Estudio para análisis de falla EAF 239/2021

"Apertura automática del interruptor 52CT2 de S/E Frutillar"

Fecha de Emisión: 14-09-2021

1. Descripción general de la interrupción

a. Fecha y Hora de la falla

Fecha	24/08/2021
Hora	19:18
Consumos desconectados (MW)	5.60
Demanda previa del sistema (MW)	10863.34
Porcentaje de desconexión	0.05%
Calificación Apagón	No aplica (porcentaje de desconexión < 10%)

b. Identificación instalación afectada

Nombre de la instalación	Barra 13.2 kV de S/E Frutillar / BA01T003SE010T003
Tipo de instalación	Barra
Tensión nominal	13.2 kV
Segmento	Transmisión zonal
Propietario instalación fallada	Sistema de Transmisión del Sur S.A. (STS S.A.)
RUT	77.683.400-9
Representante Legal	Francisco Alliende
Dirección	Manuel Bulnes 441, Osorno.

c. Identificación del elemento fallado

Nombre del elemento fallado	Barra 13.2 kV de S/E Frutillar / BA01T003SE010T003
Propietario elemento fallado	Sistema de Transmisión del Sur S.A. (STS S.A.)
RUT	77.683.400-9
Representante Legal	Francisco Alliende
Dirección	Manuel Bulnes 441, Osorno.

d.1 Origen y causa de la falla

Se produjo la apertura automática del interruptor 52CT2 de S/E Frutillar, correspondiente a la barra 13.2 kV de dicha subestación, por medio de la operación de la protección temporizada de sobrecorriente de fases.

La empresa STS S.A. declara que la operación de la protección temporizada de sobrecorriente de fases se produjo a causa de sobrecarga.

d.2 Fenómeno Físico:

DIS2: Sobrecarga.

d.3 Reiteración:

Reiteración Fenómeno Físico en la instalación afectada: No se han producido fallas en la misma instalación por el mismo fenómeno físico, durante los últimos 24 meses móviles.

Reiteración Fenómeno Físico en instalaciones del mismo propietario: Sí se han producido fallas en instalaciones del mismo propietario con el mismo fenómeno físico, durante los últimos 24 meses móviles.

Descripción	Elemento	EAF	Acciones informadas
Apertura intempestiva del interruptor 52ET3 de S/E Osorno	Barra	396-2019	La empresa STS S.A. indica que se aíslan los contactos del relé de alivio de presión (63R) de los circuitos de alarmas y del relé 86T, para el transformador N°2 66/23 kV de S/E Osorno. Además, indica que se programará mantenimiento al sistema de control del transformador N°2 66/23 kV de S/E Osorno, donde se realizará limpieza y sellado de la caja de paso y finalmente medida de resistencia de aislación en el circuito de control.

Cantidad de fallas (sin importar Fenómeno Físico) en la misma instalación: No se han producido fallas en la misma instalación afectada, durante los últimos 24 meses móviles.

d.4 Fenómeno eléctrico

PR51: Protección de sobrecorriente temporizada de fase.

e. Detalles de la instalación, equipo o elemento donde se produjo la falla

El elemento involucrado en el evento en cuestión corresponde al sistema de protecciones del paño CT2 de S/E Frutillar, que según lo informado por el propietario del equipo está conformado por un relé SEL 651RA.

La empresa STS S.A. sólo presenta, como parte de los probatorios requeridos para el fenómeno físico declarado, los ajustes de las protecciones involucradas, faltando los siguientes antecedentes:

- Demanda de los últimos 24 meses.
- Informe técnico de las posibles causas que propician la sobrecarga.
- Año de primera puesta en servicio y años efectivos en operación (transformador).

f. Ubicación urbana o rural según DS 327/1997

Subestación	Alimentador	Comuna	Densidad	Descripción
Frutillar	52C2 Frutillar Bajo	Frutillar	D2	Baja
	52C2 Frutillar Bajo	Llanquihue	D2	Baja
	52C3 Quilanto	Frutillar	D2	Baja
	52C3 Quilanto	Puerto Octay	D1	Muy baja
	52C3 Quilanto	Purranque	D2	Baja

g. Proposición del propietario respecto del origen de la falla

Interna.

h. Comuna donde se presenta la falla

10105: Frutillar.

i. Fecha de entrega de la información al Coordinador

Coordinado	Informe de 48 horas (26-08-2021)	Informe de 5 días (31-08-2021)
Sistema de Transmisión del Sur S.A. (STS S.A.)	24-08-2021	31-08-2021

2. Descripción del equipamiento afectado

a. Sistema de Generación

b. Sistema de Transmisión

Elemento Afectado	Segmento	Tramo	Hora Desc.	Hora Norm.
S/E Frutillar	ST Zonal	Barra 13.2 kV	19:18	19:30

- Los horarios señalados corresponden a lo informado por la empresa STS S.A.

c. Consumos

Sub-Estación	Alimentador / Paño	Comuna	Pérdida de Consumo (MW)	% consumo pre-falla	Clientes Afectados	H. Desc.	H. Dispon.	H. Norm.
Frutillar	Frutillar Bajo/C2	Frutillar y Llanquihue	0.11	0.001	145	19:18	19:30	19:28
Frutillar	Frutillar Bajo/C2		4.59	0.042	6107	19:18	19:30	19:32
Frutillar	Quilanto/C3	Frutillar, Puerto Octay y Purranque	0.19	0.002	220	19:18	19:30	19:25
Frutillar	Quilanto/C3		0.71	0.007	850	19:18	19:30	19:32
		Total:	**5.60 MW**	**0.052%**	**7322**			

- Los montos y horarios señalados corresponden a lo informado por la empresa STS S.A.

3. Estimación de la energía no suministrada

Sub-Estación	Alimentador / Paño	Empresa	Tipo de Cliente	Pérdida de Consumo (MW)	Tiempo Indispon. (h)	Tiempo Desc. (h)	ENS (MWh)
Frutillar	Frutillar Bajo/C2	SAESA	Regulado	0.11	0.20	0.17	0.02
Frutillar	Frutillar Bajo/C2	SAESA	Regulado	4.59	0.20	0.23	1.07
Frutillar	Quilanto/C3	SAESA	Regulado	0.19	0.20	0.12	0.02
Frutillar	Quilanto/C3	SAESA	Regulado	0.71	0.20	0.23	0.17

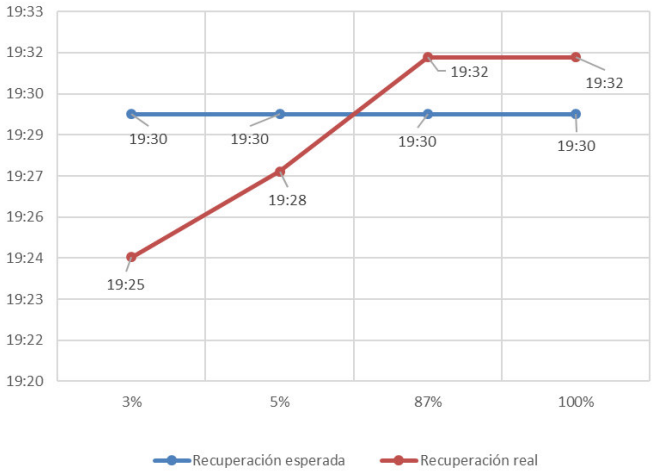
Clientes Regulados : 1.28 MWh

Clientes Libres : 0.00 MWh

Total : 1.28 MWh

- Los montos y horarios señalados corresponden a lo informado por la empresa STS S.A.

- Curva de recuperación esperada v/s recuperación real.



Según el gráfico presentado, no se aprecian diferencias significativas entre la recuperación real respecto de los horarios de disponibilidad de la barra 13.2 kV de la S/E Frutillar, con una diferencia máxima de 5 minutos antes de lo esperado para el primer bloque recuperado (correspondiente al 3% del total de los consumos).

- Velocidad promedio de recuperación.

Rango	Potencia (MW)	Tiempo recuperación (h)	Velocidad de recuperación (MW/h)
Primer 80 %	4.48	0.23	19.20
Último 20 %	1.12	0.23	4.80
100 % Total	5.60	0.23	24.00

4. Descripción de las configuraciones en los momentos previo y posterior a la falla

Demanda del sistema previo a la falla: 10863.34 MW

Regulación de Frecuencia

Control distribuido de frecuencia en el SEN previo a la falla, mediante las centrales Andina (CTA), Atacama 1 (TG1A y TG2B), Cochrane (CCH1 y CCH2), Guacolda (U3 y U4), Hornitos (CTH), Kelar (TG2), Mejillones (CTM3), Norgener (NTO2), Pehuenche (U1 y U2) y Tocopilla (U14 y U15).

Operación Programada

En Anexo Nº1 se adjunta el detalle de la generación programada para el día 24 de agosto de 2021.

Operación Real

En Anexo Nº2 se adjunta el detalle de la generación real del día 24 de agosto de 2021.

Movimiento de centrales e informe diario del CDC

En Anexo Nº3 se presenta el detalle del Movimiento de Centrales e Informe Diario del CDC para el día 24 de agosto de 2021.

Mantenimientos

En Anexo Nº4 se presenta el detalle de los mantenimientos programados y forzados para el día 24 de agosto de 2021.

Estado y configuración previo a la falla

Las instalaciones de transmisión se encontraban en servicio normal en los momentos previos a la desconexión forzada.

Otros antecedentes relevantes

Según lo informado por la empresa STS S.A.:

"Unidad de control y protección del interruptor 52CT2 de S/E Frutillar opera en su elemento sobrecorriente de fase de tiempo inverso 52P1T, debido al aumento de la carga en fase A de paño CT2.

La unidad de control y protección del interruptor 52CT2 de S/E Frutillar opera en 15.45 segundos.

El interruptor 52CT2 opera en 35 milisegundos.

Con las modificaciones ejecutadas en 52ET2, 87T2 y 52CT2, se asegura que el evento de operación del interruptor 52CT2 por sobrecarga no vuelva a ocurrir."

Acciones preventivas y/o correctivas

a) La instalación afectada no cuenta con un plan de acción u otro tipo de mantenimiento en curso.

b) Acciones correctivas a corto plazo:

- La empresa STS S.A. indica lo siguiente:

  "El día 26 de agosto de 2021, bajo la solicitud de curso forzoso N°2021074692 ingresada en plataforma Neomante, se realizan aumentos en los pick up de los elementos de sobrecorriente de fase de tiempo inverso de la unidad de control y protección 52ET2 SEL-351S, Relé protección 87-T2 SEL-787 y Unidad de control 52CT2 SEL-651RA.

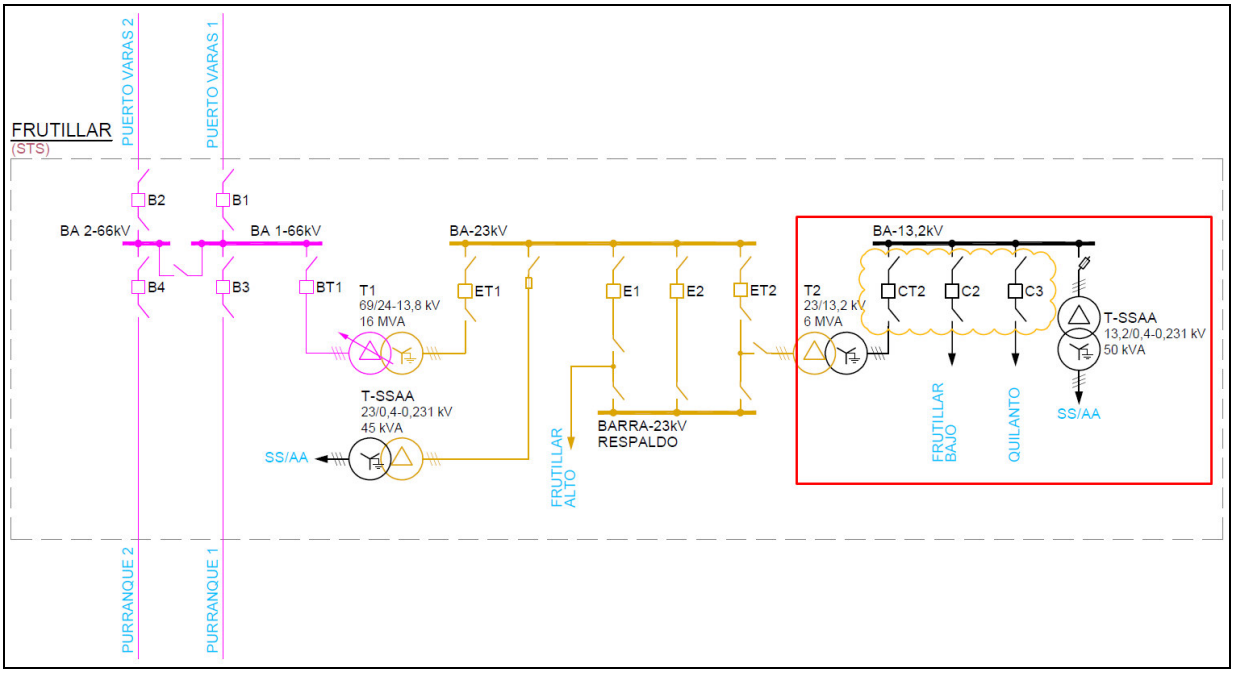
Dichas modificaciones, se adjuntan en Anexo 1 "ECAP "ESTUDIO DE MODIFICACION DE AJUSTE EN SE FRUTILLAR T2 23-13,2"."

Número	Coordinado	Tipo Programación	Tipo/Trabajo/Objetivo	Fecha Inicio	Fecha Fin
2021074692	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Curso Forzoso	**SubEstación** S/E FRUTILLAR Tipo: transformadores2d - FRUTILLAR 23/13,2KV 6 MVA 2 **Intervención** / Origen Interno / Curso Forzoso No tiene consumo afectado **Trabajos a Realizar:** Modificar ajustes de protecciones, elementos de sobrecorriente de fase de relé 51RT2 SEL-351S, 87T2 SEL-787 y 52CT2 SEL-651RA, debido a operación por sobrecarga de 52CT2 el 24 de agosto de 2021. **Desc. Nivel Riesgo:** Trabajo se requiere realizar para evitar la operación indeseada nuevamente del paño 52CT2 por sobrecarga. **Comentarios Adicionales:** Trabajos asociados al IF 2021002394.	26-08-2021 14:00 **Fecha Efectiva Inicio** 26-08-2021 13:22	26-08-2021 18:00 **Fecha Efectiva Fin** 26-08-2021 14:18

c) Acciones correctivas a largo plazo:

- La empresa STS S.A. no indica a acciones correctivas a largo plazo.

Diagrama simplificado de las instalaciones previo a la falla



5. Cronología de eventos y la descripción de las causas de los eventos

Hora	Involucrado	Evento
19:18	STS	Apertura automática del interruptor 52CT2 de S/E Frutillar, correspondiente a la barra 13.2 kV de dicha subestación, por medio de la operación de la protección temporizada de sobrecorriente de fases.

- La hora señalada corresponde a lo informado por la empresa STS S.A.

6. Normalización del servicio

Fecha	Involucrado	Hora	Acción
24-08-2021	STS	19:19	Se da aviso al CDC del Coordinador Eléctrico Nacional, distribuidora SAESA y personal de Mantenimiento de Transmisión.
24-08-2021	STS	19:20	Se revisan protecciones alarmadas.
24-08-2021	STS	19:25	Se recuperan 0.19 MW de consumos del alimentador 52C3 Quilanto de S/E Frutillar, por medio de maniobras MT desde el alimentador 52ET2 Río Negro de S/E Purranque.
24-08-2021	STS	19:26	Apertura manual de los alimentadores 52C2 Frutillar Bajo y 52C3 Quilanto de S/E Frutillar por maniobras de recuperación.
24-08-2021	STS	19:27	Se solicita autorización al CDC del Coordinador Eléctrico Nacional para realizar un intento de cierre del interruptor 52CT2 en vacío.
24-08-2021	STS	19:28	Análisis de las protecciones arroja que la apertura automática del interruptor 52CT2 en S/E Frutillar se habría producido por sobrecarga.
24-08-2021	STS	19:28	Se recuperan 0.11 MW de consumos del alimentador 52C2 Frutillar Bajo de S/E Frutillar, por medio de maniobras MT desde alimentador 52ET2 Río Negro de S/E Purranque.
24-08-2021	STS	19:30	Cierre manual con éxito del interruptor 52CT2 de S/E Frutillar. Se energiza en vacío la barra 13.2 kV de dicha subestación.
24-08-2021	STS	19:30	Cierre manual de los alimentadores 52C2 Frutillar Bajo y 52C3 Quilanto de S/E Frutillar. Se recupera la totalidad de los consumos afectados de dichos alimentadores.

- Las fecha y las horas señaladas corresponden a lo informado por las empresas STS S.A.

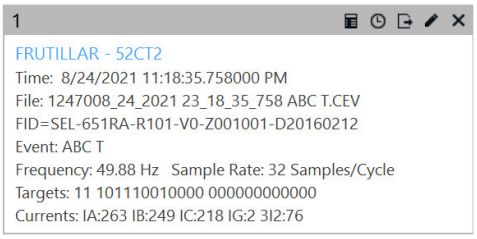
7. Análisis de las causas de la falla y de la actuación de los dispositivos de protección y control

Apertura automática del interruptor 52CT2 de S/E Frutillar, correspondiente a la barra 13.2 kV de dicha subestación, por medio de la operación de la protección temporizada de sobrecorriente de fases.

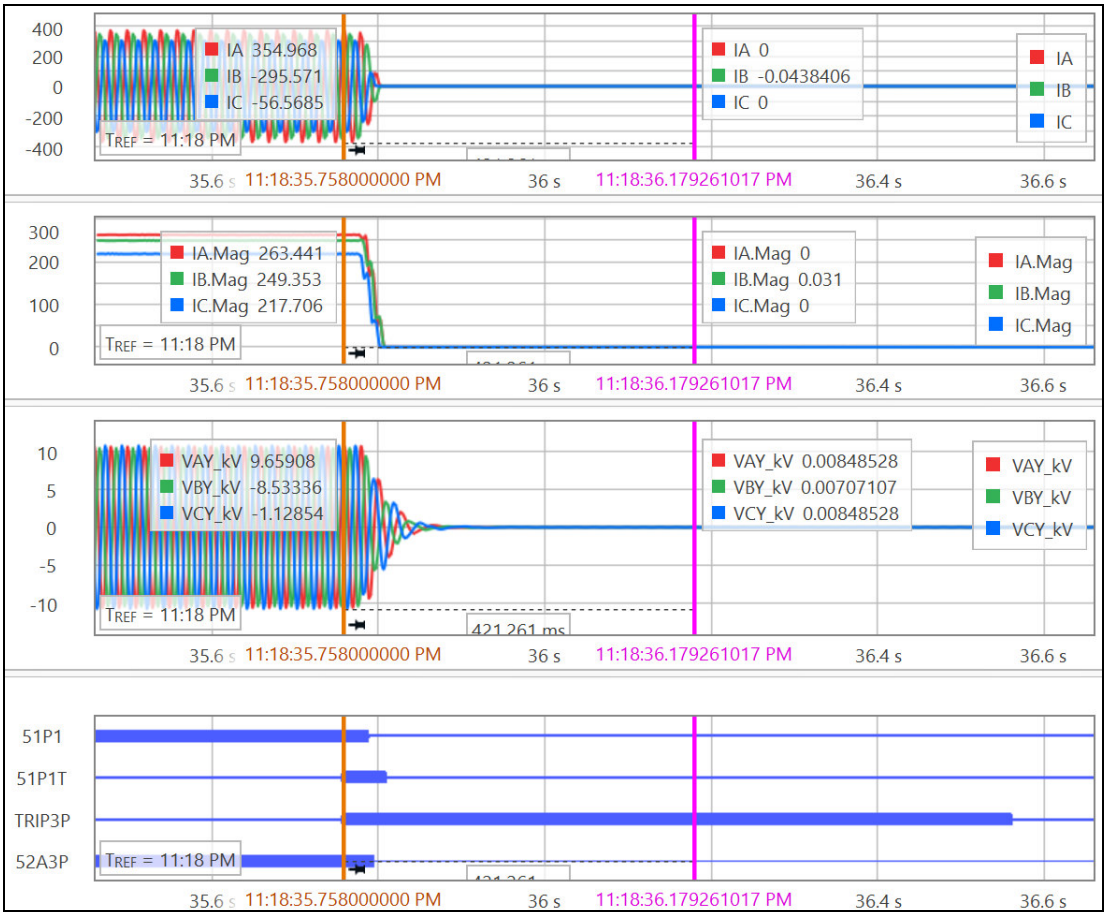
La empresa STS S.A. declara que la operación de la protección temporizada de sobrecorriente de fases se produjo a causa de sobrecarga.

A raíz del evento en cuestión resultaron afectados 5.6 MW de consumos abastecidos desde la barra 13.2 kV de S/E Frutillar.

Apertura automática del interruptor 52CT2 de S/E Frutillar, correspondiente a la barra 13.2 kV de dicha subestación. Relé SEL 651RA.



En el resumen del evento se registra una falla trifásica y corrientes de orden de magnitud similares en las tres fases.



En el registro oscilográfico presentado se aprecian corrientes y tensiones con magnitudes y formas de onda normales, situación que permite descartar la presencia de una falla. Al respecto, se aprecia que la magnitud de la corriente por la fase "C" (263 [A]) supera el umbral de la función temporizada de sobrecorriente de fases ajustada en 260 [A]. En relación con las señales digitales, se registra la activación de la función temporizada de sobrecorriente de fases (*51P1 = 1*) y su posterior operación (*51P1T = 1*).

Se presenta a continuación el registro secuencial de eventos de la protección:

52CT2 Date: 08/25/2021 Time: 00:02:46.210
FRUTILLAR Time Source: external

FID=SEL-651RA-R101-V0-Z001001-D20160212 CID=6A2B

#	Date	Time	Element	State
29	08/24/2021	23:08:20.206	51P1	Deasserted
28	08/24/2021	23:08:20.306	OUT106	Asserted
27	08/24/2021	23:08:20.306	51P1	Asserted
26	08/24/2021	23:18:35.758	TRIP3P	Asserted
25	08/24/2021	23:18:35.758	OUT105	Asserted
24	08/24/2021	23:18:35.758	51P1T	Asserted
23	08/24/2021	23:18:35.778	PINC	Deasserted
22	08/24/2021	23:18:35.788	OUT106	Deasserted
21	08/24/2021	23:18:35.788	51P1	Deasserted
20	08/24/2021	23:18:35.793	52A3P	Deasserted
19	08/24/2021	23:18:35.793	SV30	Asserted
18	08/24/2021	23:18:35.808	OUT105	Deasserted
17	08/24/2021	23:18:35.808	51P1T	Deasserted
16	08/24/2021	23:18:36.560	TRIP3P	Deasserted
15	08/24/2021	23:29:58.682	IN102	Asserted
14	08/24/2021	23:29:58.687	CLOSE3P	Asserted
13	08/24/2021	23:29:58.737	PINC	Asserted
12	08/24/2021	23:29:58.737	CLOSE3P	Deasserted
11	08/24/2021	23:29:58.742	52A3P	Asserted
10	08/24/2021	23:29:58.742	SV30	Deasserted
9	08/24/2021	23:30:03.186	IN102	Deasserted
8	08/24/2021	23:32:05.304	OUT106	Asserted
7	08/24/2021	23:32:05.304	51P1	Asserted
6	08/24/2021	23:32:05.773	OUT106	Deasserted
5	08/24/2021	23:32:05.773	51P1	Deasserted
4	08/24/2021	23:32:42.927	OUT106	Asserted
3	08/24/2021	23:32:42.927	51P1	Asserted
2	08/24/2021	23:32:42.947	OUT106	Deasserted
1	08/24/2021	23:32:42.947	51P1	Deasserted

En el registro N°27 se aprecia la activación de la función temporizada de sobrecorriente de fases (*51P1 = Asserted*) y su consecuente operación en un tiempo de 10 minutos y 15 segundos (*51P1T = Asserted,* registro N°24). El tiempo de apertura del interruptor fue de 35 ms (*52A3P = Deasserted*, registro N°20).

Posteriormente, a las 19:30 horas (horario corregido) se registra el cierre manual del interruptor 52CT2 de S/E Frutillar (52A3P = Asserted, registro N°11).

Se observa un desfase de 4 horas en la estampa de tiempo de la protección con respecto al horario real del evento (horario UTC – 0).

8. Detalle de toda la información utilizada en la evaluación de la falla

- Detalle de la generación programada para el día 24 de agosto de 2021 (Anexo N°1).
- Detalle de la generación real del día 24 de agosto de 2021 (Anexo N°2).
- Detalle del Movimiento de Centrales e Informe Diario del CDC correspondientes al día 24 de agosto de 2021 (Anexo N°3).
- Detalle de los mantenimientos programados y forzados para el día 24 de agosto de 2021 (Anexo N°4).
- Informes de fallas de instalaciones ingresados en el sistema del Coordinador Eléctrico Nacional por la empresa Sistema de Transmisión del Sur S.A. (Anexo N°5).
- Otros antecedentes aportados por la empresa Sistema de Transmisión del Sur S.A. (Anexo N°6).

9. Análisis de las actuaciones de protecciones

9.1 Incumplimiento Normativo

Los incumplimientos normativos detectados en el desarrollo de la falla, por parte de los involucrados son:

STS S.A.

- Completitud de la información entregada al Coordinador, de acuerdo con lo indicado en las Resoluciones Exentas de la SEC N°30891-2019 y N°30989-2019.

9.2 Estándares Normativos Art. 1-14 NTSyCS

Los incumplimientos del propietario del elemento afectado, reportados en la versión vigente del "Informe Anual de Cumplimientos, Artículo 1-14 Norma Técnica de Seguridad y Calidad de Servicio", no incidieron en el origen y causa de la falla, ni en el desarrollo de las maniobras que permitieron la normalización de servicio.

9.3 Desempeño de Protecciones Eléctricas y Modo de operación de interruptores

Según los antecedentes proporcionados por la empresa STS S.A. y el respectivo análisis realizado por el Coordinador:

- Se concluye incorrecta operación del sistema de protecciones (relé SEL 651RA) asociado al paño CT2 de S/E Frutillar, correspondiente a la barra 13.2 kV de dicha subestación, por medio de su protección temporizada de sobrecorriente de fases, ante una condición de aumento de la carga abastecida sin presencia de falla o equipamiento sometido a sobrecarga.

  Se concluye un correcto modo de operación del interruptor 52CT2 de S/E Frutillar.

9.4 Desempeño EDAC

No aplica pronunciarse sobre el desempeño de EDAC ante este evento.

9.5 Desempeño EDAG

No aplica pronunciarse sobre el desempeño de EDAG ante este evento.

10. Pronunciamiento Técnico del Coordinador Eléctrico Nacional

De acuerdo con el análisis realizado por el Coordinador:

a) Se registró una condición de sobrecarga en el paño CT2 de S/E Frutillar, donde la magnitud de la corriente de la fase "C" de 263 A sobrepasó el umbral de la protección temporizada de sobrecorriente de fases, ajustada en 260 A. Si bien, la función de protección indicada opera según sus ajustes, se considera incorrecta al no tratarse de una falla o sobrecarga efectiva de algún elemento serie del sistema de transmisión, debiendo las protecciones estar ajustadas para evitar su operación ante corrientes de carga.

   En relación con el modo de operación del interruptor 52CT2 de S/E Frutillar, este se considera correcto en base a su tiempo de apertura registrado (35 ms).

b) No se evidenciaron reiteraciones del fenómeno físico que afecten la barra 13.2 kV de S/E Frutillar durante los últimos 24 meses.

c) Si se evidenciaron incumplimientos normativos en el desarrollo del evento que provocó la desconexión forzada de la barra 13.2 kV de S/E Frutillar, al producirse la operación de protecciones sin la presencia de una falla.

d) No se evidenciaron incumplimientos asociados al elemento afectado por la falla, reportados en la versión vigente del "Informe Anual de Cumplimientos, Artículo 1-14 Norma Técnica de Seguridad y Calidad de Servicio".

e) Para el desarrollo del evento no hay observaciones respecto de la aplicación de los Planes de Recuperación de servicio asociados a las instalaciones involucradas, ni de las actuaciones del CDC y los respectivos CC durante la falla del día 24 de agosto de 2021.

11. Recomendación respecto de las instalaciones a las cuales el Coordinador Eléctrico Nacional debería solicitar una auditoría

a) Auditorías, planes de acción, instrucciones de acciones correctivas de largo y/o corto plazo.

   No se solicitan, dado que se implementaron acciones correctivas inmediatas.

b) Solicitudes de ampliación de información

   Se solicitará a la empresa STS S.A.:

   - Antecedentes probatorios requeridos para el Fenómeno Físico declarado (DIS2: Sobrecarga), según Resolución Exenta SEC N°30989-2019, en particular, demanda de los últimos 24 meses, informe técnico de las posibles causas que propician la sobrecarga y año de la primera puesta en servicio y años efectivos en operación (transformador).

ANEXO Nº1

Detalle de la generación programada para el día 24 de agosto de 2021

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	8,799
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	125
Costos Totales [kUSD]	470	456	444	417	387	389	380	368	313	284	338	283	302	315	318	323	346	385	408	407	389	399	386	416	8,924
Costo Marginal Quillota 220 kV	151.4	151.3	150.2	130.5	116.7	116.2	116.2	113.4	63.3	50.4	50.2	52.7	61.2	113.8	114.2	114.8	114.8	117.4	117.5	117.0	118.9	118.3	118.5	119.3	108.67
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	7,000
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	11,475
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	218,278
Generación Total [MWh]	10485	10392	10226	9930	9394	9109	8941	8867	8968	9124	9354	9698	9990	10172	10310	10303	10252	10123	10049	10107	10149	10170	10290	10351	236,754

Hidroeléctricas de Pasada	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	547	528	490	471	464	455	471	492	485	483	517	541	545	591	602	602	605	630	806	811	834	846	845	797	14,460
CHAPIQUINA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	120
COSAPILLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
ELTORON2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22
CAVANCHA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	41
ALTOHOSPICIO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22
SANTAROSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
RIOHUASCO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22
PUCLARO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26
LOSMOLLES	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	36
LAPALOMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
ELTARTARO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CH-HORNITOS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	120
JUNCAL	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	96
JUNCALITO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPANIA-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
BLANCO	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	103
LOSQUILOS	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10	207
CHACABUQUITO	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	124
SAUCEANDES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
CARENA	2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	55
ALFALFAL	34	34	33	33	34	35	35	35	34	34	34	31	30	30	30	30	32	37	35	35	34	34	34	35	799
MAITENES	6	6	6	6	6	6	5	6	5	6	6	5	6	5	5	5	5	5	5	5	6	6	6	6	134
QUELTEHUES	19	19	19	18	19	19	19	20	19	19	20	20	20	18	19	19	19	19	23	21	21	21	20	21	471
VOLCAN	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	144
GUAYACAN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	106
FLORIDA-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA-2	4	4	4	4	5	5	3	3	2	2	2	1	1	2	2	2	2	4	2	2	2	1	1	2	62
FLORIDA-3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50
PUNTILLA	6	7	7	8	8	8	7	7	6	6	7	7	6	6	5	5	6	6	6	5	6	6	6	6	149
EYZAGUIRRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
LASVERTIENTES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLLANO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELRINCON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
MALLARAUCO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	77
LOSBAJOS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	41
AUXDELMAIPO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	36
LOSMORROS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
COYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAUZAL	23	23	18	18	18	18	18	18	18	15	15	15	15	15	15	15	15	15	27	27	27	27	27	27	469
SAUZALITO	4	4	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	71
CHACAYES	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	22	22	22	22	22	22	22	500
SANANDRES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	31	31	0	81
CONVENTOVIEJO	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	240
LAHIGUERA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85	85	85	85	85	510
LACONFLUENCIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	74	76	77	76	75	451
ELPASO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOSVALLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PALACIOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
LIRCAY	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	240
MARIPOSAS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	72
PROVIDENCIA	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	216

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**

RIOCOLORADO	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	**228**
ROBLERIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
ANCOA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**17**
ITATA	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	**480**
ELDIUTO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**41**
MUNILQUE-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MUNILQUE-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
ELATAJO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
BIFURCADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CALIBORO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**17**
RENAICO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**67**
ALTORENAICO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**19**
RIOPICOIQUEN	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	**480**
BOQUIAMARGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ELMIRADOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**14**
PEUCHEN	40	24	0	0	0	0	0	0	0	0	23	40	40	81	81	81	81	86	86	86	86	86	86	86	**1091**
MAMPIL	36	34	28	20	9	0	11	20	17	9	14	25	29	36	47	47	47	47	51	51	51	51	51	51	**782**
LOSPADRES	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**48**
LLAUQUEREO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**41**
ELCANELO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**67**
DONGUIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
ALLIPEN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**50**
RIOTRUENO	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	**118**
ELMANZANO	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	**86**
TRUFUL-TRUFUL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**14**
MOLINERAVILLARRICA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**7**
TRAILELFU	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**55**
CARILAFQUEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	**96**
MALALCAHUELLO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**72**
QUILLAILEO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
BUREO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**26**
LAVINA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MULCHEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**7**
ELAGRIO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
SANTAELENA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PULLINQUE	11	11	11	11	11	11	11	21	21	21	21	21	21	21	21	21	21	31	31	31	31	31	31	11	**481**
RECA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**38**
SANTAISABEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
HIDROMOCHO	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	**247**
LOSCORRALES-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
LOSCORRALES-2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**17**
RININAHUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MSA-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
MAISAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**7**
LAMONTANA-1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**62**
LAMONTANA-2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**41**
PURISIMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
ELGALPON	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**24**
CUMPEO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**65**
DONWALTERIO	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**72**
DIGUA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MELO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	**36**
LICAN	6	5	5	5	5	5	5	5	5	14	16	16	16	16	16	16	16	16	16	16	16	16	16	14	**282**
DONAHILDA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	8,799
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	125
Costos Totales [kUSD]	470	456	444	417	387	389	380	368	313	284	338	283	302	315	318	323	346	385	408	407	389	399	386	416	8,924
Costo Marginal Quillota 220 kV	151.4	151.3	150.2	130.5	116.7	116.2	116.2	113.4	63.3	50.4	50.2	52.7	61.2	113.8	114.2	114.8	114.8	117.4	117.5	117.0	118.9	118.3	118.5	119.3	108.67
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	7,000
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	11,475
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	218,278
Generación Total [MWh]	10485	10392	10226	9930	9394	9109	8941	8867	8968	9124	9354	9698	9990	10172	10310	10303	10252	10123	10049	10107	10149	10170	10290	10351	236,754

MARIAELENA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
CHANLEUFU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANQUIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEHUI	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22
PICHILONCO	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29
PILMAIQUEN	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720
RUCATAYO	30	30	30	20	20	20	28	28	30	30	33	33	33	33	33	33	33	33	33	39	39	39	39	43	762
CUMBRES	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	144
PULELFU	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	216
CAPULLO	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	288
MUCHI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LASFLORES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	34
PALMAR	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	84
CORRENTOSO	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	132
NALCAS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	122
CALLAO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50
HIDROBONITO-MC1	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	158
HIDROBONITO-MC2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	74
ENSENADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAARENA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELCOLORADO	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	43
COLLIL	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	139
DONGO	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	110

Eólicas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	612	606	659	755	715	692	708	722	666	551	581	663	751	849	920	956	983	982	952	888	786	707	664	662	18,029
PE-TCHAMMA	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	2	2	2	4	4	0	0	2	6	25
PE-SIERRAGORDA	25	30	30	31	31	33	34	29	18	25	55	82	95	101	105	108	108	99	71	43	31	23	23	23	1253
PE-VALLEDELOSVIENTOS	6	7	7	8	8	9	8	7	5	5	12	35	59	70	72	73	76	70	57	49	42	29	20	14	747
PE-CALAMA	28	41	61	132	81	43	48	68	77	14	6	0	1	24	46	49	53	72	86	65	12	0	0	3	1008
PE-TALTAL	96	94	95	98	98	98	98	98	97	97	96	96	95	94	92	81	67	53	44	47	56	66	75	78	2009
PE-SARCO	16	9	5	4	3	2	4	7	4	3	4	8	17	30	42	51	62	68	71	73	72	67	64	66	750
PE-CABOLEONES-1	11	7	4	3	3	2	3	4	4	4	5	8	13	20	27	32	38	42	43	43	41	38	35	32	463
PE-CABOLEONES-2	9	7	5	4	4	3	4	6	4	5	8	15	24	36	50	64	76	75	70	63	54	46	36	31	697
PE-CABOLEONES-3	18	15	12	7	5	5	5	5	5	4	4	5	8	11	17	24	27	32	38	41	38	35	35	36	431
PE-SANJUAN	17	12	8	6	4	3	4	4	3	3	5	11	20	32	50	64	73	78	80	80	74	66	62	56	815
PE-PUNTACOLORADA	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	2	2	1	0	0	0	25
PE-ELARRAYAN	1	2	3	4	3	3	3	3	3	3	4	5	9	13	15	16	16	15	16	17	19	20	22	24	238
PE-TALINAYPONIENTE	1	2	3	4	4	4	4	4	4	3	3	4	6	10	12	15	19	21	21	21	21	19	18	19	241
PE-TALINAYORIENTE	2	2	4	5	4	3	3	2	2	2	3	5	11	21	32	38	41	41	38	35	31	23	15	13	377
PE-PUNTASIERRA	2	2	4	7	8	7	6	6	5	5	6	8	12	17	19	20	22	23	26	28	27	26	23	22	330
PE-LOSCURUROS	1	1	3	3	3	3	2	2	2	3	5	10	18	28	34	36	36	33	29	25	20	17	14	12	339
PE-MONTEREDONDO	1	1	1	2	2	2	2	1	1	1	1	2	3	4	4	5	5	5	6	7	8	7	6	6	82
PE-PUNTAPALMERAS	0	1	1	2	2	2	1	1	1	1	1	2	3	4	5	4	5	5	7	8	8	7	7	7	82
PE-CANELA	0	0	0	1	1	1	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	1	2	24
PE-CANELA-2	1	1	1	1	2	1	1	1	1	2	3	5	7	8	9	8	8	8	10	11	9	8	7	7	121
PE-TOTORAL	0	1	1	2	3	2	2	2	1	1	1	2	3	4	4	3	3	3	4	5	4	3	3	4	60
PE-UCUQUER-2	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	2	2	3	3	3	2	2	2	33
PE-UCUQUER	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	2	2	2	1	1	23
PE-LAESTRELLA	11	13	14	15	16	18	19	19	18	14	11	10	7	5	4	6	7	10	14	18	21	23	25	26	341
PE-LASPENAS	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	43
PE-ELMAITEN	6	6	7	7	7	7	7	7	6	6	5	4	3	3	2	1	1	1	1	1	1	1	1	1	90
PE-NEGRETE	16	16	17	18	18	19	19	19	16	12	11	10	9	8	6	5	4	4	5	5	3	2	2	2	245
PE-ALENA	29	30	32	33	29	31	29	30	29	24	27	29	22	24	17	15	12	9	14	13	13	4	0	0	496

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**

PE-CUEL	13	14	15	15	17	17	17	16	14	12	11	9	9	7	6	4	3	3	3	3	2	2	2	3	**217**
PE-LOSOLMOS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	10	5	5	**80**
PE-RENAICO	41	45	46	48	51	54	54	49	41	34	31	29	26	21	16	12	9	7	6	4	3	5	9	13	**652**
PE-MALLECONORTE	30	31	34	36	35	35	36	35	28	18	16	18	18	17	16	14	12	10	9	9	8	6	6	7	**483**
PE-MALLECOSUR	40	41	45	47	46	46	47	45	36	24	20	23	23	22	20	19	16	13	12	11	10	8	8	9	**631**
PE-SANGABRIEL	75	69	77	83	88	89	92	92	80	67	62	57	51	43	33	28	27	30	29	25	17	10	8	9	**1240**
PE-LAFLOR	15	16	16	17	18	17	18	19	16	14	13	11	9	8	6	5	4	3	2	3	2	1	0	0	**232**
PE-TOLPANSUR	51	40	55	56	58	58	58	54	47	40	38	35	30	25	19	15	12	10	8	6	5	5	7	10	**743**
PE-ELNOGAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	2	1	0	0	0	0	0	**8**
PE-LOSBUENOSAIRES	13	13	14	14	15	15	15	15	14	12	11	10	9	8	6	5	3	2	2	3	2	2	2	3	**209**
PE-LAESPERANZA	4	4	5	5	5	6	5	5	4	3	3	2	2	1	1	0	0	0	0	0	0	0	0	1	**57**
PE-LEBU-3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**29**
PE-LEBU	3	3	3	3	4	4	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	**51**
PE-HUAJACHE	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	**33**
PE-RAKI	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	**49**
PE-ELARREBOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	3	**7**
PE-AURORA	9	6	4	3	3	4	8	15	24	31	38	47	56	61	65	69	71	72	70	70	71	69	66	62	**994**
PE-SANPEDRO	2	3	3	4	6	8	10	11	14	16	18	19	18	18	17	16	16	15	15	14	15	15	15	15	**303**
PE-SANPEDRO-2	7	8	11	13	17	21	23	23	26	30	33	36	38	38	36	34	34	32	31	30	31	32	32	33	**652**

Solares	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	**0**	**0**	**0**	**0**	**0**	**0**	**76**	**562**	**1797**	**2559**	**2807**	**2870**	**2858**	**2817**	**2727**	**2551**	**2014**	**856**	**57**	**0**	**0**	**0**	**0**	**0**	**24,550**
PFV-ELAGUILA	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-PAMPACAMARONES	0	0	0	0	0	0	0	1	3	4	4	4	5	5	5	5	4	3	0	0	0	0	0	0	**42**
PFV-POZOALMONTE-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-POZOALMONTE-2	0	0	0	0	0	0	0	1	4	7	7	7	7	7	7	7	6	3	0	0	0	0	0	0	**64**
PFV-POZOALMONTE-3	0	0	0	0	0	0	1	6	11	12	13	13	13	13	13	12	10	6	1	0	0	0	0	0	**122**
PFV-TAMARUGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LOSPUQUIOS	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	1	1	0	0	0	0	0	0	**19**
PFV-PICA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LAHUAYCA-2	0	0	0	0	0	0	1	5	10	15	19	21	21	20	18	14	9	4	1	0	0	0	0	0	**159**
PFV-SANTAISABEL	0	0	0	0	0	0	0	5	98	124	126	125	124	122	120	118	115	51	9	0	0	0	0	0	**1137**
PFV-HUATACONDO	0	0	0	0	0	0	5	25	55	70	73	73	73	73	74	70	50	19	3	0	0	0	0	0	**663**
PFV-BELLAVISTA-1	0	0	0	0	0	0	0	2	8	9	8	8	8	8	8	8	8	5	0	0	0	0	0	0	**81**
PFV-ATACAMASOLAR-2	0	0	0	0	0	0	0	15	52	86	110	121	122	120	112	96	67	28	3	0	0	0	0	0	**932**
PFV-NUEVOQUILLAGUA	0	0	0	0	0	0	0	4	64	83	85	84	84	83	82	80	77	50	3	0	0	0	0	0	**779**
PFV-GRANJA	0	0	0	0	0	0	0	27	84	93	94	93	92	92	91	89	82	51	2	0	0	0	0	0	**889**
PFV-USYA	0	0	0	0	0	0	0	5	22	37	46	52	52	51	47	41	28	10	0	0	0	0	0	0	**390**
PFV-CALAMA-1	0	0	0	0	0	0	0	2	8	8	8	8	8	8	8	9	8	5	0	0	0	0	0	0	**82**
PFV-SANPEDRO-GPG	0	0	0	0	0	0	0	18	56	78	82	83	82	80	77	76	64	31	4	0	0	0	0	0	**732**
PFV-VICTORIA	0	0	0	0	0	0	0	2	8	9	8	8	8	8	8	8	8	3	0	0	0	0	0	0	**78**
PFV-JAMA-1	0	0	0	0	0	0	4	18	30	30	30	30	30	30	30	30	30	15	3	0	0	0	0	0	**311**
PFV-JAMA-2	0	0	0	0	0	0	0	7	19	19	18	18	14	14	10	10	10	8	0	0	0	0	0	0	**147**
PFV-SOLDELDESIERTO	0	0	0	0	0	0	3	12	14	14	15	17	19	21	21	20	7	0	0	0	0	0	0	0	**162**
PFV-MARIAELENA	0	0	0	0	0	0	3	18	39	50	51	51	51	51	51	49	38	15	0	0	0	0	0	0	**469**
PFV-FINISTERRAE	0	0	0	0	0	0	6	31	65	84	90	93	94	95	95	90	68	28	4	0	0	0	0	0	**842**
PFV-AZABACHE	0	0	0	0	0	0	0	1	2	3	3	4	4	4	4	4	3	2	0	0	0	0	0	0	**32**
PFV-PAINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-PUERTOSECO	0	0	0	0	0	0	0	1	6	8	9	9	9	9	9	9	8	3	0	0	0	0	0	0	**79**
PFV-CERRODOMINADOR	0	0	0	0	0	0	6	34	73	84	85	86	87	87	88	86	65	24	1	0	0	0	0	0	**806**
PFV-BOLERO-1	0	0	0	0	0	0	7	41	87	101	100	99	98	99	100	98	76	31	2	0	0	0	0	0	**939**
PFV-URIBESOLAR	0	0	0	0	0	0	2	11	27	37	39	40	40	38	37	36	28	13	2	0	0	0	0	0	**350**
PFV-DOMEYKO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-ANDES	0	0	0	0	0	0	2	8	15	18	18	18	18	18	18	17	13	5	0	0	0	0	0	0	**164**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
PFV-ANDES2A	0	0	0	0	0	0	0	13	44	62	62	61	61	61	62	63	54	22	1	0	0	0	0	0	**566**
PFV-SOLDELILA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LALACKAMA	0	0	0	0	0	0	3	15	32	39	36	35	35	35	34	31	25	11	1	0	0	0	0	0	**330**
PFV-LALACKAMA-2	0	0	0	0	0	0	0	3	7	9	9	9	9	9	9	9	6	2	0	0	0	0	0	0	**84**
PFV-PAMPASOLARNORTE	0	0	0	0	0	0	2	12	32	45	46	43	40	39	41	41	34	15	2	0	0	0	0	0	**391**
PFV-CONEJO	0	0	0	0	0	0	3	17	40	55	54	53	55	56	60	60	44	15	1	0	0	0	0	0	**514**
PFV-ALMEYDA	0	0	0	0	0	0	0	4	26	36	37	37	38	38	39	38	37	17	0	0	0	0	0	0	**348**
PFV-MALGARIDA	0	0	0	0	0	0	0	19	107	145	149	146	142	138	134	126	109	52	1	0	0	0	0	0	**1268**
PFV-JAVIERA	0	0	0	0	0	0	1	6	13	22	30	33	35	36	40	39	33	16	1	0	0	0	0	0	**305**
PFV-COVADONGA	0	0	0	0	0	0	0	1	5	8	8	8	8	8	9	9	8	3	0	0	0	0	0	0	**76**
PFV-CHANARES	0	0	0	0	0	0	1	5	11	16	17	18	19	20	20	18	12	4	0	0	0	0	0	0	**162**
PFV-SALVADOR	0	0	0	0	0	0	3	14	23	24	24	21	21	26	30	29	24	12	1	0	0	0	0	0	**250**
PFV-PILARLOSAMARILLOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-DIEGODEALMAGRO	0	0	0	0	0	0	0	2	7	12	16	19	21	20	17	13	8	3	0	0	0	0	0	0	**138**
PFV-DAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-CAMPOSDELSOL	0	0	0	0	0	0	0	1	6	11	15	17	19	18	16	13	8	3	0	0	0	0	0	0	**126**
PFV-CARRERAPINTO	0	0	0	0	0	0	2	9	23	38	44	44	43	40	40	39	26	10	2	0	0	0	0	0	**360**
PFV-LUZDELNORTE	0	0	0	0	0	0	7	30	54	66	66	66	64	59	62	65	49	19	1	0	0	0	0	0	**609**
PFV-LLANODELLAMPOS	0	0	0	0	0	0	3	16	34	40	41	41	41	43	45	44	34	14	0	0	0	0	0	0	**397**
PFV-SANANDRES	0	0	0	0	0	0	1	5	13	21	25	27	27	26	25	22	14	4	0	0	0	0	0	0	**210**
PFV-RIOESCONDIDO	0	0	0	0	0	0	0	15	80	128	129	128	127	127	129	131	120	52	1	0	0	0	0	0	**1165**
PFV-ANTAY	0	0	0	0	0	0	0	0	4	7	9	9	9	9	9	8	6	2	0	0	0	0	0	0	**70**
PFV-PILOTOCARDONES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
PFV-PEPASOLAR1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-ESPERANZA	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	**13**
PFV-GUADALAO	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	0	0	0	0	0	0	0	**12**
PFV-LAESTANCIA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**17**
PFV-LASCHACRAS	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**16**
PFV-LASTERRAZAS	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	**13**
PFV-LOSLOROS	0	0	0	0	0	0	1	5	10	14	17	18	17	17	15	12	7	3	0	0	0	0	0	0	**137**
PFV-HORNITOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
PFV-VALLESOLARESTE	0	0	0	0	0	0	0	1	5	7	7	7	7	7	7	8	7	3	0	0	0	0	0	0	**66**
PFV-VALLESOLAROESTE	0	0	0	0	0	0	0	1	6	8	8	8	8	7	8	8	7	2	0	0	0	0	0	0	**69**
PFV-MALAQUITA	0	0	0	0	0	0	0	0	4	6	6	6	6	6	6	6	6	3	0	0	0	0	0	0	**58**
PFV-CACHIYUYO	0	0	0	0	0	0	0	1	6	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	**47**
PFV-SANTACECILIA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-ELROMERO	0	0	0	0	0	0	4	23	58	97	124	137	134	120	97	68	39	15	1	0	0	0	0	0	**917**
PFV-ELPELICANO	0	0	0	0	0	0	2	12	28	39	42	45	46	45	44	40	28	11	1	0	0	0	0	0	**380**
PFV-LAHUELLA	0	0	0	0	0	0	0	7	28	43	44	42	43	42	37	33	26	11	1	0	0	0	0	0	**357**
PFV-LASILLA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	**4**
PFV-PUNTABAJASOLAR	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**14**
PFV-SOLDELNORTE	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-LUNADELNORTE	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-TAMBOREAL	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-LAGUNILLA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**7**
PFV-AMPARODELSOL	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	0	0	0	0	0	0	0	**12**
PFV-SDGx01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
PFV-LACHAPEANA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**7**
PFV-ALTURASDEOVALLE	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	**15**
PFV-OVALLENORTE	0	0	0	0	0	0	0	0	3	7	8	7	7	8	8	8	6	2	0	0	0	0	0	0	**64**
PFV-LACHIMBABIS	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**9**
PFV-PAMA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-TALHUEN	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	0	0	0	0	0	0	**12**
PFV-SANTACLARA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**20**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
PFV-PRETTYFIELD	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**20**
PFV-LASMOLLACAS	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**7**
PFV-LASMAJADAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-ELDIVISADERO	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**9**
PFV-ELSALITRAL	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	1	0	0	0	0	0	0	**26**
PFV-LOMASCOLORADAS	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	**6**
PFV-PAMA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	**11**
PFV-BELLAVISTA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**9**
PFV-CANESA1	0	0	0	0	0	0	0	0	1	2	3	3	2	3	3	3	2	1	0	0	0	0	0	0	**21**
PFV-SANTALAURA	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	**11**
PFV-MONTTSOLAR	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	**16**
PFV-CHUCHINI	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**7**
PFV-COCINILLAS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**20**
PFV-CANELILLO	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-ILLAPEL-5	0	0	0	0	0	0	0	0	1	2	2	2	2	2	3	3	2	1	0	0	0	0	0	0	**21**
PFV-CHALINGA	0	0	0	0	0	0	0	0	1	2	2	2	1	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-ALICAHUE	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	0	0	0	0	0	0	0	**13**
PFV-CUZCUZ	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**7**
PFV-NORTECHICO-1	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	**13**
PFV-JAURURO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	2	1	0	0	0	0	0	0	0	**13**
PFV-LALIGUA	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-PULLALLI	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	2	1	0	0	0	0	0	0	0	**13**
PFV-ARIZTIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-SANTAJULIA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	**15**
PFV-CABILSOL	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	**15**
PFV-LOSPALTOS	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	2	1	0	0	0	0	0	0	0	**13**
PFV-ELQUEMADO	0	0	0	0	0	0	0	0	1	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	**11**
PFV-DONACARMEN	0	0	0	0	0	0	0	1	4	11	15	17	18	18	15	13	9	4	1	0	0	0	0	0	**125**
PFV-SANTUARIO	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	**13**
PFV-CALLELARGA	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-CASUTO	0	0	0	0	0	0	0	0	0	0	2	1	2	2	2	1	1	0	0	0	0	0	0	0	**11**
PFV-SANFRANCISCO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	**13**
PFV-FILOMENA	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-NILHUE	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	**4**
PFV-HORMIGA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	**8**
PFV-JAHUEL	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	2	1	0	0	0	0	0	0	0	**18**
PFV-MARIN	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0	0	0	0	0	0	0	**11**
PFV-ENCONSOLAR	0	0	0	0	0	0	0	0	1	2	2	3	5	5	4	4	2	1	0	0	0	0	0	0	**28**
PFV-SANTAINES	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	0	0	0	0	0	0	0	**12**
PFV-LOSPERALES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	**3**
PFV-KAUFMAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-VALLEDELALUNA-2	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	**13**
PFV-CRUZSOLAR1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0	**13**
PFV-LIPANGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	**2**
PFV-PITRA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-SOLDESEPTIEMBRE	0	0	0	0	0	0	0	0	1	2	5	7	8	8	8	6	4	1	0	0	0	0	0	0	**50**
PFV-TREBALSOLAR	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0	0	0	0	0	0	**9**
PFV-ELQUELTEHUE	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	2	2	1	0	0	0	0	0	0	**22**
PFV-TRINIDAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-ELBOCO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**16**
PFV-GRANADA	0	0	0	0	0	0	0	0	2	6	6	6	6	6	7	6	6	2	0	0	0	0	0	0	**52**
PFV-OLIVILLO	0	0	0	0	0	0	0	0	1	2	6	6	6	7	7	6	5	1	0	0	0	0	0	0	**46**
PFV-LINGUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-PANQUEHUE-2	0	0	0	0	0	0	0	0	2	3	3	4	4	3	2	2	1	0	0	0	0	0	0	0	**24**

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COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
PFV-OVEJERIA	0	0	0	0	0	0	0	0	3	5	5	5	5	4	4	4	3	1	0	0	0	0	0	0	**39**
PFV-ELLITREII	0	0	0	0	0	0	0	0	1	1	3	6	7	7	7	6	4	1	0	0	0	0	0	0	**41**
PFV-PICURIO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**19**
PFV-TILTIL	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0	0	**12**
PFV-LOMALOSCOLORADOS	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	**5**
PFV-LUNA	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0	**12**
PFV-ELQUEULE	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	**4**
PFV-LOMIRANDA	0	0	0	0	0	0	0	0	0	1	4	5	4	4	5	5	4	1	0	0	0	0	0	0	**33**
PFV-OCOA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-LLAYLLAY	0	0	0	0	0	0	0	0	0	1	2	7	6	6	7	7	6	3	1	0	0	0	0	0	**46**
PFV-LOSTILOS	0	0	0	0	0	0	0	0	1	3	3	2	2	3	2	2	1	0	0	0	0	0	0	0	**19**
PFV-SANTIAGOSOLAR	0	0	0	0	0	0	1	8	25	46	61	64	59	49	36	22	11	4	0	0	0	0	0	0	**387**
PFV-CURACAVI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LOSGIRASOLES	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**14**
PFV-ELPIQUERO	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**18**
PFV-CAIMI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-CATEMU	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-TUCUQUERE	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**13**
PFV-RODEO	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	1	1	0	0	0	0	0	0	0	**11**
PFV-PLACILLA	0	0	0	0	0	0	0	0	0	1	3	1	2	4	3	0	0	0	0	0	0	0	0	0	**13**
PFV-UTFSM-VINA-DEL-MAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
PFV-UTFSM-VALPARAISO-VALDES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-PEDREROS	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**13**
PFV-DONEUGENIO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	**16**
PFV-LOSLAGOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LASCABRAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LAQUINTA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	**16**
PFV-LUDERS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**16**
PFV-ESPERANZA-2	0	0	0	0	0	0	0	0	3	6	6	6	6	6	6	6	5	2	0	0	0	0	0	0	**51**
PFV-CHANCON	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	**13**
PFV-ESTERO	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-PERALILLO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**19**
PFV-MOSTAZAL	0	0	0	0	0	0	0	0	3	6	6	6	6	5	6	6	5	2	0	0	0	0	0	0	**50**
PFV-SANTA_CAROLINA	0	0	0	0	0	0	0	0	1	2	2	1	2	1	2	2	1	0	0	0	0	0	0	0	**15**
PFV-EL_ROMERAL	0	0	0	0	0	0	0	0	2	6	7	7	7	7	7	7	3	1	0	0	0	0	0	0	**53**
PFV-MEMBRILLO	0	0	0	0	0	0	0	0	1	2	2	2	1	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-CHIMBARONGO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**16**
PFV-DONMARIANO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**16**
PFV-LOSLIBERTADORES	0	0	0	0	0	0	0	0	1	3	4	5	5	5	4	3	2	1	0	0	0	0	0	0	**33**
PFV-ARGOMEDO	0	0	0	0	0	0	0	0	1	3	4	4	3	4	4	4	3	1	0	0	0	0	0	0	**31**
PFV-CATANSOLAR	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**9**
PFV-RAULI	0	0	0	0	0	0	0	0	1	4	6	6	8	7	7	8	5	3	0	0	0	0	0	0	**54**
PFV-VILLAPRAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
PFV-VILLA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
PFV-LLANOSDEPOTROSO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LASROJAS	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**14**
PFV-LOSPATOS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**20**
PFV-LAFRONTERA	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	1	0	0	0	0	0	0	**28**
PFV-PARAGUAY	0	0	0	0	0	0	0	0	3	7	7	7	7	7	6	8	6	1	0	0	0	0	0	0	**58**
PFV-TALCA	0	0	0	0	0	0	0	0	1	4	3	4	5	5	6	6	5	1	0	0	0	0	0	0	**39**
PFV-SANJAVIER	0	0	0	0	0	0	0	0	2	3	3	3	3	3	2	2	1	1	0	0	0	0	0	0	**24**
PFV-QUINANTU	0	0	0	0	0	0	0	0	4	7	7	7	6	7	7	8	6	2	0	0	0	0	0	0	**59**
PFV-RANGUIL	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**17**
PFV-LAACACIA	0	0	0	0	0	0	0	0	2	6	7	8	7	7	7	7	5	2	0	0	0	0	0	0	**59**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
PFV-SANTAAMELIA	0	0	0	0	0	0	0	0	1	2	3	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-ANTONIA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-LORETO	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0	**13**
PFV-ROVIAN	0	0	0	0	0	0	0	0	1	2	2	4	2	2	3	3	2	1	0	0	0	0	0	0	**21**
PFV-JSOLERM	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-DONJORGE	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	2	1	0	0	0	0	0	0	**22**
PFV-GRPITAO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-RAUQUEN	0	0	0	0	0	0	0	0	2	5	6	6	3	3	5	6	2	1	0	0	0	0	0	0	**39**
PFV-LALAJUELA	0	0	0	0	0	0	0	0	2	4	4	4	4	4	4	4	4	1	0	0	0	0	0	0	**35**
PFV-ALTOSTILTIL	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	0	0	0	0	0	0	**8**
PFV-QUILAPILUN	0	0	0	0	0	0	1	9	29	49	56	56	56	54	50	40	24	7	1	0	0	0	0	0	**429**
PFV-KONDA	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	**10**
PFV-SLK808	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**9**
PFV-CHACABUCO	0	0	0	0	0	0	0	0	1	3	5	7	7	8	8	6	3	1	0	0	0	0	0	0	**48**
PFV-LASARAUCARIAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-UTFSMVITACURA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-TECHOSDEALTAMIRA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
PFV-PUENTE	0	0	0	0	0	0	0	0	0	1	2	2	1	2	2	2	2	2	0	0	0	0	0	0	**15**
PFV-DONANDRONICO	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0	0	0	0	**8**
PFV-PIRQUE	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**16**
PFV-DARLIN	0	0	0	0	0	0	0	0	3	7	7	6	3	3	7	7	6	1	0	0	0	0	0	0	**49**
PFV-FRANCISCO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**19**
PFV-TRICAHUE-2	0	0	0	0	0	0	0	0	4	7	7	7	7	7	7	7	5	2	0	0	0	0	0	0	**60**
PFV-SANISIDRO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**16**
PFV-LABLANQUINA-1	0	0	0	0	0	0	0	1	4	7	7	7	7	7	7	7	2	0	0	0	0	0	0	0	**54**
PFV-CANDELARIA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**16**
PFV-MARIAPINTO	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**15**
PFV-HOMERO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**19**
PFV-ELPILPEN	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-LASMERCEDES-1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**16**
PFV-CASABERMEJA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	**8**
PFV-CITRINO	0	0	0	0	0	0	0	0	0	1	2	1	2	2	2	2	2	1	0	0	0	0	0	0	**14**
PFV-GUANACO	0	0	0	0	0	0	0	0	0	2	2	1	2	2	2	2	1	1	0	0	0	0	0	0	**15**
PFV-LIRIODECAMPO	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	**14**
PFV-QUILLAY	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	**14**
PFV-LUMBRERAS	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	2	1	0	0	0	0	0	0	**19**
PFV-ALTOSDELPAICO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LAUREL	0	0	0	0	0	0	0	0	1	1	2	4	3	3	2	1	0	0	0	0	0	0	0	0	**17**
PFV-RAMIRO	0	0	0	0	0	0	0	0	2	2	6	3	5	4	2	1	0	0	0	0	0	0	0	0	**24**
PFV-ALHUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LOSIERRA	0	0	0	0	0	0	0	0	0	1	2	3	3	3	2	2	1	0	0	0	0	0	0	0	**16**
PFV-SANTAADRIANA	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**15**
PFV-CRUCERO	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	0	0	0	0	0	0	0	**13**
PFV-SANPEDRO	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	1	1	0	0	0	0	0	0	**19**
PFV-RLA	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	0	0	0	0	**14**
PFV-ELROBLE	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-ELSAUCE	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-SANTAROSA	0	0	0	0	0	0	0	0	2	4	7	7	7	7	7	7	6	2	0	0	0	0	0	0	**56**
PFV-ECLIPSE	0	0	0	0	0	0	0	0	0	1	1	2	4	5	1	1	2	1	0	0	0	0	0	0	**17**
PFV-LASTORCAZAS	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-NAHUEN	0	0	0	0	0	0	0	0	4	7	8	7	7	7	8	8	6	1	0	0	0	0	0	0	**63**
PFV-MALINKE	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	0	0	0	0	0	0	0	**14**
PFV-LASTURCAS	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	2	1	0	0	0	0	0	0	**22**
PFV-MARCHIGUE-2	0	0	0	0	0	0	0	0	3	6	6	6	6	6	6	6	5	2	0	0	0	0	0	0	**51**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
PFV-MARCHIGUE-7	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-PILPILEN	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-POBLACION	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**16**
PFV-PORTEZUELO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-VITUCO2B	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-LAMANGA-1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**20**
PFV-AVILES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-CORDILLERILLA	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**8**
PFV-ALTOSOLAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-DONIHUE	0	0	0	0	0	0	0	0	1	2	4	6	6	6	6	6	4	1	0	0	0	0	0	0	**43**
PFV-MUTUPIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LASCODORNICES	0	0	0	0	0	0	0	0	1	2	3	2	2	2	1	0	0	0	0	0	0	0	0	0	**13**
PFV-ALCALDESA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-ELCERNICALO-1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**10**
PFV-ELCERNICALO-2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	**10**
PFV-CHUCAO	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	**2**
PFV-NIQUEN	0	0	0	0	0	0	0	0	0	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	**11**
PFV-BICENTENARIO	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	**5**
PFV-CHINCOL	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**6**
PFV-LOSGORRIONES	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	**15**
PFV-PLAYERO	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**6**
PFV-PLAYERITO	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**6**
PFV-SANTAESTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-LASLECHUZAS	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	0	1	0	0	0	0	0	0	**11**
PFV-SOLSANTAINES	0	0	0	0	0	0	0	0	1	1	2	1	1	1	2	2	1	0	0	0	0	0	0	0	**12**
PFV-LUCESOLAR	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**14**
PFV-RINCONADA	0	0	0	0	0	0	0	0	3	5	6	5	6	5	4	3	2	1	0	0	0	0	0	0	**38**
PFV-PITOTOY	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**15**
PFV-LOSMOLINOS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-QUELTEHUE	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**17**
PFV-LASTORTOLAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-BERRUECO	0	0	0	0	0	0	0	0	2	3	3	3	3	3	3	1	2	0	0	0	0	0	0	0	**20**
PFV-SANTARITA	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	0	0	1	0	0	0	0	0	0	**11**
PFV-ELPIUQUEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-ORION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
PFV-HUAPE	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	**9**
PFV-LASPALOMAS	0	0	0	0	0	0	0	0	1	3	3	2	2	2	2	2	2	1	0	0	0	0	0	0	**19**
PFV-MOYA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-MECOCHILLAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**6**
PFV-VENTURADA	0	0	0	0	0	0	0	0	1	3	4	4	3	3	2	1	1	0	0	0	0	0	0	0	**22**
PFV-COCHARCAS	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	**6**
PFV-VILLACRUZ	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**6**
PFV-SANTAFE	0	0	0	0	0	0	0	0	1	2	4	3	3	2	2	1	0	0	0	0	0	0	0	0	**19**
PFV-VILLAALEGRE	0	0	0	0	0	0	0	0	2	2	4	3	3	2	2	1	0	0	0	0	0	0	0	0	**18**
PFV-ELCONDOR	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	**2**
PFV-LEMU	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	**12**
PFV-LASPERDICES	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	**7**
PFV-PENCAHUEESTE	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**5**
PFV-TRICADOS	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	**4**
PFV-MERCURIOSUR	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**7**
PFV-LINARESSOLAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PFV-SATURNONORTE	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	0	0	0	0	0	0	0	0	**10**
PFV-VILLASECA	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	**5**
PFV-CIPRES	0	0	0	0	0	0	0	0	2	2	3	3	3	2	1	1	0	0	0	0	0	0	0	0	**17**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																							
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**

PFV-ELPITIO	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	**18**
PFV-ELRESPLANDOR	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	**6**

Centrales de concentración solar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	-
CS-CERRODOMINADOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Térmicas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	**7132**	**7133**	**6948**	**6643**	**6327**	**6345**	**6083**	**5926**	**5374**	**4895**	**4803**	**4979**	**5190**	**5229**	**5220**	**5266**	**5638**	**5978**	**6246**	**6422**	**6408**	**6450**	**6492**	**6524**	**143,650**
ARICA-GMAR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ARICA-M1AR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ARICA-M2AR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TARAPACA-TGTAR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-1_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-2_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-3_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-4_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-4_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-5_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
UJINA-6_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CERROPABELLON-G1A_GEO	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	**456**
CERROPABELLON-G2A_GEO	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	**442**
NORGENER-NTO1_CAR	85	85	85	85	85	85	85	85	85	55	55	55	55	55	55	55	85	85	85	85	85	85	85	85	**1830**
NORGENER-NTO2_CAR	126	126	126	126	126	126	126	126	126	65	65	65	126	88	88	88	126	126	126	126	126	126	126	126	**2728**
TOCOPILLA-U14_CAR	71	71	71	71	71	71	71	71	50	50	50	50	50	50	50	50	50	71	71	71	71	71	71	71	**1521**
TOCOPILLA-U15_CAR	77	77	77	77	77	77	77	77	63	50	50	50	50	50	50	50	63	77	77	77	77	77	77	77	**1628**
TOCOPILLA-U16_TG1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1+TV1_GNL_A	358	318	0	295	283	293	0	0	0	0	0	0	0	0	0	0	0	0	150	199	0	295	293	294	**2777**
TOCOPILLA-U16_TG1+TV1_GNL_B	0	0	350	0	0	0	165	162	0	0	0	0	0	0	0	0	0	0	0	0	241	0	0	0	**917**
TOCOPILLA-U16_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-U16_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TOCOPILLA-TG3_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
KELAR-TG1_TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1+0.5TV_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1+0.5TV_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1+0.5TV_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1+0.5TV_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG1_TG1+0.5TV_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG12_TG1+TG2+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG12_TG1+TG2+TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG12_TG1+TG2+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG12_TG1+TG2+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG12_TG1+TG2+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2+0.5TV_DIESEL	0	0	0	0	0	0	0	0	0	0	146	153	153	153	153	153	153	168	203	236	236	203	203	236	**2550**
KELAR-TG2_TG2+0.5TV_GNL_A	215	227	171	135	135	135	135	135	135	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1555**
KELAR-TG2_TG2+0.5TV_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2+0.5TV_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
KELAR-TG2_TG2+0.5TV_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANGAMOS-ANG1_CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANGAMOS-ANG2_CAR	263	263	263	263	263	263	181	181	281	281	281	281	281	281	281	281	281	281	281	281	263	263	263	263	**6365**
COCHRANE-CCH1_CAR	244	244	244	244	244	244	244	244	242	244	242	240	241	244	244	244	244	244	240	244	240	244	244	244	**5833**
COCHRANE-CCH2_CAR	244	244	244	244	244	244	244	244	244	244	244	241	244	244	244	244	244	244	239	244	242	244	244	244	**5845**
MEJILLONES-CTM1_CAR	140	140	140	140	135	140	140	128	95	76	76	76	76	76	76	76	128	140	140	140	140	140	140	140	**2839**
MEJILLONES-CTM2_CAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1+TV1_GNL_A	214	214	214	214	91	91	91	91	0	91	91	91	0	0	0	0	0	91	91	91	91	91	91	91	**2132**
MEJILLONES-CTM3_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**91**
MEJILLONES-CTM3_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-CTM3_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MEJILLONES-IEM_CAR	355	355	355	355	355	355	355	355	355	251	140	266	355	355	355	355	355	355	355	355	355	355	355	355	**8112**
ANDINA-CTA_CAR	166	164	168	154	154	154	154	154	154	91	91	91	154	91	91	91	154	154	154	154	170	154	154	155	**3372**
HORNITOS-CTH_CAR	170	170	170	167	152	168	163	152	152	93	93	93	94	93	93	93	152	162	162	170	170	160	168	170	**3428**
ATACAMA-1TG1A_TG1A_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
ATACAMA-1TG1A_TG1A_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_GNL_B	188	188	188	160	160	160	160	188	109	109	109	102	109	109	109	109	109	188	160	160	160	188	188	188	**3601**
ATACAMA-1TG1A_TG1A+0.5TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1A_TG1A+0.5TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1AB_TG1A+TG1B+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-1TG1B_TG1B+0.5TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2A_TG2A+0.5TV2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GNL_B	290	290	290	290	290	290	290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2030**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2AB_TG2A+TG2B+TV2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_GNL_B	0	0	0	0	0	0	0	136	109	109	109	109	109	109	109	109	109	136	136	136	136	136	165	136	**2099**
ATACAMA-2TG2B_TG2B+0.5TV2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ATACAMA-2TG2B_TG2B+0.5TV2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PAM_COGEN	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	**528**
MANTOSBLANCOS-MIMB_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LAPORTADA-TECNET_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
INACAL_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
AGUASBLANCAS-AGB_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TALTAL-2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
DALMAGRO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-1_FO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-2_FO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-3_FO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-4_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANDES-4_FO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SALVADOR_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANLORENZO-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
SANLORENZO-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANLORENZO-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
EMELDA-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
EMELDA-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CENIZAS_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TERMOPACIFICO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PAJONALES_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CARDONES_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
GUACOLDA-1_CAR	126	126	126	126	126	126	126	126	119	108	50	108	119	119	111	119	126	126	126	126	126	126	126	126	**2868**
GUACOLDA-2_CAR	105	105	100	105	105	105	105	105	105	50	50	105	105	105	50	50	105	105	105	105	105	105	105	105	**2295**
GUACOLDA-3_CAR	154	154	133	154	154	134	133	134	133	133	133	133	133	143	142	138	143	134	130	134	130	154	133	134	**3328**
GUACOLDA-4_CAR	127	127	127	127	127	127	127	127	127	108	108	127	127	127	127	127	127	127	127	127	127	127	127	127	**3007**
GUACOLDA-5_CAR	145	145	145	145	145	145	145	145	138	108	108	108	138	145	145	145	145	145	145	145	145	145	145	145	**3353**
HUASCO-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
HUASCO-1_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
HUASCO-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
HUASCO-2_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
HUASCO-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
HUASCO-3_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PCOLORADA_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PCOLORADA_IFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
PENON_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
OLIVOS_BL1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
OLIVOS_BL1+BL2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ESPINOS_BL1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ESPINOS_BL1+BL2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVAVENTANAS_CAR	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	**1968**
CAMPICHE_CAR	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	**2016**
VENTANAS-2_CAR	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	195	195	195	195	195	90	**2685**
QUINTERO-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GNL_A	0	0	0	0	0	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	**75**
QUINTERO-2_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTERO-2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
SANISIDRO-1_TG1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_GNL_A	336	336	336	336	336	331	302	296	246	246	0	0	0	247	296	296	296	305	336	336	296	331	325	331	**6494**
SANISIDRO-1_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	232	225	235	0	0	0	0	0	0	0	0	0	0	0	**691**
SANISIDRO-1_TG1+TV1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1_FSTVD_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-1_TG1+TV1+FA1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_GNL_A	0	0	0	355	349	351	330	330	189	194	200	200	200	200	206	249	297	330	330	349	0	355	0	360	**5374**
SANISIDRO-2_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_GNL_E	380	380	380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	380	0	360	0	**1880**
SANISIDRO-2_TG1+TV1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

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COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
SANISIDRO-2_TG1+TV1_FSTVU_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1+FA1_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_D	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	285	259	253	263	259	280	300	**6199**
NEHUENCO-1_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-1_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_D	340	347	328	326	315	324	328	328	221	221	221	221	221	328	328	328	328	334	347	347	347	347	347	347	**7468**
NEHUENCO-2_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-2_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
NEHUENCO-9B_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NEHUENCO-9B_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
COLMITO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
COLMITO_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
COLMITO_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CONCON_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ENAPACONCAGUA_COGEN	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	**631**
PLACILLA_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
QUINTAY_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ELTOTORAL_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LASVEGAS_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LOSVIENTOS_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LOSVIENTOS_DIESEL_CNAVIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LOMALOSCOLORADOS-1_BIOGAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LOMALOSCOLORADOS-2_BIOGAS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_DIESEL	338	338	338	338	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	205	221	205	214	316	**5588**
NUEVARENCA_TG1+TV1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GN_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1_GNL_P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1+FA1_GLP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1+FA1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1+FA1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1+FA1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1+FA1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVARENCA_TG1+TV1+FA1_GNL_P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
RENCA-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
RENCA-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CMPCCORDILLERA_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANTAMARTA_COGEN	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	**240**
CANDELARIA-1_DIESEL	80	100	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**240**
CANDELARIA-1_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-1_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_DIESEL	75	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**155**
CANDELARIA-2_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_GNL_C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_GNL_D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	**60**
CANDELARIA-2_GNL_E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

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COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
CANDELARIA-2_GNL_F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_GNL_G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CANDELARIA-2_GNL_INFLEX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
EPACIFICO_COGEN	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	**384**
COLIHUES-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
COLIHUES-1_HFO	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	11	11	11	11	11	11	11	**132**
COLIHUES-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
COLIHUES-2_HFO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ESPERANZA-DS1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ESPERANZA-DS2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ESPERANZA-TG1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TENO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
TENOGAS_GLP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CEMENTOSBIOBIO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CEMENTOSBIOBIO_FO6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LICANTEN_BL1_COGEN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**72**
LICANTEN_BL1+BL2_COGEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	**84**
CONSTITUCION_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
MAULE_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
VINALES_BL1_COGEN	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	**240**
VINALES_BL1+BL2_COGEN	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	**288**
CELCO_BL1_COGEN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	**120**
CELCO_BL1+BL2_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LINARES_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANGREGORIO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVAALDEA-1_BL1_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVAALDEA-1_BL1+BL2_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVAALDEA-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
NUEVAALDEA-3_COGEN	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	**888**
LAJAEVE-1_COGEN	7	7	7	7	7	7	7	7	7	2	2	7	7	7	7	7	7	7	7	7	7	7	7	7	**158**
LAJAEVE-2_COGEN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**72**
MASISA_COGEN	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	**204**
SANTALIDIA_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LOSPINOS_DIESEL	108	108	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**323**
LOSGUINDOS_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
LOSGUINDOS-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANTAFE_BL1_COGEN	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	**516**
SANTAFE_BL1+BL2_COGEN	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	**451**
SANTAFE_BL1+BL2+BL3_COGEN	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	**386**
SANTAFE_BL1+BL2+BL3+BL4_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
CMPCSANTAFE_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CMPCLAJA_BL1_COGEN	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	**120**
CMPCLAJA_BL1+BL2_COGEN	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	**240**
CMPCLAJA_BL1+BL2+BL3_COGEN	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	**240**
CMPCPACIFICO_BL1_COGEN	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	**288**
CMPCPACIFICO_BL1+BL2_COGEN	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	**264**
CMPCPACIFICO_BL1+BL2+BL3_COGEN	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**41**
YUNGAY-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
YUNGAY-1_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
YUNGAY-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
YUNGAY-2_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
YUNGAY-3_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
YUNGAY-3_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
YUNGAY-4_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**

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COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	8,799
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	125
Costos Totales [kUSD]	470	456	444	417	387	389	380	368	313	284	338	283	302	315	318	323	346	385	408	407	389	399	386	416	8,924
Costo Marginal Quillota 220 kV	151.4	151.3	150.2	130.5	116.7	116.2	116.2	113.4	63.3	50.4	50.2	52.7	61.2	113.8	114.2	114.8	114.8	117.4	117.5	117.0	118.9	118.3	118.5	119.3	108.67
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	7,000
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	11,475
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	218,278
Generación Total [MWh]	10485	10392	10226	9930	9394	9109	8941	8867	8968	9124	9354	9698	9990	10172	10310	10303	10252	10123	10049	10107	10149	10170	10290	10351	236,754
CHOLGUAN_BL1_COGEN	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	216
CHOLGUAN_BL1+BL2_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEWEN_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEWEN_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEWEN_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEWEN_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEWEN_PROPANO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENAPBIOBIO_COGEN	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	492
ESCUADRON_COGEN	8	8	8	8	8	8	8	8	8	2	2	2	8	8	8	8	8	8	8	8	8	8	8	8	173
CORONEL_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORONEL_GN_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORONEL_GNL_A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORONEL_GNL_B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SANTAMARIA_CAR	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	8976
BOCAMINA-2_CAR	350	350	350	350	350	350	350	350	350	340	340	340	350	350	350	350	350	350	350	350	350	350	350	350	8362
HORCONES_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARAUCO_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAUTARO-1_BL1_COGEN	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	528
LAUTARO-1_BL1+BL2_COGEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	96
LAUTARO-2_BL1_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAUTARO-2_BL1+BL2_COGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1_COGEN_EUCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1_COGEN_PINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1+BL2_COGEN_EUCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1+BL2_COGEN_PINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1+BL2+BL3_COGEN_EUCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1+BL2+BL3_COGEN_PINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1+BL2+BL3+BL4_COGEN_EUCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VALDIVIA_BL1+BL2+BL3+BL4_COGEN_PINO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTILHUE-1_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTILHUE-2_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALLECALLE_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHUYACA_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRAPEN_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
DEGAN_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEGAN2-NAVE4_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEGAN2-NAVE5_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRINCAO_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHILOE_DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Embalses y Reguladas	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Total	2195	2125	2128	2061	1889	1618	1603	1166	646	636	646	646	646	686	842	928	1011	1677	1989	1986	2121	2167	2288	2367	36,065
RAPEL-1	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	45	0	0	75	45	45	330
RAPEL-2	69	40	40	40	70	54	40	0	0	0	0	0	0	0	0	0	0	62	40	75	75	52	40	40	737
RAPEL-3	0	0	0	45	0	0	45	0	0	0	0	0	0	0	0	0	0	0	50	45	75	75	45	45	425
RAPEL-4	40	40	40	40	40	40	40	40	0	0	0	0	0	0	0	0	0	40	75	40	75	40	40	40	670
RAPEL-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	65	130
CIPRESES-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIPRESES-2	20	20	20	20	20	20	20	20	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20	20	320
CIPRESES-3	26	26	26	26	26	26	26	25	0	0	0	0	0	22	22	22	5	26	26	26	26	26	26	26	460
OJOSDEAGUA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	94
LAMINA	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	103
ISLA	38	38	38	38	38	38	38	37	23	23	23	23	23	30	30	30	31	38	38	38	38	38	38	38	799

Periodo Desde: 24-08-2021 28-08-2021

COORDINADOR ELÉCTRICO NACIONAL	Programación Diaria del Sistema Eléctrico Nacional																								
martes, 24 de agosto de 2021	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Costos Operación	452	456	441	414	387	389	380	367	312	284	283	281	294	315	318	323	346	375	387	406	387	399	386	416	**8,799**
Costos Encendido/Detención	18	0	2	3	0	0	0	2	1	0	55	2	8	0	0	0	0	10	21	1	2	0	0	0	**125**
Costos Totales [kUSD]	**470**	**456**	**444**	**417**	**387**	**389**	**380**	**368**	**313**	**284**	**338**	**283**	**302**	**315**	**318**	**323**	**346**	**385**	**408**	**407**	**389**	**399**	**386**	**416**	**8,924**
Costo Marginal Quillota 220 kV	**151.4**	**151.3**	**150.2**	**130.5**	**116.7**	**116.2**	**116.2**	**113.4**	**63.3**	**50.4**	**50.2**	**52.7**	**61.2**	**113.8**	**114.2**	**114.8**	**114.8**	**117.4**	**117.5**	**117.0**	**118.9**	**118.3**	**118.5**	**119.3**	**108.67**
Pérdidas [MWh]	279	272	268	249	224	207	196	182	246	324	354	410	453	452	445	419	364	259	230	231	228	228	237	243	**7,000**
Consumos Propios [MWh]	484	484	483	481	481	481	481	482	475	475	477	476	467	467	467	467	467	476	484	484	484	484	484	484	**11,475**
Demanda Total [MWh]	9721	9636	9475	9200	8689	8421	8265	8204	8247	8326	8523	8812	9069	9253	9397	9417	9421	9387	9335	9392	9437	9459	9570	9624	**218,278**
Generación Total [MWh]	**10485**	**10392**	**10226**	**9930**	**9394**	**9109**	**8941**	**8867**	**8968**	**9124**	**9354**	**9698**	**9990**	**10172**	**10310**	**10303**	**10252**	**10123**	**10049**	**10107**	**10149**	**10170**	**10290**	**10351**	**236,754**
CURILLINQUE	40	40	40	40	40	40	40	40	22	22	22	22	22	31	31	31	32	40	40	40	40	40	40	40	**831**
LOMAALTA	16	16	16	16	16	16	16	16	8	8	8	8	8	12	12	12	12	16	16	16	16	16	16	16	**321**
LOSHIERROS	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	**504**
LOSHIERROS-2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	**72**
PEHUENCHE-1	270	270	270	270	270	214	251	139	0	0	0	0	0	0	0	0	0	270	270	270	270	270	270	270	**3844**
PEHUENCHE-2	270	270	270	270	270	270	270	257	0	0	0	0	0	0	151	155	175	270	270	270	270	270	270	270	**4519**
COLBUN-1	200	200	200	175	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	110	110	110	110	**1546**
COLBUN-2	201	201	201	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	110	110	0	**1353**
MACHICURA-1	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	**312**
MACHICURA-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
CHIBURGO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANCLEMENTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
SANIGNACIO	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	**151**
ELTORO-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ELTORO-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ELTORO-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ELTORO-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ABANICO	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	**732**
ANTUCO-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANTUCO-2	119	119	119	119	119	119	119	117	117	117	117	117	117	117	117	117	117	119	119	119	119	119	119	119	**2843**
RUCUE	67	67	67	67	67	67	67	66	66	66	66	66	66	66	66	66	66	67	67	67	67	67	67	67	**1599**
QUILLECO	29	29	29	29	29	29	29	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	**687**
LAJA1	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	**293**
RALCO-1	168	168	0	0	157	126	126	0	0	0	0	0	0	0	0	90	144	0	0	0	156	170	95	182	**1580**
RALCO-2	0	0	0	0	95	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	95	95	259	282	**1016**
PALMUCHO	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	**509**
PANGUE-1	130	180	225	225	225	83	80	80	80	80	80	80	80	80	80	80	80	130	180	209	138	141	181	220	**3148**
PANGUE-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ANGOSTURA-1	83	79	74	95	79	74	76	76	76	76	76	76	76	76	76	76	76	140	74	112	74	140	140	119	**2119**
ANGOSTURA-2	140	74	140	74	74	79	0	0	0	0	0	0	0	0	0	0	0	0	140	140	79	0	0	74	**1014**
ANGOSTURA-3	47	25	45	47	24	0	0	0	0	0	0	0	0	0	0	0	0	0	46	24	24	27	27	24	**360**
CANUTILLAR-1	53	55	53	54	59	57	57	55	55	50	55	55	55	55	59	50	55	55	51	55	50	62	62	55	**1319**
CANUTILLAR-2	55	53	55	55	57	57	54	55	55	50	55	55	55	55	55	57	55	55	59	55	50	60	60	55	**1325**

ANEXO Nº2
Detalle de la generación real del día 24 de agosto de 2021

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021

24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
CHAPIQUINA	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	122.4	5.1	5.1
COSAPILLA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	10.4	0.4	0.4
ELTORON2	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7	15.3	1.0	0.6
CAVANCHA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	38.5	1.8	1.6
ALTOHOSPICIO	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.7	0.0	0.1	0.0	0.2	0.9	0.8	0.7	0.7	0.7	0.7	0.7	16.3	0.9	0.7
SANTAROSA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2	0.0	0.0	0.0	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	9.5	0.5	0.4
RIOHUASCO	1.0	1.0	0.9	1.0	1.0	0.9	0.9	0.9	0.8	1.0	0.9	0.9	0.8	0.9	1.0	0.9	0.8	0.9	1.0	0.9	0.8	0.9	0.2	0.0	20.3	1.0	0.8
PUCLARO	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	19.1	0.8	0.8
LOSMOLLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.0	9.0	9.0	25.0	9.0	1.0
LAPALOMA	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	16.0	0.8	0.7
CH-HORNITOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	6.6	4.7	4.9	5.1	4.6	5.3	4.7	37.7	6.6	1.6
JUNCALITO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELTARTARO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JUNCAL	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	108.1	5.0	4.5
BLANCO	3.5	3.7	3.6	3.4	3.6	3.8	3.9	4.0	3.9	3.9	4.1	4.6	5.1	5.0	4.7	4.5	4.6	4.3	4.2	4.3	4.3	4.2	4.1	3.9	99.2	5.1	4.1
LOSQUILOS	10.5	9.6	9.6	9.1	9.1	9.0	9.3	9.2	9.3	9.1	8.9	9.2	9.5	9.4	10.0	9.9	10.6	10.7	10.6	10.1	9.9	10.6	10.3	10.4	233.9	10.7	9.7
CHACABUQUITO	5.7	5.7	6.3	6.0	5.9	5.6	5.4	5.7	5.8	5.5	5.6	5.7	5.4	5.6	5.8	5.8	6.2	6.3	6.5	6.6	6.5	6.3	6.2	6.6	142.7	6.6	5.9
SAUCEANDES	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	6.6	0.3	0.3
CARENA	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	58.4	2.5	2.4
MINI_ARRAYAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.5	10.3	0.6	0.4
ALFALFAL	35.3	34.3	34.3	33.3	33.8	33.8	33.3	32.8	31.7	31.2	32.8	33.3	33.3	33.3	33.3	34.8	35.3	34.8	35.8	36.4	35.8	34.3	33.8	34.3	815.1	36.4	34.0
MAITENES	5.9	5.9	5.9	5.1	5.0	5.6	5.7	4.8	4.8	5.0	5.6	4.9	4.9	4.9	5.2	5.3	5.3	5.3	6.8	4.5	6.1	5.6	5.7	6.6	130.4	6.8	5.4
LABIFURCADA	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.1	0.0
CALIBORO	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23.5	1.0	1.0
MALLARAUCO	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.4	3.3	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	80.2	3.4	3.3
COYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHACAYES	23.4	21.4	24.3	23.0	19.3	16.4	18.7	18.8	19.8	18.5	17.4	18.2	19.0	18.5	18.9	19.4	22.9	22.3	28.6	29.2	28.9	28.6	26.5	27.4	529.4	29.2	22.1
SAUZAL	23.6	23.5	24.6	23.8	22.9	22.1	22.8	19.8	19.2	18.7	18.1	15.5	13.3	14.7	15.2	15.1	14.7	14.1	14.4	14.3	13.8	13.7	20.5	26.0	444.2	26.0	18.5
SAUZAL 60 HZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SAUZALITO	4.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	76.0	4.0	3.2
LA-COMPANIA-II	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.7	1.2	1.0	1.2	1.2	1.2	1.1	1.3	1.2	1.2	12.3	1.3	0.5
LAHIGUERA	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	81.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0	36.4	84.8	82.3	81.3	81.1	79.2	81.4	681.6	84.8	28.4
LACONFLUENCIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.3	71.1	70.4	70.5	68.3	67.6	392.2	71.1	16.3
ELPASO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANANDRES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	15.6	8.0	0.0	27.6	15.6	1.2
CONVENTOVIEJO	12.0	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.3	12.0	12.0	12.0	12.0	12.0	12.0	12.0	285.8	12.0	11.9
LAMONTANA-1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	70.1	2.9	2.9
LAMONTANA-2	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	35.9	1.7	1.5
CUMPEO	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.5	2.6	2.6	2.9	3.0	2.9	2.9	2.9	2.8	2.7	2.8	2.8	2.8	2.8	2.7	67.1	3.0	2.8
CORRALES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.0	0.0	0.0	4.9	2.9	0.2
ROBLERIA	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.6	2.3	2.6	2.5	2.5	2.9	3.0	3.0	65.1	3.0	2.7
LIRCAY	10.1	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	11.6	11.1	11.0	10.8	10.5	10.4	10.4	10.4	10.4	10.4	10.4	9.8	10.1	248.7	11.6	10.4
MARIPOSAS	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	2.9	3.0	3.0	3.0	75.8	3.3	3.2
PROVIDENCIA	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.1	9.1	9.0	9.0	9.1	9.0	9.0	8.9	9.1	9.0	8.9	8.9	8.9	8.9	8.8	8.8	8.8	216.5	9.2	9.0
MCHDOSAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISIMA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.6	0.2	0.2
ELGALPON	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	31.7	1.4	1.3
RIOCOLORADO	8.0	7.9	7.9	7.8	7.8	7.7	7.6	7.4	7.6	7.0	6.7	7.7	8.0	7.7	7.8	7.5	7.7	7.8	7.7	7.6	7.5	7.5	7.5	7.4	182.8	8.0	7.6
ITATA	20.0	20.0	20.0	20.0	20.0	20.0	20.0	13.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	473.4	20.0	19.7
ELDIUTO	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.7	58.3	2.7	2.4
BUREO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUNILQUE-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MUNILQUE-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOQUIAMARGO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELMIRADOR	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.0	2.7	2.7	2.7	2.6	2.6	2.6	57.7	2.7	2.4
LLAUQUEREO	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	42.9	1.8	1.8
PEUCHEN	36.1	24.5	7.8	0.0	0.0	0.0	6.1	23.8	32.3	33.3	36.9	40.3	63.8	65.5	68.6	68.1	68.1	68.1	68.1	67.8	65.0	47.7	36.5	36.8	965.3	68.6	40.2
MAMPIL	37.7	32.7	24.9	22.8	11.5	14.7	2.1	8.5	23.6	25.5	26.4	27.5	31.2	40.9	43.9	43.9	44.7	46.9	44.1	44.3	44.0	43.1	39.8	32.2	756.7	46.9	31.5
LOSPADRES	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	55.0	2.3	2.3
EL-PINAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUILLAILEO	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.2	0.0	0.0	0.3	0.5	0.5	0.3	0.0	0.4	0.5	0.5	0.5	8.5	0.5	0.4
MULCHEN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23.7	1.0	1.0
EL-ATAJO	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	7.9	0.4	0.3
RIOTRUENO	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.8	5.8	5.8	139.0	5.8	5.8
RENAICO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALTORENAICO	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	28.5	1.2	1.2
RIOPICOIQUEN	18.4	18.3	18.2	17.9	17.8	17.6	17.5	3.0	17.2	17.0	16.9	16.8	16.6	16.5	16.5	16.4	16.3	16.2	16.2	16.1	16.0	16.0	16.0	15.9	391.1	18.4	16.3
ELMANZANO	4.0	4.0	4.1	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.7	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.7	3.7	91.5	4.1	3.8
TRUFUL-TRUFUL	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.2	0.0	0.0	16.1	0.8	0.7
MOLINERAVILLARRICA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.9	0.2	0.2
CARILAFQUEN	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	55.4	2.5	2.3
MALALCAHUELLO	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.7	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	70.3	3.0	2.9
TRAILELFU	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	61.3	2.6	2.6
ALLIPEN	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.6	2.6	62.3	2.6	2.6
DONGUIL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.3	0.2	0.2
MAISAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.4	0.2	0.2
ELCANELO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELAGRIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PILMAIQUEN	30.3	30.3	30.3	30.3	30.3	30.3	30.3	28.9	30.2	30.2	30.2	30.3	30.3	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.4	30.4	30.3	30.4	726.9	30.5	30.3
RININAHUE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.9	0.5	0.0
DOSVALLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PALACIOS	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.2	0.1	0.1
CORRENTOSO	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.7	4.7	4.7	4.8	115.5	5.1	4.8
PALMAR	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	71.0	3.1	3.0
PULELFU	7.6	7.6	7.0	6.8	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.2	7.2	7.2	7.2	7.2	7.0	7.0	6.9	7.0	7.3	7.4	7.4	175.0	7.6	7.3
MARIAELENA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOSCOLONOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHANLEUFU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.0	0.0	2.6	0.8	0.1
CAPULLO	11.1	10.5	10.2	9.7	10.1	10.5	10.5	10.6	10.7	10.7	10.6	10.6	10.2	10.2	10.3	10.2	10.3	10.2	10.1	10.0	10.0	10.1	10.5	10.6	248.5	11.1	10.4

