

APÉNDICE IV – DIAGNÓSTICO DEL SISTEMA DE TRANSMISIÓN ZONAL

GERENCIA DE PLANIFICACIÓN Y DESARROLLO DE LA RED

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1. APÉNDICE V – DIAGNÓSTICO DEL SISTEMA DE TRANSMISIÓN ZONAL

1.1 ZONA ARICA – DIEGO DE ALMAGRO

1.1.1 TRANSFORMADORES AT/MT

Tabla 1-1. Cargabilidad de transformadores AT/MT, zona Arica – Diego de Almagro.

TRANSFORMADOR	2020	2021	2022	2023	2024	2025	2026
ALTO HOSPICIO 110/13,8 kV 30 MVA	58%	62%	64%	66%	69%	71%	74%
ANTOFAGASTA 110/13,8 kV N°1 30 MVA	67%	22%	23%	24%	24%	25%	26%
ARICA 66/13,8 kV N°2 20 MVA	37%	39%	41%	42%	44%	45%	47%
ATACAMA 220/23 kV N°1 30 MVA	19%	19%	20%	20%	21%	21%	21%
CALAMA 105/23 kV 30 MVA (Nuevo)	57%	60%	62%	65%	67%	69%	72%
CALAMA 105/23 kV N°4 33 MVA	60%	63%	66%	68%	71%	73%	76%
CALAMA 110/23 kV N°1 33 MVA	64%	68%	71%	73%	76%	79%	82%
CENTRO 110/13,8 kV N°2 41 MVA	37%	39%	40%	41%	43%	44%	46%
CENTRO 110/23 kV N°1 41 MVA	54%	53%	55%	57%	59%	61%	63%
CENTRO 110/23-13,8 kV 50 MVA (Nuevo)	37%	39%	40%	41%	43%	44%	46%
CERRO DRAGÓN 110/13,8 kV 33 MVA	64%	68%	70%	73%	76%	78%	81%
CHINCHORRO 66/13,8 kV 16 MVA (Nuevo)	0%	0%	54%	56%	58%	60%	62%
CHINCHORRO 66/13,8 kV 30 MVA	75%	80%	54%	56%	58%	60%	62%
EL ÁGUILA 66/24-13,8 kV 10 MVA	0%	0%	0%	0%	0%	0%	0%
GUARDIAMARINA 110/13,8 50 MVA (Nuevo)	0%	36%	37%	39%	40%	42%	43%
GUARDIAMARINA 110/23 30 MVA (Nuevo)	0%	33%	34%	35%	37%	38%	39%
IQUIQUE 66/13,8 kV N°1 20 MVA	0%	0%	0%	0%	0%	0%	0%
IQUIQUE 66/13,8 kV N°1 20 MVA	0%	0%	0%	0%	0%	0%	0%
LA PORTADA 110/23 kV N°3 20 MVA	73%	56%	58%	60%	62%	65%	67%
LA PORTADA 110/23 kV N°1 20 MVA	60%	51%	53%	55%	57%	59%	61%
LAGUNAS 220/23 kV 24 MVA	23%	24%	25%	26%	27%	28%	29%

MEJILLONES 220/23 kV 40 MVA	0%	0%	0%	0%	0%	0%	0%
PACÍFICO 110/13,8 kV 33 MVA	73%	77%	80%	83%	86%	90%	93%
PALAFITOS 110/13,8 kV 33 MVA	75%	80%	83%	39%	40%	42%	43%
PALAFITOS 110/13,8 kV 40 MVA (Nuevo)	0%	0%	0%	39%	40%	42%	43%
POZO ALMONTE 110/23 kV 30 MVA (Nuevo)	0%	0%	27%	27%	28%	28%	29%
PUKARÁ 66/13,8 kV N°1 21 MVA	67%	71%	74%	77%	80%	83%	86%
PUKARÁ 66/13,8 kV N°2 21 MVA	65%	69%	72%	75%	78%	80%	83%
QUIANI 66/13,8 kV 20 MVA (Nuevo)	34%	37%	38%	39%	41%	42%	44%
QUIANI 66/13,8 kV N°1 5,6 MVA	34%	37%	38%	39%	41%	42%	44%
QUIANI 66/13,8 kV N°2 5,6 MVA	34%	37%	38%	39%	41%	42%	44%
SUR 110/13,8 kV 21 MVA	64%	67%	69%	72%	74%	76%	79%
TAP OFF CERRO BALCÓN 110/13,8 kV 25 kVA	33%	33%	33%	33%	33%	33%	33%
TAP OFF CHIZA 110/13,8 kV 25 kVA	4%	4%	4%	4%	4%	4%	4%
TAP OFF CUYA 110/13,8 kV 25 MVA	0%	0%	0%	0%	0%	0%	0%
TAP OFF DOLORES 110/24 kV 15 MVA (Reemplazo)	54%	57%	60%	62%	64%	66%	69%
TAP OFF DOLORES 110/24 kV 2,8 MVA	40%	42%	44%	46%	47%	49%	51%
TAP OFF EL NEGRO 110/23 kV 30 MVA	0%	0%	0%	0%	0%	0%	0%
TAP OFF LA NEGRA 110/23 kV 1 20 MVA	61%	65%	68%	70%	73%	75%	78%
TAP OFF LA NEGRA 110/23 kV 2 10 MVA	52%	55%	57%	59%	61%	63%	66%
TAP OFF MAL PASO 110/13,8 kV 25 kVA	12%	12%	12%	12%	12%	12%	12%
TAP OFF VÍTOR 110/13,8 kV 25 MVA	24%	26%	27%	28%	29%	30%	31%
TAP OFF VÍTOR N°2 MÓVIL 110/23 kV 30 MVA	19%	19%	19%	19%	19%	19%	19%
TOCOPILLA 23/5 kV N°1 10 MVA	53%	56%	58%	60%	62%	65%	67%
TOCOPILLA 23/5 kV N°1 5MVA	0%	0%	0%	0%	0%	0%	0%
URIBE 110/23 kV 21 MVA	35%	37%	38%	40%	41%	43%	44%

1.1.2 TRANSFORMADORES AT/AT

Tabla 1-2. Cargabilidad de transformadores AT/AT en escenario Verano Día, zona Arica – Diego de Almagro.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Arica 110/66/13,8 kV 30 MVA	34%	36%	37%	39%	42%	45%	47%
Calama 220/110/23 kV 150 MVA	16%	18%	9%	10%	10%	11%	11%
Capricornio 220/110/13,8 kV 88 MVA	50%	43%	48%	9%	9%	9%	9%
Cóndores 220/115/13,8 kV 185 MVA	34%	36%	37%	38%	40%	41%	43%
El Peñón 110/66/13,2 kV 30 MVA	37%	39%	40%	41%	41%	42%	44%
Esmeralda 220/115/13,8 kV 150 MVA	46%	62%	65%	64%	67%	71%	74%
Mejillones 220/115/13,8 kV 100 MVA	25%	25%	25%	25%	27%	27%	29%
Parinacota 220/69/13,8 kV 96 MVA	59%	63%	65%	67%	69%	72%	75%
Pozo Almonte 110/66/13,8 kV N°1 90 MVA	27%	27%	9%	9%	9%	9%	9%
Pozo Almonte 220/115/13,8 kV N°2 100 MVA	32%	32%	32%	32%	32%	32%	32%
Pozo Almonte 220/115/13,8 kV N°5 100 MVA	32%	31%	32%	31%	32%	32%	31%

Tabla 1-3. Cargabilidad de transformadores AT/AT en escenario Verano Noche, zona Arica – Diego de Almagro.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Arica 110/66/13,8 kV 30 MVA	37%	37%	38%	38%	38%	38%	38%
Calama 220/110/23 kV 150 MVA	21%	23%	12%	12%	13%	14%	14%
Capricornio 220/110/13,8 kV 88 MVA	47%	43%	43%	6%	8%	9%	9%
Cóndores 220/115/13,8 kV 185 MVA	32%	34%	34%	36%	37%	38%	40%
El Peñón 110/66/13,2 kV 30 MVA	34%	35%	36%	37%	38%	39%	40%
Esmeralda 220/115/13,8 kV 150 MVA	73%	79%	82%	81%	84%	86%	89%
Mejillones 220/115/13,8 kV 100 MVA	25%	31%	31%	36%	37%	39%	41%
Parinacota 220/69/13,8 kV 96 MVA	55%	59%	59%	61%	63%	66%	69%
Pozo Almonte 110/66/13,8 kV N°1 90 MVA	26%	27%	9%	9%	9%	9%	9%

Pozo Almonte 220/115/13,8 kV N°2 100 MVA	32%	32%	32%	32%	31%	31%	31%
Pozo Almonte 220/115/13,8 kV N°5 100 MVA	32%	31%	31%	32%	31%	31%	31%

Tabla 1-4. Cargabilidad de transformadores AT/AT en escenario Invierno Día, zona Arica – Diego de Almagro.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Arica 110/66/13,8 kV 30 MVA	35%	34%	35%	37%	38%	41%	43%
Calama 220/110/23 kV 150 MVA	22%	24%	13%	13%	14%	14%	15%
Capricornio 220/110/13,8 kV 88 MVA	57%	46%	51%	9%	10%	10%	10%
Cóndores 220/115/13,8 kV 185 MVA	33%	35%	35%	37%	38%	39%	41%
El Peñón 110/66/13,2 kV 30 MVA	34%	36%	37%	38%	39%	40%	40%
Esmeralda 220/115/13,8 kV 150 MVA	67%	75%	78%	76%	79%	81%	85%
Mejillones 220/115/13,8 kV 100 MVA	25%	29%	31%	37%	37%	39%	40%
Parinacota 220/69/13,8 kV 96 MVA	54%	58%	59%	61%	63%	65%	68%
Pozo Almonte 110/66/13,8 kV N°1 90 MVA	27%	27%	9%	9%	9%	9%	9%
Pozo Almonte 220/115/13,8 kV N°2 100 MVA	32%	32%	32%	32%	32%	32%	32%
Pozo Almonte 220/115/13,8 kV N°5 100 MVA	32%	32%	31%	32%	31%	31%	31%

Tabla 1-5. Cargabilidad de transformadores AT/AT en escenario Invierno Noche, zona Arica – Diego de Almagro.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Arica 110/66/13,8 kV 30 MVA	36%	36%	37%	37%	37%	37%	37%
Calama 220/110/23 kV 150 MVA	28%	31%	16%	16%	17%	18%	19%
Capricornio 220/110/13,8 kV 88 MVA	57%	47%	51%	10%	8%	10%	10%
Cóndores 220/115/13,8 kV 185 MVA	31%	34%	34%	35%	36%	38%	39%
El Peñón 110/66/13,2 kV 30 MVA	19%	19%	20%	20%	21%	21%	22%
Esmeralda 220/115/13,8 kV 150 MVA	70%	77%	80%	78%	81%	83%	86%
Mejillones 220/115/13,8 kV 100 MVA	25%	31%	32%	38%	39%	41%	42%
Parinacota 220/69/13,8 kV 96 MVA	53%	57%	57%	59%	61%	63%	66%

Pozo Almonte 110/66/13,8 kV N°1 90 MVA	27%	27%	9%	9%	9%	9%	9%
Pozo Almonte 220/115/13,8 kV N°2 100 MVA	32%	32%	32%	32%	31%	31%	31%
Pozo Almonte 220/115/13,8 kV N°5 100 MVA	32%	31%	31%	31%	31%	31%	31%