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021

24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
NALCAS	3.6	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.4	3.1	3.3	3.4	82.2	3.6	3.4
CALLAO	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	26.7	1.4	1.1
HIDROBONITO-MC1	5.1	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.8	4.9	4.8	4.9	117.0	5.1	4.9
HIDROBONITO-MC2	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	69.3	3.0	2.9
RUCATAYO	38.2	31.7	27.3	20.6	20.1	25.8	33.6	33.6	33.7	33.5	33.4	33.5	33.6	33.6	33.7	33.6	33.5	33.5	33.5	38.5	39.0	39.0	38.8	39.1	794.3	39.1	33.1
ENSENADA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAARENA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELCOLORADO	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	17.4	0.8	0.7
DONGO	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.2	2.6	3.5	4.6	4.8	4.8	4.9	5.0	5.0	5.1	71.0	5.1	3.0
COLLIL	0.3	2.3	2.6	2.5	2.5	2.1	0.5	1.1	2.4	2.3	2.3	2.3	2.3	2.4	2.5	2.9	4.2	5.7	6.4	6.3	2.3	3.0	6.6	6.6	74.5	6.6	3.1
QUELTEHUES	21.6	20.9	22.1	21.4	21.1	20.6	21.1	20.6	20.6	20.3	20.0	21.1	21.5	20.6	20.5	20.7	22.4	22.6	22.5	21.2	21.4	21.5	22.2	22.3	510.8	22.6	21.3
VOLCAN	5.9	6.0	5.9	5.9	6.0	5.9	5.9	6.0	5.9	5.9	5.9	5.9	5.9	5.9	6.0	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	148.0	6.7	6.2
GUAYACAN	4.9	4.9	4.5	4.0	4.1	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.2	4.1	4.4	4.5	4.6	4.8	5.2	107.7	5.2	4.5
FLORIDA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FLORIDA-2	3.4	2.9	3.0	3.5	2.6	3.2	3.0	2.0	2.0	2.7	2.0	2.0	3.4	2.0	2.9	2.0	1.9	1.0	1.9	1.0	1.0	1.0	1.0	1.3	52.7	3.5	2.2
FLORIDA-3	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.0	2.1	2.0	2.1	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	48.6	2.1	2.0
PUNTILLA	4.0	3.1	3.1	3.1	3.1	3.1	1.8	1.0	2.4	2.2	2.3	2.6	2.7	2.7	1.5	1.6	2.1	1.5	1.5	1.9	2.0	2.0	2.0	2.5	55.8	4.0	2.3
EYZAGUIRRE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.7	0.2	0.2
LASVERTIENTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELLLANO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELRINCON	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	6.0	0.3	0.3
LOSMORROS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	0.9	1.0	1.0	0.9	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	6.6	1.0	0.3
LOSBAJOS	0.4	0.9	0.8	0.8	0.8	0.8	0.8	0.4	0.1	0.2	0.8	0.6	0.4	0.9	0.5	0.3	0.0	0.2	0.4	0.4	0.4	0.4	0.6	0.4	12.1	0.9	0.5
AUXDELMAIPO	0.8	0.7	1.0	1.0	1.0	1.0	1.0	0.9	0.4	0.3	0.4	0.5	0.5	0.5	0.6	0.6	0.4	0.4	0.3	0.4	0.5	0.5	0.5	0.6	14.3	1.0	0.6
PULLINQUE	11.9	11.3	11.2	11.2	11.2	11.2	11.2	11.2	21.6	20.7	20.3	20.3	20.3	20.3	20.4	20.3	20.5	29.5	30.0	30.2	30.0	28.7	29.0	26.7	479.2	30.2	20.0
RECA	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	40.2	1.7	1.7
PANGUIPULLI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DONAHILDA	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.0	0.4	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.0	0.0	5.1	0.5	0.2
MUCHI	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.6	0.5	12.5	0.6	0.5
LASFLORES	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	23.1	1.9	1.0
PEHUI	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9	0.9	21.1	0.9	0.9
MOCHO	5.9	5.8	5.9	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	132.9	5.9	5.5
LICAN	10.4	9.6	9.7	9.6	9.6	9.6	9.7	4.2	0.4	0.0	0.0	0.0	0.0	5.3	8.9	8.9	13.7	16.2	16.3	16.3	16.1	16.1	15.0	11.4	216.9	16.3	9.0
CUMBRES	6.1	6.1	6.2	6.2	6.1	6.2	6.1	6.1	5.1	5.9	5.8	5.7	5.8	5.7	5.8	5.8	5.8	5.7	5.8	5.7	5.7	5.8	5.9	5.8	140.7	6.2	5.9
SANTAISABEL	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	11.9	0.5	0.5
LOSCORRALES-1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.9	0.3
LOSCORRALES-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	11.9	0.8	0.5
MSA-1	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.8	0.0	0.0	0.0	3.2	0.9	0.1
PICHILONCO	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	25.6	1.2	1.1
DONWALTERIO	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	77.4	3.2	3.2
DIGUA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MELO	2.0	2.0	2.0	1.5	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.3	2.2	48.2	2.3	2.0
CONTRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CURILEUFU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELARRAYAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANCOA	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.7	0.5	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.7	0.6	0.6	0.6	16.4	0.8	0.7
LAVINA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.0	0.2	0.2
SANTAELENA	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	45.6	2.1	1.9
TRANQUIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELTORO	**0.1**	**0.0**	**0.6**	**0.0**	**0.2**	**0.0**	**0.2**	**0.3**	**0.5**	**0.3**	**0.0**	**0.1**	**0.3**	**0.3**	**0.5**	**0.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**3.7**	**0.6**	**0.2**
ANTUCO	**167.9**	**167.7**	**167.9**	**167.7**	**167.7**	**167.7**	**175.0**	**179.9**	**179.8**	**173.6**	**172.9**	**171.5**	**168.2**	**155.7**	**147.0**	**147.1**	**147.3**	**147.3**	**147.5**	**157.7**	**177.5**	**177.2**	**176.7**	**176.4**	**3984.9**	**179.9**	**166.0**
ABANICO	31.4	31.4	31.0	31.4	30.9	31.4	31.0	30.7	30.9	31.0	30.8	30.7	30.9	30.4	30.9	30.7	30.7	30.6	30.7	30.4	30.7	30.5	30.7	30.6	740.5	31.4	30.9
RUCUE	123.0	126.0	125.0	130.0	123.0	120.0	124.0	115.0	118.0	117.0	122.0	125.0	121.0	120.0	113.0	115.0	101.0	96.0	101.0	101.0	103.0	98.0	97.0	105.0	2739.0	130.0	114.1
QUILLECO	52.0	50.0	53.0	51.0	51.0	53.0	53.0	52.0	47.0	49.0	49.0	52.0	53.0	50.0	48.0	50.0	45.0	41.0	40.0	42.0	44.0	42.0	40.0	40.0	1147.0	53.0	47.8
LAJA1	27.4	28.3	28.2	28.2	28.2	27.5	26.5	26.0	25.8	25.8	25.8	25.7	25.3	25.3	25.2	24.9	24.9	24.0	23.9	23.8	23.8	23.6	23.5	23.5	615.1	28.3	25.6
RAPEL	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**90.6**	**113.5**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**65.6**	**231.1**	**309.2**	**371.3**	**368.2**	**318.8**	**201.7**	**180.5**	**60.1**	**2310.5**	**371.3**	**96.3**
CANUTILLAR	**97.0**	**96.0**	**108.0**	**100.0**	**102.0**	**100.0**	**108.0**	**105.0**	**112.0**	**97.0**	**97.0**	**101.0**	**107.0**	**75.0**	**56.0**	**56.0**	**35.0**	**0.0**	**0.0**	**0.0**	**30.0**	**113.0**	**108.0**	**103.0**	**1906.0**	**113.0**	**79.4**
CIPRESES	**28.2**	**19.9**	**0.0**	**0.0**	**20.9**	**23.3**	**24.6**	**24.4**	**18.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**27.8**	**28.5**	**27.6**	**27.4**	**25.9**	**24.2**	**320.8**	**28.5**	**13.4**
OJOSDEAGUA	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	**95.5**	**4.0**	**4.0**
LAMINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ISLA	30.2	23.1	20.7	20.2	23.9	27.4	28.0	28.1	21.7	19.8	17.4	18.4	19.4	18.8	20.3	20.4	20.7	21.1	27.9	30.9	29.7	30.6	33.1	26.7	578.6	33.1	24.1
CURILLINQUE	32.0	28.0	19.0	19.0	18.0	26.0	27.0	32.0	26.0	16.0	16.0	13.0	20.0	16.0	15.0	18.0	18.0	21.0	23.0	32.0	33.0	33.0	35.0	34.0	570.0	35.0	23.8
LOMAALTA	12.1	12.0	7.2	6.7	6.7	7.6	10.6	11.4	11.3	6.1	5.3	4.5	5.2	6.0	5.4	5.1	6.4	6.8	8.6	10.2	13.0	12.6	12.7	14.3	207.7	14.3	8.7
LOSHIERROS	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.4	22.4	22.4	22.4	22.4	22.4	22.3	22.3	22.4	22.3	22.4	22.4	22.3	22.3	22.4	22.3	22.4	537.7	22.5	22.4
LOSHIERROS-2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	98.7	4.2	4.1
COLBUN	**176.0**	**172.0**	**156.0**	**325.0**	**73.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**2.0**	**117.0**	**264.0**	**223.0**	**221.0**	**242.0**	**242.0**	**242.0**	**2455.0**	325.0	102.3
MACHICURA	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**13.0**	**14.0**	**14.0**	**14.0**	**315.0**	**14.0**	**13.1**
CHIBURGO	4.0	4.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	4.0	1.0
SANCLEMENTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANIGNACIO	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	144.0	6.0	6.0
PEHUENCHE	**282.2**	**124.9**	**31.3**	**0.0**	**68.1**	**126.1**	**190.7**	**469.5**	**500.2**	**537.2**	**325.0**	**36.6**	**58.7**	**146.7**	**147.5**	**194.7**	**285.2**	**405.7**	**478.2**	**476.8**	**460.1**	**458.8**	**428.9**	**417.0**	**6650.2**	**537.2**	**277.1**
RALCO	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**38.5**	**211.2**	**97.7**	**4.6**	**0.0**	**0.0**	**0.0**	**0.0**	**132.1**	**312.9**	**479.1**	**555.9**	**558.4**	**558.3**	**557.7**	**190.5**	**3696.9**	**558.4**	**154.0**
PALMUCHO	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.7	594.1	24.9	24.8
PANGUE	**75.7**	**75.6**	**80.0**	**76.7**	**76.5**	**75.9**	**79.1**	**78.0**	**79.0**	**80.4**	**83.1**	**88.2**	**90.4**	**89.5**	**91.6**	**91.2**	**92.2**	**139.1**	**303.5**	**407.3**	**406.7**	**347.9**	**271.7**	**168.8**	**3448.2**	**407.3**	**143.7**
ANGOSTURA	**83.0**	**75.0**	**75.0**	**75.0**	**74.0**	**113.0**	**272.0**	**199.0**	**156.0**	**144.0**	**75.0**	**76.0**	**76.0**	**75.0**	**90.0**	**123.0**	**125.0**	**141.0**	**149.0**	**188.0**	**79.0**	**75.0**	**146.0**	**246.0**	**2930.0**	**272.0**	**122.1**
PE-TCHAMMA	4.0	5.7	1.6	3.0	3.5	2.1	1.3	2.0	4.1	1.9	0.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	34.0	5.7	1.4
PE-SIERRAGORDA	19.0	24.2	26.7	38.6	31.1	28.4	36.8	28.9	9.7	8.8	86.1	108.1	105.9	107.3	108.2	108.2	103.0	108.0	107.2	93.3	79.5	87.7	99.9	100.8	1655.1	108.2	69.0
PE-VALLEDELOSVIENTOS	3.3	5.8	0.5	0.6	6.0	6.0	3.0	3.5	3.5	0.3	5.4	39.6	41.9	41.9	41.9	41.9	44.4	74.8	86.0	77.3	73.6	85.4	76.4	33.9	797.0	86.0	33.2
PE-CALAMA	14.7	7.9	3.8	8.3	15.4	6.7	11.1	16.3	18.2	3.2	0.9	12.4	23.9	24.0	36.3	45.9	46.0	76.8	91.1	76.5	62.0	99.8	87.6	32.8	821.6	99.8	34.2
PE-TALTAL	94.7	94.7	94.6	92.0	94.3	94.8	95.0	95.1	92.7	82.2	78.3	78.3	78.3	78.3	78.5	97.1	60.5	11.8	5.0	2.2	2.6	0.0	19.4	27.0	1547.4	97.1	64.5
PE-SARCO	21.6	11.0	7.7	0.7	0.2	5.6	10.9	14.6	7.7	5.1	12.5	13.0	13.0	11.8	6.9	4.2	3.4	6.9	0.5	0.7	0.3	0.2	10.2	18.1	186.8	21.6	7.8
PE-SANJUAN	17.9	18.3	12.6	0.3	1.5	11.3	12.8	18.5	7.9	4.9	7.8	12.6	10.4	11.3	5.0	3.1	2.9	5.6	0.0	0.0	0.0	0.0	3.4	10.8	178.9	18.5	7.5
PE-CABOLEONES	13.5	5.4	4.9	0.1	0.9	2.5	2.2	8.3	5.6	8.5	19.2	33.0	23.6	23.7	16.3	11.1	5.6	10.4	0.0	0.1	0.2	0.7	2.0	8.2	206.0	33.0	8.6
PE-CABOLEONES-2	12.4	7.0	5.0	0.0	0.0	0.8	1.3	1.4	0.7	10.5	26.7	40.6	37.5	30.3	26.0	14.4	10.5	13.3	0.0	0.0	0.0	0.0	0.7	9.3	248.4	40.6	10.4
PE-CABOLEONES-3	8.9	11.8	8.4	0.3	0.1	5.4	3.8	10.1	5.7	4.8	4.0	8.5	7.2	8.9	3.4	2.2	2.5	2.0	0.0	0.1	0.2	0.0	1.1	6.4	105.8	11.8	4.4
PE-PUNTACOLORADA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.0	0.1
PE-ELARRAYAN	0.0	0.0	0.4	4.0	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.9	9.2	14.8	13.2	14.2	19.0	20.5	23.0	20.6	13.2	25.2	181.4	25.2	7.6
PE-LOSCURUROS	0.0	2.7	7.1	3.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.3	12.7	21.3	23.4	46.4	45.0	40.8	22.7	14.7	15.3	38.6	303.7	46.4	12.7
PE-TALINAYORIENTE	1.1	0.3	1.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.6	16.0	19.0	22.6	17.1	28.5	37.6	35.7	27.2	21.8	14.0	30.2	280.8	37.6	11.7

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 | 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
PE-TALINAYPONIENTE	0.4	0.6	3.3	4.2	2.2	0.2	0.0	0.0	0.0	0.0	0.0	0.5	2.5	5.1	6.9	9.4	6.4	16.9	26.7	24.4	21.3	15.8	17.7	33.1	197.6	33.1	8.2
PE-PUNTASIERRA	0.1	1.8	8.2	5.2	3.3	1.1	2.5	2.0	0.0	0.0	0.0	0.6	3.0	3.8	11.4	14.7	18.6	32.5	27.9	26.9	21.6	13.8	19.6	27.6	246.2	32.5	10.3
PE-MONTEREDONDO	0.0	0.4	1.7	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0	3.2	6.0	6.4	11.5	9.0	8.8	3.5	2.8	4.1	10.3	70.9	11.5	3.0
PE-CANELA	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.1	1.4	1.7	3.0	3.3	1.0	0.4	0.0	0.0	0.5	0.5	13.0	3.3	0.5
PE-CANELA-2	0.0	0.0	0.0	0.0	0.2	0.6	0.5	0.9	0.0	0.0	0.0	1.7	4.6	2.0	5.1	6.8	10.5	13.1	7.5	5.3	3.2	0.5	6.2	6.8	75.6	13.1	3.2
PE-TOTORAL	0.3	0.0	0.2	0.2	1.6	0.4	0.0	2.7	0.0	0.0	0.0	1.7	2.6	2.1	5.5	4.5	7.8	8.7	4.2	3.2	2.5	2.0	4.9	4.0	59.1	8.7	2.5
PE-PUNTAPALMERAS	0.0	0.8	2.0	0.9	0.7	0.2	1.8	1.9	0.3	0.0	0.0	0.0	1.7	0.7	4.6	6.5	8.0	13.8	7.1	5.8	4.5	3.2	6.7	5.6	76.8	13.8	3.2
PE-UCUQUER	0.0	0.1	0.2	0.8	0.8	1.2	1.4	1.3	1.9	2.8	1.6	0.5	0.5	1.0	0.4	0.2	0.7	2.5	5.4	4.9	4.2	3.1	1.6	0.4	37.6	5.4	1.6
PE-UCUQUER-2	0.0	0.1	0.2	0.9	1.5	2.5	2.9	3.2	4.0	4.8	1.7	0.3	0.4	0.7	0.2	0.0	0.9	2.0	3.4	3.7	4.2	3.7	1.6	0.6	43.4	4.8	1.8
PE-LA-ESTRELLA	0.0	0.0	2.1	2.9	3.9	4.4	3.8	5.5	8.9	5.9	3.3	3.6	4.5	2.3	2.5	4.0	4.6	13.7	18.9	24.3	22.8	21.2	7.0	4.2	174.3	24.3	7.3
PE-ELMAITEN	8.8	8.8	8.8	8.8	8.8	8.7	8.8	8.8	7.8	5.2	7.0	7.3	6.9	2.3	0.9	0.1	0.0	0.3	0.6	0.1	0.0	0.3	0.5	0.6	110.3	8.8	4.6
PE-LASPENAS	5.5	7.7	8.2	8.3	8.4	8.4	8.4	8.4	6.7	4.8	6.6	6.5	4.1	4.5	5.0	4.5	3.7	2.4	1.1	0.4	0.1	0.0	0.0	0.0	113.5	8.4	4.7
PE-ALENA	45.0	42.6	40.6	47.6	52.7	47.0	45.8	43.2	39.9	32.2	33.0	39.7	36.4	32.1	18.7	7.9	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.5	609.1	52.7	25.4
PE-CUEL	14.9	12.8	15.3	18.8	23.9	14.5	23.5	17.6	21.0	14.4	16.1	19.5	14.3	10.4	5.8	3.1	2.0	0.5	0.0	0.0	0.0	0.0	0.0	2.3	250.7	23.9	10.4
PE-LOS-OLMOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PE-LAESPERANZA	3.3	5.5	8.3	9.0	8.4	7.3	6.2	5.0	3.8	5.0	5.3	6.9	5.8	4.9	3.1	1.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.3	9.0	3.8
PE-NEGRETE	15.9	24.9	31.2	30.5	29.2	29.1	28.9	26.7	20.2	17.8	12.8	18.1	21.7	17.4	11.3	6.0	2.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	344.4	31.2	14.4
PE-LOSBUENOSAIRES	12.5	10.0	11.5	18.2	19.4	15.5	16.0	13.3	14.4	11.6	12.3	15.0	12.8	10.3	5.5	3.3	1.6	0.1	0.0	0.0	0.0	0.0	0.0	1.0	204.4	19.4	8.5
PE-MESAMAVIDA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PE-LEBU	0.3	0.5	1.2	3.1	2.1	1.4	0.6	0.6	0.9	1.8	1.7	1.2	1.0	0.4	0.4	1.0	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	19.4	3.1	0.8
PE-LEBU-3	0.6	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.6	0.1
PE-EL-ARREBOL	8.9	8.9	8.9	8.9	8.1	5.5	5.8	4.3	2.8	1.4	1.8	2.4	2.9	2.8	2.9	1.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	78.4	8.9	3.3
PE-RAKI	5.1	5.4	3.2	2.9	2.1	2.8	4.6	3.6	2.1	1.2	0.9	2.4	2.1	1.6	1.2	0.5	0.2	0.0	0.0	0.0	0.3	0.8	2.2	3.5	48.5	5.4	2.0
PE-HUAJACHE	4.7	4.8	3.1	2.8	2.1	2.8	3.8	3.3	2.0	1.1	0.7	1.8	1.6	1.5	0.7	0.3	0.2	0.0	0.0	0.0	0.1	0.3	1.4	2.4	41.6	4.8	1.7
PE-LA-FLOR	22.1	23.3	24.9	25.3	24.7	20.9	20.4	23.1	20.3	19.5	13.5	19.3	17.3	15.8	10.5	4.6	1.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	307.7	25.3	12.8
PE-ELNOGAL	4.4	5.3	5.1	7.5	8.8	7.4	7.2	8.0	8.6	4.7	5.6	7.3	5.3	4.4	2.6	1.9	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	94.9	8.8	4.0
PE-TOLPAN-SUR	24.5	28.0	27.0	21.8	22.7	20.7	43.6	34.7	40.2	46.3	43.2	42.8	40.2	46.1	35.3	13.9	4.2	0.9	0.2	0.0	0.0	0.0	0.0	0.0	536.3	46.3	22.3
PE-MALLECO-NORTE	16.3	17.0	21.4	25.8	22.7	18.1	17.0	14.2	11.8	8.9	8.1	13.9	10.3	7.2	5.7	5.0	2.3	0.2	0.0	0.0	0.1	0.2	0.0	1.1	227.4	25.8	9.5
PE-MALLECO-SUR	63.8	63.9	94.9	112.6	97.8	96.1	79.7	69.7	62.0	31.3	34.8	58.5	39.8	27.4	19.6	17.7	10.8	3.0	0.1	0.0	0.0	1.7	0.5	3.9	989.3	112.6	41.2
PE-SANGABRIEL	79.4	81.6	77.3	65.5	62.7	62.8	70.3	76.9	77.9	62.2	64.1	98.8	86.8	68.4	54.4	29.4	7.4	2.9	1.7	0.6	0.7	0.0	0.0	0.4	1132.0	98.8	47.2
PE-RENAICO	40.1	49.2	50.6	46.4	50.1	45.2	52.3	60.9	44.4	45.4	40.0	64.7	53.9	43.3	30.5	16.3	4.1	0.4	0.4	0.0	0.0	0.0	0.0	0.2	738.2	64.7	30.8
PE-AURORA	18.9	4.0	3.3	0.3	0.0	0.2	2.5	7.8	16.8	28.9	34.2	42.0	48.8	58.7	82.7	94.0	106.9	79.1	80.7	79.0	76.3	45.4	32.5	63.5	1006.5	106.9	41.9
PE-SANPEDRO	1.0	1.8	2.8	1.4	2.4	5.5	10.2	16.9	11.8	13.0	20.6	25.9	23.1	24.2	23.7	18.1	20.7	20.0	21.7	16.0	18.4	17.8	12.6	10.6	340.2	25.9	14.2
PE-SANPEDRO-2	2.5	4.1	6.8	4.2	5.3	10.6	18.9	32.8	26.6	25.4	34.2	45.1	46.0	49.5	50.1	36.1	38.0	40.1	46.0	33.1	35.6	38.1	29.6	20.7	679.5	50.1	28.3
PFV-ELAGUILA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	1.7	1.9	2.0	2.0	1.8	1.5	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	14.9	2.0	0.6
PFV-PAMPACAMARONES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.4	2.7	4.8	5.1	5.2	5.2	5.2	4.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	38.1	5.2	1.6
PFV-POZOALMONTE-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-POZOALMONTE-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	4.2	6.0	6.1	6.0	5.9	5.9	6.0	5.7	3.5	0.2	0.0	0.0	0.0	0.0	0.0	50.4	6.1	2.1
PFV-POZOALMONTE-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.8	6.6	13.2	13.5	13.3	13.0	13.1	13.1	12.5	7.9	0.3	0.0	0.0	0.0	0.0	0.0	108.7	13.5	4.5
PFV-TAMARUGO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LOSPUQUIOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.9	1.2	1.3	1.2	1.1	1.0	0.7	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.2	1.3	0.3
PFV-PICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LAHUAYCA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.5	13.3	20.5	23.2	23.8	23.1	21.0	17.4	12.2	5.3	0.3	0.0	0.0	0.0	0.0	0.0	164.0	23.8	6.8
PFV-CALAMA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.1	8.4	8.2	8.4	8.3	8.3	8.3	8.5	8.3	5.3	0.2	0.0	0.0	0.0	0.0	0.0	82.7	8.5	3.4
PFV-SANPEDRO-GPG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	73.3	89.5	89.3	74.3	69.9	69.9	69.2	64.9	63.9	28.7	0.7	0.0	0.0	0.0	0.0	0.0	714.9	89.5	29.8
PFV-VICTORIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	7.6	8.6	8.3	8.4	8.3	8.3	8.4	8.6	8.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	79.7	8.6	3.3
PFV-USYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	22.9	37.4	46.9	43.7	41.0	41.0	41.0	39.9	28.3	11.3	0.5	0.0	0.0	0.0	0.0	0.0	359.4	46.9	15.0
PFV-JAMA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	26.3	26.9	26.1	20.5	18.1	18.1	18.1	18.1	18.0	13.9	0.5	0.0	0.0	0.0	0.0	0.0	214.7	26.9	8.9
PFV-JAMA-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	18.4	18.8	18.4	14.5	13.0	13.0	12.9	12.9	13.0	9.5	0.3	0.0	0.0	0.0	0.0	0.0	151.7	18.8	6.3
PFV-AZABACHE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	1.2	1.6	1.8	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.9	0.3
PFV-SOL-DEL-DESIERTO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
PFV-TAMAYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-MARIAELENA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	15.2	51.5	53.4	52.6	51.7	53.0	47.1	39.2	37.3	20.0	0.6	0.0	0.0	0.0	0.0	0.0	427.7	53.4	17.8
PFV-LA-CRUZ-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-FINISTERRAE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	83.3	99.3	99.8	99.3	99.5	99.8	99.9	93.2	90.3	45.4	1.6	0.0	0.0	0.0	0.0	0.0	931.7	99.9	38.8
PFV-PUERTOSECO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	8.2	8.7	8.5	8.6	8.5	8.5	8.5	8.7	8.5	5.5	0.2	0.0	0.0	0.0	0.0	0.0	84.7	8.7	3.5
PFV-CERRODOMINADOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	77.6	92.3	93.7	93.1	91.8	91.7	92.5	92.0	75.3	29.8	0.9	0.0	0.0	0.0	0.0	0.0	848.4	93.7	35.4
PFV-BOLERO-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	85.0	107.2	106.4	104.3	102.8	102.6	104.6	106.2	99.8	42.3	0.7	0.0	0.0	0.0	0.0	0.0	976.5	107.2	40.7
PFV-URIBESOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.8	11.3	40.4	43.5	43.8	43.8	36.2	7.8	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	235.5	43.8	9.8
PFV-DOMEYKO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ANDES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	13.9	16.3	17.0	16.7	18.2	18.3	18.6	18.8	17.5	8.7	0.1	0.0	0.0	0.0	0.0	0.0	167.6	18.8	7.0
PFV-ANDES-IIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	43.2	50.7	54.5	57.6	51.9	60.6	65.9	65.9	59.5	30.8	0.4	0.0	0.0	0.0	0.0	0.0	551.7	65.9	23.0
PFV-SOL-DE-LILA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-DE-LOS-ANDES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-SOL-DEL-NORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-DEL-DESIERTO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-HUATACONDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	7.2	16.8	61.9	80.2	78.8	77.2	77.4	78.8	70.8	35.1	3.1	0.0	0.0	0.0	0.0	587.3	80.2	24.5
PFV-SANTA-ISABEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	23.6	27.7	88.8	143.9	142.0	143.5	145.8	145.5	139.3	65.6	1.9	0.0	0.0	0.0	0.0	0.0	1073.9	145.8	44.7
PFV-NUEVO-QUILLAGUA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	7.5	29.5	75.4	84.6	88.7	88.7	88.3	79.9	33.6	1.2	0.0	0.0	0.0	0.0	0.0	579.1	88.7	24.1
PFV-LA-GRANJA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	9.1	22.1	89.8	99.1	98.7	98.2	98.4	98.1	93.3	58.9	2.3	0.0	0.0	0.0	0.0	0.0	770.0	99.1	32.1
PFV-ATACAMASOLAR-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	12.2	66.7	134.5	131.4	129.4	125.1	126.3	127.5	122.6	62.3	1.2	0.0	0.0	0.0	0.0	0.0	1042.7	134.5	43.4
PFV-BELLAVISTA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	3.4	8.7	8.5	8.5	8.5	8.6	8.7	8.3	4.9	0.2	0.0	0.0	0.0	0.0	0.0	69.6	8.7	2.9
PFV-LALACKAMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	8.3	11.2	11.0	10.7	10.6	10.6	9.8	9.3	2.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	86.5	11.2	3.6
PFV-LALACKAMA2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	8.3	11.2	11.0	10.7	10.6	10.6	9.8	9.3	2.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	86.5	11.2	3.6
PFV-CONEJO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	56.6	83.9	80.8	80.8	80.8	76.3	39.7	25.6	34.1	34.7	1.5	0.0	0.0	0.0	0.0	0.0	603.8	83.9	25.2
PFV-PAMPASOLARNORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	30.7	57.0	55.1	54.9	53.4	25.4	22.6	26.6	32.9	33.1	1.5	0.0	0.0	0.0	0.0	0.0	396.9	57.0	16.5
PFV-MALGARIDA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	73.7	48.9	142.5	137.6	160.5	120.6	84.7	45.0	35.8	25.2	2.7	0.0	0.0	0.0	0.0	0.0	898.9	160.5	37.5
PFV-ALMEYDA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.9	8.9	18.1	32.1	37.0	29.3	29.6	13.0	9.4	8.3	0.7	0.0	0.0	0.0	0.0	0.0	192.2	37.0	8.0
PFV-SOL-DE-LOS-ANDES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-JAVIERA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.7	8.8	18.8	33.4	44.4	27.2	25.9	17.5	14.0	8.1	0.7	0.0	0.0	0.0	0.0	0.0	203.3	44.4	8.5
PFV-CHANARES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.8	6.6	9.0	18.2	21.1	18.2	12.9	6.9	6.0	4.8	0.4	0.0	0.0	0.0	0.0	0.0	107.2	21.1	4.5
PFV-SALVADOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	40.4	44.8	52.2	40.7	47.3	43.2	41.0	14.9	9.3	5.3	0.7	0.0	0.0	0.0	0.0	0.0	348.3	52.2	14.5
PFV-PILARLOSAMARILLOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-DIEGODEALMAGRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.7	3.8	8.9	17.9	17.1	15.6	7.6	4.7	2.2	0.2	0.0	0.0	0.0	0.0	0.0	80.3	17.9	3.3
PFV-COVADONGA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.2	1.9	5.1	6.5	6.2	3.4	3.5	3.0	2.6	0.1	0.0	0.0	0.0	0.0	0.0	34.2	6.5	1.4
PFV-DAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-DIEGO-ALMAGRO-SUR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-CARRERAPINTO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	27.6	30.0	43.9	48.7	51.2	42.0	32.1	21.2	10.2	7.3	0.1	0.0	0.0	0.0	0.0	0.0	321.1	51.2	13.4
PFV-CAMPOSDELSOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.5	8.5	13.4	17.9	13.5	10.7	6.0	4.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	84.4	17.9	3.5

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 | 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
PFV-LUZDELNORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	59.6	57.6	88.9	101.9	84.2	64.1	44.9	22.6	10.8	8.3	0.3	0.0	0.0	0.0	0.0	0.0	561.1	101.9	23.4
PFV-LLANODELLAMPOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	19.3	59.2	56.3	45.7	23.6	21.9	18.8	16.1	11.3	0.4	0.0	0.0	0.0	0.0	0.0	280.6	59.2	11.7
PFV-RIO-ESCONDIDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	23.1	34.3	48.1	76.2	88.0	70.2	56.1	97.3	41.9	13.0	0.4	0.0	0.0	0.0	0.0	0.0	554.0	97.3	23.1
PFV-SANANDRES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	7.5	25.8	21.7	19.3	17.4	20.4	18.6	18.3	7.7	0.2	0.0	0.0	0.0	0.0	0.0	158.6	25.8	6.6
PFV-PILOTOCARDONES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ESPERANZA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-GUADALAO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.1	1.5	1.9	1.9	1.8	1.7	2.0	1.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	15.0	2.0	0.6
PFV-LA-ESTANCIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.7	2.1	2.0	2.0	1.6	2.1	2.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	16.4	2.1	0.7
PFV-LAS-CHACRAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.0	2.1	2.0	2.0	2.0	1.5	2.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	17.2	2.1	0.7
PFV-LASTERRAZAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.5	0.0
PFV-LOSLOROS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	6.1	9.5	12.3	18.4	21.0	23.6	18.7	23.1	7.4	2.3	0.1	0.0	0.0	0.0	0.0	0.0	143.6	23.6	6.0
PFV-HORNITOS	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0
PFV-VALLESOLARESTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.0	5.3	4.4	3.5	3.7	5.5	3.3	4.7	5.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	40.1	5.6	1.7
PFV-VALLESOLAROESTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.8	6.2	4.5	3.6	4.1	5.1	3.8	5.2	6.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	6.5	1.8
PFV-CACHIYUYO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.4	1.6	2.3	3.8	4.3	4.4	3.2	5.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	28.9	5.5	1.2
PFV-MALAQUITA2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.7	2.3	3.1	4.8	5.4	6.7	5.2	7.4	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	40.3	7.4	1.7
PFV-SANTACECILIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	1.0	1.9	1.0	1.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.9	0.3
PFV-PAINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-HOMERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	2.3	2.3	2.2	2.3	2.4	2.4	2.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	19.7	2.4	0.8
PFV-MARIA-PINTO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.9	2.0	2.0	1.9	2.0	1.6	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	13.8	2.0	0.6
PFV-MOSTAZAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.3	7.3	7.3	7.0	6.9	7.0	7.3	7.3	5.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	60.5	7.3	2.5
PFV-LAACACIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.3	5.5	6.3	6.2	6.0	6.1	6.4	2.5	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	44.3	6.4	1.8
PFV-ANTONIA-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.1	2.1	2.1	2.0	2.1	2.1	2.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	17.8	2.1	0.7
PFV-ROVIAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.2	2.5	1.7	4.2	4.1	3.5	2.7	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	24.3	4.2	1.0
PFV-DON-MARIANO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9	2.1	2.1	2.0	2.0	2.1	2.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	17.5	2.1	0.7
PFV-LALAJUELA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.5	4.0	4.1	3.9	3.8	3.8	3.9	4.0	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	4.1	1.5
PFV-ALTOSDETILTIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	1.3	1.8	1.9	1.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	1.9	0.4
PFV-AMPARODELSOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	2.4	1.3	0.8	0.7	0.4	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.4	2.4	0.3
PFV-GIRASOLES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.9	2.0	2.0	1.9	2.0	1.8	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	13.6	2.0	0.6
PFV-ELROBLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	6.4	6.9	6.7	6.5	6.5	6.7	6.5	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	53.5	6.9	2.2
PFV-LOSGORRIONES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	2.0	2.3	2.3	2.2	2.3	2.4	2.5	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	19.5	2.5	0.8
PFV-GRANADA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.2	2.2	5.0	6.7	6.7	6.8	7.1	7.3	6.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	52.3	7.3	2.2
PFV-ELPITIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.3	1.5	2.2	2.2	2.2	2.3	2.4	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	17.5	2.4	0.7
PFV-SAN-RAMIRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	6.5	7.0	6.8	6.7	6.1	6.6	7.1	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	57.4	7.1	2.4
PFV-LOSIERRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.7	2.2	2.5	2.6	2.5	2.2	1.7	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.3	2.6	0.7
PFV-ALHUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-SANTAADRIANA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	1.9	2.0	1.9	1.9	1.9	2.0	2.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	16.7	2.0	0.7
PFV-LOS-MOLINOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-QUELTEHUE-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.9	2.1	0.7
PFV-EL-QUELTEHUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	2.3	2.3	2.3	2.2	2.3	2.4	1.5	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	18.4	2.4	0.8
PFV-RLA-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.0	1.9	1.9	1.9	1.8	2.0	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	16.1	2.0	0.7
PFV-MARCHIGUE-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.6	6.0	6.1	6.0	5.9	5.9	6.2	6.1	4.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	52.8	6.2	2.2
PFV-MARCHIGUE-VII	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	2.0	2.0	2.0	2.0	2.0	2.1	2.1	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	17.8	2.1	0.7
PFV-ESPERANZA2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.2	7.0	7.1	7.0	6.7	5.4	5.9	7.2	6.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	59.1	7.2	2.5
PFV-POBLACION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	2.1	2.1	2.0	2.0	1.8	1.7	2.2	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	17.9	2.2	0.7
PFV-PILPILEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.4	2.1	2.1	2.0	2.0	1.7	2.0	2.1	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	18.3	2.1	0.8
PFV-PORTEZUELO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	2.0	1.9	1.9	1.7	2.0	2.1	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	16.3	2.1	0.7
PFV-VITUCO2B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.1	2.1	2.0	2.0	2.0	2.1	2.2	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	17.8	2.2	0.7
PFV-ELPILPEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.2	2.3	2.2	2.2	2.3	2.4	1.7	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	18.4	2.4	0.8
PFV-LAS-MERCEDES-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.2	2.0	0.7
PFV-CASABERMEJA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-CITRINO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.9	2.0	1.9	1.9	1.9	2.0	1.7	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	16.4	2.0	0.7
PFV-PUENTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.0	2.0	2.0	2.0	2.0	2.0	1.7	0.8	0.3	0.0	0.0	0.0	0.0	0.0	16.2	2.0	0.7
PFV-LAUREL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.8	5.0	5.3	5.2	5.2	5.3	5.6	5.6	4.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	45.6	5.6	1.9
PFV-DONIHUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.1	6.1	6.1	5.9	5.9	5.9	5.8	5.4	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.1	6.1	2.0
PFV-CRUCERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	1.9	1.9	1.9	1.8	1.2	1.6	2.0	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	15.5	2.0	0.6
PFV-LUDERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.5	2.5	2.4	2.3	2.4	2.3	2.5	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	20.6	2.5	0.9
PFV-OVEJERIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	3.6	6.5	6.3	6.1	6.2	6.6	1.8	2.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	41.0	6.6	1.7
PFV-EL-LITRE-II	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0	6.9	7.3	7.1	6.9	7.0	6.9	4.2	2.5	0.8	0.1	0.0	0.0	0.0	0.0	0.0	51.7	7.3	2.2
PFV-ELROMERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	18.9	69.8	95.3	144.7	95.3	87.0	45.8	16.4	11.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	590.1	144.7	24.6
PFV-ELPELICANO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	8.5	24.5	57.0	69.9	46.6	30.8	15.4	4.9	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	261.3	69.9	10.9
PFV-LA-HUELLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.7	24.2	39.8	52.3	30.7	27.1	11.8	4.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	202.4	52.3	8.4
PFV-LASILLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.2	1.1	1.3	1.0	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.3	0.3
PFV-PUNTABAJASOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.0	0.8	0.7	0.5	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.8	1.0	0.2
PFV-SOLDELNORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.7	2.1	2.4	2.3	1.6	0.6	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12.6	2.4	0.5
PFV-LUNADELNORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.8	2.1	2.5	2.3	1.5	0.6	0.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12.5	2.5	0.5
PFV-TAMBOREAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.4	1.4	1.8	1.6	1.0	0.6	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.8	0.4
PFV-LAGUNILLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.8	0.8	0.6	0.8	0.7	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.8	0.2
PFV-SDGx01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.2	0.2	0.3	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.5	0.1
PFV-LACHAPEANA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	0.7	0.7	0.6	0.8	0.6	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.8	0.2
PFV-ALTURASDEOVALLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-OVALLE-NORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	4.3	6.4	7.2	3.7	1.7	1.6	0.7	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5	7.2	1.2
PFV-LA-CHIMBA-BIS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	0.9	0.5	0.4	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.9	0.2
PFV-CANELILLO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	2.2	2.2	1.8	2.2	2.3	2.1	2.1	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	18.9	2.3	0.8
PFV-COCINILLAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.7	2.1	2.2	2.2	2.2	1.3	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	14.1	2.2	0.6
PFV-EL-SALITRAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.7	2.2	2.0	1.9	2.4	2.5	2.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.9	2.7	0.7
PFV-TALHUEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.8	2.0	2.0	1.2	0.7	0.5	0.2	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	9.7	2.0	0.4
PFV-SANTACLARA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.2	2.1	2.3	1.7	2.1	1.3	0.7	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	14.8	2.3	0.6
PFV-ANTAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.6	3.4	2.7	2.9	4.5	3.2	3.1	3.8	1.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	28.1	4.5	1.2
PFV-PRETTY-FIELD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.2	2.0	0.9	1.6	0.6	0.5	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	11.2	2.2	0.5
PFV-LASMOLLACAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.3	2.0	1.0	1.0	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	7.5	2.0	0.3
PFV-LAS-MAJADAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ELDIVISADERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.2	1.8	1.6	0.5	0.9	0.4	0.5	1.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	11.1	2.2	0.5
PFV-LOMASCOLORADAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	1.2	1.7	1.4	1.0	1.2	1.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.4	1.7	0.4
PFV-CASASBLANCAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-BELLAVISTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	1.8	1.9	1.9	1.1	1.5	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	12.2	1.9	0.5
PFV-SANTALAURA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.7	1.9	1.9	1.9	1.9	2.0	1.9	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	15.1	2.0	0.6
PFV-MONTTSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.3	2.3	2.2	2.2	2.3	1.8	1.3	1.5	0.6	0.1	0.0	0.0	0.0	0.0	0.0	17.0	2.3	0.7
PFV-JAURURO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	1.9	2.0	2.0	2.0	2.1	2.1	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	17.3	2.1	0.7

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021

24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
PFV-CHUCHINI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.0	2.4	2.5	2.6	1.9	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	15.0	2.6	0.6
PFV-CHALINGA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.0	2.0	2.2	1.9	1.1	0.7	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	13.6	2.2	0.6
PFV-ILLAPEL5X	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	2.1	2.0	2.1	1.7	1.0	0.9	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	13.7	2.1	0.6
PFV-ALICAHUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.5	2.5	2.7	2.7	2.3	1.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	15.7	2.7	0.7
PFV_LA_LIGUA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.4	2.7	2.9	2.5	2.5	1.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	18.6	2.9	0.8
PFV-PULLALLI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.9	2.0	1.9	1.9	1.9	2.0	1.9	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	17.1	2.0	0.7
PFV-SANTAJULIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.5	2.5	2.4	2.4	2.4	2.5	1.5	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	18.8	2.5	0.8
PFV-CABILSOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.6	2.2	2.5	2.6	2.4	2.4	2.0	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.6	2.6	0.7
PFV-LOS-PALTOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.8	2.1	2.0	2.0	2.0	2.1	2.1	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	16.1	2.1	0.7
PFV-ELQUEMADO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.5	2.6	2.5	2.5	2.5	2.6	2.7	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	21.2	2.7	0.9
PFV-NILHUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.8	0.9	0.9	0.7	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.9	0.2
PFV-MARIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.8	2.5	2.6	2.6	2.2	1.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	13.1	2.6	0.5
PFV-HORMIGA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.7	1.7	2.2	2.1	1.6	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	2.2	0.4
PFV-FILOMENA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.0	0.9	1.9	2.1	1.3	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	10.0	2.1	0.4
PFV-TRINIDAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ELBOCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.1	4.3	5.1	5.6	6.1	6.2	4.2	2.4	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	40.2	6.2	1.7
PFV-CANESA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4	2.5	1.9	2.4	2.6	2.3	1.7	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	17.7	2.6	0.7
PFV-OLIVILLO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	3.2	6.9	6.7	6.6	6.4	3.0	6.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	47.1	6.9	2.0
PFV-LINGUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ARIZTIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-PANQUEHUE-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	4.2	5.6	5.8	5.7	5.2	4.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	33.2	5.8	1.4
PFV-PICURIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.6	2.1	2.3	2.4	2.4	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	14.6	2.4	0.6
PFV-TILTIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.2	1.4	1.4	1.3	0.6	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.4	0.3
PFV-LUNA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	1.9	1.9	1.8	1.8	1.9	1.8	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	14.1	1.9	0.6
PFV-ELQUEULE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LO-MIRANDA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.6	4.7	4.8	4.6	4.5	4.6	4.3	2.3	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	34.2	4.8	1.4
PFV-OCOA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5	2.5	2.5	2.3	1.3	1.4	1.4	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	16.0	2.5	0.7
PFV-LLAYLLAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.1	5.6	7.6	7.4	7.6	7.7	6.2	2.6	0.1	0.0	0.0	0.0	0.0	0.0	47.4	7.7	2.0
PFV-LOS-TILOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.0	3.0	3.0	2.6	1.4	2.1	1.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	19.2	3.0	0.8
PFV-MEMBRILLO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.4	2.0	2.1	2.1	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	11.2	2.1	0.5
PFV-CHIMBARONGO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.9	1.8	2.0	2.0	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	10.1	2.0	0.4
PFV-EL-ROMERAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.5	2.1	3.3	5.9	6.6	6.8	6.8	5.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	41.3	6.8	1.7
PFV-SANTA-CAROLINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.8	1.1	2.0	2.1	2.1	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	11.3	2.1	0.5
PFV-LORETO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.0	2.0	1.9	1.9	1.5	1.8	0.8	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	14.1	2.0	0.6
PFV-ESTERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.5	1.5	1.4	1.5	1.5	1.5	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	11.3	1.5	0.5
PFV-LOSLIBERTADORES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	3.1	3.9	3.9	2.6	2.5	2.2	1.8	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	23.0	3.9	1.0
PFV-LA-MURALLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	16.7	2.1	0.7
PFV-ARGOMEDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	2.3	3.8	3.8	3.6	3.7	3.5	2.6	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	25.8	3.8	1.1
PFV-SANTA-AMELIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	23.0	2.7	1.0
PFV-CATANSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.1	1.1	1.8	2.4	1.8	1.3	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	11.9	2.4	0.5
PFV-VILLAPRAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-VILLA-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.0	2.0	1.9	2.0	2.0	2.0	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6	2.0	0.7
PFV-LAS-ROJAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.5	0.0
PFV-LLANOS-DE-POTROSO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.0	1.9	3.8	3.3	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	3.8	0.5
PFV-LOSPATOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.3	2.4	2.3	2.3	2.3	2.4	2.5	2.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	20.8	2.5	0.9
PFV-LAFRONTERA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	2.9	3.8	4.4	4.7	4.5	4.1	3.3	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	32.4	4.7	1.3
PFV-RAULI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	2.9	3.0	6.5	7.6	7.6	7.8	7.9	6.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	54.1	7.9	2.3
PFV-PARAGUAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.6	4.5	5.5	7.3	7.1	7.2	7.4	7.6	5.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	57.2	7.6	2.4
PFV-PMGD-SAN-CAMILO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.7	2.1	2.1	2.1	2.2	2.2	2.2	1.3	0.1	0.0	0.0	0.0	0.0	0.0	18.3	2.2	0.8
PFV-PMGD-CURACAVI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-RANGUIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.1	2.2	2.1	2.0	2.0	2.1	2.1	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	17.3	2.2	0.7
PFV-TALCA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.5	5.9	6.8	6.8	6.5	6.3	6.2	6.3	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	55.5	6.8	2.3
PFV-SAN-JAVIER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.2	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	3.4	1.3
PFV-VILLA-CRUZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	2.1	2.2	2.1	2.1	2.1	2.2	2.3	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	18.6	2.3	0.8
PFV-SANTA-FE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.3	5.9	6.9	6.8	6.6	6.6	6.9	7.0	5.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	55.9	7.0	2.3
PFV-VILLA-ALEGRE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.0	6.7	7.2	7.0	6.7	6.7	6.9	7.0	5.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	58.7	7.2	2.4
PFV-LEMU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.2	4.1	4.2	4.1	4.0	4.0	4.2	4.2	3.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	36.2	4.2	1.5
PFV-LASPERDICES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	17.9	2.1	0.7
PFV-PENCAHUE-ESTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.7	0.3
PFV-QUINANTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.8	7.4	7.9	7.6	7.3	7.4	7.8	8.0	6.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	65.9	8.0	2.7
PFV-TRICA-DOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	1.5	1.8	1.7	1.7	1.7	1.8	1.9	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	14.9	1.9	0.6
PFV-QUILAPILUN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.1	17.9	56.9	85.9	82.6	81.4	74.4	42.7	10.5	5.4	0.4	0.0	0.0	0.0	0.0	0.0	465.0	85.9	19.4
PFV-CHACABUCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	2.1	5.8	8.2	7.5	3.3	2.9	8.4	1.5	0.5	0.1	0.0	0.0	0.0	0.0	0.0	41.2	8.4	1.7
PFV-JAHUEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	1.9	2.4	2.3	4.2	4.6	2.9	1.4	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	21.7	4.6	0.9
PFV-KONDA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.8	2.0	2.0	2.1	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	10.8	2.1	0.5
PFV-SLK808	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.2	1.2	1.2	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	1.2	0.3
PFV-TECHOSDEALTAMIRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-GUANACO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.0	2.0	2.2	2.1	2.2	2.2	1.7	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	17.3	2.2	0.7
PFV-DON-ANDRONICO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-PIRQUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.1	2.1	2.0	2.0	2.0	2.0	2.1	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	18.0	2.1	0.7
PFV-SAN-VICENTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-FOTOVOLTSOLAR-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-DARLIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.6	6.7	6.8	6.6	6.4	6.5	6.8	7.1	5.5	1.9	0.1	0.0	0.0	0.0	0.0	0.0	58.4	7.1	2.4
PFV-PEPA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.7	7.0	7.1	6.9	6.7	6.8	7.1	7.3	5.7	2.0	0.1	0.0	0.0	0.0	0.0	0.0	60.8	7.3	2.5
PFV-FRANCISCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-CANDELARIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.0	2.0	2.0	1.9	2.0	1.9	2.1	1.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.4	2.1	0.7
PFV-BLANQUINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	4.0	7.2	7.0	6.7	6.7	6.9	7.2	6.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	7.2	2.3
PFV-TRICAHUE2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.1	7.2	7.3	7.2	7.0	7.2	7.4	7.4	5.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	62.5	7.4	2.6
PFV_SAN_ISIDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.3	2.1	0.7
PFV-SANPEDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.3	2.6	2.7	2.7	2.5	2.0	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	18.7	2.7	0.8
PFV-NAHUEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.9	7.3	7.6	7.5	7.4	7.5	7.7	7.7	6.0	1.7	0.1	0.0	0.0	0.0	0.0	0.0	64.6	7.7	2.7
PFV-MALINKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.8	2.1	2.1	2.1	2.1	2.1	2.1	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	17.3	2.1	0.7
PFV-LASTURCAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	2.2	2.4	2.4	2.3	2.4	2.4	2.4	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	19.6	2.4	0.8
PFV-ECLIPSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	2.4	0.2
PFV-QUILLAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	1.8	2.0	2.0	1.9	0.7	1.5	2.1	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	15.2	2.1	0.6
PFV-LIRIO-DE-CAMPO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	2.1	2.0	2.0	2.0	1.8	1.5	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	15.9	2.1	0.7
PFV-LUMBRERAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	2.8	2.7	2.7	2.7	2.4	2.1	2.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	21.4	2.8	0.9
PFV-PAMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	1.3	1.7	1.3	1.4	1.7	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	10.5	1.7	0.4
PFV-DONACARMEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.7	16.6	24.2	27.6	30.0	30.1	27.4	22.4	12.2	5.8	0.2	0.0	0.0	0.0	0.0	0.0	203.5	30.1	8.5

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 | 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
PFV-SANTUARIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.9	2.3	2.5	2.5	2.6	1.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	13.3	2.6	0.6
PFV-CALLELARGA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.3	2.5	2.5	2.5	1.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12.7	2.5	0.5
PFV-CASUTO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5	2.0	2.0	2.0	2.0	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.8	2.0	0.4
PFV-ENCONSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.2	2.6	6.0	6.3	6.0	6.2	6.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	36.6	6.6	1.5
PFV-LAMANGA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.2	1.7	2.0	2.1	2.1	2.0	1.4	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	14.1	2.1	0.6
PFV-AVILES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-CORDILLERILLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.3	0.0
PFV-ALTOSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-JOSESOLERM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.8	1.0	1.1	1.2	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.2	0.3
PFV-GR-PITAO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-RAUQUEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.1	1.7	5.5	6.5	7.2	7.4	7.4	6.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	7.4	1.9
PFV-DON-JORGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.4	2.7	2.6	2.5	2.4	1.3	2.5	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	20.3	2.7	0.8
PFV-MUTUPIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LASCODORNICES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	2.7	2.7	2.4	2.4	2.3	2.3	2.5	2.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	22.0	2.7	0.9
PFV-PMGD-ALCALDESA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ELCERNICALO-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	10.8	1.3	0.5
PFV-ELCERNICALO-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	10.0	1.2	0.4
PFV-BICENTENARIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-PLAYERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.0	2.5	2.4	2.3	2.3	2.3	2.3	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	19.2	2.5	0.8
PFV-PLAYERITO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	2.0	2.5	2.4	2.3	2.3	2.3	2.3	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	19.0	2.5	0.8
PFV-CHUCAO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-NIQUEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	1.2	2.1	2.1	2.1	2.2	2.2	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	14.8	2.2	0.6
PFV-CHINCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.6	2.4	2.3	2.3	2.3	2.4	2.5	2.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	19.6	2.5	0.8
PFV-CIPRES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.6	2.4	4.9	6.7	6.8	6.8	7.1	7.3	6.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	52.8	7.3	2.2
PFV-MERCURIO-SUR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.7	1.2	2.5	2.7	2.8	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	13.8	2.8	0.6
PFV-LINARES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-SATURNO-NORTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0	1.1	1.9	3.5	3.5	3.5	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	19.1	3.5	0.8
PFV-MACHICURA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-PMGD-EL-FLAMENCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	0.7	0.8	0.8	0.8	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.8	0.2
PFV-VILLA-SECA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	2.0	2.1	2.0	1.9	2.0	2.0	2.1	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	17.4	2.1	0.7
PFV-COCHARCAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	2.1	2.2	2.0	1.9	1.9	2.0	2.0	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	17.4	2.2	0.7
PFV-LAS-TORTOLAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-BERRUECO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-VENTURADA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.7	7.4	7.6	7.2	6.9	6.8	7.0	7.2	6.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	62.1	7.6	2.6
PFV-SANTA-RITA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	2.2	2.1	2.1	2.1	2.2	2.2	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	17.2	2.2	0.7
PFV-EL-PIUQUEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-HUAPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.2	2.1	1.9	1.9	2.0	2.1	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	17.0	2.2	0.7
PFV-ORION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.2	2.3	2.2	2.1	2.1	2.1	2.2	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	18.9	2.3	0.8
PFV-LASPALOMAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.3	2.5	2.6	2.4	2.3	2.2	2.3	2.4	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	21.0	2.6	0.9
PFV-MOYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-MECO-CHILLAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	5.1	5.3	5.1	4.9	4.8	4.9	5.0	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	41.1	5.3	1.7
PFV-SANTA-ESTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LASLECHUZAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	2.6	2.5	2.4	2.3	2.4	2.5	2.3	1.1	0.0	0.0	0.0	0.0	0.0	21.1	2.6	0.9
PFV-PMGD-DADINCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.6	1.9	2.1	2.1	1.9	1.5	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	2.1	0.6
PFV-PMGD-PEGASUS-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.1	2.1	2.2	1.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	10.6	2.2	0.4
PFV-SOL-SANTA-INES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	2.2	2.1	2.0	2.0	2.1	1.5	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	15.9	2.2	0.7
PFV-LUCESOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	1.6	1.8	1.8	1.7	1.9	1.7	1.9	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	14.2	1.9	0.6
PFV-PITOTOY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.1	2.0	0.7
PFV-RINCONADA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.1	5.9	6.3	6.1	5.7	4.9	4.1	3.6	2.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	43.2	6.3	1.8
PFV-EI-RESPLANDOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.2	2.0	1.9	1.9	2.0	2.0	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	17.2	2.2	0.7
PFV-VALLEDELALUNA-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.9	2.0	2.0	2.0	2.1	1.9	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.8	2.1	0.6
PFV-CRUZSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	2.5	2.4	2.4	2.4	2.2	2.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	16.5	2.5	0.7
PFV-SANFRANCISCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LIPANGUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.8	2.3	2.3	2.0	1.7	0.8	0.5	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	12.6	2.3	0.5
PFV-SOL-DE-SEPTIEMBRE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.8	5.3	7.1	8.0	8.2	7.7	6.2	1.7	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48.0	8.2	2.0
PFV-TREBAL-SOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.7	2.2	2.4	2.5	2.5	1.7	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	16.3	2.5	0.7
PFV-LAQUINTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.9	2.4	2.3	2.4	1.5	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	2.4	0.5
PFV-CUZCUZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	1.8	1.9	2.0	2.0	1.2	2.0	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	14.3	2.0	0.6
PFV-NORTECHICO1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.6	1.7	1.7	1.7	1.6	1.3	1.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	13.0	1.7	0.5
PFV-LOMALOSCOLORADOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	0.7	0.7	0.5	0.2	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.7	0.2
PFV-SANTA-INES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	2.2	2.1	2.1	2.0	1.2	0.8	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	14.1	2.2	0.6
PFV-EL-CONDOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.6	0.8	0.8	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.8	0.2
PFV-PERALILLO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LAS-TORCAZAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	2.1	2.2	2.1	2.1	2.2	2.2	2.3	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	18.4	2.3	0.8
PFV-SANTIAGOSOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	28.8	56.6	74.8	85.7	89.8	87.4	55.3	24.8	5.3	4.6	0.1	0.0	0.0	0.0	0.0	0.0	514.1	89.8	21.4
PFV-LOS-PERALES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	1.6	2.3	2.6	2.8	2.8	2.6	1.6	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	18.4	2.8	0.8
PFV-PMGD-KAUFMAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-ELPIQUERO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	2.4	2.4	2.4	2.4	2.4	2.4	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	19.0	2.4	0.8
PFV-CAIMI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-PITRA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.1	2.1	2.1	2.0	2.0	2.1	2.1	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	18.6	2.1	0.8
PFV-CATEMU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	1.4	1.6	1.6	1.6	0.6	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.3	1.6	0.3
PFV-PLACILLASOLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-UTFSM-VALPO-VALDES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
PFV-UTFSM-VINA-MAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.3	0.1
PFV-RODEO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.8	2.0	1.9	1.9	1.3	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	10.6	2.0	0.4
PFV-TUCUQUERE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.2	2.3	2.3	2.3	1.8	1.9	0.6	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	12.9	2.3	0.5
PFV-PEDREROS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	2.4	2.4	2.3	2.3	2.4	2.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	16.4	2.4	0.7
PFV-DONEUGENIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.1	2.1	2.1	2.1	2.1	1.9	1.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	16.7	2.1	0.7
PFV-LAS-CABRAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LOS-LAGOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-CHANCON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	1.9	2.0	1.9	1.9	1.9	1.7	1.6	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	15.0	2.0	0.6
PFV-ELSAUCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.8	2.1	2.1	2.1	2.1	2.1	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	15.1	2.1	0.6
PFV-SANTAROSA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.1	6.9	7.1	6.9	6.8	6.9	7.1	7.1	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	61.6	7.1	2.6
PFV-UTFSM-VITACURA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PFV-LASARAUCARIAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSP-CERRODOMINADOR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GMAR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M1AR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
M2AR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
IQUIQUE-MAIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IQUIQUE-MIIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IQUIQUE-MSIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IQUIQUE-SUIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IQUIQUE-TGIQ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_2-5_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_6_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_13_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ZOFRI_7-12_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTTAR_CARBÓN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TGTAR_DIESEL	5.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	5.8	0.4
UG1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG1_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG2_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG3_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG3_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG4_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG4_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG5_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG5_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG6_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UG6_FUEL OIL NRO. 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CERROPABELLON-U1_GEO	23.1	23.0	22.5	22.2	22.2	22.1	21.9	21.8	22.4	22.2	21.9	20.5	19.5	19.2	18.9	19.1	19.5	19.8	20.3	20.5	21.1	21.5	19.8	20.2	505.1	23.1	21.0
CERROPABELLON-U2_GEO	20.9	21.1	21.2	21.4	21.5	21.5	21.7	21.7	21.6	21.1	21.0	21.2	20.4	20.1	20.2	20.4	21.0	21.1	21.5	21.5	21.7	21.7	20.5	18.0	503.9	21.7	21.0
NORGENER-NTO1_CAR	130.8	133.0	132.7	132.6	133.4	133.6	133.5	133.2	133.3	133.1	128.1	65.4	55.5	56.1	101.6	133.6	132.8	126.9	127.8	133.8	134.0	133.6	133.2	133.3	2924.7	134.0	121.9
NORGENER-NTO2_CAR	124.8	124.6	126.7	125.3	125.2	124.9	126.3	125.8	126.9	125.8	122.5	85.7	102.6	93.8	117.2	126.6	127.2	126.6	127.0	127.0	126.2	126.0	124.3	124.7	2913.5	127.2	121.4
U12_CARBÓN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U13_CARBÓN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U14_CARBÓN	71.2	62.3	63.4	61.8	67.8	71.4	72.9	72.4	75.5	74.4	70.0	51.4	53.0	53.6	71.5	71.2	71.8	71.2	72.1	71.6	70.8	70.6	68.7	69.1	1629.5	75.5	67.9
U15_CARBÓN	75.6	65.8	67.6	66.1	69.7	75.7	77.2	76.7	77.8	76.7	74.6	55.9	55.1	55.7	75.8	77.6	78.2	77.6	78.5	77.9	77.1	76.9	75.0	75.5	1740.4	78.5	72.5
U16-TG_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U16-TG_GAS NATURAL	251.1	227.1	157.6	195.1	206.3	205.2	207.5	226.2	83.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	92.1	187.0	243.1	241.4	242.4	242.4	242.4	3275.3	251.1	136.5
U16-TG_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U16-TG_CP2_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U16-TV_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U16-TV_GAS NATURAL	107.6	97.3	67.6	83.6	88.4	88.0	88.9	97.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	39.5	80.2	104.2	103.5	103.9	103.9	103.9	1403.7	107.6	58.5
U16-TV_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U16-TV_CP2_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG3_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG3_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG3_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG3_CP2_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KELAR TG1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KELAR TG1_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KELAR TG1_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KELAR TG2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.3	98.4	100.3	99.5	101.5	101.0	102.3	100.8	142.5	158.4	158.8	159.2	156.1	1578.8	159.2	65.8
KELAR TG2_GAS NATURAL	135.7	145.7	97.3	86.4	82.9	115.5	147.2	153.2	152.0	154.5	151.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1422.2	154.5	59.3
KELAR TG2_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KELAR TV_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	55.2	56.5	56.2	57.3	57.0	57.5	56.9	67.9	70.8	70.5	70.8	70.2	806.0	70.8	33.6
KELAR TV_GAS NATURAL	73.9	75.7	60.1	51.7	50.2	62.4	76.4	77.5	77.3	77.9	77.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	760.4	77.9	31.7
KELAR TV_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANGAMOS-ANG1_CAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANGAMOS-ANG2_CAR	257.1	256.9	261.2	257.4	258.7	245.1	232.2	259.4	228.1	200.9	202.7	245.3	267.8	262.3	247.1	270.0	237.4	256.5	250.9	231.8	267.8	267.2	264.0	264.1	5991.7	270.0	249.7
CCH1_CARBÓN	244.6	244.5	245.4	244.7	245.7	244.5	244.9	249.7	243.7	240.9	236.6	216.8	219.3	234.7	249.3	250.6	247.0	245.8	246.3	242.8	241.1	240.8	244.4	244.6	5808.6	250.6	242.0
CCH2_CARBÓN	245.4	245.5	246.1	245.5	246.0	245.0	245.3	253.2	245.7	240.9	239.2	217.3	221.4	250.0	242.6	250.4	247.3	245.9	246.6	242.9	241.0	241.0	244.4	244.7	5833.2	253.2	243.1
MEJILLONES-CTM1_CAR	140.9	140.0	140.3	138.0	134.0	134.5	136.6	127.9	128.6	127.7	93.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	24.8	36.7	57.0	71.4	1635.7	140.9	68.2
MEJILLONES-CTM2_CAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTM3-TG_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTM3-TG_GAS NATURAL	135.1	136.3	138.5	137.0	137.0	136.6	138.1	137.7	138.9	135.9	60.8	52.1	12.5	0.0	0.0	27.9	46.2	116.3	138.2	137.8	137.2	137.3	135.6	136.0	2509.0	138.9	104.5
CTM3-TG_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTM3-TG_CP2_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTM3-TV_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTM3-TV_GAS NATURAL	75.6	76.2	76.8	76.3	76.4	76.3	76.6	76.6	77.1	76.4	46.2	38.8	7.7	0.0	0.0	0.0	26.2	66.7	78.1	78.0	77.4	77.2	76.5	76.4	1413.2	78.1	58.9
CTM3-TV_CP_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CTM3-TV_CP2_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEJILLONES-IEM_CAR	349.9	348.8	348.6	348.7	348.6	348.6	348.1	348.5	348.7	349.3	348.5	347.2	348.3	349.0	349.2	350.5	350.8	349.0	350.3	348.5	347.4	347.6	348.7	348.6	8371.4	350.8	348.8
ANDINA-CTA_CAR	156.8	160.6	163.2	154.0	152.5	152.0	154.2	153.6	155.4	154.2	153.1	145.7	116.8	90.5	110.1	143.9	153.4	153.8	155.1	154.5	153.1	152.9	150.0	153.4	3542.9	163.2	147.6
HORNITOS-CTH_CAR	156.3	156.1	159.1	157.1	156.9	156.5	158.5	157.9	159.5	157.5	156.3	147.6	114.0	88.1	94.9	94.4	96.6	109.6	110.1	104.4	91.7	102.2	103.7	136.9	3125.6	159.5	130.2
TG1A_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG1A_GAS NATURAL	114.4	114.1	113.9	70.0	67.1	67.3	66.8	66.7	66.7	67.0	66.7	66.9	67.0	66.8	66.9	66.9	66.9	103.4	88.2	87.9	88.0	93.2	108.6	92.1	1943.5	114.4	81.0
TG1B_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG1B_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG2A_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG2A_GAS NATURAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG2B_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG2B_GAS NATURAL	67.2	67.1	69.6	69.7	69.8	69.9	69.2	66.7	66.7	66.7	66.5	66.7	66.7	66.5	66.7	66.7	66.9	67.0	87.4	87.7	87.8	87.8	87.8	87.8	1742.6	87.8	72.6
TV1C_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TV1C_GAS NATURAL	56.7	56.5	56.6	42.0	41.4	41.4	41.4	41.4	41.4	41.5	41.4	43.1	43.7	43.6	43.2	43.6	43.6	55.0	49.5	49.5	49.6	50.8	56.0	50.5	1123.4	56.7	46.8
TV2C_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TV2C_GAS NATURAL	41.8	41.8	42.6	42.4	42.5	42.6	42.4	41.5	42.2	42.1	42.3	42.1	42.1	42.2	42.0	42.2	42.1	42.2	48.1	47.9	47.9	47.9	47.7	47.7	1046.3	48.1	43.6
PAM_COGEN	21.1	21.0	20.9	21.1	21.1	21.1	21.1	21.2	21.1	20.9	21.1	21.2	21.1	21.1	21.5	21.4	21.1	21.1	21.4	21.0	21.1	21.1	21.2	21.2	507.0	21.5	21.1
ENAEX CUMMINS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENAEX DEUTZ_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MANTOSBLANCOS-MIMB_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAPORTADA-TECNET_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 | 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA MWh	DMAX. MWh/h	DMED. MWh/h
INACAL_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AGB_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TALTAL-1_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TALTAL-2_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TALTAL-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TALTAL-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TALTAL-1_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	96.0	110.0	8.0	0.0	224.0	110.0	9.3
TALTAL-2_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	102.0	118.0	118.0	98.0	0.0	439.0	118.0	18.3
DALMAGRO_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALVADOR_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMELDA-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMELDA-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-1_FO6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-2_FO6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-3_FO6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-4_FO6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-3_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDES-4_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANLORENZO-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANLORENZO-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANLORENZO-3_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CENIZAS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TERMOPACIFICO_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CARDONES_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GUACOLDA-1_CAR	126.0	126.0	126.0	125.0	124.0	124.0	126.0	126.0	121.0	109.0	120.0	109.0	115.0	120.0	126.0	122.0	126.0	126.0	126.0	127.0	127.0	127.0	127.0	127.0	2958.0	127.0	123.3
GUACOLDA-2_CAR	103.0	103.0	100.0	103.0	103.0	103.0	105.0	105.0	104.0	104.0	103.0	103.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	103.0	105.0	105.0	105.0	2497.0	105.0	104.0
GUACOLDA-3_CAR	154.0	154.0	137.0	152.0	145.0	137.0	136.0	138.0	136.0	133.0	129.0	130.0	133.0	147.0	148.0	144.0	145.0	138.0	139.0	135.0	150.0	154.0	136.0	137.0	3387.0	154.0	141.1
GUACOLDA-4_CAR	125.0	125.0	126.0	122.0	120.0	124.0	124.0	127.0	129.0	108.0	103.0	119.0	123.0	127.0	127.0	126.0	127.0	127.0	129.0	128.0	127.0	126.0	123.0	125.0	2967.0	129.0	123.6
GUACOLDA-5_CAR	153.0	155.0	154.0	155.0	154.0	155.0	153.0	153.0	138.0	109.0	104.0	107.0	134.0	152.0	152.0	152.0	152.0	151.0	150.0	151.0	151.0	153.0	152.0	152.0	3492.0	155.0	145.5
HUASCO TV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUASCO_IFO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUASCO_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PCOLORADA_IFO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PCOLORADA_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PENON_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OLIVOS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESPINOS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-ELFARO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RESPALDO-PAJONALES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRIME-CHAGUAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VENTANAS-1_CAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VENTANAS-2_CAR	92.0	93.0	92.0	92.0	94.0	93.0	93.0	92.0	92.0	92.0	93.0	93.0	92.0	93.0	92.0	94.0	94.0	94.0	143.0	190.0	195.0	200.0	183.0	168.0	2749.0	200.0	114.5
NUEVAVENTANAS_CAR	83.0	83.0	83.0	82.0	82.0	83.0	82.0	82.0	83.0	82.0	82.0	82.0	82.0	83.0	82.0	83.0	83.0	83.0	84.0	84.0	83.0	84.0	83.0	83.0	1986.0	84.0	82.8
CAMPICHE_CAR	84.0	84.0	85.0	84.0	84.0	85.0	85.0	85.0	84.0	85.0	84.0	85.0	85.0	85.0	84.0	84.0	84.0	84.0	84.0	85.0	84.0	84.0	85.0	84.0	2026.0	85.0	84.4
COLMITO_DIESEL	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	18.8	18.7	18.7	18.6	18.5	96.5	18.8	4.0
COLMITO_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACONCAGUA_GOGEN	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	28.0	28.1	27.5	26.9	27.2	27.2	26.6	26.4	26.4	26.5	26.4	26.3	26.3	26.3	650.4	28.1	27.1
CONCON_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LIPIGASCONCON_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLACILLA_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUINTAY_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELTOTORAL_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAGVERDE-TV_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAGVERDE-TG_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUINTERO-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUINTERO-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUINTERO-1_GNL	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	35.0	1.5
QUINTERO-1_GN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUINTERO-2_GNL	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	34.0	1.4
QUINTERO-2_GN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-1_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-1_GNL	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	252.0	253.0	252.0	252.0	252.0	253.0	253.0	252.0	252.0	281.0	286.0	265.0	263.0	254.0	253.0	253.0	6150.0	286.0	256.3
NEHUENCO-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-2_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-2_GNL	226.0	227.0	227.0	226.0	217.0	225.0	313.0	327.0	241.0	226.0	226.0	225.0	227.0	301.0	338.0	329.0	341.0	339.0	366.0	354.0	341.0	341.0	339.0	304.0	6826.0	366.0	284.4
NEHUENCO-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-9B_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-9B_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEHUENCO-9B_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANISIDRO-1_GNL	246.0	228.0	246.0	229.0	302.0	315.0	303.0	292.0	283.0	259.0	259.0	268.0	286.0	285.0	301.0	297.0	303.0	304.0	331.0	301.0	291.0	290.0	277.0	266.0	6762.0	331.0	281.8
SANISIDRO-1_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANISIDRO-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANISIDRO-2_GNL	365.0	274.0	265.0	232.0	221.0	235.0	259.0	256.0	321.0	240.0	291.0	292.0	239.0	244.0	258.0	337.0	342.0	332.0	352.0	373.0	373.0	373.0	319.0	307.0	7100.0	373.0	295.8
SANISIDRO-2_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANISIDRO-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LASVEGAS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOSVIENTOS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOMALOSCOLORADOS-1_BIOGAS	10.5	11.0	11.1	11.0	11.0	11.1	11.0	11.1	11.1	11.3	11.5	11.1	10.8	10.8	10.6	10.9	11.3	11.1	10.8	10.8	10.8	10.8	11.1	11.1	263.7	11.5	11.0
LOMALOSCOLORADOS-2_BIOGAS	10.5	11.0	11.1	11.0	11.0	11.1	11.0	11.1	11.1	11.3	11.5	11.1	10.8	10.8	10.6	10.9	11.3	11.1	10.8	10.8	10.8	10.8	11.1	11.1	263.7	11.5	11.0
NUEVA RENCA CC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVARENCA_GN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVARENCA_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVARENCA_FA1_GLP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVARENCA_FA1_GN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVARENCA_FA1_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVARENCA_DIESEL	234.0	207.0	206.0	207.0	207.0	206.0	206.0	208.0	207.0	207.0	207.0	206.0	207.0	214.0	270.0	270.0	249.0	207.0	283.0	331.0	334.0	335.0	326.0	227.0	5761.0	335.0	240.0
RENCA-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA MWh	DMAX. MWh/h	DMED. MWh/h
RENCA-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-ETERSOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANTAMARTA_COGEN	3.0	3.4	3.5	3.9	3.8	4.0	4.1	3.8	4.0	3.8	4.0	3.8	4.9	4.9	4.9	4.9	5.1	5.9	4.6	5.2	5.1	5.2	5.2	5.2	106.2	5.9	4.4
CMPCCORDILLERA_COGEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEPANTO_BIOGAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CMPCTISSUE_COGEN	1.0	0.9	0.8	0.7	1.1	1.2	1.5	1.8	1.8	1.5	1.5	1.5	1.0	0.9	1.1	0.7	1.1	0.7	0.5	0.8	0.5	1.1	1.6	1.4	26.7	1.8	1.1
PMGD-CAMPING-DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANDELARIA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANDELARIA-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANDELARIA-1_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANDELARIA-2_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CANDELARIA-1_DIESEL	64.0	89.0	65.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220.0	89.0	9.2
CANDELARIA-2_DIESEL	67.0	71.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141.0	71.0	5.9
EPACIFICO_COGEN	14.5	14.6	15.0	14.6	14.3	14.6	14.7	14.5	15.1	14.9	14.6	12.9	13.7	14.4	13.1	14.9	15.1	15.0	15.1	14.3	14.9	14.6	14.3	14.6	348.2	15.1	14.5
SAN FRANCISCO DE MOSTAZAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLIHUES_HFO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	11.0	11.1	11.1	11.1	10.5	10.1	11.0	11.0	11.0	11.0	10.5	10.0	134.2	11.1	5.6
COLIHUES_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESPERANZA-DS1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESPERANZA-DS2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESPERANZA-TG1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TENO_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TENO_GAS_50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENTOSBIOBIO_FO6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEMENTOSBIOBIO_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LICANTEN_COGEN	2.0	2.0	1.7	2.5	2.6	2.9	2.4	2.6	2.8	3.2	3.2	3.5	2.6	3.3	3.2	3.2	3.0	3.2	3.1	2.0	2.0	2.6	1.8	2.2	63.5	3.5	2.6
VINALES_COGEN	30.2	29.9	30.3	27.8	27.5	27.5	27.5	27.8	30.5	29.8	29.6	29.2	31.0	30.3	30.4	30.3	30.3	30.4	31.6	31.4	31.2	30.4	29.4	28.6	712.8	31.6	29.7
PINARES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONSTITUCION-1-ELEK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	1.4	0.5
CONSTITUCION-2-ELEK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CELCO_COGEN	3.6	4.2	4.4	2.5	4.8	5.7	2.6	2.4	3.4	4.6	5.4	5.1	4.7	5.3	5.2	3.4	2.2	2.8	2.3	3.2	2.9	4.7	2.1	2.7	90.2	5.7	3.8
SAN-JAVIER-1-DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SAN-JAVIER-2-DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RASOPOWER_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LINARES_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANGREGORIO_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-CHILLAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVAALDEA-1_COGEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVAALDEA-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NUEVAALDEA-3_COGEN	15.5	17.1	17.4	18.7	24.3	21.6	16.1	20.5	23.1	22.0	22.7	21.7	20.9	22.0	22.5	21.7	20.6	17.1	18.8	15.6	23.7	26.7	25.0	26.5	501.7	26.7	20.9
LAJAEVE	27.4	28.3	28.2	28.2	28.2	27.5	26.5	26.0	25.8	25.8	25.8	25.7	25.3	25.3	25.2	24.9	24.9	24.0	23.9	23.8	23.8	23.6	23.5	23.5	615.1	28.3	25.6
MASISA_COGEN	8.4	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.5	8.5	8.4	8.5	8.5	8.4	8.4	8.5	8.5	8.3	8.3	8.4	8.4	8.5	8.6	8.6	203.3	8.6	8.5
YUNGAY-1_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YUNGAY-2_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YUNGAY-3_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YUNGAY-1_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YUNGAY-2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YUNGAY-3_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YUNGAY-4_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANTALIDIA_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANTAFE_COGEN	52.7	37.7	48.5	60.7	55.6	51.3	41.6	33.0	23.9	20.2	19.2	13.3	20.3	27.2	24.8	19.1	12.8	25.9	27.5	36.1	31.6	26.4	16.4	12.6	738.4	60.7	30.8
CMPCLAJA_COGEN	19.4	10.3	15.7	11.4	19.2	30.9	30.9	31.1	30.3	22.7	16.9	17.3	14.2	12.9	22.7	21.6	23.4	21.1	21.1	21.9	22.3	21.7	23.7	25.8	508.5	31.1	21.2
CMPCPACIFICO_COGEN	18.4	19.3	19.2	20.2	19.8	20.4	21.8	20.9	21.8	24.5	21.2	22.2	22.0	24.0	21.4	22.5	22.2	21.0	20.0	23.9	24.6	24.5	23.6	24.7	524.1	24.7	21.8
PMGD-CMPCSANTAFE_COGEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOSPINOS_DIESEL	90.0	97.0	97.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	93.0	97.0	97.0	74.0	0.0	708.0	97.0	29.5
LOSGUINDOS_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOSGUINDOS_2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHOLGUAN_COGEN	4.5	4.7	5.0	4.9	4.6	4.5	4.2	3.8	2.5	2.2	2.2	4.2	5.3	4.5	3.8	3.8	4.9	4.1	5.6	5.8	6.5	5.9	5.9	5.6	108.9	6.5	4.5
NEWEN_PROPANO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEWEN_BUTANO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEWEN_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEWEN_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEWEN_GAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEWEN_PRO_ BUT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PETROPOWER_PET	51.5	53.0	53.0	51.5	53.0	53.5	52.5	52.5	52.5	53.0	53.0	53.5	52.0	53.0	52.5	52.0	52.0	52.0	51.0	51.5	52.5	52.5	52.5	53.0	1259.0	53.5	52.5
ESCUADRON_COGEN	10.3	10.3	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.4	248.2	10.4	10.3
SANTAMARIA_CAR	366.0	366.0	366.0	366.0	366.0	366.0	366.0	367.0	367.0	367.0	367.0	365.0	367.0	368.0	366.0	365.0	366.0	367.0	368.0	367.0	367.0	365.0	366.0	366.0	8793.0	368.0	366.4
CORONEL_GN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CORONEL_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CORONEL_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOCAMINA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BOCAMINA-2	342.0	340.0	341.0	342.0	341.0	340.0	335.0	340.0	338.0	336.0	335.0	337.0	340.0	344.0	344.0	344.0	346.0	344.0	347.0	347.0	345.0	346.0	345.0	345.0	8204.0	347.0	341.8
HORCONES_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARAUCO_COGEN	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.8	0.0	0.5	4.4	1.7	0.0	0.0	0.0	12.5	4.4	0.5
LAUTARO-1_COGEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LAUTARO-2_COGEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VALDIVIA_COGEN	5.3	5.1	4.8	3.7	4.3	3.9	3.4	5.6	6.1	6.3	4.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.7	7.2	7.4	7.5	8.0	90.5	8.0	3.8
ANTILHUE_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALLECALLE_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHUYACA_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TRAPEN_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	10.0	0.0	0.0	0.0	26.7	16.7	1.1
ALMENDRADO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TRINCAO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	7.8	7.5	5.0	0.0	0.0	0.0	25.6	7.8	1.1
CALFUCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEGAN_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEGAN2_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHILOE_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MONTEPATRIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PUNITAQUI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELMOLLE	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	0.9	1.4	1.4	1.3	1.3	1.4	1.4	1.3	0.9	1.4	1.5	1.4	1.6	1.7	1.7	34.8	1.7	1.4

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021

24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
BIOCRUZ	1.2	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.2	1.3	1.6	1.8	1.5	0.9	0.9	1.5	0.0	0.0	1.5	1.1	1.1	1.2	1.2	1.2	21.2	1.8	0.9
TOMAVAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.1	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.0	0.9	0.9	0.9	0.9	11.7	1.6	0.5
PMGD-CORTES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-DONAJAVIERA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.2	0.1	0.1
PMGD-ERMITANO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-SEPULTURA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-LAS-QUEMAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CASABLANCA-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0
CASABLANCA-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAPIHUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CURAUMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0
PMGD-DEUCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-CHORRILLOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TREBALMAPOCHO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELNOGAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
ESTANCILLA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-COPIULEMU	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.1	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	13.4	0.6	0.6
PMGD-ELCAMPESINO1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.6	0.2	0.0
PMGD-MIMBRE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SANTAIRENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LASPAMPAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TAMM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CURICO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHILE_GEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-ORAFTI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.0	0.5	0.0	1.2	0.5	0.0
ENERGIA BIOBIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COELEMU	2.3	2.3	2.1	1.0	2.0	2.0	1.9	2.2	2.1	2.3	2.4	2.6	2.8	2.5	0.9	2.1	2.0	1.9	2.0	2.5	1.9	2.3	2.1	2.3	50.7	2.8	2.1
CAÑETE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TRONGOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEBU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TIRUA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONTULMO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LOSALAMOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HBS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.3	1.9	0.9	0.1
HBS_GNL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANCALI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
QUITRALMAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PICOLTUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-BOLDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-LOSSAUCES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-LOSSAUCES-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-LOSSAUCES-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-MALLECO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHUFKEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CURACAUTIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.5	0.5	0.4	0.3	0.5	0.5	1.0	1.5	1.5	1.5	1.5	0.0	10.6	1.5	0.4
LONQUIMAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EAGON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LPLAUTARO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-AROMOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LPPANGUIPULLI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
REY_DIESEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOUTHERN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WATTS-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WATTS-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SKRETTINGOSORNO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-TAMBORES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-CHIFIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-LOS-NEGROS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-CAMPESINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-RAPACO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-CIRUELILO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-CALAFATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-ALERCE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MULTIEXPORT-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MULTIEXPORT-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-BLUEGATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PMGD-DON-PEDRO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELCANELO-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SKRETTING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DANISCO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BIOMAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SALMOFOOD-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHANGOS->CUMBRES C1	299.5	259.2	210.1	199.9	248.5	263.5	272.3	377.6	453.5	477.7	560.2	518.6	482.6	451.8	525.3	571.1	541.5	425.9	289.7	280.5	267.8	295.1	307.1	299.5	8878.5	571.1	369.9
CHANGOS->CUMBRES C2	296.2	256.0	100.6	197.0	245.4	260.4	269.1	374.2	450.0	474.1	556.4	515.0	479.2	448.6	521.8	567.5	537.9	422.5	286.4	277.4	264.7	291.9	303.8	296.2	8692.0	567.5	362.2
CUMBRES->CHANGOS C1	-288.6	-249.1	-200.9	-190.8	-238.3	-252.4	-260.8	-364.0	-438.5	-463.0	-543.3	-503.5	-468.4	-438.3	-509.3	-553.5	-524.9	-412.6	-279.5	-270.4	-257.9	-284.5	-295.8	-288.4	-8576.7	-190.8	-357.4
CUMBRES->CHANGOS C2	-289.8	-250.3	-202.1	-192.0	-239.5	-253.6	-262.0	-365.2	-439.9	-464.4	-544.7	-504.9	-470.0	-440.0	-510.9	-555.1	-526.4	-414.1	-280.6	-271.6	-259.1	-285.7	-296.9	-289.5	-8608.0	-192.0	-358.7
TOTAL HORA.	5991.0	5556.8	5367.9	5252.5	5104.0	5167.4	5541.9	5884.2	6497.6	6919.6	6891.9	6947.7	6922.8	6859.9	6640.2	6507.3	6452.3	6627.9	7326.7	7755.8	7687.4	7525.8	7170.3	6453.3	**155,052**		
TOTAL HORA. SING	3134	3097	2942	2910	2931	2955	3011	3207	3358	3421	3629	3500	3411	3382	3512	3613	3580	3407	3085	3108	3125	3212	3236	3165	**77,928**		
TOTAL SEN	9125	8654	8309	8163	8035	8122	8553	9091	9855	10341	10521	10447	10333	10242	10152	10121	10032	10035	10412	10863	10812	10737	10406	9618	**232,980**		
CONS. PROPIOS	241	239	239	238	236	236	236	236	236	236	236	237	237	237	237	237	237	237	239	239	239	239	239	237	**5,700**		
CONS. PROPIOS SING	205	205	205	205	205	205	205	205	205	198	198	187	187	180	180	184	194	194	194	205	205	205	205	205	**4,772**		
FLUJO CHANGOS->CUMBRES	587	507	357	390	486	515	532	740	891	940	1102	1021	950	889	1034	1124	1065	838	568	550	525	579	602	587	**17,378**		
PERDIDAS APROX.	184	157	140	136	133	138	157	187	232	262	271	269	263	255	250	247	240	237	264	292	286	278	256	211	**5,342**		
PERDIDAS APROX. SING	69	74	74	65	56	55	60	58	58	61	67	62	60	65	63	64	66	73	66	70	76	80	80	73	**1,593**		
DEMANDA APROX.	6153	5669	5346	5268	5220	5308	5681	6202	6921	7361	7487	7463	7373	7258	7187	7147	7041	6992	7392	7774	7687	7587	7277	6592	**161,387**		
DEMANDA APROX. SING	2273	2310	2306	2250	2184	2179	2214	2203	2203	2222	2262	2229	2214	2248	2236	2241	2255	2302	2257	2282	2319	2347	2349	2300	**54,186**		

RESUMEN DIARIO DE OPERACION DEL SEN

24-08-2021 24-08-2021

.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT.DIA	DMAX.	DMED.
																									MWh	MWh/h	MWh/h
HORA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DMAX :	7755.8	7756

ANEXO Nº3
Detalle del Movimiento de Centrales e Informe Diario del CDC correspondientes al día 24 de agosto de 2021