1.1.3 LÍNEAS DE TRANSMISIÓN

Tabla 1-6. Cargabilidad de líneas de transmisión en escenario Verano Día, zona Arica – Diego de Almagro.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Antofagasta - Guardia Marina	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Desalant - Guardia Marina	0%	10%	11%	17%	19%	19%	21%
1x110 kV La Negra - Antofagasta	18%	21%	21%	6%	6%	7%	6%
1x110 kV Arica - Tap Mal Paso	12%	13%	13%	14%	15%	16%	17%
1x110 kV Capricornio - Salar del Carmen	27%	22%	22%	7%	7%	7%	7%
1x110 kV El Negro - Capricornio	31%	29%	29%	11%	11%	11%	11%
1x110 kV Cóndores - Pacífico	19%	21%	21%	22%	23%	24%	25%
1x110 kV Cóndores - Palafitos	12%	12%	13%	13%	13%	14%	14%
1x110 kV Cóndores - Tap Alto Hospicio	19%	21%	22%	22%	23%	24%	25%
1x110 kV Esmeralda - Centro	45%	46%	47%	48%	50%	52%	54%
1x110 kV Esmeralda - Guardia Marina	18%	34%	34%	32%	32%	33%	34%
1x110 kV La Portada - Guardia Marina	0%	15%	15%	16%	17%	17%	18%
1x110 kV Esmeralda - Sur	9%	9%	10%	10%	10%	11%	11%
1x110 kV Tap Off Alto Hospicio - Alto Hospicio	10%	10%	11%	11%	11%	12%	12%
1x110 kV Tap Alto Hospicio - Cerro Dragón	10%	10%	11%	11%	12%	12%	13%
1x110 kV Salar del Carmen - Antofagasta	27%	22%	22%	7%	7%	7%	8%
1x110 kV Mejillones - Tap Desalant	13%	22%	24%	30%	32%	32%	34%
1x110 kV Tap Off Dolores - Pozo Almonte	8%	9%	9%	10%	11%	12%	13%
1x110 kV Salar del Carmen - Tap Uribe	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Cuya - Tap Vítor 2	4%	5%	6%	7%	8%	9%	9%
2x13,8 kV C.D. Antofagasta - Antofagasta C1	55%	17%	18%	18%	19%	20%	20%
2x13,8 kV C.D. Antofagasta - Antofagasta C2	51%	16%	17%	17%	18%	18%	19%

1x220 kV Atacama - Esmeralda	23%	30%	32%	31%	33%	35%	36%
1x110 kV La Negra - La Negra	33%	35%	36%	37%	39%	40%	42%
1x66 kV (Ei1) Tap Quiani-Quiani- Quiani	37%	39%	40%	41%	43%	45%	47%
1x66 kV Parinacota- Chinchorro	30%	32%	32%	33%	34%	36%	38%
1x66 kV (Ei1) Tap Quiani-Quiani- Parinacota	12%	13%	14%	14%	15%	15%	16%
1x66 kV Parinacota- Pukará	29%	31%	32%	33%	34%	36%	37%
1x66 kV (Ei1) Tap Quiani-Quiani- Tap Quiani	0%	0%	0%	0%	0%	0%	0%

Tabla 1-7. Cargabilidad de líneas de transmisión en escenario Verano Noche, zona Arica – Diego de Almagro.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Antofagasta - Guardia Marina	0%	1%	1%	1%	1%	1%	1%
1x110 kV Tap Desalant - Guardia Marina	1%	25%	26%	32%	34%	36%	39%
1x110 kV La Negra - Antofagasta	21%	24%	24%	7%	8%	8%	8%
1x110 kV Arica - Tap Mal Paso	5%	5%	5%	5%	5%	5%	5%
1x110 kV Capricornio - Salar del Carmen	28%	24%	24%	7%	8%	8%	8%
1x110 kV El Negro - Capricornio	30%	28%	29%	10%	11%	11%	11%
1x110 kV Cóndores - Pacífico	12%	13%	13%	13%	14%	14%	15%
1x110 kV Cóndores - Palafitos	13%	14%	14%	14%	15%	15%	16%
1x110 kV Cóndores - Tap Alto Hospicio	29%	31%	32%	33%	34%	36%	37%
1x110 kV Esmeralda - Centro	45%	47%	48%	50%	52%	53%	56%
1x110 kV Esmeralda - Guardia Marina	22%	26%	27%	24%	25%	25%	26%
1x110 kV La Portada - Guardia Marina	0%	18%	19%	19%	20%	21%	22%
1x110 kV Esmeralda - Sur	12%	13%	13%	13%	14%	14%	15%
1x110 kV Tap Off Alto Hospicio - Alto Hospicio	15%	16%	16%	16%	17%	18%	18%
1x110 kV Tap Alto Hospicio - Cerro Dragón	15%	16%	16%	17%	17%	18%	19%
1x110 kV Salar del Carmen - Antofagasta	28%	24%	24%	7%	8%	8%	8%
1x110 kV Mejillones - Tap Desalant	15%	41%	41%	47%	50%	52%	54%
1x110 kV Tap Off Dolores - Pozo Almonte	13%	12%	12%	12%	12%	12%	12%
1x110 kV Salar del Carmen - Tap Uribe	0%	0%	0%	0%	0%	0%	0%

1x110 kV Tap Cuya - Tap Vitor 2	13%	13%	13%	13%	13%	13%	13%
2x13,8 kV C.D. Antofagasta - Antofagasta C1	43%	14%	14%	15%	15%	16%	16%
2x13,8 kV C.D. Antofagasta - Antofagasta C2	40%	13%	13%	14%	14%	15%	15%
1x220 kV Atacama - Esmeralda	56%	60%	63%	62%	64%	66%	68%
1x110 kV La Negra - La Negra	32%	34%	36%	37%	38%	40%	41%
1x66 kV (Ei1) Tap Quiani-Quiani- Quiani	33%	36%	36%	37%	38%	40%	42%
1x66 kV Parinacota- Chinchorro	28%	30%	30%	31%	32%	34%	35%
1x66 kV (Ei1) Tap Quiani-Quiani- Parinacota	11%	12%	12%	13%	13%	14%	14%
1x66 kV Parinacota- Pukará	32%	34%	34%	35%	36%	38%	40%
1x66 kV (Ei1) Tap Quiani-Quiani- Tap Quiani	0%	0%	0%	0%	0%	0%	0%

Tabla 1-8. Cargabilidad de líneas de transmisión en escenario Invierno Día, zona Arica – Diego de Almagro.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Antofagasta - Guardia Marina	0%	1%	1%	1%	1%	1%	1%
1x110 kV Tap Desalant - Guardia Marina	1%	24%	25%	33%	34%	36%	37%
1x110 kV La Negra - Antofagasta	19%	22%	22%	7%	7%	7%	7%
1x110 kV Arica - Tap Mal Paso	12%	13%	14%	15%	16%	17%	18%
1x110 kV Capricornio - Salar del Carmen	30%	23%	24%	8%	8%	8%	8%
1x110 kV El Negro - Capricornio	34%	31%	31%	11%	11%	11%	12%
1x110 kV Cóndores - Pacífico	22%	23%	23%	24%	25%	26%	27%
1x110 kV Cóndores - Palafitos	11%	12%	12%	13%	13%	14%	14%
1x110 kV Cóndores - Tap Alto Hospicio	19%	21%	21%	22%	23%	24%	25%
1x110 kV Esmeralda - Centro	33%	34%	35%	36%	37%	39%	40%
1x110 kV Esmeralda - Guardia Marina	19%	27%	27%	24%	25%	26%	27%
1x110 kV La Portada - Guardia Marina	0%	16%	17%	17%	18%	19%	19%
1x110 kV Esmeralda - Sur	10%	11%	11%	12%	12%	13%	13%
1x110 kV Tap Off Alto Hospicio - Alto Hospicio	9%	10%	10%	10%	11%	11%	12%
1x110 kV Tap Alto Hospicio - Cerro Dragón	10%	10%	11%	11%	12%	12%	13%
1x110 kV Salar del Carmen - Antofagasta	30%	24%	24%	8%	8%	8%	8%

1x110 kV Mejillones - Tap Desalant	13%	34%	36%	43%	43%	45%	46%
1x110 kV Tap Off Dolores - Pozo Almonte	9%	9%	10%	10%	11%	11%	12%
1x110 kV Salar del Carmen - Tap Uribe	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Cuya - Tap Vitor 2	6%	6%	7%	7%	8%	8%	9%
2x13,8 kV C.D. Antofagasta - Antofagasta C1	66%	21%	22%	22%	23%	24%	25%
2x13,8 kV C.D. Antofagasta - Antofagasta C2	61%	19%	20%	21%	21%	22%	23%
1x220 kV Atacama - Esmeralda	32%	37%	38%	37%	39%	40%	42%
1x110 kV La Negra - La Negra	41%	44%	45%	47%	49%	51%	52%
1x66 kV (Ei1) Tap Quiani-Quiani- Quiani	35%	37%	38%	39%	40%	42%	44%
1x66 kV Parinacota- Chinchorro	26%	28%	28%	29%	30%	32%	33%
1x66 kV (Ei1) Tap Quiani-Quiani- Parinacota	12%	13%	13%	13%	14%	14%	15%
1x66 kV Parinacota- Pukará	36%	39%	39%	41%	42%	44%	46%
1x66 kV (Ei1) Tap Quiani-Quiani- Tap Quiani	0%	0%	0%	0%	0%	0%	0%

Tabla 1-9. Cargabilidad de líneas de transmisión en escenario Invierno Noche, zona Arica – Diego de Almagro.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Antofagasta - Guardia Marina	0%	1%	1%	1%	1%	1%	1%
1x110 kV Tap Desalant - Guardia Marina	1%	25%	27%	35%	36%	38%	40%
1x110 kV La Negra - Antofagasta	23%	27%	27%	8%	7%	8%	8%
1x110 kV Arica - Tap Mal Paso	4%	4%	4%	4%	5%	5%	5%
1x110 kV Capricornio - Salar del Carmen	35%	28%	29%	9%	9%	9%	10%
1x110 kV El Negro - Capricornio	34%	31%	31%	11%	11%	12%	12%
1x110 kV Cóndores - Pacífico	14%	15%	15%	16%	16%	17%	18%
1x110 kV Cóndores - Palafitos	13%	14%	14%	15%	15%	16%	16%
1x110 kV Cóndores - Tap Alto Hospicio	31%	34%	34%	36%	37%	38%	40%
1x110 kV Esmeralda - Centro	40%	42%	43%	45%	46%	48%	50%
1x110 kV Esmeralda - Guardia Marina	25%	32%	33%	29%	31%	31%	32%
1x110 kV La Portada - Guardia Marina	0%	21%	22%	23%	23%	24%	25%
1x110 kV Esmeralda - Sur	14%	14%	15%	15%	16%	16%	17%

1x110 kV Tap Off Alto Hospicio - Alto Hospicio	16%	17%	18%	18%	19%	20%	20%
1x110 kV Tap Alto Hospicio - Cerro Dragón	14%	16%	16%	16%	17%	18%	19%
1x110 kV Salar del Carmen - Antofagasta	35%	28%	29%	9%	9%	10%	10%
1x110 kV Mejillones - Tap Desalant	16%	43%	45%	53%	54%	56%	59%
1x110 kV Tap Off Dolores - Pozo Almonte	9%	9%	9%	9%	9%	8%	8%
1x110 kV Salar del Carmen - Tap Uribe	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Cuya - Tap Vitor 2	9%	9%	8%	8%	8%	8%	7%
2x13,8 kV C.D. Antofagasta - Antofagasta C1	62%	20%	20%	21%	22%	22%	23%
2x13,8 kV C.D. Antofagasta - Antofagasta C2	57%	18%	19%	19%	20%	21%	22%
1x220 kV Atacama - Esmeralda	60%	67%	69%	67%	70%	72%	74%
1x110 kV La Negra - La Negra	43%	46%	48%	50%	52%	53%	55%
1x66 kV (Ei1) Tap Quiani-Quiani- Quiani	35%	37%	37%	38%	40%	41%	43%
1x66 kV Parinacota- Chinchorro	31%	33%	33%	34%	35%	36%	38%
1x66 kV (Ei1) Tap Quiani-Quiani- Parinacota	12%	13%	13%	13%	14%	14%	15%
1x66 kV Parinacota- Pukará	35%	37%	37%	38%	39%	41%	43%
1x66 kV (Ei1) Tap Quiani-Quiani- Tap Quiani	0%	0%	0%	0%	0%	0%	0%

1.2 ZONA DIEGO DE ALMAGRO – QUILLOTA

1.2.1 TRANSFORMADORES AT/MT

Tabla 1-10. Cargabilidad de transformadores AT/MT, zona Diego de Almagro – Quillota.

TRANSFORMADOR	2020	2021	2022	2023	2024	2025	2026
ALTO DEL CARMEN 110/13,8 kV 8-10 MVA	31%	33%	34%	35%	36%	38%	39%
ANDACOLLO 66/23 kV 8 MVA 2	15%	15%	15%	16%	16%	16%	17%
ANDACOLLO 66/24-13,8 kV 5 MVA 1	46%	48%	49%	50%	51%	52%	53%
ARMAZONES 66/23 kV 10 MVA	15%	16%	17%	18%	18%	19%	20%
CABILDO 110/24-14,4 kV 12 MVA 2	0%	0%	0%	0%	0%	0%	0%
CABILDO 110/25 kV 30 MVA 1	60%	62%	64%	65%	67%	52%	53%

CALDERA 110/23 kV 10-12 MVA	64%	67%	69%	71%	73%	76%	78%
CASAS VIEJAS 110/23 kV 10 MVA	71%	75%	78%	81%	84%	66%	68%
CERRILLOS 110/23 kV 25-30 MVA	65%	65%	66%	67%	67%	68%	69%
CHAÑARAL 23-13,8 kV 5-6,25 MVA	39%	41%	43%	44%	46%	48%	49%
COMBARBALÁ 66/13,8 kV 2,6 MVA 1	26%	28%	29%	30%	31%	32%	33%
COMBARBALÁ 66/13,8 kV 2,6 MVA 2	26%	28%	29%	30%	31%	32%	34%
COMBARBALÁ 66/13,8 kV 5 MVA (Nuevo)	26%	28%	29%	30%	31%	32%	33%
COPIAPÓ 110/13,8 kV 15-20-24 MVA 2	67%	70%	72%	75%	77%	80%	82%
COPIAPÓ 110/13,8 kV 16-20-25 MVA 1	41%	43%	44%	46%	47%	49%	50%
DAMASCAL 110/23 kV 30 MVA (Nuevo)	0%	0%	31%	32%	33%	33%	34%
DIEGO DE ALMAGRO TR 5 115/13,8/24 kV 10 MVA 5	33%	36%	37%	38%	40%	41%	43%
EL PEÑÓN 110/23 kV 30 MVA 1	49%	51%	53%	54%	56%	57%	59%
EL PEÑÓN 66/13,2 kV 18,7 MVA	47%	49%	50%	51%	53%	54%	56%
EL SALADO TR1 110/24 kV 15 MVA 1U	40%	43%	44%	46%	48%	50%	51%
EL SAUCE 66/13,2 kV 2 MVA	14%	15%	16%	16%	17%	17%	18%
GUAYACÁN 66/13,8 kV 15 MVA 1	67%	70%	72%	74%	76%	78%	81%
GUAYACÁN 66/13,8 kV 6,3 MVA 3	0%	0%	0%	0%	0%	0%	0%
GUAYACÁN 66/23-13,2 kV 12,5 MVA 2	35%	37%	38%	39%	40%	42%	43%
HERNÁN FUENTES 110/23 kV 15-20 MVA	63%	67%	69%	72%	74%	77%	80%
ILLAPEL 110/23 kV 15 MVA (Nuevo)	0%	35%	36%	37%	39%	40%	41%
ILLAPEL 110/24-13,8 kV 13 MVA 2	70%	34%	36%	37%	38%	40%	41%
INCAHUASI 110/23 kV 5 MVA	60%	64%	66%	68%	71%	74%	76%
LA LIGUA 110/23 kV 30 MVA (Nuevo)	0%	0%	0%	0%	0%	52%	54%
LAS COMPAÑÍAS 110/14,2 kV 30 MVA 1	58%	61%	63%	65%	67%	69%	71%
LOS LOROS 110/23 kV 12-16-20 MVA	69%	73%	76%	79%	82%	85%	88%
MARBELLA 110/24-14,4 kV 13 MVA	54%	57%	59%	61%	64%	66%	68%

MARQUESA 66/24-13,8 kV 25 MVA 4	63%	65%	30%	30%	31%	32%	33%
MARQUESA 66/24-13,8 kV 5 MVA 2	0%	0%	0%	0%	0%	0%	0%
MONTE PATRIA 66/13,2 kV 10 MVA	60%	63%	66%	68%	71%	73%	76%
MONTE PATRIA 66/23 kV 10 MVA	64%	68%	71%	74%	76%	79%	82%
OVALLE 66/24 kV 30 MVA	56%	59%	61%	63%	65%	66%	69%
OVALLE 66/24 kV 30 MVA 2	56%	59%	61%	63%	65%	66%	69%
PAN DE AZÚCAR 110/13,8 kV 30 MVA	44%	46%	47%	49%	50%	52%	54%
PAN DE AZÚCAR 110/13,8 kV 30 MVA T11	44%	46%	47%	49%	50%	52%	54%
PAN DE AZÚCAR TR1 110/110 kV 48 MVA 1U	52%	54%	56%	58%	60%	62%	64%
PLANTAS 110/13,8 16-20-24 MVA	65%	67%	69%	70%	72%	73%	75%
PUNITAQUI 110/13,2 kV 20 MVA	34%	34%	34%	34%	34%	34%	34%
PUNITAQUI 66/13,2 kV 20 MVA	33%	33%	33%	33%	33%	33%	33%
QUEREO 110/23 kV 7,9 MVA 1	0%	0%	0%	0%	0%	0%	0%
QUEREO 110/24-14,4 kV 13 MVA 1	52%	55%	57%	60%	62%	64%	66%
QUINQUIMO 110/23 kV 20 MVA 1	78%	83%	86%	89%	92%	47%	49%
QUINQUIMO 23/13,8 kV 2 MVA	0%	0%	0%	0%	0%	0%	0%
SALAMANCA 110/24-13,8 kV 10 MVA	66%	69%	72%	74%	77%	80%	82%
SALAMANCA 110/24-13,8 kV 20 MVA	27%	29%	30%	31%	32%	33%	34%
SAN JOAQUÍN 110/13,2 30 MVA (Nuevo)	52%	55%	57%	59%	61%	63%	65%
SAN JOAQUÍN 110/13,2 kV 30 MVA 1	51%	54%	56%	58%	60%	62%	64%
SAN JOAQUÍN 110/13,2 kV 30 MVA 2	66%	69%	72%	74%	76%	79%	81%
SAN JUAN 66/13,8 kV 12,5 MVA (Reemplazo)	0%	0%	0%	0%	0%	0%	0%
SAN JUAN 66/13,8 kV 8/10 MVA	66%	70%	73%	76%	79%	81%	84%
SAN JUAN 66/13,8 kV 10,2 MVA	56%	59%	61%	63%	66%	68%	71%
TALTAL 110/13,2 kV 5 MVA	62%	66%	68%	71%	74%	76%	79%
TIERRA AMARILLA 110/23-13,2 kV 25-30 MVA	70%	71%	72%	72%	73%	73%	74%

TIERRA AMARILLA 110/23 kV 10-12 MVA	71%	72%	72%	73%	73%	74%	74%
VALLENAR 110/13,8 kV 30 MVA (Nuevo)	0%	0%	0%	33%	34%	35%	37%
VALLENAR TR1 110/13,8 kV 10 MVA 1U	72%	76%	79%	33%	34%	35%	37%
VALLENAR TR2 110/13,8 kV 10 MVA 1U	72%	76%	79%	33%	34%	35%	37%
VICUÑA 110/23 kV 24 MVA	58%	61%	63%	65%	67%	70%	72%

1.2.2 TRANSFORMADORES AT/AT

Tabla 1-11. Cargabilidad de transformadores AT/AT en escenario Verano Día, zona Diego de Almagro – Quillota.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Choapa 220/110/23 kV 75 MVA	33%	35%	35%	37%	39%	33%	34%
Diego de Almagro TR3 220/110/13,8 kV 120 MVA 1U	53%	54%	54%	76%	76%	77%	77%
Diego de Almagro TR4 220/115/25 kV 120 MVA 1U	53%	54%	54%	76%	77%	77%	77%
Illapel 115/66/13,2 kV 15 MVA	17%	18%	19%	19%	20%	21%	22%
La Ligua 220/110 kV 90 MVA	0%	0%	0%	0%	24%	25%	26%
Ovalle 110/66/13,8 kV 60 MVA T3	42%	45%	46%	48%	50%	52%	54%
Ovalle 110/66/13,8 kV 60 MVA T4	42%	45%	47%	49%	50%	53%	55%
Pan de Azúcar 110/69/13,8 kV 60 MVA	65%	70%	72%	73%	76%	79%	81%
Pan de Azúcar 220/115/13,8 kV 150 MVA	42%	45%	46%	47%	48%	50%	50%
Pan de Azúcar 220/115/13,8 kV 75 MVA T4	41%	43%	44%	45%	46%	48%	49%
Pan de Azúcar ATR3 220/115/13,8 kV 75 MVA	37%	40%	41%	42%	43%	45%	48%
Pan de Azúcar ATR9 220/115/13,2 kV 90 MVA	36%	39%	40%	41%	42%	44%	47%
Quillota 220/115/13,8 kV 150 MVA	34%	27%	28%	27%	24%	25%	25%
Quillota 220/115/13,8 kV 75 MVA	34%	27%	27%	26%	24%	25%	25%
Quillota TR4 220/115/13,8 kV 150 MVA 1U	36%	28%	29%	28%	25%	26%	26%

Tabla 1-12. Cargabilidad de transformadores AT/AT en escenario Verano Noche, zona Diego de Almagro – Quillota.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Choapa 220/110/23 kV 75 MVA	38%	41%	41%	44%	45%	40%	42%

Diego de Almagro TR3 220/110/13,8 kV 120 MVA 1U	53%	54%	54%	76%	76%	77%	77%
Diego de Almagro TR4 220/115/25 kV 120 MVA 1U	53%	54%	54%	76%	77%	77%	77%
Illapel 115/66/13,2 kV 15 MVA	17%	18%	19%	19%	20%	21%	22%
La Ligua 220/110 kV 90 MVA	0%	0%	0%	0%	27%	34%	35%
Ovalle 110/66/13,8 kV 60 MVA T3	35%	37%	39%	40%	42%	43%	45%
Ovalle 110/66/13,8 kV 60 MVA T4	35%	38%	39%	41%	42%	44%	46%
Pan de Azúcar 110/69/13,8 kV 60 MVA	67%	70%	73%	74%	77%	80%	82%
Pan de Azúcar 220/115/13,8 kV 150 MVA	42%	44%	47%	48%	48%	49%	51%
Pan de Azúcar 220/115/13,8 kV 75 MVA T4	41%	44%	45%	45%	47%	48%	50%
Pan de Azúcar ATR3 220/115/13,8 kV 75 MVA	37%	40%	40%	41%	43%	44%	46%
Pan de Azúcar ATR9 220/115/13,2 kV 90 MVA	37%	39%	39%	40%	42%	43%	45%
Quillota 220/115/13,8 kV 150 MVA	35%	27%	28%	28%	24%	24%	24%
Quillota 220/115/13,8 kV 75 MVA	34%	27%	28%	27%	24%	24%	24%
Quillota TR4 220/115/13,8 kV 150 MVA 1U	36%	29%	29%	29%	25%	25%	25%

Tabla 1-13. Cargabilidad de transformadores AT/AT en escenario Invierno Día, zona Diego de Almagro – Quillota.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Choapa 220/110/23 kV 75 MVA	31%	33%	33%	35%	35%	32%	33%
Diego de Almagro TR3 220/110/13,8 kV 120 MVA 1U	53%	54%	54%	76%	76%	77%	77%
Diego de Almagro TR4 220/115/25 kV 120 MVA 1U	53%	54%	54%	76%	76%	77%	77%
Illapel 115/66/13,2 kV 15 MVA	16%	16%	17%	18%	18%	19%	20%
La Ligua 220/110 kV 90 MVA	0%	0%	0%	0%	25%	26%	27%
Ovalle 110/66/13,8 kV 60 MVA T3	41%	44%	45%	47%	49%	51%	53%
Ovalle 110/66/13,8 kV 60 MVA T4	42%	44%	46%	48%	49%	52%	53%
Pan de Azúcar 110/69/13,8 kV 60 MVA	71%	75%	78%	80%	82%	85%	88%
Pan de Azúcar 220/115/13,8 kV 150 MVA	42%	44%	47%	48%	48%	49%	50%
Pan de Azúcar 220/115/13,8 kV 75 MVA T4	41%	43%	44%	45%	46%	47%	49%
Pan de Azúcar ATR3 220/115/13,8 kV 75 MVA	37%	39%	39%	40%	43%	44%	47%
Pan de Azúcar ATR9 220/115/13,2 kV 90 MVA	36%	38%	38%	39%	42%	43%	46%

Quillota 220/115/13,8 kV 150 MVA	35%	27%	28%	27%	24%	25%	25%
Quillota 220/115/13,8 kV 75 MVA	34%	27%	27%	26%	24%	25%	25%
Quillota TR4 220/115/13,8 kV 150 MVA 1U	36%	28%	29%	28%	25%	26%	26%