24-08-2021	Ultima Actualización:	24-08-2021	23:57	CMG-Online:	115.0	Quillota_220 kV:	SANISIDRO-1_TG1+TV1_GNL_A									SS.CC.	
Hora Movi.	Equipo /	Central-Unidad	Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de	SSCC	BASEPOINT
0:00	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control	Activo	
00:00	-	CDC	-	-	-	-	-	-	-	Movimiento para estimación del Cmg On-Line	-	-	-	-		
00:00	-	COLBUN	COLBUN	-	-	-	-	-	RE	Se declara en condición de Agotamiento	-	A	-	COLBUN	-	
00:00	-	SANISIDRO-2	SANISIDRO-2 TG1+TV1 GNL E	PC	N	LC	PC	-	OM	Cambio de Combustible de GNL A a GNL E.	-	-	-	ENEL GENERACION	-	PC
00:00	-	NUEVARENCA	NUEVARENCA_TG1+TV1_DIESEL	MT	RO	LC	MT	-	OM	Cambio en La Política de Precios	-	-	IL 2020001697	GENERADORA METROPOLITANA	-	MT
00:00	-	SANISIDRO-1	SANISIDRO-1_TG1+TV1_GNL_A	MT	N	LC	MT	-	OM	Cambio en La Política de Precios	-	-	-	ENEL GENERACION	-	MT
00:00	-	CANUTILLAR-1	CANUTILLAR	MT	N	-	MT	-	OM	Cambio en La Política de Precios	-	N	-	COLBUN	-	MT
00:00	-	CANUTILLAR-2	CANUTILLAR	MT	N	-	MT	-	OM	Cambio en La Política de Precios	-	N	-	COLBUN	-	MT
00:00	-	QUINTERO-1	QUINTERO-1 GNL A	MT	N	LC	PS	-	OM	Cambio de Combustible de GNL E a GNL A e inicia su retiro.	-	-	-	ENEL GENERACION	-	
00:00	-	QUINTERO-2	QUINTERO-2 GNL A	MT	N	LC	PS	-	OM	Cambio de Combustible de GNL E a GNL A e inicia su retiro.	-	-	-	ENEL GENERACION	-	
00:00	-	CANDELARIA-2	CANDELARIA-2 DIESEL	MT	N	LC	MT	-	OM	llega a MT con SSCC.	-	-	-	COLBUN	-	MT
00:00	-	ATACAMA-1TG1A	ATACAMA-1TG1A_TG1A+0.5TV1_GNL_B	MT	RO	LC	MT	-	OM	-	-	-	IL 2021001953	ENEL GENERACION	-	MT
00:00	-	ATACAMA-2TG2B	ATACAMA-2TG2B_TG2B+0.5TV2_GNL_B	MT	RO	LC	MT	-	OM	-	-	-	IL 2021001953	ENEL GENERACION	-	MT
00:00	-	COLBUN-2	COLBUN_sinv	MT	N	-	PS	-	OM	Finaliza SSCC.	-	A	-	COLBUN	-	
00:01	-	CDC	-	-	-	-	-	-	-	Movimiento para estimación del Cmg On-Line	-	-	-	-		
00:02	-	CANDELARIA-1	CANDELARIA-1 DIESEL	-	N	LC	PMT	-	OM	Sincronizada con SSCC.	-	-	-	COLBUN	-	
00:02	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	MT
00:03	-	COLMITO	COLMITO_DIESEL	MT	LF	LC	PS	PCP	OM	-	Ctx Lt 110 kV Quillota - San Pedro	-	IL 2021001517	CARDONES	-	
00:05	-	COLBUN-2	COLBUN_sinv	0	DN	-	FS	-	OM	-	-	A	-	COLBUN	-	
00:06	-	COLMITO	COLMITO_DIESEL	0	DLF	DLC	FS	PCP	OM	-	-	-	IL 2021001517	CARDONES	-	
00:06	-	ANGOSTURA-3	RALCO_sinv	MT	N	-	PS	-	OM	-	-	-	-	COLBUN	-	
00:08	-	CANDELARIA-1	CANDELARIA-1 DIESEL	MT	N	LC	MT	-	OM	Con SSCC.	-	-	-	COLBUN	-	MT
00:11	-	ANGOSTURA-3	RALCO_sinv	0	DN	-	FS	-	OM	-	-	-	-	COLBUN	-	
00:23	-	QUINTERO-2	QUINTERO-2 GNL A	0	DN	DLC	FS	-	OM	-	-	-	-	ENEL GENERACION	-	
00:24	-	QUINTERO-1	QUINTERO-1 GNL A	0	DN	DLC	FS	-	OM	-	-	-	-	ENEL GENERACION	-	
00:48	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION	-	
00:51	-	PEHUENCHE-2	PEHUENCHE	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	
01:04	-	KELAR-TG2	KELAR-TG2_TG2+0.5TV_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	KELAR	-	MT
01:04	-	TOCOPILLA-U14	TOCOPILLA-U14_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000609 - IL 2021000554 - IL 2021000547	ENGIE GENERACION	-	MT
01:04	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	MT	LF	-	MT	PCP	OM	-	-	-	IL 2021000376	ENGIE GENERACION	-	MT
01:04	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	MT	-	OM	Con SSCC.	-	N	-	ENEL GENERACION	-	MT
01:04	-	SANISIDRO-2	SANISIDRO-2 TG1+TV1 GNL E	280	N	LC	CI	-	OM	-	-	-	-	ENEL GENERACION	-	
01:04	-	CIPRESES-3	CIPRESES_sinv	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION	-	
01:05	-	TARAPACA-TGTAR	TARAPACA-TGTAR_DIESEL	0	DN	-	FS	-	EP	Cancelada SI 2021070339	-	-	-	ENEL GENERACION	-	0
01:05	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG horario	-	-	-	CDC	-	-
01:08	-	CIPRESES-3	CIPRESES_sinv	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	
01:32	-	SANISIDRO-2	SANISIDRO-2 TG1+TV1 GNL E	200	N	LC	CI	-	OM	-	-	-	-	ENEL GENERACION	-	
02:00	-	CANDELARIA-2	CANDELARIA-2_DIESEL	MT	N	LC	PS	-	OM	Finaliza SSCC.	-	-	-	COLBUN	-	
02:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_B	MT	RO	LC	MT	MTP	OM	Cambio de combustible de GNL_A a GNL_B.	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION	-	-
02:05	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG horario	-	-	-	CDC	-	-
02:07	-	CANDELARIA-2	CANDELARIA-2_DIESEL	0	DN	DLC	FS	-	OM	-	-	-	-	COLBUN	-	
02:08	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	PS	-	OM	Finaliza SSCC.	-	N	-	ENEL GENERACION	-	
02:08	-	SANISIDRO-2	SANISIDRO-2 TG1+TV1 GNL E	300	N	LC	CI	-	OM	-	-	-	-	ENEL GENERACION	-	
02:21	-	PEHUENCHE-1	PEHUENCHE	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION	-	
02:47	-	COLBUN-2	COLBUN_sinv	-	DN	-	PP	-	OM	Por SSCC.	-	A	-	COLBUN	-	
03:00	-	CANDELARIA-1	CANDELARIA-1 DIESEL	MT	N	LC	PS	-	OM	Finaliza SSCC.	-	-	-	COLBUN	-	
03:00	-	COLBUN-2	COLBUN_sinv	MT	N	-	MT	-	OM	Con SSCC.	-	A	-	COLBUN	-	MT
03:00	-	SANISIDRO-2	SANISIDRO-2 TG1+TV1 GNL A	MT	N	LC	MT	-	OM	Cambio de Combustible de GNL E a GNL A.	-	-	-	ENEL GENERACION	-	MT
03:00	-	LOSPINOS	LOSPINOS_DIESEL	MT	N	LC	PS	-	OM	Finaliza SSCC.	-	-	-	COLBUN	-	
03:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_A	PC	RO	LC	PC	MTP	OM	Cambio de combustible de GNL_B a GNL_A.	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION	-	-
03:06	-	CANDELARIA-1	CANDELARIA-1_DIESEL	0	DN	DLC	FS	-	OM	-	-	-	-	COLBUN	-	
03:09	-	LOSPINOS	LOSPINOS_DIESEL	0	DN	DLC	FS	-	OM	-	-	-	-	COLBUN	-	
04:00	-	COLBUN-1	COLBUN_sinv	MT	N	-	PS	-	OM	-	-	A	-	COLBUN	-	
04:00	-	COLBUN-2	COLBUN_sinv	MT	N	-	MT	-	OM	Finaliza SSCC. y control cota machicura.	-	A	-	COLBUN	-	MT
04:09	-	COLBUN-1	COLBUN_sinv	0	DN	-	FS	-	OM	-	-	A	-	COLBUN	-	
04:14	-	PEHUENCHE-1	PEHUENCHE	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION	-	
04:14	-	CIPRESES-3	CIPRESES_sinv	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION	-	
04:14	-	TOCOPILLA-U14	TOCOPILLA-U14_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000609 - IL 2021000554 - IL 2021000547	ENGIE GENERACION	-	-
04:14	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000376	ENGIE GENERACION	-	-
04:14	-	KELAR-TG2	KELAR-TG2_TG2+0.5TV_GNL_A	PC	N	LC	PC	-	OM	-	-	-	-	KELAR	-	-
04:21	-	CIPRESES-3	CIPRESES_sinv	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION	-	PC
04:24	-	COLBUN-2	COLBUN_sinv	MT	DN	-	PS	-	OM	-	-	A	-	COLBUN	-	
04:25	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	MT
04:28	-	COLBUN-2	COLBUN_sinv	0	DN	-	FS	-	OM	-	-	A	-	COLBUN	-	
05:27	-	ANGOSTURA-1	RALCO_sinv	PC	RO	-	PC	-	RE	-	-	-	IL 2021001568	COLBUN	-	PC
05:50	-	ANGOSTURA-2	RALCO_sinv	-	DN	-	PP	-	RE	-	-	-	-	COLBUN	-	
05:54	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	COLBUN	-	MT
06:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_B	PC	RO	LC	PC	MTP	OM	Cambio de combustible de GNL_A a GNL_B.	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION	-	-
06:06	-	PEHUENCHE-1	PEHUENCHE	200	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION	-	
06:06	-	NEHUENCO-2	NEHUENCO-2_TG1+TV1_GNL_D	PC	N	LC	PC	-	OM	Con SSCC.	-	-	-	COLBUN	-	PC
06:09	-	ANGOSTURA-2	RALCO_sinv	PC	N	-	PC	-	RE	-	-	-	-	COLBUN	-	PC
06:38	-	PEHUENCHE-1	PEHUENCHE	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION	-	PC
06:50	-	PEHUENCHE-2	PEHUENCHE	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION	-	
07:00	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	MT
07:08	-	PEHUENCHE-2	PEHUENCHE	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION	-	PC
07:14	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	COLBUN	-	MT
07:26	-	ANGOSTURA-1	RALCO_sinv	MT	RO	-	MT	-	RE	-	-	-	IL 2021001568	COLBUN	-	MT
07:42	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION	-	MT
07:51	-	PEHUENCHE-2	PEHUENCHE	150	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION	-	
08:00	-	NEHUENCO-2	NEHUENCO-2_TG1+TV1_GNL_D	MT	N	LC	MT	-	OM	Control Suministro combustible.	-	-	-	COLBUN	-	MT
08:00	-	CIPRESES-3	CIPRESES_sinv	0	DN	-	FS	-	OM	Cambio en La Política de Precios	-	N	-	ENEL GENERACION	-	
08:00	-	SANISIDRO-1	SANISIDRO-1_TG1+TV1_GNL_A	-	N	LC	PC	-	OM	Cambio en La Política de Precios	-	-	-	ENEL GENERACION	-	
08:00	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	PC	N	LC	PC	-	OM	Cambio en La Política de Precios	-	-	-	ENEL GENERACION	-	PC
08:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_B		RO	LC	PS	MTP	OM	-	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION	-	-

24-08-2021	Ultima Actualización:	24-08-2021	23:57	CMG-Online:	115.0	Quillota_220 kV:	SANISIDRO-1_TG1+TV1_GNL_A									SS.CC.	
Hora Movi.	Equipo /	Central-Unidad	Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de		SSCC	BASEPOINT
0:00	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control		Activo	
08:00	-	ANGAMOS-ANG2	ANGAMOS-ANG2_CAR	-	PO	-	EP	-	EP	-	-	-	SI 2021072353	AES ANDES		-	-
08:00	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_B		N	LC	PC	-	OM	Cambio de combsutible de GNL A a GNL B	-	-	-	ENGIE GENERACION		-	-
08:03	-	PEHUENCHE-1	PEHUENCHE	PC	N	-	PC	-	OM	-	-	N		ENEL GENERACION		-	PC
08:05	-	COLIHUES-1	COLIHUES-1_HFO	-	DRO	DLC	FS	MTP	OM	No solicitada por tiempo de partida	-	-	IL 2021001545	ENOR CHILE		-	
08:06	-	PEHUENCHE-2	PEHUENCHE	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
08:13	-	RAPEL-2	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
08:16	-	RAPEL-2	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
08:22	-	RAPEL-4	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
08:26	-	RALCO-2	RALCO_sinv	-	DRO	-	PP	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
08:26	-	RAPEL-4	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
08:31	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1_GNL_B		RO	LC	PS	MTP	OM	F/S TV	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
08:34	-	RALCO-2	RALCO_sinv	MT	N	-	MT	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	MT
08:35	-	CONSTITUCION	CONSTITUCION_DIESEL	-	DN	DLC	PP	-	OM	-	Ctx Transformador N° 1 Constituciónde 66/23 MVA de S/E 20 MVA	-	-	ELEKTRAGEN CONSTITUCION		-	
08:38	-	CONSTITUCION	CONSTITUCION_DIESEL	1.5	N	LC	CI	-	OM	Inicia Ctx Transformador N° 1 Constituciónde 66/23 MVA de S/E 20 MVA	Ctx Transformador N° 1 Constituciónde 66/23 MVA de S/E 20 MVA	-	-	ELEKTRAGEN CONSTITUCION		-	
08:39	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1_GNL_B		DRO	DLC	FS	MTP	OM		-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
09:00	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG On-Line	-	-	-	CDC			
09:00	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A		N	LC	PC	-	OM	Cambio de combustible de GNL B a GNL A.	-	-	-	ENGIE GENERACION		-	-
09:06	-	ANGOSTURA-1	RALCO_sinv	PC	RO	-	PC	-	RE	-	-	-	IL 2021001568	COLBUN		-	PC
09:07	-	RALCO-2	RALCO_sinv	200	N	-	CI	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
09:12	-	TOTAL ERNC	-	-42	-	-	-	-	-	Inicio prorrata control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	-	CDC		-	-
09:12	-	PE-TAL TAL	PE-TAL TAL	79	N	-	CI	-	OM	-	control control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	ENEL GREEN POWER		-	-
09:12	-	PFV-CONEJO	PFV-CONEJO	81	N	-	CI	-	OM	-	control control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	ENOR CHILE		-	-
09:12	-	PFV-LALAKAMA	PFV-LALAKAMA	45.2	N	-	CI	-	OM	-	control control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	ENEL GREEN POWER		-	-
09:12	-	PFV-PAMPA SOLAR NORTE	PFV-PAMPA SOLAR NORTE	54.8	N	-	CI	-	OM	-	control control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	ENEL GREEN POWER		-	-
09:12	-	PFV-PAMPA SOLAR NORTE	PFV-PAMPA SOLAR NORTE	54.8	N	-	CI	-	OM	-	control control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	ENEL GREEN POWER		-	-
09:20	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	PS	-	RE	-	-	-	-	COLBUN		-	
09:23	-	ANGOSTURA-2	RALCO_sinv	0	DN	-	FS	-	RE	-	-	-	-	COLBUN		-	
09:33	-	RALCO-2	RALCO_sinv	PC	N	-	PC	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	PC
09:37	-	RAPEL-2	RAPEL	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
09:39	-	RAPEL-2	RAPEL	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
09:40	-	ANGOSTURA-1	RALCO_sinv	MT	RO	-	MT	-	RE	-	-	-	IL 2021001568	COLBUN		-	MT
09:46	-	RALCO-2	RALCO_sinv	270	N	-	CI	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
09:51	-	RALCO-2	RALCO_sinv	200	N	-	CI	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
09:52	-	RAPEL-4	RAPEL	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
09:55	-	RAPEL-4	RAPEL	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
10:00	-	SANISIDRO-1	SANISIDRO-1_TG1+TV1_GNL_E	PC	N	LC	PC	-	OM	Cambio de Combustible de GNL A a GNL E.	-	-	-	ENEL GENERACION		-	PC
10:01	-	RALCO-2	RALCO_sinv	MT	N	-	MT	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	MT
10:08	-	PEHUENCHE-1	PEHUENCHE	150	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION		-	
10:20	-	PEHUENCHE-2	PEHUENCHE	150	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION		-	
10:20	-	KELAR-TG2	KELAR-TG2_TG2+0.5TV_DIESEL	MT	N	LC	MT	-	OM	Cambio de Combustible de GNL A a Diesel.	-	-	-	KELAR		-	
10:30	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION		-	MT
10:33	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
10:38	-	MEJILLONES-CTM1	MEJILLONES-CTM1_CAR		LF	-	MT	PCP	OM	Inicia Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001748 - IL 2021002011	ENGIE GENERACION		-	
10:38		NORGENER-NTO2	NORGENER-NTO2_CAR		N	-	MT	-	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	-	AES ANDES		-	-
10:38		NORGENER-NTO1	NORGENER-NTO1_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021000072	AES ANDES		-	-
10:38	-	TOCOPILLA-U14	TOCOPILLA-U14_CAR	MT	LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021000609 - IL 2021000554 - IL 2021000547	ENGIE GENERACION		-	
10:38	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	MT	LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021000376	ENGIE GENERACION		-	
10:40	-	PEHUENCHE-2	PEHUENCHE	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
10:42	-	MEJILLONES-CTM1	MEJILLONES-CTM1_CAR		DF	-	FS	PCP	SIF	-	-	-	IF 2021002384 - IL 2021001748 - IL 2021002011	ENGIE GENERACION		-	
10:45	-	ANGAMOS-ANG2	ANGAMOS-ANG2_CAR	PC	N	-	PC	-	OM	Cancelada SI 2021072353	-	-		AES ANDES		-	-
10:58	-	RALCO-2	RALCO_sinv	MT	N	-	PS	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
11:02	-	RALCO-2	RALCO_sinv	0	DP	-	FS	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
11:09	-	TOTAL ERNC	-	-62	-	-	-	-	-	Inicio prorrata control Línea de 220 kV Salar - Calama	-	-	-	CDC		-	-
11:09	-	PE-VALLEDELOSVIENTOS	PE-VALLEDELOSVIENTOS	41.6	N	-	CI	-	OM	-	Control Línea de 220 kV Salar - Calama	-	-	ENEL GREEN POWER		-	-
11:09	-	PFV-USYA	PFV-USYA	41	N	-	CI	-	OM	-	Control Línea de 220 kV Salar - Calama	-	-	ACCIONA		-	-
11:09	-	PFV-JAMA-1	PFV-JAMA-1	19.7	N	-	CI	-	OM	-	Control Línea de 220 kV Salar - Calama	-	-	ENOR CHILE		-	-
11:09	-	PFV-JAMA-2	PFV-JAMA-2	13.5	N	-	CI	-	OM	-	Control Línea de 220 kV Salar - Calama	-	-	ENOR CHILE		-	-
11:09	-	PFV-SANPEDRO	PFV-SANPEDRO	70.3	N	-	CI	-	OM	-	Control Línea de 220 kV Salar - Calama	-	-	ENOR CHILE		-	-
11:10	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
11:16		ANDINA-CTA	ANDINA-CTA_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021002011	ENGIE		-	-
11:16		HORNITOS-CTH	HORNITOS-CTH_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021002017	ENGIE GENERACION		-	-
11:16		GUACOLDA-2	GUACOLDA-2_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001973	AES ANDES		-	-
11:16		GUACOLDA-1	GUACOLDA-1_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001247	AES ANDES		-	-
11:16	-	GUACOLDA-4	GUACOLDA-4_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001619	AES ANDES		-	
11:16	-	GUACOLDA-5	GUACOLDA-5_CAR		LF	-	MT	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001619	AES ANDES		-	
11:16	-	COCHRANE-CCH1	COCHRANE-CCH1_CAR		N	-	CI		OM		Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-		AES ANDES		-	
11:16		COCHRANE-CCH2	COCHRANE-CCH2_CAR		N	-	CI	-	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	-	AES ANDES		-	-
11:18	-	COLIHUES-1	COLIHUES-1_HFO	PC	PO	LC	EP	MTP	EP	Prueba SD 2021072463	-	-	SD 2021072463	ENOR CHILE		-	PC

24-08-2021	Ultima Actualización:	24-08-2021	23:57	CMG-Online:	115.0	Quillota_220 kV:	SANISIDRO-1_TG1+TV1_GNL_A									SS.CC.	
Hora Movi.	Equipo /	Central-Unidad	Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de		SSCC	BASEPOINT
0:00	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control		Activo	
11:20	-	PEHUENCHE-1	PEHUENCHE	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
12:00	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION		-	MT
12:00		NEHUENCO-2	NEHUENCO-2_TG1+TV1_GNL_D	MT	N	LC	MT	-	OM	-				COLBUN		PC	MT
12:00		NEHUENCO-1	NEHUENCO-1_TG1+TV1_GNL_D	MT	N	LC	MT	-	OM	-				COLBUN		PC	MT
12:00	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A		N	LC	PS	-	OM	-	-	-	-	ENGIE GENERACION		-	-
12:13	-	ANGAMOS-ANG2	ANGAMOS-ANG2_CAR	PC	PO	-	EP	-	EP	Pruebas de modulación de carga por sintonía de caldera	-	-	SI 2021071889.	AES ANDES		-	-	
12:14	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1_GNL_A		N	LC	PS	-	OM	F/S TV	-	-	-	ENGIE GENERACION		-	-
12:18	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	PC	N	LC	PC	-	OM	-	-	-	-	ENEL GENERACION		-	PC
12:18		NEHUENCO-2	NEHUENCO-2_TG1+TV1_GNL_D	MT	N	LC	MT	-	OT	Control Suministro combustible.				COLBUN		PC	MT
12:18		NEHUENCO-1	NEHUENCO-1_TG1+TV1_GNL_D	MT	N	LC	MT	-	OT	Control Suministro combustible.				COLBUN		PC	MT
12:20	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1_GNL_A		DN	DLC	FS	-	OM	-	-	-	-	ENGIE GENERACION		-	-
12:22	-	PEHUENCHE-2	PEHUENCHE	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
12:30	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION		-	MT
13:00	-	NEHUENCO-2	NEHUENCO-2_TG1+TV1_GNL_D	PC	N	LC	PC	-	OM	Disponibilidad de GNL-D con SSCC	-	-	-	COLBUN		-	PC
13:00	-	COCHRANE-CCH1	COCHRANE-CCH1_CAR		N	-	PC		OM		Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-		AES ANDES		-	
13:00		COCHRANE-CCH2	COCHRANE-CCH2_CAR		N	-	PC	-	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	-	AES ANDES		-	-
13:00		GUACOLDA-2	GUACOLDA-2_CAR		LF	-	PC	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001973	AES ANDES		-	-
13:00		GUACOLDA-1	GUACOLDA-1_CAR		LF	-	PC	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001247	AES ANDES		-	-
13:00	-	GUACOLDA-4	GUACOLDA-4_CAR		LF	-	PC	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001619	AES ANDES		-	
13:00	-	GUACOLDA-5	GUACOLDA-5_CAR		LF	-	PC	PCP	OM	-	Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	IL 2021001619	AES ANDES		-	
13:00	-	SANISIDRO-1	SANISIDRO-1_TG1+TV1_GNL_A	PC	N	LC	PC	-	OM	Cambio de Combustible de GNL_E a GNL_A.	-	-	-	ENEL GENERACION		-	PC
13:23	-	CANUTILLAR-1	CANUTILLAR	MT	N	-	PS	-	OM	Fin SSCC	-	N	-	COLBUN		-	
13:27	-	CANUTILLAR-1	CANUTILLAR	0	DN	-	FS	-	OM	-	-	N	-	COLBUN		-	
13:37	-	NUEVARENCA	NUEVARENCA_TG1+TV1_DIESEL	260	PO	LC	CI	-	OM	SI 2021072253	-	-	IL 2020001697 - SI 2021072253	GENERADORA METROPOLITANA		-	
13:41	-	PEHUENCHE-2	PEHUENCHE	240	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION		-	
13:45		NORGENER-NTO2	NORGENER-NTO2_CAR		N	-	PC	-	OM	Finaliza Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	Finaliza Ctx Lt 500 kV Nva. Pan de Azúcar - Polpaico.	-	-	AES ANDES		-	-
13:45		NORGENER-NTO1	NORGENER-NTO1_CAR		LF	-	PC	PCP	OM	-	-	-	IL 2021000072	AES ANDES		-	-
13:45	-	TOCOPILLA-U14	TOCOPILLA-U14_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000609 - IL 2021000554 - IL 2021000547	ENGIE GENERACION		-	
13:45	-	TOCOPILLA-U15	TOCOPILLA-U15_CAR	PC	LF	-	PC	PCP	OM	-	-	-	IL 2021000376	ENGIE GENERACION		-	
13:45		ANDINA-CTA	ANDINA-CTA_CAR		LF	-	PC	PCP	OM	-		-	IL 2021002011	ENGIE		-	-
13:45		HORNITOS-CTH	HORNITOS-CTH_CAR		LF	-	PC	PCP	OM	-	-	-	IL 2021002017	ENGIE GENERACION		-	-
14:06	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION		-	MT
14:06	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION		-	MT
14:20	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A		DN	DLC	PP	-	OM	-	-	-	-	ENGIE GENERACION		-	-
14:45	-	ANGOSTURA-1	RALCO_sinv	PC	RO	-	PC	-	RE	-	-	-	IL 2021001568	COLBUN		-	PC
14:47	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	PC	N	LC	PC	-	OM	-	-	-	-	ENEL GENERACION		-	PC
14:58	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1_GNL_A		N	LC	PMT	-	OM	Sincronizada	-	-	-	ENGIE GENERACION		-	-
14:59	-	TOTAL ERNC	-	-	-	-	-	-	-	Finaliza prorrata control L. 220 kV Francisco - Diego de Almagro y Cachiyuyal - Diego de Almagro.	-	-	-	CDC		-	-
15:13	-	PEHUENCHE-2	PEHUENCHE	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
15:22	-	RAPEL-1	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
15:26	-	RAPEL-1	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
15:30	-	RAPEL-2	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
15:31	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_A	-	DRO	DLC	PP	MTP	OM	-	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
15:33	-	RAPEL-2	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
15:42	-	ANGOSTURA-1	RALCO_sinv	MT	RO	-	MT	-	RE	-	-	-	IL 2021001568	COLBUN		-	MT
15:56	-	LAUTARO-1	LAUTARO-1_BL1+BL2_COGEN	-	PO	-	EP	-	EP	-	-	-	2021073111	COMASA		-	
16:02	-	RAPEL-3	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
16:05	-	RAPEL-3	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
16:05	-	RALCO-1	RALCO_sinv	-	DRO	-	PP	-	OM	-	-	N	IL 2021001531	ENEL GENERACION		-	
16:10	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	-	N	LC	PMT	-	OM	E/S CTM3 TV	-	-	-	ENGIE GENERACION		-	-
16:12	-	ANGOSTURA-1	RALCO_sinv	PC	RO	-	PC	-	RE	-	-	-	IL 2021001568	COLBUN		-	PC
16:13	-	RALCO-1	RALCO_sinv	MT	RO	-	MT	-	OM	-	-	N	IL 2021001531	ENEL GENERACION		-	MT
16:14	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1_GNL_A	-	RO	LC	PMT	MTP	OM	Sincronizada	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
16:20	-	RALCO-1	RALCO_sinv	200	RO	-	CI	-	OM	-	-	N	IL 2021001531	ENEL GENERACION		-	
16:22	-	MEJILLONES-CTM3	MEJILLONES-CTM3_TG1+TV1_GNL_A	PC	N	LC	PC	-	OM	-	-	-	-	ENGIE GENERACION		-	-
16:29	-	PEHUENCHE-1	PEHUENCHE	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
16:30	-	NUEVARENCA	NUEVARENCA_TG1+TV1_DIESEL	MT	RO	LC	MT	-	OM	Cancela SI 2021072253	-	-	IL 2020001697	GENERADORA METROPOLITANA		-	MT
16:38	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION		-	MT
16:40	-	CANUTILLAR-2	CANUTILLAR	0	DN	-	FS	-	OM	-	-	N	-	COLBUN		-	
16:40	-	PEHUENCHE-1	PEHUENCHE	200	N	-	CI	-	OM	-	-	N	-	ENEL GENERACION		-	
16:43	-	COLBUN-1	COLBUN_sinv	-	DN	-	PP	-	OM	-	-	A	-	COLBUN		-	
16:43	-	COLIHUES-1	COLIHUES-1_HFO	MT	RO	LC	MT	MTP	OM	Cancela SD 2021072463	-	-	IL 2021001545	ENOR CHILE		-	
16:45	-	RAPEL-4	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
16:48	-	RAPEL-4	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
16:53	-	TRINCAO	TRINCAO_DIESEL	-	DLF	DLC	PP	PCP	OM	-	Ctx Lt 220 kV Rahue - Puerto Montt	-	IL 2021002025	CRELL		-	
16:55	-	COLBUN-1	COLBUN_sinv	MT	N	-	MT	-	OM	-	-	A	-	COLBUN		-	MT
16:55	-	HORNITOS-CTH	HORNITOS-CTH_CAR	110	LF	-	PC	PCP	SICF	-	-	-	SICF 2021074013	ENGIE GENERACION		-	-
16:56	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_A	-	RO	LC	PMT	MTP	OM	E/S U16 TV	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
16:57	-	RALCO-2	RALCO_sinv	-	DN	-	PP	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
16:59	-	CONSTITUCION	CONSTITUCION_DIESEL	MT	N	LC	PS	-	OM	Finaliza Ctx Transformador N° 1 Constitucióndе 66/23 MVA de S/E 20 MVA	Ctx Transformador N° 1 Constitucióndе 66/23 MVA de S/E 20 MVA	-	-	ELEKTRAGEN CONSTITUCION		-	
17:03	-	CONSTITUCION	CONSTITUCION_DIESEL	0	DN	DLC	FS	-	OM	-	-	-	-	ELEKTRAGEN CONSTITUCION		-	
17:05	-	RALCO-2	RALCO_sinv	MT	N	-	MT	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	MT
17:17	-	TRINCAO	TRINCAO_DIESEL	PC	LF	LC	PC	PCP	OM	Inicia Ctx Lt 220 kV Rahue - Puerto Montt	Ctx Lt 220 kV Rahue - Puerto Montt	-	IL 2021002025	CRELL		-	
17:18	-	PANGUE-1	RALCO_sinv	180	N	-	CI	-	RE	-	-	-	-	ENEL GENERACION		-	

24-08-2021	Ultima Actualización:	24-08-2021	23:57	CMG-Online:	115.0	Quillota_220 kV:	SANISIDRO-1_TG1+TV1_GNL_A									SS.CC.	
Hora Movi.	Equipo /	Central-Unidad	Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de		SSCC	BASEPOINT
0:00	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control		Activo	
17:23	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_A	PC	RO	LC	PC	MTP	OM	-	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
17:24	-	LAUTARO-1	LAUTARO-1 BL1+BL2 COGEN	PC	N	-	PC	-	OM	Cancela SDCF 2021073111	-	-	-	COMASA		-	PC
17:26	-	TOTAL ERNC	-	-	-	-	-	-	-	Finaliza prorrata control Linea de 220 kV Salar - Calama	-	-	-	CDC		-	-
17:31	-	RALCO-2	RALCO_sinv	150	N	-	CI	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
17:41	-	PANGUE-2	RALCO_sinv	-	DN	-	PP	-	RE	-	-	-	-	ENEL GENERACION		-	
17:41	-	RAPEL-5	RAPEL	-	DN	-	PP	-	OM	-	-	N	-	ENEL GENERACION		-	
17:43	-	COLBUN-2	COLBUN_sinv	-	DN	-	PP	-	OM	-	-	A	-	COLBUN		-	
17:46	-	RAPEL-5	RAPEL	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
17:47	-	PEHUENCHE-1	PEHUENCHE	PC	N	-	PC	-	OM	-	-	N	-	ENEL GENERACION		-	PC
17:47	-	PANGUE-2	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	ENEL GENERACION		-	MT
17:52	-	RALCO-2	RALCO_sinv	200	N	-	CI	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
17:52	-	ANGAMOS-ANG2	ANGAMOS-ANG2_CAR	PC	N	-	PC	-	OM	Cancelada SI 2021071889.	-	-	-	AES ANDES		-	PC
17:53	-	COLBUN-2	COLBUN_sinv	MT	N	-	MT	-	OM	-	-	A	-	COLBUN		-	MT
17:55	-	CIPRESES-3	CIPRESES_sinv	-	DN	-	PP	-	OM	-	-	N		ENEL GENERACION		-	
18:00	-	VENTANAS-2	VENTANAS-2_CAR	-	LF	LC	PC	PCP	OM	-	Inicio Ctx Lt 110 kV Quillota - San Pedro	-	IL XXXXX - IL 20210002022	AES ANDES		-	
18:00	-	CIPRESES-3	CIPRESES_sinv	PC	N	-	PC	-	OM	Por cambio en política de precios	-	N	-	ENEL GENERACION		-	PC
18:00	-	CANUTILLAR-1	CANUTILLAR	-	DN	-	FS	-	OM	No solicitada por control cota objetivo	-	N	-	COLBUN		-	
18:00	-	CANUTILLAR-2	CANUTILLAR	-	DN	-	FS	-	OM	No solicitada por control cota objetivo	-	N	-	COLBUN		-	
18:00	-	ATACAMA-1TG1A	ATACAMA-1TG1A_TG1A+0.5TV1_GNL_B	PC	RO	LC	PC	-	OM	Cambio en La Política de Precios	-	-	IL 2021001953	ENEL GENERACION		-	PC
18:00	-	ATACAMA-2TG2B	ATACAMA-2TG2B_TG2B+0.5TV2_GNL_B	PC	RO	LC	PC	-	OM	Cambio en La Política de Precios	-	-	IL 2021001953	ENEL GENERACION		-	PC
18:00	-	KELAR-TG2	KELAR-TG2_TG2+0.5TV_DIESEL	PC	N	LC	PC	-	OM	Cambio en La Política de Precios	-	-	-	KELAR		-	PC
18:01	-	PANGUE-2	RALCO_sinv	PC	N	-	PC	-	RE	-	-	-	-	ENEL GENERACION		-	
18:05	-	NUEVARENCA	NUEVARENCA_TG1+TV1_DIESEL	-	RO	LC	PC	-	OM	-	-	-	IL 2020001697	GENERADORA METROPOLITANA		-	
18:05	-	COLIHUES-1	COLIHUES-1_HFO	PC	RO	LC	PC	MTP	OM	-	-	-	IL 2021001545	ENOR CHILE		-	PC
18:07	-	LOSPINOS	LOSPINOS_DIESEL	-	DN	DLC	PP	-	OM	-	-	-	-	COLBUN		-	
18:09	-	RALCO-2	RALCO_sinv	PC	N	-	PC	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	PC
18:16	-	ANGAMOS-ANG2	ANGAMOS-ANG2_CAR	220	LF	-	PC	PCP	OM	-	-	-	IL 2021002026	AES ANDES		-	-
18:21	-	LOSPINOS	LOSPINOS_DIESEL	PC	N	LC	PC	-	OM	-	-	-	-	COLBUN		-	PC
18:21	-	CMPCPACIFICO	CMPCPACIFICO_BL1+BL2+BL3_COGEN	-	N	-	PC	-	OM	-	-	-	-	SANTA FE		-	
18:37	-	TALTAL-2	TALTAL-2_GNL_B	-	DN	DLC	PP	-	OM	-	-	-	-	ENEL GENERACION		-	-
18:39	-	COLMITO	COLMITO_DIESEL	-	DLF	DLC	PP	PCP	OM	-	Ctx Lt 110 kV Quillota - San Pedro	-	IL 2021001517	CARDONES		-	
18:45	-	ANGOSTURA-3	RALCO_sinv	-	DN	-	PP	-	OM	-	-	-	-	COLBUN		-	
18:48	-	ANGOSTURA-3	RALCO_sinv	PC	N	-	PC	-	OM	-	-	-	-	COLBUN		-	PC
18:53	-	COLMITO	COLMITO_DIESEL	MT	LF	LC	MT	PCP	OM	-	Ctx Lt 110 kV Quillota - San Pedro	-	IL 2021001517	CARDONES		-	MT
18:55	-	TALTAL-2	TALTAL-2_GNL_B	-	N	LC	PMT	-	OM	-	-	-	-	ENEL GENERACION		-	-
19:00	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_E	PC	N	LC	PC	-	OM	Cambio de combustible de GNL_A a GNL_E	-	-	-	ENEL GENERACION		-	PC
19:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_B	PC	RO	LC	PC	MTP	OM	Cambio de combustible de GNL_A a GNL_B.	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	PC
19:05	-	TALTAL-2	TALTAL-2_GNL_B	PC	N	LC	PC	-	OM	-	-	-	-	ENEL GENERACION		-	-
19:15	-	TRAPEN	TRAPEN_DIESEL	-	DLF	DLC	PP	PCP	OM	-	Ctx Lt 220 kV Rahue - Puerto Montt	-	IL 2021001036	ENLASA		-	
19:17	-	TRAPEN	TRAPEN_DIESEL	15	LF	LC	CI	PCP	OM	-	Ctx Lt 220 kV Rahue - Puerto Montt	-	IL 2021001036	ENLASA		-	
19:25	-	TRAPEN	TRAPEN_DIESEL	30	LF	LC	CI	PCP	OM	-	Ctx Lt 220 kV Rahue - Puerto Montt	-	IL 2021001036	ENLASA		-	
19:34	-	TALTAL-1	TALTAL-1_GNL_B	-	DRO	DLC	PP	-	OM	-	-	-	IL 2021001458	ENEL GENERACION		-	-
19:41	-	MEJILLONES-CTM1	MEJILLONES-CTM1_CAR	-	PO	-	EP	PCP	EP	-	-	-	IF 2021002384 - IL 2021002011	ENGIE GENERACION		-	-
19:49	-	TALTAL-1	TALTAL-1_GNL_B	-	RO	LC	PMT	-	OM	-	-	-	IL 2021001458	ENEL GENERACION		-	-
19:53	-	TRAPEN	TRAPEN_DIESEL	15	LF	LC	CI	PCP	OM	-	Ctx Lt 220 kV Rahue - Puerto Montt	-	IL 2021001036	ENLASA		-	
20:00	-	ANGAMOS-ANG2	ANGAMOS-ANG2_CAR	PC	N	-	PC	PCP	OM	Cancelada IL 2021002026	-	-	-	AES ANDES		-	-
20:03	-	ANGOSTURA-3	RALCO_sinv	0	DN	-	FS	-	OM	-	-	-	-	COLBUN		-	
20:03	-	ANGOSTURA-1	RALCO_sinv	MT	RO	-	MT	-	RE	-	-	-	IL 2021001568	COLBUN		-	MT
20:16	-	TALTAL-1	TALTAL-1_GNL_B	PC	RO	LC	PC	-	OM	-	-	-	IL 2021001458	ENEL GENERACION		-	-
20:29	-	CANUTILLAR-1	CANUTILLAR	-	DN	-	PP	-	OM	-	-	N	-	COLBUN		-	
20:29	-	CANUTILLAR-2	CANUTILLAR	-	DN	-	PP	-	OM	-	-	N	-	COLBUN		-	
20:34	-	RAPEL-1	RAPEL	MT	N	-	MT	-	OM	Por control cota objetivo	-	N	-	ENEL GENERACION		-	MT
20:34	-	RAPEL-2	RAPEL	MT	N	-	MT	-	OM	Por control cota objetivo	-	N	-	ENEL GENERACION		-	MT
20:35	-	CANUTILLAR-1	CANUTILLAR	MT	N	-	MT	-	OM	-	-	N	-	COLBUN		-	MT
20:35	-	TRAPEN	TRAPEN_DIESEL	MT	LF	LC	PS	PCP	OM	Finaliza Ctx Lt 220 kV Rahue - Puerto Montt	-	-	IL 2021001036	ENLASA		-	
20:35	-	TRINCAO	TRINCAO_DIESEL	MT	LF	LC	PS	PCP	OM	Finaliza Ctx Lt 220 kV Rahue - Puerto Montt	-	-	IL 2021002025	CRELL		-	
20:37	-	TRAPEN	TRAPEN_DIESEL	0	DLF	DLC	FS	PCP	OM	-	-	-	IL 2021001036	ENLASA		-	
20:38	-	CANUTILLAR-2	CANUTILLAR	MT	N	-	MT	-	OM	-	-	N	-	COLBUN		-	MT
20:39	-	TRINCAO	TRINCAO_DIESEL	0	DLF	DLC	FS	PCP	OM	-	-	-	IL 2021002025	CRELL		-	
20:42	-	RAPEL-3	RAPEL	MT	N	-	MT	-	OM	Por control cota objetivo	-	N	-	ENEL GENERACION		-	MT
20:42	-	RAPEL-4	RAPEL	MT	N	-	MT	-	OM	Por control cota objetivo	-	N	-	ENEL GENERACION		-	MT
20:52	-	RAPEL-1	RAPEL	0	DN	-	FS	-	OM	Por control cota objetivo	-	N	-	ENEL GENERACION		-	
21:10	-	PANGUE-2	RALCO_sinv	170	N	-	CI	-	RE	-	-	-	-	ENEL GENERACION		-	
21:17	-	PANGUE-1	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	ENEL GENERACION		-	
21:43	-	TALTAL-1	TALTAL-1_GNL_B	80	RO	LC	CI	-	OM	-	-	-	IL 2021001458	ENEL GENERACION		-	-
21:57	-	TALTAL-1	TALTAL-1_GNL_B	-	RO	LC	PS	-	OM	-	-	-	IL 2021001458	ENEL GENERACION		-	-
22:00	-	TRINCAO	TRINCAO_DIESEL	0	DLF	DLC	FS	PCP	OM	Cancelada IL 2021002025.	-	-	IL 2021002028	CRELL		-	
22:00	-	PANGUE-2	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	ENEL GENERACION		-	
22:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_A	PC	RO	LC	PC	MTP	OM	Cambio de combustible de GNL_B a GNL_A.	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
22:03	-	ANGOSTURA-1	RALCO_sinv	PC	RO	-	PC	-	RE	-	-	-	IL 2021001568	COLBUN		-	PC
22:11	-	TALTAL-1	TALTAL-1_GNL_B	0	DRO	DLC	FS	-	OM	-	-	-	IL 2021001458	ENEL GENERACION		-	-
22:25	-	CANUTILLAR-1	CANUTILLAR	60	N	-	CI	-	OT	Línea de 220 kV Canutillar - Puerto Montt 2 con solicitud de desconexión de curso forzoso. Causa informada: Por nevadas en la zona se mantendrá en servicio línea 220kV Canutillar - Puerto Montt 1. Según SDCF 2021074020.		N	-	COLBUN		-	

24-08-2021	Ultima Actualización:	24-08-2021	23:57	CMG-Online:	115.0	Quillota_220 kV:	SANISIDRO-1_TG1+TV1_GNL_A									SS.CC.	
Hora Movi.	Equipo /	Central-Unidad	Configuración	Despacho	Estado	EO	Consigna	Consigna	Instrucción Cmg	Motivo	Zona Desacople	Condición	Neomante	Centro de		SSCC	BASEPOINT
0:00	Instalación			Requerido (MW)	Operacional	Combustibles	Cmg	Limitación	Condición	Comentario		del Embalse		Control		Activo	
22:26	-	CANUTILLAR-2	CANUTILLAR	62	N	-	CI	-	OT	Línea de 220 kV Canutillar - Puerto Montt 2 con solicitud de desconexión de curso forzoso. Causa informada: Por nevadas en la zona se mantendrá en servicio línea 220kV Canutillar - Puerto Montt 1. Según SDCF 2021074020.		N	-	COLBUN		-	
22:35	-	CANUTILLAR-2	CANUTILLAR	55	N	-	CI	-	OT	Línea de 220 kV Canutillar - Puerto Montt 2 con solicitud de desconexión de curso forzoso. Causa informada: Por nevadas en la zona se mantendrá en servicio línea 220kV Canutillar - Puerto Montt 1. Según SDCF 2021074020.		N	-	COLBUN		-	
22:40	-	LOSPINOS	LOSPINOS_DIESEL	MT	N	LC	PS	-	OM	-	-	-	-	COLBUN		-	MT
22:40	-	NUEVARENCA	NUEVARENCA_TG1+TV1_DIESEL	MT	RO	LC	MT	-	OM	-	-	-	IL 2020001697 - SD 2021072253	GENERADORA METROPOLITANA		-	MT
22:40	-	CMPCPACIFICO	CMPCPACIFICO_BL1+BL2_COGEN	PC	N	-	PC	-	OM	-	-	-	-	SANTA FE		-	PC
22:40	-	TALTAL-2	TALTAL-2_GNL_B	-	N	LC	PS	-	OM	-	-	-	-	ENEL GENERACION		-	-
22:40	-	COLIHUES-1	COLIHUES-1_HFO	MT	RO	LC	MT	MTP	OM	-	-	-	IL 2021001545	ENOR CHILE		-	MT
22:46	-	ANGOSTURA-2	RALCO_sinv	-	DN	-	PP	-	RE	-	-	-	-	COLBUN		-	
22:50	-	ANGOSTURA-2	RALCO_sinv	MT	N	-	MT	-	RE	-	-	-	-	COLBUN		-	MT
22:51	-	LOSPINOS	LOSPINOS_DIESEL	0	DN	DLC	FS	-	OM	-	-	-	-	COLBUN		-	
22:53	-	RAPEL-2	RAPEL	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
22:53	-	RAPEL-3	RAPEL	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
22:53	-	RAPEL-4	RAPEL	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
22:55	-	TALTAL-2	TALTAL-2_GNL_B	0	DN	DLC	FS	-	OM	F/S	-	-	-	ENEL GENERACION		-	-
22:56	-	RAPEL-2	RAPEL	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
22:57	-	RAPEL-3	RAPEL	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
22:57	-	RAPEL-4	RAPEL	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
22:59	-	RALCO-2	RALCO_sinv	MT	RO	-	MT	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	MT
23:00	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	PC	N	LC	PC	-	OM	Cambio de Combustible de GNL_E a GNL_A.	-	-	-	ENEL GENERACION		-	PC
23:00	-	TOCOPILLA-U16	TOCOPILLA-U16_TG1+TV1_GNL_B	PC	RO	LC	PC	MTP	OM	Cambio de combustible de GNL_A a GNL_B.	-	-	IL 2021001511 - IL 2021001815	ENGIE GENERACION		-	-
23:08	-	VENTANAS-2	VENTANAS-2_CAR	MT	LF	LC	MT	PCP	OT	Control Suministro combustible.	-	-	IL XXXXX - IL 2021002022	AES ANDES		-	MT
23:10	-	RALCO-1	RALCO_sinv	MT	RO	-	MT	-	OM	-	-	N	IL 2021001531	ENEL GENERACION		-	MT
23:24	-	RALCO-2	RALCO_sinv	MT	RO	-	PS	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
23:24	-	CIPRESES-3	CIPRESES_sinv	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
23:26	-	RALCO-2	RALCO_sinv	0	DRO	-	FS	-	OM	-	-	N	IL 2021001131	ENEL GENERACION		-	
23:29	-	ANGOSTURA-2	RALCO_sinv	PC	N	-	PC	-	RE	-	-	-	-	COLBUN		-	PC
23:32	-	CIPRESES-3	CIPRESES_sinv	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
23:46	-	PEHUENCHE-1	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION		-	MT
23:46	-	PEHUENCHE-2	PEHUENCHE	MT	N	-	MT	-	OM	-	-	N	-	ENEL GENERACION		-	MT
23:46	-	SANISIDRO-2	SANISIDRO-2_TG1+TV1_GNL_A	MT	N	LC	MT	-	OM	-	-	-	-	ENEL GENERACION		-	MT
23:46	-	RAPEL-5	RAPEL	MT	N	-	PS	-	OM	-	-	N	-	ENEL GENERACION		-	
23:46	-	RALCO-1	RALCO_sinv	MT	RO	-	PS	-	OM	-	-	N	IL 2021001531	ENEL GENERACION		-	
23:50	-	RAPEL-5	RAPEL	0	DN	-	FS	-	OM	-	-	N	-	ENEL GENERACION		-	
23:58	-	RALCO-1	RALCO_sinv	0	DRO	-	FS	-	OM	-	-	N	IL 2021001531	ENEL GENERACION		-	
23:59	-	MOV. CMG	-	-	-	-	-	-	-	Movimiento para estimar CMG horario	-	-	-	CDC			
23:59	-	-	-	-	-	-	-	-	-	Movimiento para estimación del Cmg On-Line	-	-	-	-			

COORDINADOR
ELÉCTRICO NACIONAL

INFORME DIARIO

Martes 24 de Agosto del 2021

SISTEMA ELÉCTRICO NACIONAL

DESVIACIONES DE LA PROGRAMACION

1.1. Centrales

Centrales	Prog.	Real	Desv %	Estado
AILLIN	-	29.1	-	PMG, P
ATACAMA SOLAR S.A.	-	0.0	-	P
Abanico	733.0	740.5	+1.02 %	RO
Aguas Blancas Diésel	0.0	0.0	-	
Alena	496.3	609.1	+22.73 %	P
Alfalfal	798.7	815.1	+2.05 %	MM
Alhué	0.0	0.0	-	
Alto Renaico	18.8	28.5	+51.46 %	PMG
Ancoa	16.8	16.4	-2.50 %	
Andes Diésel	0.0	0.0	-	
Andes FO6	0.0	0.0	-	
Andina-CTA	3372.3	3542.9	+5.06 %	LF
Angamos-ANG1	0.0	0.0	-	MM
Angamos-ANG2	6365.8	5991.7	-5.88 %	
Angostura	3549.0	2930.0	-17.44 %	RO
Antilhue	0.0	0.0	-	
Antuco	2839.8	3984.9	+40.33 %	RO
Arauco	0.0	12.5	GNP	LF
Arica-GMAR	0.0	0.0	-	
Arica-M1AR	0.0	0.0	-	MM
Arica-M2AR	0.0	0.0	-	
Atacama-1 Diésel	0.0	0.0	-	RO, LF
Atacama-1 GNL	3601.6	3066.9	-14.85 %	RO
Atacama-2 Diésel	0.0	0.0	-	RO
Atacama-2 GNL	4128.8	2788.9	(*) -32.45 %	
Bess Andes	-	9.7	GNP	
Bess Angamos	-	7.3	GNP	
Bess Cochrane	-	0.3	GNP	
Blanco	103.0	99.2	-3.69 %	
Bocamina 2	8389.2	8204.0	-2.21 %	
CALAMA	1007.9	821.6	-18.48 %	P
CAMPOS DEL SOL	125.6	84.4	-32.84 %	P
CERRO DOMINADOR CSP	0.0	0.0	-	P
CMPC Cordillera	0.0	0.0	-	RO
CMPC Laja	600.0	508.5	-15.25 %	
CMPC Pacífico	552.8	524.1	-5.19 %	
CMPC Santa Fe	0.0	0.0	-	MM
CMPC Tissue	-	26.7	-	PMG
COMBARBALA	-	0.0	-	P
Callao	50.0	26.7	-46.73 %	PMG
Calle Calle	0.0	0.0	-	MM
Campiche	2016.0	2026.0	+0.50 %	LF

Centrales	Prog.	Real	Desv %	Estado
Masisa	204.0	203.3	-0.36 %	LF
Maule	0.0	0.0	-	
Mejillones IEM	8520.0	8371.4	-1.74 %	LF
Mejillones-CTM1	2838.6	1635.7	(*) -42.38 %	LF
Mejillones-CTM1 Fuel Oil	-	0.0	-	
Mejillones-CTM2	0.0	0.0	-	MM
Mejillones-CTM3 Diésel	0.0	0.0	-	
Mejillones-CTM3 GNL	2222.7	3922.1	(*) +76.46 %	
Mejillones-CTM3 Gas Arg	0.0	-	-	
Mejillones-PAM	528.0	507.0	-3.97 %	
Mercurio Sur	6.8	13.8	+104.53 %	P
Mocho	247.4	132.9	-46.29 %	
NEGRETE	245.0	344.4	+40.57 %	P
Nalcas	121.8	82.2	-32.50 %	PMG
Nehuenco 1 Diésel	0.0	0.0	-	
Nehuenco 1 GNL	6125.0	6150.0	+0.41 %	
Nehuenco 1 Gas Arg	0.0	0.0	-	
Nehuenco 2 Diésel	0.0	0.0	-	
Nehuenco 2 GNL	7982.9	6826.0	-14.49 %	
Nehuenco 2 Gas Arg	0.0	0.0	-	
Nehuenco 9B Diésel	0.0	0.0	-	
Nehuenco 9B GNL	0.0	0.0	-	
Nehuenco 9B Gas Arg	0.0	0.0	-	
Newen Diésel	0.0	0.0	-	
Newen Gas	0.0	0.0	-	
Newen Gas Arg	0.0	0.0	-	
Newen Propano	0.0	-	-	
Norgener-NTO1	1830.0	2924.7	+59.82 %	LF
Norgener-NTO2	2726.9	2913.5	+6.84 %	
Norgener-NTO2 Fuel Oil	-	0.0	-	
Nueva Aldea 1	0.0	0.0	-	MM
Nueva Aldea 2	0.0	0.0	-	DF
Nueva Aldea 3	888.0	501.7	-43.51 %	
Nueva Renca Diésel	4920.0	5761.0	+17.09 %	
Nueva Renca GNL	0.0	0.0	-	
Nueva Renca Gas Arg	0.0	0.0	-	
Nueva Ventanas	1968.0	1986.0	+0.91 %	LF
Ojos de Agua	92.4	95.5	+3.35 %	PMG
Olivos	0.0	0.0	-	
PFV AZABACHE	31.9	7.4	-76.82 %	P
PFV Del Desierto	-	0.0	-	PMG, P
PFV Diego de Almagro Sur	-	0.0	-	P

Centrales	Prog.	Real	Desv %	Estado
Candelaria 1 Diésel	0.0	220.0	GNP	
Candelaria 1 GNL	60.0	0.0	-100.00 %	
Candelaria 1 Gas Arg	0.0	0.0	-	
Candelaria 2 Diésel	0.0	141.0	GNP	
Candelaria 2 GNL	0.0	0.0	-	
Candelaria 2 Gas Arg	0.0	0.0	-	
Candelaria Solar	15.9	17.4	+9.53 %	
Canutillar	2643.7	1906.0	-27.90 %	
Capullo	288.0	248.5	-13.72 %	
Cardones	0.0	0.0	-	DRO
Carena	55.0	58.4	+6.18 %	PMG, MM
Carilafquén	96.0	55.4	-42.28 %	
Celco	120.2	90.2	-24.94 %	
Cementos Bío Bío	0.0	0.0	-	LF, RO
Cenizas	0.0	0.0	-	
Cerro Tigre	-	0.0	-	
Chacabuquito	124.0	142.7	+15.08 %	
Chacayes	499.7	529.4	+5.95 %	
Chagual	-	0.0	-	P
Chapiquiña	120.0	122.4	+2.00 %	
Chiburgo	0.0	24.0	-	PMG, MM
Chillan	-	0.0	-	
Chiloé	0.0	0.0	-	PMG
Cholguán	216.0	108.9	-49.57 %	DF, LF
Cholguán IFO	-	0.0	-	
Chuyaca	0.0	0.0	-	LF
Cipreses	818.9	320.8	-60.83 %	
Cipresillos	-	0.0	-	PMG
Cochrane-CCH1	5833.5	5808.6	-0.43 %	
Cochrane-CCH2	5845.0	5833.2	-0.20 %	
Cogen. Aconcagua	631.0	650.4	+3.09 %	MM, RO
Cogen. Biobío	492.0	1259.0	+155.89 %	
Colbún	2191.6	2455.0	+12.02 %	RO
Colihues Diésel	-	0.0	-	DF, LF
Colihues HFO	131.0	134.2	+2.44 %	DF, RO
Colmito Diésel	0.0	96.5	GNP	LF
Colmito GNL	0.0	0.0	-	
Concón	0.0	0.0	-	PMG
Constitución	0.0	12.1	-	PMG
Convento Viejo	240.0	285.8	+19.08 %	
Coronel Diésel	0.0	0.0	-	
Coronel GNL	0.0	0.0	-	
Coronel Gas Arg	0.0	0.0	-	
Coya	0.0	0.0	-	
Cumbres	144.0	140.7	-2.28 %	
Curillinque	846.4	570.0	-32.66 %	RO
Dadinco	-	0.0	-	
Degañ	0.0	0.0	-	LF
Degañ 2	0.0	0.0	-	DF
Deuco	-	0.0	-	
Diego de Almagro	0.0	0.0	-	

Centrales	Prog.	Real	Desv %	Estado
PFV EL SALITRAL	26.1	17.9	-31.59 %	P
PFV Las Majadas	0.0	0.0	-	P
PFV PLAYERITO	5.9	19.0	+223.77 %	P
PFV PLAYERO	5.9	19.2	+226.97 %	P
PFV RÍO ESCONDIDO	1165.2	554.0	-52.45 %	P
PFV SANTA ISABEL	1136.5	1073.9	-5.51 %	P
PFV SOL DE LILA	0.0	0.0	-	P
PFV Sol de los Andes	-	0.0	-	P
PFV Sol del Desierto	161.5	0.4	-99.73 %	P
PFV Sol del Norte	-	0.0	-	PMG, P
PFV de los Andes	-	0.0	-	PMG, P
PMG CH Corrales	-	4.9	-	PMG, P
PMGD PFV Kaufmann	0.0	0.0	-	P
Pajonales	0.0	0.0	-	
Palacios	1.3	2.2	+66.69 %	PMG
Palmucho	509.2	594.1	+16.68 %	
Pangue	3124.3	3448.2	+10.37 %	
Parque Eólico Mesamávida	-	0.0	-	P
Pehuenche	8996.4	6650.2	(*) -26.08 %	
Peuchén	1091.2	965.3	-11.53 %	
Pilmaiquén	720.0	726.9	+0.95 %	RO
Placilla	0.0	0.0	-	PMG
Planta Valdivia	0.0	90.5	GNP	
Pretty Field	19.8	11.2	-43.75 %	P
Providencia	216.0	216.5	+0.23 %	
Puente Solar	15.4	16.2	+5.15 %	P
Pulelfu	216.0	175.0	-18.98 %	PMG
Pullinque	480.9	479.2	-0.34 %	
Punta Colorada Diésel	0.0	0.0	-	
Punta Colorada IFO	0.0	0.0	-	
Puntilla	148.5	55.8	-62.42 %	MM
Queltehues	471.0	510.8	+8.45 %	DF
Quilleco	685.7	1147.0	+67.28 %	
Quintay	0.0	0.0	-	PMG
Quintero 1A Diésel	0.0	0.0	-	RO
Quintero 1A GNL	0.0	35.0	GNP	
Quintero 1A Gas Arg	0.0	0.0	-	
Quintero 1B Diésel	0.0	0.0	-	RO
Quintero 1B GNL	0.0	34.0	GNP	
Quintero 1B Gas Arg	0.0	0.0	-	
RENAICO 2	-	0.0	-	P
Ralco	2528.7	3696.9	(*) +46.20 %	RO
Rapel	2544.4	2310.5	-9.19 %	
Rauquén	38.6	45.8	+18.57 %	
Renaico	66.1	137.6	+108.02 %	PMG
Renca	0.0	0.0	-	
Rinconada	38.4	43.2	+12.42 %	
Rucatayo	762.0	794.3	+4.24 %	
Rucúe	1595.7	2739.0	+71.65 %	
Río Colorado	228.0	182.8	-19.82 %	
Río Huasco	21.1	20.3	-3.79 %	

Centrales	Prog.	Real	Desv %	Estado
Digua	0.0	0.0	-	P
Domeyko	0.0	0.0	-	P
Don Jorge	21.9	20.3	-7.36 %	
Dos Valles	0.0	0.0	-	PMG
El Paso	0.0	0.0	-	
El Peñón	0.0	0.0	-	
El Pinar	-	0.0	-	
El Rincón	5.9	6.0	+1.45 %	PMG
El Salvador	0.0	0.0	-	
El Toro	0.0	3.7	GNP	RO
El Totoral	0.0	0.0	-	PMG
Emelda 1	0.0	0.0	-	
Emelda 2	0.0	0.0	-	
Enaex-CUMMINS	0.0	0.0	-	
Enaex-DEUTZ	0.0	0.0	-	
Energía Pacífico	384.0	348.2	-9.31 %	RO
Escuadrón	192.0	248.2	+29.27 %	LF
Esperanza-DS1	0.0	0.0	-	
Esperanza-DS2	0.0	0.0	-	
Esperanza-TG1	0.0	0.0	-	LF
Espinos	0.0	0.0	-	
Eólica Aurora	993.3	1006.5	+1.32 %	
Eólica Cabo Leones 1	462.6	206.0	-55.47 %	
Eólica Cabo Leones 2	697.4	248.4	-64.38 %	
Eólica Cabo Leones 3	430.6	105.8	-75.43 %	
Eólica Canela	23.9	13.0	-45.32 %	
Eólica Canela 2	120.5	75.6	-37.21 %	
Eólica Cuel	217.0	250.7	+15.53 %	
Eólica El Arrayán	238.0	181.4	-23.79 %	
Eólica El Maitén	90.4	110.3	+21.96 %	
Eólica La Esperanza	57.0	90.3	+58.33 %	PMG
Eólica La Estrella	341.3	174.3	-48.93 %	DF
Eólica La Flor	231.4	307.7	+32.98 %	
Eólica Lebu	50.7	19.4	-61.73 %	PMG
Eólica Los Buenos Aires	208.9	204.4	-2.18 %	
Eólica Los Cururos	339.2	303.7	-10.46 %	
Eólica Monte Redondo	82.1	70.9	-13.68 %	
Eólica Punta Colorada	24.6	1.3	-94.72 %	DF
Eólica Punta Palmeras	81.9	76.8	-6.24 %	
Eólica Punta Sierra	329.5	246.2	-25.30 %	RO
Eólica Renaico	651.6	738.2	+13.29 %	
Eólica San Gabriel	1240.1	1132.0	-8.72 %	
Eólica San Juan	815.0	178.9	-78.05 %	
Eólica San Pedro	303.0	340.2	+12.26 %	
Eólica San Pedro 2	651.7	679.5	+4.26 %	LF
Eólica Sarco	750.5	186.8	-75.11 %	
Eólica Sierra Gorda	1252.7	1655.1	+32.12 %	
Eólica Talinay Oriente	376.9	280.8	-25.49 %	
Eólica Talinay Poniente	241.4	197.6	-18.15 %	
Eólica Taltal	2008.9	1547.4	-22.97 %	LF

Centrales	Prog.	Real	Desv %	Estado
Río Picoiquén	480.0	391.1	-18.52 %	
SF Energía	1353.9	738.4	-45.46 %	LF
San Andrés	81.0	27.6	-65.95 %	
San Clemente	0.0	0.0	-	PMG
San Gregorio	0.0	0.0	-	PMG
San Ignacio	150.5	144.0	-4.33 %	
San Isidro 1 Diésel	0.0	0.0	-	RO
San Isidro 1 GNL	7109.6	6762.0	-4.89 %	
San Isidro 1 Gas Arg	0.0	0.0	-	
San Isidro 2 Diésel	0.0	0.0	-	RO
San Isidro 2 GNL	7479.1	7100.0	-5.07 %	
San Isidro 2 Gas Arg	0.0	0.0	-	
San Javier	24.4	30.0	+22.87 %	
San Lorenzo 1	0.0	0.0	-	
San Lorenzo 2	0.0	0.0	-	
San Lorenzo 3	0.0	0.0	-	
San Ramiro	24.0	57.4	+138.71 %	
Santa Fe	18.6	55.9	+199.81 %	
Santa Lidia	0.0	0.0	-	
Santa Marta	240.0	106.2	-55.75 %	
Santa María	8975.8	8793.0	-2.04 %	RO
Santa Rita	11.1	17.2	+54.29 %	
Sauzal	469.0	444.2	-5.28 %	MM, RO
Sauzal 60 Hz	-	0.0	-	
Sauzalito	71.0	76.0	+7.04 %	
Solar Aguila 1	14.5	14.9	+2.70 %	
Solar Almeyda	348.0	192.2	-44.76 %	
Solar Andes	164.3	167.6	+2.03 %	
Solar Andes 2A	566.2	551.7	-2.55 %	LF
Solar Antay	69.8	28.1	-59.80 %	PMG
Solar Atacama 2	931.6	1062.7	+14.07 %	
Solar Carrera Pinto	360.0	321.1	-10.81 %	
Solar Cerro Dominador	805.6	848.4	+5.31 %	
Solar Chañares	161.8	107.2	-33.71 %	
Solar Diego de Almagro	137.7	80.3	-41.68 %	
Solar Doña Carmen	125.3	203.5	+62.48 %	
Solar El Pelícano	380.2	261.3	-31.28 %	
Solar El Pilar - Los Amarillos	0.0	0.0	-	PMG
Solar El Romero	916.7	590.1	-35.63 %	
Solar FV Bolero	938.6	976.5	+4.05 %	
Solar Finis Terrae	842.3	931.7	+10.62 %	
Solar GPG San Pedro	731.7	714.9	-2.30 %	
Solar Huatacondo	662.7	587.3	-11.36 %	
Solar Jama	458.4	366.5	-20.05 %	
Solar Javiera	305.0	203.3	-33.33 %	
Solar La Huayca 2	158.8	164.0	+3.27 %	
Solar La Silla	4.4	7.0	+58.18 %	
Solar Lalackama	330.3	279.9	-15.24 %	
Solar Lalackama 2	83.7	86.5	+3.39 %	
Solar Llano de Llampos	396.6	280.6	-29.25 %	

Centrales	Prog.	Real	Desv %	Estado
Eólica Tolpán Sur	742.6	536.3	-27.78 %	
Eólica Totoral	60.6	59.1	-2.52 %	
Eólica Ucuquer 2	32.8	43.4	+32.03 %	
Eólica Valle de los Vientos	747.0	796.9	+6.68 %	
Florida	0.0	0.0	-	
Geo. Cerro Pabellón	897.4	1008.9	+12.43 %	
Guacolda 1	3003.0	2958.0	-1.50 %	LF
Guacolda 2	2465.0	2497.0	+1.30 %	LF
Guacolda 3	3261.9	3387.0	+3.84 %	
Guacolda 4	3045.8	2967.0	-2.59 %	LF
Guacolda 5	3480.0	3492.0	+0.34 %	
Guayacán	106.6	107.7	+1.03 %	
HP EL ATAJO	4.2	7.8	+86.19 %	
HP FLORIDA II	62.0	52.7	-15.00 %	
HP FLORIDA III	50.4	48.6	-3.57 %	
Hidroeléctrica Chilco	-	0.0	-	
Horcones Diésel	0.0	0.0	-	
Horcones TG	-	0.0	-	
Hornitos	120.0	37.7	-68.58 %	DF
Hornitos-CTH	3428.1	3125.6	-8.82 %	
Huasco	2.0	0.0	-100.00 %	
Huasco TG IFO	0.0	-	-	
Inacal	0.0	0.0	-	
Isla	811.0	578.6	-28.65 %	
Itata	480.0	473.4	-1.38 %	
Juncal	96.0	108.1	+12.60 %	
Kelar Diésel	2550.1	2384.8	-6.48 %	
Kelar GNL	1555.4	2182.6	+40.33 %	
LA CRUZ SOLAR	-	0.0	-	P
LA HUELLA	357.2	202.4	-43.34 %	P
LOS OLMOS	79.7	0.0	-100.00 %	P
La Confluencia	451.0	392.2	-13.04 %	
La Higuera	510.0	681.6	+33.65 %	MM
La Mina	102.7	0.0	-100.00 %	
La Portada-TECNET	0.0	0.0	-	
Laja 1	293.4	615.1	+109.62 %	
Laja Energía Verde	240.0	114.0	-52.50 %	
Las Vegas	0.0	0.0	-	PMG
Lautaro 1	624.0	159.2	-74.48 %	
Lautaro 2	0.0	0.0	-	MM
Lebu	-	0.0	-	PMG
Licantén	156.0	63.5	-59.31 %	LF
Licán	282.0	216.9	-23.08 %	
Linares Norte	0.0	0.0	-	PMG
Lircay	240.0	248.7	+3.62 %	
Llauquereo	41.5	42.9	+3.40 %	PMG
Loma Alta	328.5	207.7	-36.77 %	
Loma Los Colorados 1	0.0	0.0	-	PMG, DF
Loma Los Colorados 2	0.0	263.7	GNP	DF
Los Guindos TG1 Diésel	0.0	0.0	-	

Centrales	Prog.	Real	Desv %	Estado
Solar Loma Los Colorados	4.7	4.2	-10.64 %	PMG
Solar Los Loros	136.5	143.6	+5.22 %	LF
Solar Los Tilos	19.3	19.2	-0.55 %	
Solar Luz del Norte	609.3	561.1	-7.92 %	RO
Solar María Elena	469.0	427.7	-8.80 %	
Solar Nuevo Quillagua	779.4	579.1	-25.70 %	
Solar PFV Granja Solar	888.7	770.0	-13.36 %	
Solar PV Conejo	513.8	603.8	+17.51 %	LF
Solar PV Salvador	250.0	348.3	+39.32 %	
Solar Pampa Camarones	42.1	38.1	-9.48 %	
Solar Pampa Solar Norte	391.1	396.9	+1.48 %	
Solar Piloto Cardones	1.0	0.0	-99.01 %	PMG
Solar Pozo Almonte 2	63.9	50.4	-21.15 %	
Solar Pozo Almonte 3	122.3	108.7	-11.11 %	
Solar Puerto Seco	78.9	84.7	+7.37 %	PMG
Solar Quilapilún	429.2	465.0	+8.36 %	
Solar SDGx01	2.8	2.6	-6.07 %	PMG
Solar San Andrés	210.0	158.6	-24.48 %	
Solar Santiago	387.2	514.1	+32.76 %	
Solar Uribe	349.9	235.5	-32.69 %	
Solar Usya	390.0	359.4	-7.84 %	LF
TAMAYA SOLAR	-	0.0	-	P
TER SAN JAVIER 1	-	0.0	-	
TER SAN JAVIER 2	-	0.0	-	
Taltal 1 Diésel	0.0	0.0	-	DLC, RO
Taltal 1 GNL	0.0	224.0	GNP	RO
Taltal 2 Diésel	0.0	0.0	-	DLC
Taltal 2 GNL	0.0	439.0	GNP	
Tamaya-Suta	0.0	0.0	-	
Tarapacá-CTTAR	0.0	0.0	-	
Tarapacá-CTTAR Fuel Oil	-	0.0	-	
Tarapacá-TGTAR	0.0	8.8	GNP	
Tchamma	24.8	0.0	-100.00 %	
Teno	0.0	0.0	-	LF
Teno Gas 50	0.0	0.0	-	
Termopacífico	0.0	0.0	-	LF
Tocopilla-TG1	0.0	0.0	-	
Tocopilla-TG2	0.0	0.0	-	
Tocopilla-TG3 Diésel	0.0	0.0	-	
Tocopilla-TG3 GNL	0.0	0.0	-	DF
Tocopilla-U14	1520.4	1629.5	+7.18 %	LF
Tocopilla-U14 Fuel Oil	-	0.0	-	
Tocopilla-U15	1627.9	1740.4	+6.91 %	LF
Tocopilla-U15 Fuel Oil	-	0.0	-	
Tocopilla-U16 Diésel	0.0	0.0	-	
Tocopilla-U16 GNL	3694.3	4678.9	+26.65 %	RO
Tocopilla-U16 Gas Arg	0.0	-	-	
Trapén	0.8	26.7	+3047.33 %	LF
Trincao	0.0	25.6	GNP	MM
Trongol	-	0.0	-	PMG

Centrales	Prog.	Real	Desv %	Estado
Los Guindos TG2 Diésel	0.0	0.0	-	
Los Hierros	504.0	537.7	+6.68 %	
Los Hierros 2	72.0	98.7	+37.13 %	
Los Lagos Solar	0.0	0.0	-	P
Los Molles	36.3	25.0	-31.03 %	
Los Pinos	0.0	708.0	GNP	
Los Quilos	207.0	233.9	+13.00 %	MM
Los Vientos	0.0	0.0	-	
MALGARIDA	1267.7	898.9	-29.10 %	P
MALGARIDA 1	0.0	-	-	P
MALGARIDA 2	0.0	-	-	P
MALLECO NORTE	483.0	227.4	-52.91 %	P
MALLECO SUR	630.9	989.3	+56.81 %	P
MECO CHILLAN	6.4	41.1	+545.55 %	P
Machicura	312.0	315.0	+0.96 %	LF
Maitenes	134.0	130.4	-2.69 %	DF, RO
Malalcahuello	72.0	70.3	-2.43 %	
Mampil	782.7	756.7	-3.33 %	
Mantos Blancos-MIMB	0.0	0.0	-	
Mariposas	72.0	75.8	+5.28 %	PMG

Centrales	Prog.	Real	Desv %	Estado
Ujina-1	0.0	0.0	-	
Ujina-2	0.0	0.0	-	
Ujina-3	0.0	0.0	-	
Ujina-4	0.0	0.0	-	
Ujina-5	0.0	0.0	-	MM
Ujina-6	0.0	0.0	-	
Ventanas 1	0.0	0.0	-	ERE
Ventanas 2	2685.0	2749.0	+2.38 %	LF
Villa Alegre	18.4	58.7	+218.82 %	
Villa Solar	1.5	0.4	-75.91 %	
Viñales	528.0	712.8	+35.00 %	
Volcán	144.0	148.0	+2.78 %	
Yungay 1 Diésel	0.0	0.0	-	
Yungay 1 GNL	0.0	0.0	-	
Yungay 2 Diésel	0.0	0.0	-	
Yungay 2 GNL	0.0	0.0	-	
Yungay 3 Diésel	0.0	0.0	-	
Yungay 3 GNL	0.0	0.0	-	
Yungay 4	0.0	0.0	-	
Total	**230666.0**	**225829.4**	**-2.10 %**	

1.2. PMGD

Centrales	Prog.	Real	Desv %
Agni	-	0.0	-
Alerce	-	0.0	-
Alicahue	13.4	15.7	+17.41 %
Allipén	50.5	62.3	+23.33 %
Almendrado	-	0.0	-
Ancalí	-	0.0	-
Argomedo	30.8	25.9	-16.02 %
Aromos	-	2.1	-
Arrayán	-	0.0	-
Auxiliar del Maipo	35.4	14.7	-58.54 %
Aviles	0.0	0.0	-
BERRUECO	20.6	26.2	+27.58 %
Bellavista 1	81.1	69.6	-14.20 %
Biocruz	-	21.2	-
Biomar	-	0.0	-
Bluegate	-	0.0	-
Boldos	-	0.0	-
Boquiamargo	0.0	0.0	-
Bureo	26.3	0.0	-100.00 %
CASABERMEJA	7.5	7.2	-4.22 %
Caimi	0.0	0.0	-
Calafate	-	0.0	-
Calfuco	-	0.0	-
Caliboro	17.2	23.4	+35.83 %
Campesina	-	0.0	-
Casablanca 1	-	0.4	-
Casablanca 2	-	0.0	-
Cavancha	41.6	38.4	-7.60 %
Cañete	-	0.0	-
Chacabuco	47.7	41.2	-13.64 %
Chanleufu	0.5	2.6	+445.65 %
Chifin	-	0.0	-
Chile Generación	-	0.0	-
Chorrillos	-	0.0	-
Chufkén (Traiguén)	-	0.0	-
Ciruelillo	-	0.0	-
Cocharcas	5.8	17.4	+198.72 %
Collil	140.0	70.0	-49.99 %
Conchali	-	0.0	-
Contra	-	0.0	-
Contulmo	-	0.0	-
Copiulemu	-	13.4	-
Correntoso	132.6	115.5	-12.95 %
Cortés	-	0.0	-
Cosapilla	10.4	10.3	-1.08 %
Curacautín	-	10.9	-
Curauma	-	0.7	-
Curileufu	-	0.0	-
DON ANDRÓNICO	7.5	0.0	-100.00 %

Centrales	Prog.	Real	Desv %
Rapaco	-	0.0	-
Raso Power	-	0.0	-
Reca	38.4	39.7	+3.39 %
Rey	-	0.0	-
Riñinahue	0.3	0.9	+209.65 %
Robleria	4.5	65.1	+1343.28 %
Río Azul	-	0.0	-
Río Mulchén	7.2	23.7	+229.75 %
SANTA CAROLINA	14.5	11.3	-22.56 %
Salmofood 1	-	0.0	-
Santa Elena	0.0	46.0	-
Santa Ester	0.0	0.0	-
Santa Irene	-	0.0	-
Santa Isabel	5.6	11.7	+107.28 %
Santa Luisa	-	0.0	-
Saturno Norte	10.1	19.1	+88.58 %
Sauce Andes	6.7	6.6	-1.98 %
Sepultura	-	0.0	-
Skretting	-	0.0	-
Skretting Osorno	-	0.0	-
Sol de Septiembre	49.9	48.0	-3.82 %
Solar Alto	0.0	0.0	-
Solar Altos de Til Til	7.9	8.8	+11.84 %
Solar Altos del Paico	0.0	-	-
Solar Alturas de Ovalle	15.0	0.0	-100.00 %
Solar Amparo del Sol	11.7	8.4	-28.38 %
Solar Antonia	17.3	17.8	+3.20 %
Solar Ariztía	0.0	0.0	-
Solar Bellavista	9.3	12.2	+31.71 %
Solar Cabilsol	14.8	17.6	+18.92 %
Solar Cachiyuyo 2	46.5	28.9	-37.71 %
Solar Calama 1	81.9	82.6	+0.90 %
Solar Calle Larga	14.5	12.7	-12.08 %
Solar Canesa 1	20.7	17.7	-14.43 %
Solar Casuto	10.7	9.8	-8.06 %
Solar Catemu	7.7	8.3	+6.83 %
Solar Catán	8.9	11.9	+34.04 %
Solar Cernicalo 1	9.7	10.9	+11.57 %
Solar Cernicalo 2	9.7	10.0	+3.03 %
Solar Chalinga	17.7	13.6	-23.16 %
Solar Chancon	12.9	15.0	+16.36 %
Solar Chimbarongo	15.9	10.1	-36.60 %
Solar Chuchiñi	7.2	15.0	+108.20 %
Solar Citrino	14.4	16.4	+13.64 %
Solar Cordillerilla	8.2	1.0	-88.36 %
Solar Covadonga	75.5	34.2	-54.71 %
Solar Crucero	13.4	15.5	+15.18 %
Solar Cruz	12.7	16.5	+29.77 %
Solar Cuz Cuz	7.5	14.3	+90.16 %

Centrales	Prog.	Real	Desv %
Danisco	-	0.0	-
Darlin	49.3	58.4	+18.57 %
Don Pedro	-	0.0	-
Don Walterio	70.8	74.2	+4.77 %
Dongo	110.6	68.2	-38.37 %
Donguil	4.9	5.3	+7.51 %
Doña Hilda	2.5	5.1	+104.55 %
Doña Javiera	-	2.2	-
Doñihue	43.1	47.1	+9.31 %
EL ROMERAL	53.6	41.3	-22.93 %
ETERSOL	-	0.0	-
Eagon	-	0.0	-
El Agrio	9.0	0.0	-100.00 %
El Arrayán	-	9.9	-
El Campesino 1	-	0.4	-
El Canelo	67.1	71.7	+6.73 %
El Canelo 1	-	0.0	-
El Colorado	43.0	17.5	-59.39 %
El Condor	2.5	4.1	+62.25 %
El Diuto	40.0	58.0	+44.93 %
El Faro	-	0.0	-
El Litre	40.9	51.8	+26.55 %
El Llano	0.0	0.0	-
El Manzano	86.7	90.9	+4.84 %
El Mirador	15.0	61.6	+311.54 %
El Molle	-	34.8	-
El Nogal	-	0.1	-
El Piuquen	0.0	0.0	-
El Queltehue	-	18.4	-
El Resplandor	5.8	17.2	+195.60 %
El Tártaro	0.0	0.0	-
Energía León	-	48.7	-
Ensenada	0.0	0.0	-
Ermitaño	-	0.0	-
Estancilla	-	0.0	-
Estandartes	-	0.0	-
Eyzaguirre	5.0	5.8	+15.81 %
Eólica El Arrebol	6.9	87.3	+1157.49 %
Eólica Huajache	32.6	44.3	+36.14 %
Eólica Las Peñas	43.4	119.3	+174.85 %
Eólica Lebu 3	28.5	1.6	-94.42 %
Eólica Raki	48.8	50.8	+4.07 %
Eólica Ucuquer	22.5	37.2	+65.77 %
Eólico El Nogal	7.5	100.4	+1233.09 %
GR Pitao	0.0	0.0	-
Galpón	23.7	31.7	+33.35 %
Gami	-	0.0	-
Granada	52.5	52.3	-0.27 %
Guanaco Solar	15.2	17.3	+13.38 %
HBS	-	1.6	-
HBS-GNL	-	6.3	-

Centrales	Prog.	Real	Desv %
Solar Don Eugenio	15.8	16.7	+5.86 %
Solar Don Mariano	16.1	17.6	+9.14 %
Solar Eclipse	16.5	3.7	-77.92 %
Solar El Boco	16.3	40.2	+146.56 %
Solar El Chincol	6.3	19.6	+211.68 %
Solar El Chucao	2.1	0.0	-100.00 %
Solar El Divisadero	9.3	11.1	+19.62 %
Solar El Estero	7.8	11.3	+45.24 %
Solar El Laurel	16.8	45.6	+170.63 %
Solar El Picurio	19.1	14.6	-23.51 %
Solar El Pilpen	18.2	18.4	+0.93 %
Solar El Pitio	17.8	17.5	-1.74 %
Solar El Queltehue	21.5	-	-
Solar El Quemado	11.4	21.2	+86.51 %
Solar El Queule	4.3	0.0	-100.00 %
Solar El Roble	15.1	32.0	+111.85 %
Solar El Sauce	15.1	15.1	+0.26 %
Solar Encon	28.2	36.6	+29.78 %
Solar Esperanza	13.0	0.0	-100.00 %
Solar Filomena	7.8	10.0	+28.21 %
Solar Fotovolt	0.0	0.0	-
Solar Francisco	-	0.0	-
Solar GR Lemu	11.4	36.2	+216.76 %
Solar GR Pepa	0.0	0.0	-
Solar GR Santa Rosa	56.2	61.6	+9.64 %
Solar Girasoles	13.9	13.6	-1.81 %
Solar Guadalao	11.9	15.0	+26.72 %
Solar Homero	18.5	-	-
Solar Hormiga	8.4	9.8	+16.86 %
Solar Hornitos	1.2	0.6	-46.45 %
Solar Illapel 5X	20.8	13.7	-34.02 %
Solar Jahuel	17.4	21.7	+24.44 %
Solar Jaururo	13.3	17.3	+29.43 %
Solar José Soler Mallafré	8.1	6.4	-20.95 %
Solar Konda	9.8	10.8	+10.28 %
Solar La Acacia	58.9	44.3	-24.75 %
Solar La Blanquina	54.0	55.2	+2.10 %
Solar La Chapeana	7.0	5.1	-27.43 %
Solar La Chimba Bis	8.8	4.1	-53.67 %
Solar La Esperanza 2	51.4	59.1	+14.99 %
Solar La Estancia	17.0	16.4	-3.21 %
Solar La Frontera	27.4	32.4	+18.19 %
Solar La Lajuela	34.6	34.9	+0.79 %
Solar La Manga	20.0	14.1	-29.57 %
Solar La Quinta	15.8	12.6	-19.84 %
Solar Lagunilla	7.4	5.6	-24.07 %
Solar Las Araucarias	0.0	0.0	-
Solar Las Codornices	12.9	22.0	+70.02 %
Solar Las Mercedes 1	15.7	17.2	+9.63 %
Solar Las Mollacas	7.0	7.5	+6.65 %
Solar Las Palomas	19.4	21.0	+8.30 %

Centrales	Prog.	Real	Desv %
Hidrobonito MC1	158.3	117.3	-25.89 %
Hidrobonito MC2	75.4	69.4	-8.00 %
Hidroeléctrica Cumpeo	64.4	67.2	+4.34 %
Homero	-	19.7	-
Huape	8.7	17.0	+94.51 %
JCE	-	0.0	-
Juncalito	0.0	0.0	-
LAS TORTOLAS	0.0	0.0	-
LLAY LLAY	46.3	47.4	+2.31 %
LUMBRERAS	18.7	21.4	+14.15 %
La Arena	0.0	0.0	-
La Bifurcada	0.0	1.2	+5614.61 %
La Compañía 2	3.8	11.1	+190.32 %
La Ligua	14.9	18.5	+24.77 %
La Montaña 1	63.0	69.5	+10.35 %
La Montaña 2	40.5	36.3	-10.45 %
La Paloma	2.8	15.8	+459.49 %
La Viña - Alto la Viña	0.8	5.0	+518.51 %
Las Cabras	0.0	0.0	-
Las Chacras	15.7	17.2	+9.53 %
Las Flores	33.1	22.9	-30.93 %
Las Lechuzas	11.4	21.1	+84.50 %
Las Pampas	-	0.0	-
Las Vertientes	0.0	0.0	-
Lepanto	-	0.0	-
Linares Solar	0.0	0.0	-
Lingue Solar	0.0	0.0	-
Lipigas Concón	-	0.0	-
Lirio del campo	13.7	15.9	+15.98 %
Lonquimay	-	0.0	-
Los Bajos	40.3	12.5	-69.08 %
Los Colonos	-	0.0	-
Los Corrales	2.3	8.0	+245.85 %
Los Corrales 2	16.0	11.9	-25.62 %
Los Molinos	0.0	0.0	-
Los Morros	14.3	6.6	-54.10 %
Los Negros	-	0.0	-
Los Padres	48.3	49.2	+1.83 %
Los Perales	3.4	18.4	+434.95 %
Los Sauces	-	0.8	-
Los Álamos	-	0.0	-
Louisiana Pacific	-	0.0	-
Lousiana Pacific 2	-	0.0	-
MCH-Dosal	-	0.0	-
MSA-1	2.0	3.2	+59.16 %
Maisan	6.4	5.6	-12.82 %
Malinke	13.5	17.3	+27.77 %
Mallarauco	76.7	80.2	+4.53 %
María Elena	1.2	0.0	-100.00 %
María Pinto	15.0	13.8	-8.21 %

Centrales	Prog.	Real	Desv %
Solar Las Perdices	6.6	17.9	+170.18 %
Solar Las Rojas	14.3	1.2	-91.87 %
Solar Las Terrazas	13.0	1.2	-91.00 %
Solar Las Torcazas	-	18.5	-
Solar Las Turcas	21.9	19.6	-10.32 %
Solar Lipangue	1.4	12.6	+797.27 %
Solar Llanos de Potroso	0.0	13.1	-
Solar Lo Miranda	32.8	34.2	+4.22 %
Solar Lo Sierra	15.8	17.3	+9.34 %
Solar Loreto	13.2	14.1	+6.92 %
Solar Los Gorriones	15.3	19.5	+27.80 %
Solar Los Libertadores	32.8	23.0	-29.82 %
Solar Los Paltos	13.1	16.1	+22.70 %
Solar Los Patos	20.0	20.8	+4.15 %
Solar Los Puquios	19.2	8.2	-57.21 %
Solar Luce	14.1	14.2	+1.03 %
Solar Luders	16.3	20.6	+26.20 %
Solar Luna	12.2	14.1	+15.29 %
Solar Luna del Norte	8.1	12.5	+54.29 %
Solar Malaquita 2	57.7	40.3	-30.23 %
Solar Marchigue 2	51.4	52.8	+2.80 %
Solar Marchigue 7	17.1	17.8	+4.16 %
Solar Marin	11.3	13.1	+16.13 %
Solar Montt	15.7	17.0	+8.46 %
Solar Norte Chico 1	12.6	13.0	+3.08 %
Solar Ocoa	16.6	16.1	-3.31 %
Solar Olivillo	46.5	47.1	+1.37 %
Solar Ovejería	39.4	41.0	+3.96 %
Solar PFV Mostazal	49.8	60.5	+21.45 %
Solar PMGD Diego de Almagro	0.0	0.0	-
Solar PSF Lomas Coloradas	6.2	9.4	+52.87 %
Solar Pama	11.0	10.5	-4.34 %
Solar Panquehue 2	23.9	33.2	+38.55 %
Solar Paraguay	57.6	57.2	-0.70 %
Solar Parque Bicentenario	4.7	0.0	-100.00 %
Solar Pedreros	12.8	16.4	+28.27 %
Solar Peralillo	19.4	0.0	-100.00 %
Solar Pica	0.0	0.0	-
Solar Piquero	17.6	19.0	+7.78 %
Solar Pirque	15.7	18.0	+14.65 %
Solar Placilla	12.8	0.0	-100.00 %
Solar Población	16.2	17.9	+10.77 %
Solar Portezuelo	17.1	16.3	-4.75 %
Solar Pozo Almonte 1	0.0	0.0	-
Solar Pullalli	13.2	17.1	+28.78 %
Solar Punta Baja	14.2	4.8	-66.19 %
Solar Queltehue	17.2	17.9	+3.87 %
Solar RLA	14.4	16.1	+11.38 %
Solar Ranguil	17.3	17.3	+0.01 %
Solar Rodeo	10.6	10.6	+0.23 %

Centrales	Prog.	Real	Desv %
Melo	34.9	48.0	+37.81 %
Membrillo	15.1	11.2	-26.05 %
Mimbre	-	0.0	-
Minihidro Alto Hospicio	21.3	16.5	-22.62 %
Minihidro El Toro	21.7	15.5	-28.50 %
Minihidro Santa Rosa	9.8	9.5	-3.03 %
Molinera Villarrica	8.0	3.9	-51.17 %
Monte Patria	-	0.0	-
Moya	0.0	0.0	-
Muchi	0.0	12.6	-
Multiexport 1	-	0.0	-
Multiexport 2	-	0.0	-
Munilque 1	0.8	0.0	-100.00 %
Munilque 2	10.1	0.0	-100.00 %
Mutupin	0.0	0.0	-
Nahuen	63.2	64.6	+2.14 %
OVALLE NORTE	63.5	28.5	-55.10 %
Orafti	-	0.9	-
Orion	1.0	18.9	+1847.30 %
PENCAHUE ESTE	4.6	6.8	+47.06 %
PFV Alcaldesa	0.0	0.0	-
PFV CANELILLO	18.3	19.0	+3.46 %
PFV CIPRES	17.1	52.8	+209.53 %
PFV COCINILLAS	19.6	14.1	-28.04 %
PFV PITRA	17.8	18.6	+4.76 %
PFV PMGD Curacavi	0.0	0.0	-
PFV PMGD El Flamenco	-	0.0	-
PFV PMGD Pegasus Solar	-	0.0	-
PFV PMGD San Camilo	-	0.0	-
PFV SANTA INES	23.6	30.0	+27.13 %
PINARES	-	0.0	-
PMGD Camping	-	0.0	-
PMGD PFV La Muralla	-	0.0	-
PMGD PFV Vicente	-	0.0	-
PRP Las Quemas	-	0.0	-
Paine	0.0	0.0	-
Palmar	84.6	71.0	-16.13 %
Panguipulli	-	0.0	-
Pehui	20.7	21.1	+2.20 %
Pichilonco	27.8	24.5	-11.80 %
Picoltué	-	0.0	-
Pilpilen	18.1	18.3	+0.97 %
Pitotoy	15.4	17.1	+10.96 %
Puclaro	26.4	19.1	-27.79 %
Punitaqui	-	0.0	-
Purísima	8.6	4.6	-46.33 %
QUINANTU	59.2	65.9	+11.36 %
QUITRALMAN	-	0.0	-
Quillaileo	4.7	9.6	+106.85 %
Quillay	14.2	15.2	+6.52 %

Centrales	Prog.	Real	Desv %
Solar Rovián	21.3	24.3	+14.07 %
Solar San Francisco	31.8	13.2	-58.43 %
Solar San Isidro	16.2	17.3	+6.99 %
Solar San Pedro	18.9	18.7	-1.16 %
Solar Santa Adriana	15.4	16.7	+8.39 %
Solar Santa Amelia	17.5	23.0	+30.89 %
Solar Santa Cecilia	7.7	7.0	-8.70 %
Solar Santa Clara	19.6	14.8	-24.51 %
Solar Santa Julia	14.8	18.8	+26.89 %
Solar Santa Laura	11.3	15.1	+33.27 %
Solar Santuario	12.9	13.3	+2.79 %
Solar Sol	8.1	12.6	+55.40 %
Solar Talca	39.3	55.5	+41.21 %
Solar Talhuén	11.8	9.7	-17.63 %
Solar Tambo Real	8.0	9.4	+16.84 %
Solar Techos de Altamira	0.8	0.0	-100.00 %
Solar Til Til	12.0	7.8	-34.82 %
Solar Trebal	8.7	2.7	-68.60 %
Solar Trica-Dos	4.0	14.9	+269.89 %
Solar Tricahue 2	59.8	62.5	+4.58 %
Solar Tucúquere	13.1	12.9	-1.85 %
Solar UTFSM Valparaíso Valdés	0.4	0.1	-64.29 %
Solar UTFSM Viña del Mar	1.3	1.4	+2.14 %
Solar Valle Este 2	66.2	40.1	-39.41 %
Solar Valle Oeste 2	69.3	44.0	-36.59 %
Solar Valle de la Luna 2	12.9	13.8	+6.74 %
Solar Victoria	78.0	79.8	+2.29 %
Solar Villa Cruz	6.0	18.6	+209.34 %
Solar Villa Prat	1.6	0.0	-100.00 %
Solar Villa Seca	5.3	17.4	+224.44 %
Solar Vituco 2B	17.0	17.8	+4.81 %
Solar Ñilhue	3.6	4.6	+27.23 %
Solar Ñiquén	11.5	14.8	+27.90 %
Southern	-	0.0	-
Tamarugo	0.0	0.0	-
Tambores	-	0.0	-
Tamm	-	0.0	-
Tapihue	-	0.0	-
Tirúa	-	0.0	-
Tomaval	-	10.8	-
Trailelfú	54.0	61.2	+13.25 %
Tranquil	0.0	0.0	-
Trebal Mapocho	-	0.0	-
Trinidad Solar	0.0	0.0	-
Trueno	116.8	139.0	+19.02 %
Truful Truful	14.2	16.1	+13.00 %
UTSFM Vitacura	0.0	0.0	-
Venturada	21.9	62.1	+183.27 %
Watts 1	-	0.0	-
Watts 2	-	0.0	-

Centrales	Prog.	Real	Desv %
RAULI	53.7	54.1	+0.69 %
RINCONADA NORTE	8.6	7.8	-10.10 %
Ramadilla	-	0.0	-

Centrales	Prog.	Real	Desv %
Yumbel	-	0.0	-
Zapallar	-	0.0	-
Zofri	-	0.0	-
Total	**6262.5**	**6832.9**	**+9.11 %**

Abreviaturas:

CSE: Conectada a Sistema Externo
DF: Desconexión Forzada
DLC: Desconectada con Limitación de Combustible
DLF: Desconectada con Limitación Forzada
DLP: Desconectada con Limitación Programada
DRO: Desconectada con Restricción Operativa
ERE: Estado de Reserva Estratégica
FE: Falla Externa
GNP: Generación no programada
LC: Limitación de Combustible
LF: Limitación Forzada
LP: Limitación programada
MM: Mantenimiento Mayor
P:Prueba de Puesta en Servicio
PDO: Prueba DO
PMG: Pequeño Medio de Generación
PMGD: Pequeño Medio de Generación Distribuida
PO: Prueba Operacional
RO: Restricción Operativa
SI: Sin información

JUSTIFICACIÓN DE PRINCIPALES DESVIACIONES (*)	
Pehuenche	Menor generación real por costo marginal.
Ralco	Mayor generación real por costo marginal.
Atacama-2 GNL	Menor generación real por costo marginal.
Mejillones-CTM1	Menor generación real por indisponibilidad.
Mejillones-CTM3 GNL	Mayor generación real por costo marginal.

$$(*)\ si \left\{ \begin{array}{c} \left|E_{real} - E_{programada}\right| > 12.5\% E_{programada} \\ y \\ \left|E_{real} - E_{programada}\right| > 0.5\% E_{total\ real} \end{array} \right\}$$

ESTADO DE LAS CENTRALES

3.1. Desconectada con Limitación de Combustible

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Taltal 1 Diésel	100.0	Limitada a generar con diésel. Causa informada: Sin combustible para generar, según IL 2021001887.
Taltal 2 Diésel	0.0	Limitada a generar con diésel. Causa informada: Sin combustible para generar, según IL 2021001887.