Tabla 1-14. Cargabilidad de transformadores AT/AT en escenario Invierno Noche, zona Diego de Almagro – Quillota.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Choapa 220/110/23 kV 75 MVA	34%	36%	36%	37%	39%	35%	37%
Diego de Almagro TR3 220/110/13,8 kV 120 MVA 1U	52%	52%	52%	74%	74%	74%	74%
Diego de Almagro TR4 220/115/25 kV 120 MVA 1U	51%	52%	52%	74%	74%	74%	74%
Illapel 115/66/13,2 kV 15 MVA	14%	16%	15%	16%	17%	18%	18%
La Ligua 220/110 kV 90 MVA	0%	0%	0%	0%	22%	24%	25%
Ovalle 110/66/13,8 kV 60 MVA T3	28%	29%	30%	31%	33%	34%	35%
Ovalle 110/66/13,8 kV 60 MVA T4	28%	30%	31%	32%	33%	35%	36%
Pan de Azúcar 110/69/13,8 kV 60 MVA	66%	69%	72%	74%	77%	80%	82%
Pan de Azúcar 220/115/13,8 kV 150 MVA	40%	42%	45%	46%	47%	49%	48%
Pan de Azúcar 220/115/13,8 kV 75 MVA T4	39%	41%	42%	43%	44%	46%	47%
Pan de Azúcar ATR3 220/115/13,8 kV 75 MVA	35%	37%	39%	40%	41%	42%	42%
Pan de Azúcar ATR9 220/115/13,2 kV 90 MVA	34%	36%	39%	39%	40%	41%	41%
Quillota 220/115/13,8 kV 150 MVA	34%	27%	27%	27%	24%	25%	25%
Quillota 220/115/13,8 kV 75 MVA	33%	26%	27%	26%	24%	25%	25%
Quillota TR4 220/115/13,8 kV 150 MVA 1U	35%	28%	28%	28%	25%	26%	26%

1.2.3 LÍNEAS DE TRANSMISIÓN

Tabla 1-15. Cargabilidad de líneas de transmisión en escenario Verano Día, zona Diego de Almagro – Quillota.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Casas Viejas - Marbella	47%	49%	48%	49%	13%	20%	21%
1x110 kV Castilla - Cardones	27%	24%	19%	19%	20%	20%	20%
1x110 kV Choapa - Illapel	65%	69%	66%	28%	28%	30%	31%
1x110 kV Choapa - Quereo	10%	10%	11%	11%	12%	12%	13%
1x110 kV Choapa - Quinquimo	29%	31%	33%	34%	35%	17%	18%
1x110 kV Copayapu - Cerrillos	16%	17%	17%	4%	2%	2%	2%
1x110 kV Copiapó - Copayapu	42%	43%	22%	19%	20%	21%	21%
1x110 kV Copiapó - H. Fuentes	20%	21%	22%	13%	13%	14%	14%
1x110 kV Dos Amigos - Algarrobo	6%	4%	5%	5%	5%	5%	5%
1x110 kV Galleguillos - Copayapu	1%	1%	1%	1%	1%	1%	1%
1x110 kV Galleguillos - Tap Impulsión	12%	13%	13%	6%	7%	7%	7%
1x110 kV H. Fuentes - Galleguillos	13%	13%	13%	7%	7%	7%	7%
1x110 kV Illapel - Punitaqui tramo 1	31%	33%	30%	31%	31%	34%	35%
1x110 kV Illapel - Punitaqui tramo 2	17%	19%	16%	17%	18%	20%	21%
1x110 kV Incahuasi - Romeral	8%	7%	8%	8%	8%	8%	8%
1x110 kV La Ligua - Cabildo	0%	0%	0%	0%	32%	26%	26%
1x110 kV La Ligua - Quinquimo	0%	0%	0%	0%	12%	11%	11%
1x110 kV Las Compañías - Pan de Azúcar	22%	24%	24%	24%	24%	24%	25%
1x110 kV Las Compañías - Romeral	7%	9%	8%	7%	7%	7%	7%
1x110 kV Maitencillo - Algarrobo	6%	4%	5%	5%	5%	5%	5%
1x110 kV Marbella - Quillota	58%	61%	60%	62%	22%	34%	35%
1x110 kV Pajonales - Incahuasi	4%	3%	3%	3%	3%	4%	3%

1x110 kV Pan de Azúcar - San Joaquín CGET	20%	21%	22%	23%	23%	24%	25%
1x110 kV Quinquimo - Cabildo	33%	35%	33%	33%	0%	0%	0%
1x110 kV Quinquimo - Casas Viejas	36%	37%	36%	37%	13%	11%	11%
1x110 kV Salamanca - Illapel	7%	7%	8%	8%	8%	8%	9%
1x110 kV Tap El Edén - Alto del Carmen	5%	5%	5%	5%	6%	6%	6%
1x110 kV Tap Impulsión - Caldera	9%	9%	9%	3%	3%	3%	3%
1x110 kV Tap Las Luces - Taltal	4%	4%	4%	4%	4%	5%	5%
1x110 kV Tierra Amarilla - Plantas	19%	20%	20%	20%	21%	21%	22%
1x110 kV Vallenar - Tap El Edén	2%	2%	2%	2%	2%	3%	3%
1x66 kV El Espino - Combarbalá	13%	14%	14%	15%	15%	16%	16%
1x66 kV El Espino - Illapel	12%	13%	13%	14%	14%	15%	15%
1x66 kV El Peñón - Andacollo	33%	35%	37%	37%	39%	40%	41%
1x66 kV El Sauce - Combarbalá	1%	1%	1%	1%	1%	1%	1%
1x66 kV Ovalle - Punitaqui B	30%	31%	31%	31%	31%	31%	31%
1x66 kV Pan de Azúcar - Marquesa	54%	58%	60%	62%	63%	66%	67%
1x66 kV Pan de Azúcar - San Juan CGE	31%	33%	34%	35%	36%	37%	38%
1x66 kV Punitaqui B - El Sauce	3%	3%	3%	3%	3%	3%	3%
2x110 kV Cardones - Copayapu C1	54%	57%	59%	52%	53%	55%	57%
2x110 kV Cardones - Copayapu C2	39%	40%	20%	18%	19%	19%	20%
2x110 kV El Peñón - La Ruca C1	0%	0%	43%	43%	45%	46%	48%
2x110 kV El Peñón - La Ruca C2	0%	0%	43%	43%	45%	46%	48%
2x110 kV El Peñón - Ovalle C1	37%	40%	42%	43%	45%	46%	47%
2x110 kV El Peñón - Ovalle C2	37%	40%	42%	43%	45%	46%	47%
2x110 kV El Peñón - Pan de Azúcar C1	12%	12%	13%	13%	13%	13%	13%
2x110 kV El Peñón - Pan de Azúcar C2	63%	67%	71%	72%	75%	77%	79%
2x110 kV Maitencillo - Vallenar C1	28%	30%	32%	33%	17%	18%	19%
2x110 kV Maitencillo - Vallenar C2	0%	0%	0%	0%	18%	19%	20%
2x110 kV Pan de Azúcar - Vicuña C1	23%	24%	24%	25%	26%	27%	28%
2x66 kV Monte Patria - Ovalle C1	15%	16%	17%	18%	19%	20%	21%

2x66 kV Monte Patria - Ovalle C2	15%	16%	17%	18%	19%	20%	21%
2x66 kV San Juan CGE - Guayacán C1	17%	18%	19%	19%	20%	20%	21%
2x66 kV San Juan CGE - Guayacán tramo 1 C2	14%	15%	15%	15%	16%	16%	17%
2x66 kV San Juan CGE - Guayacán tramo 2 C2	24%	25%	26%	27%	28%	29%	30%

Tabla 1-16. Cargabilidad de líneas de transmisión en escenario Verano Noche, zona Diego de Almagro – Quillota.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Casas Viejas - Marbella	53%	56%	58%	59%	14%	19%	20%
1x110 kV Castilla - Cardones	39%	36%	29%	28%	29%	29%	29%
1x110 kV Choapa - Illapel	78%	83%	81%	35%	36%	38%	39%
1x110 kV Choapa - Quereo	13%	13%	14%	14%	15%	15%	16%
1x110 kV Choapa - Quinquimo	32%	35%	36%	37%	39%	19%	20%
1x110 kV Copayapu - Cerrillos	44%	45%	46%	14%	14%	15%	15%
1x110 kV Copiapó - Copayapu	61%	63%	35%	30%	31%	32%	32%
1x110 kV Copiapó - H. Fuentes	26%	27%	28%	16%	17%	17%	18%
1x110 kV Dos Amigos - Algarrobo	8%	6%	7%	8%	8%	8%	8%
1x110 kV Galleguillos - Copayapu	1%	1%	1%	1%	1%	1%	1%
1x110 kV Galleguillos - Tap Impulsión	16%	17%	17%	7%	7%	7%	8%
1x110 kV H. Fuentes - Galleguillos	16%	17%	17%	8%	8%	8%	8%
1x110 kV Illapel - Punitaqui tramo 1	26%	27%	23%	24%	24%	27%	28%
1x110 kV Illapel - Punitaqui tramo 2	13%	14%	10%	12%	12%	15%	15%
1x110 kV Incahuasi - Romeral	6%	6%	6%	6%	6%	6%	6%
1x110 kV La Ligua - Cabildo	0%	0%	0%	0%	37%	27%	28%
1x110 kV La Ligua - Quinquimo	0%	0%	0%	0%	10%	12%	12%
1x110 kV Las Compañías - Pan de Azúcar	32%	35%	35%	35%	36%	37%	37%
1x110 kV Las Compañías - Romeral	11%	13%	12%	11%	11%	11%	11%
1x110 kV Maitencillo - Algarrobo	8%	6%	7%	8%	8%	8%	8%
1x110 kV Marbella - Quillota	68%	71%	74%	76%	28%	33%	34%
1x110 kV Pajonales - Incahuasi	8%	7%	7%	8%	8%	8%	8%

1x110 kV Pan de Azúcar - San Joaquín CGET	22%	23%	24%	24%	25%	26%	27%
1x110 kV Quinquimo - Cabildo	36%	38%	39%	40%	0%	0%	0%
1x110 kV Quinquimo - Casas Viejas	39%	41%	42%	43%	12%	13%	14%
1x110 kV Salamanca - Illapel	14%	15%	16%	16%	17%	17%	18%
1x110 kV Tap El Edén - Alto del Carmen	5%	5%	5%	6%	6%	6%	6%
1x110 kV Tap Impulsión - Caldera	13%	14%	14%	4%	4%	4%	4%
1x110 kV Tap Las Luces - Taltal	7%	7%	7%	7%	8%	8%	8%
1x110 kV Tierra Amarilla - Plantas	20%	21%	21%	21%	22%	22%	23%
1x110 kV Vallenar - Tap El Edén	2%	2%	2%	2%	2%	2%	2%
1x66 kV El Espino - Combarbalá	15%	15%	16%	16%	17%	17%	18%
1x66 kV El Espino - Illapel	14%	15%	15%	16%	16%	17%	17%
1x66 kV El Peñón - Andacollo	33%	35%	38%	37%	39%	40%	41%
1x66 kV El Sauce - Combarbalá	2%	2%	2%	2%	2%	2%	2%
1x66 kV Ovalle - Punitaqui B	33%	33%	33%	33%	33%	33%	33%
1x66 kV Pan de Azúcar - Marquesa	50%	52%	54%	56%	57%	60%	60%
1x66 kV Pan de Azúcar - San Juan CGE	37%	40%	41%	42%	44%	45%	46%
1x66 kV Punitaqui B - El Sauce	4%	4%	4%	4%	4%	4%	4%
2x110 kV Cardones - Copayapu C1	67%	71%	73%	63%	65%	67%	70%
2x110 kV Cardones - Copayapu C2	58%	60%	34%	29%	29%	30%	31%
2x110 kV El Peñón - La Ruca C1	0%	0%	44%	43%	46%	46%	49%
2x110 kV El Peñón - La Ruca C2	0%	0%	44%	43%	46%	46%	49%
2x110 kV El Peñón - Ovalle C1	39%	41%	44%	43%	45%	46%	48%
2x110 kV El Peñón - Ovalle C2	39%	41%	44%	43%	45%	46%	48%
2x110 kV El Peñón - Pan de Azúcar C1	15%	16%	16%	16%	17%	17%	18%
2x110 kV El Peñón - Pan de Azúcar C2	65%	69%	73%	72%	75%	77%	80%
2x110 kV Maitencillo - Vallenar C1	34%	36%	38%	40%	21%	22%	23%
2x110 kV Maitencillo - Vallenar C2	0%	0%	0%	0%	21%	22%	23%
2x110 kV Pan de Azúcar - Vicuña C1	26%	27%	27%	28%	29%	30%	30%
2x66 kV Monte Patria - Ovalle C1	6%	7%	7%	8%	8%	8%	9%