3.2. Desconectada con Restricción Operativa

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Cardones	100.0	Limitación de arranques seguidos dentro de 8 horas radica en que el transformador de Servicios Auxiliares tiene potencia nominal de 4 MVA con la capacidad de aumentar a 8 MVA por 1/2 hora cada 8 horas. La capacidad mayor a la nominal es requerida por el SFC (Convertidor Estático de Frecuencia) , SEE (Sistema de Excitación) y bomba principal de combustible durante el arranque de la unidad, según IL 2017001231.

3.3. Estado de Reserva Estratégica

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Ventanas 1	100.0	Ventanas 1 se encuentra en Estado de Reserva Estratégica. Por lo tanto, para solicitar su despacho se debe cumplir lo indicado en el “Reglamento de Potencia” (Decreto 62/2006, modificado por el Decreto 42 del 2020), específicamente lo señalado en el “Art. 25 quinquies”

3.4. Limitación Forzada

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Andina-CTA	96.0	Limitada en 170 MW por control emisiones NOx, según y IL 2021001939.
Atacama-1 Diésel	100.0	TG1A limitada en 31 MW con combustible líquido por Alta Diferencial de Cámaras en circuito secundario de petróleo, según IL 2021001894.
Campiche	31.0	Control de abastecimiento de carbón.
Eólica Taltal	100.0	Parque eólico sin control de potencia reactiva, error de Scada, según IL 2021001225.
Guacolda 1	81.8	Limitada en 126 MW por máximo control de válvula de turbina, según IL 2021001247.
Guacolda 2	68.6	Limitada en 105 MW. Causa informada: Por parámetros del sistema de circulación, según IL 2021001973.
Guacolda 4	96.0	Limitada en 143 MW. Causa informada: Control de parámetros del sistema de circulación, según IL 2021001619.
Mejillones-CTM1	74.3	Limitada en 140 y 130 MW por presurización del hogar caldera y temperatura en descarga agua de mar, según IL 202102011 e IL 2021001748.
Mejillones IEM	94.1	Limitada en 355 MW. Causa informada: Alta vibración en descanso N°1 TV, según IL 2021001155.
Norgener-NTO1	100.0	Límitada en 134 MW en revisión de la unidad se verifica que no está dando la Pmax declarada, según IL 2021000072.
Nueva Ventanas	0.0	Control de abastecimiento de carbón.
Solar PV Conejo	97.0	Limitada en 100 MW, según IL 2021001819.
Termopacífico	60.0	Limitada en 60 MW. Causa informada: Alta temperatura de escape en las unidades generadoras.
Tocopilla-U14	62.5	Limitada en 85 MW pora alta temperatura vapor recalentado, según IL 2021000609.
Tocopilla-U15	68.1	Limitada en 90 MW por filtración descarga del desaireador, según IL 2021000376.
Ventanas 2	88.6	Limitada en 195 MW por control de parámetros del sistema de combustión. Según IL 2021001918.

3.5. Mantenimiento Mayor

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Alfalfal	50.0	Mantenimiento Mayor U-1.
Angamos-ANG1	0.0	Mantenimiento mayor, según SD 2021057694.
La Higuera	50.0	Mantenimiento Mayor U-2.
Mejillones-CTM2	0.0	Mantenimiento mayor, según SD 2021064932.

3.6. Prueba de Puesta en Servicio

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
ATACAMA SOLAR S.A.	0.0	En período de puesta en servicio.
CALAMA	0.0	En período de puesta en servicio.
CAMPOS DEL SOL	0.0	En período de puesta en servicio.
CERRO DOMINADOR CSP	0.0	En período de puesta en servicio.
Chagual	0.0	En período de puesta en servicio.
COMBARBALA	0.0	En período de puesta en servicio.
Domeyko	0.0	En período de puesta en servicio.
LOS OLMOS	0.0	En período de puesta en servicio.
MALGARIDA	0.0	En período de puesta en servicio.
MALGARIDA 2	0.0	En período de puesta en servicio.
MALLECO NORTE	0.0	En período de puesta en servicio.
MALLECO SUR	0.0	En período de puesta en servicio.
PFV Diego de Almagro Sur	0.0	En período de puesta en servicio.
PFV RÍO ESCONDIDO	0.0	En período de puesta en servicio.
PFV SANTA ISABEL	0.0	En período de puesta en servicio.
PFV Sol del Desierto	0.0	En período de puesta en servicio.
PFV SOL DE LILA	0.0	En período de puesta en servicio.
PFV Sol de los Andes	0.0	En período de puesta en servicio.
RENAICO 2	0.0	En período de puesta en servicio.
TAMAYA SOLAR	0.0	En período de puesta en servicio.

3.7. Restricción Operativa

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Abanico	100.0	Limitada a un mínimo técnico provisorio de 5 MW. Causa informada: Debe quedar una unidad en servicio para alimentar al cliente externo Frontel, que abastece la zona de Antuco, Abanico y Lago Laja,
Angostura	100.0	C. Angostura U1. Por condición de afluente, se requiere restringir la entrada en servicio de la UG1. La unidad está disponible, pero se debe restringir al máximo su operación, por eventuales fallas o demoras en la puesta en servicio, por lo mismo se requiere dar prioridad a la operación de la Unidad 2 y Unidad 3, solo utilizar la unidad en condición de emergencia por control Cota. No presta SSCC
Antuco	100.0	C. Antuco U-1 y 2 con informe de limitación. Causa informada: La tasa de toma de carga de la central se deberá limitar a 40 MW por cada hora, para no afectar con golpes de agua las obras hidráulicas de los canales de regadío (Zañartu, Collao, Ríos - Pinochet y Antuco), que se encuentran inmediatamente aguas abajo de la descarga de la central Antuco. La potencia mínima de operación de la Unidad N ° 2 es de 80 MW. Debido a la instalación de un sistema que permite inyectar aire en la zona del rodete, excepcionalmente, la unidad N ° 2 puede operar en forma extraordinaria y no permanente bajo el mínimo técnico con una carga de 60 MW (no se permite generar en zonas intermedias para evitar la alta vibración en turbina y corte de pernos en tubo intermedio). Para cargas mayores a 80 MW, la Unidad se debe mantener limitada debido al comportamiento anormal en lógica asociada al set-point del controlador SCADA 800M, por lo que en todo su rango de generación (0 a 160 MW) no participa en el control primario ni secundario de frecuencia (AGC), según IL 2021001197 y 2021001198.
Atacama-1 Diésel	100.0	Disponible para generar con combustible diesel bajo los criterios indicados según autonomía, según IL 2021001792.
Atacama-1 GNL	100.0	Control de emisiones diarias, según IL 2021001953.
Atacama-2 Diésel	100.0	Disponible para generar con combustible diesel bajo los criterios indicados según autonomía, según IL 2021001792.

CENTRALES (≥100 MW)	Disponibilidad (%)	Observaciones
Colbún	100.0	Limitada para partida autónoma de forma automática. Causa informada: Falla de medida de potencial de barra N°1 SS/AA 13.8 KV, según IL 2021000818.
El Toro	100.0	C. El Toro limitado para realizar AGC, según IL2021001180.
Quintero 1A Diésel	0.0	Limitada a operar con diésel por restricciones ambientales, según IL 2020000259.
Quintero 1B Diésel	0.0	Limitada a operar con diésel por restricciones ambientales, según IL 2020000260.
Ralco	100.0	U-1 con limitación. Causa informada: Se requiere mantener unidad 1 en servicio siempre que el sistema lo requiera. Dicho requerimiento se debe a una condición técnica de válvula protección turbina la cual se encuentra trabajando en forma deficiente y por recomendación entregada por especialistas técnicos que indican disminuir los movimientos de apertura y cierre de dicha válvula y así evitar la degradación acelerada y una indisponibilidad de la unidad por un tiempo prolongado. Se solicita: En caso de que programa de generación requiera una sola unidad en servicio permanente, priorizar despacho de U-1. En caso de que programa de generación requiera una sola unidad y no de forma permanente, priorizar despacho de U-2. En caso de que programa de generación requiera ambas Unidades en servicio y por condiciones de sistema se deba detener una de las unidades, priorizar detención de U-2, según IL 2021001531.
San Isidro 1 Diésel	100.0	Limitación operación Combustible de Respaldo; Conforme a la Resolución de Calificación Ambiental (RCA) N° 2/97, de la Comisión Regional del Medio Ambiente (COREMA) de Valparaíso, y la RES. EXTA. N° 25/97, del Director Ejecutivo de la Comisión Nacional de Medio Ambiente (CONAMA), que aprueba la operación de la Unidad I de San Isidro, el uso del combustible de respaldo (Diésel) tiene lugar en caso de emergencia, originada en la falla del suministro de gas natural por una causa fortuita o de fuerza mayor que interrumpa el suministro desde los yacimientos de Argentina y que exista una alta demanda que no sea posible abastecer con centrales hidroeléctricas y térmicas a carbón. El Uso del Combustible no exime del cumplimiento de la Norma de emisión contenida en el RCA y en DS N° 13 Norma de emisión de Centrales Térmicas., según IL 2021000298.
San Isidro 2 Diésel	100.0	Limitación operación Combustible de Respaldo; Conforme a la Resolución de Calificación Ambiental (RCA) N° 340/2005, de la Comisión Regional del Medio Ambiente (COREMA) de Valparaíso, que aprueba la Operación de la Unidad II de San Isidro, el uso del combustible de respaldo (Diésel) tiene lugar en caso de emergencia. Las condiciones de emergencia considerarán, las posibles fallas en el sistema de transporte de gas y fallas operacionales. Las situaciones de emergencia producidas por fallas en el transporte de gas se definen como aquellas situaciones en que, estando temporalmente afectada la Central por problemas de abastecimiento de gas, los requerimientos del Coordinador Eléctrico Nacional demanden a la Central el uso de petróleo Diésel, con el objeto de suplir la demanda de energía eléctrica del sistema, por encontrarnos en esta condición. El Uso del Combustible no exime del cumplimiento de la Norma de emisión contenida en el RCA y en DS N° 13 Norma de emisión de Centrales Térmicas, según IL 2021000299.
Santa María	100.0	Tiempo de estabilización de 2 horas (solo para cambios en el sentido de la carga), según IL 20200001130. Control terciario de frecuencia CTF con limitación. Causa informada: No se puede aplicar CTF mientras este vigente la limitación 2020001130, según IL 2020001885.
Solar Luz del Norte	100.0	Indisponible para el AGC. Causa informada: No obedece consiga de bajada, según IL 2020001994.
Taltal 1 Diésel	100.0	Durante el Mantenimiento Mayor de Unidad TG1 se detectan grietas en carcaza, por lo cual se requiere limitar arranques de la misma por parte de especialistas. Por consiguiente, se solicita dar como prioridad de despachos a Unidad TG2. En caso de requerir despacho de ambas unidades, la unidad TG1 podrá operar sin restricciones, según IL 2021001458.
Taltal 1 GNL	100.0	Durante el Mantenimiento Mayor de Unidad TG1 se detectan grietas en carcaza, por lo cual se requiere limitar arranques de la misma por parte de especialistas. Por consiguiente, se solicita dar como prioridad de despachos a Unidad TG2. En caso de requerir despacho de ambas unidades, la unidad TG1 podrá operar sin restricciones, según IL 2021001458.
Tocopilla-U16 GNL	100.0	Con restricción a participar en CPF, según IL 2021001815.

4.1. Observaciones

Hora	Centro de Control	Observación
00:00	CDC	Cs. PFV Loma Los Colorados, PE Lebu (ampliación de 6,5 a 10 MW), Loma Los Colorados 2 (U-15 y 16), Dos Valles, Chagual (Ex Los Cóndores), PFV Azabache, PFV Río Escondido, PFV Campos de Sol, PE Negrete 2, CSP Cerro Dominador, PE Malleco Sur/Norte, Aillín, Combarbalá, PE Calama, PE Alena y PFV Sol del Desierto continúan en período de puesta en servicio.
00:00	Enel Transmisión	SDAC deshabilitado.
00:00	Colbún	C. Colbún se declara en condición de agotamiento con la cota 412.98 m.s.n.m. y un afluente de 314 MWh.
00:05	Hidro Maule	C. Mariposas sincronizada en pruebas.
00:38	Chilquinta	Línea de 220 kV Ciruelos - Cerros de Huichahue 1 y Cerros de Huichahue - Nueva Pichirropulli 1 abierta para regular tensión.
00:38	Transelec	Línea de 220 Ralco - Charrúa 1 abierta para regular tensión.
00:56	Transelec	Línea de 220 kV Ciruelos - Valdivia 2 abierta para regular tensión.
00:59	CGE	S/E Chillán interruptor B2 abierto, normalizando la topología.
01:01	Transelec	Línea de 220 kV El Laurel - Nueva Pichirropulli 1 abierta para regular tensión.
01:05	Hidro Maule	C. Mariposas disponible y en servicio.
01:19	Transelec	Línea de 500 kV Ancoa - Entre Ríos 2 abierta para regular tensión.
01:44	Angloamerican	S/E Chagres transfiere sus consumos hacia S/E Esperanza, normalizando la topología.
01:47	Chilquinta	S/E San Felipe y San Rafael transferencia automática de consumos habilitada.
03:27	CGE	SS/EE Nahuelbuta, Angol y Collipulli transferida hacia S/E Los Peumos por control de transferencia de la línea de 66kV Los Ángeles - Buenos Aires.
03:33	Transelec	Línea de 220 kV Canutillar - Puerto Montt 1 abierta para regular tensión.
03:42	Gen. Metropolitana	S/E Santiago Solar 52H2 de línea de 110 kV Cerro Navia - Santiago Solar cerrado.
03:44	Chilquinta	S/E Casablanca transfiere sus consumos hacia S/E Laguna Verde, normalizando la topología.
05:58	AES Andes	S/E Mesamávida interruptor AT1 interrupción forzada por protecciones, según IF 2021002385.
06:55	Transelec	Línea de 500 kV Ancoa - Entre Ríos 2 cerrada.
07:00	Puntilla	C. Itata con solicitud de desconexión de curso forzoso. Causa informada: Microcorte de CGE para normalizar topología en sus instalaciones, según SDCF 2021073678.
07:00	Enel Transmisión	SDAC habilitado.
07:13	Transelec	Línea de 500 kV Ancoa - Jahuel 2 cerrada.
07:18	Puntilla	C. Itata cancelada solicitud de desconexión de curso forzoso, según SDCF 2021073678.
07:38	Transelec	Línea de 220 kV Alto Jahuel - Chena 4 interrupción forzada por protecciones, según IF 2021002382.
07:49	Transelec	Línea de 500 kV Changos - Kimal 1 cerrada.
08:02	Engie Transmisión	Línea de 100 kV Chuquicamata - 10 con solicitud de desconexión de curso forzoso. Causa informada: Lavado de aisladores por alta contaminación, según SICF 2021073667.
08:03	Interchile	S/E Nueva Pan de Azúcar conectada CCSS de línea de 500 KV Nueva Pan de Azúcar - Polpaico 1 y 2.
08:08	Transelec	Línea de 220 Ralco - Charrúa 1 cerrada.
08:28	Transelec	Línea de 220 kV Ciruelos - Valdivia 2 cerrada.
08:31	Transelec	Línea de 220 kV Canutillar - Puerto Montt 1 cerrada.
08:32	Transelec	Línea de 220 kV El Laurel - Nueva Pichirropulli 1 cerrada.
09:35	Chilquinta	Línea de 220 kV Ciruelos - Cerros de Huichahue 1 y Cerros de Huichahue - Nueva Pichirropulli 1 cerrada.
09:44	Transelec	Línea de 220 kV Alto Jahuel - Chena 4 cerrada, según IF 2021002382.
10:00	Enel Transmisión	S/E Cerro Navia habilitado trip por contingencia específica del ATR 1 ó 2 de 220/110 kV, 400 MVA sobre líneas de 110 kV El Salto - Cerro Navia 1 y 2.

Hora	Centro de Control	Observación
10:33	Transelec	S/E Kimal ATR N°1 de 500/220 kV, 750 MVA cerrado.
10:41	Engie Transmisión	S/E Tocopilla abierto interruptor seccionador de barras JR. U-15 conectada a barra 1 de 220 kV inyectando generación hacia S/E Crucero 220 kV y U-14 conectada a barra 2 de 220 kV inyectando generación hacia 110 kV por medio de transformador Booster.
10:42	Engie Transmisión	Línea de 220 kV Tocopilla - Crucero 6A abierta.
10:42	Engie Generación	C. Mejillones CTM1 sale de servicio en forma intempestiva con 125 MW, según IF 2021002384.
10:54	STS	Línea de 66 kV Purranque - Frutillar 2 interrupción forzada por protecciones. Causa informada: Conductor cortado entre estructuras 366 y 367, según IF 2021002388.
11:11	Codelco Salvador	Línea 110 kV Diego de Almagro - Potrerillos con solicitud de desconexión de curso forzoso. Causa informada: Cambio de aislación dañada en estructura 167, según SDCF 2021073679 y 2021073766.
11:37	RNE	S/E Don Héctor interruptor J12 abierto por control de transferencia línea de 220 kV Punta Colorada - Pan de Azúcar.
11:38	Transelec	S/E Don Héctor interruptores J1, J4 y J9 abiertos por control de transferencia línea de 220 kV Punta Colorada - Pan de Azúcar.
11:42	Transelec	Línea de 220 KV Alto Jahuel - Chena 2, 3 y 4 con solicitud de intervención de curso forzoso. Causa informada: Inspección visual de la línea con trepado de estructuras para investigar casa de falla IF 2021002382, según SICF 2021073774, 2021073776 y 2021073773.
11:42	Transelec	Línea de 220 kV Neptuno - Chena con solicitud de intervención de curso forzoso. Causa informada: Inspección visual de la línea con trepado de estructuras para investigar causa de falla IF 2021002382, según SICF 2021073775.
11:48	CGE	Línea de 110 kV Cóndores - Alto Hospicio - Cerro Dragón interrupción forzada por protecciones con reconexión automática con éxito, según IF 2021002386.
11:52	Enor Chile	S/E Pallata 52J2 y 52J3 interrupción forzada por protecciones. Causa informada: Intervención fortuita relacionada con SI 2021064853.
12:12	Engie Transmisión	Línea de 100 kV Chuquicamata - 10 cancelada solicitud de desconexión de curso forzoso, según SICF 2021073667.
12:50	CGE	Línea de 110 kV Cóndores - Alto Hospicio - Cerro Dragón interrupción forzada por protecciones con reconexión automática con éxito, según IF 2021002387.
13:07	Transelec	S/E Encuentro 52JR que servía a línea de 220 kV Encuentro - Miraje interrupción forzada por protecciones. Causa informada: Intervención fortuita, según IF 2021002389.
13:09	Transelec	Línea de 220 KV Alto Jahuel - Chena 2, 3 y 4 canceladas solicitudes de intervención de curso forzoso, según SICF 2021073774, 2021073776 y 2021073773.
13:09	Transelec	Línea de 220 kV Neptuno - Chena cancelada solicitud de intervención de curso forzoso, según SICF 2021073775.
13:30	Transelec	S/E Encuentro interruptor JR cerrado, según IF 2021002389.
14:13	Enel Generación	C. Sauzalito con solicitud de intervención de curso forzoso. Causa informada: Limpieza de emergencia en hidroyector que se encuentra obstruido, según SICF 2021073841.
14:54	Gen. Metropolitana	S/E Santiago Solar 52H2 de línea de 110 kV Cerro Navia - Santiago Solar abierto por control transferencia línea de 110 kV Quillota - San Pedro.
15:51	Transelec	S/E Encuentro interruptor JR con interrupción forzada por protecciones. Causa informada: Intervención fortuita por trabajos en paño J11, según IF 2021002391.
15:56	Comasa	C. Lautaro 1 sincronizada en pruebas, según SDCF 2021073111.
16:11	Besalco	C. Convento Viejo U-1 sale del servicio en forma intempestiva con 5 MW. Causa informada: Falla en sistema de refrigeración, según IF 2021002392.
16:23	CGE	Línea de 66 kV Andalicán - Horcones 1 con solicitud de intervención de curso forzoso. Causa informada: Retirar corteza de árbol que puede provocar falla, según SICF 2021073889.
16:30	Besalco	C. Convento Viejo U-1 disponible, según IF 2021002392.
16:36	Transelec	S/E Encuentro interruptor JR cerrado, según IF 2021002391.
16:53	Imelsa -Crell	C. Trincao limitada a 9 MW. Causa informada: Unidades N°: 1, 2, 3, 4 y 5 en mantenimiento mayor, según IL 2021002025.
16:55	Engie Generación	C. Hornitos CTH baja a 110 MW con solicitud de intervención de curso forzoso. Causa informada: Normalización por falla en alimentador de carbón N°5, según SICF 2021074013.
17:11	STS	Línea de 66 kV Purranque - Frutillar 2 cerrada, según IF 2021002388.
17:13	CGE	Línea de 66 kV Andalicán - Horcones 1 cancelada solicitud de intervención de curso forzoso, según SICF 2021073889.
17:24	Comasa	C. Lautaro 1 cancelada solicitud de desconexión de curso forzoso SDCF 2021073111.
17:48	Transelec	Línea de 500 kV Changos - Kimal 1 abierta para regular tensión.
17:48	Transelec	S/E Kimal ATR N°1 de 500/220 kV, 750 MVA abierto.
17:50	Engie Transmisión	Línea de 220 kV Tocopilla - Crucero 6A cerrada.
17:51	Engie Transmisión	S/E Tocopilla interruptor seccionador de barras JR normalizado.
18:07	Transelec	S/E Don Héctor interruptores J1, J4 y J9 cerrados.
18:09	RNE	S/E Don Héctor interruptor J12 cerrado.
18:16	AES Andes	C. Angamos ANG2 limitada en 220 MW. Causa informada: Bajo nivel del domo, según IL 2021002026.

Hora	Centro de Control	Observación
18:21	Interchile	S/E Nueva Pan de Azúcar desconectada CCSS de línea de 500 KV Nueva Pan de Azúcar - Polpaico 1 y 2.
18:22	Colbún	C. Hornitos disponible, en servicio, según IF 2021002374.
18:38	CGE	Líneas de 66 kV Duqueco - Faenas Pangue interrupción forzada por protecciones con reconexión automática con éxito, según IF 2021002393.
18:40	Transelec	Línea de 220 kV Canutillar - Puerto Montt 1 y 2 con reconexión automática inhabilitada por nevazón en la zona.
19:18	STS	S/E Frutillar interruptor CT2 general de media tensión interrupción forzada por protecciones y se pierden 5.6 MW de consumos. Causa informada: Sobrecarga, según IF 2021002394.
19:30	Acciona	S/E Frutillar interruptor CT2 cerrado y recuperado los consumos, según IF 2021002394.
19:36	Celeoredes	S/E Charrúa cancelada limitación, según IL 2021002018.
19:50	Colbún	S/E Colbún transformador de 220/66 kV, 25 MVA con solicitud de desconexión de curso forzoso. Causa informada: Normalizar punto caliente agua arriba del interruptor 52CT2 del switchgear, según SDCF 2021074018.
20:28	Transelec	Línea de 220 kV Canutillar - Puerto Montt 2 con solicitud de desconexión de curso forzoso. Causa informada: Por nevadas en la zona se mantendrá en servicio línea 220kV Canutillar - Puerto Montt 1, según SDCF 2021074020.
21:00	Scotta	C. Callao sale de servicio en forma intempestiva con 1.2 MW. Causa informada: Falla interna, según IF 2021002395.
22:45	Transelec	Línea de 110 kV Diego de Almagro - Llanta 2 y Línea de 110 kV Diego de Almagro - Salvador interrupción forzada por protecciones, se pierden 40 MW aprox. de consumos de Minera El Salvador. Causa informada: se investiga, según IF 2021002397 y 2021002396.
23:10	Transelec	Línea de 110 kV Diego de Almagro - El Salvador cerrada.
23:14	Transelec	Línea de 110 kV Diego de Almagro - Llanta 1 interrupción forzada por protecciones, se pierden 26 MW de consumos de Minera El Salvador, según IF 2021002398.
23:23	Chilquinta	Línea de 220 kV Ciruelos - Cerros de Huichahue 2 y Cerros de Huichahue - Nueva Pichirropulli 2 abierta para regular tensión.
23:39	Transelec	Línea de 110 kV Diego de Almagro - El Salvador interrupción forzada por protecciones, según IF 2021002399.

4.2. Otras Observaciones

Hora	Centro de Control	Observación
00:20	CDC	La mayor tasa de disminución de generación Bruta, calculada cada 5 minutos, fue de -25 [MW/m]
01:00	CDC	La mayor disminución de generación Bruta horaria fue de -650.9 [MW]
08:00	CDC	La mayor tasa de aumento de generación Bruta, calculada cada 5 minutos, fue de 28.6 [MW/m]
18:00	CDC	El mayor aumento de generación Bruta horaria fue de 902.4 [MW]

4.3. Primera Energización de Instalaciones

Hora	Control de Control	Empresa	Instalación
11:48	Enor Chile	AR Tchamma SpA	PE Tchamma Primera energización 52F5
11:50	Enor Chile	AR Tchamma SpA	PE Tchamma Primera energización 52F6

SISTEMA ELÉCTRICO NACIONAL

INDISPONIBILIDAD SCADA SEN

Centro de Control	Instalación	Fecha F/S	Hora F/S	Fecha E/S	Hora E/S
Cenizas	S/E Cenizas sin datos SCADA.	06/02/2017	18:50		
Elektragen	Cs. Constitución y Maule datos SCADA.	07/11/2017	08:00		
AES Andes	S/E Mantos Blancos sin datos SCADA.	18/11/2017	18:31		
Enel Generación	S/E Pilmaiquén interruptores B1 Osorno1 y B2 Osorno 2 datos SCADA F/S.	06/12/2018	11:59		
Collahuasi	S/E Collahuasi patio 2 sin datos SCADA.	10/12/2019	16:50		
Enor Chile	C. Ujina sin datos Scada	10/12/2019	16:50		
Enlasa	C. El Peñón sin datos SCADA.	18/12/2019	00:41		
Energía Pacífico	C. Energía Pacífico datos SCADA F/S.	23/06/2020	21:30		
Enlasa	S/E Diego de Almagro 220 kV paño J2 y C. San Lorenzo 2 y 3 datos SCADA F/S.	07/08/2020	18:00		
Codelco Ventanas	S/E Tap Off Codelco Ventanas	24/11/2020	11:46		
Engie Transmisión	S/E Tap Off Quiani 52B1 sin cambio de estado.	20/12/2020	00:00		
TEN	S/E Cumbre dato de T° erróneo.	05/01/2021	11:00		
Enel Generación	C. Ralco sin datos cota y temperatura.	04/06/2021	14:00		
Prime Energía	C. Emelda sin cambio de estado en Scada.	05/08/2021	07:30		
STS	S/E Rio Tolten paños J4, J5 y J6 sin Telecontrol.	14/08/2021	09:58		
Colbún	S/E Zaldivar sin datos SCADA.	15/08/2021	07:30		
CGE	Datos scada completa.	24/08/2021	17:07		

SISTEMA ELÉCTRICO NACIONAL

COMUNICACIONES SEN

Centro de Control	Instalación	Fecha F/S	Hora F/S	Fecha E/S	Hora E/S
Cenizas	Hot line.	07/10/2018	11:50		
Mariposas	Hot line.	23/02/2019	05:00		
ENAP BíoBío	Hot line.	31/10/2020	07:30		
SWC	TG Salvador Hot line.	28/02/2021	12:00		
Cenizas	No contestan el teléfono fijo.	06/08/2021	17:09		
STS	Hot line.	22/08/2021	07:45		

ANEXO Nº4

Detalle de mantenimientos programados y forzados correspondientes al día 24 de agosto de 2021

Reporte Desconexión/Intervención Subestacion
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Subestacion: 83

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	SubEstación	Elemento(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021071675	Subestacion	Ejecución Exitosa	AES ANDES	Desconexión	Origen Interno	Programada	S/E CENTRAL ALFALFAL	S/E CENTRAL ALFALFAL J5 S/E CENTRAL ALFALFAL J6	Otro Tipo de Trabajo		Estandarización de torres e instalación de peinetas antipajaro, Torre 02 a la torre 31.	Riesgo es bajo debido a que LT 220 kV Alfalfal-Alfalfal 2 Cto. N°1 y Cto N°2 se encuentran fuera de servicio.	No genera indisponibilidad. LT 220 kV Alfalfal-Alfalfal 2 Cto. N°1 y Cto. N°2 se encuentran fuera de servicio.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:16	24-08-21 15:39
2021072149	Subestacion	Ejecución Exitosa	AES ANDES S.A.	Intervención	Origen Interno	Programada	S/E CENTRAL QUELTEHUES	S/E CENTRAL QUELTEHUES E1	Otro Tipo de Trabajo		En Alimentador Yeso 23 kV: Reparacion de Tirantes cortados y Retiro de cuerpo extraño	Riesgo bajo, intervención se realizará con supervisión presente	En SE Quelthehues: No reconectar 52E1	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:11	24-08-21 14:04
2021071703	Subestacion	Ejecución Exitosa	AES GENER	Intervención	Origen Interno	Programada	S/E NORGENER	BA S/E NORGENER 13.8KV NTO1 BA S/E NORGENER 13.8KV NTO2 BA S/E NORGENER 220KV-BP1 BA S/E NORGENER 220KV-BP2 BA S/E NORGENER 5.3KV BA S/E NORGENER 5KV-B1 BA S/E NORGENER 5KV-B2	Lavado de Aislación	0	Lavado de S/E Norgener	Riesgo bajo ya que es trabajo preventivo semanal	S/E Norgener: Señalizar y Reconexión F/S 52J1 y 52J2, S/E Cruzero: Señalizar y Reconexión F/S 52J12 y 52J13, S/E La Cruz: Señalizar y No Reconectar 52J1 - 52J2 - 52J-T1 - 52J-T2, S/E Barriles: Señalizar y No Reconectar 52J1 , 52J2 , 52H-T1.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:18	24-08-21 16:38
2021066991	Subestacion	Ejecución Exitosa	AES GENER	Intervención	Origen Externo	Programada	S/E ANDES (AES ANDES)	otros: telecomunicacion	Otro Tipo de Trabajo	0	Proyecto Sol de Lila, paño de conexión 220 kV: Trabajos generales de obras civiles y montaje eléctrico en isla.	Bajo riesgo , se toman todas las medidas para ejecutar el trabajo en forma segura.	Proyecto Sol de Lila, Paño de conexión 220 kV: Trabajos Generales de Obras Civiles en Isla Restricciones: SE Andes : No Reconectar: 2520J, 2520K, 2530S, 2520L, 2520J7, 2520B, 2520J0 , 3528D2, 3528D4, 3527C1/2, 3527C3/4, 3522A01, 3527C103, 3522A03.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 20:00	24-08-21 09:54	24-08-21 20:09
2021063259	Subestacion	Ejecución Exitosa	AES GENER	Intervención	Origen Externo	Programada	TAP OFF LA CRUZ	otros: tendido_cable	Otro Tipo de Trabajo	0	Trabajos generales en zona isla (I&C), conexión 220 kV central fotovoltaica. Restricciones : Tao Off La Cruz: No reconectar 52J1. 52J71. 52B1. 52E	Riesgo bajo , se toman todas las medidas de seguridad para eiecutar el trabaio en forma seaura.	Tap Off La Cruz: No reconectar 52J1, 52J71, 52B1, 52E	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 19:00	24-08-21 08:18	24-08-21 18:15
2021071331	Subestacion	Ejecución Exitosa	ANGLO AMERICAN LOS BRONCES	Desconexión	Origen Interno	Programada	S/E LOS MAITENES	LOS MAITENES 220/69/15KV 60MVA 2	Otro Tipo de Trabajo		Se realizará reparación de puntos calientes en zona cercana a interruptor 52J2 220 kV detectados en inspección por personal de mantenimiento predictivo	La finalidad de los trabajos es la reparación de puntos calientes detectados durante inspecciones por personal de mnatenimiento predictivo. Los riesgos que presenta el trabajo son shock eléctrico , caida de altura , gopeado por. Se tomarán las medidas administrativas como PT, AST, SODI, Guia de maniobras etc, Ademas se usará EPP especial como ropa ignifuga , arnes para caidas etc. En desarrollo del trabajo se ocupará escalera con plataforma entre otras medidas.	No existiran consumos afectados ya que cargas se seguirán alimentando por transformadores 1 y 3 de S/E Los Maitenes.	No tiene consumo afectado		ninguno			24-08-21 08:00	25-08-21 18:00	24-08-21 11:12	24-08-21 16:22
2021072595	Subestacion	Ejecución Exitosa	AR CERRO TIGRE SPA	Desconexión	Origen Interno	Programada	S/E CENTRAL CERRO TIGRE [EN_REVISION]	BA CENTRAL CERRO TIGRE 33KV BP1 [EN_REVISION]	Otro Tipo de Trabajo			El riesgo del trabajo es bajo.	Desconexión de barra N°1 33kV de S/E Central Cerro Tigre para realizar verificaciones en celdas de media tensión y pruebas de aislación y continuidad en conductores de los circuitos de media tensión. Condiciones requeridas: A disposición de jefe de faena: 52FT11, 52F4, 52F5 en S/E Central Cerro Tigre.	No tiene consumo afectado		ninguno			24-08-21 08:00	27-08-21 18:00	24-08-21 10:11	01-09-21 09:12
2021065799	Subestacion	Ejecución Exitosa	CAP CMP	Intervención	Origen Interno	Programada	S/E TOTORALILLO (CAP CMP)	S/E TOTORALILLO J1 S/E TOTORALILLO JT1 S/E TOTORALILLO S/E TOTORALILLO 220KV BP1	Lavado de Aislación		Lavado de aislación de Equipos Primarios de SubEstación Totoralillo (220/23 kV) con sistema energizado	Pérdida del suministro eléctrico a faenas CMP alimentadas desde SubEstación Totoralillo 220/23 kV	Trabajo rutinario que se efectúa cada 30 días	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 07:11	24-08-21 12:43
2021071212	Subestacion	Ejecución Exitosa	CERRO DOMINADOR CSP S.A.	Intervención	Origen Interno	Programada	S/E CERRO DOMINADOR	S/E CERRO DOMINADOR J3	Otro Tipo de Trabajo		Integración de las protecciones del proyecto CSP Cerro Dominador al sistema SLRP. Trabajos consistirán en realizar cambios en el proyecto SLRP actual, Verificar descargas de osciloграfias, eventos y ajustes de forma automática por el proyecto SLRP y pruebas SAT. Sin condiciones requeridas.	El riesgo del trabajo es bajo.	Integración de las protecciones del proyecto CSP Cerro Dominador al sistema SLRP. Trabajos consistirán en realizar cambios en el proyecto SLRP actual, Verificar descargas de osciloграfias, eventos y ajustes de forma automática por el proyecto SLRP y pruebas SAT. Sin condiciones requeridas.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:01	24-08-21 18:32
2021071211	Subestacion	Ejecución Exitosa	CERRO DOMINADOR CSP S.A.	Intervención	Origen Interno	Programada	S/E CSP CERRO DOMINADOR	S/E CSP CERRO DOMINADOR JT1 S/E CSP CERRO DOMINADOR CT2	Otro Tipo de Trabajo		Integración de las protecciones del proyecto CSP Cerro Dominador al sistema SLRP. Trabajos consistirán en realizar cambios en el proyecto SLRP actual, Verificar descargas de osciloграfias, eventos y ajustes de forma automática por el proyecto SLRP y pruebas SAT. Sin condiciones requeridas.	El riesgo del trabajo es bajo.	Integración de las protecciones del proyecto CSP Cerro Dominador al sistema SLRP. Trabajos consistirán en realizar cambios en el proyecto SLRP actual, Verificar descargas de osciloграfias, eventos y ajustes de forma automática por el proyecto SLRP y pruebas SAT. Sin condiciones requeridas.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:01	24-08-21 18:32
2021071285	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E LAS COMPAÑIAS	S/E LAS COMPAÑIAS H2	Otro Tipo de Trabajo		A solicitud de TRANSELEC, Según Sodi 2522; Se solicita inhabilitar reconexión 52H2 de S/E Las Compañías, por trabajos en sus instalaciones.	Riesgo controlado por TRANSELEC.	.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:15	24-08-21 15:43
2021070963	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E PUNTA DE CORTES	S/E PUNTA DE CORTES AT	Otro Tipo de Trabajo	0	A solicitud de TRANSELEC según SODI 615, no reconectar interruptor 52AT de S/E Punta de cortes, interruptor 52AT de S/E Paine, interruptores 52A1 y 52A2 de S/E Fátima e interruptores 52A1 y 52A2 de S/E Malloa.	Riesgo controlado por TRANSELEC.	A solicitud de TRANSELEC según SODI 615, no reconectar interruptor 52AT de S/E Punta de cortes, interruptor 52AT de S/E Paine, interruptores 52A1 y 52A2 de S/E Fátima e interruptores 52A1 y 52A2 de S/E Malloa.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:15	24-08-21 14:29
2021070957	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E PUNTA DE CORTES	S/E PUNTA DE CORTES AT	Roce y pode franja servidumbre	0	A solicitud de TRANSELEC según SODI 610, no reconectar interruptor 52AT de S/E Punta de cortes, interruptor 52AT de S/E Paine, interruptores 52A1 y 52A2 de S/E Fátima e interruptores 52A1 y 52A2 de S/E Malloa.	Riesgo controlado por TRANSELEC.	A solicitud de TRANSELEC según SODI 610, no reconectar interruptor 52AT de S/E Punta de cortes, interruptor 52AT de S/E Paine, interruptores 52A1 y 52A2 de S/E Fátima e interruptores 52A1 y 52A2 de S/E Malloa.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:59	24-08-21 18:39
2021070825	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E CONSTITUCION	S/E CONSTITUCION B1	Roce y pode franja servidumbre	0	A solicitud de TRANSELEC, según Sodi 0617, se solicita No reconectar interruptor 52B1 de S/E Constitución ni interruptores 52BT1 Y 52BT2 de S/E Nirivilo por trabajos en sus instalaciones.	Riesgo controlado por TRANSELEC.	.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:59	24-08-21 17:47
2021069805	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E MONTE PATRIA	S/E MONTE PATRIA ET2 S/E MONTE PATRIA CT1	Otro Tipo de Trabajo	0	A solicitud de TRANSELEC según SODI N° 2488, no reconectar 52CT1 y 52ET2.	Riesgo controlado por TRANSELEC.	A solicitud de TRANSELEC según SODI N° 2488, no reconectar 52CT1 y 52ET2.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:15	24-08-21 18:00
2021069339	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E LAS COMPAÑIAS	S/E LAS COMPAÑIAS H2	Lavado de Aislación		A solicitud de TRANSELEC, Según Sodi 2466, Se solicita inhabilitar reconexión 52H2 de S/E Las Compañías, por trabajos en sus instalaciones.	Riesgo controlado por TRANSELEC.	.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:15	24-08-21 15:43
2021069283	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	S/E LAS COMPAÑIAS	S/E LAS COMPAÑIAS H2	Lavado de Aislación	0	A solicitud de TRANSELEC según SODI N° 2466, no reconectar y bloquear reconexión automática del 52H2.	Riesgo controlado por TRANSELEC.	A solicitud de TRANSELEC según SODI N° 2466, no reconectar y bloquear reconexión automática del 52H2.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:16	24-08-21 06:17
2021069109	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Externo	Programada	TAP OFF EL EDEN	TAP OFF EL EDEN H1	Lavado de Aislación	0	Lavado de aislación Equipos Primarios solicitado por Transelec	Nivel de riesgo medio, controlado.	Se requiere el bloqueo de reconexión del 52H1 S/E TAP El Eden por lavado de aislación que realizara en sus instalaciones Transelec, condición que se mantendrá durante la ejecución efectiva de los trabajos.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:15	24-08-21 15:48
2021067324	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	S/E LAS COMPAÑIAS	S/E LAS COMPAÑIAS H1-H2-HT	Relleno de SF6	0	Relleno de gas SF6 del interruptor 52HT,52H1 y 52H2 de S/E Las compañías.	Riesgo mínimo, bajo procedimientos internos de CGE.	Relleno de gas SF6 del interruptor 52HT,52H1 y 52H2 de S/E Las compañías.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 16:00	24-08-21 08:39	24-08-21 09:57
2021066791	Subestacion	Ejecución Exitosa	CGE	Desconexión	Origen Interno	Programada	S/E PACIFICO	otros: tendido_cable	Otro Tipo de Trabajo		Se realizaran pruebas en el relé micom del alimentador 52C7 Juan Martinez	Trabajo con bajo nivel de riesgo.	Se solicita realizar transferencia de consumos del alimentador 52C7 Juan Martinez, Carro se retirará a modo prueba , interruptor debe quedar a disposición del jefe de faena para realizar pruebas.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 18:00	24-08-21 08:54	24-08-21 16:47
2021065252	Subestacion	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	S/E QUIANI	QUIANI 66/13.8KV 4.5/5.625MVA T1	Lavado de Aislación		Se realizara Lavado de Aislación a equipos y paños.	Faena con Riesgo Bajo, se trabajara con los Procedimientos para Lavado de Aislación y con los Epp para la tarea asignada.	Se solicitaran las aperturas de los Equipos : 52B1 - 52BT1 - 52BT2 - 52BT3 - 52CT1 - 52CT2 - 52CT3 y las apertura de los respaldo de los equipos de distribución : 89 C12-1 - 89 C13-1. Todos los consumos serán transferidos a SSEE Chinchorro	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:06	24-08-21 13:23
2021065250	Subestacion	Ejecución Exitosa	CGE	Desconexión	Origen Interno	Programada	TAP OFF QUIANI	BA S/E TAP OFF QUIANI 66KV	Lavado de Aislación		Se realizara Lavado de Aislacion a Equipo Tap Off Quiani	Faena con Riesgo Bajo, se trabajara con Procedimientos y los Epp para cada tarea asignada.	Se realizara Lavado de Aislacion. En SSEE Parinacota se solicita la apertura del 52B3 paño Quiani, Linea Parinacota Tap off Quiani-Quiani. En SSEE Quiani la apertura del 52B1. Todos los consumos serán transferidos a SSEE Chinchorro	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:06	24-08-21 13:23
2021072600	Subestacion	Ejecución Exitosa	CHILQUINTA ENERGÍA S.A.	Intervención	Origen Interno	Programada	S/E CONCON		Otro Tipo de Trabajo		Normalización de GPS de la subestación Concón. Durante los trabajos debido a la intervención en la RTU es necesario que el switch Local/Remoto se encuentre en LOCAL durante la totalidad de los trabajos.	Riesgo bajo. Trabajo controlado y planificado.	SE Concón en LOCAL durante los trabajos.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 18:00	24-08-21 12:19	24-08-21 17:27
2021072599	Subestacion	Ejecución Exitosa	CHILQUINTA ENERGÍA S.A.	Intervención	Origen Interno	Programada	S/E PLAYA ANCHA		Otro Tipo de Trabajo		Normalización de GPS de la subestación Playa Ancha. Durante los trabajos debido a la intervención en la RTU es necesario que el switch Local/Remoto se encuentre en LOCAL durante la totalidad de los trabajos.	Riesgo bajo. Trabajo controlado y planificado.	SE Playa Ancha en LOCAL durante los trabajos.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 18:00	24-08-21 09:33	24-08-21 12:19
2021071312	Subestacion	Ejecución Exitosa	CHILQUINTA ENERGÍA S.A.	Intervención	Origen Interno	Programada	S/E SAN PEDRO (CTNG)	S/E SAN PEDRO (AES GENER) H4 S/E SAN PEDRO (AES GENER) H5 S/E SAN PEDRO (AES GENER) HBP2 S/E SAN PEDRO (AES GENER) C1 S/E SAN PEDRO (AES GENER) C2 S/E SAN PEDRO (AES GENER) C3 S/E SAN PEDRO (AES GENER) C4 S/E SAN PEDRO (AES GENER) C5 S/E SAN PEDRO (AES GENER) C6 S/E SAN PEDRO (AES GENER) C5 S/E SAN PEDRO (AES GENER) CT1 S/E SAN PEDRO (AES GENER) CT2 S/E SAN PEDRO (AES GENER) HBP1 S/E SAN PEDRO (AES GENER) HT1 S/E SAN PEDRO (AES GENER) HT2 S/E SAN PEDRO (AES GENER) HT S/E SAN PEDRO (AES GENER) 12KV BP1 S/E SAN PEDRO (AES GENER) 12KV BP2	Lavado de Aislación		Trabajo relacionado con lavado de aislación al patio 110kV. Los trabajos se realizarán con bloqueo a la reconexión.	Riesgo bajo, programado y controlado.-	Los trabajos se realizarán con la instalación en servicio.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 14:32	24-08-21 17:28
2021071310	Subestacion	Ejecución Exitosa	CHILQUINTA ENERGÍA S.A.	Intervención	Origen Interno	Programada	S/E SAN LUIS	S/E SAN LUIS J6 S/E SAN LUIS J7	Lavado de Aislación		Trabajo relacionado con lavado de aislación al patio 110kV. Los trabajos se realizarán con bloqueo a la reconexión.	Riesgo bajo, programado y controlado.-	Los trabajos se realizarán con la instalación en servicio.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:12	24-08-21 13:44
2021071670	Subestacion	Ejecución Exitosa	CODELCO CHILE - DIVISIÓN MINISTRO HALES	Desconexión	Origen Interno	Programada	S/E MMH	S/E MMH E5	Mantenimiento preventivo		Mantenimiento a Paño acoplador de Barras en S/E MMH.	Riesgo bajo, mantenimientos se realizarán con equipo desenergizado	S/E MMH: 52JAB A DISPOSICION DEL JEFE DE FAENA S/E MMH: 89JAB-1 ABIERTO Y BLOQUEADO S/E MMH: 89JB-1T CERRADO Y BLOQUEADO S/E MMH: 89JB-2T CERRADO Y BLOQUEADO S/E MMH: 89JAB-2 ABIERTO Y BLOQUEADO	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 22:00	24-08-21 06:45	24-08-21 19:49
2021071240	Subestacion	Ejecución Exitosa	CODELCO CHILE - DIVISIÓN MINISTRO HALES	Desconexión	Origen Interno	Programada	S/E MMH	MMH 220/23 KV N°2	Otro Tipo de Trabajo		Mantenimiento de GIS 220kV-MMH y equipos de patio paño11.	Riesgo bajo según actividad a realizar.	S/E MMH: 52JT2 A DISPOSICION JEFE FAENA. S/E MMH: 89JT2-1 ABIERTO. S/E MMH: 89JT2-2 ABIERTO. S/E MMH: 89JT2-1T CERRADO S/E MMH: 89JT2-2T CERRADO Y BLOQUEADO	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 22:00	24-08-21 06:45	24-08-21 19:55
2021071239	Subestacion	Ejecución Exitosa	CODELCO CHILE - DIVISIÓN MINISTRO HALES	Desconexión	Origen Interno	Programada	S/E MMH	MMH 220/23 KV N°1	Otro Tipo de Trabajo		Mantenimiento de GIS 220kV-MMH y equipos de patio paño11.	Riesgo bajo según actividad a realizar.	S/E MMH: 52JT1 A DISPOSICION JEFE FAENA. S/E MMH: 89JT1-1 ABIERTO. S/E MMH: 89JT1-2 ABIERTO. S/E MMH: 89JT1-1T CERRADO S/E MMH: 89JT1-2T CERRADO Y BLOQUEADO	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 22:00	24-08-21 06:45	24-08-21 19:53
2021074018	Subestacion	Ejecución Exitosa	COLBÚN TRANSMISIÓN S.A	Desconexión	Origen Externo	Curso Forzoso	S/E COLBUN	COLBUN 230/66/13,8KV 25MVA	Otro Tipo de Trabajo		A solicitud de CH Colbún, producto de inspección termográfica realizada a instalaciones de 13,8 Kv propiedad de la central, se detecta punto caliente agua arriba del interruptor 52CT2 de la Switchgear, para poder reparar dicho punto caliente de requiere desconectar transformador 230/66/13,8 Kv, abriendo los interruptores 52ICH y 52BT1 en SE Colbún. Dicha intervención dejara indisponible la CH Chiburgo.	El riesgo es bajo ya que es controlado	A solicitud de CH Colbún, producto de inspección termográfica realizada a instalaciones de 13,8 Kv propiedad de la central, se detecta punto caliente agua arriba del interruptor 52CT2 de la Switchgear, para poder reparar dicho punto caliente de requiere desconectar transformador 230/66/13,8 Kv, abriendo los interruptores 52ICH y 52BT1 en SE Colbún. Dicha intervención dejara indisponible la CH Chiburgo.	No tiene consumo afectado		ninguno			24-08-21 19:30	25-08-21 18:00	24-08-21 19:50	26-08-21 13:07
2021072268	Subestacion	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Intervención	Origen Interno	Programada	S/E COLCHAGUA	S/E COLCHAGUA BT1 S/E COLCHAGUA CT1 S/E COLCHAGUA CT2	Obras Civiles		Obras civiles en cercanias de instalaciones energizadas.	Nivel de riesgo bajo, controladado.	Se requiere no reconectar 52BT, 52CT1 y 52CT2 durante la ejecución de estos trabajos.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 14:58	24-08-21 18:40
2021068728	Subestacion	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Desconexión	Origen Interno	Programada	S/E CALDERA	S/E CALDERA E2	Otro Tipo de Trabajo		Pruebas a equipo de control Form 4 y mantención al paño E2	Nivel de riesgo medio controlado, trabajos ejecutado por personal calificado.	Se realizara pruebas al control Form 4 y mantención al paño E2 circuito Bahía Inglesa, los consumos serán respaldados por redes de MT.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:22	24-08-21 14:05
2021068726	Subestacion	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Desconexión	Origen Interno	Programada	S/E CALDERA	S/E CALDERA E1	Otro Tipo de Trabajo		Normalización de punto con temperatura	Nivel de riesgo medio controlado, trabajos ejecutado por personal calificado.	Se realiasra normalización de punto con temperatura detectado en el TC del paño E1 circuito Rodillo. los consumos serán respaldados por redes de MT.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:22	24-08-21 18:00
2021071280	Subestacion	Ejecución Exitosa	CONEJO SOLAR SPA	Intervención	Origen Interno	Programada	S/E SECCIONADORA FRANCISCO	S/E SECCIONADORA FRANCISCO J3	Lavado de Aislación		Lavados de aislación de subestación Tap off Lalackama. Trabajos realizados por Enel GP. Condiciones requeridas: No reconectar 52J3 en S/E Francisco.	El riesgo del trabajo es bajo.	Lavados de aislación de subestación Tap off Lalackama. Trabajos realizados por Enel GP. Condiciones requeridas: No reconectar 52J3 en S/E Francisco.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:05	24-08-21 18:52
2021071297	Subestacion	Ejecución Exitosa	CTNG SpA	Intervención	Origen Interno	Programada	S/E SAN PEDRO (CTNG)	S/E SAN PEDRO (AES GENER) HR S/E SAN PEDRO (AES GENER) H1 S/E SAN PEDRO (AES GENER) H2 S/E SAN PEDRO (AES GENER) H3 S/E SAN PEDRO (AES GENER) H6 S/E SAN PEDRO (AES GENER) H7	Lavado de Aislación	0	Trabajo relacionado con lavado de aislación al patio 110kV. Los trabajo se realizarán con bloqueo a la reconexión	Riesgo bajo. Trabajo planificado y controlado	Los trabajos se realizarán con la instalación en servicio.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 14:32	24-08-21 17:27
2021072103	Subestacion	Ejecución Exitosa	ELETRANS S.A.	Intervención	Origen Externo	Programada	S/E CARRERA PINTO	S/E CARRERA PINTO J14 S/E CARRERA PINTO J15	Obras Civiles		A Solicitud de Celeo Redes por trabajos de Colbún por retiro de cable de guardia entre pilar de ML de paño J15 y pilar barra N°2 en SE Illapa, cercano a la LT 220 kV Illapa - Carrera Pinto 1, se requiere el bloqueo a la reconexión de los paño J14 y J15 en SE Carrera Pinto.	Riesgo bajo, trabajo programado.	A Solicitud de Celeo Redes por trabajos de Colbún por retiro de cable de guardia entre pilar de ML de paño J15 y pilar barra N°2 en SE Illapa, cercano a la LT 220 kV Illapa - Carrera Pinto 1, se requiere el bloqueo a la reconexión de los paño J14 y J15 en SE Carrera Pinto.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:22	24-08-21 18:08
2021070997	Subestacion	Ejecución Exitosa	ELETRANS S.A.	Intervención	Origen Interno	Programada	S/E CARRERA PINTO	S/E CARRERA PINTO J5 S/E CARRERA PINTO J6 S/E CARRERA PINTO J13 S/E CARRERA PINTO J14 S/E CARRERA PINTO J15	Lavado de Aislación		Lavado de aislación en SE Carrera Pinto en paños J5 ,J6, J13, J14 y J15c con agua a presión pitón manual. Requiere precaución de no reconectar.	riesgo bajo, trabajo programado	Lavado de aislación en SE Carrera Pinto en paños J5 ,J6, J13, J14 y J15c con agua a presión pitón manual. Requiere precaución de no reconectar.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:15	24-08-21 16:32
2021073794	Subestacion	Ejecución Exitosa	EMPRESA DE TRANSMISIÓN CHENA S.A.	Intervención	Origen Interno	Curso Forzoso	S/E CHENA	S/E CHENA J1 S/E CHENA J2	Inspección Visual		El trabajo consiste en inspección por parte de Transelec.	A solicitud de Transelec se solicita restricción de no reconectar los paños 52J1 y 52J2.	Para inspección por falla de la L.220 kV A.Jahuel – Chena circuito 4, con trepado de estructuras	No tiene consumo afectado		ninguno			24-08-21 12:14	25-08-21 00:00	24-08-21 12:16	24-08-21 13:05

Reporte Desconexión/Intervención Subestacion
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Subestacion: 83

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	SubEstación	Elemento(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021071145	Subestacion	Ejecución Exitosa	ENEL GREEN POWER CHILE S.A.	Intervención	Origen Interno	Programada	S/E CENTRAL LALACKAMA	S/E CENTRAL LALACKAMA JT1 S/E CENTRAL LALACKAMA E8 S/E CENTRAL LALACKAMA ET1 S/E CENTRAL LALACKAMA E1 S/E CENTRAL LALACKAMA E2 S/E CENTRAL LALACKAMA E3 S/E CENTRAL LALACKAMA E4 S/E CENTRAL LALACKAMA E5 S/E CENTRAL LALACKAMA E6 S/E CENTRAL LALACKAMA E7	Lavado de Aislación		Lavado de aislacion S/E Lalackama	Riesgo bajo. controlado por politicas internas del area	Lavado de aislacion S/E Lalackama.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 07:58	24-08-21 18:26
2021071092	Subestacion	Ejecución Exitosa	ENEL GREEN POWER CHILE S.A.	Intervención	Origen Interno	Programada	TAP OFF LALACKAMA	TAP OFF LALACKAMA JL2	Lavado de Aislación		Lavado de aislacion Tap-off Laladkama	Riesgo bajo. controlado por politicas internas del area	Lavado de aislacion Tap-off Lalackama. Se coordinara con ENOR Chile y Transelec mediante SODI	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 07:58	24-08-21 18:26
2021071912	Subestacion	Ejecución Exitosa	ENEL TRANSMISIÓN CHILE	Desconexión	Origen Interno	Programada	S/E LA DEHESA	LA DEHESA 110/23.5KV 50MVA T3	Otro Tipo de Trabajo	0	Mantenimiento Preventivo a Cambiador de Taps bajo carga del Transformador N°3.	No presenta riesgos para el sistema.	Se informa al Coordinador Eléctrico la indisponibilidad del elemento indicado. Se informará la desconexión del elemento y posteriormente realizados los trabajos la normalización del servicio. Carga del Transformador N°3 será abastecida por el Transformador N°4.	No tiene consumo afectado		ninguno			24-08-21 06:00	24-08-21 22:00	24-08-21 11:47	24-08-21 19:41
2021071903	Subestacion	Ejecución Exitosa	ENEL TRANSMISIÓN CHILE	Desconexión	Origen Interno	Programada	S/E CHACABUCO	BA S/E CHACABUCO 23KV BA2 BA S/E CHACABUCO 23KV BA3 BA S/E CHACABUCO 23KV BA8	Otro Tipo de Trabajo	0	Instalación de Pernos Bolas en Barra 23 kV Auxiliar.	No presenta riesgos para el sistema.	Se informa al Coordinador Eléctrico la indisponibilidad del elemento indicado. Se informará la desconexión del elemento y posteriormente realizados los trabajos la normalización del servicio.	No tiene consumo afectado		ninguno			24-08-21 03:00	24-08-21 05:00	24-08-21 05:02	24-08-21 10:20
2021071901	Subestacion	Ejecución Exitosa	ENEL TRANSMISIÓN CHILE	Desconexión	Origen Interno	Programada	S/E CHACABUCO	BA S/E CHACABUCO 23KV BP3	Otro Tipo de Trabajo	0	Instalación de Pernos Bolas en Barra 23 kV N°3	No presenta riesgos para el sistema.	Se informa al Coordinador Eléctrico la indisponibilidad del elemento indicado. Se informará la desconexión del elemento y posteriormente realizados los trabajos la normalización del servicio.	No tiene consumo afectado		ninguno			24-08-21 01:00	24-08-21 03:00	24-08-21 01:36	24-08-21 05:00
2021072611	Subestacion	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	S/E CRUCERO	S/E CRUCERO J6	Otro Tipo de Trabajo		Normalización de circuitos de control y scada (52, 89-1, 89-2, 89-2T) paño J6. Pruebas señales Scada.	Riesgo bajo segun analisis	Precaución paño J6 SSAA, CC, CA y Scada.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 16:00	24-08-21 09:32	24-08-21 15:00
2021071823	Subestacion	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	S/E CHACAYA	BA S/E CHACAYA 220KV-BP1 BA S/E CHACAYA 220KV-BP2	Lavado de Aislación	0	Lavado aislacion de todos los equipos asociados a las Barras de 220 y 110 kV, incluye Marcos de lineas y Barras.	Método lavado a distancia, riesgo bajo.	S/E Chacaya, NO Reconectar: 52J1; 52J2; 52J3; 52J4; 52J5; 52J6; 52J7; 52JG1; 52JG2; 52JG3; 52JG4; 52JG5; 52JG6; 52J5; 52JR; 52HT3; 52HT4; 52HT5; 52H1; 52H2; 52HR. S/E Mejillones, No Reconectar: 52J1. S/E M. Blancos, No Reconectar: 52JD2. S/E Capricornio, No Reconectar: 52JT1. S/E Cruzero, No Reconectar: 52J6. S/E Molycop, No Reconectar: 52CT1. CTM3, No Reconectar: 52G3. CTA, No Reconectar: 52GS. CTH, No Reconectar 52G6.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 16:00	24-08-21 09:37	24-08-21 14:01
2021070298	Subestacion	Ejecución Exitosa	ENGIE	Intervención	Origen Externo	Programada	S/E ALGARROBAL [EN_REVISION]	S/E ALGARROBAL J2 [EN_REVISION] S/E ALGARROBAL J3 [EN_REVISION]	Lavado de Aislación		Lavado de aislación línea 220 kV. Algarrobal-Maitencillo, C1 Transelec Norte, según SODI 2478.	Riesgo bajo, se toman las medidas de seguridad pertinentes.	Condiciones Operacionales: S/E Algarrobal No reconectar : 52J2. 52J3	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:34	24-08-21 16:45
2021068519	Subestacion	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	S/E POZO ALMONTE	BA S/E POZO ALMONTE 13.8KV - AUTOTRAFO NP1 BA S/E POZO ALMONTE 13.8KV - AUTOTRAFO NP2 BA S/E POZO ALMONTE 66KV	Lavado de Aislación	0	El trabajo consiste en lavado de aisladores a las Barra de 66 kV, 23 kV, 13,8 kV N°1 y 13,8 kV N°2	El riego es bajo	Condiciones requeridas: S/E Pozo Almonte: No reconectar 52BT1; No reconectar 52B5; No reconectar52B4; No reconectar 52B3; No reconectar 52CT1; No reconectar 52C1; No reconectar 52CT2; No reconectar 52C2; No reconectar 52CT3; No reconectar 52E1; No reconectar 52E2. S/E Iquique: No reconectar 52B2	No tiene consumo afectado		ninguno			24-08-21 08:49	24-08-21 16:00	24-08-21 09:28	24-08-21 15:20
2021072634	Subestacion	Ejecución Exitosa	ENGIE ENERGÍA CHILE S.A.	Intervención	Origen Interno	Programada	S/E ALGARROBAL [EN_REVISION]	otros: telecomunicacion	Otro Tipo de Trabajo		Validación de Redundancia de Enlace de comunicaciones para Servicios SCADA.	Riesgo bajo porque se toman todas las médidas necesarias para realizar un trabajo seguro.	Sin condiciones requeridas, si posible intermitencia en la comunicación asociada a S/E Algarrobal bajo señales SCADA.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 13:00	24-08-21 09:18	24-08-21 19:02
2021072416	Subestacion	Ejecución Exitosa	ENGIE ENERGÍA CHILE S.A.	Intervención	Origen Interno	Programada	S/E CRUCERO		Otro Tipo de Trabajo		Integración en RTU nuevas señales paño J6 – JT1 S/E Crucero.	Riesgo bajo segùn análisis.	Intermitencias en señales sitio crucero por carga de nuevas señales en RTU.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 18:00	24-08-21 09:12	24-08-21 18:56
2021072382	Subestacion	Ejecución Exitosa	ENGIE ENERGÍA CHILE S.A.	Intervención	Origen Interno	Programada	S/E CENTRAL DIESEL ARICA	S/E CENTRAL DIESEL ARICA 13,8 KV S/E CENTRAL DIESEL ARICA C1 S/E CENTRAL DIESEL ARICA C2 S/E CENTRAL DIESEL ARICA C3 S/E CENTRAL DIESEL ARICA CT	Otro Tipo de Trabajo		Auditoria externa Paños 13,8kV 52CT, 52C1, 52C2, 52C3 (inyección Corriente secundaria a Protecciones, Bloqueo de Trip y Cool de Corrientes)	Riesgo bajo ya que se tomaran las medidas necesarias.	Auditoria Externa.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 17:00	24-08-21 09:10	24-08-21 17:32
2021071932	Subestacion	Ejecución Exitosa	ENGIE ENERGÍA CHILE S.A.	Intervención	Origen Interno	Programada	S/E MEJILLONES	S/E MEJILLONES E4	Mantenimiento preventivo		MPB 1 Año Paño City Gate E4	Se toman todas las medidas de seguridad para realizar un trabajo seguro, Riesgo bajo.	Sin maniobras operacionales	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:28	24-08-21 14:10
2021071929	Subestacion	Ejecución Exitosa	ENGIE ENERGÍA CHILE S.A.	Intervención	Origen Interno	Programada	S/E MEJILLONES	S/E MEJILLONES E3	Mantenimiento preventivo		MPB 1 Año Paño Polpaico E3	Se toman todas las medidas de seguridad para realizar un trabajo seguro. Riesgo bajo.	Sin maniobras operacionales	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:28	24-08-21 14:10
2021071925	Subestacion	Ejecución Exitosa	ENGIE ENERGÍA CHILE S.A.	Intervención	Origen Interno	Programada	S/E MEJILLONES	S/E MEJILLONES E2	Mantenimiento preventivo		MPB 1 Año Paño Megapuerto E2	Se toman todas las medidas de seguridad para realizar un trabajo seguro, Riesgo bajo.	Sin maniobras operacionales	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:28	24-08-21 14:10
2021072588	Subestacion	Ejecución Exitosa	FOTOVOLTAICA NORTE GRANDE S SPA	Desconexión	Origen Interno	Programada	S/E URIBE SOLAR	S/E URIBE SOLAR ET1 S/E URIBE SOLAR SS/AA	Otro Tipo de Trabajo		Inspección con imagen termográfica de las conexiones de las celdas de media tensión 33kV e inversores de la planta. Condiciones requeridas: A disposición de jefe de faena 52E1- 52E2- 52E3- 52E4- 52E5- 52E6.	El riesgo del trabajo es bajo.	Inspección con imagen termográfica de las conexiones de las celdas de media tensión 33kV e inversores de la planta. Condiciones requeridas: A disposición de jefe de faena 52E1- 52E2- 52E3- 52E4- 52E5- 52E6.	No tiene consumo afectado		ninguno			24-08-21 18:00	24-08-21 21:00	24-08-21 18:10	24-08-21 18:44
2021072587	Subestacion	Ejecución Exitosa	FOTOVOLTAICA NORTE GRANDE S SPA	Desconexión	Origen Interno	Programada	S/E URIBE SOLAR	S/E URIBE SOLAR ET1 S/E URIBE SOLAR SS/AA	Otro Tipo de Trabajo		Inspección con imagen termográfica de las conexiones de las celdas de media tensión 33kV e inversores de la planta. Condiciones requeridas: A disposición de jefe de faena 52E1- 52E2- 52E3- 52E4- 52E5- 52E6.	El riesgo del trabajo es bajo.	Inspección con imagen termográfica de las conexiones de las celdas de media tensión 33kV e inversores de la planta. Condiciones requeridas: A disposición de jefe de faena 52E1- 52E2- 52E3- 52E4- 52E5- 52E6.	No tiene consumo afectado		ninguno			24-08-21 00:00	24-08-21 03:00	23-08-21 18:32	23-08-21 18:58
2021068491	Subestacion	Ejecución Exitosa	FRONTEL	Intervención	Origen Interno	Programada	S/E NEGRETE	S/E NEGRETE B1	Otro Tipo de Trabajo	0	Se requiere No reconectar 52B1 de S/E Negrete correspondiente a Línea 66 kV Los buenos Aire - Nahuelbuta, para realizar faenas en recinto S/E Negrete con personal de líneas Vivas, faenas correspondiente a realizar el montaje de estructuras altas, pre-armado y montaje de Marco de Línea Paño B1 hasta la primera viga, para estas faenas se mantendrán las distancia de seguridad superior a 0,7 mts con línea 66 kV energizada (faenas con personal de LLVV Método a distancias).	Riesgo controlado, faenas se realizarán con personal de Líneas Vivas (método a distancia) en S/E Negrete.	Faenas asociadas a Proyecto Ampliación S/E Negrete y son coordinadas entre CCT Grupo SAESA y CGE. Asociado a SID2021068479. (PT 66244 registro interno STS).	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:33	24-08-21 19:00
2021068479	Subestacion	Ejecución Exitosa	FRONTEL	Intervención	Origen Interno	Programada	S/E NAHUELBUTA	S/E NAHUELBUTA B1	Otro Tipo de Trabajo	0	Se requiere No reconectar 52B1 de S/E Nahuelbuta correspondiente a Línea 66 kV Los buenos Aire - Nahuelbuta, para realizar faenas en recinto S/E Negrete con personal de líneas Vivas, faenas correspondiente a realizar el montaje de estructuras altas, pre-armado y montaje de Marco de Línea Paño B1 hasta la primera viga, para estas faenas se mantendrán las distancia de seguridad superior a 0,7 mts con línea 66 kV energizada (faenas con personal de LLVV Método a distancias).	Riesgo controlado, faenas se realizarán con personal de Líneas Vivas (método a distancia) en S/E Negrete.	Faenas asociadas a Proyecto Ampliación S/E Negrete y son coordinadas entre CCT Grupo SAESA y CGE. (PT 66244 registro interno STS).	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:33	24-08-21 19:00
2021071353	Subestacion	Ejecución Exitosa	HALDEMAN MINING COMPANY S.A.	Intervención	Origen Interno	Programada	S/E EL LINCE		Otro Tipo de Trabajo		Mantenimiento sistema SCADA programado por cliente	Riesgo bajo , se toman todas las medidas de seguridad para un trabajo seguro	Se generara intermitencia de sistema información en tiempo real (SITR)	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 11:21	24-08-21 19:15
2021071096	Subestacion	Ejecución Exitosa	INTERCHILE	Desconexión	Origen Externo	Programada	S/E NUEVA PAN DE AZUCAR	S/E NUEVA PAN DE AZUCAR K2	Alambrado de control	0	Adecuación del Conexionado en el Interruptor del Paño K2 para futuro Mando Sincronizado del ATR-1 de S/E Nueva Pan de Azucar. Trabajo relacionado a D.S. 310 y N.U.P 2058.	Siguiendo los procedimientos de trabajos, no hay riesgos asociados.	Al ATR-1 se mantendrá energizado por el Interruptor 52K1. Se requieren las siguientes condiciones en S/E Nueva Pan de Azucar 500 kV: Interruptor 52K2 Abierto y a disposición del jefe de faena Desconectador 89K2-1 Abierto y Bloqueado Desconectador 89K2-2 Abierto y Bloqueado Desconectador 89K2-1T Abierto y a disposición del jefe de faena Desconectador 89K2-2T Abierto y a disposición del jefe de faena	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 08:47	24-08-21 12:19
2021072224	Subestacion	Ejecución Exitosa	MINERA ESCONDIDA	Intervención	Origen Interno	Programada	S/E O'HIGGINS	BA S/E O'HIGGINS 220KV BP1 BA S/E O'HIGGINS 220KV BP2 BA S/E O'HIGGINS 220KV BP3 BA S/E O'HIGGINS 220KV BT	Lavado de Aislación	0	Lavado de aislación de estructuras y equipos.	Riesgo bajo. Trabajos programados y bajo procedimientos respectivos.	Se requiere orden de no reconectar : 52J2, 52J1, 52J3, 52JS1, 52J4; 52J4; 52J7; 52J10, 52J9; 52J5; 52J6; 52J8 de SE O´Higgins. Además se requiere no reconectar 52J1 y 52J2 de SE Coloso, 52J1 de SE Puri, 52J1 de SE Farellon. Se coordina con CC Gasatacama no reconectar 52J3 y 52J10 en SE Atacama. Se cordina con CC Engie no reconectar 52J2 en SE Mejillones. Se coordina con CC Saesa no reconectar 52J13 y 52J15 en SE Kapatur.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 19:00	24-08-21 08:34	24-08-21 13:17
2021069410	Subestacion	Ejecución Exitosa	MINERA ESCONDIDA LTDA.	Desconexión	Origen Interno	Programada	S/E COLOSO	COLOSO 220/13.8/6.9KV T2 [EN_REVISION]	Otro Tipo de Trabajo		Desconexion Transformador T2 en SE Coloso por Trabajos en construccion de Muro Cortafuego	Riesgo Bajo, el trabajo se realiza con procedimiento actualizado y personal calificado.	Condiciones Requeridas: SE COLOSO52J T2 Abierto SE COLOSO89J T2- 1 Abierto y Bloqueado	No tiene consumo afectado		ninguno			24-08-21 00:00	24-08-21 23:59	24-08-21 08:00	25-08-21 13:02
2021070263	Subestacion	Ejecución Exitosa	PARQUE EÓLICO EL ARRAYÁN	Intervención	Origen Externo	Programada	S/E DON GOYO	S/E DON GOYO J3	Otro Tipo de Trabajo	0	Bajada de mufas para efectuar mediciones en el tramo La Cebada- Don Goyo y tender bypass a piso, entre las estructuras 316 a 326. Trabajos realizados por Transelec. Condiciones requeridas en S/E Don Goyo: No reconectar 52J3- 52J5.	El riesgo del trabajo es bajo.	Bajada de mufas para efectuar mediciones en el tramo La Cebada- Don Goyo y tender bypass a piso, entre las estructuras 316 a 326. Trabajos realizados por Transelec. Condiciones requeridas en S/E Don Goyo: No reconectar 52J3- 52J5.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 06:16	24-08-21 18:15
2021071487	Subestacion	Ejecución Exitosa	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Intervención	Origen Interno	Programada	S/E CHONCHI		Otro Tipo de Trabajo		S/E Chonchi faenas corresponden a : Energizacion de equipos ciberseguridad Firewall, Redbox y Switches desde tablero comunicaciones/SCADA, tendido de cordon de alimentacion para posterior energizacion Gabinete, configuracion de Firewall, redbox y switches, nuevo conexionado de comunicaciones hacia portadores de enlance, pruebas simuladas de comunicaciones y migracion redes OT	Riesgo controlado, existirá perdida de comunicación durante conexionado nuevo alambrado comunicaciones y durante la migración de las comunicaciones OT (red de comunicaciones de la Subestación), las cuales serán coordinadas e informadas a CCT.	Se mantendrá personal de Scada en Subestación mientras se realicen las faenas para atender cualquier contingencia. (PT 66332 registro interno STS).	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 09:36	24-08-21 14:58
2021071458	Subestacion	Ejecución Exitosa	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Intervención	Origen Interno	Programada	S/E COPIHUES		Otro Tipo de Trabajo		S/E Copihues faenas corresponden a : Energizacion de equipos ciberseguridad Firewall, Redbox y Switches desde tablero comunicaciones/SCADA, tendido de cordon de alimentacion para posterior energizacion Gabinete, configuracion de Firewall, redbox y switches, nuevo conexionado de comunicaciones hacia portadores de enlance, pruebas simuladas de comunicaciones y migracion redes OT	Riesgo controlado, existirá perdida de comunicación durante conexionado nuevo alambrado comunicaciones y durante la migración de las comunicaciones OT (red de comunicaciones de la Subestación), las cuales serán coordinadas e informadas a CCT.	Se mantendrá personal de Scada en Subestación mientras se realicen las faenas para atender cualquier contingencia. (PT 66331 registro interno STS).	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 09:58	24-08-21 14:14
2021071451	Subestacion	Ejecución Exitosa	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Intervención	Origen Interno	Programada	S/E AIHUAPI		Otro Tipo de Trabajo		S/E Aihuapi faenas corresponden a : Energizacion de equipos ciberseguridad Firewall, Redbox y Switches desde tablero comunicaciones/SCADA, tendido de cordon de alimentacion para posterior energizacion Gabinete, configuracion de Firewall, redbox y switches, nuevo conexionado de comunicaciones hacia portadores de enlance, pruebas simuladas de comunicaciones y migracion redes OT	Riesgo controlado, existirá perdida de comunicación durante conexionado nuevo alambrado comunicaciones y durante la migración de las comunicaciones OT (red de comunicaciones de la Subestación), las cuales serán coordinadas e informadas a CCT.	Se mantendrá personal de Scada en Subestación mientras se realicen las faenas para atender cualquier contingencia. (PT 66330 registro interno STS).	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 14:14	24-08-21 17:41
2021069498	Subestacion	Ejecución Exitosa	STS	Intervención	Origen Externo	Programada	S/E PUERTO VARAS	S/E PUERTO VARAS ET2	Otro Tipo de Trabajo		No reconectar y habilitada su curva rápida de operación (HLT) del 52ET2 de S/E Pto. Varas por faenas con personal de lineas vivas que consiste en Realizar la Instalación de Protecciones en Barra de 23 kv en S/E Puerto Varas por Cercanía en Paño B9E2-2 Alimentador 52E2 Llanquihue	Riesgo medio, faenas se realizarán con personal de Lineas Vivas cercanos a Barra 23 kV de S/E Pto. Varas	Faenas sin perdida de suministro y con apoyo de personal de Lineas Vivas. PT N° 2021-01214	No tiene consumo afectado		ninguno			24-08-21 10:00	24-08-21 18:00	24-08-21 12:38	24-08-21 18:02
2021069543	Subestacion	Ejecución Exitosa	TEN	Desconexión	Origen Interno	Programada	S/E LOS CHANGOS	S/E LOS CHANGOS J3	Mantenimiento preventivo		Mantenimiento del paño J3, ensayos eléctricos e inspección del 52J3, mantenimiento de transformadores de corriente TC3-1 y TC3-2, reapriete de conexionado, inspección del paño completo (mantenimiento con reposición diaria).	Riesgo: Operación no deseada de equipos, acortamiento de distancia. Medidas de mitigación: Equipos en modo local, respetar 5 R de Oro, trabajos según procedimientos, identificación previa de equipos, reconocimiento previo del lugar de trabajo, comunicación efectiva, trabajos de acuerdo a procedimientos, Cortocircuitos conexionado secundario del TCJ3, Cortocircuito de protecciones del paño, previa evaluación de P&C.	Mantenimiento del paño J3, ensayos eléctricos e inspección del 52J3, mantenimiento de transformadores de corriente TC3-1 y TC3-2, reapriete de conexionado, inspección del paño completo (mantenimiento con reposición diaria).	No tiene consumo afectado		ninguno			24-08-21 08:30	24-08-21 15:30	24-08-21 08:32	24-08-21 17:45
2021068083	Subestacion	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	S/E SAN VICENTE	S/E SAN VICENTE AS	Otro Tipo de Trabajo	0	Las maniobras de transferencia y destransferencia se realizará los días 24 y 25 de agosto respectivamente, entre las 00:00 y 05:00 previa Coordinación con el CEN.	Bajo	Actividades: S/E San Vicente: Relleno de gas SF6 en interruptor 52A5. Condiciones: Interruptor 52A5 transferido. Instalaciones en Riesgo: Barra 154 kV, sección A-San Vicente y barra 154 kV, Sección B-San Vicanta. Temporalidad de los Riesgos: Al inicio y al término de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: Instalar equipos de puesta a tierra entre 89A5-1 y 52A5 y entre 89A5-2 y 52A5.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 17:00	24-08-21 09:36	24-08-21 15:40
2021063751	Subestacion	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	S/E TARAPACA	BA S/E TARAPACA 220KV-BP1 BA S/E TARAPACA 220KV-BP2	Otro Tipo de Trabajo	0	S/E Tarapacá. MPB. Lavado de aislación a equipos primarios Paños J1; J2; J3; JT1; JT2; JR aisladores de pedestal, marcos de barra principal y de transferencia, marcos de linea de acuerdo al avance en las labores de lavado.	Bajo	Actividades: S/E Tarapacá. MPB. Lavado de aislación a equipos primarios Paños J1; J2; J3; JT1; JT2; JR aisladores de pedestal, marcos de barra principal y de transferencia, marcos de linea de acuerdo al avance en las labores de lavado. Restricciones: Tarapacá, 52J1, 52J2, 52J3, 52JT3, 52JT2, 52J5, 52JR No reconectar Lagunas, 52J5, 52J6 No reconectar Cóndores, 52J1 No reconectar Central Tarapacá, 52GTV, 52-1BBA01, 52-1BBB01, 52TG, 52JP1 No reconectar Instalaciones en Riesgo: Barra 220 kV, Sección 1-Tarapacá o Barra 220 kV, Sección 2-Tarapacá o Paño Acoplador JR01-Tarapacá o Paño Transformación JT01-Tarapacá o Paño Transformación JT02-Tarapacá o L 220kV Tarapacá-Cóndores, C1 o L 220kV Tarapacá-Lagunas, C1 o L 220kV Tarapacá-Lagunas, C2 Temporalidad de los Riesgos: Durante los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: No hay	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 11:06	24-08-21 15:13

Reporte Desconexión/Intervención Subestacion
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Subestacion: 83

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	SubEstación	Elemento(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021073777	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Curso Forzoso	S/E DIEGO DE ALMAGRO	S/E DIEGO DE ALMAGRO H2	Otro Tipo de Trabajo	0	A solicitud de CODELCO CHILE DIVISIÓN SALVADOR SODI-672 curso forzoso, restricción paño H2-Llanta 1, en S/E Diego de Almagro, por cambio de aislación dañada y faltante en la linea 110 kV Llanta 2.	Bajo	S/E Diego de Almagro: Codelco Chile división El Salvador según Sodi-672 curso forzoso Intervención: Subestación DIEGO DE ALMAGRO- 52H2 con bloqueo a reconexión Instalaciones en Riesgo: Paño Linea LH02, DDA-Llanta 1 Temporalidad de los Riesgos: Durante de los trabajos	No tiene consumo afectado		ninguno			24-08-21 11:00	24-08-21 17:00	24-08-21 11:25	24-08-21 15:18
2021073766	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Desconexión	Origen Externo	Curso Forzoso	S/E DIEGO DE ALMAGRO	S/E DIEGO DE ALMAGRO H3	Otro Tipo de Trabajo	0	A solicitud de CODELCO CHILE DIVISIÓN SALVADOR SODI-672 de curso forzoso desconexión Linea 110 KV –Llanta 2, en S/E Diego de Almagro , cambio de aislación dañada y faltante en la linea110 kV.	Bajo	S/E Diego de Almagro: Codelco Chile división El Salvador según Sodi:672 (CURSO FORZOSO) Desconexión : Subestación DIEGO DE ALMAGRO- Paño Linea LH03,DDA-Llanta 2 Instalaciones en Riesgo: Paño Linea LH03,DDA-Llanta 2 Temporalidad de los Riesgos: Al inicio y termino de las maniobras desconexión del Paño Linea LH03,DDA-Llanta 2.	No tiene consumo afectado		ninguno			24-08-21 11:00	24-08-21 17:00	24-08-21 11:22	24-08-21 15:18
2021072385	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	S/E TARAPACA	BA S/E TARAPACA 220KV-BP1 BA S/E TARAPACA 220KV-BP2	Otro Tipo de Trabajo	0	SE Tarapacá: Conexionado de conductores de nuevo paño J4 en BU 87B fuera de servicio, la conexión se realizará en gabinete 87B en SSGG	Bajo	Actividades: SE Tarapacá: Conexionado de conductores de nuevo paño J4 en BU 87B fuera de servicio, la conexión se realizará en gabinete 87B en SSGG Restricciones: No hay Instalaciones en Riesgo: Barra 220 kV, Sección 1-Tarapacá o Barra 220 kV, Sección 2-Tarapacá Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: No hay Nota: Trabajos se realizarán en horarios de baja demanda (madrugada)	No tiene consumo afectado		ninguno			24-08-21 00:00	25-08-21 08:00	24-08-21 00:04	24-08-21 07:46
2021072384	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	S/E QUILLOTA	S/E QUILLOTA H2	Otro Tipo de Trabajo	0	Apoyo a empresa CTNG por trabajos en sus instalaciones en S/E San Pedro.	Instalación con riesgo: Linea de 110 kV Quillota - San Pedro. Temporalidad del riesgo: Durante la ejecución de los trabajos. Nivel de riesgo: Bajo.	Actividades: Solicitud de CTNG para lavado de aislación en patio de 110 kV de S/E San Pedro. Restricciones: No reconectar interruptores asociados a linea de 110 kV Quillota - San Pedro. Instalaciones en Riesgo: Linea de 110 kV Quillota - San Pedro. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 14:52	24-08-21 17:43
2021071500	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	S/E ALTO JAHUEL		Otro Tipo de Trabajo	0	S/E Alto Jahuel: Reemplazo de tarjeta de estados en RTU del patio de 220 kV.	Bajo	Actividades: S/E Alto Jahuel: Reemplazo de tarjeta de estados en RTU del patio de 220 kV. Restricciones: Normalización sujeta a coordinación. Instalaciones en Riesgo: S/E Alto Jahuel: Sistema SCADA. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: S/E Alto Jahuel: El Jefe de Faena delimitará la zona de trabajo. Nota: Pérdida de datos SCADA del patio de 220 kV paños J8, J9 y J76 mientras dure la intervención.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 17:00	24-08-21 13:53	24-08-21 16:57
2021071141	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	S/E CARRERA PINTO	BA S/E CARRERA PINTO 220KV SECCION 2	Otro Tipo de Trabajo	0	Sodi-10095630- Eletrans Lavado de aislación de paños J5-J6-J13-J14-J15	Bajo	Actividades: S/E Carrera Pinto: A solicitud de Eletrans. Lavado de aislación de paños J5-J6-J13-J14-J15 Restricciones: Subestación Carrera Pinto, No Reconectar 52J11-52J18-52J5-52JR Instalaciones en Riesgo: Barra 220 KV, sección 2 C.Pinto Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: No Hay	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:09	24-08-21 18:37
2021071138	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	S/E CARRERA PINTO	BA S/E CARRERA PINTO 220KV SECCION 1	Otro Tipo de Trabajo	0	Sodi-10095630- Eletrans Lavado de aislación de paños J5-J6-J13-J14-J15	Bajo	Actividades: S/E Carrera Pinto: A solicitud de Eletrans. Lavado de aislación de paños J5-J6-J13-J14-J15 Restricciones: Subestación Carrera Pinto, No Reconectar 52J1- 52J2-52J3-52J8-52J9-52J10-52J17-52JS-52JR Instalaciones en Riesgo: Barra 220 KV, sección 1 C.Pinto Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: No Hay	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:09	24-08-21 18:37
2021070921	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	S/E DIEGO DE ALMAGRO	S/E DIEGO DE ALMAGRO ETS	Otro Tipo de Trabajo	0	S/E Diego de Almagro: Verificación de las Protecciones de sobrecorriente GE F3S S2, Paño ETS.	Bajo	Actividades: Verificación de Protecciones, S/E Diego de Almagro: Verificación de las Protecciones de sobrecorriente GE F3S S2, Paño ETS. Restricciones: No hay Instalaciones en Riesgo: Barra 23 kV-D. Almagro Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: Subestación D. Almagro, Paño ET5, Protecciones S2 Bloquear trip sobre 52ET5. Ejecutar según minuta de bloqueo del anexo 1	No tiene consumo afectado		ninguno			24-08-21 00:00	24-08-21 06:00	23-08-21 23:41	24-08-21 03:28
2021070067	Subestacion	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	S/E MAITENCILLO	BA S/E MAITENCILLO 110KV SECCION1 BA S/E MAITENCILLO 110KV SECCION 2	Otro Tipo de Trabajo	0	S/E Maitencillo: Lavado de aislación de equipos Barra 110 kV, paños HT2; HT1; H5; HR; H5; H4; H3; H2; H1 incluye equipos primarios, marcos de barra principal y auxiliar, marcos de lineas, barra de transferencia y desmalezado patio.	Bajo	Actividades: Lavado de aislación de instalación en servicio (Barra), S/E Maitencillo: Lavado de aislación de equipos Barra 110 kV, paños HT2; HT1; H5; HR; H5; H4; H3; H2; H1 incluye equipos primarios, marcos de barra principal y auxiliar, marcos de lineas, barra de transferencia y desmalezado patio. Restricciones: Subestación Maitencillo, 52H5 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52HR con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52HT2 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52HT1 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H1 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H2 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H3 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H4 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H5 con bloqueo a la reconexión inmovilizado Terceros, SE Las compañías: 52H2 (Tercero) con bloqueo a la reconexión inmovilizado Subestación Huasco, 52H1 con bloqueo a la reconexión inmovilizado Subestación Huasco, 52H2 con bloqueo a la reconexión inmovilizado Subestación Vallenar, 52HT con bloqueo a la reconexión inmovilizado Subestación Cardones, 52H2 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52T1 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52JT2 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52CT2 con bloqueo a la reconexión inmovilizado Subestación Castilla, 52E1 con bloqueo a la reconexión inmovilizado Terceros, S/E El Edén: 52H1(Tercero) con bloqueo a la reconexión inmovilizado Terceros, SE Punta de Toros: 52HL1 (Tercero,SODI) con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 16:57
2021065251	Subestacion	Ejecución Exitosa	TRANSEMEL	Desconexión	Origen Interno	Programada	S/E PARINACOTA	S/E PARINACOTA B3	Lavado de Aislación		Se solicita la apertura de la linea por lavado de aislación des energizado en Tap Off Quiani.	Trabajo con Riesgo Bajo, se trabajara con Procedimientos y Epp de acuerdo a las tareas asignadas.	Se solicita la Apertura del 52B3 Paño Quiani, en SSEE Parinacota, los consumos de SSEE Quiani, serán traspasados a SSEE Chinchorro.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:06	24-08-21 13:23
2021070685	Subestacion	Ejecución Exitosa	TRANSMISORA ELÉCTRICA DEL NORTE S.A.	Intervención	Origen Interno	Programada	S/E LOS CHANGOS	otros: telecomunicacion	Otro Tipo de Trabajo		Se realizara mantención preventiva de la Teleprotección sistema N° 2 TPFO-301, 302, este considera recuperación de LOG, revisión de estado y resguardo de la configuración del sistema.	Riesgos: Perdida de configuración o borrado de configuración, Perdida de servicios de teleprotección o inhabilitación, Envío de TRIP. Medidas de Mitigación: Realizar respaldo Backup, antes de realizar cualquier modificación, Habilitar SWITCH de Bloqueo.	Se realizara mantención preventiva de la Teleprotección sistema N° 2 TPFO-301, 302, este considera recuperación de LOG, revisión de estado y resguardo de la configuración del sistema. No se considera la prueba efectiva de TRIP, solamente toma de datos, todo trabajo se realiza con los Switch de mantenimiento activados.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 18:00	24-08-21 10:53	24-08-21 17:50
2021071638	Subestacion	Ejecución Exitosa	TRANSMISORA VALLE ALLIPEN S.A.	Intervención	Origen Interno	Programada	S/E TAP OFF RIO TOLTEN		Mantenimiento preventivo		Mantenimiento preventivo a servidor Scada Siemens que se realizará por especialista. Trabajos podrían producir perdida / intermitencia en datos ICCP durante la ejecución de los mismos.	Posible perdida de ICCP durante la ejecución de los trabajos	Mantenimiento preventivo servidor scada	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:16	24-08-21 18:48
2021071631	Subestacion	Ejecución Exitosa	TRANSMISORA VALLE ALLIPEN S.A.	Intervención	Origen Interno	Programada	S/E MELIPEUCO		Mantenimiento preventivo		Mantenimiento preventivo a servidor Scada Siemens que se realizará por especialista. Trabajos podrían producir perdida / intermitencia en datos ICCP durante la ejecución de los mismos.	Posible perdida de ICCP durante la ejecución de los trabajos	Mantenimiento preventivo servidor Scada	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:16	24-08-21 18:48
2021072285	Subestacion	Ejecución Exitosa	TRANSQUILLOTA	Intervención	Origen Externo	Programada	S/E SAN LUIS	BA S/E SAN LUIS 220KV BP1 BA S/E SAN LUIS 220KV BP2	Lavado de Aislación	0	Solicitud de Chilquinta para trabajos en instalaciones de su propiedad.	Trabajos con nivel de riesgo bajo	Actividades: S/E San Luis: Solicitud de Chilquinta para lavado de aislación de los paños Agua Santa 1 y 2. Restricciones: No reconectar interruptores asociados a la Barra de 220 kV 1 y 2 de S/E San Luis. -- Instalaciones en Riesgo: S/E San Luis: Barra de 220 kV 1 ó 2. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: S/E San Luis: Delimitación de la zona de trabajo.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:57	24-08-21 15:38

Reporte Desconexión/Intervención Central Generadora

Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Central Generadora: 11

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Central	Unidad(es)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021074019	Central Generadora	Ejecución Exitosa	ACCIONA ENERGÍA CHILE HOLDINGS S.A.	Intervención	Origen Interno	Curso Forzoso	PFV USYA	CENTRAL COMPLETA	Otro Tipo de Trabajo	52.4	Es necesario proceder a cambiar e instalar Firewall secundario (Firewall Principal se encuentra operativo).	Podrían perderse las comunicaciones por algunos minutos. La intervención en principio no debería generar interrupción de las comunicaciones, para mayor seguridad se realizará en horario no productivo.	Asociado con IL N° 2021001992.	No tiene consumo afectado		ninguno	N (Conectada Normal)		24-08-21 19:52	24-08-21 21:00	24-08-21 19:56	24-08-21 21:54
2021072353	Central Generadora	Ejecución Exitosa	ANGAMOS	Intervención	Origen Interno	Programada	TER ANGAMOS	TER ANGAMOS U2	Otro Tipo de Trabajo	200	Prueba de válvulas turbina en ANG2	bajo debido características preventivas	ANG2 opera con CPF activado y AGC desactivado	No tiene consumo afectado		ninguno	PO (Prueba Operacional)		24-08-21 06:00	24-08-21 08:00	24-08-21 08:00	24-08-21 10:45
2021072463	Central Generadora	Ejecución Exitosa	COLIHUES ENERGIA S.A.	Intervención	Origen Interno	Programada	TER COLIHUES	TER COLIHUES U1	Otro Tipo de Trabajo	11	Pruebas isocinéticas Central Térmica Colihues 1 en configuración HFO. Las pruebas se realizaran a plena carga según programa enviado a DAOP. Condiciones requeridas: TER Colihues 1 a disposición de iefe de faena.	El riesgo es bajo.	Pruebas isocinéticas Central Térmica Colihues 1 en configuración HFO. Las pruebas se realizaran a plena carga según programa enviado a DAOP. Condiciones requeridas: TER Colihues 1 a disposición de iefe de faena.	No tiene consumo afectado		ninguno	PO (Prueba Operacional)		24-08-21 12:00	24-08-21 20:00	24-08-21 11:10	24-08-21 16:43
2021072378	Central Generadora	Ejecución Exitosa	ELECTRICA CENIZAS	Desconexión	Origen Interno	Programada	TER CENIZAS	TER CENIZAS U2	Verificación medidor de energía	5	La empresa Tecnect realizará certificación de transformadores de medida (tensión y corriente) en Switchgear de media tensión (11Kv) de la unidad generadora n°2. Con respecto a la indisponibilidad se estima: día Martes 24 , certificación de trasformadores de medida, cuatro horas.	Certificación de transformadores de medida (potencial y corriente) de la unidad generadora N°2 , preparativos para futura prueba de "Consumo Específico" solicitada por CEN . Lo anterior implica riesgo de descarga eléctrica por contacto o proximidad. Por lo anterior se realizará apertura de interruptor local de barra de 11(Kv) al interior de la Sala de Switchgear de Eléctrica Cenizas.	Se realizarán inyecciones de corriente o voltaje con mesa de prueba para verificación de transformadores de medida.	No tiene consumo afectado		ninguno	DP (Desconexión Programada)		24-08-21 08:30	24-08-21 16:00	24-08-21 10:22	24-08-21 18:37
2021073678	Central Generadora	Ejecución Exitosa	ELÉCTRICA PUNTILLA S.A.	Desconexión	Origen Externo	Curso Forzoso	HP ITATA	CENTRAL COMPLETA	Otro Tipo de Trabajo		Cambio de topología (Normalización de línea Charrúa-Chillan)	Riesgo bajo. Maniobras coordinadas con COT CGE, según SODI N°236/2021	Desconexión de central completa, por microcorte para Normalización de Linea 66KV Charrúa-Chillan... Maniobras en línea 66KV Charrúa-Chillan. post falla del 21/08/2021	No tiene consumo afectado		ninguno	DF (Desconexión Forzada)		24-08-21 07:00	24-08-21 07:18	24-08-21 07:00	24-08-21 07:18
2021071889	Central Generadora	Ejecución Exitosa	EMPRESA ELÉCTRICA ANGAMOS S.A.	Intervención	Origen Interno	Programada	TER ANGAMOS	TER ANGAMOS U2	Otro Tipo de Trabajo		Pruebas de modulación de carga por sintonía de caldera: Al activar la solicitud se realizaran cambios de carga de 40 Mw de subida y bajada, esto para exploración de nueva tasa de carga a la actual (2,5 Mw/Min.), Pruebas relacionadas a ensayos de verificación de SSCC. Todo esto coordinado con Centro de control y CEN.	Riesgo controlado, maniobra operacional con supervisión presente	Sin SSCC, unidad queda disponible a programa diario de generación	No tiene consumo afectado		ninguno	PO (Prueba Operacional)		24-08-21 08:00	24-08-21 20:00	24-08-21 12:13	24-08-21 17:52
2021073841	Central Generadora	Ejecución Exitosa	ENEL GENERACIÓN CHILE S.A.	Intervención	Origen Interno	Curso Forzoso	HP SAUZALITO	CENTRAL COMPLETA	Otro Tipo de Trabajo	12	Realizar limpieza de emergencia en Hidroyector que se encuentra obstruido, se necesita dejarlo fuera de servicio durante la intervención.	Trabajo supervisado en terreno, riesgo bajo.-	Sin comentarios adicionales.	No tiene consumo afectado		ninguno	N (Conectada Normal)		24-08-21 14:00	24-08-21 18:00	24-08-21 14:13	25-08-21 15:29
2021070989	Central Generadora	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	PE CALAMA [EN_REVISION]	CENTRAL COMPLETA	Puesta en servicio de nueva instalación	150	Comisionamiento Aerogeneradores de acuerdo a perfil de carga de las pruebas, según referencia de potencia de acuerdo a pronostico enviado al CEN	El riesgo será de acuerdo con la etapa de comisionamiento del proyecto. Estará controlados por lo especialistas a cargo del trabajo.	El riesgo será el normal de acuerdo con la etapa de comisionamiento del proyecto. Estará controlados por lo especialistas a cargo del trabajo. Inyección de energía a la red y validación de los parámetros operacionales de los WTG, de acuerdo con el perfil de carga del pronóstico enviada con anterioridad al CEN.	No tiene consumo afectado		ninguno	P (Prueba de Puesta en Servicio)		24-08-21 00:00	24-08-21 23:59	24-08-21 00:00	24-08-21 23:59
2021072458	Central Generadora	Ejecución Exitosa	ESPINOS S.A.	Desconexión	Origen Interno	Curso Forzoso	HP RENAICO	CENTRAL COMPLETA	Otro Tipo de Trabajo		limpieza camara de carga por ramas debido a temporal.	el riesgo es bajo central f/s	limpieza camara de carga por ramas debido a temporal.	No tiene consumo afectado		ninguno	DF (Desconexión Forzada)		24-08-21 12:12	24-08-21 13:47	19-08-21 12:12	19-08-21 13:47
2021072253	Central Generadora	Ejecución Exitosa	GENERADORA METROPOLITANA SPA	Intervención	Origen Interno	Programada	TER NUEVA RENCA	CENTRAL COMPLETA	Otro Tipo de Trabajo		Calibración de equipo medidor de flujo (emisiones)	Bajo. No afecta al Sistema Eléctrico Nacional	Se requiere la central con carga alrededor de 260 MW por 2 horas y a mínimo técnico por 2 horas durante las pruebas	No tiene consumo afectado		ninguno	PO (Prueba Operacional)		24-08-21 08:00	24-08-21 12:00	24-08-21 13:37	24-08-21 16:30
2021074013	Central Generadora	Ejecución Exitosa	INVERSIONES HORNITOS SPA	Intervención	Origen Interno	Curso Forzoso	TER HORNITOS	CENTRAL COMPLETA	Servicios Auxiliares	110	Normalización por Falla Alimentador de carbón N°5	Bajo, se toman todos los resguardos de acuerdo a estándar de seeuridad ENGIE enerela Chile	Unidad Limitada en 110 MW, por falla en alimentador N° 5	No tiene consumo afectado		ninguno	LF (Unidad con limitación forzada)		24-08-21 16:55	25-08-21 02:00	24-08-21 16:55	25-08-21 01:20

Reporte Desconexión/Intervención Linea
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Linea: 93

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Linea	Tramo(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021071706	Linea	Ejecución Exitosa	AES ANDES	Intervención	Origen Interno	Programada	COBOS - ANDES 345KV	COBOS - ANDES 345KV C1	Otro Tipo de Trabajo		IVP con Apoyo de drone linea Andes-Salta (Torre N°01 a 342).	El riesgo es bajo ya que se toman las medidas para minimizarlo.	Condiciones requeridas: S/E Andes: señalizar y NR 352A03 y 352C3/4. S/E Salta: señalizar y NR 352C7/8	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 10:24	24-08-21 14:17
2021071704	Linea	Ejecución Exitosa	AES GENER	Intervención	Origen Interno	Programada	NORGENER - CRUCERO 220KV	NORGENER - TAP OFF BARRILES 220KV C1 TAP OFF BARRILES - TAP OFF LA CRUZ 220KV C1 TAP OFF LA CRUZ - CRUCERO 220KV C1 NORGENER - TAP OFF BARRILES 220KV C2 TAP OFF BARRILES - TAP OFF LA CRUZ 220KV C2 TAP OFF LA CRUZ - CRUCERO 220KV C2	Lavado de Aislación	0	Lavado de aislacion Linea Norgener - Crucero Cto 1 y Cto 2 (Postacion de Salida).	El riesgo es bajo ya que se toman las medidas para minimizarlo.	Condiciones requeridas: S/E NorgenerSeñalizar y Reconexión F/S 52J1 y 52J2; S/E Crucero Señalizar y Reconexión F/S 52J12 y 52J13; S/E La CruzSeñalizar y NR 52J1 - 52J2 - 52J-T1 - 52J-T2; S/E Barriles Señalizar y NR 52J1 , 52J2 , 52H-T1.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:18	24-08-21 16:38
2021072370	Linea	Ejecución Exitosa	AITE	Intervención	Origen Externo	Programada	ANCOA - ALTO JAHUEL 500KV L3	ANCOA - ALTO JAHUEL 500KV L3 C1	Otro Tipo de Trabajo		A solicitud de terceros por cosecha de bosque tipo forestal de propiedad de Arauco, considera tala mecanizada de árboles ubicados por el lado y bajo el conductor en los vanos 64-65; 65-66; 66-67 y 68-69. Se requiere el bloqueo de la reconexión de la linea de 500 kV Ancoa - Alto Jahuel 3.	Existe riesgo de operación de la linea de 500 kV Ancoa - Alto Jahuel 3.	Sin comentarios adicionales.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 16:00	24-08-21 09:00	24-08-21 16:50
2021071705	Linea	Ejecución Exitosa	ANGAMOS	Intervención	Origen Interno	Programada	ANGAMOS - KAPATUR 220KV	ANGAMOS - EST. N°28 220KV C1 EST. N°28 - KAPATUR 220KV C1 ANGAMOS - EST. N°4 ANGAMOS C2 220KV C1 EST. N°28 - KAPATUR 220KV C1 EST. N°4 ANGAMOS C2 - EST. N°28 220KV C2	Lavado de Aislación	0	Lavado de aislación Linea Angamos - Kapatur Zona Costa Critica (Torre N° 06 A 27)	Riesgo menor debido a cumplimiento de programa	S/E Angamos: 52JS, 52J6 señalizar y no reconectar; S/E Kapatur: 52J5,52J6, 52J7, 52J8 señalizar y no reconectar	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:28	24-08-21 16:38
2021072322	Linea	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	QUINQUIMO - CABILDO 110KV	QUINQUIMO - CABILDO 110KV C1	Roce y pode franja servidumbre	0	Se realizara trabajo de poda de arboles.	Bajo, trabajo a realizar bajo procedimiento de distancias minimas de seguridad.	Se solicita bloqueo de reconexiones de 52H3 do SE Quinquimo	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 10:43	24-08-21 17:18
2021072307	Linea	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	SANTA MARTA - PADRE HURTADO 110KV	SANTA MARTA - PADRE HURTADO 110KV C1	Roce y pode franja servidumbre	0	Se realizara trabajo de poda de arboles.	Bajo, trabajo a realizar bajo procedimiento de distancias minimas de seguridad.	Se solicita bloqueo de reconexiones de 52H3 de SE Santa Marta	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 14:03	24-08-21 17:18
2021072106	Linea	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	SANTA ELVIRA - NUEVA ALDEA 66KV	SANTA ELVIRA - NUEVA ALDEA 66KV C1	Roce y pode franja servidumbre	0	Se requiere el bloqueo de reconexión del interruptor 52B3 de SE Santa Elvira y orden de precaución en extremo Central Nueva Aldea, lo cual se encuentra coordinado con Arauco. Esto por trabajos de tala, poda y roce.	Riesgo medio con bloqueo	Tala, poda y roce de arboles	No tiene consumo afectado		ninguno			24-08-21 08:08	24-08-21 18:08	24-08-21 08:47	24-08-21 19:37
2021071874	Linea	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	FATIMA - HOSPITAL 66KV	ESTRUCTURA 36A - HOSPITAL 66KV C1 FATIMA - ESTRUCTURA 36A 66KV C1	Roce y pode franja servidumbre	0	Se realizará labores de poda y roce en LT 66kV Fatima - Hospital	Riesgo del trabajo a realizar bajo, trabajos planificados y supervisados en terreno.	Se requiere el bloqueo de reconexión del interruptor 66kV 52B5 de S/E fatima. Sin consumos afectados.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:56	24-08-21 19:45
2021071869	Linea	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	COCHARCAS - PARRAL 66KV	TAP NIQUEN - SAN GREGORIO 66KV C1 SAN CARLOS - TAP OFF ÑIQUEN 66KV C1 SAN GREGORIO - ESTRUCTURA 291 66KV C1 ESTRUCTURA 291 - ESTRUCTURA 278 66KV C1 ESTRUCTURA 278 - PARRAL 66KV C1 COCHARCAS - SAN CARLOS 66KV C1	Roce y pode franja servidumbre	0	Bloquear reconexión del 52B3 de S/E Parral y /o 52B1 de S/E Monterrico por trabajos de poda, roce y tala en la LT 66kV Monterrico-Parral.	Riesgo medio, con bloqueo de reconexion	Tala, poda y roce de arboles	No tiene consumo afectado		ninguno			24-08-21 08:14	24-08-21 18:14	24-08-21 08:47	24-08-21 19:35
2021071864	Linea	Ejecución Exitosa	CGE	Intervención	Origen Interno	Programada	CAUQUENES - LA VEGA 66KV	CAUQUENES - LA VEGA 66KV C1	Roce y pode franja servidumbre	0	Bloquear reconexión del 52B1 de SE Cauquenes por trabajos de poda y roce en la LT Cauquenes-La Vega.	Riesgo medio con bloqueo.	Poda	No tiene consumo afectado		ninguno			24-08-21 08:09	24-08-21 18:09	24-08-21 08:47	24-08-21 19:36
2021067379	Linea	Ejecución Exitosa	CGE	Desconexión	Origen Interno	Programada	EL SAUCE - COMBARBALA 66KV	EL SAUCE - COMBARBALA 66KV C1	Otro Tipo de Trabajo	0	Se desconecta la LT 66 kV El Sauce - Combarbalá, para realizar trabajos de mantenimiento preventivo consistente en Cambio de estructura , crucetas y aislacion por mejoramiento en la linea.	Bajo riesgo durante todo el trabajo, faena planificada y controlada en terreno.	Se desconecta la LT 66 kV El Sauce - Combarbalá, para realizar trabajos de mantenimiento preventivo consistente en Cambio de estructura , crucetas y aislacion por mejoramiento en la linea.	No tiene consumo afectado		ninguno			24-08-21 07:30	24-08-21 18:00	24-08-21 07:36	24-08-21 17:54
2021071440	Linea	Ejecución Exitosa	CMPC CELULOSA	Intervención	Origen Interno	Programada	CHARRUA - CELULOSA PACIFICO 220KV	TAP MARIA DOLORES - LAJA 220KV C1 SECCION 1 DE 2 220KV C1 SECCION 7 DE 2 220KV C1 SECCION 1 DE 2 220KV C1 SECCION 2 DE 2 220KV C1 SANTA FE - CELULOSA PACIFICO 220KV C1	Roce y pode franja servidumbre	0	Se realizará roce manual y mecanizado en franja de servidumbre LT Charrúa-Celulosa Pacífico 220kV	Riesgo bajo, se tomarán todas las medidas de control necesarias. Se realizará roce manual y mecanizado en franja de servidumbre LT Charrúa-Celulosa Pacífico 220kV	Se realizará roce manual y mecanizado en franja de servidumbre LT Charrúa-Celulosa Pacífico 220KV Tramo : Charrúa- Maria Dolores, María Dolores- Nacimiento, Maria dolores Laja, Nacimiento Mínico 1x220KV. Se solicitará bloqueo a la reconexión de interruptor 52JL2 y 52JL1 S/E Planta Santa Fe, 52JT S/E Santa Fe Energía, interruptor 52JL3 y 52JL4 S/E PRV , interruptor 52JL1 S/E Planta Laja, 52JL1 S/E Planta Pacifico e interruptor 52J10 SE Charrúa.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:32	24-08-21 19:04
2021073667	Linea	Ejecución Exitosa	CODELCO CHILE - DIVISIÓN CHUQUICAMATA	Desconexión	Origen Interno	Curso Forzoso	CHUQUICAMATA - 10 100KV	CHUQUICAMATA - 10 100KV C1	Lavado de Aislación	0	Se realizará lavado de aisladores por alta contaminación.	Riesgo bajo, se realizará lavado de aisladores mecanizado en torres	Se requieren: S/E Chuquicamata: Abierto 52H10, S/E 10: Abierto 52H10 .	No tiene consumo afectado		ninguno			24-08-21 07:58	24-08-21 16:00	24-08-21 08:02	24-08-21 12:12
2021073679	Linea	Ejecución Exitosa	CODELCO CHILE - DIVISIÓN EL SALVADOR	Desconexión	Origen Interno	Curso Forzoso	DIEGO DE ALMAGRO - POTRERILLOS 110KV	DIEGO DE ALMAGRO - LLANTA 110KV C2 LLANTA - POTRERILLOS 110KV C2	Otro Tipo de Trabajo		Trabajos con linea desconectada para realizar cambio de aislación dañada en estructura 167.	Trabajos con linea desconectada para realizar cambio de aislación dañada en estructura 167.	Se requiere realizar cambio de aislación de forma urgente, debido a aislación faltante y dañada.	No tiene consumo afectado		ninguno			24-08-21 11:00	24-08-21 17:00	24-08-21 11:11	24-08-21 16:00
2021071667	Linea	Ejecución Exitosa	CODELCO CHILE - DIVISIÓN MINISTRO HALES	Desconexión	Origen Interno	Programada	ENCUENTRO - MMH 220KV	ENCUENTRO - PATIO DE MUFAS 220 KV S/E ENCUENTRO 220KV C1 PATIO DE MUFAS 220 KV S/E ENCUENTRO - MMH 220KV C1	Mantenimiento preventivo		Mantenimiento de GIS 220kV-MMH y equipos de patio paño11	Riesgo bajo, trabajos se desarrollan con Linea fuera de servicio y supervisión presente	S/E MMH: 52J1 A DISPOSICION DEL JEFE DE FAENA S/E MMH: 89J1-3 A DISPOSICION DEL JEFE DE FAENA S/E MMH: 89J1-3T A DISPOSICION DEL JEFE DE FAENA S/E MMH: 89J1-2 A DISPOSICION DEL JEFE DE FAENA S/E MMH: 89J1-2T CERRADO Y BLOQUEADO S/E MMH: 89J1-4 A DISPOSICIÓN DEL JEFE DE FAENA S/E MMH: 89J1-4T A CERRADO S/E ENCUENTRO: 52J11 A DISPOSICION DEL JEFE DE FAENA S/E ENCUENTRO: 89J11-1 ABIERTO Y BLOQUEADO S/E ENCUENTRO: 89J11-3 ABIERTO Y BLOQUEADO S/E ENCUENTRO: 89J11-2 A DISPOSICION DEL JEFE DE FAENA	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 22:00	24-08-21 06:45	24-08-21 19:46
2021073889	Linea	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Intervención	Origen Externo	Curso Forzoso	ANDALICAN - HORCONES 66KV	ANDALICAN - ESTRUCTURA 92 66KV C1 ESTRUCTURA 92 - ESTRUCTURA 107 66KV C1 ESTRUCTURA 107 - ESTRUCTURA 118 66KV C1 ESTRUCTURA 118 - ESTRUCTURA 129 66KV C1 ESTRUCTURA 129 - HORCONES 66KV C1 ESTRUCTURA 150 - HORCONES 66KV C1 ESTRUCTURA 143A - ESTRUCTURA 150 66KV C1 ESTRUCTURA 140 - ESTRUCTURA 143A 66KV C1 ESTRUCTURA 132D - ESTRUCTURA 140 66KV C1 ESTRUCTURA 129 - ESTRUCTURA 132D 66KV C1	Otro Tipo de Trabajo		Retiro de corteza de árbol en estructura 110.	Riesgo bajo, trabajo con riesgos controlados.	Requiere deshabilitar función de reconexión automática LT 66 kV Andalicán - Horcones N°1, ambos extremos.	No tiene consumo afectado		ninguno			24-08-21 16:20	24-08-21 17:20	24-08-21 16:23	24-08-21 17:13
2021073642	Linea	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Intervención	Origen Interno	Curso Forzoso	CHARRUA - LUCERO 66KV	CHARRUA - ESTRUCTURA 24 66KV C1 ESTRUCTURA 24 - ESTRUCTURA 47 66KV C1 ESTRUCTURA 47 - TAP SANTA CLARA 66KV C1 CHARRUA - TAP SANTA CLARA 66KV C1 [EN_REVISION] TAP TRES ESQUINAS – EST. 788B 66KV C1 EST. 788B - LUCERO 66KV C1 [EN_REVISION] ESTRUCTURA 132 - ESTRUCTURA 157 66KV C1 TAP SANTA CLARA - ESTRUCTURA 132 66KV C1 EST 157 - LOS TILOS BULNES 66KV C1 TAP SANTA CLARA - LOS TILOS BULNES 66KV C1 [EN_REVISION] LOS TILOS BULNES - TAP TRES ESQUINAS 66KV C1 [EN_REVISION] LOS TILOS BULNES - TAP TRES ESQUINAS 66KV C1	Otro Tipo de Trabajo		Microcorte a LT 66kV Charrúa - Chillán, por normalización de topología relacionado a IF N°2021002357. Maniobras coordinadas con Copelec según sodi N° 234 (Tap Off Tres Esquinas y S/E Los Tilos) y coordinado con Central Itata según sodi N°236 y STS bajo la sodi N°235.	Riesgo medio según procedimientos establecidos por CGE.	.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 07:03	24-08-21 07:00	24-08-21 07:02
2021072174	Linea	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Intervención	Origen Interno	Programada	ANDALICAN - HORCONES 66KV	ANDALICAN - ESTRUCTURA 92 66KV C1 ESTRUCTURA 92 - ESTRUCTURA 107 66KV C1 ESTRUCTURA 107 - ESTRUCTURA 118 66KV C1 ESTRUCTURA 118 - ESTRUCTURA 129 66KV C1 ESTRUCTURA 129 - HORCONES 66KV C1 ESTRUCTURA 150 - HORCONES 66KV C1 ESTRUCTURA 143A - ESTRUCTURA 150 66KV C1 ESTRUCTURA 140 - ESTRUCTURA 143A 66KV C1 ESTRUCTURA 132D - ESTRUCTURA 140 66KV C1 ESTRUCTURA 129 - ESTRUCTURA 132D 66KV C1	Roce y pode franja servidumbre		Se realizará poda y tala de árboles cercanos a la línea LT 66kV Andalicán-Horcones N°1.	Riesgo medio y controlado, trabajos con personal especializado.	Se requiere bloqueo de reconexión del 52B1 de S/E Andalicán y 52B7 de S/E Horcones.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:14	24-08-21 18:36
2021071436	Linea	Ejecución Exitosa	COMPAÑÍA GENERAL DE ELECTRICIDAD S.A.	Intervención	Origen Externo	Programada	LOS ANGELES - ANGOL 66KV	ESTRUCTURA 129 - ESTRUCTURA 130 66KV C1 PARQUE EOLICO BUENOS AIRES - ESTRUCTURA 129 66KV C1 ESTRUCTURA 130 - ESTRUCTURA 135 66KV C1 [EN_REVISION] TAP RENAICO - NAHUELBUTA 66KV C1 NEGRETE - TAP RENAICO 66KV C1 ESTRUCTURA 134 - TAP RENAICO 66KV C1 [EN_REVISION]	Otro Tipo de Trabajo		Precaución operacional sobre tramo 66 kV Los Buenos Aires-Nahuelbuta a solicitud de STS por faenas en S/E Negrete de su propiedad.	Riesgo no inherente a CGE. Trabajos programados por terceros en sus instalaciones.	Bloqueos de reconexión coordinados con ENEL y STS.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:51	24-08-21 18:53
2021071434	Linea	Ejecución Exitosa	DIEGO DE ALMAGRO TRANSMISORA DE ENERGÍA S.A.	Intervención	Origen Externo	Programada	ILLAPA - CARRERA PINTO 220KV L1	ILLAPA - ESTRUCTURA EL1 220KV C1 ILLAPA - ESTRUCTURA EL1 220KV C2	Lavado de Aislación		A solicitud de Eletrans por trabajos de lavado de aislación en SE Carrera Pinto, se requiere no reconectar los interruptores JB-09-J11-J12 de SE Illapa, correspondientes a líneas de 220 kV Illapa Carrera Pinto 1 y 2.	Riesgo de desconexión de línea de 220 kV Illapa - Carrera Pinto 1 ó 2.	Asociado a SODI 10095607.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:24	24-08-21 16:28
2021071424	Linea	Ejecución Exitosa	DIEGO DE ALMAGRO TRANSMISORA DE ENERGÍA S.A.	Intervención	Origen Externo	Programada	ILLAPA - CUMBRES 220KV	ILLAPA - CUMBRE 220KV C1	Otro Tipo de Trabajo		A solicitud de Colbún por trabajos de retiro de cable de guardia entre pilar de ML de paño J13 y pilar barra N°1 de SE Illapa, cercano a salida de línea de 220 kV Illapa - Cumbre 1, se requiere el bloqueo de reconexión de los paños J11-J12 de S/E Illapa y paños J2-J3 de S/E Cumbre.	Riesgo de desconexión línea de 220 kV Illapa - Cumbre 1.	Trabajos asociados al proyecto NUP 1265.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:16	24-08-21 18:14

Reporte Desconexión/Intervención Linea
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Linea: 93

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Linea	Tramo(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021071294	Linea	Ejecución Exitosa	DIEGO DE ALMAGRO TRANSMISORA DE ENERGÍA S.A.	Intervención	Origen Externo	Programada	ILLAPA - CARRERA PINTO 220KV L1	ILLAPA - ESTRUCTURA EL1 220KV C1	Otro Tipo de Trabajo		A solicitud de Colbún por trabajos de retiro de cable de guardia entre pilar de ML de paño J15 y pilar barra N°2, cercano a salida de linea de 220 kV Illapa - Carrera Pinto 1, se requiere el bloqueo de reconexión de los paños J11-J12 de S/E Illapa y paños J14 - J15 de S/E Carrera Pinto.	Riesgo de desconexión de la linea de 220 kV Illapa - Carrera Pinto 1.	Trabajos asociados al proyecto NUP 1265.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:16	24-08-21 18:14
2021071155	Linea	Ejecución Exitosa	ENEL GREEN POWER CHILE S.A.	Intervención	Origen Interno	Programada	TAP TAL TAL - LALACKAMA 220KV	TAP LALACKAMA - LALACKAMA 220KV C1	Lavado de Aislación		Lavado de aislacion Linea Tap-Off Lalackama - Lalackama	Riesgo bajo. COntrolado por políticas internas del area	Lavado de aislacion Linea Tap-Off Lalackama - Lalackama	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 07:58	24-08-21 18:26
2021072651	Linea	Ejecución Exitosa	ENEL TRANSMISIÓN CHILE S.A.	Intervención	Origen Interno	Programada	EL SALTO - CERRO NAVIA 110KV	TAP LO BOZA - LO BOZA 110KV C2 TAP LO BOZA - TAP QUILICURA 110KV C2 TAP QUILICURA - QUILICURA 110KV C2 TAP QUILICURA - TAP CHACABUCO 110KV C2 TAP RECOLETA - RECOLETA 110KV C2 TAP RECOLETA - TORRE 17 110KV C2 EL SALTO - TORRE 14 110KV C2 TORRE 14 - TORRE 19 110KV C2 TORRE 19 - TORRE 28 110KV C2 TORRE 28 - TORRE 33 100KV C2 TORRE 33 - TORRE 1 110KV C2 TORRE 33 - TORRE 17 110KV C2 TORRE 17 - TORRE 1 110KV C2 TORRE 1 - SAN CRISTOBAL 110KV C2 CERRO NAVIA - TAP LO BOZA 110KV C2 TAP CHACABUCO - CHACABUCO 110KV C2 TAP CHACABUCO - TAP RECOLETA 110KV C2	Otro Tipo de Trabajo		Realiza retiro de cable de guardia y tendido de OPGW entre las Torre 52 y Torre 77 de la troncal, en cercanía al Circuito señalado	Trabajos en cercanía al circuito señalado	Frente a una operación automática del circuito señalado, Enel solo reconectará previa coordinación con el CEN. trabajos relacionados con SD 2021069352	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:02	24-08-21 16:41
2021072608	Linea	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	CENTRAL TOCOPILLA - CRUCERO 220KV	TOCOPILLA - EST. N°24 220KV C2 (6A) EST. N° 24 - TAP OFF EL LOA 220KV C2 (6A) TOCOPILLA - EST. N°24 220 KV C1 (7A) EST. N° 24 - TAP OFF EL LOA 220KV C1 (7A)	Otro Tipo de Trabajo	0	Instalación de señalética en estructuras.	Se toman todas las medidas de precaución, controlando todos los riesgos existentes, de acuerdo a matriz de trabajo, riesgo bajo.	CONDICIONES REQUERIDAS: No reconectar, S/E Tocopilla 52J6A, 52J7A. S/E Crucero 52J6A, 52J7A. Tap-off El Loa 52J1. ENCARGADO MANIOBRA: S/E Crucero. Operador Transmisión.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 16:00	24-08-21 08:24	24-08-21 15:00
2021072596	Linea	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	CENTRAL TOCOPILLA - CRUCERO 220KV	TOCOPILLA - EST. N°24 220KV C2 (6A) EST. N° 24 - TAP OFF EL LOA 220KV C2 (6A) TOCOPILLA - EST. N°24 220 KV C1 (7A) EST. N° 24 - TAP OFF EL LOA 220KV C1 (7A)	Lavado de Aislación	0	Lavado aisladores portal 6A y 7A GIS 220 kV.	Se toman todas las medidas de precaución, controlando todos los riesgos existentes, de acuerdo a matriz de trabajo, riesgo bajo.	CONDICIONES REQUERIDAS: No reconectar, S/E Tocopilla 52J6A, 52J7A. S/E Crucero 52J6A, 52J7A. Tap-off El Loa 52J1. ENCARGADO MANIOBRA: S/E Crucero. Operador Transmisión.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 08:00	24-08-21 07:27	24-08-21 15:00
2021071815	Linea	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	CHACAYA - MANTOS BLANCOS 220KV	CHACAYA – CAPRICONIO 220KV C1 CAPRICONIO – MANTOS BLANCOS 220KV C1	Lavado de Aislación	0	Lavado aislacion linea energizada, método a distancia.	Lavado aislacion método a distancia, riesgo bajo.	S/E Chacaya: No Reconectar 52J2. S/E M. Blancos: No Reconectar 52J02L. S/E Caoricornio: No Reconectar 52J71.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 16:00	24-08-21 08:22	24-08-21 14:02
2021071809	Linea	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	CHACAYA - EL COBRE 220 KV	CHACAYA - EL COBRE 220 KV C1 CHACAYA - EL COBRE 220 KV C2	Lavado de Aislación	0	Lavado aislacion con linea energizada, método a distancia	Método de lavado a distancia, riesgo bajo	S/E Chacaya: 52J6; 52J7 No Reconectar. S/E El Cobre: 52J2; 52J3 No Reconectar	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 16:00	24-08-21 08:07	24-08-21 14:01
2021068625	Linea	Ejecución Exitosa	ENGIE	Intervención	Origen Interno	Programada	ARICA - POZO ALMONTE 110KV	ARICA - EST. 52 110KV C1 EST. 52 - EST. 54 110KV C1 EST. 54 - TAP MAL PASO 110KV C1 TAP MAL PASO - EST. 154 110KV C1 EST. 154 - TAP VITOR 110KV C1 TAP VITOR - TAP VITOR N°2 MOVIL 110KV C1	Otro Tipo de Trabajo	0	Trabajos en Fibra Óptica ENTEL.	Riesgo bajo, trabajo considerado en matriz.	CONDICIONES REQUERIDAS: SE Arica No reconectar 52HT3; SE Pozo Almonte No reconectar 52H1.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 17:00	24-08-21 08:46	24-08-21 16:21
2021065119	Linea	Ejecución Exitosa	GUACOLDA	Intervención	Origen Interno	Programada	GUACOLDA - MAITENCILLO 220KV L2	GUACOLDA - MAITENCILLO 220KV L2 C3 GUACOLDA - MAITENCILLO 220KV L2 C4	Lavado de Aislación	0	Lavado de aislación desde patio de mufas y estructura N°114. En caso de operación automática, NO reconectar 52J3-52J4 en SE Guacolda y NO reconectar 52J9-52J10 en SE Maitencillo.	Se consideran las medidas pertinentes para desarrollar los trabajos en condición segura.	En caso de operación automática, NO reconectar 52J3-52J4 en SE Guacolda y NO reconectar 52J9-52J10 en SE Maitencillo.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 17:00	24-08-21 09:16	24-08-21 16:27
2021064991	Linea	Ejecución Exitosa	GUACOLDA	Intervención	Origen Interno	Programada	GUACOLDA - MAITENCILLO 220KV L1	GUACOLDA - MAITENCILLO 220KV L1 C1 GUACOLDA - MAITENCILLO 220KV L1 C2	Lavado de Aislación	0	Lavado de aislación entre patio de salida y estructura N°94. En caso de operación automática, NO reconectar 52J1-52J2 en SE Guacolda y NO reconectar 52J5-52J6 en SE Maitencillo.	Se consideran las medidas pertinentes, para desarrollar los trabajos en condición segura.	En caso de operación automática, NO reconectar 52J1-52J2 en SE Guacolda y NO reconectar 52J5-52J6 en SE Maitencillo.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:16	24-08-21 16:08
2021072199	Linea	Ejecución Exitosa	MANTOS COPPER	Intervención	Origen Interno	Programada	DIEGO DE ALMAGRO - MANTO VERDE 110KV	DIEGO DE ALMAGRO - MANTO VERDE 110KV C1	Lavado de Aislación	0	Lavado de aislación en Linea 110kV Diego de Almagro - Manto Verde. Con sistema energizado.	Se consideran las acciones pertinentes para desarrollar los trabajos en condición segura.	Condiciones requeridas: S/E Diego de Almagro en caso de operación automática No reconectar interruptor 52H6.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:54	24-08-21 17:09
2021068598	Linea	Ejecución Exitosa	MANTOS COPPER	Intervención	Origen Externo	Programada	DIEGO DE ALMAGRO - MANTO VERDE 110KV	DIEGO DE ALMAGRO - MANTO VERDE 110KV C1	Lavado de Aislación	0	Lavado de aislación en S/E Diego de Almagro: Paños, Equipos primarios, Barra 1 y 2 en 110 kV incluye marcos de barra y lineas con sistema energizado a solicitud de Transelec.	Se consideran las acciones pertinentes para desarrollar los trabajos en condición segura.	Condiciones requeridas: S/E Diego de Almagro en caso de operación automática No reconectar interruptor 52H6. S/E Manto Verde en caso de operación automática No reconectar interruptor 52H1.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 10:03	24-08-21 18:00
2021071274	Linea	Ejecución Exitosa	MINERA ANTUCOYA	Intervención	Origen Interno	Programada	TAP OFF ENLACE - ANTUCOYA 220KV	TAP OFF ENLACE - ANTUCOYA 220KV C1	Lavado de Aislación	0	Lavado de aislación a linea energizada en tramo 1 entre estructuras 1 y 32.	Riesgo Bajo porque diente toma todas las medidas de seguridad para un trabajo seguro	S/E Enlace: Señalizar y No reconectar 52S1 S/E Antucoya: Señalizar y No reconectar 52J1	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 10:32	24-08-21 16:58
2021072222	Linea	Ejecución Exitosa	MINERA ESCONDIDA	Intervención	Origen Interno	Programada	O'HIGGINS - COLOSO 220KV	O'HIGGINS - COLOSO 220KV C2 O'HIGGINS - COLOSO 220KV C2 O'HIGGINS - COLOSO 220KV C1 O'HIGGINS - COLOSO 220KV C1	Lavado de Aislación	0	Lavado aisladores Linea 220 kV O'Higgins - Coloso. Circuitos 1 y 2	Riesgo bajo. Trabajos programados y bajo procedimientos respectivos.	Se requiere orden de no reconectar en: S/E O'Higgins el 52J3 y 52J4. S/E Coloso el 52J1 y 52J2.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 19:00	24-08-21 08:00	24-08-21 13:17
2021072147	Linea	Ejecución Exitosa	MINERA ESCONDIDA	Intervención	Origen Interno	Programada	ZALDIVAR - ESCONDIDA 220KV	ZALDIVAR - ESCONDIDA 220KV C1	Lavado de Aislación	0	Lavado de aislación linea Zaldivar - Escondida	Riesgo bajo. Trabajos programados y bajo procedimientos respectivos.	Condiciones requeridas: S/E Escondida: No reconectar 52J3. S/E Zaldivar: No reconectar 52J1.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 19:00	24-08-21 10:05	24-08-21 13:17
2021071944	Linea	Ejecución Exitosa	MINERA ESCONDIDA	Intervención	Origen Interno	Programada	NUEVA ZALDIVAR - OGP1 220KV	NUEVA ZALDIVAR - TORRE 231/4 220KV C1 TORRE V10-Z - OGP1 220KV C1 TORRE 231/4 - TORRE V10-Z 220KV C1	Lavado de Aislación	0	Lavado aisladores Linea 220 kV Nueva Zaldivar - OGP1.	Riesgo Bajo, Trabajo se realiza con procedimiento actualizado en terreno y personal calificado.	Condiciones Requeridas: S/E Nva. ZaldivarNo Reconectar 52J07L S/E OGP1No Reconectar 52J3	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 19:00	24-08-21 10:05	24-08-21 13:17
2021071751	Linea	Ejecución Exitosa	MINERA SPENCE	Intervención	Origen Interno	Programada	ENCUENTRO - SGO 220KV	ENCUENTRO-SGO 220KV	Obras Civiles	0	Se realizará excavacion bajo la linea de transmisión Encuentro - SGO excavación de alcantarilla	Bajo. Se ejecutarán trabajos bajo la linea de transmisión de 220 kV respetando la distancia de aproximación límite	Trabajos bajo la linea 220kV entre Encuentro y SGO. Dudas llamar a Christian diaz +56982185010 Se trabajará con equipos bulldozer, camion pluma y excavadoras. Los que se mantendrán a una distancia segura de la linea la cual fue medida con topografia. Se hará nueva revisión previo a los trabajos como parte de las revisiones antes de comenzar la tarea. En SE Encuentro 52J10 Señalizar y no reconectar En SE SGO 52J1 Señalizar y no reconectar	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 09:59	24-08-21 19:16
2021071323	Linea	Ejecución Exitosa	MINERA VALLE CENTRAL	Intervención	Origen Externo	Programada	TAP MINERA VALLE CENTRAL - SE MINERA VALLE CENTRAL 154KV	TAP MINERA VALLE CENTRAL - SE MINERA VALLE CENTRAL 154KV C1	Roce y pode franja servidumbre	0	A solicitud de Transelec mediante SODI N° 0621/2021, orden de precaución no reconectar interruptores 52A1, 52A2 y 52A3 de S/E Minera Valle Central por trabajos de corte de árboles próximo a instalación energizada linea 154 kV Sauzal - Rancagua.	Corte de árboles próximo a instalación energizada		No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:57	24-08-21 18:45
2021073644	Linea	Ejecución Exitosa	PARQUE SOLAR FOTOVOLTAICO LUZ DEL NORTE SPA	Intervención	Origen Externo	Curso Forzoso	LUZ DEL NORTE - CARRERA PINTO 220KV	LUZ DEL NORTE - CARRERA PINTO 220KV C1	Lavado de Aislación		A solicitud de Transelec lavado de aislación en S/E Carrera Pinto 220 kV.	Riesgo de desconexión de la línea 220 kV Carrera Pinto - Luz del norte.	Trabajos de lavado de aislación a realizarse por parte de Transelec. Se tendrá restricción a la reconexión de la linea Carrera Pinto - Luz del norte 220 kV.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:25	24-08-21 17:09
2021073867	Linea	Ejecución Exitosa	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Intervención	Origen Externo	Curso Forzoso	PURRANQUE - FRUTILLAR 66KV	PURRANQUE – ESTRUCTURA Nº319 66KV C1 ESTRUCTURA Nº319 – FRUTILLAR 66KV C1	Otro Tipo de Trabajo		Reparación de Linea cortada fase A de Cto adyacente, entre estructuras 366 y 367	Se requiere no reconectar Linea 66 kV Purranque Frutillar Cto 1. Para reparación de linea cortada entre estructuras 366 y 367 de Linea 66 kV Purranque Frutillar Cto 2 (IF 2021002388)	No hay	No tiene consumo afectado		ninguno			24-08-21 15:00	24-08-21 19:00	24-08-21 15:02	24-08-21 17:11
2021071777	Linea	Ejecución Exitosa	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Intervención	Origen Externo	Programada	MELIPULLI - ALTO BONITO 110KV	SECCION 1 DE 2 110KV C1	Otro Tipo de Trabajo		Se requiere no reconectar línea 110 kV Melipulli Alto Bonito a solicitud de Saesa por faenas de traslado de linea de MT bajo linea de AT.	Nivel de riesgo bajo y controlado.	SODI 686 INTERNA DE SAESA.	No tiene consumo afectado		ninguno			24-08-21 11:00	24-08-21 17:00	24-08-21 11:05	24-08-21 15:45
2021070592	Linea	Ejecución Exitosa	SISTEMA DE TRANSMISIÓN DEL SUR S.A.	Intervención	Origen Interno	Programada	RIO NEGRO - PURRANQUE 66KV	RIO NEGRO – EST N°169 66KV C2 EST N°169 - PURRANQUE 66KV C2 RIO NEGRO - PURRANQUE 66KV C1	Roce y pode franja servidumbre		No reconectar lineas 66 kV Rio Negro Purranque N°1 y N°2 por faenas que consiste en roce, poda y talas de arboles con prioridad N°1 y N°2 en faja de seguridad	El riesgo de la faena es bajo y controlado	asociado a PT N° 66301	No tiene consumo afectado		ninguno			24-08-21 08:30	24-08-21 17:30	24-08-21 09:26	24-08-21 17:53
2021066249	Linea	Ejecución Exitosa	STS	Intervención	Origen Interno	Programada	VALDIVIA - LOS LAGOS 66KV	VALDIVIA - LOS LAGOS 66KV C1	Roce y pode franja servidumbre		Se requiere no reconectar linea 66 kV Valdivia Los lagos por faenas de Talas, podas y roce en faja de servidumbre próximos a Linea 66 kv.	Nivel de riesgo bajo y controlado.	PT 66186 INTERNO DE STS.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 09:13	24-08-21 17:24
2021071366	Linea	Ejecución Exitosa	TEN	Intervención	Origen Interno	Programada	CUMBRE – NUEVA CARDONES 500KV	CUMBRE – NUEVA CARDONES 500KV C1 CUMBRE – NUEVA CARDONES 500KV C2	Lavado de Aislación		Lavado de aislación de LT 2 x 500kV Cumbres-Nueva Cardones, entre estructuras N°001-464	El principal riesgo es la ocurrencia de un flashover. Medidas de mitigación: - Inspección visual del estado de los aisladores. - Verificación de condiciones meteorológicas (Velocidad y dirección del viento) - revisión de calidad del agua.	Se requiere precaución operacional de no reconectar LT 2 x 500 kV Cumbres - Nueva Cardones en ambos extremos, para realizar trabajos de lavado de aislación por contaminación normal.	No tiene consumo afectado		ninguno			24-08-21 07:00	24-08-21 18:00	24-08-21 07:41	24-08-21 11:06
2021067959	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	PULLINQUE - LOS LAGOS 66KV	PULLINQUE - LOS LAGOS 66KV C2	Otro Tipo de Trabajo	0	No hay.-	Bajo	Actividades: Corte y poda de árboles.- Restricciones: Restricción a la reconexión.- Instalaciones en Riesgo: Linea 66 kV Pullinque-Los Lagos, C2.- Temporalidad de los Riesgos: Durante los trabajos.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No hay.- Observación: No reconectar los interruptores asociados a la línea.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021067703	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	CHARRUA - PANGUE 220KV	TRUPAN - TAP CHOLGUAN 220KV C2 PANGUE - SANTA BARBARA 220KV C2 TAP CHOLGUAN - CHARRUA 220KV C2 SANTA BARBARA - TRUPAN 220KV C2	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Corte y poda de arboles. Condiciones: bloqueo a la reconexión. Instalaciones en Riesgo: L 220kV Pangue-Charrúa, C1 o L 154kV Abanico-Charrua, C1. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021067702	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	ABANICO - CHARRUA 154KV	TRUPAN - CHARRUA 154KV C1 ABANICO - TRUPAN 154KV C1 ABANICO - TRUPAN 154KV C2	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Corte y poda de arboles. Condiciones: bloqueo a la reconexión. Instalaciones en Riesgo: L 220kV Pangue-Charrúa, C1 o L 154kV Abanico-Charrua, C1. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021067693	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	ANTUCO - CHARRUA - PANGUE 220KV	ANTUCO - TAP TRUPAN 220KV C1 TAP TRUPAN - CHARRUA 220KV C1 TAP TRUPAN - TRUPAN 220KV C1 PANGUE - SANTA BARBARA 220KV C1 SANTA BARBARA - TRUPAN 220KV C1	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Corte y poda de arboles. Condiciones: Bloqueo a la reconexión. Instalaciones en Riesgo: L 220kV Antuco-Pangue-Charrúa, C3 o L 220kV Pangue-Charrúa, C1. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021067692	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	CHARRUA - PANGUE 220KV	TRUPAN - TAP CHOLGUAN 220KV C2 PANGUE - SANTA BARBARA 220KV C2 TAP CHOLGUAN - CHARRUA 220KV C2 SANTA BARBARA - TRUPAN 220KV C2	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Corte y poda de arboles. Condiciones: Bloqueo a la reconexión. Instalaciones en Riesgo: L 220kV Antuco-Pangue-Charrúa, C3 o L 220kV Pangue-Charrúa, C1. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021067688	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	ENTRE RIOS - CHARRUA 500KV	ENTRE RIOS - CHARRUA 500KV C2	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Corte y poda de arboles. Condiciones: Bloqueo a la reconexión. Instalaciones en Riesgo: L 500kV Charrúa-Entre Ríos, C2 Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 07:57	24-08-21 18:37

Reporte Desconexión/Intervención Linea
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Linea: 93

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Linea	Tramo(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021067651	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	CONCEPCION - SAN VICENTE 154KV	CONCEPCION - ESTRUCTURA 14 154KV C2 ESTRUCTURA 14 - ESTRUCTURA 15 154KV C2 ESTRUCTURA 15 - SAN VICENTE 154KV C2	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Inspección visual con trepado y medición de espesor de perfiles en estructuras. Restricciones: Bloqueo a la reconexión. Instalaciones en Riesgo: L 154KV Concepción-San Vicente, C2 o L 154KV Concepción-San Vicente, C1. Temporalidad de los Riesgos: Durante de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021067650	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	CONCEPCION - SAN VICENTE 154KV	CONCEPCION - ESTRUCTURA 14 154KV C1 ESTRUCTURA 14 - ESTRUCTURA 15 154KV C1 ESTRUCTURA 15 - SAN VICENTE 154KV C1	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a la instalación en riesgo.	Bajo	Actividades: Inspección visual con trepado y medición de espesor de perfiles en estructuras. Restricciones: Bloqueo a la reconexión. Instalaciones en Riesgo: L 154KV Concepción-San Vicente, C2 o L 154KV Concepción-San Vicente, C1. Temporalidad de los Riesgos: Durante de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021063796	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	FRONTERA - MARIA ELENA 220KV	FRONTERA - MARIA ELENA C1 220KV	Otro Tipo de Trabajo	0	Lavado de aislación Tramo E20 - E75	Bajo	Actividades: Lavado de aislación Tramo E20 - E75 Restricciones: Ma. Elena_5213_5214 No reconectar Frontera_5212_5213 No reconectar Instalaciones en Riesgo: L 220kV María Elena-Frontera, C1 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: No hay	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 15:13
2021063696	Linea	Ejecución Exitosa	TRANSELEC	Intervención	Origen Interno	Programada	CRUCERO - MARIA ELENA 220KV	CRUCERO - MARIA ELENA 220KV C2	Otro Tipo de Trabajo	0	Medición malla puesta a tierra, estructuras: E02, E10, E19.	Bajo	Actividades: Medición malla puesta a tierra, estructuras: E02, E10, E19. Restricciones: No hay. Nivel de Riesgo: Riesgo no significativo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 16:58	24-08-21 17:43
2021074020	Linea	Ejecución Exitosa	TRANSELEC S.A.	Desconexión	Origen Interno	Curso Forzoso	CANUTILLAR - PUERTO MONTT 220KV	CANUTILLAR - PUERTO MONTT 220KV C2	Otro Tipo de Trabajo	0	No hay	Bajo	Actividades: Por nevadas en la zona se requiere desconexión de la línea 220kV Canutillar - Puerto Montt 2, se mantendrá en servicio línea 220kV Canutillar - Puerto Montt 1. Restricciones: Equipo indisponible. Instalaciones en Riesgo: L 220kV Canutillar - Puerto Montt 2 Temporalidad de los Riesgos: Al término de la condición operacional Nivel de Riesgo: Bajo Observaciones: - Se realizará solo apertura de los interruptores asociados a la línea, condición operacional. - Previa a normalización se debe verificar las condiciones climáticas de la zona alta de la línea.	No tiene consumo afectado		ninguno			24-08-21 20:00	25-08-21 20:00	24-08-21 20:28	28-08-21 19:25
2021073776	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Curso Forzoso	ALTO JAHUEL - CHENA 220KV	ALTO JAHUEL - ESTRUCTURA 72A 220KV C3 ESTRUCTURA 72A - CHENA 220KV C3	Otro Tipo de Trabajo	0	Inspección visual de la línea con trepado de estructuras, para investigar casa de falla Coordinado con ENEL.	Bajo	Actividades: Inspección visual de la línea con trepado de estructuras, para investigar casa de falla. Restricciones: No reconectar los interruptores asociados a la línea de 220 kV Alto Jahuel - Chena circ.3 y 4 y línea de 220 kV Chena - Neptuno circ.1 y línea de 220 kV Chena - Cerro Navia circ.2. Instalaciones en Riesgo: Línea de 220 kV Alto Jahuel - Chena circ.3 o 4 o Línea de 220 kV Chena - Cerro Navia circ.2 o Línea de 220 kV Chena - Neptuno circ.1. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: Señalización y delimitación de la zona de trabajo.	No tiene consumo afectado		ninguno			24-08-21 10:00	24-08-21 18:00	24-08-21 11:42	24-08-21 13:09
2021073775	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Curso Forzoso	NEPTUNO - CHENA 220KV	NEPTUNO - CHENA 220KV C1	Otro Tipo de Trabajo	0	Inspección visual de la línea con trepado de estructuras, para investigar casa de falla Coordinado con ENEL.	Bajo	Actividades: Inspección visual de la línea con trepado de estructuras, para investigar casa de falla. Restricciones: No reconectar los interruptores asociados a la línea de 220 kV Alto Jahuel - Chena circ.3 y 4 y línea de 220 kV Chena - Neptuno circ.1 y línea de 220 kV Chena - Cerro Navia circ.2. Instalaciones en Riesgo: Línea de 220 kV Alto Jahuel - Chena circ.3 o 4 o Línea de 220 kV Chena - Cerro Navia circ.2 o Línea de 220 kV Chena - Neptuno circ.1. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: Señalización y delimitación de la zona de trabajo.	No tiene consumo afectado		ninguno			24-08-21 10:00	24-08-21 18:00	24-08-21 11:42	24-08-21 13:09
2021073774	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Curso Forzoso	CERRO NAVIA - CHENA 220KV	CERRO NAVIA - ESTRUCTURA 72 220KV C2 ESTRUCTURA 72 - CHENA 220KV C2	Otro Tipo de Trabajo	0	Inspección visual de la línea con trepado de estructuras, para investigar casa de falla Coordinado con ENEL.	Bajo	Actividades: Inspección visual de la línea con trepado de estructuras, para investigar casa de falla. Restricciones: No reconectar los interruptores asociados a la línea de 220 kV Alto Jahuel - Chena circ.3 y 4 y línea de 220 kV Chena - Neptuno circ.1 y línea de 220 kV Chena - Cerro Navia circ.2. Instalaciones en Riesgo: Línea de 220 kV Alto Jahuel - Chena circ.3 o 4 o Línea de 220 kV Chena - Cerro Navia circ.2 o Línea de 220 kV Chena - Neptuno circ.1. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: Señalización y delimitación de la zona de trabajo.	No tiene consumo afectado		ninguno			24-08-21 10:00	24-08-21 18:00	24-08-21 11:42	24-08-21 13:09
2021073773	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Curso Forzoso	ALTO JAHUEL - CHENA 220KV	ALTO JAHUEL - ESTRUCTURA 72A 220KV C4 ESTRUCTURA 72A - CHENA 220KV C4	Otro Tipo de Trabajo	0	Inspección visual de la línea con trepado de estructuras, para investigar casa de falla Coordinado con ENEL.	Bajo	Actividades: Inspección visual de la línea con trepado de estructuras, para investigar casa de falla. Restricciones: No reconectar los interruptores asociados a la línea de 220 kV Alto Jahuel - Chena circ.3 y 4 y línea de 220 kV Chena - Neptuno circ.1 y línea de 220 kV Chena - Cerro Navia circ.2. Instalaciones en Riesgo: Línea de 220 kV Alto Jahuel - Chena circ.3 o 4 o Línea de 220 kV Chena - Cerro Navia circ.2 o Línea de 220 kV Chena - Neptuno circ.1. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: Señalización y delimitación de la zona de trabajo.	No tiene consumo afectado		ninguno			24-08-21 10:00	24-08-21 18:00	24-08-21 11:42	24-08-21 13:09
2021072524	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	PULLINQUE - LOS LAGOS 66KV	PANGUIPULLI - LOS LAGOS 66KV C1 PULLINQUE - PANGUIPULLI 66KV C1	Otro Tipo de Trabajo	0	Trabajos coordinados con STS.	Bajo	Actividades: Inspección exhaustiva con trepado de estructuras por investigación de causas de la desconexión forzada de la línea con fecha 13-08-2021 Restricciones: Restricción a la restricción Instalaciones en Riesgo: L 066kV Pullinque-Los Lagos, C1 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 09:00	24-08-21 18:00	24-08-21 09:52	24-08-21 18:37
2021072094	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	PAPOSO - FRANCISCO 220KV	PAPOSO - TAP LALACKAMA 220KV C1 TAP LALACKAMA - FRANCISCO 220KV C1	Otro Tipo de Trabajo	0	A solicitud de enel green power, restricción en apoyo al lavado de la subestación tap off Lalackama.	instalación con riesgo: L 220 kV Paposo - Francisco. Temporalidad de los riesgos: Durante los trabajos de Enel areen power. Nivel de riesgo: Baio.	TRABAJO POR REALIZAR: LAVADO DE AISLACION TAP OFF Lalackama Restricciones: No reconectar el 5211 de subestación Paposo.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:08	24-08-21 18:37
2021071338	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	LAS COMPANIAS - MAITENCILLO 110KV	DOS AMIGOS - ALGARROBO 110KV C1 INCAHUASI - PAJONALES 110KV C1 LAS COMPANIAS - TAP ROMERAL 110KV C1 ALGARROBO - MAITENCILLO 110KV C1 PAJONALES - DOS AMIGOS 110KV C1 TAP ROMERAL - INCAHUASI 110KV C1	Otro Tipo de Trabajo	0	Instalación o reemplazo de breteles y amortiguadores (Energizado; método a distancia)	Bajo	Actividades: Instalación o reemplazo de breteles y amortiguadores (Energizado; método a distancia), ELIMINAR BRETELES POR MEDIO DE CORTE A DISTANCIA EN ESTRUCTURAS N°262(C2) 263(C2) 264(C2) 265(C2) 267(CM) 269(CM) 270(CM) 272(CD) y 273(CM) E INSTALACION DE PREFORMADA CZ E 26S. TRABAJOS CON LINEA ENERGIZADA. (TRAMO ROMERAL - INCAHUASI) Restricciones: Subestación Compañías, 52H2 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H1 con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 110kV Maitencillo-Las Compañías, C1 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 16:57
2021070643	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALTO JAHUEL - RANCAGUA - TINGUIRIRICA 154KV	ALTO JAHUEL - VILLASECA 154KV C2 VILLASECA - TAP TUNICHE 154KV C2 TAP PUNTA CORTES - TAP TILCOCO 154KV C2 TAP TUNICHE - TAP PUNTA CORTES 154KV C2 TAP TUNICHE - RANCAGUA 154KV C2 TAP TILCOCO - TAP MALLOA NUEVA 154KV C2 TAP MALLOA NUEVA - TINGUIRIRICA 154KV C2	Otro Tipo de Trabajo	0	Programa de mantenimiento de Lineas.-	Bajo	Actividades: Cierre de puentes de anclaje en instalación energizada en Simple Circuito y Doble, Cierre de puentes en E-168,Normalización de fase inferior en punta de cruceta E-151. Instalaciones en Riesgo: Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 o Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 2.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 y 2.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:48	24-08-21 15:12
2021070642	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALTO JAHUEL - RANCAGUA - TINGUIRIRICA 154KV	ALTO JAHUEL - VILLASECA 154KV C1 VILLASECA - TAP PAINE 154KV C1 TAP PAINE - TAP TUNICHE 154KV C1 TAP PUNTA CORTES - TAP TILCOCO 154KV C1 TAP TUNICHE - TAP PUNTA CORTES 154KV C1 TAP TUNICHE - RANCAGUA 154KV C1 TAP MALLOA NUEVA - TINGUIRIRICA 154KV C1 TAP TILCOCO - TAP MALLOA NUEVA 154KV C1	Otro Tipo de Trabajo	0	Programa de mantenimiento de Lineas.-	Bajo	Actividades: Cierre de puentes de anclaje en instalación energizada en Simple Circuito y Doble, Cierre de puentes en E-168,Normalización de fase inferior en punta de cruceta E-151. Instalaciones en Riesgo: Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 o Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 2.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 y 2.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:48	24-08-21 15:12
2021070622	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALTO JAHUEL - CHENA 220KV	ALTO JAHUEL - EL RODEO 220KV C2 EL RODEO - TAP CENTRAL SANTA MARTA 220KV C2 TAP CENTRAL SANTA MARTA - CHENA 220KV C2	Otro Tipo de Trabajo	0	Lavado de aislación en estructuras. Coordinado con C. Santa Marta.	Bajo	Actividades: Lavado de aislación en estructuras. Restricciones: No reconectar interruptores asociados a la línea de 220 kV Alto Jahuel - Chena circuito 1 y 2. Instalaciones en Riesgo: Línea de 220 kV Alto Jahuel - Chena circuito 1 o 2. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37

Reporte Desconexión/Intervención Linea
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Linea: 93

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Linea	Tramo(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021070621	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALTO JAHUEL - CHENA 220KV	ALTO JAHUEL - EL RODEO 220KV C1 EL RODEO - CHENA 220KV C1	Otro Tipo de Trabajo	0	Lavado de aislación en estructuras. Coordinado con C. Santa Marta.	Bajo	Actividades: Lavado de aislación en estructuras. Restricciones: No reconectar interruptores asociados a la linea de 220 kV Alto Jahuel - Chena circuito 1 y 2. Instalaciones en Riesgo: Linea de 220 kV Alto Jahuel - Chena circuito 1 o 2. Temporalidad de los Riesgos: Durante la ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021070610	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	NOGALES - POLPAICO 220KV	NOGALES - POLPAICO 220KV C2	Otro Tipo de Trabajo	0	Instalación de peinetas y placas de policarbonato en estructuras.	Bajo	Actividades: Instalación de peinetas y placas de policarbonato en estructuras. Restricciones: No reconectar interruptores asociados a la linea de 220 kV Nogales - Polpaico circuito 1 y 2. Instalaciones en Riesgo: Linea de 220 kV Nogales - Polpaico circuito 1 o 2. Temporalidad de los Riesgos: Durante ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021070609	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	NOGALES - POLPAICO 220KV	NOGALES - POLPAICO 220KV C1	Otro Tipo de Trabajo	0	Instalación de peinetas y placas de policarbonato en estructuras.	Bajo	Actividades: Instalación de peinetas y placas de policarbonato en estructuras. Restricciones: No reconectar interruptores asociados a la linea de 220 kV Nogales - Polpaico circuito 1 y 2. Instalaciones en Riesgo: Linea de 220 kV Nogales - Polpaico circuito 1 o 2. Temporalidad de los Riesgos: Durante ejecución de los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021070487	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	PUNTA COLORADA - DON HECTOR 220KV	PUNTA COLORADA – DON HECTOR 220KV C1	Otro Tipo de Trabajo	0	S/E P. Colorada: Medición de barrido de frecuencias en OPLAT 1 Dir. S/E Don Héctor para identificar frecuencias libres en el espectro para los nuevos sistemas OPLAT.	Bajo	Actividades: Intervención en sistemas OPLAT con Teleprotecciones, S/E P. Colorada: Medición de barrido de frecuencias en OPLAT 1 Dir. S/E Don Héctor para identificar frecuencias libres en el espectro para los nuevos sistemas OPLAT. Restricciones: No hay Instalaciones en Riesgo: L 220kV Punta Colorada-Don Héctor, C1 Temporalidad de los Riesgos: Al inicio, Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena: Subestación P. Colorada, Conos y cadenas Delimitación de la zona de trabajo Delimitación de la zona de trabajo, área restringida, solo personal autorizado.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 12:00	24-08-21 09:52	24-08-21 15:13
2021070021	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	HUASCO - MAITENCILLO 110KV L2	HUASCO - MAITENCILLO 110KV L2 C2	Otro Tipo de Trabajo	0	Lavado de aislación; en instalación energizada (Simple Circuito), LAVADO DE AISLACION ESTR. 10 a 121.	Bajo	Actividades: Lavado de aislación; en instalación energizada (Simple Circuito), LAVADO DE AISLACION ESTR. 10 a 121. Restricciones: Subestación Huasco, 52H2 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52H2 con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 110kV Huasco-Maitencillo, C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 16:57
2021070011	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	DON HECTOR - MAITENCILLO 220KV	DON HECTOR – MAITENCILLO 220KV C2	Otro Tipo de Trabajo	0	Lavado de aislación; en instalación energizada (Doble Circuito), LAVADO DE AISLACION ESTR. 424 - 425 - 430 a 464.	Bajo	Actividades: Lavado de aislación; en instalación energizada (Doble Circuito), LAVADO DE AISLACION ESTR. 424 - 425 - 430 a 464. Restricciones: Subestación Don Héctor, 52J1 con bloqueo a la reconexión inmovilizado Subestación Don Héctor, 52J2 con bloqueo a la reconexión inmovilizado Subestación Don Héctor, 52J4 con bloqueo a la reconexión inmovilizado Subestación Don Héctor, 52J5 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52J3 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52J4 con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 220kV Don Héctor-Maitencillo, C1 o L 220kV Don Héctor-Maitencillo, C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 17:43
2021070010	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	DON HECTOR - MAITENCILLO 220KV	DON HECTOR – MAITENCILLO 220KV C1	Otro Tipo de Trabajo	0	Lavado de aislación; en instalación energizada (Doble Circuito), LAVADO DE AISLACION ESTR. 424 - 425 - 430 a 464.	Bajo	Actividades: Lavado de aislación; en instalación energizada (Doble Circuito), LAVADO DE AISLACION ESTR. 424 - 425 - 430 a 464. Restricciones: Subestación Don Héctor, 52J1 con bloqueo a la reconexión inmovilizado Subestación Don Héctor, 52J2 con bloqueo a la reconexión inmovilizado Subestación Don Héctor, 52J4 con bloqueo a la reconexión inmovilizado Subestación Don Héctor, 52J5 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52J3 con bloqueo a la reconexión inmovilizado Subestación Maitencillo, 52J4 con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 220kV Don Héctor-Maitencillo, C1 o L 220kV Don Héctor-Maitencillo, C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 17:43
2021069985	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	LOS MOLLES - OVALLE 66KV	ESTRUCTURA 128 - ESTRUCTURA 129 66KV C2 LOS MOLLES - ESTRUCTURA 128 66KV C2 ESTRUCTURA 129 - MONTE PATRIA 66KV C2 MONTE PATRIA - OVALLE 66KV C2	Otro Tipo de Trabajo	0	desmantelamiento de linea, incluye conductor, postes y ferreteria., Desmovilización y retiro de linea auxiliar Tramos 1y2.	Bajo	Actividades: desmantelamiento de linea, incluye conductor, postes y ferreteria., Desmovilización y retiro de linea auxiliar Tramos 1y2. Restricciones: Subestación Los Molles, 52B1 con bloqueo a la reconexión inmovilizado Subestación Los Molles, 52B2 con bloqueo a la reconexión inmovilizado Subestación Ovalle, 52B1 con bloqueo a la reconexión inmovilizado Subestación Ovalle, 52B2 con bloqueo a la reconexión inmovilizado Subestación Monte Patria, 52CT1 (Se requiere SODI) con bloqueo a la reconexión inmovilizado Subestación Monte Patria, 52ET2 (Se requiere SODI) con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 066kV Los Molles-Ovalle, C1 o L 066kV Los Molles-Ovalle, C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069984	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	LOS MOLLES - OVALLE 66KV	LOS MOLLES - ESTRUCTURA 128 66KV C1 ESTRUCTURA 128 - ESTRUCTURA 129 66KV C1 ESTRUCTURA 129 - MONTE PATRIA 66KV C1 MONTE PATRIA - OVALLE 66KV C1	Otro Tipo de Trabajo	0	desmantelamiento de linea, incluye conductor, postes y ferreteria., Desmovilización y retiro de linea auxiliar Tramos 1y2.	Bajo	Actividades: desmantelamiento de linea, incluye conductor, postes y ferreteria., Desmovilización y retiro de linea auxiliar Tramos 1y2. Restricciones: Subestación Los Molles, 52B1 con bloqueo a la reconexión inmovilizado Subestación Los Molles, 52B2 con bloqueo a la reconexión inmovilizado Subestación Ovalle, 52B1 con bloqueo a la reconexión inmovilizado Subestación Ovalle, 52B2 con bloqueo a la reconexión inmovilizado Subestación Monte Patria, 52CT1 (Se requiere SODI) con bloqueo a la reconexión inmovilizado Subestación Monte Patria, 52ET2 (Se requiere SODI) con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 066kV Los Molles-Ovalle, C1 o L 066kV Los Molles-Ovalle, C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069975	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	DON GOYO - LA CEBADA 220KV	DON GOYO - TAP TALINAY 220KV C2 TAP TALINAY - LA CEBADA 220KV C2	Otro Tipo de Trabajo	0	Bajar mufas de cable OPGW e Instalación y Retiro de By-pass, Bajada de mufas para efectuar mediciones en el tramo La Cebada-Don Goyo y tender bypass a piso , especificamente entre las estructuras 316 a la 326.	Alto	Actividades: Bajar mufas de cable OPGW e Instalación y Retiro de By-pass, Bajada de mufas para efectuar mediciones en el tramo La Cebada-Don Goyo y tender bypass a piso , especificamente entre las estructuras 316 a la 326. Restricciones: Terceros, S/E La Cebada 52J2 con bloqueo a la reconexión inmovilizado Terceros, S/E La Cebada 52J4 con bloqueo a la reconexión inmovilizado Terceros, S/E Don Goyo 52J3 con bloqueo a la reconexión inmovilizado Terceros, S/E Don Goyo 52J5 con bloqueo a la reconexión inmovilizado Terceros, S/E Talinay 52JL con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 220kV La Cebada - Don Goyo C1 o L 220kV La Cebada-Tap Talinay- D.Goyo C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069974	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Externo	Programada	DON GOYO - LA CEBADA 220KV	DON GOYO - LA CEBADA 220KV C1	Otro Tipo de Trabajo	0	Bajar mufas de cable OPGW e Instalación y Retiro de By-pass, Bajada de mufas para efectuar mediciones en el tramo La Cebada-Don Goyo y tender bypass a piso , especificamente entre las estructuras 316 a la 326.	Alto	Actividades: Bajar mufas de cable OPGW e Instalación y Retiro de By-pass, Bajada de mufas para efectuar mediciones en el tramo La Cebada-Don Goyo y tender bypass a piso , especificamente entre las estructuras 316 a la 326. Restricciones: Terceros, S/E La Cebada 52J2 con bloqueo a la reconexión inmovilizado Terceros, S/E La Cebada 52J4 con bloqueo a la reconexión inmovilizado Terceros, S/E Don Goyo 52J3 con bloqueo a la reconexión inmovilizado Terceros, S/E Don Goyo 52J5 con bloqueo a la reconexión inmovilizado Terceros, S/E Talinay 52JL con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 220kV La Cebada - Don Goyo C1 o L 220kV La Cebada-Tap Talinay- D.Goyo C2 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37

Reporte Desconexión/Intervención Linea
Fecha generación reporte: 07-09-2021 11:34:17
Estados: Ejecución Exitosa, Ejecución Exitosa
Total registros General: 187
Total registros Linea: 93

Número	Tipo	Estado	Empresa	Tipo Solicitud	Origen	Tipo Programación	Linea	Tramo(s)	Tipo Trabajo	Potencia	Trabajos a Realizar	Descripción Nivel Riesgo	Comentario Adicional	Consumo	Empresas Afectadas	Trabajo Requiere	Estado Operativo	Estado Operativo Efectivo	Fecha Inicio	Fecha Fin	Fecha Efectiva Inicio	Fecha Efectiva Fin
2021069967	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALGARROBAL – MAITENCILLO 220KV [EN_REVISION]	EST 141C – MAITENCILLO 220KV C1 [EN_REVISION]	Otro Tipo de Trabajo	0	Lavado de aislación; en instalación energizada (Simple Circuito), LAVADO DE AISLACION ESTR. 18a95.	Bajo	Actividades: Lavado de aislación; en instalación energizada (Simple Circuito), LAVADO DE AISLACION ESTR. 18a95. Restricciones: Subestación Maitencillo, 52J1 con bloqueo a la reconexión inmovilizado Terceros, S/E Algarrobal 52J2 (Se requiere SODI) con bloqueo a la reconexión inmovilizado Terceros, S/E Algarrobal 52J3 (Se requiere SODI) con bloqueo a la reconexión inmovilizado Instalaciones en Riesgo: L 220kV Maitencillo-Algarrobal , C1 Temporalidad de los Riesgos: Durante de los trabajos Nivel de Riesgo: Bajo Bloqueos del Jefe de Faena:	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 16:57
2021069583	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	TARAPACA - CONDORES 220KV	TARAPACA - CONDORES 220KV C1	Otro Tipo de Trabajo	0	A solicitud de la obra Teck, refuerzo y cambio de piezas estructuras existentes (Est. 22BD.N 2A, E10. Est. 22AD.N E2D; 5, 6, 8, 9, 11, 12, 14; Est. 22DD.N 28; Est. 22CD.N 7, Est. 22FD.N 2, 2C, 3 y 4).	Bajo	Actividades: A solicitud de la obra Teck, Refuerzo y cambio de piezas estructuras existentes (Est. 22BD.N 2A, E10. Est. 22AD.N E2D; 5, 6, 8, 9, 11, 12, 14; Est. 22DD.N 28; Est. 22CD.N 7, Est. 22FD.N 2, 2C, 3 y 4). Restricciones: Subestación Tarapacá, 52J3 con bloqueo a la reconexión. Subestación Cóndores, 52J1 con bloqueo a la reconexión. Instalaciones en Riesgo: L 220kV Tarapacá-Condores, C1. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: no hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:29	24-08-21 21:50
2021069532	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	CONCEPCION - SAN VICENTE 154KV	CONCEPCION - ESTRUCTURA 14 154KV C2 ESTRUCTURA 14 - ESTRUCTURA 15 154KV C2 ESTRUCTURA 15 - SAN VICENTE 154KV C2	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a las instalaciones en riesgo.	Bajo	Actividades: Reemplazo de aislación con método de LLVV estructuras de suspensión y reemplazo de pernos en crucetas. Restricciones: Bloqueo a la reconexión. Instalaciones en Riesgo: Linea 154 kV Concepción-San Vicente, C1 o linea 154 kV Concepción-San Vicente, C2. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069531	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	CONCEPCION - SAN VICENTE 154KV	CONCEPCION - ESTRUCTURA 14 154KV C1 ESTRUCTURA 14 - ESTRUCTURA 15 154KV C1 ESTRUCTURA 15 - SAN VICENTE 154KV C1	Otro Tipo de Trabajo	0	No reconectar interruptores asociados a las instalaciones en riesgo.	Bajo	Actividades: Reemplazo de aislación con método de LLVV estructuras de suspensión y reemplazo de pernos en crucetas. Restricciones: Bloqueo a la reconexión. Instalaciones en Riesgo: Linea 154 kV Concepción-San Vicente, C1 o linea 154 kV Concepción-San Vicente, C2. Temporalidad de los Riesgos: Durante los trabajos. Nivel de Riesgo: Bajo. Bloqueos del Jefe de Faena: No hay.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069179	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ANCOA - ALTO JAHUEL 500KV L1	ANCOA - ALTO JAHUEL 500KV L1 C1	Otro Tipo de Trabajo	0	Programa de mantenimiento de Lineas.-	Bajo	Actividades: Instalación de medidas de mitigación contra aves, Instalación de peinetas y planchas de policarbonato varias estructuras Instalaciones en Riesgo: Linea 500 kV Ancoa-Alto Jahuel, 1.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 500 kV Ancoa-Alto Jahuel, 1.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069174	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	SAUZAL - RANCAGUA 154KV	SAUZAL - TAP M V CENTRAL 154KV C1 TAP M V CENTRAL - RANCAGUA 154KV C1	Otro Tipo de Trabajo	0	Programa de mantenimiento de Lineas.-	Bajo	Actividades: Corta y/o poda de árboles en varios vanos.- Instalaciones en Riesgo: L 154KV Sauzal-Rancagua, C1.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 154 kV Sauzal-Rancagua.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 21:50
2021069173	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	SAN JAVIER - CONSTITUCION 66KV	TAP NIRIVILO - CONSTITUCION 66KV C1	Otro Tipo de Trabajo	0	Programa de mantenimiento de Lineas.-	Bajo	Actividades: Corta y/o poda de árboles próximo a instalación energizada.- Instalaciones en Riesgo: Linea 66 kV San Javier – Constitución.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 66 kV San Javier – Constitución.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069172	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	SAN JAVIER - CONSTITUCION 66KV	SAN JAVIER - ESTRUCTURA 22 66KV C1 ESTRUCTURA 22 - ESTRUCTURA 23 66KV C1 ESTRUCTURA 23 - ESTRUCTURA 164 66KV C1 ESTRUCTURA 164 - ESTRUCTURA 165 66KV C1 ESTRUCTURA 165 - TAP NIRIVILO 66KV C1	Otro Tipo de Trabajo	0	Programa de mantenimiento de Lineas.-	Bajo	Actividades: Corta y/o poda de árboles próximo a instalación energizada.- Instalaciones en Riesgo: Linea 66 kV San Javier – Constitución.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 66 kV San Javier – Constitución.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 18:37
2021069154	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALTO JAHUEL - RANCAGUA - TINGUIRIRICA 154KV	ALTO JAHUEL - VILLASECA 154KV C2 VILLASECA - TAP TUNICHE 154KV C2 TAP PUNTA CORTES - TAP TILCOCO 154KV C2 TAP TUNICHE - TAP PUNTA CORTES 154KV C2 TAP TUNICHE - RANCAGUA 154KV C2 TAP TILCOCO - TAP MALLOA NUEVA 154KV C2 TAP MALLOA NUEVA - TINGUIRIRICA 154KV C2	Otro Tipo de Trabajo	0	Programa de mantenimiento de lineas.-	Bajo	Actividades: Roce de vegetación en franja de servidumbre bajo la linea energizada.- Instalaciones en Riesgo: Linea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 o Linea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 2.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 y 2.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 21:50
2021069153	Linea	Ejecución Exitosa	TRANSELEC S.A.	Intervención	Origen Interno	Programada	ALTO JAHUEL - RANCAGUA - TINGUIRIRICA 154KV	ALTO JAHUEL - VILLASECA 154KV C1 VILLASECA - TAP PAINE 154KV C1 TAP PAINE - TAP TUNICHE 154KV C1 TAP PUNTA CORTES - TAP TILCOCO 154KV C1 TAP TUNICHE - TAP PUNTA CORTES 154KV C1 TAP TUNICHE - RANCAGUA 154KV C1 TAP MALLOA NUEVA - TINGUIRIRICA 154KV C1 TAP TILCOCO - TAP MALLOA NUEVA 154KV C1	Otro Tipo de Trabajo	0	Programa de mantenimiento de lineas.-	Bajo	Actividades: Roce de vegetación en franja de servidumbre bajo la linea energizada.- Instalaciones en Riesgo: Linea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 o Linea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 2.- Temporalidad de los Riesgos: Durante los trabajos, por acortamiento de distancia con linea energizada.- Nivel de Riesgo: Bajo.- Bloqueos del Jefe de Faena: No reconectar Interruptores que sirven a la Línea 154 kV Tinguiririca-Rancagua-A. Jahuel, Circuito 1 y 2.-	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 05:34	24-08-21 21:50
2021072248	Linea	Ejecución Exitosa	TRANSMISORA BAQUEDANO	Intervención	Origen Interno	Programada	ANGAMOS - ESTACION DE BOMBEO SIERRA GORDA N°1 220KV	ANGAMOS - PATIO MUFAS ANGAMOS 220KV C1 PATIO MUFAS ANGAMOS - PATIO MUFAS EST. DE BOMBEO SG 1 220KV C1 PATIO MUFAS EST. DE BOMBEO SG 1 - EST. DE BOMBEO SG 1 220KV C1	Lavado de Aislación	0	Inspección de aislación de torres de Linea 220 kV Angamos- Estación de bombeo SG1 mediante drone. Condiciones requeridas: no reconectar 52J4 S/E Angamos y 52JT1 en S/E Estación de Bombeo Sierra Gorda 1.	El riesgo del trabajo es bajo.	Inspección de aislación de torres de Linea 220 kV Angamos- Estación de bombeo SG1 mediante drone. Condiciones requeridas: no reconectar 52J4 S/E Angamos y 52JT1 en S/E Estación de Bombeo Sierra Gorda 1.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 08:58	24-08-21 19:36
2021072244	Linea	Ejecución Exitosa	TRANSMISORA BAQUEDANO	Intervención	Origen Interno	Programada	EST. DE BOMBEO SG N°1 - EST. DE BOMBEO SG N°2 110KV	EST. BOMBEO SG 1 - EST BOMBEO SG 2 110KV C1 PATIO MUFAS EST BOMBEO SG 1 - EST BOMBEO SG 1 110KV C1	Lavado de Aislación	0	Inspección de aislación de torres de Linea 110 kV Estación de bombeo SG1- Estación de bombeo SG2 mediante drone. Condiciones requeridas: no reconectar 52H3 S/E Bombeo Sierra Gorda 1, no reconectar 52HT1 S/E Bombeo Sierra Gorda 2.	El riesgo del trabajo es bajo.	Inspección de aislación de torres de Linea 110 kV Estación de bombeo SG1- Estación de bombeo SG2 mediante drone. Condiciones requeridas: no reconectar 52H3 S/E Bombeo Sierra Gorda 1, no reconectar 52HT1 S/E Bombeo Sierra Gorda 2.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 20:00	24-08-21 08:58	24-08-21 19:36
2021071173	Linea	Ejecución Exitosa	TRANSMISORA MEJILLONES	Intervención	Origen Interno	Programada	CERRO DOMINADOR - ENCUENTRO 220KV	CERRO DOMINADOR - ENCUENTRO 220KV C1	Otro Tipo de Trabajo	0	Lavado de aislación de estructuras de linea con instalaciones energizadas. Condiciones requeridas: No reconectar 52J12 S/E Encuentro; No reconectar 52J13 S/E Encuentro; No reconectar 52J1 S/E Cerro Dominador; No reconectar 52J2 S/E Cerro Dominador; No reconectar 52J1 S/E Sierra Gorda; No reconectar 52J2 S/E Sierra Gorda.	El riesgo del trabajo es bajo.	Lavado de aislación de estructuras de linea con instalaciones energizadas. Condiciones requeridas: No reconectar 52J12 S/E Encuentro; No reconectar 52J13 S/E Encuentro; No reconectar 52J1 S/E Cerro Dominador; No reconectar 52J2 S/E Cerro Dominador; No reconectar 52J1 S/E Sierra Gorda; No reconectar 52J2 S/E Sierra Gorda.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:58	24-08-21 19:35
2021071172	Linea	Ejecución Exitosa	TRANSMISORA MEJILLONES	Intervención	Origen Interno	Programada	ENCUENTRO - SIERRA GORDA 220KV	ENCUENTRO - PATIO DE MUFAS ENCUENTRO 220KV C2 PATIO DE MUFAS ENCUENTRO - SIERRA GORDA 220KV C2	Lavado de Aislación	0	Lavado de aislación de estructuras de linea con instalaciones energizadas. Condiciones requeridas: No reconectar 52J12 S/E Encuentro; No reconectar 52J13 S/E Encuentro; No reconectar 52J1 S/E Cerro Dominador; No reconectar 52J2 S/E Cerro Dominador; No reconectar 52J1 S/E Sierra Gorda; No reconectar 52J2 S/E Sierra Gorda.	El riesgo del trabajo es bajo.	Lavado de aislación de estructuras de linea con instalaciones energizadas. Condiciones requeridas: No reconectar 52J12 S/E Encuentro; No reconectar 52J13 S/E Encuentro; No reconectar 52J1 S/E Cerro Dominador; No reconectar 52J2 S/E Cerro Dominador; No reconectar 52J1 S/E Sierra Gorda; No reconectar 52J2 S/E Sierra Gorda.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:58	24-08-21 19:36
2021064814	Linea	Ejecución Exitosa	TRANSMISORA VALLE ALLIPEN	Intervención	Origen Interno	Programada	CUNCO - MELIPEUCO 110KV	CUNCO - MELIPEUCO 110KV C1	Roce y pode franja servidumbre	0	Roce, poda y chipeo en franja de servidumbre.	Bajo, los trabajos serán realizados por personal especialista bajo normas de seguridad.	S/E Melipeuco: interruptor 52H1 cuenta con reconexión automática deshabilitada. S/E Cunco: se coordinará con ST5 la no reconexión del interruptor 52H2 de caso de apertura.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:39	24-08-21 18:16
2021064755	Linea	Ejecución Exitosa	TRANSMISORA VALLE ALLIPEN	Intervención	Origen Interno	Programada	RIO TOLTEN - CUNCO 110KV	RIO TOLTEN - CUNCO 110KV C1	Roce y pode franja servidumbre	0	Roce, poda y chipeo en franja de servidumbre.	Bajo, pues el trabajo será realizado por personal calificado siguiendo normas de seguridad.	S/E Rio Tolten: 52J1 posee reconexión automática deshabilitada. S/E Cunco: se coordinará con ST5 la no reconexión del interruptor 52H1 en caso de apertura.	No tiene consumo afectado		ninguno			24-08-21 08:00	24-08-21 18:00	24-08-21 08:39	24-08-21 18:16

ANEXO Nº5

Informes de trabajos y fallas de instalaciones ingresados en el Sistema del Coordinador Eléctrico Nacional por Sistema de Transmisión del Sur S.A.

Resumen

Fecha de envío al Coordinador Eléctrico : 24-08-2021 21:36

Finalizado

Número:

2021002394

Solicitante:

Juan Miranda

Empresa:

SISTEMA DE TRANSMISIÓN DEL SUR S.A.

Tipo de Origen:

Interno

SubEstación:

S/E FRUTILLAR

Falla Sobre:

paño

Elementos

Tipo: panos **-** S/E FRUTILLAR CT2
Nombre : S/E FRUTILLAR CT2
Fecha Perturbacion : 24-08-2021 19:18
Fecha Normaliza : 24-08-2021 19:30
Protección : Interrupción 52CT2
Interruptor : 52CT2
Consumo : 5.6
Comentario : No hay

¿Produce otra indisponibilidad?

No

Zona Afectada

Los Lagos

Comuna

Frutillar

Tipo Causa

Causa Presunta
Causa Principal
Se investiga

Comentarios Tipo Causa:

Sobrecarga

Causas

-Fenómeno Físico: Sobrecarga.
-Elemento: Sistema protecciones

-Fenómeno Eléctrico: Desequilibrio de cargas
-Operación de los interruptores: Varios

Comentarios Causas:

-Fenómeno Físico:
-Elemento:
-Fenómeno Eléctrico:
-Operación de los interruptores:

Observaciones:

-Observaciones: Interrupción 52CT2 en S/E Frutiilar
-Acciones Inmediatas: Aviso al coordinador Aviso a distribuidora SAESA Aviso personal mantenimiento Revisión de protecciones
-Hechos Sucedidos: 19:18 Se recibe alarma SCADA de interrupción del 52CT2 en S/E Frutillar, se pierden 5,6 MW y se ven afectados 7374 clientes; Se da aviso al Coordinador; Se da aviso a distribuidora de SAESA; Se da aviso a personal de mantenimiento; Se revisan protecciones; Según análisis de protecciones se presume preliminarmente operación del 52CT2 por sobrecarga por lo que se solicitar probar barra de 13.2 kV en vacío; 19:26 Se abren alimentadores de distribución; 19:30 cierre con éxito del 52CT2 en vacío; 19:32 Se cierran con éxito alimentadores de distribución recuperando 100% de los consumos.
-Acciones Correctivas a Corto Plazo: Análisis y revisión
-Acciones Correctivas a Largo Plazo: No hay

Afecta SSCC:

No

Afecta Medidores:

No

Afecta Protecciones:

No

Consumo:

Consumo Regulado

Distribuidoras Afectadas

SOCIEDAD AUSTRAL DE ELECTRICIDAD S.A. / Perd. Estm. de Potencia: 5.6 / Región : Los Lagos / Clientes Afectados: 7374

Retorno Automatico:

No Tiene Retorno AutomÃ¡tico

Fecha / Hora Perturbación de la Solicitud:

24-08-2021 19:18

Fecha / Hora Estimada Retorno:

24-08-2021 19:30

Fecha / Hora Efectiva Retorno:

24-08-2021 19:30

Archivos Subidos

Archivo	Fecha Subida
2021002394_Frutillar.pdf (/informe_fallas/download_file/61259553ad651f2767ef2240/2021002394_Frutillar.pdf)	31/08/2021 18:36:49
Data.zip (/informe_fallas/download_file/61259553ad651f2767ef2240/Data.zip)	31/08/2021 18:37:01
Anexo 1.zip (/informe_fallas/download_file/61259553ad651f2767ef2240/Anexo 1.zip)	31/08/2021 18:37:15

ANEXO Nº6
Otros antecedentes aportados por Sistema de Transmisión del Sur S.A.