2x66 kV Monte Patria - Ovalle C2	6%	7%	7%	8%	8%	8%	9%
2x66 kV San Juan CGE - Guayacán C1	21%	22%	22%	23%	24%	24%	25%
2x66 kV San Juan CGE - Guayacán tramo 1 C2	17%	18%	18%	19%	19%	20%	20%
2x66 kV San Juan CGE - Guayacán tramo 2 C2	29%	31%	32%	33%	34%	35%	36%

Tabla 1-17. Cargabilidad de líneas de transmisión en escenario Invierno Día, zona Diego de Almagro – Quillota.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Casas Viejas - Marbella	52%	54%	56%	54%	14%	24%	25%
1x110 kV Castilla - Cardones	25%	22%	18%	19%	19%	19%	20%
1x110 kV Choapa - Illapel	66%	71%	68%	29%	29%	31%	32%
1x110 kV Choapa - Quereo	7%	7%	7%	8%	8%	8%	9%
1x110 kV Choapa - Quinquimo	26%	28%	29%	30%	31%	16%	17%
1x110 kV Copayapu - Cerrillos	27%	26%	27%	11%	11%	11%	11%
1x110 kV Copiapó - Copayapu	33%	34%	16%	16%	16%	17%	17%
1x110 kV Copiapó - H. Fuentes	18%	19%	19%	11%	11%	12%	12%
1x110 kV Dos Amigos - Algarrobo	6%	4%	5%	5%	6%	6%	6%
1x110 kV Galleguillos - Copayapu	1%	1%	1%	1%	1%	1%	1%
1x110 kV Galleguillos - Tap Impulsión	13%	13%	14%	6%	6%	6%	6%
1x110 kV H. Fuentes - Galleguillos	13%	14%	14%	7%	7%	7%	7%
1x110 kV Illapel - Punitaqui tramo 1	29%	31%	28%	30%	30%	32%	33%
1x110 kV Illapel - Punitaqui tramo 2	17%	19%	16%	18%	19%	21%	22%
1x110 kV Incahuasi - Romeral	8%	8%	8%	8%	9%	9%	9%
1x110 kV La Ligua - Cabildo	0%	0%	0%	0%	35%	28%	29%
1x110 kV La Ligua - Quinquimo	0%	0%	0%	0%	11%	15%	15%
1x110 kV Las Compañías - Pan de Azúcar	25%	27%	27%	28%	28%	28%	29%
1x110 kV Las Compañías - Romeral	7%	9%	8%	8%	7%	7%	7%
1x110 kV Maitencillo - Algarrobo	6%	4%	5%	6%	6%	5%	5%
1x110 kV Marbella - Quillota	64%	67%	70%	68%	25%	39%	40%
1x110 kV Pajonales - Incahuasi	4%	3%	3%	3%	4%	4%	4%

1x110 kV Pan de Azúcar - San Joaquín CGET	26%	27%	28%	29%	30%	31%	32%
1x110 kV Quinquimo - Cabildo	37%	39%	40%	37%	0%	0%	0%
1x110 kV Quinquimo - Casas Viejas	40%	42%	43%	40%	13%	15%	15%
1x110 kV Salamanca - Illapel	7%	7%	8%	8%	8%	9%	9%
1x110 kV Tap El Edén - Alto del Carmen	4%	4%	5%	5%	5%	5%	5%
1x110 kV Tap Impulsión - Caldera	9%	10%	10%	3%	3%	3%	3%
1x110 kV Tap Las Luces - Taltal	5%	5%	6%	6%	6%	6%	6%
1x110 kV Tierra Amarilla - Plantas	18%	19%	19%	19%	20%	20%	21%
1x110 kV Vallenar - Tap El Edén	3%	3%	3%	2%	3%	3%	2%
1x66 kV El Espino - Combarbalá	13%	13%	14%	14%	15%	16%	16%
1x66 kV El Espino - Illapel	12%	12%	13%	13%	14%	14%	15%
1x66 kV El Peñón - Andacollo	33%	34%	36%	37%	39%	40%	41%
1x66 kV El Sauce - Combarbalá	2%	2%	2%	2%	2%	2%	2%
1x66 kV Ovalle - Punitaqui B	34%	34%	34%	34%	34%	34%	34%
1x66 kV Pan de Azúcar - Marquesa	52%	55%	57%	58%	60%	62%	64%
1x66 kV Pan de Azúcar - San Juan CGE	40%	42%	44%	45%	47%	49%	50%
1x66 kV Punitaqui B - El Sauce	4%	4%	4%	4%	4%	4%	4%
2x110 kV Cardones - Copayapu C1	56%	59%	61%	54%	55%	57%	59%
2x110 kV Cardones - Copayapu C2	31%	32%	15%	15%	15%	16%	16%
2x110 kV El Peñón - La Ruca C1	0%	0%	45%	45%	47%	49%	51%
2x110 kV El Peñón - La Ruca C2	0%	0%	45%	45%	47%	49%	51%
2x110 kV El Peñón - Ovalle C1	41%	42%	44%	44%	47%	48%	50%
2x110 kV El Peñón - Ovalle C2	41%	42%	44%	44%	47%	48%	50%
2x110 kV El Peñón - Pan de Azúcar C1	12%	13%	13%	13%	14%	14%	14%
2x110 kV El Peñón - Pan de Azúcar C2	64%	67%	70%	71%	75%	76%	79%
2x110 kV Maitencillo - Vallenar C1	26%	29%	30%	31%	16%	17%	18%
2x110 kV Maitencillo - Vallenar C2	0%	0%	0%	0%	17%	18%	19%
2x110 kV Pan de Azúcar - Vicuña C1	19%	20%	20%	21%	21%	22%	22%
2x66 kV Monte Patria - Ovalle C1	12%	13%	13%	14%	15%	16%	16%

2x66 kV Monte Patria - Ovalle C2	12%	13%	13%	14%	15%	16%	16%
2x66 kV San Juan CGE - Guayacán C1	20%	21%	22%	22%	23%	24%	24%
2x66 kV San Juan CGE - Guayacán tramo 1 C2	16%	17%	18%	18%	19%	19%	20%
2x66 kV San Juan CGE - Guayacán tramo 2 C2	31%	33%	34%	35%	37%	38%	39%

Tabla 1-18. Cargabilidad de líneas de transmisión en escenario Invierno Noche, zona Diego de Almagro – Quillota.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Casas Viejas - Marbella	45%	47%	49%	50%	13%	24%	25%
1x110 kV Castilla - Cardones	39%	35%	28%	28%	29%	29%	29%
1x110 kV Choapa - Illapel	73%	78%	74%	31%	32%	34%	35%
1x110 kV Choapa - Quereo	11%	12%	12%	13%	13%	14%	14%
1x110 kV Choapa - Quinquimo	31%	33%	35%	36%	37%	19%	20%
1x110 kV Copayapu - Cerrillos	22%	22%	22%	16%	16%	16%	16%
1x110 kV Copiapó - Copayapu	57%	59%	38%	34%	35%	35%	36%
1x110 kV Copiapó - H. Fuentes	22%	24%	24%	13%	13%	13%	14%
1x110 kV Dos Amigos - Algarrobo	8%	6%	7%	8%	8%	8%	8%
1x110 kV Galleguillos - Copayapu	1%	1%	1%	1%	1%	1%	1%
1x110 kV Galleguillos - Tap Impulsión	15%	16%	16%	7%	7%	7%	7%
1x110 kV H. Fuentes - Galleguillos	16%	16%	17%	7%	7%	7%	8%
1x110 kV Illapel - Punitaqui tramo 1	27%	29%	24%	25%	26%	28%	28%
1x110 kV Illapel - Punitaqui tramo 2	12%	14%	10%	10%	11%	13%	13%
1x110 kV Incahuasi - Romeral	6%	6%	6%	6%	6%	6%	6%
1x110 kV La Ligua - Cabildo	0%	0%	0%	0%	29%	23%	24%
1x110 kV La Ligua - Quinquimo	0%	0%	0%	0%	13%	13%	13%
1x110 kV Las Compañías - Pan de Azúcar	31%	34%	34%	34%	35%	35%	36%
1x110 kV Las Compañías - Romeral	11%	13%	12%	12%	12%	12%	12%
1x110 kV Maitencillo - Algarrobo	8%	6%	7%	8%	8%	8%	8%
1x110 kV Marbella - Quillota	60%	63%	66%	68%	27%	42%	43%
1x110 kV Pajonales - Incahuasi	8%	6%	7%	7%	8%	8%	8%

1x110 kV Pan de Azúcar - San Joaquín CGET	28%	29%	30%	31%	32%	33%	35%
1x110 kV Quinquimo - Cabildo	27%	29%	29%	30%	0%	0%	0%
1x110 kV Quinquimo - Casas Viejas	29%	30%	31%	32%	15%	13%	13%
1x110 kV Salamanca - Illapel	12%	12%	13%	13%	14%	14%	15%
1x110 kV Tap El Edén - Alto del Carmen	4%	5%	5%	5%	5%	5%	5%
1x110 kV Tap Impulsión - Caldera	12%	12%	13%	3%	3%	3%	3%
1x110 kV Tap Las Luces - Taltal	7%	7%	8%	8%	8%	9%	9%
1x110 kV Tierra Amarilla - Plantas	23%	23%	23%	24%	24%	25%	26%
1x110 kV Vallenar - Tap El Edén	5%	5%	5%	5%	5%	5%	5%
1x66 kV El Espino - Combarbalá	11%	12%	12%	13%	13%	13%	14%
1x66 kV El Espino - Illapel	12%	14%	14%	15%	15%	16%	16%
1x66 kV El Peñón - Andacollo	25%	26%	28%	28%	29%	30%	31%
1x66 kV El Sauce - Combarbalá	2%	2%	2%	2%	2%	2%	2%
1x66 kV Ovalle - Punitaqui B	27%	27%	27%	27%	27%	27%	27%
1x66 kV Pan de Azúcar - Marquesa	40%	41%	43%	44%	46%	47%	48%
1x66 kV Pan de Azúcar - San Juan CGE	44%	46%	48%	50%	52%	54%	55%
1x66 kV Punitaqui B - El Sauce	5%	5%	5%	5%	5%	5%	5%
2x110 kV Cardones - Copayapu C1	73%	77%	79%	68%	71%	73%	75%
2x110 kV Cardones - Copayapu C2	55%	57%	36%	33%	33%	34%	34%
2x110 kV El Peñón - La Ruca C1	0%	0%	38%	38%	38%	40%	42%
2x110 kV El Peñón - La Ruca C2	0%	0%	38%	38%	38%	40%	42%
2x110 kV El Peñón - Ovalle C1	33%	35%	38%	37%	38%	40%	42%
2x110 kV El Peñón - Ovalle C2	33%	35%	38%	37%	38%	40%	42%
2x110 kV El Peñón - Pan de Azúcar C1	14%	14%	15%	15%	15%	16%	16%
2x110 kV El Peñón - Pan de Azúcar C2	51%	53%	57%	58%	59%	61%	63%
2x110 kV Maitencillo - Vallenar C1	33%	35%	37%	39%	20%	21%	22%
2x110 kV Maitencillo - Vallenar C2	0%	0%	0%	0%	21%	22%	23%
2x110 kV Pan de Azúcar - Vicuña C1	26%	26%	26%	27%	27%	27%	27%
2x66 kV Monte Patria - Ovalle C1	7%	7%	6%	6%	6%	5%	5%

2x66 kV Monte Patria - Ovalle C2	7%	7%	6%	6%	6%	5%	5%
2x66 kV San Juan CGE - Guayacán C1	22%	23%	24%	24%	25%	26%	26%
2x66 kV San Juan CGE - Guayacán tramo 1 C2	18%	18%	19%	19%	20%	21%	21%
2x66 kV San Juan CGE - Guayacán tramo 2 C2	34%	36%	37%	38%	40%	42%	43%

1.3 ZONA QUINTA

1.3.1 TRANSFORMADORES AT/MT

Tabla 1-19. Cargabilidad de transformadores AT/MT, zona Quinta.

TRANSFORMADOR	2020	2021	2022	2023	2024	2025	2026
ALGARROBONORTE 66/12 kV 7 MVA	63%	65%	67%	69%	70%	72%	74%
BOLLENAR 110/13,8 kV 30 MVA 1	59%	60%	62%	64%	66%	67%	69%
BOSQUEMAR 115/13.2 kV 30 MVA	56%	57%	59%	60%	62%	64%	65%
BOSQUEMAR 115/13.2 kV 30 MVA NUEVO Respaldo	0%	0%	0%	0%	0%	0%	0%
CABILDO 110/25 kV 30 MVA 1	63%	64%	66%	68%	70%	72%	74%
CASABLANCA 66/12 kV 18.3 MVA 2	71%	72%	0%	0%	0%	0%	0%
CASABLANCA 66/12 kV 25 MVA 1	57%	58%	60%	61%	63%	65%	67%
CASABLANCA 66/12 kV 30 MVA REEMPLAZO	0%	0%	45%	47%	48%	49%	51%
CATEMU 44/12 kV - 16 MVA NUEVO	38%	26%	27%	28%	28%	29%	30%
CATEMU 44/12/7.2 kV 16 MVA 2	38%	39%	40%	41%	42%	43%	44%
CONCÓN 110/12 kV 25 MVA 1	40%	41%	42%	44%	45%	46%	47%
CONCÓN 110/12 kV 25 MVA 2	40%	41%	42%	44%	45%	46%	47%
EL MELÓN 44/12 kV 8 MVA 1	36%	37%	38%	39%	40%	41%	42%
EL MELÓN 44/12 kV 8 MVA 2	79%	81%	83%	86%	88%	91%	93%
EL TOTORAL 66/12.5 kV 15 MVA NUEVO	0%	0%	48%	49%	51%	52%	53%
EL TOTORAL 66/12.5 kV 8 MVA 1	85%	87%	0%	0%	0%	0%	0%

JUNCAL PORTILLO 44/12 kV 3.5 MVA	35%	36%	37%	38%	39%	40%	41%
LA CALERA 110/12 kV 22.5 MVA 2	85%	49%	50%	52%	53%	55%	56%
LA CALERA 110/12 kV 25 MVA 3	73%	52%	54%	55%	57%	58%	60%
LA CALERA 110/12 kV 30 MVA NUEVO	0%	50%	51%	53%	54%	56%	57%
LA CALERA 110/44 kV 30 MVA NUEVO	33%	34%	35%	36%	37%	38%	39%
LAS BALANDRAS 66/12.5 kV 11.2 MVA 2 HABILITACIÓN	0%	0%	0%	0%	56%	57%	59%
LAS BALANDRAS 66/12.5 kV 12.5 MVA 1	88%	89%	92%	95%	50%	51%	53%
LAS PIÑATAS 66/12.5 kV 1.88 MVA	83%	85%	87%	90%	92%	95%	97%
LAS VEGAS 110/12 kV 25 MVA 3	28%	29%	30%	31%	31%	32%	33%
LAS VEGAS 110/12 kV 30 MVA 5	74%	75%	78%	80%	82%	84%	87%
LEYDA 115/13.8 kV 12.5 MVA	79%	81%	83%	85%	88%	90%	93%
LOS PLACERES 110/12 kV 25 MVA 2	48%	49%	51%	52%	54%	55%	57%
LOS PLACERES 110/12 kV 30 MVA 1	47%	48%	49%	51%	52%	54%	55%
MARBELLA 110/24-14.4 kV 13 MVA	58%	59%	61%	63%	65%	66%	68%
MARGA MARGA 115/13.6 kV 26 MVA 1	62%	63%	65%	67%	69%	71%	73%
MARGA MARGA 115/14.2 kV 30 MVA 2	67%	69%	71%	73%	75%	77%	79%
MARGA MARGA 115/15.3 kV 30 MVA 3	64%	66%	68%	70%	71%	73%	75%
MAYACA 115/13,8 kV 30 MVA 2	54%	55%	56%	58%	60%	61%	63%
MELIPILLA 110/13,8 kV 25 MVA 1	63%	64%	66%	68%	69%	71%	73%
MELIPILLA 110/13,8 kV 25 MVA 3	52%	53%	54%	56%	57%	59%	61%
MIRAFLORES 110/12 kV 22.4 MVA 1	38%	39%	40%	41%	42%	44%	45%
MIRAFLORES 110/12 kV 25 MVA 2	52%	53%	55%	57%	58%	60%	61%
MIRAFLORES 115/13.6 kV 25 MVA	65%	66%	68%	70%	72%	74%	76%
NUEVA S/E PANQUEHUE 110/12 kV 30 MVA	0%	30%	31%	32%	33%	34%	
NUEVA SAN RAFAEL 110/12 kV 50 MVA NUEVO	0%	0%	0%	0%	20%	21%	21%

PANCHA 110/12 kV 20 MVA 1	40%	41%	42%	44%	45%	46%	47%
PANCHA 110/12 kV 22.4 MVA 2	55%	56%	57%	59%	61%	62%	64%
PANQUEHUE 44/12 kV 16 MVA 2	85%	44%	46%	47%	48%	50%	51%
PEÑABLANCA 115/24.5/13.2 kV 30 MVA	71%	72%	74%	76%	78%	81%	83%
PLACILLA 110/12 kV 30 MVA 1	63%	64%	66%	68%	70%	72%	74%
PLACILLA 110/12 kV 30 MVA NUEVO	0%	0%	0%	0%	0%	0%	0%
QUILPUÉ 110/12 kV 25 MVA 1	57%	58%	59%	61%	0%	0%	0%
QUILPUÉ 110/12 kV 25 MVA 2	77%	78%	80%	83%	85%	87%	90%
QUILPUÉ 110/12 kV 25 MVA 3	77%	78%	80%	83%	85%	87%	90%
QUILPUÉ NUEVO 110/12 kV - 50 MVA REEMPLAZO	0%	0%	0%	0%	32%	33%	34%
QUINQUIMO 110/23 kV 20 MVA 1	84%	86%	88%	91%	93%	96%	99%
QUINTAY 66/12 kV 3.125 MVA	33%	33%	34%	35%	36%	37%	38%
QUINTERO 110/12 kV 22.5 MVA 1	73%	74%	77%	79%	81%	83%	86%
QUINTERO 110/12 kV 22.5 MVA 2	45%	46%	47%	48%	50%	51%	53%
REÑACA 110/12 kV 22.4 MVA 1	60%	61%	63%	65%	66%	68%	70%
REÑACA 110/12 kV 30 MVA 2	64%	65%	67%	69%	71%	73%	75%
RIO BLANCO 44/12 kV 2 MVA 1	23%	23%	0%	0%	0%	0%	0%
RIO BLANCO 44/12 kV 3,5 MVA NUEVO	0%	0%	14%	14%	15%	15%	16%
RUNGUE 44/23 kV 3,5 MVA	49%	50%	51%	53%	54%	56%	57%
SAN ANTONIO 110/12 kV 25 MVA 1	60%	61%	63%	65%	66%	68%	70%
SAN ANTONIO 110/12 kV 25 MVA 2	75%	77%	79%	82%	84%	86%	88%
SAN ANTONIO 110/23 kV 25 MVA 4	36%	37%	38%	39%	40%	41%	43%
SAN ANTONIO 110/23 kV 50 MVA 5	18%	19%	19%	20%	20%	21%	21%
SAN FELIPE 110/12 kV 25 MVA 2	54%	56%	32%	33%	34%	35%	36%
SAN FELIPE 110/12 kV 50 MVA 1	48%	49%	38%	39%	40%	41%	42%
SAN FELIPE 110/23 kV 30 MVA NUEVO	0%	0%	40%	41%	42%	43%	45%

SAN FELIPE 44/12 kV 10 MVA	10%	10%	11%	11%	11%	12%	12%
SAN PEDRO 110/12 kV 25 MVA 2	77%	78%	80%	83%	85%	87%	90%
SAN PEDRO 110/12 kV 30 MVA 1	57%	58%	60%	62%	63%	65%	67%
SAN RAFAEL 110/12 kV 22.5 MVA 2	70%	71%	73%	76%	67%	69%	70%
SAN RAFAEL 110/12 kV 25 MVA 1	81%	82%	85%	87%	68%	70%	72%
SAN RAFAEL 110/23 kV 30 MVA 3	51%	51%	53%	55%	56%	58%	59%
SAN SEBASTIÁN 66/12 kV 18.3 MVA	74%	75%	77%	80%	82%	84%	86%
SJERONIMO 66/12.5 kV 5.25 MVA	73%	74%	77%	79%	81%	83%	86%
TÚNEL EL MELÓN 44/12 kV 3.2 MVA	18%	19%	19%	20%	20%	21%	22%
VALPARAÍSO 110/12 30 MVA 3	34%	34%	35%	36%	37%	38%	39%
VALPARAÍSO 110/12 kV 25 MVA 2	61%	62%	64%	65%	67%	69%	71%
VALPARAÍSO 110/12 kV 30 MVA 1	50%	51%	53%	54%	56%	57%	59%

1.3.2 TRANSFORMADORES AT/AT

Tabla 1-20. Cargabilidad de transformadores AT/AT en escenario Verano Día, zona Quinta.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Agua Santa 220/115/60 kV 300 MVA	35%	36%	37%	30%	31%	32%	33%
Agua Santa 220/115/60 kV 300 MVA 2	53%	54%	56%	53%	54%	55%	55%
Alto Melipilla 220/115/13,2 kV 150 MVA	29%	30%	31%	32%	33%	33%	34%
Alto Melipilla 220/115/13,2 kV 150 MVA 2	29%	30%	31%	32%	33%	33%	34%
Casablanca 220/66/13,8 kV 150 MVA	0%	0%	0%	17%	17%	18%	18%
La Pólvara 220/110 150 MVA	0%	0%	0%	29%	30%	31%	32%
Laguna Verde 110/66 kV 60 MVA	49%	51%	53%	8%	8%	8%	8%
Los Maquis 220/110/12 kV 95 MVA	19%	20%	22%	7%	6%	6%	6%
Río Aconcagua 220/110 kV 350 MVA	5%	5%	6%	40%	41%	42%	43%
San Antonio 110/69 kV 34,5 MVA	10%	10%	10%	11%	11%	11%	12%

Ventanas 220/110/12 kV 300 MVA	48%	51%	52%	64%	65%	66%	67%
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Tabla 1-21. Cargabilidad de transformadores AT/AT en escenario Verano Noche, zona Quinta.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Agua Santa 220/115/60 kV 300 MVA	34%	35%	36%	30%	31%	32%	32%
Agua Santa 220/115/60 kV 300 MVA 2	52%	53%	55%	53%	53%	54%	54%
Alto Melipilla 220/115/13,2 kV 150 MVA	28%	30%	31%	31%	32%	33%	34%
Alto Melipilla 220/115/13,2 kV 150 MVA 2	28%	30%	31%	31%	32%	33%	34%
Casablanca 220/66/13,8 kV 150 MVA	0%	0%	0%	16%	17%	17%	18%
La Pólvara 220/110 150 MVA	0%	0%	0%	29%	30%	31%	32%
Laguna Verde 110/66 kV 60 MVA	47%	51%	52%	8%	8%	8%	8%
Los Maquis 220/110/12 kV 95 MVA	19%	20%	21%	6%	6%	6%	6%
Río Aconcagua 220/110 kV 350 MVA	4%	5%	6%	39%	40%	41%	42%
San Antonio 110/69 kV 34,5 MVA	9%	10%	10%	11%	11%	11%	12%
Ventanas 220/110/12 kV 300 MVA	47%	50%	51%	63%	64%	65%	66%

Tabla 1-22. Cargabilidad de transformadores AT/AT en escenario Invierno Día, zona Quinta.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Agua Santa 220/115/60 kV 300 MVA	46%	47%	48%	42%	43%	44%	46%
Agua Santa 220/115/60 kV 300 MVA 2	57%	57%	59%	57%	58%	59%	60%
Alto Melipilla 220/115/13,2 kV 150 MVA	29%	30%	31%	32%	33%	33%	34%
Alto Melipilla 220/115/13,2 kV 150 MVA 2	29%	30%	31%	32%	33%	33%	34%
Casablanca 220/66/13,8 kV 150 MVA	0%	0%	0%	19%	19%	20%	20%
La Pólvara 220/110 150 MVA	0%	0%	0%	40%	41%	42%	43%
Laguna Verde 110/66 kV 60 MVA	53%	53%	55%	3%	3%	3%	3%

Los Maquis 220/110/12 kV 95 MVA	24%	26%	27%	9%	8%	8%	7%
Río Aconcagua 220/110 kV 350 MVA	11%	12%	13%	56%	57%	58%	60%
San Antonio 110/69 kV 34,5 MVA	13%	13%	14%	14%	15%	15%	16%
Ventanas 220/110/12 kV 300 MVA	54%	55%	56%	65%	67%	69%	70%