INFORME DE FALLA

INTERRUPCIÓN DEL 52CT2 EN SE FRUTILLAR

24 de agosto de 2021

Fecha de envío:	31 de agosto de 2021.
Hora:	18:40 horas.
Realizó:	Luis Moreira – Miguel Rodriguez – Juan Miranda.
Revisó:	Mauro Vicente Cedeño Gómez. Alexis Gabriel Aedo Sanhueza.
Aprobó:	Juan Pablo Antriao Molina.

1. Antecedentes generales:

Evento – Inst. Afectada	Operación 52CT2 en SE Frutillar.
Propietario	Sistema de Transmisión del Sur S. A.
RUT Propietario	77.683.400-9.
Representante legal	Francisco Alliende.
Dirección legal	Bulnes 441, Osorno.
Ubicación	Frutillar, Región de Los Lagos.
Fecha – Hora Inicio	24 de agosto de 2021, 19:18 horas.
Fecha – Hora Término	24 de agosto de 2021, 19:30 horas.
Duración	12 minutos
N° Correlativo IF CDC	2021002394.
Proposición del origen de la falla	Interna.

2. Información SEC:

Comuna ID	10105	Frutillar.
Fenómeno Físico	DIS2	Sobrecarga.
Elemento	PR6	Interruptores.
Fenómeno Eléctrico	PR51	Protección de sobrecorriente temporizada de fase
Modo	13	Opera según lo esperado.
Causa de Falla	Interrupción forzada por protecciones de interruptor 52CT2, por sobrecorriente registrada en una de sus fases, debido al crecimiento de la demanda.	
Evidencia fotográfica	No aplica.	

3. Consumos afectados:

Subestación	Alimentador	Pérdida de Consumo [MW]	H. Desc.	H. Norm.	Comunas afectadas	Clientes Afectados	Empresa
Frutillar	52C2 Frutillar Bajo	0.11	19:18	19:28	Frutillar y Llanquihue	145	**SAESA**
	52C2 Frutillar Bajo	4.59	19:18	19:32	Frutillar y Llanquihue	6107	**SAESA**
	52C3 Quilanto	0.19	19:18	19:25	Frutillar, Pto Octay y Purranque	220	**SAESA**
	52C3 Quilanto	0.71	19:18	19:32	Frutillar, Pto Octay y Purranque	850	**SAESA**
Total		**5.60**				**7322**	

3.1 Estimación de la energía no suministrada:

Subestación	Alimentador	Empresa	Tipo de cliente	Pérdida de Consumo [MW]	Tiempo desconexión (h)	ENS (MWh)
Frutillar	52C2 Frutillar Bajo	SAESA	Regulado	0.11	0.17	0.02
	52C2 Frutillar Bajo	SAESA	Regulado	4.59	0.23	1.07
	52C3 Quilanto	SAESA	Regulado	0.19	0.12	0.02
	52C3 Quilanto	SAESA	Regulado	0.71	0.23	0.17
					Total	**1.28**

3.2 Calificación de la ubicación de los alimentadores afectados por la falla, de acuerdo con lo indicado en el Decreto 327 del año 1997 del Ministerio de Minería, Título IX, Artículo 25.

Subestación	Alimentador	Comuna	Densidad	Descripción
Frutillar	52C2 Frutillar Bajo	Frutillar	D2	BAJA
	52C2 Frutillar Bajo	Llanquihue	D2	BAJA
	52C3 Quilanto	Frutillar	D2	BAJA
	52C3 Quilanto	Puerto Octay	D1	MUY BAJA
	52C3 Quilanto	Purranque	D2	BAJA

4. Generación afectada:

No hay.

5. Sistema de Transmisión:

Elemento Afectado	Tramo	Hora Desc.	Hora Norm.
52CT2	Barra 13.2 kV	19:18	19:30

5.1 Protecciones operadas:

Función activada	SSEE	Interruptor	Protección asociada
51	Frutillar	52CT2	SEL 651RA

6. Cronología de eventos y maniobras de normalización:

Hora	Evento
19:18	interrupción del 52CT2 general de barra 13.2 kV de SE Frutillar. Dejando Sin energía alimentadores de 13.2kV.
19:19	Se da aviso al CDC del Coordinador Eléctrico Nacional, distribuidora SAESA, personal de Mantenimiento de Transmisión.
19:20	Se revisan protecciones alarmadas.
19:25	Recuperado 220 clientes del alimentador 52C3 Quilanto, por maniobras en red MT desde alimentador 52ET2 Río Negro de SE Purranque.
19:26	Apertura de alimentadores 52C2 Frutillar Bajo y 52C3 Quilanto en barra 13,2kV, por maniobras de recuperación.
19:28	Análisis de protecciones arroja que operación del 52CT2 en S/E Frutillar se habría producido por sobrecarga.
19:28	Recuperado 145 clientes del alimentador 52C2 Frutillar Bajo, por maniobras en red MT desde alimentador 52ET2 Río Negro de SE Purranque.
19:27	Se solicita autorización al CDC del Coordinador Eléctrico Nacional, para realizar un intento de cierre del 52CT2 en vacío.
19:30	Cierre con éxito 52CT2 en S/E Frutillar.
19:32	Cierre con éxito alimentadores 52C2 Frutillar Bajo y 52C3 Quilanto, recuperando 100% de los consumos.

7. Esquema de las instalaciones previo a la falla:

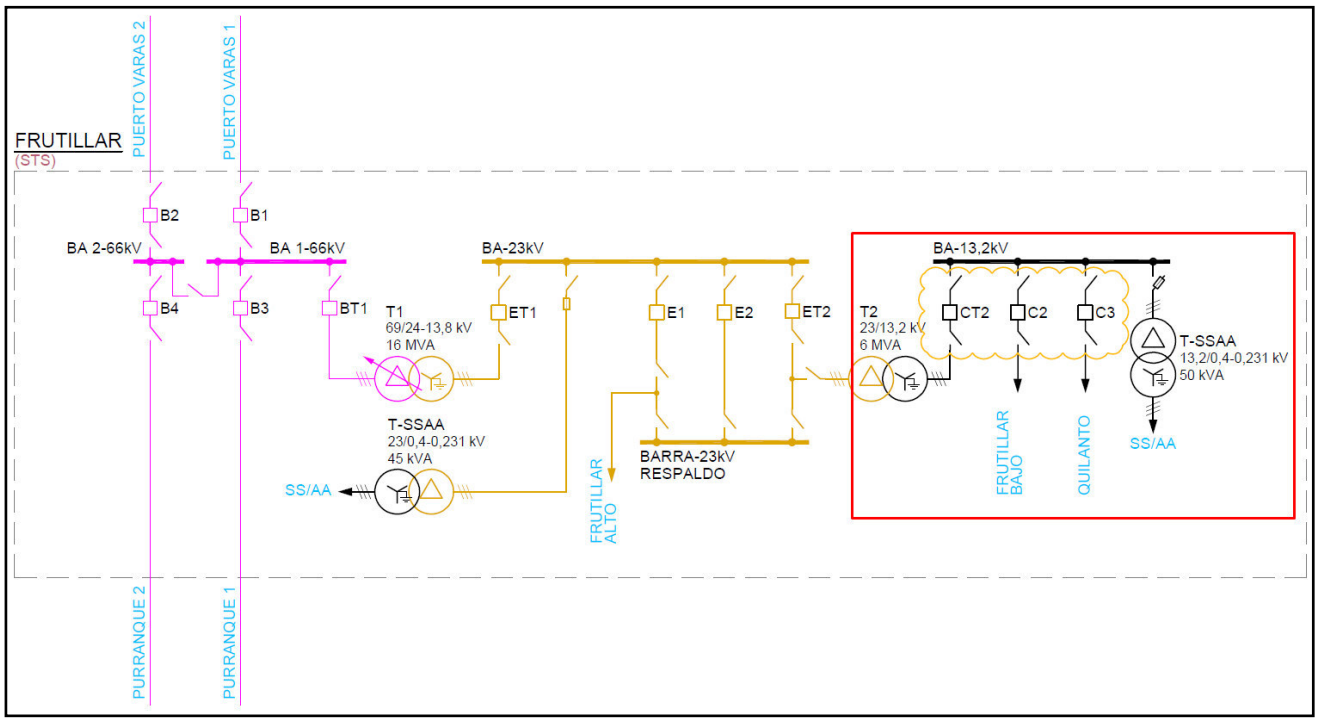


Figura N°1. Unilineal simplificado con la disposición de las instalaciones.

8. Listado de eventos generados y registrados en SCADA.

HIST_TIMESTAMP	LOCATION	COMPID	TEXT
24/08/2021 19:18:38d	FRUTILLA	FRUTILLA.C_T02.52CT2.EST	INTERRUPTOR 52CT2 ABIERTO/CERRADO ABIERTO
24/08/2021 19:26:46d	FRUTILLA	FRUTILLA.C_B02.52C2.EST	INTERRUPTOR 52C2 ABIERTO/CERRADO ABIERTO By JCHAVEZ
24/08/2021 19:26:54d	FRUTILLA	FRUTILLA.C_B03.52C3.EST	INTERRUPTOR 52C3 ABIERTO/CERRADO ABIERTO By JCHAVEZ
24/08/2021 19:30:01d	FRUTILLA	FRUTILLA.C_T02.52CT2.EST	INTERRUPTOR 52CT2 ABIERTO/CERRADO CERRADO By JCHAVEZ
24/08/2021 19:32:07d	FRUTILLA	FRUTILLA.C_B02.52C2.EST	INTERRUPTOR 52C2 ABIERTO/CERRADO CERRADO By JCHAVEZ
24/08/2021 19:32:44d	FRUTILLA	FRUTILLA.C_B03.52C3.EST	INTERRUPTOR 52C3 ABIERTO/CERRADO CERRADO By JCHAVEZ

9. Análisis de la actuación de protecciones y control.

1.1.Comportamiento unidad de control y protección 52CT2 SEL-651RA.

Registro eventos N°1 – Unidad de control 52CT2.

#	Date	Time	Element	State
1000	08/24/2021	22:56:31.440	OUT106	Asserted
999	08/24/2021	22:56:31.440	51P1	Asserted
998	08/24/2021	22:56:31.540	OUT106	Deasserted
997	08/24/2021	22:56:31.540	51P1	Deasserted
996	08/24/2021	22:56:31.610	OUT106	Asserted
995	08/24/2021	22:56:31.610	51P1	Asserted
994	08/24/2021	22:56:31.711	OUT106	Deasserted
993	08/24/2021	22:56:31.711	51P1	Deasserted
992	08/24/2021	22:56:31.751	OUT106	Asserted
991	08/24/2021	22:56:31.751	51P1	Asserted
990	08/24/2021	22:56:31.931	OUT106	Deasserted
989	08/24/2021	22:56:31.931	51P1	Deasserted
988	08/24/2021	22:56:31.951	OUT106	Asserted
987	08/24/2021	22:56:31.951	51P1	Asserted
986	08/24/2021	22:56:32.031	OUT106	Deasserted
985	08/24/2021	22:56:32.031	51P1	Deasserted
984	08/24/2021	22:56:32.161	OUT106	Asserted
983	08/24/2021	22:56:32.161	51P1	Asserted
982	08/24/2021	22:56:32.271	OUT106	Deasserted
981	08/24/2021	22:56:32.271	51P1	Deasserted
980	08/24/2021	22:56:32.291	OUT106	Asserted
979	08/24/2021	22:56:32.291	51P1	Asserted
978	08/24/2021	22:56:32.351	OUT106	Deasserted
977	08/24/2021	22:56:32.351	51P1	Deasserted
976	08/24/2021	22:56:32.371	OUT106	Asserted
975	08/24/2021	22:56:32.371	51P1	Asserted
974	08/24/2021	22:56:32.381	OUT106	Deasserted
973	08/24/2021	22:56:32.381	51P1	Deasserted
972	08/24/2021	22:56:33.902	OUT106	Asserted
971	08/24/2021	22:56:33.902	51P1	Asserted
970	08/24/2021	22:56:33.932	OUT106	Deasserted
969	08/24/2021	22:56:33.932	51P1	Deasserted
968	08/24/2021	22:56:33.942	OUT106	Asserted
967	08/24/2021	22:56:33.942	51P1	Asserted
966	08/24/2021	22:56:33.982	OUT106	Deasserted
965	08/24/2021	22:56:33.982	51P1	Deasserted
964	08/24/2021	22:56:34.032	OUT106	Asserted
963	08/24/2021	22:56:34.032	51P1	Asserted
962	08/24/2021	22:56:34.142	OUT106	Deasserted
961	08/24/2021	22:56:34.142	51P1	Deasserted
960	08/24/2021	22:56:34.172	OUT106	Asserted
959	08/24/2021	22:56:34.172	51P1	Asserted

#	Date	Time	Element	State
958	08/24/2021	22:56:34.332	OUT106	Deasserted
957	08/24/2021	22:56:34.332	51P1	Deasserted
956	08/24/2021	22:56:34.382	OUT106	Asserted
955	08/24/2021	22:56:34.382	51P1	Asserted
954	08/24/2021	22:56:34.492	OUT106	Deasserted
953	08/24/2021	22:56:34.492	51P1	Deasserted
952	08/24/2021	22:56:34.562	OUT106	Asserted
951	08/24/2021	22:56:34.562	51P1	Asserted
950	08/24/2021	22:56:34.632	OUT106	Deasserted
949	08/24/2021	22:56:34.632	51P1	Deasserted
948	08/24/2021	22:56:34.712	OUT106	Asserted
947	08/24/2021	22:56:34.712	51P1	Asserted
946	08/24/2021	22:56:34.812	OUT106	Deasserted
945	08/24/2021	22:56:34.812	51P1	Deasserted
944	08/24/2021	22:56:34.872	OUT106	Asserted
943	08/24/2021	22:56:34.872	51P1	Asserted
942	08/24/2021	22:56:34.892	OUT106	Deasserted
941	08/24/2021	22:56:34.892	51P1	Deasserted
940	08/24/2021	22:56:34.912	OUT106	Asserted
939	08/24/2021	22:56:34.912	51P1	Asserted
938	08/24/2021	22:56:34.922	OUT106	Deasserted
937	08/24/2021	22:56:34.922	51P1	Deasserted
936	08/24/2021	22:56:34.932	OUT106	Asserted
935	08/24/2021	22:56:34.932	51P1	Asserted
934	08/24/2021	22:56:35.002	OUT106	Deasserted
933	08/24/2021	22:56:35.002	51P1	Deasserted
932	08/24/2021	22:56:35.072	OUT106	Asserted
931	08/24/2021	22:56:35.072	51P1	Asserted
930	08/24/2021	22:56:35.212	OUT106	Deasserted
929	08/24/2021	22:56:35.212	51P1	Deasserted
928	08/24/2021	22:56:35.242	OUT106	Asserted
927	08/24/2021	22:56:35.242	51P1	Asserted
926	08/24/2021	22:56:35.352	OUT106	Deasserted
925	08/24/2021	22:56:35.352	51P1	Deasserted
924	08/24/2021	22:56:35.392	OUT106	Asserted
923	08/24/2021	22:56:35.392	51P1	Asserted
922	08/24/2021	22:56:35.422	OUT106	Deasserted
921	08/24/2021	22:56:35.422	51P1	Deasserted
920	08/24/2021	22:56:35.632	OUT106	Asserted
919	08/24/2021	22:56:35.632	51P1	Asserted
918	08/24/2021	22:56:35.692	OUT106	Deasserted
917	08/24/2021	22:56:35.692	51P1	Deasserted
916	08/24/2021	22:56:35.722	OUT106	Asserted
915	08/24/2021	22:56:35.722	51P1	Asserted
914	08/24/2021	22:56:35.862	OUT106	Deasserted
913	08/24/2021	22:56:35.862	51P1	Deasserted
912	08/24/2021	22:56:35.932	OUT106	Asserted
911	08/24/2021	22:56:35.932	51P1	Asserted

#	Date	Time	Element	State
910	08/24/2021	22:56:35.942	OUT106	Deasserted
909	08/24/2021	22:56:35.942	51P1	Deasserted
908	08/24/2021	22:56:35.982	OUT106	Asserted
907	08/24/2021	22:56:35.982	51P1	Asserted
906	08/24/2021	22:56:36.042	OUT106	Deasserted
905	08/24/2021	22:56:36.042	51P1	Deasserted
904	08/24/2021	22:56:36.072	OUT106	Asserted
903	08/24/2021	22:56:36.072	51P1	Asserted
902	08/24/2021	22:56:36.752	OUT106	Deasserted
901	08/24/2021	22:56:36.752	51P1	Deasserted
900	08/24/2021	22:56:36.772	OUT106	Asserted
899	08/24/2021	22:56:36.772	51P1	Asserted
898	08/24/2021	22:56:37.762	OUT106	Deasserted
897	08/24/2021	22:56:37.762	51P1	Deasserted
896	08/24/2021	22:56:37.802	OUT106	Asserted
895	08/24/2021	22:56:37.802	51P1	Asserted
894	08/24/2021	22:56:37.852	OUT106	Deasserted
893	08/24/2021	22:56:37.852	51P1	Deasserted
892	08/24/2021	22:56:37.872	OUT106	Asserted
891	08/24/2021	22:56:37.872	51P1	Asserted
890	08/24/2021	22:56:37.882	OUT106	Deasserted
889	08/24/2021	22:56:37.882	51P1	Deasserted
888	08/24/2021	22:56:37.942	OUT106	Asserted
887	08/24/2021	22:56:37.942	51P1	Asserted
886	08/24/2021	22:56:37.962	OUT106	Deasserted
885	08/24/2021	22:56:37.962	51P1	Deasserted
884	08/24/2021	22:56:38.002	OUT106	Asserted
883	08/24/2021	22:56:38.002	51P1	Asserted
882	08/24/2021	22:56:38.042	OUT106	Deasserted
881	08/24/2021	22:56:38.042	51P1	Deasserted
880	08/24/2021	22:56:38.343	OUT106	Asserted
879	08/24/2021	22:56:38.343	51P1	Asserted
878	08/24/2021	22:56:38.363	OUT106	Deasserted
877	08/24/2021	22:56:38.363	51P1	Deasserted
876	08/24/2021	22:56:38.383	OUT106	Asserted
875	08/24/2021	22:56:38.383	51P1	Asserted
874	08/24/2021	22:56:38.413	OUT106	Deasserted
873	08/24/2021	22:56:38.413	51P1	Deasserted
872	08/24/2021	22:56:38.523	OUT106	Asserted
871	08/24/2021	22:56:38.523	51P1	Asserted
870	08/24/2021	22:56:38.613	OUT106	Deasserted
869	08/24/2021	22:56:38.613	51P1	Deasserted
868	08/24/2021	22:56:38.663	OUT106	Asserted
867	08/24/2021	22:56:38.663	51P1	Asserted
866	08/24/2021	22:56:39.973	OUT106	Deasserted
865	08/24/2021	22:56:39.973	51P1	Deasserted
864	08/24/2021	22:56:40.083	OUT106	Asserted
863	08/24/2021	22:56:40.083	51P1	Asserted

#	Date	Time	Element	State
862	08/24/2021	22:56:40.123	OUT106	Deasserted
861	08/24/2021	22:56:40.123	51P1	Deasserted
860	08/24/2021	22:56:40.143	OUT106	Asserted
859	08/24/2021	22:56:40.143	51P1	Asserted
858	08/24/2021	22:56:40.173	OUT106	Deasserted
857	08/24/2021	22:56:40.173	51P1	Deasserted
856	08/24/2021	22:56:40.283	OUT106	Asserted
855	08/24/2021	22:56:40.283	51P1	Asserted
854	08/24/2021	22:56:40.323	OUT106	Deasserted
853	08/24/2021	22:56:40.323	51P1	Deasserted
852	08/24/2021	22:56:40.373	OUT106	Asserted
851	08/24/2021	22:56:40.373	51P1	Asserted
850	08/24/2021	22:56:40.463	OUT106	Deasserted
849	08/24/2021	22:56:40.463	51P1	Deasserted
848	08/24/2021	22:56:40.613	OUT106	Asserted
847	08/24/2021	22:56:40.613	51P1	Asserted
846	08/24/2021	22:56:40.633	OUT106	Deasserted
845	08/24/2021	22:56:40.633	51P1	Deasserted
844	08/24/2021	22:56:49.221	OUT106	Asserted
843	08/24/2021	22:56:49.221	51P1	Asserted
842	08/24/2021	22:56:49.231	OUT106	Deasserted
841	08/24/2021	22:56:49.231	51P1	Deasserted
840	08/24/2021	22:56:49.271	OUT106	Asserted
839	08/24/2021	22:56:49.271	51P1	Asserted
838	08/24/2021	22:56:49.301	OUT106	Deasserted
837	08/24/2021	22:56:49.301	51P1	Deasserted
836	08/24/2021	22:56:51.234	OUT106	Asserted
835	08/24/2021	22:56:51.234	51P1	Asserted
834	08/24/2021	22:56:51.264	OUT106	Deasserted
833	08/24/2021	22:56:51.264	51P1	Deasserted
832	08/24/2021	22:56:52.306	OUT106	Asserted
831	08/24/2021	22:56:52.306	51P1	Asserted
830	08/24/2021	22:56:52.326	OUT106	Deasserted
829	08/24/2021	22:56:52.326	51P1	Deasserted
828	08/24/2021	22:56:52.466	OUT106	Asserted
827	08/24/2021	22:56:52.466	51P1	Asserted
826	08/24/2021	22:56:52.687	OUT106	Deasserted
825	08/24/2021	22:56:52.687	51P1	Deasserted
824	08/24/2021	22:56:52.717	OUT106	Asserted
823	08/24/2021	22:56:52.717	51P1	Asserted
822	08/24/2021	22:56:52.727	OUT106	Deasserted
821	08/24/2021	22:56:52.727	51P1	Deasserted
820	08/24/2021	22:56:52.917	OUT106	Asserted
819	08/24/2021	22:56:52.917	51P1	Asserted
818	08/24/2021	22:56:54.510	OUT106	Deasserted
817	08/24/2021	22:56:54.510	51P1	Deasserted
816	08/24/2021	22:56:54.520	OUT106	Asserted
815	08/24/2021	22:56:54.520	51P1	Asserted

#	Date	Time	Element	State
814	08/24/2021	22:56:54.560	OUT106	Deasserted
813	08/24/2021	22:56:54.560	51P1	Deasserted
812	08/24/2021	22:56:54.670	OUT106	Asserted
811	08/24/2021	22:56:54.670	51P1	Asserted
810	08/24/2021	22:56:54.760	OUT106	Deasserted
809	08/24/2021	22:56:54.760	51P1	Deasserted
808	08/24/2021	22:56:54.770	OUT106	Asserted
807	08/24/2021	22:56:54.770	51P1	Asserted
806	08/24/2021	22:56:55.671	OUT106	Deasserted
805	08/24/2021	22:56:55.671	51P1	Deasserted
804	08/24/2021	22:56:55.731	OUT106	Asserted
803	08/24/2021	22:56:55.731	51P1	Asserted
802	08/24/2021	22:56:55.812	OUT106	Deasserted
801	08/24/2021	22:56:55.812	51P1	Deasserted
800	08/24/2021	22:56:55.822	OUT106	Asserted
799	08/24/2021	22:56:55.822	51P1	Asserted
798	08/24/2021	22:56:55.832	OUT106	Deasserted
797	08/24/2021	22:56:55.832	51P1	Deasserted
796	08/24/2021	22:56:57.474	OUT106	Asserted
795	08/24/2021	22:56:57.474	51P1	Asserted
794	08/24/2021	22:56:57.564	OUT106	Deasserted
793	08/24/2021	22:56:57.564	51P1	Deasserted
792	08/24/2021	22:56:57.594	OUT106	Asserted
791	08/24/2021	22:56:57.594	51P1	Asserted
790	08/24/2021	22:56:57.724	OUT106	Deasserted
789	08/24/2021	22:56:57.724	51P1	Deasserted
788	08/24/2021	22:56:57.824	OUT106	Asserted
787	08/24/2021	22:56:57.824	51P1	Asserted
786	08/24/2021	22:56:57.844	OUT106	Deasserted
785	08/24/2021	22:56:57.844	51P1	Deasserted
784	08/24/2021	22:56:58.285	OUT106	Asserted
783	08/24/2021	22:56:58.285	51P1	Asserted
782	08/24/2021	22:56:58.315	OUT106	Deasserted
781	08/24/2021	22:56:58.315	51P1	Deasserted
780	08/24/2021	22:56:58.335	OUT106	Asserted
779	08/24/2021	22:56:58.335	51P1	Asserted
778	08/24/2021	22:56:58.385	OUT106	Deasserted
777	08/24/2021	22:56:58.385	51P1	Deasserted
776	08/24/2021	22:56:58.455	OUT106	Asserted
775	08/24/2021	22:56:58.455	51P1	Asserted
774	08/24/2021	22:56:58.465	OUT106	Deasserted
773	08/24/2021	22:56:58.465	51P1	Deasserted
772	08/24/2021	22:56:58.495	OUT106	Asserted
771	08/24/2021	22:56:58.495	51P1	Asserted
770	08/24/2021	22:56:58.505	OUT106	Deasserted
769	08/24/2021	22:56:58.505	51P1	Deasserted
768	08/24/2021	22:56:58.846	OUT106	Asserted
767	08/24/2021	22:56:58.846	51P1	Asserted

#	Date	Time	Element	State
766	08/24/2021	22:56:58.916	OUT106	Deasserted
765	08/24/2021	22:56:58.916	51P1	Deasserted
764	08/24/2021	22:56:59.006	OUT106	Asserted
763	08/24/2021	22:56:59.006	51P1	Asserted
762	08/24/2021	22:56:59.066	OUT106	Deasserted
761	08/24/2021	22:56:59.066	51P1	Deasserted
760	08/24/2021	22:56:59.096	OUT106	Asserted
759	08/24/2021	22:56:59.096	51P1	Asserted
758	08/24/2021	22:56:59.126	OUT106	Deasserted
757	08/24/2021	22:56:59.126	51P1	Deasserted
756	08/24/2021	22:56:59.136	OUT106	Asserted
755	08/24/2021	22:56:59.136	51P1	Asserted
754	08/24/2021	22:56:59.146	OUT106	Deasserted
753	08/24/2021	22:56:59.146	51P1	Deasserted
752	08/24/2021	22:56:59.166	OUT106	Asserted
751	08/24/2021	22:56:59.166	51P1	Asserted
750	08/24/2021	22:56:59.246	OUT106	Deasserted
749	08/24/2021	22:56:59.246	51P1	Deasserted
748	08/24/2021	22:56:59.336	OUT106	Asserted
747	08/24/2021	22:56:59.336	51P1	Asserted
746	08/24/2021	22:56:59.446	OUT106	Deasserted
745	08/24/2021	22:56:59.446	51P1	Deasserted
744	08/24/2021	22:57:01.048	OUT106	Asserted
743	08/24/2021	22:57:01.048	51P1	Asserted
742	08/24/2021	22:57:01.058	OUT106	Deasserted
741	08/24/2021	22:57:01.058	51P1	Deasserted
740	08/24/2021	22:57:01.409	OUT106	Asserted
739	08/24/2021	22:57:01.409	51P1	Asserted
738	08/24/2021	22:57:01.419	OUT106	Deasserted
737	08/24/2021	22:57:01.419	51P1	Deasserted
736	08/24/2021	22:57:01.439	OUT106	Asserted
735	08/24/2021	22:57:01.439	51P1	Asserted
734	08/24/2021	22:57:01.459	OUT106	Deasserted
733	08/24/2021	22:57:01.459	51P1	Deasserted
732	08/24/2021	22:57:01.960	OUT106	Asserted
731	08/24/2021	22:57:01.960	51P1	Asserted
730	08/24/2021	22:57:02.000	OUT106	Deasserted
729	08/24/2021	22:57:02.000	51P1	Deasserted
728	08/24/2021	22:57:02.120	OUT106	Asserted
727	08/24/2021	22:57:02.120	51P1	Asserted
726	08/24/2021	22:57:02.140	OUT106	Deasserted
725	08/24/2021	22:57:02.140	51P1	Deasserted
724	08/24/2021	22:57:02.320	OUT106	Asserted
723	08/24/2021	22:57:02.320	51P1	Asserted
722	08/24/2021	22:57:02.340	OUT106	Deasserted
721	08/24/2021	22:57:02.340	51P1	Deasserted
720	08/24/2021	22:57:02.410	OUT106	Asserted
719	08/24/2021	22:57:02.410	51P1	Asserted

#	Date	Time	Element	State
718	08/24/2021	22:57:02.480	OUT106	Deasserted
717	08/24/2021	22:57:02.480	51P1	Deasserted
716	08/24/2021	22:57:02.821	OUT106	Asserted
715	08/24/2021	22:57:02.821	51P1	Asserted
714	08/24/2021	22:57:02.891	OUT106	Deasserted
713	08/24/2021	22:57:02.891	51P1	Deasserted
712	08/24/2021	22:57:02.941	OUT106	Asserted
711	08/24/2021	22:57:02.941	51P1	Asserted
710	08/24/2021	22:57:03.001	OUT106	Deasserted
709	08/24/2021	22:57:03.001	51P1	Deasserted
708	08/24/2021	22:57:03.081	OUT106	Asserted
707	08/24/2021	22:57:03.081	51P1	Asserted
706	08/24/2021	22:57:03.412	OUT106	Deasserted
705	08/24/2021	22:57:03.412	51P1	Deasserted
704	08/24/2021	22:57:03.432	OUT106	Asserted
703	08/24/2021	22:57:03.432	51P1	Asserted
702	08/24/2021	22:57:03.632	OUT106	Deasserted
701	08/24/2021	22:57:03.632	51P1	Deasserted
700	08/24/2021	22:57:03.652	OUT106	Asserted
699	08/24/2021	22:57:03.652	51P1	Asserted
698	08/24/2021	22:57:04.453	OUT106	Deasserted
697	08/24/2021	22:57:04.453	51P1	Deasserted
696	08/24/2021	22:57:04.463	OUT106	Asserted
695	08/24/2021	22:57:04.463	51P1	Asserted
694	08/24/2021	22:57:04.784	OUT106	Deasserted
693	08/24/2021	22:57:04.784	51P1	Deasserted
692	08/24/2021	22:57:04.794	OUT106	Asserted
691	08/24/2021	22:57:04.794	51P1	Asserted
690	08/24/2021	22:57:05.986	OUT106	Deasserted
689	08/24/2021	22:57:05.986	51P1	Deasserted
688	08/24/2021	22:57:05.996	OUT106	Asserted
687	08/24/2021	22:57:05.996	51P1	Asserted
686	08/24/2021	22:57:06.847	OUT106	Deasserted
685	08/24/2021	22:57:06.847	51P1	Deasserted
684	08/24/2021	22:57:06.937	OUT106	Asserted
683	08/24/2021	22:57:06.937	51P1	Asserted
682	08/24/2021	22:57:06.987	OUT106	Deasserted
681	08/24/2021	22:57:06.987	51P1	Deasserted
680	08/24/2021	22:57:06.997	OUT106	Asserted
679	08/24/2021	22:57:06.997	51P1	Asserted
678	08/24/2021	22:57:07.037	OUT106	Deasserted
677	08/24/2021	22:57:07.037	51P1	Deasserted
676	08/24/2021	22:57:07.047	OUT106	Asserted
675	08/24/2021	22:57:07.047	51P1	Asserted
674	08/24/2021	22:57:07.198	OUT106	Deasserted
673	08/24/2021	22:57:07.198	51P1	Deasserted
672	08/24/2021	22:57:07.218	OUT106	Asserted
671	08/24/2021	22:57:07.218	51P1	Asserted

#	Date	Time	Element	State
670	08/24/2021	22:57:07.528	OUT106	Deasserted
669	08/24/2021	22:57:07.528	51P1	Deasserted
668	08/24/2021	22:57:08.099	OUT106	Asserted
667	08/24/2021	22:57:08.099	51P1	Asserted
666	08/24/2021	22:57:08.119	OUT106	Deasserted
665	08/24/2021	22:57:08.119	51P1	Deasserted
664	08/24/2021	22:57:08.139	OUT106	Asserted
663	08/24/2021	22:57:08.139	51P1	Asserted
662	08/24/2021	22:57:08.219	OUT106	Deasserted
661	08/24/2021	22:57:08.219	51P1	Deasserted
660	08/24/2021	22:57:08.300	OUT106	Asserted
659	08/24/2021	22:57:08.300	51P1	Asserted
658	08/24/2021	22:57:08.410	OUT106	Deasserted
657	08/24/2021	22:57:08.410	51P1	Deasserted
656	08/24/2021	22:57:08.430	OUT106	Asserted
655	08/24/2021	22:57:08.430	51P1	Asserted
654	08/24/2021	22:57:08.530	OUT106	Deasserted
653	08/24/2021	22:57:08.530	51P1	Deasserted
652	08/24/2021	22:57:08.700	OUT106	Asserted
651	08/24/2021	22:57:08.700	51P1	Asserted
650	08/24/2021	22:57:08.720	OUT106	Deasserted
649	08/24/2021	22:57:08.720	51P1	Deasserted
648	08/24/2021	22:57:08.790	OUT106	Asserted
647	08/24/2021	22:57:08.790	51P1	Asserted
646	08/24/2021	22:57:08.891	OUT106	Deasserted
645	08/24/2021	22:57:08.891	51P1	Deasserted
644	08/24/2021	22:57:08.901	OUT106	Asserted
643	08/24/2021	22:57:08.901	51P1	Asserted
642	08/24/2021	22:57:08.931	OUT106	Deasserted
641	08/24/2021	22:57:08.931	51P1	Deasserted
640	08/24/2021	22:57:08.971	OUT106	Asserted
639	08/24/2021	22:57:08.971	51P1	Asserted
638	08/24/2021	22:57:09.081	OUT106	Deasserted
637	08/24/2021	22:57:09.081	51P1	Deasserted
636	08/24/2021	22:57:09.111	OUT106	Asserted
635	08/24/2021	22:57:09.111	51P1	Asserted
634	08/24/2021	22:57:23.911	OUT106	Deasserted
633	08/24/2021	22:57:23.911	51P1	Deasserted
632	08/24/2021	22:57:23.921	OUT106	Asserted
631	08/24/2021	22:57:23.921	51P1	Asserted
630	08/24/2021	22:57:24.051	OUT106	Deasserted
629	08/24/2021	22:57:24.051	51P1	Deasserted
628	08/24/2021	22:57:24.141	OUT106	Asserted
627	08/24/2021	22:57:24.141	51P1	Asserted
626	08/24/2021	22:57:24.191	OUT106	Deasserted
625	08/24/2021	22:57:24.191	51P1	Deasserted
624	08/24/2021	22:57:24.281	OUT106	Asserted
623	08/24/2021	22:57:24.281	51P1	Asserted

#	Date	Time	Element	State
622	08/24/2021	22:57:24.602	OUT106	Deasserted
621	08/24/2021	22:57:24.602	51P1	Deasserted
620	08/24/2021	22:57:24.632	OUT106	Asserted
619	08/24/2021	22:57:24.632	51P1	Asserted
618	08/24/2021	22:57:24.752	OUT106	Deasserted
617	08/24/2021	22:57:24.752	51P1	Deasserted
616	08/24/2021	22:57:24.782	OUT106	Asserted
615	08/24/2021	22:57:24.782	51P1	Asserted
614	08/24/2021	22:57:24.932	OUT106	Deasserted
613	08/24/2021	22:57:24.932	51P1	Deasserted
612	08/24/2021	22:57:24.942	OUT106	Asserted
611	08/24/2021	22:57:24.942	51P1	Asserted
610	08/24/2021	22:57:25.052	OUT106	Deasserted
609	08/24/2021	22:57:25.052	51P1	Deasserted
608	08/24/2021	22:57:25.232	OUT106	Asserted
607	08/24/2021	22:57:25.232	51P1	Asserted
606	08/24/2021	22:57:25.242	OUT106	Deasserted
605	08/24/2021	22:57:25.242	51P1	Deasserted
604	08/24/2021	22:57:25.292	OUT106	Asserted
603	08/24/2021	22:57:25.292	51P1	Asserted
602	08/24/2021	22:57:25.452	OUT106	Deasserted
601	08/24/2021	22:57:25.452	51P1	Deasserted
600	08/24/2021	22:57:25.482	OUT106	Asserted
599	08/24/2021	22:57:25.482	51P1	Asserted
598	08/24/2021	22:57:25.582	OUT106	Deasserted
597	08/24/2021	22:57:25.582	51P1	Deasserted
596	08/24/2021	22:57:25.833	OUT106	Asserted
595	08/24/2021	22:57:25.833	51P1	Asserted
594	08/24/2021	22:57:25.933	OUT106	Deasserted
593	08/24/2021	22:57:25.933	51P1	Deasserted
592	08/24/2021	22:57:26.023	OUT106	Asserted
591	08/24/2021	22:57:26.023	51P1	Asserted
590	08/24/2021	22:57:27.154	OUT106	Deasserted
589	08/24/2021	22:57:27.154	51P1	Deasserted
588	08/24/2021	22:57:27.174	OUT106	Asserted
587	08/24/2021	22:57:27.174	51P1	Asserted
586	08/24/2021	22:57:27.304	OUT106	Deasserted
585	08/24/2021	22:57:27.304	51P1	Deasserted
584	08/24/2021	22:57:27.374	OUT106	Asserted
583	08/24/2021	22:57:27.374	51P1	Asserted
582	08/24/2021	22:57:27.464	OUT106	Deasserted
581	08/24/2021	22:57:27.464	51P1	Deasserted
580	08/24/2021	22:57:27.524	OUT106	Asserted
579	08/24/2021	22:57:27.524	51P1	Asserted
578	08/24/2021	22:57:27.584	OUT106	Deasserted
577	08/24/2021	22:57:27.584	51P1	Deasserted
576	08/24/2021	22:57:27.805	OUT106	Asserted
575	08/24/2021	22:57:27.805	51P1	Asserted

#	Date	Time	Element	State
574	08/24/2021	22:57:27.825	OUT106	Deasserted
573	08/24/2021	22:57:27.825	51P1	Deasserted
572	08/24/2021	22:57:27.925	OUT106	Asserted
571	08/24/2021	22:57:27.925	51P1	Asserted
570	08/24/2021	22:57:28.025	OUT106	Deasserted
569	08/24/2021	22:57:28.025	51P1	Deasserted
568	08/24/2021	22:57:28.055	OUT106	Asserted
567	08/24/2021	22:57:28.055	51P1	Asserted
566	08/24/2021	22:57:28.085	OUT106	Deasserted
565	08/24/2021	22:57:28.085	51P1	Deasserted
564	08/24/2021	22:57:28.095	OUT106	Asserted
563	08/24/2021	22:57:28.095	51P1	Asserted
562	08/24/2021	22:57:28.375	OUT106	Deasserted
561	08/24/2021	22:57:28.375	51P1	Deasserted
560	08/24/2021	22:57:28.415	OUT106	Asserted
559	08/24/2021	22:57:28.415	51P1	Asserted
558	08/24/2021	22:57:28.435	OUT106	Deasserted
557	08/24/2021	22:57:28.435	51P1	Deasserted
556	08/24/2021	22:57:28.455	OUT106	Asserted
555	08/24/2021	22:57:28.455	51P1	Asserted
554	08/24/2021	22:57:28.465	OUT106	Deasserted
553	08/24/2021	22:57:28.465	51P1	Deasserted
552	08/24/2021	22:57:28.655	OUT106	Asserted
551	08/24/2021	22:57:28.655	51P1	Asserted
550	08/24/2021	22:57:28.685	OUT106	Deasserted
549	08/24/2021	22:57:28.685	51P1	Deasserted
548	08/24/2021	22:57:28.776	OUT106	Asserted
547	08/24/2021	22:57:28.776	51P1	Asserted
546	08/24/2021	22:57:28.886	OUT106	Deasserted
545	08/24/2021	22:57:28.886	51P1	Deasserted
544	08/24/2021	22:57:28.906	OUT106	Asserted
543	08/24/2021	22:57:28.906	51P1	Asserted
542	08/24/2021	22:57:29.226	OUT106	Deasserted
541	08/24/2021	22:57:29.226	51P1	Deasserted
540	08/24/2021	22:57:29.266	OUT106	Asserted
539	08/24/2021	22:57:29.266	51P1	Asserted
538	08/24/2021	22:57:29.296	OUT106	Deasserted
537	08/24/2021	22:57:29.296	51P1	Deasserted
536	08/24/2021	22:57:29.316	OUT106	Asserted
535	08/24/2021	22:57:29.316	51P1	Asserted
534	08/24/2021	22:57:29.576	OUT106	Deasserted
533	08/24/2021	22:57:29.576	51P1	Deasserted
532	08/24/2021	22:57:29.586	OUT106	Asserted
531	08/24/2021	22:57:29.586	51P1	Asserted
530	08/24/2021	22:57:29.917	OUT106	Deasserted
529	08/24/2021	22:57:29.917	51P1	Deasserted
528	08/24/2021	22:57:29.947	OUT106	Asserted
527	08/24/2021	22:57:29.947	51P1	Asserted

#	Date	Time	Element	State
526	08/24/2021	22:57:30.427	OUT106	Deasserted
525	08/24/2021	22:57:30.427	51P1	Deasserted
524	08/24/2021	22:57:30.467	OUT106	Asserted
523	08/24/2021	22:57:30.467	51P1	Asserted
522	08/24/2021	22:57:30.497	OUT106	Deasserted
521	08/24/2021	22:57:30.497	51P1	Deasserted
520	08/24/2021	22:57:30.527	OUT106	Asserted
519	08/24/2021	22:57:30.527	51P1	Asserted
518	08/24/2021	22:57:30.557	OUT106	Deasserted
517	08/24/2021	22:57:30.557	51P1	Deasserted
516	08/24/2021	22:57:30.657	OUT106	Asserted
515	08/24/2021	22:57:30.657	51P1	Asserted
514	08/24/2021	22:57:30.707	OUT106	Deasserted
513	08/24/2021	22:57:30.707	51P1	Deasserted
512	08/24/2021	22:57:31.218	OUT106	Asserted
511	08/24/2021	22:57:31.218	51P1	Asserted
510	08/24/2021	22:57:31.228	OUT106	Deasserted
509	08/24/2021	22:57:31.228	51P1	Deasserted
508	08/24/2021	22:57:31.398	OUT106	Asserted
507	08/24/2021	22:57:31.398	51P1	Asserted
506	08/24/2021	22:57:31.428	OUT106	Deasserted
505	08/24/2021	22:57:31.428	51P1	Deasserted
504	08/24/2021	22:57:31.478	OUT106	Asserted
503	08/24/2021	22:57:31.478	51P1	Asserted
502	08/24/2021	22:57:31.628	OUT106	Deasserted
501	08/24/2021	22:57:31.628	51P1	Deasserted
500	08/24/2021	22:57:31.668	OUT106	Asserted
499	08/24/2021	22:57:31.668	51P1	Asserted
498	08/24/2021	22:57:31.698	OUT106	Deasserted
497	08/24/2021	22:57:31.698	51P1	Deasserted
496	08/24/2021	22:57:31.738	OUT106	Asserted
495	08/24/2021	22:57:31.738	51P1	Asserted
494	08/24/2021	22:57:31.748	OUT106	Deasserted
493	08/24/2021	22:57:31.748	51P1	Deasserted
492	08/24/2021	22:57:31.888	OUT106	Asserted
491	08/24/2021	22:57:31.888	51P1	Asserted
490	08/24/2021	22:57:31.988	OUT106	Deasserted
489	08/24/2021	22:57:31.988	51P1	Deasserted
488	08/24/2021	22:57:32.019	OUT106	Asserted
487	08/24/2021	22:57:32.019	51P1	Asserted
486	08/24/2021	22:57:32.059	OUT106	Deasserted
485	08/24/2021	22:57:32.059	51P1	Deasserted
484	08/24/2021	22:57:32.069	OUT106	Asserted
483	08/24/2021	22:57:32.069	51P1	Asserted
482	08/24/2021	22:57:32.269	OUT106	Deasserted
481	08/24/2021	22:57:32.269	51P1	Deasserted
480	08/24/2021	22:57:32.389	OUT106	Asserted
479	08/24/2021	22:57:32.389	51P1	Asserted

#	Date	Time	Element	State
478	08/24/2021	22:57:32.479	OUT106	Deasserted
477	08/24/2021	22:57:32.479	51P1	Deasserted
476	08/24/2021	22:57:32.519	OUT106	Asserted
475	08/24/2021	22:57:32.519	51P1	Asserted
474	08/24/2021	22:57:32.639	OUT106	Deasserted
473	08/24/2021	22:57:32.639	51P1	Deasserted
472	08/24/2021	22:57:35.362	OUT106	Asserted
471	08/24/2021	22:57:35.362	51P1	Asserted
470	08/24/2021	22:57:35.392	OUT106	Deasserted
469	08/24/2021	22:57:35.392	51P1	Deasserted
468	08/24/2021	22:57:35.442	OUT106	Asserted
467	08/24/2021	22:57:35.442	51P1	Asserted
466	08/24/2021	22:57:35.482	OUT106	Deasserted
465	08/24/2021	22:57:35.482	51P1	Deasserted
464	08/24/2021	22:57:35.492	OUT106	Asserted
463	08/24/2021	22:57:35.492	51P1	Asserted
462	08/24/2021	22:57:35.592	OUT106	Deasserted
461	08/24/2021	22:57:35.592	51P1	Deasserted
460	08/24/2021	22:57:35.652	OUT106	Asserted
459	08/24/2021	22:57:35.652	51P1	Asserted
458	08/24/2021	22:57:35.662	OUT106	Deasserted
457	08/24/2021	22:57:35.662	51P1	Deasserted
456	08/24/2021	22:57:37.044	OUT106	Asserted
455	08/24/2021	22:57:37.044	51P1	Asserted
454	08/24/2021	22:57:37.074	OUT106	Deasserted
453	08/24/2021	22:57:37.074	51P1	Deasserted
452	08/24/2021	22:57:46.658	OUT106	Asserted
451	08/24/2021	22:57:46.658	51P1	Asserted
450	08/24/2021	22:57:46.778	OUT106	Deasserted
449	08/24/2021	22:57:46.778	51P1	Deasserted
448	08/24/2021	22:57:46.818	OUT106	Asserted
447	08/24/2021	22:57:46.818	51P1	Asserted
446	08/24/2021	22:57:46.968	OUT106	Deasserted
445	08/24/2021	22:57:46.968	51P1	Deasserted
444	08/24/2021	22:57:46.978	OUT106	Asserted
443	08/24/2021	22:57:46.978	51P1	Asserted
442	08/24/2021	22:58:18.101	OUT106	Deasserted
441	08/24/2021	22:58:18.101	51P1	Deasserted
440	08/24/2021	22:58:18.131	OUT106	Asserted
439	08/24/2021	22:58:18.131	51P1	Asserted
438	08/24/2021	22:58:18.191	OUT106	Deasserted
437	08/24/2021	22:58:18.191	51P1	Deasserted
436	08/24/2021	22:58:18.201	OUT106	Asserted
435	08/24/2021	22:58:18.201	51P1	Asserted
434	08/24/2021	22:58:18.441	OUT106	Deasserted
433	08/24/2021	22:58:18.441	51P1	Deasserted
432	08/24/2021	22:58:18.461	OUT106	Asserted
431	08/24/2021	22:58:18.461	51P1	Asserted

#	Date	Time	Element	State
430	08/24/2021	22:58:18.641	OUT106	Deasserted
429	08/24/2021	22:58:18.641	51P1	Deasserted
428	08/24/2021	22:58:18.651	OUT106	Asserted
427	08/24/2021	22:58:18.651	51P1	Asserted
426	08/24/2021	22:58:18.962	OUT106	Deasserted
425	08/24/2021	22:58:18.962	51P1	Deasserted
424	08/24/2021	22:58:18.982	OUT106	Asserted
423	08/24/2021	22:58:18.982	51P1	Asserted
422	08/24/2021	23:07:43.582	OUT106	Deasserted
421	08/24/2021	23:07:43.582	51P1	Deasserted
420	08/24/2021	23:07:43.602	OUT106	Asserted
419	08/24/2021	23:07:43.602	51P1	Asserted
418	08/24/2021	23:07:43.662	OUT106	Deasserted
417	08/24/2021	23:07:43.662	51P1	Deasserted
416	08/24/2021	23:07:43.682	OUT106	Asserted
415	08/24/2021	23:07:43.682	51P1	Asserted
414	08/24/2021	23:07:43.733	OUT106	Deasserted
413	08/24/2021	23:07:43.733	51P1	Deasserted
412	08/24/2021	23:07:43.793	OUT106	Asserted
411	08/24/2021	23:07:43.793	51P1	Asserted
410	08/24/2021	23:07:43.933	OUT106	Deasserted
409	08/24/2021	23:07:43.933	51P1	Deasserted
408	08/24/2021	23:07:43.953	OUT106	Asserted
407	08/24/2021	23:07:43.953	51P1	Asserted
406	08/24/2021	23:07:44.063	OUT106	Deasserted
405	08/24/2021	23:07:44.063	51P1	Deasserted
404	08/24/2021	23:07:44.183	OUT106	Asserted
403	08/24/2021	23:07:44.183	51P1	Asserted
402	08/24/2021	23:07:44.234	OUT106	Deasserted
401	08/24/2021	23:07:44.234	51P1	Deasserted
400	08/24/2021	23:07:44.294	OUT106	Asserted
399	08/24/2021	23:07:44.294	51P1	Asserted
398	08/24/2021	23:07:45.606	OUT106	Deasserted
397	08/24/2021	23:07:45.606	51P1	Deasserted
396	08/24/2021	23:07:45.967	OUT106	Asserted
395	08/24/2021	23:07:45.967	51P1	Asserted
394	08/24/2021	23:07:45.997	OUT106	Deasserted
393	08/24/2021	23:07:45.997	51P1	Deasserted
392	08/24/2021	23:07:46.027	OUT106	Asserted
391	08/24/2021	23:07:46.027	51P1	Asserted
390	08/24/2021	23:07:46.147	OUT106	Deasserted
389	08/24/2021	23:07:46.147	51P1	Deasserted
388	08/24/2021	23:07:46.177	OUT106	Asserted
387	08/24/2021	23:07:46.177	51P1	Asserted
386	08/24/2021	23:07:46.287	OUT106	Deasserted
385	08/24/2021	23:07:46.287	51P1	Deasserted
384	08/24/2021	23:07:46.297	OUT106	Asserted
383	08/24/2021	23:07:46.297	51P1	Asserted

#	Date	Time	Element	State
382	08/24/2021	23:07:46.318	OUT106	Deasserted
381	08/24/2021	23:07:46.318	51P1	Deasserted
380	08/24/2021	23:07:46.368	OUT106	Asserted
379	08/24/2021	23:07:46.368	51P1	Asserted
378	08/24/2021	23:07:46.488	OUT106	Deasserted
377	08/24/2021	23:07:46.488	51P1	Deasserted
376	08/24/2021	23:07:46.548	OUT106	Asserted
375	08/24/2021	23:07:46.548	51P1	Asserted
374	08/24/2021	23:07:46.568	OUT106	Deasserted
373	08/24/2021	23:07:46.568	51P1	Deasserted
372	08/24/2021	23:07:46.578	OUT106	Asserted
371	08/24/2021	23:07:46.578	51P1	Asserted
370	08/24/2021	23:07:46.678	OUT106	Deasserted
369	08/24/2021	23:07:46.678	51P1	Deasserted
368	08/24/2021	23:07:46.718	OUT106	Asserted
367	08/24/2021	23:07:46.718	51P1	Asserted
366	08/24/2021	23:07:46.818	OUT106	Deasserted
365	08/24/2021	23:07:46.818	51P1	Deasserted
364	08/24/2021	23:07:46.969	OUT106	Asserted
363	08/24/2021	23:07:46.969	51P1	Asserted
362	08/24/2021	23:07:46.999	OUT106	Deasserted
361	08/24/2021	23:07:46.999	51P1	Deasserted
360	08/24/2021	23:07:47.099	OUT106	Asserted
359	08/24/2021	23:07:47.099	51P1	Asserted
358	08/24/2021	23:07:47.119	OUT106	Deasserted
357	08/24/2021	23:07:47.119	51P1	Deasserted
356	08/24/2021	23:07:47.389	OUT106	Asserted
355	08/24/2021	23:07:47.389	51P1	Asserted
354	08/24/2021	23:07:47.490	OUT106	Deasserted
353	08/24/2021	23:07:47.490	51P1	Deasserted
352	08/24/2021	23:07:47.930	OUT106	Asserted
351	08/24/2021	23:07:47.930	51P1	Asserted
350	08/24/2021	23:07:48.051	OUT106	Deasserted
349	08/24/2021	23:07:48.051	51P1	Deasserted
348	08/24/2021	23:07:48.091	OUT106	Asserted
347	08/24/2021	23:07:48.091	51P1	Asserted
346	08/24/2021	23:07:48.101	OUT106	Deasserted
345	08/24/2021	23:07:48.101	51P1	Deasserted
344	08/24/2021	23:07:48.111	OUT106	Asserted
343	08/24/2021	23:07:48.111	51P1	Asserted
342	08/24/2021	23:07:48.151	OUT106	Deasserted
341	08/24/2021	23:07:48.151	51P1	Deasserted
340	08/24/2021	23:07:48.271	OUT106	Asserted
339	08/24/2021	23:07:48.271	51P1	Asserted
338	08/24/2021	23:07:48.291	OUT106	Deasserted
337	08/24/2021	23:07:48.291	51P1	Deasserted
336	08/24/2021	23:07:48.321	OUT106	Asserted
335	08/24/2021	23:07:48.321	51P1	Asserted

#	Date	Time	Element	State
334	08/24/2021	23:07:48.351	OUT106	Deasserted
333	08/24/2021	23:07:48.351	51P1	Deasserted
332	08/24/2021	23:07:48.672	OUT106	Asserted
331	08/24/2021	23:07:48.672	51P1	Asserted
330	08/24/2021	23:07:48.682	OUT106	Deasserted
329	08/24/2021	23:07:48.682	51P1	Deasserted
328	08/24/2021	23:07:48.802	OUT106	Asserted
327	08/24/2021	23:07:48.802	51P1	Asserted
326	08/24/2021	23:07:48.812	OUT106	Deasserted
325	08/24/2021	23:07:48.812	51P1	Deasserted
324	08/24/2021	23:07:49.133	OUT106	Asserted
323	08/24/2021	23:07:49.133	51P1	Asserted
322	08/24/2021	23:07:49.173	OUT106	Deasserted
321	08/24/2021	23:07:49.173	51P1	Deasserted
320	08/24/2021	23:07:49.213	OUT106	Asserted
319	08/24/2021	23:07:49.213	51P1	Asserted
318	08/24/2021	23:07:49.243	OUT106	Deasserted
317	08/24/2021	23:07:49.243	51P1	Deasserted
316	08/24/2021	23:07:49.253	OUT106	Asserted
315	08/24/2021	23:07:49.253	51P1	Asserted
314	08/24/2021	23:07:49.273	OUT106	Deasserted
313	08/24/2021	23:07:49.273	51P1	Deasserted
312	08/24/2021	23:07:49.313	OUT106	Asserted
311	08/24/2021	23:07:49.313	51P1	Asserted
310	08/24/2021	23:07:49.383	OUT106	Deasserted
309	08/24/2021	23:07:49.383	51P1	Deasserted
308	08/24/2021	23:07:49.463	OUT106	Asserted
307	08/24/2021	23:07:49.463	51P1	Asserted
306	08/24/2021	23:07:49.483	OUT106	Deasserted
305	08/24/2021	23:07:49.483	51P1	Deasserted
304	08/24/2021	23:07:49.523	OUT106	Asserted
303	08/24/2021	23:07:49.523	51P1	Asserted
302	08/24/2021	23:07:49.584	OUT106	Deasserted
301	08/24/2021	23:07:49.584	51P1	Deasserted
300	08/24/2021	23:07:49.664	OUT106	Asserted
299	08/24/2021	23:07:49.664	51P1	Asserted
298	08/24/2021	23:07:49.704	OUT106	Deasserted
297	08/24/2021	23:07:49.704	51P1	Deasserted
296	08/24/2021	23:07:49.734	OUT106	Asserted
295	08/24/2021	23:07:49.734	51P1	Asserted
294	08/24/2021	23:07:49.744	OUT106	Deasserted
293	08/24/2021	23:07:49.744	51P1	Deasserted
292	08/24/2021	23:07:49.814	OUT106	Asserted
291	08/24/2021	23:07:49.814	51P1	Asserted
290	08/24/2021	23:07:49.914	OUT106	Deasserted
289	08/24/2021	23:07:49.914	51P1	Deasserted
288	08/24/2021	23:07:49.944	OUT106	Asserted
287	08/24/2021	23:07:49.944	51P1	Asserted

#	Date	Time	Element	State
286	08/24/2021	23:07:50.095	OUT106	Deasserted
285	08/24/2021	23:07:50.095	51P1	Deasserted
284	08/24/2021	23:07:50.155	OUT106	Asserted
283	08/24/2021	23:07:50.155	51P1	Asserted
282	08/24/2021	23:07:50.175	OUT106	Deasserted
281	08/24/2021	23:07:50.175	51P1	Deasserted
280	08/24/2021	23:07:50.205	OUT106	Asserted
279	08/24/2021	23:07:50.205	51P1	Asserted
278	08/24/2021	23:07:50.215	OUT106	Deasserted
277	08/24/2021	23:07:50.215	51P1	Deasserted
276	08/24/2021	23:07:50.235	OUT106	Asserted
275	08/24/2021	23:07:50.235	51P1	Asserted
274	08/24/2021	23:07:50.295	OUT106	Deasserted
273	08/24/2021	23:07:50.295	51P1	Deasserted
272	08/24/2021	23:07:50.335	OUT106	Asserted
271	08/24/2021	23:07:50.335	51P1	Asserted
270	08/24/2021	23:07:50.385	OUT106	Deasserted
269	08/24/2021	23:07:50.385	51P1	Deasserted
268	08/24/2021	23:07:50.395	OUT106	Asserted
267	08/24/2021	23:07:50.395	51P1	Asserted
266	08/24/2021	23:07:50.626	OUT106	Deasserted
265	08/24/2021	23:07:50.626	51P1	Deasserted
264	08/24/2021	23:07:50.666	OUT106	Asserted
263	08/24/2021	23:07:50.666	51P1	Asserted
262	08/24/2021	23:07:50.786	OUT106	Deasserted
261	08/24/2021	23:07:50.786	51P1	Deasserted
260	08/24/2021	23:07:50.806	OUT106	Asserted
259	08/24/2021	23:07:50.806	51P1	Asserted
258	08/24/2021	23:07:51.167	OUT106	Deasserted
257	08/24/2021	23:07:51.167	51P1	Deasserted
256	08/24/2021	23:07:51.217	OUT106	Asserted
255	08/24/2021	23:07:51.217	51P1	Asserted
254	08/24/2021	23:07:51.307	OUT106	Deasserted
253	08/24/2021	23:07:51.307	51P1	Deasserted
252	08/24/2021	23:07:51.357	OUT106	Asserted
251	08/24/2021	23:07:51.357	51P1	Asserted
250	08/24/2021	23:07:51.658	OUT106	Deasserted
249	08/24/2021	23:07:51.658	51P1	Deasserted
248	08/24/2021	23:07:51.698	OUT106	Asserted
247	08/24/2021	23:07:51.698	51P1	Asserted
246	08/24/2021	23:07:51.718	OUT106	Deasserted
245	08/24/2021	23:07:51.718	51P1	Deasserted
244	08/24/2021	23:07:51.798	OUT106	Asserted
243	08/24/2021	23:07:51.798	51P1	Asserted
242	08/24/2021	23:07:51.838	OUT106	Deasserted
241	08/24/2021	23:07:51.838	51P1	Deasserted
240	08/24/2021	23:07:51.898	OUT106	Asserted
239	08/24/2021	23:07:51.898	51P1	Asserted

#	Date	Time	Element	State
238	08/24/2021	23:07:51.918	OUT106	Deasserted
237	08/24/2021	23:07:51.918	51P1	Deasserted
236	08/24/2021	23:07:53.652	OUT106	Asserted
235	08/24/2021	23:07:53.652	51P1	Asserted
234	08/24/2021	23:07:53.682	OUT106	Deasserted
233	08/24/2021	23:07:53.682	51P1	Deasserted
232	08/24/2021	23:07:53.773	OUT106	Asserted
231	08/24/2021	23:07:53.773	51P1	Asserted
230	08/24/2021	23:07:53.903	OUT106	Deasserted
229	08/24/2021	23:07:53.903	51P1	Deasserted
228	08/24/2021	23:07:54.705	OUT106	Asserted
227	08/24/2021	23:07:54.705	51P1	Asserted
226	08/24/2021	23:07:54.735	OUT106	Deasserted
225	08/24/2021	23:07:54.735	51P1	Deasserted
224	08/24/2021	23:07:55.186	OUT106	Asserted
223	08/24/2021	23:07:55.186	51P1	Asserted
222	08/24/2021	23:07:55.206	OUT106	Deasserted
221	08/24/2021	23:07:55.206	51P1	Deasserted
220	08/24/2021	23:07:55.397	OUT106	Asserted
219	08/24/2021	23:07:55.397	51P1	Asserted
218	08/24/2021	23:07:55.407	OUT106	Deasserted
217	08/24/2021	23:07:55.407	51P1	Deasserted
216	08/24/2021	23:07:55.517	OUT106	Asserted
215	08/24/2021	23:07:55.517	51P1	Asserted
214	08/24/2021	23:07:55.527	OUT106	Deasserted
213	08/24/2021	23:07:55.527	51P1	Deasserted
212	08/24/2021	23:07:55.707	OUT106	Asserted
211	08/24/2021	23:07:55.707	51P1	Asserted
210	08/24/2021	23:07:55.738	OUT106	Deasserted
209	08/24/2021	23:07:55.738	51P1	Deasserted
208	08/24/2021	23:07:56.058	OUT106	Asserted
207	08/24/2021	23:07:56.058	51P1	Asserted
206	08/24/2021	23:07:56.088	OUT106	Deasserted
205	08/24/2021	23:07:56.088	51P1	Deasserted
204	08/24/2021	23:07:56.119	OUT106	Asserted
203	08/24/2021	23:07:56.119	51P1	Asserted
202	08/24/2021	23:07:56.199	OUT106	Deasserted
201	08/24/2021	23:07:56.199	51P1	Deasserted
200	08/24/2021	23:07:56.259	OUT106	Asserted
199	08/24/2021	23:07:56.259	51P1	Asserted
198	08/24/2021	23:07:56.279	OUT106	Deasserted
197	08/24/2021	23:07:56.279	51P1	Deasserted
196	08/24/2021	23:07:56.409	OUT106	Asserted
195	08/24/2021	23:07:56.409	51P1	Asserted
194	08/24/2021	23:07:56.439	OUT106	Deasserted
193	08/24/2021	23:07:56.439	51P1	Deasserted
192	08/24/2021	23:07:57.141	OUT106	Asserted
191	08/24/2021	23:07:57.141	51P1	Asserted

#	Date	Time	Element	State
190	08/24/2021	23:07:57.272	OUT106	Deasserted
189	08/24/2021	23:07:57.272	51P1	Deasserted
188	08/24/2021	23:07:57.622	OUT106	Asserted
187	08/24/2021	23:07:57.622	51P1	Asserted
186	08/24/2021	23:07:57.643	OUT106	Deasserted
185	08/24/2021	23:07:57.643	51P1	Deasserted
184	08/24/2021	23:07:59.668	OUT106	Asserted
183	08/24/2021	23:07:59.668	51P1	Asserted
182	08/24/2021	23:07:59.678	OUT106	Deasserted
181	08/24/2021	23:07:59.678	51P1	Deasserted
180	08/24/2021	23:08:07.824	OUT106	Asserted
179	08/24/2021	23:08:07.824	51P1	Asserted
178	08/24/2021	23:08:07.935	OUT106	Deasserted
177	08/24/2021	23:08:07.935	51P1	Deasserted
176	08/24/2021	23:08:07.945	OUT106	Asserted
175	08/24/2021	23:08:07.945	51P1	Asserted
174	08/24/2021	23:08:07.985	OUT106	Deasserted
173	08/24/2021	23:08:07.985	51P1	Deasserted
172	08/24/2021	23:08:08.125	OUT106	Asserted
171	08/24/2021	23:08:08.125	51P1	Asserted
170	08/24/2021	23:08:08.175	OUT106	Deasserted
169	08/24/2021	23:08:08.175	51P1	Deasserted
168	08/24/2021	23:08:08.976	OUT106	Asserted
167	08/24/2021	23:08:08.976	51P1	Asserted
166	08/24/2021	23:08:09.036	OUT106	Deasserted
165	08/24/2021	23:08:09.036	51P1	Deasserted
164	08/24/2021	23:08:09.097	OUT106	Asserted
163	08/24/2021	23:08:09.097	51P1	Asserted
162	08/24/2021	23:08:09.117	OUT106	Deasserted
161	08/24/2021	23:08:09.117	51P1	Deasserted
160	08/24/2021	23:08:09.157	OUT106	Asserted
159	08/24/2021	23:08:09.157	51P1	Asserted
158	08/24/2021	23:08:09.237	OUT106	Deasserted
157	08/24/2021	23:08:09.237	51P1	Deasserted
156	08/24/2021	23:08:09.297	OUT106	Asserted
155	08/24/2021	23:08:09.297	51P1	Asserted
154	08/24/2021	23:08:09.327	OUT106	Deasserted
153	08/24/2021	23:08:09.327	51P1	Deasserted
152	08/24/2021	23:08:09.357	OUT106	Asserted
151	08/24/2021	23:08:09.357	51P1	Asserted
150	08/24/2021	23:08:09.397	OUT106	Deasserted
149	08/24/2021	23:08:09.397	51P1	Deasserted
148	08/24/2021	23:08:09.497	OUT106	Asserted
147	08/24/2021	23:08:09.497	51P1	Asserted
146	08/24/2021	23:08:09.537	OUT106	Deasserted
145	08/24/2021	23:08:09.537	51P1	Deasserted
144	08/24/2021	23:08:09.627	OUT106	Asserted
143	08/24/2021	23:08:09.627	51P1	Asserted

#	Date	Time	Element	State
142	08/24/2021	23:08:09.678	OUT106	Deasserted
141	08/24/2021	23:08:09.678	51P1	Deasserted
140	08/24/2021	23:08:09.698	OUT106	Asserted
139	08/24/2021	23:08:09.698	51P1	Asserted
138	08/24/2021	23:08:09.718	OUT106	Deasserted
137	08/24/2021	23:08:09.718	51P1	Deasserted
136	08/24/2021	23:08:09.818	OUT106	Asserted
135	08/24/2021	23:08:09.818	51P1	Asserted
134	08/24/2021	23:08:09.878	OUT106	Deasserted
133	08/24/2021	23:08:09.878	51P1	Deasserted
132	08/24/2021	23:08:09.898	OUT106	Asserted
131	08/24/2021	23:08:09.898	51P1	Asserted
130	08/24/2021	23:08:09.918	OUT106	Deasserted
129	08/24/2021	23:08:09.918	51P1	Deasserted
128	08/24/2021	23:08:09.978	OUT106	Asserted
127	08/24/2021	23:08:09.978	51P1	Asserted
126	08/24/2021	23:08:10.008	OUT106	Deasserted
125	08/24/2021	23:08:10.008	51P1	Deasserted
124	08/24/2021	23:08:10.028	OUT106	Asserted
123	08/24/2021	23:08:10.028	51P1	Asserted
122	08/24/2021	23:08:10.038	OUT106	Deasserted
121	08/24/2021	23:08:10.038	51P1	Deasserted
120	08/24/2021	23:08:10.509	OUT106	Asserted
119	08/24/2021	23:08:10.509	51P1	Asserted
118	08/24/2021	23:08:10.589	OUT106	Deasserted
117	08/24/2021	23:08:10.589	51P1	Deasserted
116	08/24/2021	23:08:10.809	OUT106	Asserted
115	08/24/2021	23:08:10.809	51P1	Asserted
114	08/24/2021	23:08:11.120	OUT106	Deasserted
113	08/24/2021	23:08:11.120	51P1	Deasserted
112	08/24/2021	23:08:11.220	OUT106	Asserted
111	08/24/2021	23:08:11.220	51P1	Asserted
110	08/24/2021	23:08:11.310	OUT106	Deasserted
109	08/24/2021	23:08:11.310	51P1	Deasserted
108	08/24/2021	23:08:11.320	OUT106	Asserted
107	08/24/2021	23:08:11.320	51P1	Asserted
106	08/24/2021	23:08:11.481	OUT106	Deasserted
105	08/24/2021	23:08:11.481	51P1	Deasserted
104	08/24/2021	23:08:11.511	OUT106	Asserted
103	08/24/2021	23:08:11.511	51P1	Asserted
102	08/24/2021	23:08:11.551	OUT106	Deasserted
101	08/24/2021	23:08:11.551	51P1	Deasserted
100	08/24/2021	23:08:11.561	OUT106	Asserted
99	08/24/2021	23:08:11.561	51P1	Asserted
98	08/24/2021	23:08:11.631	OUT106	Deasserted
97	08/24/2021	23:08:11.631	51P1	Deasserted
96	08/24/2021	23:08:11.701	OUT106	Asserted
95	08/24/2021	23:08:11.701	51P1	Asserted

#	Date	Time	Element	State
94	08/24/2021	23:08:11.821	OUT106	Deasserted
93	08/24/2021	23:08:11.821	51P1	Deasserted
92	08/24/2021	23:08:11.851	OUT106	Asserted
91	08/24/2021	23:08:11.851	51P1	Asserted
90	08/24/2021	23:08:12.172	OUT106	Deasserted
89	08/24/2021	23:08:12.172	51P1	Deasserted
88	08/24/2021	23:08:12.182	OUT106	Asserted
87	08/24/2021	23:08:12.182	51P1	Asserted
86	08/24/2021	23:08:12.492	OUT106	Deasserted
85	08/24/2021	23:08:12.492	51P1	Deasserted
84	08/24/2021	23:08:12.502	OUT106	Asserted
83	08/24/2021	23:08:12.502	51P1	Asserted
82	08/24/2021	23:08:13.033	OUT106	Deasserted
81	08/24/2021	23:08:13.033	51P1	Deasserted
80	08/24/2021	23:08:13.043	OUT106	Asserted
79	08/24/2021	23:08:13.043	51P1	Asserted
78	08/24/2021	23:08:14.576	OUT106	Deasserted
77	08/24/2021	23:08:14.576	51P1	Deasserted
76	08/24/2021	23:08:14.596	OUT106	Asserted
75	08/24/2021	23:08:14.596	51P1	Asserted
74	08/24/2021	23:08:14.766	OUT106	Deasserted
73	08/24/2021	23:08:14.766	51P1	Deasserted
72	08/24/2021	23:08:14.776	OUT106	Asserted
71	08/24/2021	23:08:14.776	51P1	Asserted
70	08/24/2021	23:08:16.128	OUT106	Deasserted
69	08/24/2021	23:08:16.128	51P1	Deasserted
68	08/24/2021	23:08:16.148	OUT106	Asserted
67	08/24/2021	23:08:16.148	51P1	Asserted
66	08/24/2021	23:08:16.259	OUT106	Deasserted
65	08/24/2021	23:08:16.259	51P1	Deasserted
64	08/24/2021	23:08:16.269	OUT106	Asserted
63	08/24/2021	23:08:16.269	51P1	Asserted
62	08/24/2021	23:08:16.299	OUT106	Deasserted
61	08/24/2021	23:08:16.299	51P1	Deasserted
60	08/24/2021	23:08:16.349	OUT106	Asserted
59	08/24/2021	23:08:16.349	51P1	Asserted
58	08/24/2021	23:08:16.379	OUT106	Deasserted
57	08/24/2021	23:08:16.379	51P1	Deasserted
56	08/24/2021	23:08:16.399	OUT106	Asserted
55	08/24/2021	23:08:16.399	51P1	Asserted
54	08/24/2021	23:08:16.459	OUT106	Deasserted
53	08/24/2021	23:08:16.459	51P1	Deasserted
52	08/24/2021	23:08:16.519	OUT106	Asserted
51	08/24/2021	23:08:16.519	51P1	Asserted
50	08/24/2021	23:08:16.529	OUT106	Deasserted
49	08/24/2021	23:08:16.529	51P1	Deasserted
48	08/24/2021	23:08:16.549	OUT106	Asserted
47	08/24/2021	23:08:16.549	51P1	Asserted

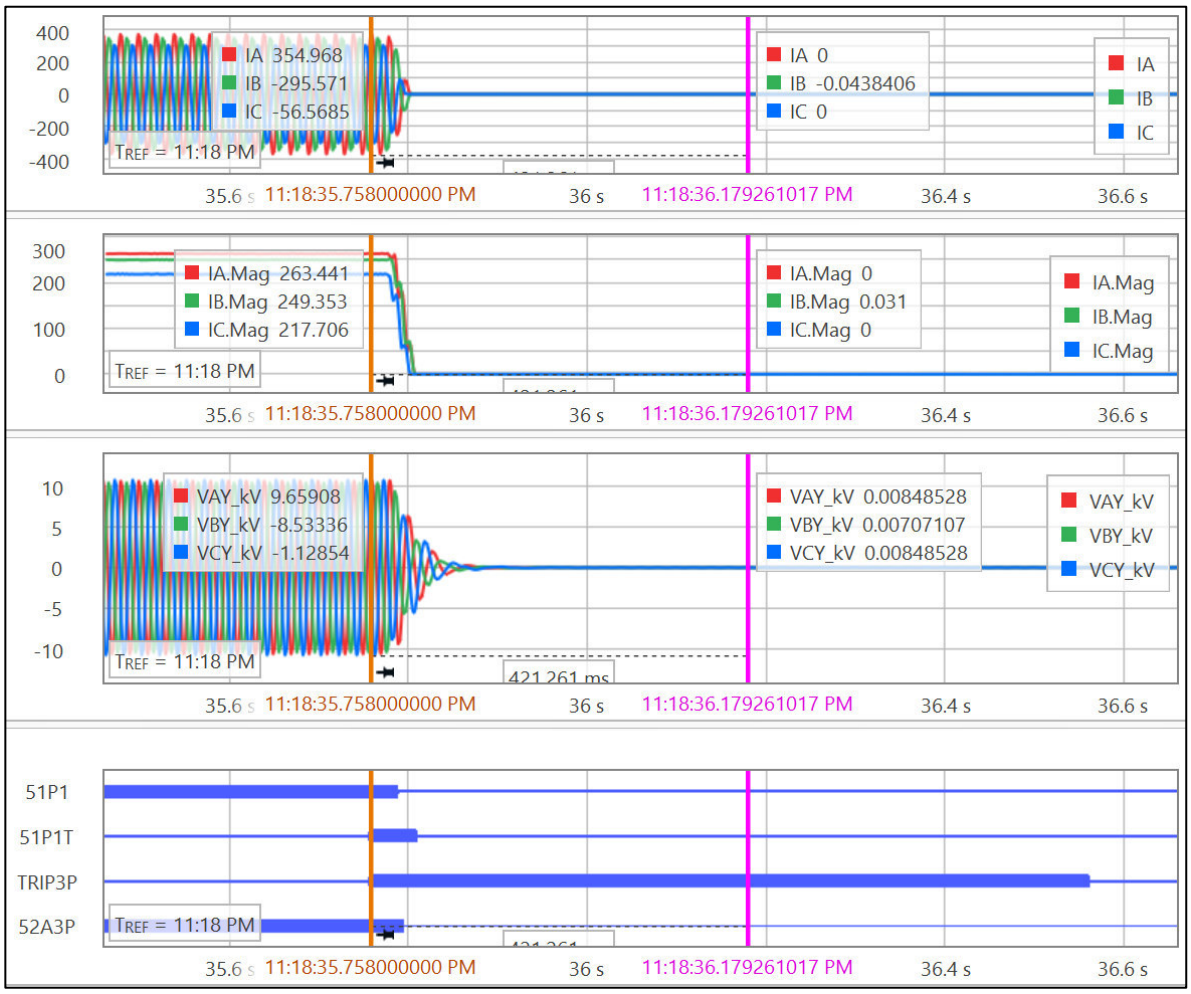
#	Date	Time	Element	State
46	08/24/2021	23:08:16.990	OUT106	Deasserted
45	08/24/2021	23:08:16.990	51P1	Deasserted
44	08/24/2021	23:08:17.020	OUT106	Asserted
43	08/24/2021	23:08:17.020	51P1	Asserted
42	08/24/2021	23:08:17.511	OUT106	Deasserted
41	08/24/2021	23:08:17.511	51P1	Deasserted
40	08/24/2021	23:08:17.541	OUT106	Asserted
39	08/24/2021	23:08:17.541	51P1	Asserted
38	08/24/2021	23:08:17.671	OUT106	Deasserted
37	08/24/2021	23:08:17.671	51P1	Deasserted
36	08/24/2021	23:08:17.691	OUT106	Asserted
35	08/24/2021	23:08:17.691	51P1	Asserted
34	08/24/2021	23:08:20.166	OUT106	Deasserted
33	08/24/2021	23:08:20.166	51P1	Deasserted
32	08/24/2021	23:08:20.176	OUT106	Asserted
31	08/24/2021	23:08:20.176	51P1	Asserted
30	08/24/2021	23:08:20.206	OUT106	Deasserted
29	08/24/2021	23:08:20.206	51P1	Deasserted
28	08/24/2021	23:08:20.306	OUT106	Asserted
27	08/24/2021	23:08:20.306	51P1	Asserted
26	08/24/2021	23:18:35.758	TRIP3P	Asserted
25	08/24/2021	23:18:35.758	OUT105	Asserted
24	08/24/2021	23:18:35.758	51P1T	Asserted
23	08/24/2021	23:18:35.778	PINC	Deasserted
22	08/24/2021	23:18:35.788	OUT106	Deasserted
21	08/24/2021	23:18:35.788	51P1	Deasserted
20	08/24/2021	23:18:35.793	52A3P	Deasserted
19	08/24/2021	23:18:35.793	SV30	Asserted
18	08/24/2021	23:18:35.808	OUT105	Deasserted
17	08/24/2021	23:18:35.808	51P1T	Deasserted
16	08/24/2021	23:18:36.560	TRIP3P	Deasserted
15	08/24/2021	23:29:58.682	IN102	Asserted
14	08/24/2021	23:29:58.687	CLOSE3P	Asserted
13	08/24/2021	23:29:58.737	PINC	Asserted
12	08/24/2021	23:29:58.737	CLOSE3P	Deasserted
11	08/24/2021	23:29:58.742	52A3P	Asserted

Oscilografía N°1 – Unidad de control 52CT2

1

FRUTILLAR - 52CT2
Time: 8/24/2021 11:08:20.181000 PM
File: 1246908_24_2021 23_08_20_181 ABC.CEV
FID=SEL-651RA-R101-V0-Z001001-D20160212
Event: ABC
Frequency: 49.9 Hz Sample Rate: 32 Samples/Cycle
Targets: 10 100000000000 000100111000
Currents: IA:261 IB:249 IC:220 IG:1 3I2:70

Oscilografía N°1 – Unidad de control 52CT2.



1

FRUTILLAR - 52CT2
Time: 8/24/2021 11:18:35.758000 PM
File: 1247008_24_2021 23_18_35_758 ABC T.CEV
FID=SEL-651RA-R101-V0-Z001001-D20160212
Event: ABC T
Frequency: 49.88 Hz Sample Rate: 32 Samples/Cycle
Targets: 11 101110010000 000000000000
Currents: IA:263 IB:249 IC:218 IG:2 3I2:76

De acuerdo con registro evento N°1 y oscilografías N°1 y N°2, en unidad de control y protección 52CT2, SEL-651RA de S/E Frutillar, a partir de las 22:56:31.440 UTC-0 de fecha martes 24 de agosto de 2021, relé incursiona en forma intermitente en pick up de elemento de sobrecorriente de fase de tiempo inverso, 51P1, cuyo ajuste de pick up corresponde a 260 [A], para incursionar de forma definitiva a las 23:08:20.306 UTC-0, numeral 27, con una corriente en fase A de 260.43 [A]. Luego, 15.45 segundos después, se produce disparo de elemento sobrecorriente de fase de tiempo inverso 51P1T, numeral 24, con una corriente fase A de 263.44 [A], junto con TRIP del relé de protección, y envío de orden de desenganche sobre interruptor de paño 52CT2, 35 milisegundo después, relé registra apertura efectiva de 52CT2 a través de la desactivación de elemento digital 52A3P.

Otros antecedentes.

- Ajustes elemento sobrecorriente de fase 51P1.
  PU: 260 [A]; Curva: C2; TD: 0.68

Acciones correctivas.

- El día 26 de agosto de 2021, bajo PT N° 2021-1374 y SODI NEOMANTE N° 2021074692, se aumentan los pick up de elementos de sobrecorriente de fase de tiempo inverso de:
  - Unidad de control y protección 52ET2 SEL-351S.
  - Relé protección 87-T2 SEL-787.
  - Unidad de control 52CT2 SEL-651RA.

  Las modificaciones propuestas se desprenden del ECAP “ESTUDIO DE MODIFICACION DE AJUSTE EN SE FRUTILLAR T2 23-13,2”

Conclusiones**.**

- Unidad de control y protección 52CT2 de S/E Frutillar opera en su elemento sobrecorriente de fase de tiempo inverso 52P1T, debido al aumento de la carga en fase A de paño CT2.
- Elemento sobrecorriente de fase de tiempo inverso opera en correctamente.
- Unidad de control y protección 52CT2 de S/E Frutillar opera en 15.45 segundos.
- Interruptor 52CT2 opera en 35 milisegundos.
- Unidad de control y protección 52CT2 de S/E Frutillar opera correctamente.
- Con las modificaciones ejecutadas en 52ET2, 87T2 y 52CT2, se asegura que el evento de operación de 52CT2 por sobrecarga no vuelva a ocurrir.

10. Medidas a corto plazo.

El día 26 de agosto de 2021, bajo solicitud de curso forzoso N° 2021074692 ingresada en plataforma Neomante, se realizan aumentos en los pick up de los elementos de sobrecorriente de fase de tiempo inverso de la unidad de control y protección 52ET2 SEL-351S, Relé protección 87-T2 SEL-787 y Unidad de control 52CT2 SEL-651RA.
Dichas modificaciones, se adjuntan en Anexo 1 “ECAP “ESTUDIO DE MODIFICACION DE AJUSTE EN SE FRUTILLAR T2 23-13,2”.