Tabla 1-23. Cargabilidad de transformadores AT/AT en escenario Invierno Noche, zona Quinta.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Agua Santa 220/115/60 kV 300 MVA	47%	48%	49%	43%	44%	45%	47%
Agua Santa 220/115/60 kV 300 MVA 2	58%	59%	61%	58%	59%	60%	61%
Alto Melipilla 220/115/13,2 kV 150 MVA	30%	31%	32%	33%	33%	34%	35%
Alto Melipilla 220/115/13,2 kV 150 MVA 2	30%	31%	32%	33%	33%	34%	35%
Casablanca 220/66/13,8 kV 150 MVA	0%	0%	0%	19%	20%	20%	21%
La Pólvara 220/110 150 MVA	0%	0%	0%	40%	42%	43%	44%
Laguna Verde 110/66 kV 60 MVA	54%	55%	56%	3%	3%	3%	3%
Los Maquis 220/110/12 kV 95 MVA	25%	26%	27%	9%	9%	8%	8%
Río Aconcagua 220/110 kV 350 MVA	11%	12%	13%	57%	58%	60%	61%
San Antonio 110/69 kV 34,5 MVA	13%	14%	14%	15%	15%	16%	16%
Ventanas 220/110/12 kV 300 MVA	55%	56%	58%	67%	69%	70%	72%

1.3.3 LÍNEAS DE TRANSMISIÓN

Tabla 1-24. Cargabilidad de líneas de transmisión en escenario Verano Día, zona Quinta.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Agua Santa - Placilla	23%	24%	13%	13%	13%	14%	14%
1x110 kV Alto Melipilla - Leyda	21%	21%	22%	22%	23%	24%	24%
1x110 kV Alto Melipilla - San Antonio	20%	20%	21%	21%	22%	22%	23%
1x110 kV Central Los Quilos - Los Maquis	33%	34%	34%	34%	34%	34%	34%
1x110 kV Colmito - Torquemada	0%	0%	0%	0%	0%	0%	0%
1x110 kV Concón - Bosquemar	12%	12%	12%	6%	6%	7%	7%
1x110 kV Desalinizadora - Torquemada	46%	47%	48%	34%	34%	35%	35%
1x110 kV La Calera - El Cobre	47%	48%	49%	50%	52%	53%	55%
1x110 kV Las Vegas - Cristalerías	12%	12%	12%	12%	13%	13%	13%
1x110 kV Leyda - San Antonio	18%	18%	19%	19%	20%	20%	21%
1x110 kV San Pedro - Peñablanca	28%	28%	29%	35%	36%	37%	38%
1x110 kV San Pedro - Quillota	55%	56%	58%	25%	25%	26%	27%
1x110 kV San Pedro - Tap Pachacama	62%	62%	63%	13%	15%	15%	15%
1x110 kV San Pedro - Tap Quilpué	35%	36%	37%	48%	49%	51%	52%
1x110 kV San Rafael - Totoralillo	121%	123%	119%	144%	146%	147%	149%
1x110 kV Tap Achupallas - Tap Reñaca	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Alto Melipilla - Bajo Melipilla	34%	35%	36%	37%	38%	39%	40%

1x110 kV Tap Alto Melipilla - Bollenar	29%	30%	30%	30%	31%	31%	32%
1x110 kV Tap Chagres - Chagres	23%	23%	24%	23%	24%	25%	26%
1x110 kV Tap Codelco Ventanas - Ventanas	62%	63%	64%	66%	68%	70%	72%
1x110 kV Tap La Palma - Tap Pachacama	23%	24%	24%	4%	5%	5%	5%
1x110 kV Tap Playa Ancha - Laguna Verde	22%	23%	23%	4%	4%	4%	4%
1x110 kV Tap Reñaca - Concón	47%	48%	49%	22%	23%	24%	24%
1x110 kV Tap Reñaca - Reñaca	47%	48%	50%	51%	52%	54%	55%
1x110 kV Tap San Rafael - Tap Los Maquis	91%	92%	91%	114%	115%	117%	118%
1x110 kV Totoralillo - Tap Los Maquis	68%	69%	65%	90%	92%	93%	95%
1x110 kV Ventanas - Desalinizadora	66%	67%	68%	55%	56%	57%	58%
1x110 kV Ventanas - GNL Quinteros	0%	0%	0%	0%	0%	0%	0%
1x220 kV Los Maquis - Cordillera	17%	17%	17%	17%	17%	17%	17%
1x220 kV Los Maquis - Hornitos	16%	16%	16%	16%	16%	16%	16%
1x220 kV Tap El Llano - Los Maquis	5%	5%	5%	4%	4%	4%	4%
1x220 kV Tap El Llano - SAG	9%	10%	10%	10%	10%	10%	10%
1x44 kV Catemu - Los Ángeles	35%	36%	37%	38%	39%	40%	41%
1x44 kV Chagres - Catemu	42%	42%	44%	45%	46%	47%	49%
1x44 kV El Melón - Túnel El Melón	1%	1%	1%	1%	2%	2%	2%
1x44 kV La Calera - El Melón	28%	28%	29%	30%	30%	31%	32%
1x44 kV Las Vegas - Tap Caleu	8%	8%	8%	4%	4%	4%	4%
1x44 kV Las Vegas - Tap Entel	9%	9%	9%	5%	6%	6%	6%
1x66 kV Algarrobo - Los Poetas	0%	0%	0%	0%	15%	15%	16%
1x66 kV La Calera - La Calera Centro	21%	21%	21%	22%	23%	23%	24%
1x66 kV La Calera Centro - Esperanza C1	1%	1%	1%	1%	1%	1%	1%
1x66 kV La Calera Centro - Esperanza C2	0%	0%	0%	0%	0%	0%	0%
1x66 kV Las Piñatas - Tap El Manzano	37%	37%	38%	37%	3%	3%	3%
1x66 kV Los Quilos - Aconcagua	16%	17%	17%	17%	17%	17%	17%
1x66 kV San Jerónimo - Las Piñatas	37%	38%	39%	37%	5%	6%	6%
1x66 kV Tap Algarrobo - San Jerónimo	45%	45%	46%	45%	10%	11%	11%

1x66 kV Tap El Manzano - El Totoral	9%	9%	9%	9%	9%	9%	10%
1x66 kV Tap El Manzano - Las Balandras	27%	28%	28%	27%	28%	29%	30%
2110 Kv Tap Chagres - Nueva Panquehue C1	4%	4%	4%	9%	9%	9%	9%
2110 Kv Tap Chagres - Nueva Panquehue C2	5%	5%	4%	10%	9%	9%	9%
2x110 kV A. Santa - Tap Placeres C1	76%	77%	79%	42%	43%	44%	45%
2x110 kV A. Santa - Tap Placeres C2	50%	50%	52%	15%	15%	15%	15%
2x110 kV Agua Santa - Miraflores C1	24%	24%	26%	32%	33%	34%	35%
2x110 kV Agua Santa - Miraflores C2	24%	24%	26%	32%	33%	34%	35%
2x110 kV Agua Santa - Tap Los Placeres C1	50%	50%	52%	15%	15%	15%	16%
2x110 kV Agua Santa - Tap Los Placeres C2	76%	77%	79%	42%	43%	44%	45%
2x110 kV Esperanza - Río Aconcagua C1	0%	0%	0%	47%	48%	48%	49%
2x110 kV Esperanza - Río Aconcagua C2	0%	0%	0%	47%	48%	48%	49%
2x110 kV Las Vegas - Esperanza C1	0%	0%	0%	0%	0%	0%	0%
2x110 kV Las Vegas - Esperanza C2	0%	0%	0%	0%	0%	0%	0%
2x110 kV Mayaca - Tap Off Mayaca C1	7%	8%	8%	8%	8%	8%	9%
2x110 kV Mayaca - Tap Off Mayaca C2	16%	16%	16%	17%	17%	18%	18%
2x110 kV Miraflores - Marga Marga C1	45%	45%	46%	48%	49%	50%	52%
2x110 kV Miraflores - Marga Marga C2	34%	34%	35%	36%	37%	38%	39%
2x110 kV Nueva Panquehue - Tap San Felipe C1	4%	5%	4%	9%	9%	9%	9%
2x110 kV Nueva Panquehue - Tap San Felipe C2	4%	4%	4%	9%	9%	9%	9%
2x110 kV Nueva Río Aconcagua - Chagres C1	6%	6%	7%	7%	8%	8%	8%
2x110 kV Nueva Río Aconcagua - Chagres C2	6%	6%	7%	7%	7%	7%	8%
2x110 kV Nueva San Rafael - Bypass San Rafael C1	0%	0%	37%	46%	47%	48%	48%
2x110 kV Nueva San Rafael - Bypass San Rafael C2	0%	0%	42%	51%	52%	53%	53%
2x110 kV Nueva San Rafael - Tap San Rafael C1	32%	33%	79%	81%	84%	86%	89%
2x110 kV Nueva San Rafael - Tap San Rafael C2	85%	86%	39%	40%	42%	43%	44%
2x110 kV Peñablanca - Tap Quilpué C1	5%	5%	5%	9%	9%	9%	9%
2x110 kV Peñablanca - Tap Quilpué C2	9%	9%	9%	15%	15%	15%	15%
2x110 kV San Pedro - Tap Codelco Ventanas C1	20%	21%	20%	4%	3%	3%	3%

2x110 kV San Pedro - Tap Codelco Ventanas C2	20%	21%	20%	4%	3%	3%	3%
2x110 kV San Pedro - Tap Mayaca C1	86%	88%	89%	23%	24%	25%	26%
2x110 kV San Pedro - Tap Mayaca C2	77%	78%	79%	15%	16%	16%	17%
2x110 kV Tap Achupallas - Miraflores C1	20%	21%	21%	27%	26%	27%	27%
2x110 kV Tap Achupallas - Miraflores C2	25%	25%	26%	22%	22%	23%	23%
2x110 kV Tap Codelco Ventanas - Ventanas C1	30%	30%	30%	13%	12%	12%	12%
2x110 kV Tap Codelco Ventanas - Ventanas C2	30%	30%	30%	13%	12%	12%	12%
2x110 kV Tap Los Maquis - Aconcagua C1	74%	75%	75%	75%	75%	75%	75%
2x110 kV Tap Los Maquis - Aconcagua C2	73%	74%	74%	74%	74%	74%	74%
2x110 kV Tap Los Maquis - Los Maquis C1	21%	21%	20%	40%	41%	43%	45%
2x110 kV Tap Los Maquis - Los Maquis C2	18%	18%	22%	10%	10%	12%	13%
2x110 kV Tap Pachacama - La Calera C1	55%	56%	58%	59%	61%	63%	64%
2x110 kV Tap Pachacama - La Calera C2	29%	29%	30%	31%	32%	32%	33%
2x110 kV Tap Pachacama - Las Vegas C1	5%	5%	5%	26%	27%	28%	29%
2x110 kV Tap Pachacama - Las Vegas C2	11%	11%	11%	19%	20%	21%	21%
2x110 kV Tap Placeres - Placeres C1	48%	49%	50%	51%	53%	54%	56%
2x110 kV Tap Placeres - Placeres C2	0%	0%	0%	0%	0%	0%	0%
2x110 kV Tap Placeres - Tap Valparaíso C1	36%	37%	38%	7%	8%	8%	7%
2x110 kV Tap Placeres - Tap Valparaíso C2	43%	44%	45%	13%	13%	13%	14%
2x110 kV Tap Playa Ancha - Playa Ancha C1	11%	12%	12%	12%	12%	13%	13%
2x110 kV Tap Playa Ancha - Playa Ancha C2	16%	16%	17%	17%	17%	18%	18%
2x110 kV Tap Quilpué - Quilpué C1	36%	37%	38%	39%	40%	41%	42%
2x110 kV Tap Quilpué - Quilpué C2	28%	28%	29%	30%	30%	31%	32%
2x110 kV Tap Quilpué - Tap Achupallas C1	21%	21%	21%	28%	27%	27%	27%
2x110 kV Tap Quilpué - Tap Achupallas C2	25%	26%	26%	23%	22%	23%	23%
2x110 kV Tap San Felipe - Nueva San Rafael C1	58%	58%	54%	80%	79%	80%	80%
2x110 kV Tap San Felipe - Nueva San Rafael C2	58%	58%	54%	79%	79%	79%	80%
2x110 kV Tap San Felipe - San Felipe C1	21%	21%	22%	23%	23%	24%	25%
2x110 kV Tap San Felipe - San Felipe C2	21%	21%	22%	23%	23%	24%	25%