HIS

52CT2 Date: 08/25/2021 Time: 00:02:38.933
FRUTILLAR Time Source: external

#	DATE	TIME	EVENT	LOCAT	CURR	FREQ	GST	TARGETS	
							RHR	COLUMN 1	COLUMN 2
1	08/24/2021	23:32:42.932	AB	$$$$$	311	49.9	1 0	100000000000	000000111000
2	08/24/2021	23:32:05.309	ABC	$$$$$	624	50.0	1 0	100000000000	000000111000
3	08/24/2021	23:18:35.758	ABC T	$$$$$	263	49.9	1 1	101110010000	000000000000
4	08/24/2021	23:08:20.181	ABC	$$$$$	261	49.9	1 0	100000000000	000100111000
5	08/24/2021	23:08:16.274	ABC	$$$$$	261	49.9	1 0	100000000000	000100111000
6	08/24/2021	23:08:12.507	ABC	$$$$$	261	49.9	1 0	100000000000	000100111000
7	08/24/2021	23:08:11.225	ABC	$$$$$	260	49.9	1 0	100000000000	000100111000
8	08/24/2021	23:08:09.983	ABC	$$$$$	260	49.9	1 0	100000000000	000100111000
9	08/24/2021	23:08:08.981	ABC	$$$$$	260	49.9	1 0	100000000000	000100111000
10	08/24/2021	23:08:07.829	ABC	$$$$$	261	49.9	1 0	100000000000	000100111000
11	08/24/2021	23:07:59.673	ER	$$$$$	259	49.9	1 0	100000000000	000100111000
12	08/24/2021	23:07:57.146	ABC	$$$$$	261	49.9	1 0	100000000000	000100111000
13	08/24/2021	23:07:56.063	ABC	$$$$$	260	49.9	1 0	100000000000	000100111000
14	08/24/2021	23:07:54.710	ABC	$$$$$	260	49.9	1 0	100000000000	000100111000
15	08/24/2021	23:07:53.657	ABC	$$$$$	260	49.9	1 0	100000000000	000100111000

=>SER 1000

52CT2 Date: 08/25/2021 Time: 00:02:46.210
FRUTILLAR Time Source: external

FID=SEL-651RA-R101-V0-Z001001-D20160212 CID=6A2B

#	Date	Time	Element	State
1000	08/24/2021	22:56:31.440	OUT106	Asserted
999	08/24/2021	22:56:31.440	51P1	Asserted
998	08/24/2021	22:56:31.540	OUT106	Deasserted
997	08/24/2021	22:56:31.540	51P1	Deasserted
996	08/24/2021	22:56:31.610	OUT106	Asserted
995	08/24/2021	22:56:31.610	51P1	Asserted
994	08/24/2021	22:56:31.711	OUT106	Deasserted
993	08/24/2021	22:56:31.711	51P1	Deasserted
992	08/24/2021	22:56:31.751	OUT106	Asserted
991	08/24/2021	22:56:31.751	51P1	Asserted
990	08/24/2021	22:56:31.931	OUT106	Deasserted
989	08/24/2021	22:56:31.931	51P1	Deasserted
988	08/24/2021	22:56:31.951	OUT106	Asserted
987	08/24/2021	22:56:31.951	51P1	Asserted
986	08/24/2021	22:56:32.031	OUT106	Deasserted
985	08/24/2021	22:56:32.031	51P1	Deasserted
984	08/24/2021	22:56:32.161	OUT106	Asserted
983	08/24/2021	22:56:32.161	51P1	Asserted

982	08/24/2021	22:56:32.271	OUT106	Deasserted
981	08/24/2021	22:56:32.271	51P1	Deasserted
980	08/24/2021	22:56:32.291	OUT106	Asserted
979	08/24/2021	22:56:32.291	51P1	Asserted
978	08/24/2021	22:56:32.351	OUT106	Deasserted
977	08/24/2021	22:56:32.351	51P1	Deasserted
976	08/24/2021	22:56:32.371	OUT106	Asserted
975	08/24/2021	22:56:32.371	51P1	Asserted
974	08/24/2021	22:56:32.381	OUT106	Deasserted
973	08/24/2021	22:56:32.381	51P1	Deasserted
972	08/24/2021	22:56:33.902	OUT106	Asserted
971	08/24/2021	22:56:33.902	51P1	Asserted
970	08/24/2021	22:56:33.932	OUT106	Deasserted
969	08/24/2021	22:56:33.932	51P1	Deasserted
968	08/24/2021	22:56:33.942	OUT106	Asserted
967	08/24/2021	22:56:33.942	51P1	Asserted
966	08/24/2021	22:56:33.982	OUT106	Deasserted
965	08/24/2021	22:56:33.982	51P1	Deasserted
964	08/24/2021	22:56:34.032	OUT106	Asserted
963	08/24/2021	22:56:34.032	51P1	Asserted
962	08/24/2021	22:56:34.142	OUT106	Deasserted
961	08/24/2021	22:56:34.142	51P1	Deasserted
960	08/24/2021	22:56:34.172	OUT106	Asserted
959	08/24/2021	22:56:34.172	51P1	Asserted
958	08/24/2021	22:56:34.332	OUT106	Deasserted
957	08/24/2021	22:56:34.332	51P1	Deasserted
956	08/24/2021	22:56:34.382	OUT106	Asserted
955	08/24/2021	22:56:34.382	51P1	Asserted
954	08/24/2021	22:56:34.492	OUT106	Deasserted
953	08/24/2021	22:56:34.492	51P1	Deasserted
952	08/24/2021	22:56:34.562	OUT106	Asserted
951	08/24/2021	22:56:34.562	51P1	Asserted
950	08/24/2021	22:56:34.632	OUT106	Deasserted
949	08/24/2021	22:56:34.632	51P1	Deasserted
948	08/24/2021	22:56:34.712	OUT106	Asserted
947	08/24/2021	22:56:34.712	51P1	Asserted
946	08/24/2021	22:56:34.812	OUT106	Deasserted
945	08/24/2021	22:56:34.812	51P1	Deasserted
944	08/24/2021	22:56:34.872	OUT106	Asserted
943	08/24/2021	22:56:34.872	51P1	Asserted
942	08/24/2021	22:56:34.892	OUT106	Deasserted
941	08/24/2021	22:56:34.892	51P1	Deasserted
940	08/24/2021	22:56:34.912	OUT106	Asserted
939	08/24/2021	22:56:34.912	51P1	Asserted
938	08/24/2021	22:56:34.922	OUT106	Deasserted
937	08/24/2021	22:56:34.922	51P1	Deasserted
936	08/24/2021	22:56:34.932	OUT106	Asserted
935	08/24/2021	22:56:34.932	51P1	Asserted
934	08/24/2021	22:56:35.002	OUT106	Deasserted
933	08/24/2021	22:56:35.002	51P1	Deasserted

932	08/24/2021	22:56:35.072	OUT106	Asserted
931	08/24/2021	22:56:35.072	51P1	Asserted
930	08/24/2021	22:56:35.212	OUT106	Deasserted
929	08/24/2021	22:56:35.212	51P1	Deasserted
928	08/24/2021	22:56:35.242	OUT106	Asserted
927	08/24/2021	22:56:35.242	51P1	Asserted
926	08/24/2021	22:56:35.352	OUT106	Deasserted
925	08/24/2021	22:56:35.352	51P1	Deasserted
924	08/24/2021	22:56:35.392	OUT106	Asserted
923	08/24/2021	22:56:35.392	51P1	Asserted
922	08/24/2021	22:56:35.422	OUT106	Deasserted
921	08/24/2021	22:56:35.422	51P1	Deasserted
920	08/24/2021	22:56:35.632	OUT106	Asserted
919	08/24/2021	22:56:35.632	51P1	Asserted
918	08/24/2021	22:56:35.692	OUT106	Deasserted
917	08/24/2021	22:56:35.692	51P1	Deasserted
916	08/24/2021	22:56:35.722	OUT106	Asserted
915	08/24/2021	22:56:35.722	51P1	Asserted
914	08/24/2021	22:56:35.862	OUT106	Deasserted
913	08/24/2021	22:56:35.862	51P1	Deasserted
912	08/24/2021	22:56:35.932	OUT106	Asserted
911	08/24/2021	22:56:35.932	51P1	Asserted
910	08/24/2021	22:56:35.942	OUT106	Deasserted
909	08/24/2021	22:56:35.942	51P1	Deasserted
908	08/24/2021	22:56:35.982	OUT106	Asserted
907	08/24/2021	22:56:35.982	51P1	Asserted
906	08/24/2021	22:56:36.042	OUT106	Deasserted
905	08/24/2021	22:56:36.042	51P1	Deasserted
904	08/24/2021	22:56:36.072	OUT106	Asserted
903	08/24/2021	22:56:36.072	51P1	Asserted
902	08/24/2021	22:56:36.752	OUT106	Deasserted
901	08/24/2021	22:56:36.752	51P1	Deasserted
900	08/24/2021	22:56:36.772	OUT106	Asserted
899	08/24/2021	22:56:36.772	51P1	Asserted
898	08/24/2021	22:56:37.762	OUT106	Deasserted
897	08/24/2021	22:56:37.762	51P1	Deasserted
896	08/24/2021	22:56:37.802	OUT106	Asserted
895	08/24/2021	22:56:37.802	51P1	Asserted
894	08/24/2021	22:56:37.852	OUT106	Deasserted
893	08/24/2021	22:56:37.852	51P1	Deasserted
892	08/24/2021	22:56:37.872	OUT106	Asserted
891	08/24/2021	22:56:37.872	51P1	Asserted
890	08/24/2021	22:56:37.882	OUT106	Deasserted
889	08/24/2021	22:56:37.882	51P1	Deasserted
888	08/24/2021	22:56:37.942	OUT106	Asserted
887	08/24/2021	22:56:37.942	51P1	Asserted
886	08/24/2021	22:56:37.962	OUT106	Deasserted
885	08/24/2021	22:56:37.962	51P1	Deasserted
884	08/24/2021	22:56:38.002	OUT106	Asserted
883	08/24/2021	22:56:38.002	51P1	Asserted

882	08/24/2021	22:56:38.042	OUT106	Deasserted
881	08/24/2021	22:56:38.042	51P1	Deasserted
880	08/24/2021	22:56:38.343	OUT106	Asserted
879	08/24/2021	22:56:38.343	51P1	Asserted
878	08/24/2021	22:56:38.363	OUT106	Deasserted
877	08/24/2021	22:56:38.363	51P1	Deasserted
876	08/24/2021	22:56:38.383	OUT106	Asserted
875	08/24/2021	22:56:38.383	51P1	Asserted
874	08/24/2021	22:56:38.413	OUT106	Deasserted
873	08/24/2021	22:56:38.413	51P1	Deasserted
872	08/24/2021	22:56:38.523	OUT106	Asserted
871	08/24/2021	22:56:38.523	51P1	Asserted
870	08/24/2021	22:56:38.613	OUT106	Deasserted
869	08/24/2021	22:56:38.613	51P1	Deasserted
868	08/24/2021	22:56:38.663	OUT106	Asserted
867	08/24/2021	22:56:38.663	51P1	Asserted
866	08/24/2021	22:56:39.973	OUT106	Deasserted
865	08/24/2021	22:56:39.973	51P1	Deasserted
864	08/24/2021	22:56:40.083	OUT106	Asserted
863	08/24/2021	22:56:40.083	51P1	Asserted
862	08/24/2021	22:56:40.123	OUT106	Deasserted
861	08/24/2021	22:56:40.123	51P1	Deasserted
860	08/24/2021	22:56:40.143	OUT106	Asserted
859	08/24/2021	22:56:40.143	51P1	Asserted
858	08/24/2021	22:56:40.173	OUT106	Deasserted
857	08/24/2021	22:56:40.173	51P1	Deasserted
856	08/24/2021	22:56:40.283	OUT106	Asserted
855	08/24/2021	22:56:40.283	51P1	Asserted
854	08/24/2021	22:56:40.323	OUT106	Deasserted
853	08/24/2021	22:56:40.323	51P1	Deasserted
852	08/24/2021	22:56:40.373	OUT106	Asserted
851	08/24/2021	22:56:40.373	51P1	Asserted
850	08/24/2021	22:56:40.463	OUT106	Deasserted
849	08/24/2021	22:56:40.463	51P1	Deasserted
848	08/24/2021	22:56:40.613	OUT106	Asserted
847	08/24/2021	22:56:40.613	51P1	Asserted
846	08/24/2021	22:56:40.633	OUT106	Deasserted
845	08/24/2021	22:56:40.633	51P1	Deasserted
844	08/24/2021	22:56:49.221	OUT106	Asserted
843	08/24/2021	22:56:49.221	51P1	Asserted
842	08/24/2021	22:56:49.231	OUT106	Deasserted
841	08/24/2021	22:56:49.231	51P1	Deasserted
840	08/24/2021	22:56:49.271	OUT106	Asserted
839	08/24/2021	22:56:49.271	51P1	Asserted
838	08/24/2021	22:56:49.301	OUT106	Deasserted
837	08/24/2021	22:56:49.301	51P1	Deasserted
836	08/24/2021	22:56:51.234	OUT106	Asserted
835	08/24/2021	22:56:51.234	51P1	Asserted
834	08/24/2021	22:56:51.264	OUT106	Deasserted
833	08/24/2021	22:56:51.264	51P1	Deasserted

832	08/24/2021	22:56:52.306	OUT106	Asserted
831	08/24/2021	22:56:52.306	51P1	Asserted
830	08/24/2021	22:56:52.326	OUT106	Deasserted
829	08/24/2021	22:56:52.326	51P1	Deasserted
828	08/24/2021	22:56:52.466	OUT106	Asserted
827	08/24/2021	22:56:52.466	51P1	Asserted
826	08/24/2021	22:56:52.687	OUT106	Deasserted
825	08/24/2021	22:56:52.687	51P1	Deasserted
824	08/24/2021	22:56:52.717	OUT106	Asserted
823	08/24/2021	22:56:52.717	51P1	Asserted
822	08/24/2021	22:56:52.727	OUT106	Deasserted
821	08/24/2021	22:56:52.727	51P1	Deasserted
820	08/24/2021	22:56:52.917	OUT106	Asserted
819	08/24/2021	22:56:52.917	51P1	Asserted
818	08/24/2021	22:56:54.510	OUT106	Deasserted
817	08/24/2021	22:56:54.510	51P1	Deasserted
816	08/24/2021	22:56:54.520	OUT106	Asserted
815	08/24/2021	22:56:54.520	51P1	Asserted
814	08/24/2021	22:56:54.560	OUT106	Deasserted
813	08/24/2021	22:56:54.560	51P1	Deasserted
812	08/24/2021	22:56:54.670	OUT106	Asserted
811	08/24/2021	22:56:54.670	51P1	Asserted
810	08/24/2021	22:56:54.760	OUT106	Deasserted
809	08/24/2021	22:56:54.760	51P1	Deasserted
808	08/24/2021	22:56:54.770	OUT106	Asserted
807	08/24/2021	22:56:54.770	51P1	Asserted
806	08/24/2021	22:56:55.671	OUT106	Deasserted
805	08/24/2021	22:56:55.671	51P1	Deasserted
804	08/24/2021	22:56:55.731	OUT106	Asserted
803	08/24/2021	22:56:55.731	51P1	Asserted
802	08/24/2021	22:56:55.812	OUT106	Deasserted
801	08/24/2021	22:56:55.812	51P1	Deasserted
800	08/24/2021	22:56:55.822	OUT106	Asserted
799	08/24/2021	22:56:55.822	51P1	Asserted
798	08/24/2021	22:56:55.832	OUT106	Deasserted
797	08/24/2021	22:56:55.832	51P1	Deasserted
796	08/24/2021	22:56:57.474	OUT106	Asserted
795	08/24/2021	22:56:57.474	51P1	Asserted
794	08/24/2021	22:56:57.564	OUT106	Deasserted
793	08/24/2021	22:56:57.564	51P1	Deasserted
792	08/24/2021	22:56:57.594	OUT106	Asserted
791	08/24/2021	22:56:57.594	51P1	Asserted
790	08/24/2021	22:56:57.724	OUT106	Deasserted
789	08/24/2021	22:56:57.724	51P1	Deasserted
788	08/24/2021	22:56:57.824	OUT106	Asserted
787	08/24/2021	22:56:57.824	51P1	Asserted
786	08/24/2021	22:56:57.844	OUT106	Deasserted
785	08/24/2021	22:56:57.844	51P1	Deasserted
784	08/24/2021	22:56:58.285	OUT106	Asserted
783	08/24/2021	22:56:58.285	51P1	Asserted

782	08/24/2021	22:56:58.315	OUT106	Deasserted
781	08/24/2021	22:56:58.315	51P1	Deasserted
780	08/24/2021	22:56:58.335	OUT106	Asserted
779	08/24/2021	22:56:58.335	51P1	Asserted
778	08/24/2021	22:56:58.385	OUT106	Deasserted
777	08/24/2021	22:56:58.385	51P1	Deasserted
776	08/24/2021	22:56:58.455	OUT106	Asserted
775	08/24/2021	22:56:58.455	51P1	Asserted
774	08/24/2021	22:56:58.465	OUT106	Deasserted
773	08/24/2021	22:56:58.465	51P1	Deasserted
772	08/24/2021	22:56:58.495	OUT106	Asserted
771	08/24/2021	22:56:58.495	51P1	Asserted
770	08/24/2021	22:56:58.505	OUT106	Deasserted
769	08/24/2021	22:56:58.505	51P1	Deasserted
768	08/24/2021	22:56:58.846	OUT106	Asserted
767	08/24/2021	22:56:58.846	51P1	Asserted
766	08/24/2021	22:56:58.916	OUT106	Deasserted
765	08/24/2021	22:56:58.916	51P1	Deasserted
764	08/24/2021	22:56:59.006	OUT106	Asserted
763	08/24/2021	22:56:59.006	51P1	Asserted
762	08/24/2021	22:56:59.066	OUT106	Deasserted
761	08/24/2021	22:56:59.066	51P1	Deasserted
760	08/24/2021	22:56:59.096	OUT106	Asserted
759	08/24/2021	22:56:59.096	51P1	Asserted
758	08/24/2021	22:56:59.126	OUT106	Deasserted
757	08/24/2021	22:56:59.126	51P1	Deasserted
756	08/24/2021	22:56:59.136	OUT106	Asserted
755	08/24/2021	22:56:59.136	51P1	Asserted
754	08/24/2021	22:56:59.146	OUT106	Deasserted
753	08/24/2021	22:56:59.146	51P1	Deasserted
752	08/24/2021	22:56:59.166	OUT106	Asserted
751	08/24/2021	22:56:59.166	51P1	Asserted
750	08/24/2021	22:56:59.246	OUT106	Deasserted
749	08/24/2021	22:56:59.246	51P1	Deasserted
748	08/24/2021	22:56:59.336	OUT106	Asserted
747	08/24/2021	22:56:59.336	51P1	Asserted
746	08/24/2021	22:56:59.446	OUT106	Deasserted
745	08/24/2021	22:56:59.446	51P1	Deasserted
744	08/24/2021	22:57:01.048	OUT106	Asserted
743	08/24/2021	22:57:01.048	51P1	Asserted
742	08/24/2021	22:57:01.058	OUT106	Deasserted
741	08/24/2021	22:57:01.058	51P1	Deasserted
740	08/24/2021	22:57:01.409	OUT106	Asserted
739	08/24/2021	22:57:01.409	51P1	Asserted
738	08/24/2021	22:57:01.419	OUT106	Deasserted
737	08/24/2021	22:57:01.419	51P1	Deasserted
736	08/24/2021	22:57:01.439	OUT106	Asserted
735	08/24/2021	22:57:01.439	51P1	Asserted
734	08/24/2021	22:57:01.459	OUT106	Deasserted
733	08/24/2021	22:57:01.459	51P1	Deasserted

732	08/24/2021	22:57:01.960	OUT106	Asserted
731	08/24/2021	22:57:01.960	51P1	Asserted
730	08/24/2021	22:57:02.000	OUT106	Deasserted
729	08/24/2021	22:57:02.000	51P1	Deasserted
728	08/24/2021	22:57:02.120	OUT106	Asserted
727	08/24/2021	22:57:02.120	51P1	Asserted
726	08/24/2021	22:57:02.140	OUT106	Deasserted
725	08/24/2021	22:57:02.140	51P1	Deasserted
724	08/24/2021	22:57:02.320	OUT106	Asserted
723	08/24/2021	22:57:02.320	51P1	Asserted
722	08/24/2021	22:57:02.340	OUT106	Deasserted
721	08/24/2021	22:57:02.340	51P1	Deasserted
720	08/24/2021	22:57:02.410	OUT106	Asserted
719	08/24/2021	22:57:02.410	51P1	Asserted
718	08/24/2021	22:57:02.480	OUT106	Deasserted
717	08/24/2021	22:57:02.480	51P1	Deasserted
716	08/24/2021	22:57:02.821	OUT106	Asserted
715	08/24/2021	22:57:02.821	51P1	Asserted
714	08/24/2021	22:57:02.891	OUT106	Deasserted
713	08/24/2021	22:57:02.891	51P1	Deasserted
712	08/24/2021	22:57:02.941	OUT106	Asserted
711	08/24/2021	22:57:02.941	51P1	Asserted
710	08/24/2021	22:57:03.001	OUT106	Deasserted
709	08/24/2021	22:57:03.001	51P1	Deasserted
708	08/24/2021	22:57:03.081	OUT106	Asserted
707	08/24/2021	22:57:03.081	51P1	Asserted
706	08/24/2021	22:57:03.412	OUT106	Deasserted
705	08/24/2021	22:57:03.412	51P1	Deasserted
704	08/24/2021	22:57:03.432	OUT106	Asserted
703	08/24/2021	22:57:03.432	51P1	Asserted
702	08/24/2021	22:57:03.632	OUT106	Deasserted
701	08/24/2021	22:57:03.632	51P1	Deasserted
700	08/24/2021	22:57:03.652	OUT106	Asserted
699	08/24/2021	22:57:03.652	51P1	Asserted
698	08/24/2021	22:57:04.453	OUT106	Deasserted
697	08/24/2021	22:57:04.453	51P1	Deasserted
696	08/24/2021	22:57:04.463	OUT106	Asserted
695	08/24/2021	22:57:04.463	51P1	Asserted
694	08/24/2021	22:57:04.784	OUT106	Deasserted
693	08/24/2021	22:57:04.784	51P1	Deasserted
692	08/24/2021	22:57:04.794	OUT106	Asserted
691	08/24/2021	22:57:04.794	51P1	Asserted
690	08/24/2021	22:57:05.986	OUT106	Deasserted
689	08/24/2021	22:57:05.986	51P1	Deasserted
688	08/24/2021	22:57:05.996	OUT106	Asserted
687	08/24/2021	22:57:05.996	51P1	Asserted
686	08/24/2021	22:57:06.847	OUT106	Deasserted
685	08/24/2021	22:57:06.847	51P1	Deasserted
684	08/24/2021	22:57:06.937	OUT106	Asserted
683	08/24/2021	22:57:06.937	51P1	Asserted

682	08/24/2021	22:57:06.987	OUT106	Deasserted
681	08/24/2021	22:57:06.987	51P1	Deasserted
680	08/24/2021	22:57:06.997	OUT106	Asserted
679	08/24/2021	22:57:06.997	51P1	Asserted
678	08/24/2021	22:57:07.037	OUT106	Deasserted
677	08/24/2021	22:57:07.037	51P1	Deasserted
676	08/24/2021	22:57:07.047	OUT106	Asserted
675	08/24/2021	22:57:07.047	51P1	Asserted
674	08/24/2021	22:57:07.198	OUT106	Deasserted
673	08/24/2021	22:57:07.198	51P1	Deasserted
672	08/24/2021	22:57:07.218	OUT106	Asserted
671	08/24/2021	22:57:07.218	51P1	Asserted
670	08/24/2021	22:57:07.528	OUT106	Deasserted
669	08/24/2021	22:57:07.528	51P1	Deasserted
668	08/24/2021	22:57:08.099	OUT106	Asserted
667	08/24/2021	22:57:08.099	51P1	Asserted
666	08/24/2021	22:57:08.119	OUT106	Deasserted
665	08/24/2021	22:57:08.119	51P1	Deasserted
664	08/24/2021	22:57:08.139	OUT106	Asserted
663	08/24/2021	22:57:08.139	51P1	Asserted
662	08/24/2021	22:57:08.219	OUT106	Deasserted
661	08/24/2021	22:57:08.219	51P1	Deasserted
660	08/24/2021	22:57:08.300	OUT106	Asserted
659	08/24/2021	22:57:08.300	51P1	Asserted
658	08/24/2021	22:57:08.410	OUT106	Deasserted
657	08/24/2021	22:57:08.410	51P1	Deasserted
656	08/24/2021	22:57:08.430	OUT106	Asserted
655	08/24/2021	22:57:08.430	51P1	Asserted
654	08/24/2021	22:57:08.530	OUT106	Deasserted
653	08/24/2021	22:57:08.530	51P1	Deasserted
652	08/24/2021	22:57:08.700	OUT106	Asserted
651	08/24/2021	22:57:08.700	51P1	Asserted
650	08/24/2021	22:57:08.720	OUT106	Deasserted
649	08/24/2021	22:57:08.720	51P1	Deasserted
648	08/24/2021	22:57:08.790	OUT106	Asserted
647	08/24/2021	22:57:08.790	51P1	Asserted
646	08/24/2021	22:57:08.891	OUT106	Deasserted
645	08/24/2021	22:57:08.891	51P1	Deasserted
644	08/24/2021	22:57:08.901	OUT106	Asserted
643	08/24/2021	22:57:08.901	51P1	Asserted
642	08/24/2021	22:57:08.931	OUT106	Deasserted
641	08/24/2021	22:57:08.931	51P1	Deasserted
640	08/24/2021	22:57:08.971	OUT106	Asserted
639	08/24/2021	22:57:08.971	51P1	Asserted
638	08/24/2021	22:57:09.081	OUT106	Deasserted
637	08/24/2021	22:57:09.081	51P1	Deasserted
636	08/24/2021	22:57:09.111	OUT106	Asserted
635	08/24/2021	22:57:09.111	51P1	Asserted
634	08/24/2021	22:57:23.911	OUT106	Deasserted
633	08/24/2021	22:57:23.911	51P1	Deasserted

632	08/24/2021	22:57:23.921	OUT106	Asserted
631	08/24/2021	22:57:23.921	51P1	Asserted
630	08/24/2021	22:57:24.051	OUT106	Deasserted
629	08/24/2021	22:57:24.051	51P1	Deasserted
628	08/24/2021	22:57:24.141	OUT106	Asserted
627	08/24/2021	22:57:24.141	51P1	Asserted
626	08/24/2021	22:57:24.191	OUT106	Deasserted
625	08/24/2021	22:57:24.191	51P1	Deasserted
624	08/24/2021	22:57:24.281	OUT106	Asserted
623	08/24/2021	22:57:24.281	51P1	Asserted
622	08/24/2021	22:57:24.602	OUT106	Deasserted
621	08/24/2021	22:57:24.602	51P1	Deasserted
620	08/24/2021	22:57:24.632	OUT106	Asserted
619	08/24/2021	22:57:24.632	51P1	Asserted
618	08/24/2021	22:57:24.752	OUT106	Deasserted
617	08/24/2021	22:57:24.752	51P1	Deasserted
616	08/24/2021	22:57:24.782	OUT106	Asserted
615	08/24/2021	22:57:24.782	51P1	Asserted
614	08/24/2021	22:57:24.932	OUT106	Deasserted
613	08/24/2021	22:57:24.932	51P1	Deasserted
612	08/24/2021	22:57:24.942	OUT106	Asserted
611	08/24/2021	22:57:24.942	51P1	Asserted
610	08/24/2021	22:57:25.052	OUT106	Deasserted
609	08/24/2021	22:57:25.052	51P1	Deasserted
608	08/24/2021	22:57:25.232	OUT106	Asserted
607	08/24/2021	22:57:25.232	51P1	Asserted
606	08/24/2021	22:57:25.242	OUT106	Deasserted
605	08/24/2021	22:57:25.242	51P1	Deasserted
604	08/24/2021	22:57:25.292	OUT106	Asserted
603	08/24/2021	22:57:25.292	51P1	Asserted
602	08/24/2021	22:57:25.452	OUT106	Deasserted
601	08/24/2021	22:57:25.452	51P1	Deasserted
600	08/24/2021	22:57:25.482	OUT106	Asserted
599	08/24/2021	22:57:25.482	51P1	Asserted
598	08/24/2021	22:57:25.582	OUT106	Deasserted
597	08/24/2021	22:57:25.582	51P1	Deasserted
596	08/24/2021	22:57:25.833	OUT106	Asserted
595	08/24/2021	22:57:25.833	51P1	Asserted
594	08/24/2021	22:57:25.933	OUT106	Deasserted
593	08/24/2021	22:57:25.933	51P1	Deasserted
592	08/24/2021	22:57:26.023	OUT106	Asserted
591	08/24/2021	22:57:26.023	51P1	Asserted
590	08/24/2021	22:57:27.154	OUT106	Deasserted
589	08/24/2021	22:57:27.154	51P1	Deasserted
588	08/24/2021	22:57:27.174	OUT106	Asserted
587	08/24/2021	22:57:27.174	51P1	Asserted
586	08/24/2021	22:57:27.304	OUT106	Deasserted
585	08/24/2021	22:57:27.304	51P1	Deasserted
584	08/24/2021	22:57:27.374	OUT106	Asserted
583	08/24/2021	22:57:27.374	51P1	Asserted

582	08/24/2021	22:57:27.464	OUT106	Deasserted
581	08/24/2021	22:57:27.464	51P1	Deasserted
580	08/24/2021	22:57:27.524	OUT106	Asserted
579	08/24/2021	22:57:27.524	51P1	Asserted
578	08/24/2021	22:57:27.584	OUT106	Deasserted
577	08/24/2021	22:57:27.584	51P1	Deasserted
576	08/24/2021	22:57:27.805	OUT106	Asserted
575	08/24/2021	22:57:27.805	51P1	Asserted
574	08/24/2021	22:57:27.825	OUT106	Deasserted
573	08/24/2021	22:57:27.825	51P1	Deasserted
572	08/24/2021	22:57:27.925	OUT106	Asserted
571	08/24/2021	22:57:27.925	51P1	Asserted
570	08/24/2021	22:57:28.025	OUT106	Deasserted
569	08/24/2021	22:57:28.025	51P1	Deasserted
568	08/24/2021	22:57:28.055	OUT106	Asserted
567	08/24/2021	22:57:28.055	51P1	Asserted
566	08/24/2021	22:57:28.085	OUT106	Deasserted
565	08/24/2021	22:57:28.085	51P1	Deasserted
564	08/24/2021	22:57:28.095	OUT106	Asserted
563	08/24/2021	22:57:28.095	51P1	Asserted
562	08/24/2021	22:57:28.375	OUT106	Deasserted
561	08/24/2021	22:57:28.375	51P1	Deasserted
560	08/24/2021	22:57:28.415	OUT106	Asserted
559	08/24/2021	22:57:28.415	51P1	Asserted
558	08/24/2021	22:57:28.435	OUT106	Deasserted
557	08/24/2021	22:57:28.435	51P1	Deasserted
556	08/24/2021	22:57:28.455	OUT106	Asserted
555	08/24/2021	22:57:28.455	51P1	Asserted
554	08/24/2021	22:57:28.465	OUT106	Deasserted
553	08/24/2021	22:57:28.465	51P1	Deasserted
552	08/24/2021	22:57:28.655	OUT106	Asserted
551	08/24/2021	22:57:28.655	51P1	Asserted
550	08/24/2021	22:57:28.685	OUT106	Deasserted
549	08/24/2021	22:57:28.685	51P1	Deasserted
548	08/24/2021	22:57:28.776	OUT106	Asserted
547	08/24/2021	22:57:28.776	51P1	Asserted
546	08/24/2021	22:57:28.886	OUT106	Deasserted
545	08/24/2021	22:57:28.886	51P1	Deasserted
544	08/24/2021	22:57:28.906	OUT106	Asserted
543	08/24/2021	22:57:28.906	51P1	Asserted
542	08/24/2021	22:57:29.226	OUT106	Deasserted
541	08/24/2021	22:57:29.226	51P1	Deasserted
540	08/24/2021	22:57:29.266	OUT106	Asserted
539	08/24/2021	22:57:29.266	51P1	Asserted
538	08/24/2021	22:57:29.296	OUT106	Deasserted
537	08/24/2021	22:57:29.296	51P1	Deasserted
536	08/24/2021	22:57:29.316	OUT106	Asserted
535	08/24/2021	22:57:29.316	51P1	Asserted
534	08/24/2021	22:57:29.576	OUT106	Deasserted
533	08/24/2021	22:57:29.576	51P1	Deasserted

532	08/24/2021	22:57:29.586	OUT106	Asserted
531	08/24/2021	22:57:29.586	51P1	Asserted
530	08/24/2021	22:57:29.917	OUT106	Deasserted
529	08/24/2021	22:57:29.917	51P1	Deasserted
528	08/24/2021	22:57:29.947	OUT106	Asserted
527	08/24/2021	22:57:29.947	51P1	Asserted
526	08/24/2021	22:57:30.427	OUT106	Deasserted
525	08/24/2021	22:57:30.427	51P1	Deasserted
524	08/24/2021	22:57:30.467	OUT106	Asserted
523	08/24/2021	22:57:30.467	51P1	Asserted
522	08/24/2021	22:57:30.497	OUT106	Deasserted
521	08/24/2021	22:57:30.497	51P1	Deasserted
520	08/24/2021	22:57:30.527	OUT106	Asserted
519	08/24/2021	22:57:30.527	51P1	Asserted
518	08/24/2021	22:57:30.557	OUT106	Deasserted
517	08/24/2021	22:57:30.557	51P1	Deasserted
516	08/24/2021	22:57:30.657	OUT106	Asserted
515	08/24/2021	22:57:30.657	51P1	Asserted
514	08/24/2021	22:57:30.707	OUT106	Deasserted
513	08/24/2021	22:57:30.707	51P1	Deasserted
512	08/24/2021	22:57:31.218	OUT106	Asserted
511	08/24/2021	22:57:31.218	51P1	Asserted
510	08/24/2021	22:57:31.228	OUT106	Deasserted
509	08/24/2021	22:57:31.228	51P1	Deasserted
508	08/24/2021	22:57:31.398	OUT106	Asserted
507	08/24/2021	22:57:31.398	51P1	Asserted
506	08/24/2021	22:57:31.428	OUT106	Deasserted
505	08/24/2021	22:57:31.428	51P1	Deasserted
504	08/24/2021	22:57:31.478	OUT106	Asserted
503	08/24/2021	22:57:31.478	51P1	Asserted
502	08/24/2021	22:57:31.628	OUT106	Deasserted
501	08/24/2021	22:57:31.628	51P1	Deasserted
500	08/24/2021	22:57:31.668	OUT106	Asserted
499	08/24/2021	22:57:31.668	51P1	Asserted
498	08/24/2021	22:57:31.698	OUT106	Deasserted
497	08/24/2021	22:57:31.698	51P1	Deasserted
496	08/24/2021	22:57:31.738	OUT106	Asserted
495	08/24/2021	22:57:31.738	51P1	Asserted
494	08/24/2021	22:57:31.748	OUT106	Deasserted
493	08/24/2021	22:57:31.748	51P1	Deasserted
492	08/24/2021	22:57:31.888	OUT106	Asserted
491	08/24/2021	22:57:31.888	51P1	Asserted
490	08/24/2021	22:57:31.988	OUT106	Deasserted
489	08/24/2021	22:57:31.988	51P1	Deasserted
488	08/24/2021	22:57:32.019	OUT106	Asserted
487	08/24/2021	22:57:32.019	51P1	Asserted
486	08/24/2021	22:57:32.059	OUT106	Deasserted
485	08/24/2021	22:57:32.059	51P1	Deasserted
484	08/24/2021	22:57:32.069	OUT106	Asserted
483	08/24/2021	22:57:32.069	51P1	Asserted

482	08/24/2021	22:57:32.269	OUT106	Deasserted
481	08/24/2021	22:57:32.269	51P1	Deasserted
480	08/24/2021	22:57:32.389	OUT106	Asserted
479	08/24/2021	22:57:32.389	51P1	Asserted
478	08/24/2021	22:57:32.479	OUT106	Deasserted
477	08/24/2021	22:57:32.479	51P1	Deasserted
476	08/24/2021	22:57:32.519	OUT106	Asserted
475	08/24/2021	22:57:32.519	51P1	Asserted
474	08/24/2021	22:57:32.639	OUT106	Deasserted
473	08/24/2021	22:57:32.639	51P1	Deasserted
472	08/24/2021	22:57:35.362	OUT106	Asserted
471	08/24/2021	22:57:35.362	51P1	Asserted
470	08/24/2021	22:57:35.392	OUT106	Deasserted
469	08/24/2021	22:57:35.392	51P1	Deasserted
468	08/24/2021	22:57:35.442	OUT106	Asserted
467	08/24/2021	22:57:35.442	51P1	Asserted
466	08/24/2021	22:57:35.482	OUT106	Deasserted
465	08/24/2021	22:57:35.482	51P1	Deasserted
464	08/24/2021	22:57:35.492	OUT106	Asserted
463	08/24/2021	22:57:35.492	51P1	Asserted
462	08/24/2021	22:57:35.592	OUT106	Deasserted
461	08/24/2021	22:57:35.592	51P1	Deasserted
460	08/24/2021	22:57:35.652	OUT106	Asserted
459	08/24/2021	22:57:35.652	51P1	Asserted
458	08/24/2021	22:57:35.662	OUT106	Deasserted
457	08/24/2021	22:57:35.662	51P1	Deasserted
456	08/24/2021	22:57:37.044	OUT106	Asserted
455	08/24/2021	22:57:37.044	51P1	Asserted
454	08/24/2021	22:57:37.074	OUT106	Deasserted
453	08/24/2021	22:57:37.074	51P1	Deasserted
452	08/24/2021	22:57:46.658	OUT106	Asserted
451	08/24/2021	22:57:46.658	51P1	Asserted
450	08/24/2021	22:57:46.778	OUT106	Deasserted
449	08/24/2021	22:57:46.778	51P1	Deasserted
448	08/24/2021	22:57:46.818	OUT106	Asserted
447	08/24/2021	22:57:46.818	51P1	Asserted
446	08/24/2021	22:57:46.968	OUT106	Deasserted
445	08/24/2021	22:57:46.968	51P1	Deasserted
444	08/24/2021	22:57:46.978	OUT106	Asserted
443	08/24/2021	22:57:46.978	51P1	Asserted
442	08/24/2021	22:58:18.101	OUT106	Deasserted
441	08/24/2021	22:58:18.101	51P1	Deasserted
440	08/24/2021	22:58:18.131	OUT106	Asserted
439	08/24/2021	22:58:18.131	51P1	Asserted
438	08/24/2021	22:58:18.191	OUT106	Deasserted
437	08/24/2021	22:58:18.191	51P1	Deasserted
436	08/24/2021	22:58:18.201	OUT106	Asserted
435	08/24/2021	22:58:18.201	51P1	Asserted
434	08/24/2021	22:58:18.441	OUT106	Deasserted
433	08/24/2021	22:58:18.441	51P1	Deasserted

432	08/24/2021	22:58:18.461	OUT106	Asserted
431	08/24/2021	22:58:18.461	51P1	Asserted
430	08/24/2021	22:58:18.641	OUT106	Deasserted
429	08/24/2021	22:58:18.641	51P1	Deasserted
428	08/24/2021	22:58:18.651	OUT106	Asserted
427	08/24/2021	22:58:18.651	51P1	Asserted
426	08/24/2021	22:58:18.962	OUT106	Deasserted
425	08/24/2021	22:58:18.962	51P1	Deasserted
424	08/24/2021	22:58:18.982	OUT106	Asserted
423	08/24/2021	22:58:18.982	51P1	Asserted
422	08/24/2021	23:07:43.582	OUT106	Deasserted
421	08/24/2021	23:07:43.582	51P1	Deasserted
420	08/24/2021	23:07:43.602	OUT106	Asserted
419	08/24/2021	23:07:43.602	51P1	Asserted
418	08/24/2021	23:07:43.662	OUT106	Deasserted
417	08/24/2021	23:07:43.662	51P1	Deasserted
416	08/24/2021	23:07:43.682	OUT106	Asserted
415	08/24/2021	23:07:43.682	51P1	Asserted
414	08/24/2021	23:07:43.733	OUT106	Deasserted
413	08/24/2021	23:07:43.733	51P1	Deasserted
412	08/24/2021	23:07:43.793	OUT106	Asserted
411	08/24/2021	23:07:43.793	51P1	Asserted
410	08/24/2021	23:07:43.933	OUT106	Deasserted
409	08/24/2021	23:07:43.933	51P1	Deasserted
408	08/24/2021	23:07:43.953	OUT106	Asserted
407	08/24/2021	23:07:43.953	51P1	Asserted
406	08/24/2021	23:07:44.063	OUT106	Deasserted
405	08/24/2021	23:07:44.063	51P1	Deasserted
404	08/24/2021	23:07:44.183	OUT106	Asserted
403	08/24/2021	23:07:44.183	51P1	Asserted
402	08/24/2021	23:07:44.234	OUT106	Deasserted
401	08/24/2021	23:07:44.234	51P1	Deasserted
400	08/24/2021	23:07:44.294	OUT106	Asserted
399	08/24/2021	23:07:44.294	51P1	Asserted
398	08/24/2021	23:07:45.606	OUT106	Deasserted
397	08/24/2021	23:07:45.606	51P1	Deasserted
396	08/24/2021	23:07:45.967	OUT106	Asserted
395	08/24/2021	23:07:45.967	51P1	Asserted
394	08/24/2021	23:07:45.997	OUT106	Deasserted
393	08/24/2021	23:07:45.997	51P1	Deasserted
392	08/24/2021	23:07:46.027	OUT106	Asserted
391	08/24/2021	23:07:46.027	51P1	Asserted
390	08/24/2021	23:07:46.147	OUT106	Deasserted
389	08/24/2021	23:07:46.147	51P1	Deasserted
388	08/24/2021	23:07:46.177	OUT106	Asserted
387	08/24/2021	23:07:46.177	51P1	Asserted
386	08/24/2021	23:07:46.287	OUT106	Deasserted
385	08/24/2021	23:07:46.287	51P1	Deasserted
384	08/24/2021	23:07:46.297	OUT106	Asserted
383	08/24/2021	23:07:46.297	51P1	Asserted

382	08/24/2021	23:07:46.318	OUT106	Deasserted
381	08/24/2021	23:07:46.318	51P1	Deasserted
380	08/24/2021	23:07:46.368	OUT106	Asserted
379	08/24/2021	23:07:46.368	51P1	Asserted
378	08/24/2021	23:07:46.488	OUT106	Deasserted
377	08/24/2021	23:07:46.488	51P1	Deasserted
376	08/24/2021	23:07:46.548	OUT106	Asserted
375	08/24/2021	23:07:46.548	51P1	Asserted
374	08/24/2021	23:07:46.568	OUT106	Deasserted
373	08/24/2021	23:07:46.568	51P1	Deasserted
372	08/24/2021	23:07:46.578	OUT106	Asserted
371	08/24/2021	23:07:46.578	51P1	Asserted
370	08/24/2021	23:07:46.678	OUT106	Deasserted
369	08/24/2021	23:07:46.678	51P1	Deasserted
368	08/24/2021	23:07:46.718	OUT106	Asserted
367	08/24/2021	23:07:46.718	51P1	Asserted
366	08/24/2021	23:07:46.818	OUT106	Deasserted
365	08/24/2021	23:07:46.818	51P1	Deasserted
364	08/24/2021	23:07:46.969	OUT106	Asserted
363	08/24/2021	23:07:46.969	51P1	Asserted
362	08/24/2021	23:07:46.999	OUT106	Deasserted
361	08/24/2021	23:07:46.999	51P1	Deasserted
360	08/24/2021	23:07:47.099	OUT106	Asserted
359	08/24/2021	23:07:47.099	51P1	Asserted
358	08/24/2021	23:07:47.119	OUT106	Deasserted
357	08/24/2021	23:07:47.119	51P1	Deasserted
356	08/24/2021	23:07:47.389	OUT106	Asserted
355	08/24/2021	23:07:47.389	51P1	Asserted
354	08/24/2021	23:07:47.490	OUT106	Deasserted
353	08/24/2021	23:07:47.490	51P1	Deasserted
352	08/24/2021	23:07:47.930	OUT106	Asserted
351	08/24/2021	23:07:47.930	51P1	Asserted
350	08/24/2021	23:07:48.051	OUT106	Deasserted
349	08/24/2021	23:07:48.051	51P1	Deasserted
348	08/24/2021	23:07:48.091	OUT106	Asserted
347	08/24/2021	23:07:48.091	51P1	Asserted
346	08/24/2021	23:07:48.101	OUT106	Deasserted
345	08/24/2021	23:07:48.101	51P1	Deasserted
344	08/24/2021	23:07:48.111	OUT106	Asserted
343	08/24/2021	23:07:48.111	51P1	Asserted
342	08/24/2021	23:07:48.151	OUT106	Deasserted
341	08/24/2021	23:07:48.151	51P1	Deasserted
340	08/24/2021	23:07:48.271	OUT106	Asserted
339	08/24/2021	23:07:48.271	51P1	Asserted
338	08/24/2021	23:07:48.291	OUT106	Deasserted
337	08/24/2021	23:07:48.291	51P1	Deasserted
336	08/24/2021	23:07:48.321	OUT106	Asserted
335	08/24/2021	23:07:48.321	51P1	Asserted
334	08/24/2021	23:07:48.351	OUT106	Deasserted
333	08/24/2021	23:07:48.351	51P1	Deasserted

332	08/24/2021	23:07:48.672	OUT106	Asserted
331	08/24/2021	23:07:48.672	51P1	Asserted
330	08/24/2021	23:07:48.682	OUT106	Deasserted
329	08/24/2021	23:07:48.682	51P1	Deasserted
328	08/24/2021	23:07:48.802	OUT106	Asserted
327	08/24/2021	23:07:48.802	51P1	Asserted
326	08/24/2021	23:07:48.812	OUT106	Deasserted
325	08/24/2021	23:07:48.812	51P1	Deasserted
324	08/24/2021	23:07:49.133	OUT106	Asserted
323	08/24/2021	23:07:49.133	51P1	Asserted
322	08/24/2021	23:07:49.173	OUT106	Deasserted
321	08/24/2021	23:07:49.173	51P1	Deasserted
320	08/24/2021	23:07:49.213	OUT106	Asserted
319	08/24/2021	23:07:49.213	51P1	Asserted
318	08/24/2021	23:07:49.243	OUT106	Deasserted
317	08/24/2021	23:07:49.243	51P1	Deasserted
316	08/24/2021	23:07:49.253	OUT106	Asserted
315	08/24/2021	23:07:49.253	51P1	Asserted
314	08/24/2021	23:07:49.273	OUT106	Deasserted
313	08/24/2021	23:07:49.273	51P1	Deasserted
312	08/24/2021	23:07:49.313	OUT106	Asserted
311	08/24/2021	23:07:49.313	51P1	Asserted
310	08/24/2021	23:07:49.383	OUT106	Deasserted
309	08/24/2021	23:07:49.383	51P1	Deasserted
308	08/24/2021	23:07:49.463	OUT106	Asserted
307	08/24/2021	23:07:49.463	51P1	Asserted
306	08/24/2021	23:07:49.483	OUT106	Deasserted
305	08/24/2021	23:07:49.483	51P1	Deasserted
304	08/24/2021	23:07:49.523	OUT106	Asserted
303	08/24/2021	23:07:49.523	51P1	Asserted
302	08/24/2021	23:07:49.584	OUT106	Deasserted
301	08/24/2021	23:07:49.584	51P1	Deasserted
300	08/24/2021	23:07:49.664	OUT106	Asserted
299	08/24/2021	23:07:49.664	51P1	Asserted
298	08/24/2021	23:07:49.704	OUT106	Deasserted
297	08/24/2021	23:07:49.704	51P1	Deasserted
296	08/24/2021	23:07:49.734	OUT106	Asserted
295	08/24/2021	23:07:49.734	51P1	Asserted
294	08/24/2021	23:07:49.744	OUT106	Deasserted
293	08/24/2021	23:07:49.744	51P1	Deasserted
292	08/24/2021	23:07:49.814	OUT106	Asserted
291	08/24/2021	23:07:49.814	51P1	Asserted
290	08/24/2021	23:07:49.914	OUT106	Deasserted
289	08/24/2021	23:07:49.914	51P1	Deasserted
288	08/24/2021	23:07:49.944	OUT106	Asserted
287	08/24/2021	23:07:49.944	51P1	Asserted
286	08/24/2021	23:07:50.095	OUT106	Deasserted
285	08/24/2021	23:07:50.095	51P1	Deasserted
284	08/24/2021	23:07:50.155	OUT106	Asserted
283	08/24/2021	23:07:50.155	51P1	Asserted

282	08/24/2021	23:07:50.175	OUT106	Deasserted
281	08/24/2021	23:07:50.175	51P1	Deasserted
280	08/24/2021	23:07:50.205	OUT106	Asserted
279	08/24/2021	23:07:50.205	51P1	Asserted
278	08/24/2021	23:07:50.215	OUT106	Deasserted
277	08/24/2021	23:07:50.215	51P1	Deasserted
276	08/24/2021	23:07:50.235	OUT106	Asserted
275	08/24/2021	23:07:50.235	51P1	Asserted
274	08/24/2021	23:07:50.295	OUT106	Deasserted
273	08/24/2021	23:07:50.295	51P1	Deasserted
272	08/24/2021	23:07:50.335	OUT106	Asserted
271	08/24/2021	23:07:50.335	51P1	Asserted
270	08/24/2021	23:07:50.385	OUT106	Deasserted
269	08/24/2021	23:07:50.385	51P1	Deasserted
268	08/24/2021	23:07:50.395	OUT106	Asserted
267	08/24/2021	23:07:50.395	51P1	Asserted
266	08/24/2021	23:07:50.626	OUT106	Deasserted
265	08/24/2021	23:07:50.626	51P1	Deasserted
264	08/24/2021	23:07:50.666	OUT106	Asserted
263	08/24/2021	23:07:50.666	51P1	Asserted
262	08/24/2021	23:07:50.786	OUT106	Deasserted
261	08/24/2021	23:07:50.786	51P1	Deasserted
260	08/24/2021	23:07:50.806	OUT106	Asserted
259	08/24/2021	23:07:50.806	51P1	Asserted
258	08/24/2021	23:07:51.167	OUT106	Deasserted
257	08/24/2021	23:07:51.167	51P1	Deasserted
256	08/24/2021	23:07:51.217	OUT106	Asserted
255	08/24/2021	23:07:51.217	51P1	Asserted
254	08/24/2021	23:07:51.307	OUT106	Deasserted
253	08/24/2021	23:07:51.307	51P1	Deasserted
252	08/24/2021	23:07:51.357	OUT106	Asserted
251	08/24/2021	23:07:51.357	51P1	Asserted
250	08/24/2021	23:07:51.658	OUT106	Deasserted
249	08/24/2021	23:07:51.658	51P1	Deasserted
248	08/24/2021	23:07:51.698	OUT106	Asserted
247	08/24/2021	23:07:51.698	51P1	Asserted
246	08/24/2021	23:07:51.718	OUT106	Deasserted
245	08/24/2021	23:07:51.718	51P1	Deasserted
244	08/24/2021	23:07:51.798	OUT106	Asserted
243	08/24/2021	23:07:51.798	51P1	Asserted
242	08/24/2021	23:07:51.838	OUT106	Deasserted
241	08/24/2021	23:07:51.838	51P1	Deasserted
240	08/24/2021	23:07:51.898	OUT106	Asserted
239	08/24/2021	23:07:51.898	51P1	Asserted
238	08/24/2021	23:07:51.918	OUT106	Deasserted
237	08/24/2021	23:07:51.918	51P1	Deasserted
236	08/24/2021	23:07:53.652	OUT106	Asserted
235	08/24/2021	23:07:53.652	51P1	Asserted
234	08/24/2021	23:07:53.682	OUT106	Deasserted
233	08/24/2021	23:07:53.682	51P1	Deasserted

232	08/24/2021	23:07:53.773	OUT106	Asserted
231	08/24/2021	23:07:53.773	51P1	Asserted
230	08/24/2021	23:07:53.903	OUT106	Deasserted
229	08/24/2021	23:07:53.903	51P1	Deasserted
228	08/24/2021	23:07:54.705	OUT106	Asserted
227	08/24/2021	23:07:54.705	51P1	Asserted
226	08/24/2021	23:07:54.735	OUT106	Deasserted
225	08/24/2021	23:07:54.735	51P1	Deasserted
224	08/24/2021	23:07:55.186	OUT106	Asserted
223	08/24/2021	23:07:55.186	51P1	Asserted
222	08/24/2021	23:07:55.206	OUT106	Deasserted
221	08/24/2021	23:07:55.206	51P1	Deasserted
220	08/24/2021	23:07:55.397	OUT106	Asserted
219	08/24/2021	23:07:55.397	51P1	Asserted
218	08/24/2021	23:07:55.407	OUT106	Deasserted
217	08/24/2021	23:07:55.407	51P1	Deasserted
216	08/24/2021	23:07:55.517	OUT106	Asserted
215	08/24/2021	23:07:55.517	51P1	Asserted
214	08/24/2021	23:07:55.527	OUT106	Deasserted
213	08/24/2021	23:07:55.527	51P1	Deasserted
212	08/24/2021	23:07:55.707	OUT106	Asserted
211	08/24/2021	23:07:55.707	51P1	Asserted
210	08/24/2021	23:07:55.738	OUT106	Deasserted
209	08/24/2021	23:07:55.738	51P1	Deasserted
208	08/24/2021	23:07:56.058	OUT106	Asserted
207	08/24/2021	23:07:56.058	51P1	Asserted
206	08/24/2021	23:07:56.088	OUT106	Deasserted
205	08/24/2021	23:07:56.088	51P1	Deasserted
204	08/24/2021	23:07:56.119	OUT106	Asserted
203	08/24/2021	23:07:56.119	51P1	Asserted
202	08/24/2021	23:07:56.199	OUT106	Deasserted
201	08/24/2021	23:07:56.199	51P1	Deasserted
200	08/24/2021	23:07:56.259	OUT106	Asserted
199	08/24/2021	23:07:56.259	51P1	Asserted
198	08/24/2021	23:07:56.279	OUT106	Deasserted
197	08/24/2021	23:07:56.279	51P1	Deasserted
196	08/24/2021	23:07:56.409	OUT106	Asserted
195	08/24/2021	23:07:56.409	51P1	Asserted
194	08/24/2021	23:07:56.439	OUT106	Deasserted
193	08/24/2021	23:07:56.439	51P1	Deasserted
192	08/24/2021	23:07:57.141	OUT106	Asserted
191	08/24/2021	23:07:57.141	51P1	Asserted
190	08/24/2021	23:07:57.272	OUT106	Deasserted
189	08/24/2021	23:07:57.272	51P1	Deasserted
188	08/24/2021	23:07:57.622	OUT106	Asserted
187	08/24/2021	23:07:57.622	51P1	Asserted
186	08/24/2021	23:07:57.643	OUT106	Deasserted
185	08/24/2021	23:07:57.643	51P1	Deasserted
184	08/24/2021	23:07:59.668	OUT106	Asserted
183	08/24/2021	23:07:59.668	51P1	Asserted

182	08/24/2021	23:07:59.678	OUT106	Deasserted
181	08/24/2021	23:07:59.678	51P1	Deasserted
180	08/24/2021	23:08:07.824	OUT106	Asserted
179	08/24/2021	23:08:07.824	51P1	Asserted
178	08/24/2021	23:08:07.935	OUT106	Deasserted
177	08/24/2021	23:08:07.935	51P1	Deasserted
176	08/24/2021	23:08:07.945	OUT106	Asserted
175	08/24/2021	23:08:07.945	51P1	Asserted
174	08/24/2021	23:08:07.985	OUT106	Deasserted
173	08/24/2021	23:08:07.985	51P1	Deasserted
172	08/24/2021	23:08:08.125	OUT106	Asserted
171	08/24/2021	23:08:08.125	51P1	Asserted
170	08/24/2021	23:08:08.175	OUT106	Deasserted
169	08/24/2021	23:08:08.175	51P1	Deasserted
168	08/24/2021	23:08:08.976	OUT106	Asserted
167	08/24/2021	23:08:08.976	51P1	Asserted
166	08/24/2021	23:08:09.036	OUT106	Deasserted
165	08/24/2021	23:08:09.036	51P1	Deasserted
164	08/24/2021	23:08:09.097	OUT106	Asserted
163	08/24/2021	23:08:09.097	51P1	Asserted
162	08/24/2021	23:08:09.117	OUT106	Deasserted
161	08/24/2021	23:08:09.117	51P1	Deasserted
160	08/24/2021	23:08:09.157	OUT106	Asserted
159	08/24/2021	23:08:09.157	51P1	Asserted
158	08/24/2021	23:08:09.237	OUT106	Deasserted
157	08/24/2021	23:08:09.237	51P1	Deasserted
156	08/24/2021	23:08:09.297	OUT106	Asserted
155	08/24/2021	23:08:09.297	51P1	Asserted
154	08/24/2021	23:08:09.327	OUT106	Deasserted
153	08/24/2021	23:08:09.327	51P1	Deasserted
152	08/24/2021	23:08:09.357	OUT106	Asserted
151	08/24/2021	23:08:09.357	51P1	Asserted
150	08/24/2021	23:08:09.397	OUT106	Deasserted
149	08/24/2021	23:08:09.397	51P1	Deasserted
148	08/24/2021	23:08:09.497	OUT106	Asserted
147	08/24/2021	23:08:09.497	51P1	Asserted
146	08/24/2021	23:08:09.537	OUT106	Deasserted
145	08/24/2021	23:08:09.537	51P1	Deasserted
144	08/24/2021	23:08:09.627	OUT106	Asserted
143	08/24/2021	23:08:09.627	51P1	Asserted
142	08/24/2021	23:08:09.678	OUT106	Deasserted
141	08/24/2021	23:08:09.678	51P1	Deasserted
140	08/24/2021	23:08:09.698	OUT106	Asserted
139	08/24/2021	23:08:09.698	51P1	Asserted
138	08/24/2021	23:08:09.718	OUT106	Deasserted
137	08/24/2021	23:08:09.718	51P1	Deasserted
136	08/24/2021	23:08:09.818	OUT106	Asserted
135	08/24/2021	23:08:09.818	51P1	Asserted
134	08/24/2021	23:08:09.878	OUT106	Deasserted
133	08/24/2021	23:08:09.878	51P1	Deasserted

132	08/24/2021	23:08:09.898	OUT106	Asserted
131	08/24/2021	23:08:09.898	51P1	Asserted
130	08/24/2021	23:08:09.918	OUT106	Deasserted
129	08/24/2021	23:08:09.918	51P1	Deasserted
128	08/24/2021	23:08:09.978	OUT106	Asserted
127	08/24/2021	23:08:09.978	51P1	Asserted
126	08/24/2021	23:08:10.008	OUT106	Deasserted
125	08/24/2021	23:08:10.008	51P1	Deasserted
124	08/24/2021	23:08:10.028	OUT106	Asserted
123	08/24/2021	23:08:10.028	51P1	Asserted
122	08/24/2021	23:08:10.038	OUT106	Deasserted
121	08/24/2021	23:08:10.038	51P1	Deasserted
120	08/24/2021	23:08:10.509	OUT106	Asserted
119	08/24/2021	23:08:10.509	51P1	Asserted
118	08/24/2021	23:08:10.589	OUT106	Deasserted
117	08/24/2021	23:08:10.589	51P1	Deasserted
116	08/24/2021	23:08:10.809	OUT106	Asserted
115	08/24/2021	23:08:10.809	51P1	Asserted
114	08/24/2021	23:08:11.120	OUT106	Deasserted
113	08/24/2021	23:08:11.120	51P1	Deasserted
112	08/24/2021	23:08:11.220	OUT106	Asserted
111	08/24/2021	23:08:11.220	51P1	Asserted
110	08/24/2021	23:08:11.310	OUT106	Deasserted
109	08/24/2021	23:08:11.310	51P1	Deasserted
108	08/24/2021	23:08:11.320	OUT106	Asserted
107	08/24/2021	23:08:11.320	51P1	Asserted
106	08/24/2021	23:08:11.481	OUT106	Deasserted
105	08/24/2021	23:08:11.481	51P1	Deasserted
104	08/24/2021	23:08:11.511	OUT106	Asserted
103	08/24/2021	23:08:11.511	51P1	Asserted
102	08/24/2021	23:08:11.551	OUT106	Deasserted
101	08/24/2021	23:08:11.551	51P1	Deasserted
100	08/24/2021	23:08:11.561	OUT106	Asserted
99	08/24/2021	23:08:11.561	51P1	Asserted
98	08/24/2021	23:08:11.631	OUT106	Deasserted
97	08/24/2021	23:08:11.631	51P1	Deasserted
96	08/24/2021	23:08:11.701	OUT106	Asserted
95	08/24/2021	23:08:11.701	51P1	Asserted
94	08/24/2021	23:08:11.821	OUT106	Deasserted
93	08/24/2021	23:08:11.821	51P1	Deasserted
92	08/24/2021	23:08:11.851	OUT106	Asserted
91	08/24/2021	23:08:11.851	51P1	Asserted
90	08/24/2021	23:08:12.172	OUT106	Deasserted
89	08/24/2021	23:08:12.172	51P1	Deasserted
88	08/24/2021	23:08:12.182	OUT106	Asserted
87	08/24/2021	23:08:12.182	51P1	Asserted
86	08/24/2021	23:08:12.492	OUT106	Deasserted
85	08/24/2021	23:08:12.492	51P1	Deasserted
84	08/24/2021	23:08:12.502	OUT106	Asserted
83	08/24/2021	23:08:12.502	51P1	Asserted

82	08/24/2021	23:08:13.033	OUT106	Deasserted
81	08/24/2021	23:08:13.033	51P1	Deasserted
80	08/24/2021	23:08:13.043	OUT106	Asserted
79	08/24/2021	23:08:13.043	51P1	Asserted
78	08/24/2021	23:08:14.576	OUT106	Deasserted
77	08/24/2021	23:08:14.576	51P1	Deasserted
76	08/24/2021	23:08:14.596	OUT106	Asserted
75	08/24/2021	23:08:14.596	51P1	Asserted
74	08/24/2021	23:08:14.766	OUT106	Deasserted
73	08/24/2021	23:08:14.766	51P1	Deasserted
72	08/24/2021	23:08:14.776	OUT106	Asserted
71	08/24/2021	23:08:14.776	51P1	Asserted
70	08/24/2021	23:08:16.128	OUT106	Deasserted
69	08/24/2021	23:08:16.128	51P1	Deasserted
68	08/24/2021	23:08:16.148	OUT106	Asserted
67	08/24/2021	23:08:16.148	51P1	Asserted
66	08/24/2021	23:08:16.259	OUT106	Deasserted
65	08/24/2021	23:08:16.259	51P1	Deasserted
64	08/24/2021	23:08:16.269	OUT106	Asserted
63	08/24/2021	23:08:16.269	51P1	Asserted
62	08/24/2021	23:08:16.299	OUT106	Deasserted
61	08/24/2021	23:08:16.299	51P1	Deasserted
60	08/24/2021	23:08:16.349	OUT106	Asserted
59	08/24/2021	23:08:16.349	51P1	Asserted
58	08/24/2021	23:08:16.379	OUT106	Deasserted
57	08/24/2021	23:08:16.379	51P1	Deasserted
56	08/24/2021	23:08:16.399	OUT106	Asserted
55	08/24/2021	23:08:16.399	51P1	Asserted
54	08/24/2021	23:08:16.459	OUT106	Deasserted
53	08/24/2021	23:08:16.459	51P1	Deasserted
52	08/24/2021	23:08:16.519	OUT106	Asserted
51	08/24/2021	23:08:16.519	51P1	Asserted
50	08/24/2021	23:08:16.529	OUT106	Deasserted
49	08/24/2021	23:08:16.529	51P1	Deasserted
48	08/24/2021	23:08:16.549	OUT106	Asserted
47	08/24/2021	23:08:16.549	51P1	Asserted
46	08/24/2021	23:08:16.990	OUT106	Deasserted
45	08/24/2021	23:08:16.990	51P1	Deasserted
44	08/24/2021	23:08:17.020	OUT106	Asserted
43	08/24/2021	23:08:17.020	51P1	Asserted
42	08/24/2021	23:08:17.511	OUT106	Deasserted
41	08/24/2021	23:08:17.511	51P1	Deasserted
40	08/24/2021	23:08:17.541	OUT106	Asserted
39	08/24/2021	23:08:17.541	51P1	Asserted
38	08/24/2021	23:08:17.671	OUT106	Deasserted
37	08/24/2021	23:08:17.671	51P1	Deasserted
36	08/24/2021	23:08:17.691	OUT106	Asserted
35	08/24/2021	23:08:17.691	51P1	Asserted
34	08/24/2021	23:08:20.166	OUT106	Deasserted
33	08/24/2021	23:08:20.166	51P1	Deasserted

32	08/24/2021	23:08:20.176	OUT106	Asserted
31	08/24/2021	23:08:20.176	51P1	Asserted
30	08/24/2021	23:08:20.206	OUT106	Deasserted
29	08/24/2021	23:08:20.206	51P1	Deasserted
28	08/24/2021	23:08:20.306	OUT106	Asserted
27	08/24/2021	23:08:20.306	51P1	Asserted
26	08/24/2021	23:18:35.758	TRIP3P	Asserted
25	08/24/2021	23:18:35.758	OUT105	Asserted
24	08/24/2021	23:18:35.758	51P1T	Asserted
23	08/24/2021	23:18:35.778	PINC	Deasserted
22	08/24/2021	23:18:35.788	OUT106	Deasserted
21	08/24/2021	23:18:35.788	51P1	Deasserted
20	08/24/2021	23:18:35.793	52A3P	Deasserted
19	08/24/2021	23:18:35.793	SV30	Asserted
18	08/24/2021	23:18:35.808	OUT105	Deasserted
17	08/24/2021	23:18:35.808	51P1T	Deasserted
16	08/24/2021	23:18:36.560	TRIP3P	Deasserted
15	08/24/2021	23:29:58.682	IN102	Asserted
14	08/24/2021	23:29:58.687	CLOSE3P	Asserted
13	08/24/2021	23:29:58.737	PINC	Asserted
12	08/24/2021	23:29:58.737	CLOSE3P	Deasserted
11	08/24/2021	23:29:58.742	52A3P	Asserted
10	08/24/2021	23:29:58.742	SV30	Deasserted
9	08/24/2021	23:30:03.186	IN102	Deasserted
8	08/24/2021	23:32:05.304	OUT106	Asserted
7	08/24/2021	23:32:05.304	51P1	Asserted
6	08/24/2021	23:32:05.773	OUT106	Deasserted
5	08/24/2021	23:32:05.773	51P1	Deasserted
4	08/24/2021	23:32:42.927	OUT106	Asserted
3	08/24/2021	23:32:42.927	51P1	Asserted
2	08/24/2021	23:32:42.947	OUT106	Deasserted
1	08/24/2021	23:32:42.947	51P1	Deasserted

=>

MODIFICACION DE AJUSTES DE LOS PAÑOS 52ET2 Y 52CT2

SE FRUTILLAR

REVISIÓN	ELABORÓ	REVISÓ	APROBÓ	FECHA
REV1	**CMP**			**25-08-2021**

AGOSTO 2021

ÍNDICE DE CONTENIDOS

ÍNDICE DE TABLAS

ÍNDICE DE ILUSTRACIÓN

1 INTRODUCCIÓN

El presente estudio tiene como objetivo la modificación de ajuste de las protecciones en la barra de 23 y 13,2kV (Paño 52ET2 y 52CT2), existente en S/E FRUTILLAR, para así brindar mayor seguridad al sistema eléctrico.

La modificación se enmarca en el proyecto de mejoramiento del sistema de protecciones que el grupo SAESA realiza en forma continua para cumplir con los requerimientos que la norma técnica impone a las instalaciones nuevas y existentes.

A continuación, se describen las protecciones modificadas.

Tabla 1: Protecciones analizadas en el presente Estudio.

SE Primaria	Paño	Relé Actual	Tipo	Tensión
FRUTILLAR	52ET2	SEL 351S	Propuesto	23kV
FRUTILLAR	52CT2 87T	SEL 787	Propuesto	13,2KV
FRUTILLAR	52CT2	SEL 651RA	Propuesto	13,2kV

2 ANTECEDENTES.

Para realizar este estudio se utilizó la información existente, que consistió básicamente en lo siguiente:

- Modelo DIGSILENT "ECAP SE FRUTILLAR 13.2kV".
- Datas ajustes protecciones de Transmisión 2021.
- Anexo 1. DU-Funcional-Frutillar-66kV

3 DIAGRAMAS UNILINEALES SIMPLIFICADO DE S/E FRUTILLAR.

3.1 Diagrama unilineal simplificado con relés Actual.

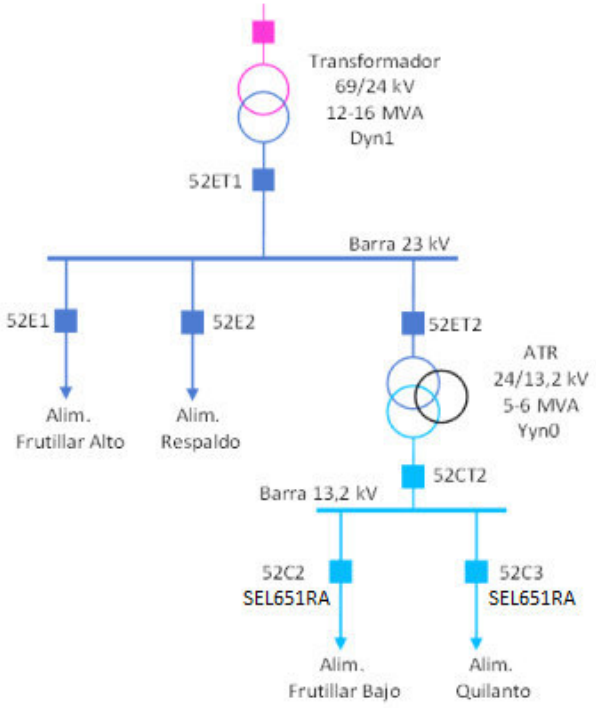


Ilustración 1: Unilineal simplificado del sistema actual.

4 AJUSTES DE PROTECCIONES

4.1 Protección de sobrecorriente 52ET2.

Tabla 2: Protección de sobrecorriente fase y residual, ET2.

Protección de Sobrecorriente de Fase de Tiempo Inverso		
	Ajuste Relé SEL351S	
	Actual	**Propuesto**
TT/CC	400/1	400/1
Tipo de Curva (51P1C)	IEC Very Inverse (C2)	IEC Very Inverse (C2)
Mínimo de operación (51P1P)	152 APRI ; 0,38 ASEC .	184 APRI ; 0,46 ASEC .
Dial Time (51P1TD)	0,68	0,54
Sumador (51P1CT) [Cyc]	--	1
T. Minimo de Resp. (51P1MR) [Cyc]	--	--
Protección de Sobrecorriente Residual de Tiempo Inverso		
	Ajuste Relé SEL351S	
TT/CC	400/1	400/1
Tipo de Curva (51G1C)	IEC Standard Inverse (C1)	IEC Standard Inverse (C1)
Mínimo de operación (51G1P)	80 APRI ; 0,20 ASEC	80 APRI ; 0,20 ASEC
Dial Time (51G1TD)	0,40	0,40
Sumador (51G1CT) [Cyc]	--	--
T. Minimo de Resp. (51G1MR) [Cyc]	--	--
Protección de Sobrecorriente de Fase de Tiempo Definido		
	Ajuste Relé SEL351S	
Mínimo de operación [50P1P]	--	--
Temporización [Cyc] [50P1D]	--	--
Protección de Sobrecorriente Residual de Tiempo Definido		
	Ajuste Relé SEL351S	
Mínimo de operación [50N1P]	--	--
Temporización [Cyc] [50N1D]	--	--

4.1.1 Curvas de cortocircuito protección paño ET2 S/E FRUTILLAR.

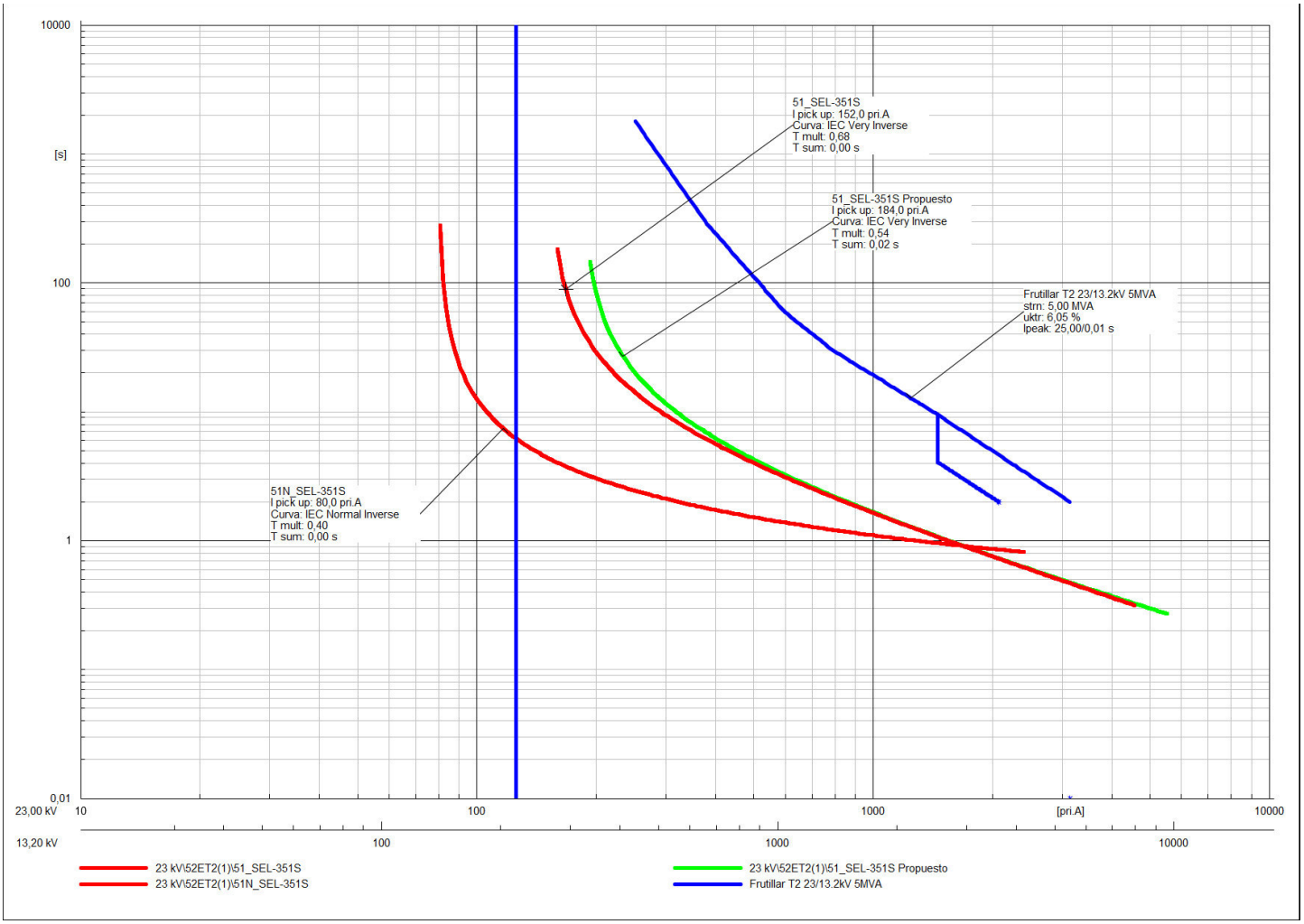


Ilustración 2:Elementos de sobrecorriente de fase y residual, paño 52ET2

4.1 Protección Diferencial.

Tabla 3: Protección de sobrecorriente fase y residual, CT2, 87T.

Protección de Sobrecorriente de Fase de Tiempo Inverso		
	Ajuste Relé SEL787	
	Actual	**Propuesto**
TT/CC	400/1	400/1
Tipo de Curva (51P2C)	IEC Very Inverse (C2)	IEC Very Inverse (C2)
Mínimo de operación (51P2P)	264 APRI ; 0,66 ASEC .	316 APRI ; 0,79 ASEC .
Dial Time (51P2TD)	0,68	0,55
Sumador (51P2CT) [Cyc]	--	1
T. Minimo de Resp. (51P2MR) [Cyc]	--	
Protección de Sobrecorriente Residual de Tiempo Inverso		
	Ajuste Relé SEL787	
TT/CC	400/1	400/1
Tipo de Curva (51G2C)	IEC Standard Inverse (C1)	IEC Standard Inverse (C1)
Mínimo de operación (51G2P)	140 APRI ; 0,35 ASEC	140 APRI ; 0,35 ASEC
Dial Time (51G2TD)	0,40	0,40
Sumador (51G2CT) [Cyc]	--	--
T. Minimo de Resp. (51G2MR) [Cyc]	--	--
Protección de Sobrecorriente de Fase de Tiempo Definido		
	Ajuste Relé SEL787	
Mínimo de operación [50P2P]	--	--
Temporización [Cyc] [50P2D]	--	--
Protección de Sobrecorriente Residual de Tiempo Definido		
	Ajuste Relé SEL787	
Mínimo de operación [50G2P]	--	--
Temporización [Cyc] [50G2D]	--	--

4.1.1 Curvas de cortocircuito protección paño CT2, 87T, S/E FRUTILLAR.

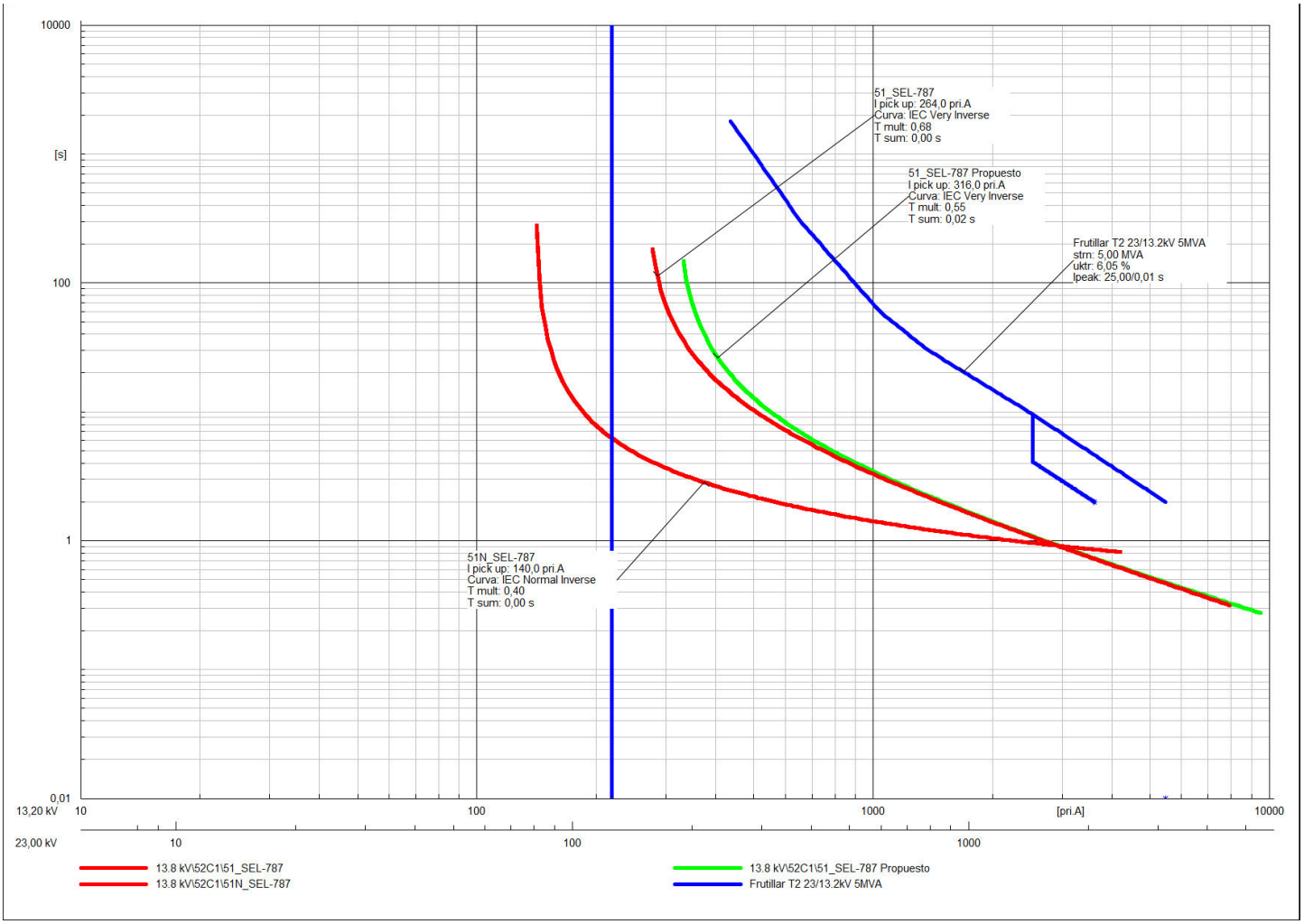


Ilustración 3:Elementos de sobrecorriente de fase y residual, paño 52CT2 87T

4.2 Protección de sobrecorriente 52CT2.

Tabla 4: Protección de sobrecorriente fase y residual, CT2.

Protección de Sobrecorriente de Fase de Tiempo Inverso		
	Ajuste Relé SEL651RA	
	Actual	**Propuesto**
TT/CC	1000/1	1000/1
Tipo de Curva (51P1JC)	IEC Very Inverse (C2)	IEC Very Inverse (C2)
Mínimo de operación (51P1JP)	260 APRI ; 0,26 ASEC .	310 APRI ; 0,31 ASEC .
Dial Time (51P1JTD)	0,68	0,55
Sumador (51P1JCT) [Cyc]	--	1
T. Minimo de Resp. (51P1JMR) [Cyc]	--	
Protección de Sobrecorriente Residual de Tiempo Inverso		
	Ajuste Relé SEL651RA	
TT/CC	1000/1	1000/1
Tipo de Curva (51G1JC)	IEC Standard Inverse (C1)	IEC Standard Inverse (C1)
Mínimo de operación (51G1JP)	140 APRI ; 0,14 ASEC	140 APRI ; 0,14 ASEC
Dial Time (51G1JTD)	0,40	0,40
Sumador (51G1JCT) [Cyc]	--	--
T. Minimo de Resp. (51G1JMR) [Cyc]	--	--
Protección de Sobrecorriente de Fase de Tiempo Definido		
	Ajuste Relé SEL651RA	
Mínimo de operación [50P1P]	--	--
Temporización [Cyc] [50P1D]	--	--
Protección de Sobrecorriente Residual de Tiempo Definido		
	Ajuste Relé SEL651RA	
Mínimo de operación [50N1P]	--	--
Temporización [Cyc] [50N1D]	--	--

4.2.1 Curvas de cortocircuito protección paño CT2 S/E FRUTILLAR.

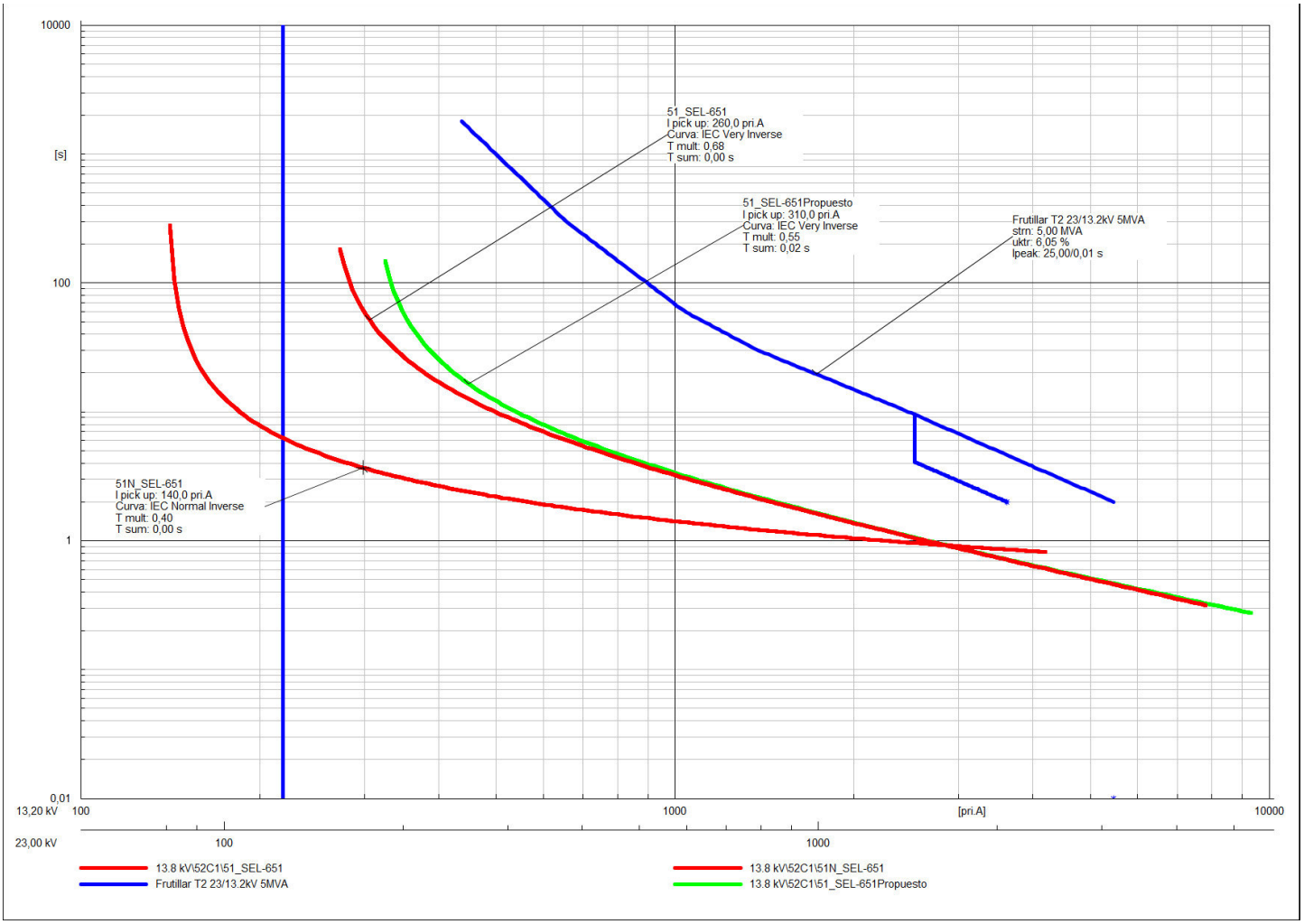


Ilustración 4:Elementos de sobrecorriente de fase y residual, paño 52CT2

5 CONCLUSIONES

El presente estudio se realizó la modificación de las protecciones de los paños 52ET2 y 52CT2 en las barras de 23 y 13,2 kV en S/E FRUTILLAR.

Tabla 5: Protecciones analizadas en estudio

SE Primaria	Paño	Relé Actual	Tipo	Tensión
FRUTILLAR	52ET2	SEL 351S	Propuesto	23kV
FRUTILLAR	52CT2 87T	SEL 787	Propuesto	13,2KV
FRUTILLAR	52CT2	SEL 651RA	Propuesto	13,2kV

Se destacan los siguientes puntos:

- Se realiza modificación de ajustes aumentando un 20% del pickup de fase en el paño 52ET2en 23kV.
- Se realiza modificación de ajustes aumentando un 20% del pickup de fase en el paño 52CT2en 13,2kV.

SEL-651RA Settings Report

Overview Information

File Name	52CT2 Dejado GRO1 ACTIVO
RDB	Frutillar T2 26-08-2021.rdb
Device	SEL-651RA
Setting Version Number	001
Part Number	0651RA01XAGAAD1A22X4XXXX
Firmware ID	SEL-651RA-R101-V0-Z001001-D20160212
SEL Boot Firmware ID	SLBT-3CF1-R300-V0-Z100100-D20150729

Settings

Settings Legend

Visible Setting
Hidden Setting
Invalid Setting

Global EZ

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Setting	Description	Range	Value
EZGRPS	# of EZ settings groups enabled	Select: (0-8)	0

Global EZ

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Global

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Setting	Description	Range	Value
NFREQ	Nominal Frequency (Hz)	Select: 50, 60	50
PHROT	Phase Rotation	Select: ABC, ACB	ABC
DATE_F	Date Format	Select: MDY, YMD, DMY	MDY
PWRDN_AC	Power-off Delay After AC Loss (mins)	Range = 1 to 1440, OFF	180
PWRDN_WU	Power-off Delay After Wake Up (mins)	Range = 1 to 1440, OFF	20
TESTBATT	Request Battery Test Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB08_PUL
FAULT	Fault Condition Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	51P1 OR 51G1 OR 50G3 OR 50P6 OR 50G6
IPCONN	I123 Terminal Conn.	Select: ABC, ACB, BAC, BCA, CAB, CBA	CBA
EGNDSW	Enable Ground Current Switch	Select: Y, N	Y
CTPOL	CT Polarity	Select: POS, NEG	POS
VYCONN	VY Terminal Connections	Select: OFF, ABC, ACB, BAC, BCA, CAB, CBA, A, B, C, AB, BC, CA	ABC
VZCONN	VZ Terminal Connections	Select: OFF, ABC, ACB, BAC, BCA, CAB, CBA, A, B, C, AB, BC, CA	OFF
VSELECT	Voltage Source Selection	Select: OFF, VY	VY
FSELECT	Frequency Source Selection	Select: OFF, VY	VY
METHRES	Meter Cutoff Threshold	Select: Y, N, E	N
EICIS	Independent Control Input Settings	Select: Y, N	N
EBMON	Breaker Monitor	Select: Y, N	N
SALARM	Alarm Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	BADPASS OR CHGPASS OR SETCHG OR GRPSW OR ACCESSP OR PASNVAL
TGR	Group Change Delay (cyc)	Range = 0 to 54000	0
SS1	Setting Group 1 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT LT10
SS2	Setting Group 2 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	LT10
SS3	Setting Group 3 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
SS4	Setting Group 4 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0

SS5	Setting Group 5 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
SS6	Setting Group 6 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
SS7	Setting Group 7 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
SS8	Setting Group 8 Selection Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RSTTRGT	Target Reset Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_DEM	Reset Demand Metering Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_PDM	Reset Peak Demand Metering Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_BK	Reset Breaker Monitoring Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_HIS	Reset History Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_ENE	Reset Energy Metering Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_MML	Reset Max/Min Metering Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RST_HAL	Reset Warning Alarm Pulsing Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
RSTDNPE	Reset DNP Event Buffer Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
EPMU	Synchronized Phasor Measurement	Select: Y, N	N
EVELOCK	Event Summary Lock Period in Seconds (seconds)	Range = 0 to 1000	0
DNPSRC	DNP Session Time Base	Select: LOCAL, UTC	UTC
IRIGC	IRIG-B Control Bits Definition	Select: NONE, C37.118	C37.118
UTC_OFF	Offset from UTC (hr)	Range = -24,00 to 24,00	0,00
DST_BEGM	Month To Begin DST	Range = 1 to 12, NA	NA

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Group 1

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Setting	Description	Range	Value
RID	Relay Identifier (30 chars)	Range = ASCII string with a maximum length of 30.	52CT2
TID	Terminal Identifier (30 chars)	Range = ASCII string with a maximum length of 30.	FRUTILLAR
CTR	Phase (IA,IB,IC) CT Ratio	Range = 1,0 to 6000,0	1000,0
CTRN	Neutral (IN) CT Ratio	Range = 1,0 to 6000,0	1000,0
PTRY	Y-side PT ratio (300 V base)	Range = 1,00 to 10000,00	120,00
PTRZ	Z-side PT ratio (300 V base)	Range = 1,00 to 10000,00	120,00
VNOM	Nominal L-N Volt, VSELECT side (V, sec)	Range = 25,00 to 300,00	69,20
E50P	Phase	Select: N, 1-6	6
E50G	Ground	Select: N, 1-6	6
E50Q	Negative-Sequence	Select: N, 1-6	N
E51P1	Maximum-Phase 1	Select: N, 1, 2	1
E51P2	Maximum-Phase 2	Select: N, 1, 2	N
E51G1	Ground 1	Select: N, 1, 2	1
E51G2	Ground 2	Select: N, 1, 2	N
E51Q	Negative-Sequence	Select: N, 1, 2	N
ELOAD	Load Encroachment	Select: Y, N	N
E32	Directional Control	Select: Y, AUTO, N	N
EVOLT	Voltage Element Enable	Select: N, VY, VZ, BOTH	VY
E81	Frequency Elements	Select: N, 1-6	N
E81R	Rate-of-Change-of-Frequency Elements	Select: N, 1-4	N
EFLOC	Fault Location	Select: Y, N	N
ELOP	Loss-Of-Potential	Select: Y, Y1, N	Y
EPWR	Power Elements	Select: N, 3P1, 3P2, 3P3, 3P4	N
E25	Synchronism Check	Select: Y, N	N
E79	Reclosures	Select: N, 1-4	N
ESOTF	Switch-Onto-Fault	Select: Y, N	N
EDEM	Demand Metering	Select: THM, ROL	THM
ESSI	Voltage Sag/Swell/Interruption	Select: Y, N	N
EHIF	High-Impedance Fault Detection	Select: Y, N, T	N
EHBL2	Second Harmonic Blocking	Select: Y, N	N
EMV	Math Variable Settings	Range = 1 to 64, N	21
Z1MAG	Pos-Seq Line Impedance Mag. (Ohm,sec)	Range = 0,50 to 2550,00	10,00
Z1ANG	Pos-Seq Line Impedance Angle (deg)	Range = 5,00 to 90,00	80,00
Z0MAG	Zero-Seq Line Impedance Mag. (Ohm,sec)	Range = 0,50 to 2550,00	10,00
Z0ANG	Zero-Seq Line Impedance Angle (deg)	Range = 5,00 to 90,00	80,00
LL	Line Length - Unitless	Range = 0,10 to 999,00	100,00

50P1P	Level 1 (Amp, sec)	Range = 0,05 to 20,00, OFF	OFF
50P2P	Level 2 (Amp, sec)	Range = 0,05 to 20,00, OFF	OFF
50P3P	Level 3 (Amp, sec)	Range = 0,05 to 20,00, OFF	OFF
50P4P	Level 4 (Amp, sec)	Range = 0,05 to 20,00, OFF	OFF
50P5P	Level 5 (Amp, sec)	Range = 0,05 to 20,00, OFF	OFF
50P6P	Level 6 (Amp, sec)	Range = 0,05 to 20,00, OFF	0,31
50P1D	Level 1 (cycle)	Range = 0,00 to 16000,00	0,00
50P2D	Level 2 (cycle)	Range = 0,00 to 16000,00	0,00
50P3D	Level 3 (cycle)	Range = 0,00 to 16000,00	0,00
50P4D	Level 4 (cycle)	Range = 0,00 to 16000,00	0,00
50P1TC	Level 1 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50A1TC	Level 1 A-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50B1TC	Level 1 B-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50C1TC	Level 1 C-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50P2TC	Level 2 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50A2TC	Level 2 A-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50B2TC	Level 2 B-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50C2TC	Level 2 C-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50P3TC	Level 3 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50A3TC	Level 3 A-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50B3TC	Level 3 B-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50C3TC	Level 3 C-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1

50P4TC	Level 4 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50A4TC	Level 4 A-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50B4TC	Level 4 B-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50C4TC	Level 4 C-phase Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
50G1P	Level 1, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	OFF
50G2P	Level 2, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	OFF
50G3P	Level 3, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	OFF
50G4P	Level 4, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	OFF
50G5P	Level 5, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	OFF
50G6P	Level 6, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	0,140
50G1D	Level 1 (cycle)	Range = 0,00 to 16000,00	0,00
50G2D	Level 2 (cycle)	Range = 0,00 to 16000,00	0,00
50G3D	Level 3 (cycle)	Range = 0,00 to 16000,00	0,00
50G4D	Level 4 (cycle)	Range = 0,00 to 16000,00	0,00
50G1TC	Level 1 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	MV09 <= 79SH3P AND MV09 >= 0.00 AND LT01 # HLG AND GROUND ENABLED
50G2TC	Level 2 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	((MV07 <= 79SH3P OR 79SH3P < 0.00) AND MV07 >= 0.00) AND LT01 # HTG AND GROUND ENABLED
50G3TC	Level 3 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	MV05 >= 0.00 AND LT01 AND NOT (51P1 OR 51G1) AND (NOT SV12 OR 50G5)
50G4TC	Level 4 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
51P1JP	Pickup (Amp, sec)	Range = 0,05 to 3,20, OFF	0,31
51P1JC	Curve	Select: U1-U5, C1-C5, Recloser-Curves	C2

51P1JTD	Time Dial	Range = 0,05 to 1,00	0,55
51P1JRS	EM Reset Delay	Select: Y, N	N
51P1JCT	Constant Time Adder (cycle)	Range = 0,00 to 60,00	1,00
51P1JMR	Minimum Response (cycle)	Range = 0,00 to 60,00	0,00
51P1TC	51P1 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	1
51G1JP	Pickup, IN Base (Amp, sec)	Range = 0,005 to 3,200, OFF	0,140
51G1JC	Curve	Select: U1-U5, C1-C5, Recloser-Curves	C1
51G1JTD	Time Dial	Range = 0,05 to 1,00	0,40
51G1JRS	EM Reset Delay	Select: Y, N	N
51G1JCT	Constant Time Adder (cycle)	Range = 0,00 to 60,00	0,00
51G1JMR	Minimum Response (cycle)	Range = 0,00 to 60,00	0,00
51G1TC	51G1 Torque Control Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	LT01
27Y P1P	Phase Undervoltage Pickup (V, sec)	Range = 1,00 to 300,00, OFF	OFF
27Y P2P	Phase Undervoltage Pickup (V, sec)	Range = 1,00 to 300,00, OFF	OFF
27Y PP1P	Phase-Phase Undervolt. PU (V, sec)	Range = 1,76 to 520,00, OFF	OFF
59Y P1P	Phase Overvoltage Pickup (V, sec)	Range = 1,00 to 300,00, OFF	OFF
59Y P2P	Phase Overvoltage Pickup (V, sec)	Range = 1,00 to 300,00, OFF	55,00
59Y PP1P	Phase-Phase Overvoltage PU (V, sec)	Range = 1,76 to 520,00, OFF	OFF
59Y N1P	Zero-Seq(3V0) Overvolt. PU (V, sec)	Range = 2,00 to 300,00, OFF	OFF
59Y N2P	Zero-Seq(3V0) Overvolt. PU (V, sec)	Range = 2,00 to 300,00, OFF	OFF
59Y Q1P	Neg-Seq(V2) Overvoltage PU (V, sec)	Range = 2,00 to 300,00, OFF	OFF
59Y V1P	Pos-Seq(V1) Overvoltage PU (V, sec)	Range = 2,00 to 300,00, OFF	OFF
3POD	Three-Pole Open Time Delay (cycle)	Range = 0,00 to 60,00	0,50
50LP	Load Detection Phase PU (Amp, sec)	Range = 0,05 to 1,00	0,05
DMTC	Time Constant (mins)	Select: 5, 10, 15, 30, 60	5
PDEMP	Phase Pickup (Amp, sec)	Range = 0,10 to 3,20, OFF	OFF
GDEMP	Ground, IN Base (Amp, sec)	Range = 0,005 to 3,200, OFF	OFF
QDEMP	Negative-Sequence Pickup (Amp, sec)	Range = 0,10 to 3,20, OFF	OFF
50GHIZP	50G HIZ Overcurrent Pickup, IN Base (Amp, sec)	Range = 0,005 to 20,000, OFF	OFF
MV01	Math Variable	Range = -16000,00 to 16000,00	2,00

MV02	Math Variable	Range = -16000,00 to 16000,00	2,00
MV03	Math Variable	Range = -16000,00 to 16000,00	3,00
MV04	Math Variable	Range = -16000,00 to 16000,00	3,00
MV05	Math Variable	Range = -16000,00 to 16000,00	-1,00
MV06	Math Variable	Range = -16000,00 to 16000,00	-1,00
MV07	Math Variable	Range = -16000,00 to 16000,00	-1,00
MV08	Math Variable	Range = -16000,00 to 16000,00	-1,00
MV09	Math Variable	Range = -16000,00 to 16000,00	-1,00
MV10	Math Variable	Range = -16000,00 to 16000,00	0,00
MV11	Math Variable	Range = -16000,00 to 16000,00	0,00
MV12	Math Variable	Range = -16000,00 to 16000,00	0,00
MV13	Math Variable	Range = -16000,00 to 16000,00	0,00
MV14	Math Variable	Range = -16000,00 to 16000,00	0,00
MV15	Math Variable	Range = -16000,00 to 16000,00	0,00
MV16	Math Variable	Range = -16000,00 to 16000,00	0,00
MV17	Math Variable	Range = -16000,00 to 16000,00	0,00
MV18	Math Variable	Range = -16000,00 to 16000,00	1,00
MV19	Math Variable	Range = -16000,00 to 16000,00	0,00
MV20	Math Variable	Range = -16000,00 to 16000,00	0,00
MV21	Math Variable	Range = -16000,00 to 16000,00	1,00
TDURD	Minimum Trip Duration Time (cycle)	Range = 4,00 to 16000,00	40,00
TR3P	Three-phase tripping conditions Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	51P1T OR 51G1T OR 50P1T OR 50G1T OR SV03T AND NOT LT03 OR OC3 OR IN101
TR3X	Three-phase tripping conditions-Extra Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT (LT06) AND (50P6 OR 50G6) AND MV21 = 1.00
TRQL3P	Three-phase Trip conditions qualified by disturbance detection Equation (SELogic)	Valid range = The legal operators: AND OR NOT	0

		R_TRIG F_TRIG	
ULTR3P	Unlatch trip conditions Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT 52A3P
CFD	Close Failure Time Delay (cycle)	Range = 0,00 to 16000,00, OFF	60,00
52A_3P	Three-phase breaker status Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	SW1 AND NOT (RCCL1X)
CL3P	Three-phase close conditions Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(SV02T AND LT05 AND NOT LT03 OR CC3 AND LT03 OR R_TRIG IN102 AND LT03) AND LT06 AND TCCAP
ULCL3P	Three-phase unlatch close conditions Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRIP3P OR (NOT IN201 AND SW1) OR NOT (LT06 AND TCCAP OR CLOSE3P) OR NOT (LT05 OR CLOSE3P OR (CC3 AND LT03 OR R_TRIG IN102 AND LT03) OR 79CY3P)
RCTR1	Pole 1 Trip Mapping Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRIP3P
RCCL1	Pole 1 Close Mapping Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	CLOSE3P

Group 1

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Logic 1

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Setting	Description	Range	Value
ELAT	SELogic Latches	Range = 1 to 32, N	16
ESV	SELogic Variables/Timers	Range = 1 to 64, N	36
ESC	SELogic Counters	Range = 1 to 16, N	1
SET01	Set Latch Bit 01 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB01_PUL AND LT05 OR RB02 AND LT03) AND NOT LT01 # GROUND ENABLED
RST01	Reset Latch Bit 01 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB01_PUL AND LT05 OR RB01 AND LT03) AND LT01
SET02	Set Latch Bit 02 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB02_PUL AND LT05 AND NOT LT03 OR RB04 AND LT03 OR R_TRIG IN107 AND LT03) AND NOT LT02 AND LT06 # RECLOSE ENABLED
RST02	Reset Latch Bit 02 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB02_PUL AND LT05 AND NOT LT03 OR RB03 AND LT03 OR R_TRIG IN107 AND LT03) AND LT02 OR NOT LT06 OR 79SH3P = -1.00 # LAST TERM IS RECLOSING RELAY DEFEATED
SET03	Set Latch Bit 03 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB03_PUL AND NOT (LT03) AND LT05 #REMOTE ENABLED
RST03	Reset Latch Bit 03 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB03_PUL AND LT03 AND LT05
SET04	Set Latch Bit 04 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB05_PUL AND LT05 OR RB08 AND LT03) AND NOT LT04 #FAST CURVE ENABLED
RST04	Reset Latch Bit 04 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB05_PUL AND LT05 OR RB07 AND LT03) AND LT04

SET05	Set Latch Bit 05 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	R_TRIG SC01QU AND NOT (LT05) # LOCK PUSH BUTTONS, MUST PRESS FOR THREE SECONDS (LOCKED WHEN LT05 DEASSERTED)
RST05	Reset Latch Bit 05 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	R_TRIG SC01QU AND LT05
SET06	Set Latch Bit 06 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB07_PUL AND LT05 AND NOT LT03 OR RB10 AND LT03 OR R_TRIG IN106 AND LT03) AND NOT LT06 #HOT LINE TAG (WHEN LT06 DEASSERTED)
RST06	Reset Latch Bit 06 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB07_PUL AND LT05 AND NOT LT03 OR RB09 AND LT03 OR R_TRIG IN106 AND LT03) AND LT06
SET07	Set Latch Bit 07 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
RST07	Reset Latch Bit 07 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
SET08	Set Latch Bit 08 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB09_PUL AND NOT (LT08) AND LT05 #AUX 1
RST08	Reset Latch Bit 08 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB09_PUL AND LT08 AND LT05
SET09	Set Latch Bit 09 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB10_PUL AND NOT (LT09) AND LT05 #AUX 2
RST09	Reset Latch Bit 09 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PB10_PUL AND LT09 AND LT05
SET10	Set Latch Bit 10 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB04_PUL AND LT05 OR RB11 AND LT03) AND NOT LT10 # ALTERNATIVO HABILITADO
RST10	Reset Latch Bit 10 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB04_PUL AND LT05 OR RB12 AND LT03) AND LT10 # ALTERNATIVO

			HABILITADO
SET11	Set Latch Bit 11 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRIP3P
RST11	Reset Latch Bit 11 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRGTR
SET12	Set Latch Bit 12 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PHASE_A
RST12	Reset Latch Bit 12 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRGTR
SET13	Set Latch Bit 13 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PHASE_B
RST13	Reset Latch Bit 13 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRGTR
SET14	Set Latch Bit 14 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	PHASE_C
RST14	Reset Latch Bit 14 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRGTR
SET15	Set Latch Bit 15 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	51G1T
RST15	Reset Latch Bit 15 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRGTR
SET16	Set Latch Bit 16 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	50G3T
RST16	Reset Latch Bit 16 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	TRGTR
SV01PU	SV01 Timer Pickup (cyc)	Range = 0,00 to 999999,00	29,75
SV01DO	SV01 Timer Dropout (cyc)	Range = 0,00 to 999999,00	29,75
SV01	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT (SV01T) AND (PB06 OR SV02 OR SV03) #1 HZ BLINK GENERATOR FOR LOCK PUSH BUTTON
SV02PU	SV02 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV02DO	SV02 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
			(PB11_PUL AND NOT SV02 OR NOT PB11_PUL AND SV02) AND NOT PB12_PUL AND

SV02	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT SV02T AND NOT (CLOSE3P OR ULCL3P) AND NOT SV03 AND LT05 AND LT06 # CLOSE PUSHBUTTON DELAY
SV03PU	SV03 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV03DO	SV03 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV03	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(PB12_PUL AND NOT SV03 OR NOT PB12_PUL AND SV03) AND NOT PB11_PUL AND NOT SV03T AND NOT SV02 AND NOT SV04 #TRIP PUSHBUTTON DELAY
SV04PU	SV04 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV04DO	SV04 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV04	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	SV02 #DELAY ELEMENT FOR SV03 LOGIC
SV05PU	SV05 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV05DO	SV05 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV05	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	52A3P AND (SV08 OR SV10 OR SV12) AND (MV12 <> 0.00 OR MV13 <> 0.00 OR MV14 <> 0.00) # RESTORE MINIMUM TRIPS, LIMIT (COLD-LOAD SCHEME)
SV06PU	SV06 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV06DO	SV06 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV06	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT 52A3P AND (79LO3P OR 79SH3P = -1.00) AND (MV10 <> 0.00 OR MV11 <> 0.00) # LOSS OF LOAD DIVERSITY (COLD-LOAD SCHEME)
SV07PU	SV07 Timer Pickup (cyc)	Range = 0,00 to 999999,00	900,00
SV07DO	SV07 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV07	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	52A3P AND NOT 50P6 AND SV08 # PHASE CURRENT BELOW MIN. TRIP (COLD-LOAD

			SCHEME)
SV08PU	SV08 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV08DO	SV08 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV08	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(SV08 OR SV06T) AND NOT (SV07T OR SV05T AND MV12 <> 0.00 OR MV10 = 0.00) # COLD-LOAD ACTIVE - PHASE (COLD-LOAD SCHEME)
SV09PU	SV09 Timer Pickup (cyc)	Range = 0,00 to 999999,00	900,00
SV09DO	SV09 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV09	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	52A3P AND NOT 50G6 AND SV10 # GROUND CURRENT BELOW MIN. TRIP (COLD-LOAD SCHEME)
SV10PU	SV10 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV10DO	SV10 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV10	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(SV10 OR SV06T) AND NOT (SV09T OR SV05T AND MV13 <> 0.00 OR MV11 = 0.00) # COLD-LOAD ACTIVE - GROUND (COLD-LOAD SCHEME)
SV11PU	SV11 Timer Pickup (cyc)	Range = 0,00 to 999999,00	900,00
SV11DO	SV11 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV11	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	52A3P AND NOT 50G4 AND SV12 # SEF CURRENT BELOW MIN. TRIP (COLD-LOAD SCHEME)
SV12PU	SV12 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV12DO	SV12 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV12	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(SV12 OR SV06T) AND NOT (SV11T OR SV05T AND MV14 <> 0.00 OR MV11 = 0.00) # COLD-LOAD ACTIVE - SEF (COLD-LOAD SCHEME)
SV13PU	SV13 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV13DO	SV13 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
			51P1T OR 51G1T

SV13	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	OR 50P2T OR 50G2T #ANY OVERCURRENT ELEMENT TRIP, EXCEPT SEF (DTL LOGIC)
SV14PU	SV14 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV14DO	SV14 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV14	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	81D1T OR 81D2T OR 81D3T
SV15PU	SV15 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV15DO	SV15 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV15	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	R_TRIG SV13 AND (SV17 AND 50G6 AND (MV16 <> 0.00 OR NOT 50P6) OR SV16 AND 50P6 AND (MV16 = 0.00 OR NOT 50G6)) # INTERMEDIATE (DTL LOGIC)
SV16PU	SV16 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV16DO	SV16 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV16	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	MV03 <= 79SH3P AND MV03 >= 0.00 #OLP
SV17PU	SV17 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV17DO	SV17 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV17	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	MV04 <= 79SH3P AND MV04 >= 0.00 #OLG
SV18PU	SV18 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV18DO	SV18 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV18	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	25A1 OR MV20 = 0.00 #SYNCHRONISM OR SYNCH CHECK DISABLED
SV19PU	SV19 Timer Pickup (cyc)	Range = 0,00 to 999999,00	360,00
SV19DO	SV19 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV19	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	((27YA1 AND 50LA) OR (27YB1 AND 50LB) OR (27YC1 AND 50LC)) AND (MV17 >= 1.00) #LEVEL 1 - UNDERVOLTAGE TRIP SOURCE = VY
SV20PU	SV20 Timer Pickup (cyc)	Range = 0,00 to 999999,00	360,00
SV20DO	SV20 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00

SV20	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	((27ZA1 AND 50LA) OR (27ZB1 AND 50LB) OR (27ZC1 AND 50LC)) AND (MV17 <= -1.00) #LEVEL 1 - UNDERVOLTAGE TRIP SOURCE = VZ
SV21PU	SV21 Timer Pickup (cyc)	Range = 0,00 to 999999,00	360,00
SV21DO	SV21 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV21	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	((27YA2 AND 50LA) OR (27YB2 AND 50LB) OR (27YC2 AND 50LC)) AND (MV17 = 2.00) #LEVEL 2 - UNDERVOLTAGE TRIP SOURCE = VY
SV22PU	SV22 Timer Pickup (cyc)	Range = 0,00 to 999999,00	360,00
SV22DO	SV22 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV22	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	((27ZA2 AND 50LA) OR (27ZB2 AND 50LB) OR (27ZC2 AND 50LC)) AND (MV17 = -2.00) #LEVEL 2 - UNDERVOLTAGE TRIP SOURCE = VZ
SV23PU	SV23 Timer Pickup (cyc)	Range = 0,00 to 999999,00	360,00
SV23DO	SV23 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV23	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	(59YA1 OR 59YB1 OR 59YC1) AND (MV19 >= 1.00) OR (59ZA1 OR 59ZB1 OR 59ZC1) AND (MV19 <= -1.00) # LEVEL 1 - OVERVOLTAGE TRIP
SV24PU	SV24 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV24DO	SV24 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV24	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	SV19T OR SV20T OR SV21T OR SV22T OR SV23T
SV25PU	SV25 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV25DO	SV25 Timer Dropout (cyc)	Range = 0,00 to 999999,00	180,00
SV25	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	DISTST # BATTERY DISCHARGE TEST
SV26PU	SV26 Timer Pickup (cyc)	Range = 0,00 to 999999,00	29,75
SV26DO	SV26 Timer Dropout (cyc)	Range = 0,00 to 999999,00	29,75
			NOT (SV26T) AND

SV26	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	SV25T #FLASH FOR BATTERY DISCHARGE TEST IN PROGRESS
SV27PU	SV27 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV27DO	SV27 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV27	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT (SV25T) AND BTFAIL # BATTERY FAILED THE DISCHARGE TEST
SV28PU	SV28 Timer Pickup (cyc)	Range = 0,00 to 999999,00	3600,00
SV28DO	SV28 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV28	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	((F_TRIG SV25T AND NOT BTFAIL) OR SV28) AND NOT (DISTST OR SV28T) # BATTERY PASSED THE DISCHARGE TEST
SV29PU	SV29 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV29DO	SV29 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV29	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT SW1
SV30PU	SV30 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV30DO	SV30 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV30	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT 52A3P
SV31PU	SV31 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV31DO	SV31 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV31	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT LT02
SV32PU	SV32 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV32DO	SV32 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV32	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT LT06
SV33PU	SV33 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV33DO	SV33 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV33	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT TCCAP
SV34PU	SV34 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV34DO	SV34 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV34	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT LT01

SV35PU	SV35 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV35DO	SV35 Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV35	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT LT03
SV36PU	SV36 Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV36DO	SV36 Timer Dropout (cyc)	Range = 0,00 to 999999,00	100,00
SV36	Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	SALARM
SC01PV	SC01 Preset Value, unitless	Range = 1 to 65000	3
SC01R	SC01 Reset Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT (PB06)
SC01LD	SC01 Load PV Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
SC01CU	SC01 Count-Up Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	SV01T #COUNT THE BLINKS FOR LOCK PUSH BUTTONS CONTROL
SC01CD	SC01 Count-Down Input Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
OUT101	Output Contact 101 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	LT03
OUT102	Output Contact 102 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
OUT103	Output Contact 103 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
OUT104	Output Contact 104 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
OUT105	Output Contact 105 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	51P1T OR 51G1T OR 50P1T OR 50G1T
OUT106	Output Contact 106 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	51P1 OR 51G1 # LOGICA ADAPTIVA
OUT107	Output Contact 107 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT LT06
OUT108	Output Contact 108 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	LT02
OUT201	Output Contact 201 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT (SALARM OR HALARM)

OUT202	Output Contact 202 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NOT (SALARM OR HALARM)
TMB1A	Channel A, transmit bit 1 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB2A	Channel A, transmit bit 2 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB3A	Channel A, transmit bit 3 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB4A	Channel A, transmit bit 4 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB5A	Channel A, transmit bit 5 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB6A	Channel A, transmit bit 6 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB7A	Channel A, transmit bit 7 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB8A	Channel A, transmit bit 8 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB1B	Channel B, transmit bit 1 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB2B	Channel B, transmit bit 2 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB3B	Channel B, transmit bit 3 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB4B	Channel B, transmit bit 4 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB5B	Channel B, transmit bit 5 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB6B	Channel B, transmit bit 6 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB7B	Channel B, transmit bit 7 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
TMB8B	Channel B, transmit bit 8 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
PMTRIG	PMU Trigger Equation (SELogic)	Valid range = The legal operators: AND OR NOT	0

		R_TRIG F_TRIG	
TREA1	Trigger Reason Bit 1 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
TREA2	Trigger Reason Bit 2 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
TREA3	Trigger Reason Bit 3 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0
TREA4	Trigger Reason Bit 4 Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	0

Logic 1

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Report

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Setting	Description	Range	Value
SER1	Sequential Events Recorder 1, 24 Elements Max. (Enter NA to Null)	Valid range = 0, NA or a list of relay elements.	TRIP3P, 51P1T, 51G1T, 51G1, 51P1, 50P1, 50P1T, 50G1, 50G1T, SV14, SV03T, SV26T, PB11, PB12, SV30, SV31, SV32, SV33, SV34, SV36T
SER2	Sequential Events Recorder 2, 24 Elements Max. (Enter NA to Null)	Valid range = 0, NA or a list of relay elements.	52A3P, CF3P, 79RS3P, 79CY3P, 79LO3P, RCSF3P, SH03P, SH13P, SH23P, SH33P, SH43P, CC3, SV02T, OC3, RB04, RB09, RB10, RB11, RB12, CLOSE3P
SER3	Sequential Events Recorder 3, 24 Elements Max. (Enter NA to Null)	Valid range = 0, NA or a list of relay elements.	PWR_SRC1, TOSLP, SG1, SG2, LT01, LT02, LT03, LT04, LT06, SV08, SV10, SV12, LT05, CC3, OC3, HALARM, SALARM, HALARMA, HALARML, IN106, IN107, RB01, RB02, RB03
SER4	Sequential Events Recorder 4, 24 Elements Max. (Enter NA to Null)	Valid range = 0, NA or a list of relay elements.	OUT105, OUT106, OUT107, OUT108, OUT201, OUT202, OUT104, IN101, IN102, IN103, IN104, PB01, PB02, PB03, PB05, PB07, PB01_PUL, PB02_PUL, PB03_PUL, PB05_PUL, PB07_PUL, TCCAP, PINBD, PINC
ER	Event Report Trigger Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	R_TRIG 51P1 OR R_TRIG 51G1 OR R_TRIG 50G3 OR 79LO3P
LER	Length of Event Report (cyc)	Select: 15, 30, 60	60
PRE	Cycle Length of Prefault in Event Report	Range = 1 to 59	15

LDLIST	Load Profile List (15 Elements Max., Enter NA to null)	Valid range = 0, NA or a list of relay elements.	IA, IB, IC, IG, 3I0, 3I2, I1
LDAR	LDP Acquisition Rate (mins)	Select: 5, 10, 15, 30, 60	15
HIFLER	Length of HIF Event Report (mins)	Select: 2, 5, 10, 20	10
HIFER	HIF Event Report Trigger Equation (SELogic)	Valid range = The legal operators: AND OR NOT R_TRIG F_TRIG	NA
Report			

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SEL-351S-6 Settings Report

Overview Information

File Name	52ET2 Dejado GRO1 ACTIVO
RDB	Frutillar T2 26-08-2021.rdb
Device	SEL-351S-6
Setting Version Number	106
Part Number	0351S6X HB4E1422
Firmware ID	SEL-351S-6-R516-V1-Z106105-D20170818
SEL Boot Firmware ID	SLBT-3CF1-R200-V0-Z100100-D20120321

Settings

Settings Legend

Visible Setting
Hidden Setting
Invalid Setting

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Setting	Description	Range	Value
RID	Relay Identifier (30 chars)	Range = ASCII string with a maximum length of 30.	-F51-ET2
TID	Terminal Identifier (30 chars)	Range = ASCII string with a maximum length of 30.	FRUTILLAR
CTR	Phase (IA,IB,IC) CT Ratio	Range = 1 to 6000	400
CTRN	Neutral (IN) CT Ratio	Range = 1 to 10000	400
PTR	Phase (VA,VB,VC) PT Ratio	Range = 1,00 to 10000,00	200,00
PTRS	Synch. Voltage (VS) PT Ratio	Range = 1,00 to 10000,00	200,00
VNOM	Phase Nominal Voltage L-N (V,sec)	Range = 25,00 to 300,00, OFF	69,28
Z1MAG	Pos-Seq Line Impedance Mag. (Ohm,sec)	Range = 0,50 to 2550,00	10,00
Z1ANG	Pos-Seq Line Impedance Angle (deg)	Range = 5,00 to 90,00	80,00
Z0MAG	Zero-Seq Line Impedance Mag. (Ohm,sec)	Range = 0,50 to 2550,00	10,00
Z0ANG	Zero-Seq Line Impedance Angle (deg)	Range = 5,00 to 90,00	80,00
LL	Line Length - unitless	Range = 0,10 to 999,00	10,00
EFLOC	Fault Location	Select: Y, N	N
E50P	Phase	Select: N, 1-6	N
E50N	Neutral Ground(channel IN)	Select: N, 1-6	N
E50G	Residual Ground	Select: N, 1-6	N
E50Q	Negative-Sequence	Select: N, 1-6	N
E51P	Phase	Select: N, 1, 2	1
51P1P	Pickup (A,sec)	Range = 0,05 to 3,20, OFF	0,46
51P1C	Curve	Select: U1-U5, C1-C5, Recloser-Curves	C2
51P1TD	Time Dial	Range = 0,05 to 1,00	0,54
51P1RS	EM Reset Delay	Select: Y, N	N
51P1CT	Constant time adder (cyc)	Range = 0,00 to 60,00	1,00
51P1MR	Minimum response (cyc)	Range = 0,00 to 60,00	0,00
E51N	Neutral Ground(channel IN)	Select: N, 1, 2	N
E51G	Residual Ground	Select: N, 1, 2	1
51G1P	Pickup (A,sec)	Range = 0,02 to 3,20, OFF	0,20
51G1C	Curve	Select: U1-U5, C1-C5, Recloser-Curves	C1
51G1TD	Time Dial	Range = 0,05 to 1,00	0,40
51G1RS	EM Reset Delay	Select: Y, N	N
51G1CT	Constant time adder (cyc)	Range = 0,00 to 60,00	0,00
51G1MR	Minimum response (cyc)	Range = 0,00 to 60,00	0,00
E51Q	Negative-Sequence	Select: Y, N	N
E50BF	Breaker Failure	Select: Y, N	N
EHBL2	Second Harmonic Blocking	Select: Y, N	N

ELOAD	Load Encroachment	Select: Y, N	N
E32	Directional Control	Select: AUTO, Y, N	Y
ELOP	Loss-Of-Potential	Select: Y, Y1, N	Y
DIR1	Level 1	Select: F, R, N	N
DIR2	Level 2	Select: F, R, N	N
DIR3	Level 3	Select: F, R, N	N
DIR4	Level 4	Select: F, R, N	N
ORDER	Ground Dir. Priority	Select: I, Q, V, OFF	QV
50P32P	Phase Dir. Element 3-Phase PU (A,sec)	Range = 0,10 to 2,00	0,10
Z2F	Forward Dir. Z2 Threshold (Ohm,sec)	Range = -640,00 to 640,00	1,80
Z2R	Reverse Dir. Z2 Threshold (Ohm,sec)	Range = -640,00 to 640,00	2,80
50QFP	Forward Dir. 3I2 Pickup (A,sec)	Range = 0,05 to 1,00	0,10
50QRP	Reverse Dir. 3I2 Pickup (A,sec)	Range = 0,05 to 1,00	0,05
a2	Pos-Seq Restraint Factor, I2/I1	Range = 0,02 to 0,50	0,10
k2	Zero-Seq Restraint Factor, I2/I0	Range = 0,10 to 1,20	0,20
50GFP	Forward Dir. 3I0 Pickup (A,sec)	Range = 0,01 to 1,00	0,10
50GRP	Reverse Dir. 3I0 Pickup (A,sec)	Range = 0,01 to 1,00	0,05
a0	Pos-Seq Restraint Factor, I0/I1	Range = 0,02 to 0,50	0,10
Z0F	Forward Dir. Z0 Threshold (Ohm,sec)	Range = -640,00 to 640,00	4,40
Z0R	Reverse Dir. Z0 Threshold (Ohm,sec)	Range = -640,00 to 640,00	5,40
Z0MTA	Zero-Seq Max Torque Ang. (deg)	Range = -90,00 to -5,00 or 5,00 to 90,00	65,10
EVOLT	Voltage Elements	Select: Y, N	N
E25	Synchronism Check	Select: Y, N	N
E81	Frequency Elements	Select: N, 1-6	N
E81R	Rate-of-Change-of-Frequency Elements	Select: N, 1-4	N
E79	Reclosures	Select: N, 1-4, C1-C4	N
ESOTF	Switch-Onto-Fault	Select: Y, N	N
ECOMM	Comm-Asst Trip Scheme	Select: N, POTT, DCUB1, DCUB2, DCB	N
EDEM	Demand Metering	Select: THM, ROL	THM
DMTC	Time Constant (min)	Select: 5, 10, 15, 30, 60	5
PDEMP	Phase Pickup (A,sec)	Range = 0,10 to 3,20, OFF	1,00
NDEMP	Neutral Ground Pickup (A,sec)	Range = 0,100 to 3,200, OFF	0,300
GDEMP	Residual Ground Pickup (A,sec)	Range = 0,02 to 3,20, OFF	0,30
QDEMP	Negative-Sequence Pickup (A,sec)	Range = 0,10 to 3,20, OFF	0,30
TDURD	Minimum Trip Duration Time (cyc)	Range = 4,00 to 16000,00	9,00
CFD	Close Failure Time Delay (cyc)	Range = 0,00 to 16000,00, OFF	60,00
3POD	Three-Pole Open Time Delay (cyc)	Range = 0,00 to 60,00	1,50
50LP	Load Detection Phase PU (A,sec)	Range = 0,05 to 20,00, OFF	0,05
ESV	SELogic Variable Timers	Select: N, 1-16	16
SV1PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00

SV1DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV2PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV2DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV3PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV3DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV4PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV4DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV5PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV5DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV6PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV6DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV7PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV7DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV8PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV8DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV9PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV9DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV10PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV10DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV11PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	250,00
SV11DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV12PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	250,00
SV12DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV13PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV13DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV14PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV14DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV15PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	500,00
SV15DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV16PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	500,00
SV16DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00

Group 1

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Group 3

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Setting	Description	Range	Value
RID	Relay Identifier (30 chars)	Range = ASCII string with a maximum length of 30.	-F51-ET2
TID	Terminal Identifier (30 chars)	Range = ASCII string with a maximum length of 30.	FRUTILLAR
CTR	Phase (IA,IB,IC) CT Ratio	Range = 1 to 6000	400
CTRN	Neutral (IN) CT Ratio	Range = 1 to 10000	400
PTR	Phase (VA,VB,VC) PT Ratio	Range = 1,00 to 10000,00	200,00
PTRS	Synch. Voltage (VS) PT Ratio	Range = 1,00 to 10000,00	200,00
VNOM	Phase Nominal Voltage L-N (V,sec)	Range = 25,00 to 300,00, OFF	69,28
Z1MAG	Pos-Seq Line Impedance Mag. (Ohm,sec)	Range = 0,50 to 2550,00	10,00
Z1ANG	Pos-Seq Line Impedance Angle (deg)	Range = 5,00 to 90,00	80,00
Z0MAG	Zero-Seq Line Impedance Mag. (Ohm,sec)	Range = 0,50 to 2550,00	10,00
Z0ANG	Zero-Seq Line Impedance Angle (deg)	Range = 5,00 to 90,00	80,00
LL	Line Length - unitless	Range = 0,10 to 999,00	10,00
EFLOC	Fault Location	Select: Y, N	N
E50P	Phase	Select: N, 1-6	N
E50N	Neutral Ground(channel IN)	Select: N, 1-6	N
E50G	Residual Ground	Select: N, 1-6	N
E50Q	Negative-Sequence	Select: N, 1-6	N
E51P	Phase	Select: N, 1, 2	1
51P1P	Pickup (A,sec)	Range = 0,05 to 3,20, OFF	0,46
51P1C	Curve	Select: U1-U5, C1-C5, Recloser-Curves	101
51P1TD	Time Dial	Range = 0,10 to 2,00	1,00
51P1CT	Constant time adder (cyc)	Range = 0,00 to 60,00	0,00
51P1MR	Minimum response (cyc)	Range = 0,00 to 60,00	0,00
E51N	Neutral Ground(channel IN)	Select: N, 1, 2	N
E51G	Residual Ground	Select: N, 1, 2	1
51G1P	Pickup (A,sec)	Range = 0,02 to 3,20, OFF	0,20
51G1C	Curve	Select: U1-U5, C1-C5, Recloser-Curves	101
51G1TD	Time Dial	Range = 0,10 to 2,00	1,00
51G1CT	Constant time adder (cyc)	Range = 0,00 to 60,00	0,00
51G1MR	Minimum response (cyc)	Range = 0,00 to 60,00	0,00
E51Q	Negative-Sequence	Select: Y, N	N
E50BF	Breaker Failure	Select: Y, N	N
EHBL2	Second Harmonic Blocking	Select: Y, N	N
ELOAD	Load Encroachment	Select: Y, N	N
E32	Directional Control	Select: AUTO, Y, N	N

ELOP	Loss-Of-Potential	Select: Y, Y1, N	N
EVOLT	Voltage Elements	Select: Y, N	N
E25	Synchronism Check	Select: Y, N	N
E81	Frequency Elements	Select: N, 1-6	N
E81R	Rate-of-Change-of-Frequency Elements	Select: N, 1-4	N
E79	Reclosures	Select: N, 1-4, C1-C4	N
ESOTF	Switch-Onto-Fault	Select: Y, N	N
ECOMM	Comm-Asst Trip Scheme	Select: N, POTT, DCUB1, DCUB2, DCB	N
EDEM	Demand Metering	Select: THM, ROL	THM
DMTC	Time Constant (min)	Select: 5, 10, 15, 30, 60	5
PDEMP	Phase Pickup (A,sec)	Range = 0,10 to 3,20, OFF	1,00
NDEMP	Neutral Ground Pickup (A,sec)	Range = 0,100 to 3,200, OFF	0,300
GDEMP	Residual Ground Pickup (A,sec)	Range = 0,02 to 3,20, OFF	0,30
QDEMP	Negative-Sequence Pickup (A,sec)	Range = 0,10 to 3,20, OFF	0,30
TDURD	Minimum Trip Duration Time (cyc)	Range = 4,00 to 16000,00	9,00
CFD	Close Failure Time Delay (cyc)	Range = 0,00 to 16000,00, OFF	60,00
3POD	Three-Pole Open Time Delay (cyc)	Range = 0,00 to 60,00	1,50
50LP	Load Detection Phase PU (A,sec)	Range = 0,05 to 20,00, OFF	0,05
ESV	SELogic Variable Timers	Select: N, 1-16	16
SV1PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV1DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV2PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV2DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV3PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV3DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV4PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV4DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV5PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV5DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV6PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 999999,00	0,00
SV6DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 999999,00	0,00
SV7PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV7DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV8PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV8DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV9PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV9DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV10PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV10DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV11PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	250,00

SV11DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV12PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	250,00
SV12DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV13PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV13DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV14PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	0,00
SV14DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV15PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	500,00
SV15DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00
SV16PU	SV_ Timer Pickup (cyc)	Range = 0,00 to 16000,00	500,00
SV16DO	SV_ Timer Dropout (cyc)	Range = 0,00 to 16000,00	0,00

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Setting	Description	Range	Value
PTCONN	Phase PT Connection	Select: WYE, DELTA, SINGLE	WYE
VSCONN	VS Channel Input	Select: VS, 3V0	VS
TGR	Group Change Delay (cyc)	Range = 0,00 to 16000,00	0,00
NFREQ	Nominal Frequency (Hz)	Select: 50, 60	50
PHROT	Phase Rotation	Select: ABC, ACB	ABC
DATE_F	Date Format	Select: MDY, YMD	MDY
FP_TO	Front Panel Timeout (mins)	Range = 1 to 30, OFF	15
SCROLD	Display Update Rate in seconds (seconds)	Range = 1 to 60	2
FPNGD	Front Panel Neutral/Ground Display	Select: OFF, IN, IG	IG
METHRES	Meter Cutoff Threshold	Select: Y, N, E	Y
LER	Length of Event Report (cyc)	Select: 15, 30, 60	60
PRE	Cycle Length of Prefault in Event Report (cyc)	Range = 1 to 59	15
FLTDISP	Fault Current to Display	Select: FL, MAX	MAX
DCLOP	DC Battery LO Voltage Pickup (Vdc)	Range = 20,00 to 300,00, OFF	OFF
DCHIP	DC Battery HI Voltage Pickup (Vdc)	Range = 20,00 to 300,00, OFF	OFF
IN101D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN102D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN103D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN104D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN105D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN106D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN201D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN202D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN203D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN204D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN205D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN206D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN207D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
IN208D	Input IN_ Debounce cycles (cyc)	Range = 0,00 to 2,00, AC	0,50
EBMON	Breaker Monitor	Select: Y, N	N
LED12L	Trip latch LED 12	Select: Y, N	Y
LED13L	Trip latch LED 13	Select: Y, N	Y
LED14L	Trip latch LED 14	Select: Y, N	Y
LED15L	Trip latch LED 15	Select: Y, N	Y
LED16L	Trip latch LED 16	Select: Y, N	Y
LED17L	Trip latch LED 17	Select: Y, N	Y

LED18L	Trip latch LED 18	Select: Y, N	Y
LED19L	Trip latch LED 19	Select: Y, N	N
LED20L	Trip latch LED 20	Select: Y, N	N
LED21L	Trip latch LED 21	Select: Y, N	N
LED25L	Trip latch LED 25	Select: Y, N	Y
LED26L	Trip latch LED 26	Select: Y, N	Y
RSTLED	Reset trip-latched LEDs on reclose	Select: Y, Y1, N, N1	Y
PB9D	PB9 time delay (cyc)	Range = 0,00 to 3600,00	0,00
PB10D	PB10 time delay (cyc)	Range = 0,00 to 3600,00	0,00
EPMU	Synchronized Phasor Measurement	Select: Y, N	N
EVELOCK	Event Summary Lock Period in Seconds (seconds)	Range = 0 to 1000	0
DNPSRC	DNP Session Time Base	Select: LOCAL, UTC	LOCAL
BOOPTCC	DNP BO Close/Trip Behavior	Select: SET, PULSE	SET
BOOPPUL	DNP BO Pulse On Behavior	Select: SET, PULSE	SET
IRIGC	IRIG-B Control Bits Definition	Select: NONE, C37.118	NONE
UTC_OFF	Offset from UTC (hr)	Range = -24,00 to 24,00	0,00
DST_BEGM	Month To Begin DST	Range = 1 to 12, NA	NA

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Logic 1

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Setting	Description	Range	Value
TR	Other Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1T + 51G1T
TRQUAL	Qualified Trip Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TRCOMM	Communications-Assisted Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TRSOTF	Switch-Onto-Fault Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DTT	Direct Transfer Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
ULTR	Unlatch Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!(51P1 + 51G1)
PT1	Permissive Trip 1 (used for ECOMM = POTT, DCUB1, or DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LOG1	Loss-of-Guard 1 (used for ECOMM = DCUB1 or DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
PT2	Permissive Trip 2 (used for ECOMM = DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LOG2	Loss-of-Guard 2 (used for ECOMM = DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
BT	Block Trip (used for ECOMM = DCB)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
52A	Circuit Breaker Status	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	IN102 * !IN101
		Valid range = Boolean	

CL	Close Conditions (other than automatic reclosing or CLOSE command)	equation using word bit elements and the legal operators: ! / \ ( ) * +	0
ULCL	Unlatch Close Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP + 52A + !LT5
79RI	Reclose Initiate	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
79RIS	Reclose Initiate Supervision	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	52A + 79CY
79DTL	Drive-to-Lockout	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	OC + !LT2 + LOP * 52A
79DLS	Drive-to-Last Shot	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79LO
79SKP	Skip Shot	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79STL	Stall Open Interval Timing	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
79BRS	Block Reset Timing	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79SEQ	Sequence Coordination	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79CLS	Reclose Supervision	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
SET1	Set Latch Bit 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT1 * PB1 * LT4
RST1	Reset Latch Bit 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT1 * PB1 * LT4
SET2	Set Latch Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT2 * LT5 * PB2 * LT4 + LT3 * /RB4

RST2	Reset Latch Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT2 * PB2 * LT4 + LT3 * /RB5
SET3	Set Latch Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT3 * PB3
RST3	Reset Latch Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT3 * PB3
SET4	Set Latch Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT4 * PB5
RST4	Reset Latch Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT4 * PB5
SET5	Set Latch Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5 * PB6 * LT4 * !LT3 + LT3 * /RB2
RST5	Reset Latch Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT5 * PB6 * LT4 * !LT3 + LT3 * /RB3
SET6	Set Latch Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT6 * PB7 * LT4
RST6	Reset Latch Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT6 * PB7 * LT4
SET7	Set Latch Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT7 * PB8 * LT4
RST7	Reset Latch Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT7 * PB8 * LT4
SET8	Set Latch Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT8 * /RB2
RST8	Reset Latch Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT8 * /RB3
SET9	Set Latch Bit 9	Valid range = Boolean equation using word bit elements and the legal	!LT9 * PB4 * !LT3 + LT3 * /RB7

		operators: ! / \ ( ) * +	
RST9	Reset Latch Bit 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT9 * PB4 * !LT3 + LT3 * /RB6
SET10	Set Latch Bit 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST10	Reset Latch Bit 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET11	Set Latch Bit 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST11	Reset Latch Bit 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET12	Set Latch Bit 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST12	Reset Latch Bit 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET13	Set Latch Bit 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST13	Reset Latch Bit 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET14	Set Latch Bit 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST14	Reset Latch Bit 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET15	Set Latch Bit 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST15	Reset Latch Bit 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
		Valid range = Boolean equation using word bit	

SET16	Set Latch Bit 16	elements and the legal operators: ! / \ ( ) * +	0
RST16	Reset Latch Bit 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
67P1TC	Level 1 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67P2TC	Level 2 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67P3TC	Level 3 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67P4TC	Level 4 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N1TC	Level 1 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N2TC	Level 2 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N3TC	Level 3 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N4TC	Level 4 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G1TC	Level 1 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G2TC	Level 2 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G3TC	Level 3 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G4TC	Level 4 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
		Valid range = Boolean	

67Q1TC	Level 1 Negative-Sequence	equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67Q2TC	Level 2 Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67Q3TC	Level 3 Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67Q4TC	Level 4 Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51P1TC	Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51N1TC	Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51G1TC	Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT1
51P2TC	Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51N2TC	Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51G2TC	Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51QTC	Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
HBL2TC	Second Harmonic Blocking	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
81RTC	Rate-of-Change-of-Frequency	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!27B81
BFI	Three-Pole Breaker Failure Initiate	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0

BFTR	Breaker Failure Trip	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
BFULTR	Breaker Failure Unlatch Trip	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV1	Logic Variable Equation 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	(IN206 * IN101) + (IN205 * IN102)
LV2	Logic Variable Equation 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	(IN208 * IN101) + (IN207 * IN102)
LV3	Logic Variable Equation 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV4	Logic Variable Equation 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV5	Logic Variable Equation 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV6	Logic Variable Equation 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV7	Logic Variable Equation 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV8	Logic Variable Equation 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV9	Logic Variable Equation 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV10	Logic Variable Equation 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV11	Logic Variable Equation 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV12	Logic Variable Equation 12	Valid range = Boolean equation using word bit elements and the legal	0

		operators: ! / \ ( ) * +	
LV13	Logic Variable Equation 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV14	Logic Variable Equation 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV15	Logic Variable Equation 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV16	Logic Variable Equation 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV17	Logic Variable Equation 17	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV18	Logic Variable Equation 18	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV19	Logic Variable Equation 19	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV20	Logic Variable Equation 20	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV21	Logic Variable Equation 21	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV22	Logic Variable Equation 22	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV23	Logic Variable Equation 23	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV24	Logic Variable Equation 24	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV25	Logic Variable Equation 25	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
		Valid range = Boolean equation using word bit	

LV26	Logic Variable Equation 26	elements and the legal operators: ! / \ ( ) * +	0
LV27	Logic Variable Equation 27	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV28	Logic Variable Equation 28	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV29	Logic Variable Equation 29	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV30	Logic Variable Equation 30	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV31	Logic Variable Equation 31	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV32	Logic Variable Equation 32	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SV1	SELogic Control Equation Variable 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	RCSF
SV2	SELogic Control Equation Variable 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT2
SV3	SELogic Control Equation Variable 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT2
SV4	SELogic Control Equation Variable 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	CLOSE
SV5	SELogic Control Equation Variable 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV15T
SV6	SELogic Control Equation Variable 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV16T
SV7	SELogic Control Equation Variable 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5
		Valid range = Boolean	

SV8	SELogic Control Equation Variable 8	equation using word bit elements and the legal operators: ! / \ ( ) * +	LT5
SV9	SELogic Control Equation Variable 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT9
SV10	SELogic Control Equation Variable 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT9
SV11	SELogic Control Equation Variable 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV1
SV12	SELogic Control Equation Variable 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV2
SV13	SELogic Control Equation Variable 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SV14	SELogic Control Equation Variable 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!TIRIG
SV15	SELogic Control Equation Variable 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV1
SV16	SELogic Control Equation Variable 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV2
OUT101	Output Contact 101	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT102	Output Contact 102	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT103	Output Contact 103	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT104	Output Contact 104	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1 + 51G1 + 51P2 + 51G2
OUT105	Output Contact 105	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	CLOSE

OUT106	Output Contact 106	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV11T
OUT107	Output Contact 107	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV12T
ALRMOUT	Output Contact ALARM	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!(SALARM + HALARM)
OUT201	Output Contact 201	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV11T
OUT202	Output Contact 202	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV12T
OUT203	Output Contact 203	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT204	Output Contact 204	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT205	Output Contact 205	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT206	Output Contact 206	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT207	Output Contact 207	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT208	Output Contact 208	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT209	Output Contact 209	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT210	Output Contact 210	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT211	Output Contact 211	Valid range = Boolean equation using word bit elements and the legal	0

		operators: ! / \ ( ) * +	
OUT212	Output Contact 212	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED1	(Ground Enabled)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT1
LED2	(Reclose Enabled)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT2
LED3	(Remote Enabled)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT3
LED4	(Alternate Settings)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!SG1 * SG2
LED5	(Lock)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT4
LED6	(Hot Line Tag)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5
LED7	(Aux. 1)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED8	(Aux. 2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED9	(Breaker Closed)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED10	(Breaker Open)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED12	(Trip)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
LED13	(Inst)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	FAULT * !SV1T
		Valid range = Boolean equation using word bit	

LED14	(Comm)	elements and the legal operators: ! / \ ( ) * +	COMMT
LED15	(SOTF)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SOTFT
LED16	(50)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	67P1
LED17	(51)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1T + 51G1T
LED18	(81)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	81D1T
LED19	(Reset)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79RS
LED20	(Cycle)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79CY
LED21	(Lockout)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79LO
LED25	(G)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51G1
LED26	(N)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP1	Display Point 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP2	Display Point 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP3	Display Point 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP4	Display Point 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
		Valid range = Boolean	

DP5	Display Point 5	equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP6	Display Point 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP7	Display Point 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP8	Display Point 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP9	Display Point 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP10	Display Point 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP11	Display Point 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP12	Display Point 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP13	Display Point 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP14	Display Point 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP15	Display Point 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP16	Display Point 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SS1	Select Setting Group 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT5 * LT9 * LT4
SS2	Select Setting Group 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT9 * LT5 * LT4

SS3	Select Setting Group 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5 * LT4
SS4	Select Setting Group 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SS5	Select Setting Group 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SS6	Select Setting Group 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
ER	Event Report Trigger Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	/51P1 + /51G1 + /52A
FAULT	Fault Indication	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1 + 51G1 + 52A
BSYNCH	Block Synchronism Check Elements	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	52A
CLMON	Close Bus Monitor	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
BKMON	Breaker Monitor Initiation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
BKCLS	Breaker Monitor Close Initiation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	CLOSE
E32IV	Enable for V0 Polarized and IN Polarized Elements	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
LOPBLK	Block Loss-of-Potential Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SALARM	Software Alarm Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	BADPASS + CHGPASS + SETCHG + GRPSW + ACCESSP + PASNVAL
		Valid range = Boolean	

TMB1A	Channel A, Transmit Bit 1	equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB2A	Channel A, Transmit Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB3A	Channel A, Transmit Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB4A	Channel A, Transmit Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB5A	Channel A, Transmit Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB6A	Channel A, Transmit Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB7A	Channel A, Transmit Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB8A	Channel A, Transmit Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB1B	Channel B, Transmit Bit 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB2B	Channel B, Transmit Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB3B	Channel B, Transmit Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB4B	Channel B, Transmit Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB5B	Channel B, Transmit Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB6B	Channel B, Transmit Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0

TMB7B	Channel B, Transmit Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB8B	Channel B, Transmit Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RSTTRGT	Target Reset Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	RB1
RST_DEM	Reset Demand Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_PDM	Reset Peak Demand Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_BK	Reset Breaker Monitor Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_HIS	Reset Event History Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_ENE	Reset Energy Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_MML	Reset Max/Min Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_HAL	Reset Hardware Alarm	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RSTDNPE	Reset DNP Event Queue	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
PMTRIG	PM Trigger Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TREA1	Trigger Reason 1 Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TREA2	Trigger Reason 2 Equation	Valid range = Boolean equation using word bit elements and the legal	0

		operators: ! / \ ( ) * +	
TREA3	Trigger Reason 3 Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TREA4	Trigger Reason 4 Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
Logic 1			

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Logic 3

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Setting	Description	Range	Value
TR	Other Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1T + 51G1T
TRQUAL	Qualified Trip Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TRCOMM	Communications-Assisted Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TRSOTF	Switch-Onto-Fault Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DTT	Direct Transfer Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
ULTR	Unlatch Trip Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!(51P1 + 51G1)
PT1	Permissive Trip 1 (used for ECOMM = POTT, DCUB1, or DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LOG1	Loss-of-Guard 1 (used for ECOMM = DCUB1 or DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
PT2	Permissive Trip 2 (used for ECOMM = DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LOG2	Loss-of-Guard 2 (used for ECOMM = DCUB2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
BT	Block Trip (used for ECOMM = DCB)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
52A	Circuit Breaker Status	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	IN102 * !IN101
		Valid range = Boolean	

CL	Close Conditions (other than automatic reclosing or CLOSE command)	equation using word bit elements and the legal operators: ! / \ ( ) * +	0
ULCL	Unlatch Close Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP + 52A + ! LT5
79RI	Reclose Initiate	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79RIS	Reclose Initiate Supervision	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
79DTL	Drive-to-Lockout	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT2 + !LT5
79DLS	Drive-to-Last Shot	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79LO
79SKP	Skip Shot	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79STL	Stall Open Interval Timing	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79BRS	Block Reset Timing	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79SEQ	Sequence Coordination	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
79CLS	Reclose Supervision	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
SET1	Set Latch Bit 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT1 * PB1 * LT4
RST1	Reset Latch Bit 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT1 * PB1 * LT4
SET2	Set Latch Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT2 * LT5 * PB2 * LT4 + LT3 * /RB4

RST2	Reset Latch Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT2 * PB2 * LT4 + !LT5 + !(79RS + 79CY + 79LO) + LT3 * /RB5
SET3	Set Latch Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT3 * PB3
RST3	Reset Latch Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT3 * PB3
SET4	Set Latch Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT4 * PB5
RST4	Reset Latch Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT4 * PB5
SET5	Set Latch Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5 * PB6 * LT4 * !LT3 + LT3 * /RB2
RST5	Reset Latch Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT5 * PB6 * LT4 * !LT3 + LT3 * /RB3
SET6	Set Latch Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT6 * PB7 * LT4
RST6	Reset Latch Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT6 * PB7 * LT4
SET7	Set Latch Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT7 * PB8 * LT4
RST7	Reset Latch Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT7 * PB8 * LT4
SET8	Set Latch Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT8 * /RB2
RST8	Reset Latch Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT8 * /RB3
SET9	Set Latch Bit 9	Valid range = Boolean equation using word bit elements and the legal	!LT9 * PB4 * !LT3 + LT3 * /RB7

		operators: ! / \ ( ) * +	
RST9	Reset Latch Bit 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT9 * PB4 * !LT3 + LT3 * /RB6
SET10	Set Latch Bit 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST10	Reset Latch Bit 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET11	Set Latch Bit 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST11	Reset Latch Bit 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET12	Set Latch Bit 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST12	Reset Latch Bit 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET13	Set Latch Bit 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST13	Reset Latch Bit 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET14	Set Latch Bit 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST14	Reset Latch Bit 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SET15	Set Latch Bit 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST15	Reset Latch Bit 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
		Valid range = Boolean equation using word bit	

SET16	Set Latch Bit 16	elements and the legal operators: ! / \ ( ) * +	0
RST16	Reset Latch Bit 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
67P1TC	Level 1 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67P2TC	Level 2 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67P3TC	Level 3 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67P4TC	Level 4 Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N1TC	Level 1 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N2TC	Level 2 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N3TC	Level 3 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67N4TC	Level 4 Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G1TC	Level 1 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G2TC	Level 2 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G3TC	Level 3 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67G4TC	Level 4 Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
		Valid range = Boolean	

67Q1TC	Level 1 Negative-Sequence	equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67Q2TC	Level 2 Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67Q3TC	Level 3 Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
67Q4TC	Level 4 Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51P1TC	Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51N1TC	Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51G1TC	Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT1
51P2TC	Phase	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51N2TC	Neutral Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51G2TC	Residual Ground	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
51QTC	Negative-Sequence	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
HBL2TC	Second Harmonic Blocking	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
81RTC	Rate-of-Change-of-Frequency	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!27B81
BFI	Three-Pole Breaker Failure Initiate	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0

BFTR	Breaker Failure Trip	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
BFULTR	Breaker Failure Unlatch Trip	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV1	Logic Variable Equation 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	(IN206 * IN101) + (IN205 * IN102)
LV2	Logic Variable Equation 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	(IN208 * IN101) + (IN207 * IN102)
LV3	Logic Variable Equation 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV4	Logic Variable Equation 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV5	Logic Variable Equation 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV6	Logic Variable Equation 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV7	Logic Variable Equation 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV8	Logic Variable Equation 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV9	Logic Variable Equation 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV10	Logic Variable Equation 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV11	Logic Variable Equation 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV12	Logic Variable Equation 12	Valid range = Boolean equation using word bit elements and the legal	0

		operators: ! / \ ( ) * +	
LV 13	Logic Variable Equation 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 14	Logic Variable Equation 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 15	Logic Variable Equation 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 16	Logic Variable Equation 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 17	Logic Variable Equation 17	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 18	Logic Variable Equation 18	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 19	Logic Variable Equation 19	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 20	Logic Variable Equation 20	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 21	Logic Variable Equation 21	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 22	Logic Variable Equation 22	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 23	Logic Variable Equation 23	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 24	Logic Variable Equation 24	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV 25	Logic Variable Equation 25	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
		Valid range = Boolean equation using word bit	

LV26	Logic Variable Equation 26	elements and the legal operators: ! / \ ( ) * +	0
LV27	Logic Variable Equation 27	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV28	Logic Variable Equation 28	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV29	Logic Variable Equation 29	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV30	Logic Variable Equation 30	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV31	Logic Variable Equation 31	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LV32	Logic Variable Equation 32	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SV1	SELogic Control Equation Variable 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	RCSF
SV2	SELogic Control Equation Variable 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT2
SV3	SELogic Control Equation Variable 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT2
SV4	SELogic Control Equation Variable 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	CLOSE
SV5	SELogic Control Equation Variable 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV15T
SV6	SELogic Control Equation Variable 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV16T
SV7	SELogic Control Equation Variable 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5
		Valid range = Boolean	

SV8	SELogic Control Equation Variable 8	equation using word bit elements and the legal operators: ! / \ ( ) * +	LT5
SV9	SELogic Control Equation Variable 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT9
SV10	SELogic Control Equation Variable 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT9
SV11	SELogic Control Equation Variable 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV1
SV12	SELogic Control Equation Variable 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV2
SV13	SELogic Control Equation Variable 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SV14	SELogic Control Equation Variable 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!TIRIG
SV15	SELogic Control Equation Variable 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV1
SV16	SELogic Control Equation Variable 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LV2
OUT101	Output Contact 101	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT102	Output Contact 102	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT103	Output Contact 103	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT104	Output Contact 104	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1 + 51G1
OUT105	Output Contact 105	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	CLOSE

OUT106	Output Contact 106	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV11T
OUT107	Output Contact 107	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV12T
ALRMOUT	Output Contact ALARM	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!(SALARM + HALARM)
OUT201	Output Contact 201	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV11T
OUT202	Output Contact 202	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SV12T
OUT203	Output Contact 203	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
OUT204	Output Contact 204	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT205	Output Contact 205	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT206	Output Contact 206	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT207	Output Contact 207	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT208	Output Contact 208	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT209	Output Contact 209	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT210	Output Contact 210	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
OUT211	Output Contact 211	Valid range = Boolean equation using word bit elements and the legal	0

		operators: ! / \ ( ) * +	
OUT212	Output Contact 212	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED1	(Ground Enabled)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT1
LED2	(Reclose Enabled)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT2
LED3	(Remote Enabled)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT3
LED4	(Alternate Settings)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!SG1 * SG2
LED5	(Lock)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT4
LED6	(Hot Line Tag)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5
LED7	(Aux. 1)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED8	(Aux. 2)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED9	(Breaker Closed)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED10	(Breaker Open)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
LED12	(Trip)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
LED13	(Inst)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	FAULT * !SV1T
		Valid range = Boolean equation using word bit	

LED14	(Comm)	elements and the legal operators: ! / \ ( ) * +	COMMT
LED15	(SOTF)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	SOTFT
LED16	(50)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	67P1
LED17	(51)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1T + 51G1T
LED18	(81)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	81D1T
LED19	(Reset)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79RS
LED20	(Cycle)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79CY
LED21	(Lockout)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	79LO
LED25	(G)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51G1
LED26	(N)	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP1	Display Point 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP2	Display Point 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP3	Display Point 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP4	Display Point 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
		Valid range = Boolean	

DP5	Display Point 5	equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP6	Display Point 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP7	Display Point 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP8	Display Point 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP9	Display Point 9	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP10	Display Point 10	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP11	Display Point 11	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP12	Display Point 12	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP13	Display Point 13	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP14	Display Point 14	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP15	Display Point 15	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
DP16	Display Point 16	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SS1	Select Setting Group 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	LT5 * LT9 * LT4
SS2	Select Setting Group 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT9 * LT5 * LT4

SS3	Select Setting Group 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	!LT5 * LT4
SS4	Select Setting Group 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SS5	Select Setting Group 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SS6	Select Setting Group 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
ER	Event Report Trigger Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	/51P1 + /51G1 + /52A
FAULT	Fault Indication	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	51P1 + 51G1 + 52A
BSYNCH	Block Synchronism Check Elements	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	52A
CLMON	Close Bus Monitor	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
BKMON	Breaker Monitor Initiation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	TRIP
BKCLS	Breaker Monitor Close Initiation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	CLOSE
E32IV	Enable for V0 Polarized and IN Polarized Elements	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	1
LOPBLK	Block Loss-of-Potential Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
SALARM	Software Alarm Conditions	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	BADPASS + CHGPASS + SETCHG + GRPSW + ACCESSP + PASNVAL
		Valid range = Boolean	

TMB1A	Channel A, Transmit Bit 1	equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB2A	Channel A, Transmit Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB3A	Channel A, Transmit Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB4A	Channel A, Transmit Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB5A	Channel A, Transmit Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB6A	Channel A, Transmit Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB7A	Channel A, Transmit Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB8A	Channel A, Transmit Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB1B	Channel B, Transmit Bit 1	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB2B	Channel B, Transmit Bit 2	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB3B	Channel B, Transmit Bit 3	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB4B	Channel B, Transmit Bit 4	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB5B	Channel B, Transmit Bit 5	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB6B	Channel B, Transmit Bit 6	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0

TMB7B	Channel B, Transmit Bit 7	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TMB8B	Channel B, Transmit Bit 8	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RSTTRGT	Target Reset Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	RB1
RST_DEM	Reset Demand Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_PDM	Reset Peak Demand Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_BK	Reset Breaker Monitor Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_HIS	Reset Event History Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_ENE	Reset Energy Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_MML	Reset Max/Min Data Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RST_HAL	Reset Hardware Alarm	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
RSTDNPE	Reset DNP Event Queue	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
PMTRIG	PM Trigger Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TREA1	Trigger Reason 1 Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TREA2	Trigger Reason 2 Equation	Valid range = Boolean equation using word bit elements and the legal	0

		operators: ! / \ ( ) * +	
TREA3	Trigger Reason 3 Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0
TREA4	Trigger Reason 4 Equation	Valid range = Boolean equation using word bit elements and the legal operators: ! / \ ( ) * +	0

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Setting	Description	Range	Value
SER1	Sequential Events Recorder 1 Trigger List, 24 elements max. (enter NA or 0 to null)	Valid range = 0, NA or a list of relay elements.	50P1, 50G1, 51G1, 51P1, 51P1T, 51G1T, TRIP, IN205, IN206, IN207, IN208, OUT101, OUT102, OUT103, OUT104, OUT105, OUT106, OUT107, 67G1T
SER2	Sequential Events Recorder 2 Trigger List, 24 elements max. (enter NA or 0 to null)	Valid range = 0, NA or a list of relay elements.	CLOSE, 52A, CF, 79RS, 79CY, 79LO, SH0, SH1, SH2, SH3, SH4, PB9, CC, OPTMN, RCSF, RSTMN, OUT201, OUT202, OUT203, SG1, SG2, SG3
SER3	Sequential Events Recorder 3 Trigger List, 24 elements max. (enter NA or 0 to null)	Valid range = 0, NA or a list of relay elements.	SV1, SV2, SV3, SV4, SV5, SV6, SV7, SV8, SV9, SV10, SV11, SV12, SV13, SV14, SV15, SV16, IN104, IN105, IN205, IN206, IN207, IN208
LDLIST	Load Profile List, 15 elements max. (enter NA or 0 to null)	Valid range = 0, NA or a list of relay elements.	VA, VB, VC, IA, IB, IC, IN, I1, 3I0, 3I2
LDAR	Load Profile Acquisition Rate (minutes)	Select: 5, 10, 15, 30, 60	5

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Setting	Description	Range	Value
NLB1	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB1	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB1	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB1	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB2	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB2	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB2	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB2	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB3	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB3	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB3	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB3	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB4	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB4	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB4	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB4	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB5	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB5	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB5	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB5	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB6	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB6	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
		Range = ASCII string with	

SLB6	Set Local Bit LB_ Label(7 char; enter NA to null)	a maximum length of 7.	NA
PLB6	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB7	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB7	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB7	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB7	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB8	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB8	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB8	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB8	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB9	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB9	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB9	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB9	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB10	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB10	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB10	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB10	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB11	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB11	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB11	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB11	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB12	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB12	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB12	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB12	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with	NA

		a maximum length of 7.	
NLB13	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB13	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB13	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB13	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB14	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB14	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB14	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB14	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB15	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB15	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB15	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB15	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
NLB16	Local Bit LB_ Name(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	NA
CLB16	Clear Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
SLB16	Set Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
PLB16	Pulse Local Bit LB_ Label(7 char; enter NA to null)	Range = ASCII string with a maximum length of 7.	NA
DP1_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP1_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	52ET2
DP2_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP2_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	SE FRUTILLAR
DP3_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP3_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP4_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP4_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP5_1	Display Point DP_ Label(displays if DP_ = logical 1; 16	Range = ASCII string with	NA

	char; enter NA to null)	a maximum length of 16.	
DP5_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP6_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP6_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP7_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP7_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP8_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP8_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP9_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP9_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP10_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP10_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP11_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP11_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP12_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP12_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP13_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP13_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP14_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP14_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP15_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP15_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP16_1	Display Point DP_ Label(displays if DP_ = logical 1; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
DP16_0	Display Point DP_ Label(displays if DP_ = logical 0; 16 char; enter NA to null)	Range = ASCII string with a maximum length of 16.	NA
79LL	Last Shot Label(14 char; enter NA to null)	Range = ASCII string with a maximum length of 14.	SET RECLOSURES
79SL	Shot Counter Label(14 char; enter NA to null)	Range = ASCII string with	RECLOSE COUNT

		a maximum length of 14.	

Text

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SEL-787 Settings Report

Overview Information

File Name	87T2 Dejado GRO1 ACTIVO
RDB	Frutillar T2 26-08-2021.rdb
Device	SEL-787
Setting Version Number	003
Part Number	07870X1A1A1A0X810630
Firmware ID	SEL-787-R209-V0-Z003001-D20140714
SEL Boot Firmware ID	BOOTLDR-R501-V0-Z000000-D20140224

Settings

Settings Legend

Visible Setting
Hidden Setting
Invalid Setting

Global

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Setting	Description	Range	Value
PHROT	Phase Rotation	Select: ABC, ACB	ABC
FNOM	Rated Frequency (Hz)	Select: 50, 60	50
DATE_F	Date Format	Select: MDY, YMD, DMY	DMY
FAULT	Fault Condition (SELogic)		51P1P OR 51P2P OR 51G1P OR 51G2P OR 51N1P OR TRIP
EMP	Messenger Points Enable	Range = N,1-32	N
TGR	Group Change Delay (seconds)	Range = 0-400	1
SS1	Select Settings Group1 (SELogic)		1
SS2	Select Settings Group2 (SELogic)		0
SS3	Select Settings Group3 (SELogic)		0
SS4	Select Settings Group4 (SELogic)		0
IRIGC	IRIG-B Control Bits Definition	Select: NONE, C37.118	NONE
UTC_OFF	Offset from UTC (hours, in 0.25 hour increments)	Range = -24.00 to 24.00	0,00
DST_BEGM	Month To Begin DST	Range = OFF,1-12	OFF
EPMU	Enable Synchronized Phasor Measurement	Select: Y, N	N
52ABF	52A Interlock in BF Logic	Select: Y, N	N
BFD1	Breaker 1 Failure Delay (seconds)	Range = 0.00-2.00	0,50
BFD2	Breaker 2 Failure Delay (seconds)	Range = 0.00-2.00	0,50
BFI1	Breaker 1 Failure Initiate (SELogic)		R_TRIG TRIP1 OR R_TRIG TRIPX FMR
BFI2	Breaker 2 Failure Initiate (SELogic)		R_TRIG TRIP2 OR R_TRIG TRIPX FMR
THFLTD	Select Through-Fault Winding	Select: OFF, 1, 2	OFF
IN101D	IN101 Debounce (milliseconds)	Range = AC,0-65000	10
IN102D	IN102 Debounce (milliseconds)	Range = AC,0-65000	10
IN301D	IN301 Debounce (milliseconds)	Range = AC,0-65000	10
IN302D	IN302 Debounce (milliseconds)	Range = AC,0-65000	10
IN303D	IN303 Debounce (milliseconds)	Range = AC,0-65000	10
IN304D	IN304 Debounce (milliseconds)	Range = AC,0-65000	10
IN401D	IN401 Debounce (milliseconds)	Range = AC,0-65000	10
IN402D	IN402 Debounce (milliseconds)	Range = AC,0-65000	10
IN403D	IN403 Debounce (milliseconds)	Range = AC,0-65000	10
IN404D	IN404 Debounce (milliseconds)	Range = AC,0-65000	10
RSTTRGT	Reset Targets (SELogic)		0
RSTENRGY	Reset Energy (SELogic)		0
RSTMXMN	Reset Max/Min (SELogic)		0

RSTDEM	Reset Demand (SELogic)		0
RSTPKDEM	Reset Peak Demand (SELogic)		0
DSABLSET	Disable Settings (SELogic)		0
BLKMBSET	Block Modbus Settings Edit	Select: NONE, R_S, ALL	NONE
TIME_SRC	IRIG Time Source	Select: IRIG1, IRIG2	IRIG1

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Setting	Description	Range	Value
RID	Relay Identifier (16 characters)		-F87T-S1
TID	Terminal Identifier (16 characters)		=ET2 + W02
MVA	Maximum Transformer Capacity (MVA)	Range = OFF,0.2-5000.0	OFF
ICOM	Define Internal CT Conn. Compensation	Select: Y, N	Y
W1CT	Winding 1 CT Connection	Select: DELTA, WYE	WYE
CTR1	Winding 1 Phase CT Ratio	Range = 1-50000	200
W1CTC	Winding 1 CT Conn. Compensation	Range = 0-12	12
W2CT	Winding 2 CT Connection	Select: DELTA, WYE	WYE
CTR2	Winding 2 Phase CT Ratio	Range = 1-50000	400
W2CTC	Winding 2 CT Conn. Compensation	Range = 0-12	12
E87	Enable Transformer Differential Protection	Select: Y, N	Y
TAP1	Winding 1 Current Tap	Range = 0.10-6.20	0,63
TAP2	Winding 2 Current Tap	Range = 0.10-6.20	0,55
O87P	Restrained Element Operating Current PU (multiple of tap)	Range = 0.10-1.00	0,30
87AP	Differential Current Alarm PU (multiple of tap)	Range = OFF,0.05-1.00	0,30
87AD	Differential Current Alarm Delay (seconds)	Range = 1.0-120.0	5,0
SLP1	Restraint Slope 1 Percentage	Range = 5-90	15
SLP2	Restraint Slope 2 Percentage	Range = 5-90	30
IRS1	Restraint Current Slope 1 Limit	Range = 1.0-20.0	12,0
U87P	Unrestrained Element Current PU	Range = 1.0-20.0	6,0
PCT2	Second-Harmonic Blocking Percentage	Range = OFF,5-100	15
PCT4	Fourth-Harmonic Blocking Percentage	Range = OFF,5-100	15
PCT5	Fifth-Harmonic Blocking Percentage	Range = OFF,5-100	35
TH5P	Fifth-Harmonic Alarm Threshold	Range = OFF,0.02-3.20	OFF
HRSTR	Harmonic Restraint	Select: Y, N	N
HBLK	Harmonic Blocking	Select: Y, N	Y
50P11P	Winding 1 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50P12P	Winding 1 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50P13P	Winding 1 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50P14P	Winding 1 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50G11P	Winding 1 Residual Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50G12P	Winding 1 Residual Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50Q11P	Winding 1 Negative Sequence Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50Q12P	Winding 1 Negative Sequence Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50P21P	Winding 2 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50P22P	Winding 2 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF

50P23P	Winding 2 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50P24P	Winding 2 Phase Inst Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50G21P	Winding 2 Residual Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50G22P	Winding 2 Residual Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50Q21P	Winding 2 Negative Sequence Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
50Q22P	Winding 2 Negative Sequence Overcurrent Trip Level (amps)	Range = OFF,0.10-19.20	OFF
51P1AP	Winding 1 Phase A Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P1BP	Winding 1 Phase B Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P1CP	Winding 1 Phase C Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P1P	Winding 1 Max Phase Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51G1P	Winding 1 Residual Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51Q1P	Winding 1 Negative Seq. Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P2AP	Winding 2 Phase A Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P2BP	Winding 2 Phase B Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P2CP	Winding 2 Phase C Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
51P2P	Winding 2 Max Phase Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	0,79
51P2C	Winding 2 Max Phase TOC Curve Selection	Select: U1, U2, U3, U4, U5, C1, C2, C3, C4, C5	C2
51P2TD	Winding 2 Max Phase TOC Time Dial	Range = 0.05-1.00	0,55
51P2RS	Winding 2 Max Phase EM Reset Delay	Select: Y, N	N
51P2CT	Winding 2 Max Phase Constant Time Adder (seconds)	Range = 0.00-1.00	1,00
51P2MR	Winding 2 Max Phase Minimum Response Time (seconds)	Range = 0.00-1.00	0,00
51P2TC	Winding 2 Phase Time Overcurrent Torque Control (SELogic)		1
51G2P	Winding 2 Residual Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	0,35
51G2C	Winding 2 Residual TOC Curve Selection	Select: U1, U2, U3, U4, U5, C1, C2, C3, C4, C5	C1
51G2TD	Winding 2 Residual TOC Time Dial	Range = 0.05-1.00	0,40
51G2RS	Winding 2 EM Reset Delay	Select: Y, N	N
51G2CT	Winding 2 Constant Time Adder (seconds)	Range = 0.00-1.00	0,00
51G2MR	Winding 2 Minimum Response Time (seconds)	Range = 0.00-1.00	0,00
51G2TC	Winding 2 Residual Time Overcurrent Torque Control (SELogic)		1
51Q2P	Winding 2 Negative Seq. Time Overcurrent Trip Level (amps)	Range = OFF,0.10-3.20	OFF
E49RTD	RTD Enable	Select: EXT, NONE	NONE
EDEM	Enable Demand Metering	Select: OFF, W1, W2	OFF
TDURD	Minimum Trip Time (seconds)	Range = 0.0-400.0	0,5
			87R OR 87U OR

TRXFMR	Trip XFMR Equation (SELogic)		IN401 OR IN402 OR IN403 OR IN404 OR IN101
REMTRIP	Remote Trip (SELogic)		0
ULTRXFMR	Unlatch Trip XFMR (SELogic)		NOT (87R OR 87U OR IN401 OR IN402 OR IN403 OR IN404 OR IN101)
CFD1	Close 1 Failure Time Delay (seconds)	Range = 0.0-400.0	0,5
TR1	Trip 1 Equation (SELogic)		0
ULTRIP1	Unlatch Trip 1 (SELogic)		NOT (51P1T OR 51G1T)
52A1	Breaker 1 Status (SELogic)		IN301 AND NOT IN302 #POSICION CERRADA-INTERRUPTOR - 52E2
CL1	Close 1 Equation (SELogic)		SV03T AND NOT LT02 OR CC1
ULCL1	Unlatch Close 1 (SELogic)		TRIP1 OR TRIPXFMR
CFD2	Close 2 Failure Time Delay (seconds)	Range = 0.0-400.0	0,5
TR2	Trip 2 Equation (SELogic)		51P2T OR 51G2T
ULTRIP2	Unlatch Trip 2 (SELogic)		NOT (51P2T OR 51G2T)
52A2	Breaker 2 Status (SELogic)		IN303 AND NOT IN304 #POSICION CERRADA-INTERRUPTOR - 52C1
CL2	Close 2 Equation (SELogic)		SV03T AND LT02 OR CC2
ULCL2	Unlatch Close 2 (SELogic)		TRIP2 OR TRIPXFMR

Group 1

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Logic 1

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Setting	Description	Range	Value
ELAT	SELogic Latches	Range = N,1-32	32
ESV	SELogic Variables/Timers	Range = N,1-32	32
ESC	SELogic Counters	Range = N,1-32	32
EMV	SELogic Math Variables	Range = N,1-32	32
SET01	(SELogic)		R_TRIG SV01T AND NOT LT01
RST01	(SELogic)		R_TRIG SV01T AND LT01
SET02	(SELogic)		R_TRIG SV02T AND NOT LT02 AND PB02
RST02	(SELogic)		R_TRIG SV02T AND LT02 AND PB02
SET03	(SELogic)		(PB03 AND R_TRIG SV02T) AND LT01 AND NOT (52A1 AND NOT LT02 OR 52A2 AND LT02)
RST03	(SELogic)		(R_TRIG SV02T OR SV03T) AND LT03
SET04	(SELogic)		(PB04 AND R_TRIG SV02T) AND (52A1 AND NOT LT02 OR 52A2 AND LT02)
RST04	(SELogic)		(R_TRIG SV02T OR SV04T) AND LT04
SET05	(SELogic)		TRIPXFMR AND NOT LT05
RST05	(SELogic)		NOT VB001 AND NOT VB005
SET06	(SELogic)		NA
RST06	(SELogic)		NA
SET07	(SELogic)		NA
RST07	(SELogic)		NA
SET08	(SELogic)		NA
RST08	(SELogic)		NA
SET09	(SELogic)		NA
RST09	(SELogic)		NA
SET10	(SELogic)		NA
RST10	(SELogic)		NA
SET11	(SELogic)		NA
RST11	(SELogic)		NA

SET12	(SELogic)		NA
RST12	(SELogic)		NA
SET13	(SELogic)		NA
RST13	(SELogic)		NA
SET14	(SELogic)		NA
RST14	(SELogic)		NA
SET15	(SELogic)		NA
RST15	(SELogic)		NA
SET16	(SELogic)		NA
RST16	(SELogic)		NA
SET17	(SELogic)		NA
RST17	(SELogic)		NA
SET18	(SELogic)		NA
RST18	(SELogic)		NA
SET19	(SELogic)		NA
RST19	(SELogic)		NA
SET20	(SELogic)		NA
RST20	(SELogic)		NA
SET21	(SELogic)		NA
RST21	(SELogic)		NA
SET22	(SELogic)		NA
RST22	(SELogic)		NA
SET23	(SELogic)		NA
RST23	(SELogic)		NA
SET24	(SELogic)		NA
RST24	(SELogic)		NA
SET25	(SELogic)		NA
RST25	(SELogic)		NA
SET26	(SELogic)		NA
RST26	(SELogic)		NA
SET27	(SELogic)		NA
RST27	(SELogic)		NA
SET28	(SELogic)		NA
RST28	(SELogic)		NA
SET29	(SELogic)		NA
RST29	(SELogic)		NA
SET30	(SELogic)		NA
RST30	(SELogic)		NA
SET31	(SELogic)		NA
RST31	(SELogic)		NA
SET32	(SELogic)		NA
RST32	(SELogic)		NA
SV01PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	3,00

SV01DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV01	SELogic Variable Input (SELogic)		PB01
SV02PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,25
SV02DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV02	SELogic Variable Input (SELogic)		PB01 OR PB02 OR PB03 OR PB04
SV03PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV03DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV03	SELogic Variable Input (SELogic)		LT03
SV04PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV04DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV04	SELogic Variable Input (SELogic)		LT04
SV05PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,25
SV05DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,25
SV05	SELogic Variable Input (SELogic)		(PB01 OR PB02 OR LT03 OR LT04) AND NOT SV05T
SV06PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV06DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV06	SELogic Variable Input (SELogic)		NA
SV07PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV07DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV07	SELogic Variable Input (SELogic)		NA
SV08PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV08DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV08	SELogic Variable Input (SELogic)		NA
SV09PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV09DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV09	SELogic Variable Input (SELogic)		NA
SV10PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV10DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV10	SELogic Variable Input (SELogic)		NA
SV11PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV11DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV11	SELogic Variable Input (SELogic)		NA
SV12PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV12DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV12	SELogic Variable Input (SELogic)		TRIP1 OR TRIP2 OR TRIPXFMR
SV13PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV13DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV13	SELogic Variable Input (SELogic)		87R OR 87U
SV14PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV14DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00

SV14	SELogic Variable Input (SELogic)		NOT IRIGOK
SV15PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV15DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV15	SELogic Variable Input (SELogic)		NA
SV16PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV16DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV16	SELogic Variable Input (SELogic)		NA
SV17PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV17DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV17	SELogic Variable Input (SELogic)		NA
SV18PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV18DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV18	SELogic Variable Input (SELogic)		NA
SV19PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV19DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV19	SELogic Variable Input (SELogic)		NA
SV20PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV20DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV20	SELogic Variable Input (SELogic)		NA
SV21PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV21DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV21	SELogic Variable Input (SELogic)		NA
SV22PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV22DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV22	SELogic Variable Input (SELogic)		NA
SV23PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV23DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV23	SELogic Variable Input (SELogic)		NA
SV24PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV24DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV24	SELogic Variable Input (SELogic)		NA
SV25PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV25DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV25	SELogic Variable Input (SELogic)		NA
SV26PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV26DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV26	SELogic Variable Input (SELogic)		NA
SV27PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV27DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV27	SELogic Variable Input (SELogic)		NA
SV28PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV28DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV28	SELogic Variable Input (SELogic)		NA

SV29PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV29DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV29	SELogic Variable Input (SELogic)		NA
SV30PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV30DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV30	SELogic Variable Input (SELogic)		NA
SV31PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV31DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV31	SELogic Variable Input (SELogic)		NA
SV32PU	SELogic Variable Timer Pickup (seconds)	Range = 0.00-3000.00	0,00
SV32DO	SELogic Variable Timer Dropout (seconds)	Range = 0.00-3000.00	0,00
SV32	SELogic Variable Input (SELogic)		NA
SC01PV	Counter Preset Value	Range = 1-65000	1
SC01R	Counter Reset Input (SELogic)		NA
SC01LD	Counter Load PV Input (SELogic)		NA
SC01CU	Count-Up Input (SELogic)		NA
SC01CD	Count-Down Input (SELogic)		NA
SC02PV	Counter Preset Value	Range = 1-65000	1
SC02R	Counter Reset Input (SELogic)		NA
SC02LD	Counter Load PV Input (SELogic)		NA
SC02CU	Count-Up Input (SELogic)		NA
SC02CD	Count-Down Input (SELogic)		NA
SC03PV	Counter Preset Value	Range = 1-65000	1
SC03R	Counter Reset Input (SELogic)		NA
SC03LD	Counter Load PV Input (SELogic)		NA
SC03CU	Count-Up Input (SELogic)		NA
SC03CD	Count-Down Input (SELogic)		NA
SC04PV	Counter Preset Value	Range = 1-65000	1
SC04R	Counter Reset Input (SELogic)		NA
SC04LD	Counter Load PV Input (SELogic)		NA
SC04CU	Count-Up Input (SELogic)		NA
SC04CD	Count-Down Input (SELogic)		NA
SC05PV	Counter Preset Value	Range = 1-65000	1
SC05R	Counter Reset Input (SELogic)		NA
SC05LD	Counter Load PV Input (SELogic)		NA
SC05CU	Count-Up Input (SELogic)		NA
SC05CD	Count-Down Input (SELogic)		NA
SC06PV	Counter Preset Value	Range = 1-65000	1
SC06R	Counter Reset Input (SELogic)		NA
SC06LD	Counter Load PV Input (SELogic)		NA
SC06CU	Count-Up Input (SELogic)		NA
SC06CD	Count-Down Input (SELogic)		NA
SC07PV	Counter Preset Value	Range = 1-65000	1

SC07R	Counter Reset Input (SELogic)		NA
SC07LD	Counter Load PV Input (SELogic)		NA
SC07CU	Count-Up Input (SELogic)		NA
SC07CD	Count-Down Input (SELogic)		NA
SC08PV	Counter Preset Value	Range = 1-65000	1
SC08R	Counter Reset Input (SELogic)		NA
SC08LD	Counter Load PV Input (SELogic)		NA
SC08CU	Count-Up Input (SELogic)		NA
SC08CD	Count-Down Input (SELogic)		NA
SC09PV	Counter Preset Value	Range = 1-65000	1
SC09R	Counter Reset Input (SELogic)		NA
SC09LD	Counter Load PV Input (SELogic)		NA
SC09CU	Count-Up Input (SELogic)		NA
SC09CD	Count-Down Input (SELogic)		NA
SC10PV	Counter Preset Value	Range = 1-65000	1
SC10R	Counter Reset Input (SELogic)		NA
SC10LD	Counter Load PV Input (SELogic)		NA
SC10CU	Count-Up Input (SELogic)		NA
SC10CD	Count-Down Input (SELogic)		NA
SC11PV	Counter Preset Value	Range = 1-65000	1
SC11R	Counter Reset Input (SELogic)		NA
SC11LD	Counter Load PV Input (SELogic)		NA
SC11CU	Count-Up Input (SELogic)		NA
SC11CD	Count-Down Input (SELogic)		NA
SC12PV	Counter Preset Value	Range = 1-65000	1
SC12R	Counter Reset Input (SELogic)		NA
SC12LD	Counter Load PV Input (SELogic)		NA
SC12CU	Count-Up Input (SELogic)		NA
SC12CD	Count-Down Input (SELogic)		NA
SC13PV	Counter Preset Value	Range = 1-65000	1
SC13R	Counter Reset Input (SELogic)		NA
SC13LD	Counter Load PV Input (SELogic)		NA
SC13CU	Count-Up Input (SELogic)		NA
SC13CD	Count-Down Input (SELogic)		NA
SC14PV	Counter Preset Value	Range = 1-65000	1
SC14R	Counter Reset Input (SELogic)		NA
SC14LD	Counter Load PV Input (SELogic)		NA
SC14CU	Count-Up Input (SELogic)		NA
SC14CD	Count-Down Input (SELogic)		NA
SC15PV	Counter Preset Value	Range = 1-65000	1
SC15R	Counter Reset Input (SELogic)		NA
SC15LD	Counter Load PV Input (SELogic)		NA
SC15CU	Count-Up Input (SELogic)		NA

SC15CD	Count-Down Input (SELogic)		NA
SC16PV	Counter Preset Value	Range = 1-65000	1
SC16R	Counter Reset Input (SELogic)		NA
SC16LD	Counter Load PV Input (SELogic)		NA
SC16CU	Count-Up Input (SELogic)		NA
SC16CD	Count-Down Input (SELogic)		NA
SC17PV	Counter Preset Value	Range = 1-65000	1
SC17R	Counter Reset Input (SELogic)		NA
SC17LD	Counter Load PV Input (SELogic)		NA
SC17CU	Count-Up Input (SELogic)		NA
SC17CD	Count-Down Input (SELogic)		NA
SC18PV	Counter Preset Value	Range = 1-65000	1
SC18R	Counter Reset Input (SELogic)		NA
SC18LD	Counter Load PV Input (SELogic)		NA
SC18CU	Count-Up Input (SELogic)		NA
SC18CD	Count-Down Input (SELogic)		NA
SC19PV	Counter Preset Value	Range = 1-65000	1
SC19R	Counter Reset Input (SELogic)		NA
SC19LD	Counter Load PV Input (SELogic)		NA
SC19CU	Count-Up Input (SELogic)		NA
SC19CD	Count-Down Input (SELogic)		NA
SC20PV	Counter Preset Value	Range = 1-65000	1
SC20R	Counter Reset Input (SELogic)		NA
SC20LD	Counter Load PV Input (SELogic)		NA
SC20CU	Count-Up Input (SELogic)		NA
SC20CD	Count-Down Input (SELogic)		NA
SC21PV	Counter Preset Value	Range = 1-65000	1
SC21R	Counter Reset Input (SELogic)		NA
SC21LD	Counter Load PV Input (SELogic)		NA
SC21CU	Count-Up Input (SELogic)		NA
SC21CD	Count-Down Input (SELogic)		NA
SC22PV	Counter Preset Value	Range = 1-65000	1
SC22R	Counter Reset Input (SELogic)		NA
SC22LD	Counter Load PV Input (SELogic)		NA
SC22CU	Count-Up Input (SELogic)		NA
SC22CD	Count-Down Input (SELogic)		NA
SC23PV	Counter Preset Value	Range = 1-65000	1
SC23R	Counter Reset Input (SELogic)		NA
SC23LD	Counter Load PV Input (SELogic)		NA
SC23CU	Count-Up Input (SELogic)		NA
SC23CD	Count-Down Input (SELogic)		NA
SC24PV	Counter Preset Value	Range = 1-65000	1
SC24R	Counter Reset Input (SELogic)		NA

SC24LD	Counter Load PV Input (SELogic)		NA
SC24CU	Count-Up Input (SELogic)		NA
SC24CD	Count-Down Input (SELogic)		NA
SC25PV	Counter Preset Value	Range = 1-65000	1
SC25R	Counter Reset Input (SELogic)		NA
SC25LD	Counter Load PV Input (SELogic)		NA
SC25CU	Count-Up Input (SELogic)		NA
SC25CD	Count-Down Input (SELogic)		NA
SC26PV	Counter Preset Value	Range = 1-65000	1
SC26R	Counter Reset Input (SELogic)		NA
SC26LD	Counter Load PV Input (SELogic)		NA
SC26CU	Count-Up Input (SELogic)		NA
SC26CD	Count-Down Input (SELogic)		NA
SC27PV	Counter Preset Value	Range = 1-65000	1
SC27R	Counter Reset Input (SELogic)		NA
SC27LD	Counter Load PV Input (SELogic)		NA
SC27CU	Count-Up Input (SELogic)		NA
SC27CD	Count-Down Input (SELogic)		NA
SC28PV	Counter Preset Value	Range = 1-65000	1
SC28R	Counter Reset Input (SELogic)		NA
SC28LD	Counter Load PV Input (SELogic)		NA
SC28CU	Count-Up Input (SELogic)		NA
SC28CD	Count-Down Input (SELogic)		NA
SC29PV	Counter Preset Value	Range = 1-65000	1
SC29R	Counter Reset Input (SELogic)		NA
SC29LD	Counter Load PV Input (SELogic)		NA
SC29CU	Count-Up Input (SELogic)		NA
SC29CD	Count-Down Input (SELogic)		NA
SC30PV	Counter Preset Value	Range = 1-65000	1
SC30R	Counter Reset Input (SELogic)		NA
SC30LD	Counter Load PV Input (SELogic)		NA
SC30CU	Count-Up Input (SELogic)		NA
SC30CD	Count-Down Input (SELogic)		NA
SC31PV	Counter Preset Value	Range = 1-65000	1
SC31R	Counter Reset Input (SELogic)		NA
SC31LD	Counter Load PV Input (SELogic)		NA
SC31CU	Count-Up Input (SELogic)		NA
SC31CD	Count-Down Input (SELogic)		NA
SC32PV	Counter Preset Value	Range = 1-65000	1
SC32R	Counter Reset Input (SELogic)		NA
SC32LD	Counter Load PV Input (SELogic)		NA
SC32CU	Count-Up Input (SELogic)		NA
SC32CD	Count-Down Input (SELogic)		NA

MV01	(SELogic)		NA
MV02	(SELogic)		NA
MV03	(SELogic)		NA
MV04	(SELogic)		NA
MV05	(SELogic)		NA
MV06	(SELogic)		NA
MV07	(SELogic)		NA
MV08	(SELogic)		NA
MV09	(SELogic)		NA
MV10	(SELogic)		NA
MV11	(SELogic)		NA
MV12	(SELogic)		NA
MV13	(SELogic)		NA
MV14	(SELogic)		NA
MV15	(SELogic)		NA
MV16	(SELogic)		NA
MV17	(SELogic)		NA
MV18	(SELogic)		NA
MV19	(SELogic)		NA
MV20	(SELogic)		NA
MV21	(SELogic)		NA
MV22	(SELogic)		NA
MV23	(SELogic)		NA
MV24	(SELogic)		NA
MV25	(SELogic)		NA
MV26	(SELogic)		NA
MV27	(SELogic)		NA
MV28	(SELogic)		NA
MV29	(SELogic)		NA
MV30	(SELogic)		NA
MV31	(SELogic)		NA
MV32	(SELogic)		NA
OUT101FS	OUT101 Fail-Safe	Select: Y, N	N
OUT101	(SELogic)		TR2 OR TRIPXFMR #DISPARO BOBINA 1-INTERRUPTOR - 52ET2
OUT102FS	OUT102 Fail-Safe	Select: Y, N	N
OUT102	(SELogic)		TR2 OR TRIPXFMR #DISPARO BOBINA 2-INTERRUPTOR - 52ET2
OUT103FS	OUT103 Fail-Safe	Select: Y, N	Y
			SALARM OR HALARM

OUT103	(SELogic)		#CONTACTO DE ALARMA NORMAL CERRADO
OUT301FS	OUT301 Fail-Safe	Select: Y, N	N
OUT301	(SELogic)		TR2 OR TRIPXFMR #DISPARO BOBINA 1-INTERRUPTOR - 52C1
OUT302FS	OUT302 Fail-Safe	Select: Y, N	N
OUT302	(SELogic)		TR2 OR TRIPXFMR #DISPARO BOBINA 2-INTERRUPTOR - 52C1
OUT303FS	OUT303 Fail-Safe	Select: Y, N	N
OUT303	(SELogic)		TRIPXFMR #TRIP DESDE PROTECCIONES/OPERAR -K86T
OUT304FS	OUT304 Fail-Safe	Select: Y, N	N
OUT304	(SELogic)		LT05 #AVISO DE DISPARO - K86T/PILOTO
OUT401FS	OUT401 Fail-Safe	Select: Y, N	N
OUT401	(SELogic)		TR2 OR TRIPXFMR #AVISO DE TRIP
OUT402FS	OUT402 Fail-Safe	Select: Y, N	N
OUT402	(SELogic)		0
OUT403FS	OUT403 Fail-Safe	Select: Y, N	N
OUT403	(SELogic)		0
OUT404FS	OUT404 Fail-Safe	Select: Y, N	N
OUT404	(SELogic)		0

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Setting	Description	Range	Value
ER	Event Report Trigger (SELogic)		F_TRIG 52A1 OR F_TRIG 52A2 OR R_TRIG 87BL1 OR R_TRIG 87BL2 OR R_TRIG 87BL3 OR R_TRIG 51P2P OR R_TRIG 51G2P
LER	Length of Event Report (cycles)	Select: 15, 64	64
PRE	Prefault Length (cycles)	Range = 1-59	15
ESERDEL	Auto-Removal Enable	Select: Y, N	N
SER1	(24 relay word bits)		IN101 IN102 IN301 IN302 IN303 IN304 IN401 IN402 IN403 IN404 PB01 PB02 PB03 PB04 52A1 52A2 TRIP1 TRIP2 TRIPX FMR
SER2	(24 relay word bits)		ORED51T ORED50T 87U 87R 87BL1 87BL2 87BL3 87U3 87U2 87U1 87R3 87R2 87R1
SER3	(24 relay word bits)		51P2P 51P2T 52A1 52A2 OUT101 OUT102 OUT103 OUT301 OUT302 OUT303 51G2P 51G2T
SER4	(24 relay word bits)		SALARM OUT304 SV12 SV13 SV14 OUT401 OUT303 OUT302 OUT301 OUT103 OUT102 OUT101
EALIAS	Enable ALIAS Settings	Range = N,1-20	4
ALIAS1	(59 characters)		PB01 FP_LOCK PICKUP DROPOUT
ALIAS2	(59 characters)		PB02 FP_BRKR_SELECT PICKUP DROPOUT
ALIAS3	(59 characters)		PB03 FP_CLOSE PICKUP DROPOUT
ALIAS4	(59 characters)		PB04 FP_TRIP PICKUP DROPOUT
LDLIST	Load Profile List (17 Analog Quantities)		NA
LDAR	Load Profile Acquisition Rate (minutes)	Select: 5, 10, 15, 30, 60	15

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