2x110 kV Tap San Rafael - San Rafael C1	49%	50%	52%	53%	55%	56%	58%
2x110 kV Tap San Rafael - San Rafael C2	61%	61%	63%	65%	67%	69%	71%
2x110 kV Tap Valparaiso - Valparaiso C1	28%	28%	29%	29%	30%	31%	32%
2x110 kV Tap Valparaiso - Valparaiso C2	38%	39%	40%	40%	41%	43%	44%
2x110 kV Torquemada - Miraflores C1	18%	18%	18%	9%	9%	9%	9%
2x110 kV Torquemada - Miraflores C2	18%	18%	18%	9%	9%	9%	9%
2x110 kV Torquemada - ConCón C1	29%	29%	30%	31%	32%	33%	34%
2x110 kV Torquemada - ConCón C2	29%	29%	30%	31%	32%	33%	34%
2x110 kV Torquemada - Mauco C1	13%	13%	14%	14%	14%	15%	15%
2x110 kV Torquemada - Mauco C2	13%	13%	14%	14%	14%	15%	15%
2x110 kV Ventanas - Torquemada C1	0%	0%	0%	0%	0%	0%	0%
2x110 kV Ventanas - Torquemada C2	46%	47%	48%	34%	34%	35%	35%
2x110 kV Ventanas - Torquemada C2	0%	0%	53%	39%	39%	40%	41%
2x220 kV Nueva Ventanas - Nogales C1	20%	21%	20%	17%	17%	17%	17%
2x220 kV Nueva Ventanas - Nogales C2	20%	21%	20%	17%	17%	17%	17%
2x220 kV San Luis - Agua Santa C1	20%	20%	21%	23%	23%	24%	24%
2x220 kV San Luis - Agua Santa C1	20%	20%	21%	23%	23%	24%	24%
2x44 kV Chagres - Tap Panquehue C1	7%	7%	7%	11%	11%	12%	12%
2x44 kV Chagres - Tap Panquehue C2	34%	34%	35%	29%	30%	31%	31%
2x44 kV FFCC Los Andes - Riecillos C1	2%	2%	2%	2%	2%	2%	2%
2x44 kV FFCC Los Andes - Riecillos C2	2%	2%	2%	2%	2%	2%	2%
2x44 kV La Calera - Tap Pachacama C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV La Calera - Tap Pachacama C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Las Vegas - Tap Chagres C1	46%	46%	48%	34%	35%	36%	37%
2x44 kV Las Vegas - Tap Chagres C2	25%	25%	26%	45%	46%	48%	49%
2x44 kV Panquehue - Tap San Felipe C1	7%	7%	7%	11%	11%	12%	12%
2x44 kV Panquehue - Tap San Felipe C2	8%	8%	8%	6%	6%	6%	7%
2x44 kV Riecillos - Río Blanco C1	3%	3%	3%	3%	3%	3%	3%
2x44 kV Riecillos - Río Blanco C2	1%	1%	1%	1%	1%	1%	1%

2x44 kV Río Blanco - Juncal C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Tap Caleu - Rungue C1	8%	8%	8%	4%	4%	4%	4%
2x44 kV Tap Caleu - Rungue C2	8%	8%	9%	4%	4%	5%	5%
2x44 kV Tap Entel - Tap Rungue C1	8%	8%	8%	4%	4%	4%	4%
2x44 kV Tap Entel - Tap Rungue C2	9%	9%	9%	5%	6%	6%	6%
2x44 kV Tap Pachacama - Las Vegas C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap Pachacama - Las Vegas C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Rafael - FFCC Los Andes C1	6%	6%	6%	9%	10%	10%	10%
2x44 kV Tap San Rafael - FFCC Los Andes C2	6%	6%	6%	5%	5%	6%	6%
2x66 kV Aconcagua - Saladillo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Aconcagua - Saladillo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Algarrobo Norte - Litoral C1	40%	41%	42%	5%	5%	5%	5%
2x66 kV Algarrobo Norte - Litoral C2	36%	37%	38%	3%	3%	3%	3%
2x66 kV L. Verde - Quintay C1	40%	40%	41%	6%	6%	6%	6%
2x66 kV L. Verde - Quintay C2	42%	42%	43%	7%	7%	7%	7%
2x66 kV Saladillo - km 21 C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Saladillo - km 21 C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV San Sebastián - San Antonio C1	1%	1%	1%	1%	1%	1%	1%
2x66 kV San Sebastián - San Antonio C2	18%	19%	19%	20%	20%	21%	21%
2x66 kV Tap Algarrobo - Casablanca C1	41%	41%	42%	22%	22%	23%	23%
2x66 kV Tap Algarrobo - Casablanca C2	1%	1%	1%	1%	1%	1%	1%
2x66 kV Tap Algarrobo - Tap San Sebastián C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Algarrobo - Tap San Sebastián C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Algarrobo Norte C1	40%	40%	42%	5%	5%	5%	5%
2x66 kV Tap Quintay - Algarrobo Norte C2	40%	41%	42%	5%	5%	5%	5%
2x66 kV Tap Quintay - Quintay C1	0%	0%	0%	0%	0%	0%	0%

2x66 kV Tap Quintay - Quintay C2	1%	1%	2%	1%	2%	2%	2%
2x66 kV Tap San Sebastian - San Sebastian C1	25%	25%	26%	27%	28%	29%	29%
2x66 kV Tap San Sebastian - San Sebastian C2	0%	0%	0%	0%	0%	0%	0%

Tabla 1-25. Cargabilidad de líneas de transmisión en escenario Verano Noche, zona Quinta.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Agua Santa - Placilla	22%	23%	12%	13%	13%	13%	14%
1x110 kV Alto Melipilla - Leyda	20%	21%	21%	22%	22%	23%	24%
1x110 kV Alto Melipilla - San Antonio	19%	20%	20%	21%	21%	22%	23%
1x110 kV Central Los Quilos - Los Maquis	32%	33%	33%	33%	33%	33%	33%
1x110 kV Colmito - Torquemada	0%	0%	0%	0%	0%	0%	0%
1x110 kV Concón - Bosquemar	11%	12%	12%	6%	6%	7%	7%
1x110 kV Desalinizadora - Torquemada	45%	46%	47%	33%	34%	34%	35%
1x110 kV La Calera - El Cobre	45%	47%	48%	49%	50%	52%	53%
1x110 kV Las Vegas - Cristalerías	11%	12%	12%	12%	12%	13%	13%
1x110 kV Leyda - San Antonio	17%	18%	18%	19%	19%	20%	20%
1x110 kV San Pedro - Peñablanca	27%	28%	28%	34%	35%	36%	37%
1x110 kV San Pedro - Quillota	53%	55%	57%	24%	25%	26%	27%
1x110 kV San Pedro - Tap Pachacama	59%	61%	62%	13%	14%	14%	15%
1x110 kV San Pedro - Tap Quilpué	34%	35%	36%	47%	48%	49%	51%
1x110 kV San Rafael - Totoralillo	116%	120%	116%	141%	143%	144%	146%
1x110 kV Tap Achupallas - Tap Reñaca	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Alto Melipilla - Bajo Melipilla	33%	34%	35%	36%	37%	38%	39%
1x110 kV Tap Alto Melipilla - Bollenar	28%	29%	29%	30%	30%	31%	31%
1x110 kV Tap Chagres - Chagres	22%	23%	23%	23%	23%	24%	25%

1x110 kV Tap Codelco Ventanas - Ventanas	59%	61%	63%	65%	66%	68%	70%
1x110 kV Tap La Palma - Tap Pachacama	22%	23%	23%	4%	5%	5%	5%
1x110 kV Tap Playa Ancha - Laguna Verde	21%	22%	23%	4%	4%	4%	4%
1x110 kV Tap Reñaca - Concón	45%	47%	48%	22%	23%	23%	24%
1x110 kV Tap Reñaca - Reñaca	45%	47%	48%	49%	51%	52%	54%
1x110 kV Tap San Rafael - Tap Los Maquis	87%	90%	89%	112%	113%	114%	116%
1x110 kV Totalillo - Tap Los Maquis	65%	67%	63%	88%	90%	91%	93%
1x110 kV Ventanas - Desalinizadora	63%	65%	67%	53%	55%	56%	57%
1x110 kV Ventanas - GNL Quinteros	0%	0%	0%	0%	0%	0%	0%
1x220 kV Los Maquis - Cordillera	16%	17%	17%	16%	16%	16%	16%
1x220 kV Los Maquis - Hornitos	15%	16%	16%	16%	16%	16%	16%
1x220 kV Tap El Llano - Los Maquis	5%	5%	5%	4%	4%	4%	4%
1x220 kV Tap El Llano - SAG	9%	9%	9%	9%	9%	9%	9%
1x44 kV Catemu - Los Ángeles	34%	35%	36%	37%	38%	39%	41%
1x44 kV Chagres - Catemu	40%	41%	43%	44%	45%	46%	48%
1x44 kV El Melón - Túnel El Melón	1%	1%	1%	1%	1%	2%	2%
1x44 kV La Calera - El Melón	27%	27%	28%	29%	30%	31%	32%
1x44 kV Las Vegas - Tap Caleu	8%	8%	8%	4%	4%	4%	4%
1x44 kV Las Vegas - Tap Entel	8%	9%	9%	5%	5%	5%	6%
1x66 kV Algarrobo - Los Poetas	0%	0%	0%	0%	15%	15%	15%
1x66 kV La Calera - La Calera Centro	20%	20%	21%	21%	22%	23%	23%
1x66 kV La Calera Centro - Esperanza C1	1%	1%	1%	1%	1%	1%	1%
1x66 kV La Calera Centro - Esperanza C2	0%	0%	0%	0%	0%	0%	0%
1x66 kV Las Piñatas - Tap El Manzano	35%	37%	38%	36%	3%	3%	3%
1x66 kV Los Quilos - Aconcagua	16%	16%	16%	16%	16%	16%	16%
1x66 kV San Jerónimo - Las Piñatas	36%	37%	38%	36%	5%	6%	6%
1x66 kV Tap Algarrobo - San Jerónimo	43%	44%	45%	44%	10%	10%	11%
1x66 kV Tap El Manzano - El Totoral	9%	9%	9%	9%	9%	9%	10%
1x66 kV Tap El Manzano - Las Balandras	26%	27%	28%	27%	27%	28%	29%

2110 Kv Tap Chagres - Nueva Panquehue C1	4%	4%	3%	9%	9%	9%	9%
2110 Kv Tap Chagres - Nueva Panquehue C2	4%	5%	4%	9%	9%	9%	9%
2x110 kV A. Santa - Tap Placeres C1	73%	75%	77%	41%	42%	43%	44%
2x110 kV A. Santa - Tap Placeres C2	48%	49%	51%	14%	15%	15%	15%
2x110 kV Agua Santa - Miraflores C1	23%	24%	25%	32%	32%	33%	34%
2x110 kV Agua Santa - Miraflores C2	23%	24%	25%	32%	32%	33%	34%
2x110 kV Agua Santa - Tap Los Placeres C1	48%	49%	51%	15%	15%	15%	15%
2x110 kV Agua Santa - Tap Los Placeres C2	73%	75%	77%	41%	42%	43%	44%
2x110 kV Esperanza - Río Aconcagua C1	0%	0%	0%	46%	47%	47%	48%
2x110 kV Esperanza - Río Aconcagua C2	0%	0%	0%	46%	47%	47%	48%
2x110 kV Las Vegas - Esperanza C1	0%	0%	0%	0%	0%	0%	0%
2x110 kV Las Vegas - Esperanza C2	0%	0%	0%	0%	0%	0%	0%
2x110 kV Mayaca - Tap Off Mayaca C1	7%	7%	8%	8%	8%	8%	8%
2x110 kV Mayaca - Tap Off Mayaca C2	15%	16%	16%	16%	17%	17%	18%
2x110 kV Miraflores - Marga Marga C1	43%	44%	45%	47%	48%	49%	51%
2x110 kV Miraflores - Marga Marga C2	32%	33%	34%	35%	36%	37%	38%
2x110 kV Nueva Panquehue - Tap San Felipe C1	4%	4%	4%	9%	9%	9%	9%
2x110 kV Nueva Panquehue - Tap San Felipe C2	4%	4%	4%	9%	9%	9%	9%
2x110 kV Nueva Río Aconcagua - Chagres C1	6%	6%	7%	7%	7%	8%	8%
2x110 kV Nueva Río Aconcagua - Chagres C2	5%	6%	7%	7%	7%	7%	8%
2x110 kV Nueva San Rafael - Bypass San Rafael C1	0%	0%	36%	45%	46%	47%	47%
2x110 kV Nueva San Rafael - Bypass San Rafael C2	0%	0%	41%	50%	51%	51%	52%
2x110 kV Nueva San Rafael - Tap San Rafael C1	31%	32%	77%	80%	82%	84%	87%
2x110 kV Nueva San Rafael - Tap San Rafael C2	81%	84%	38%	40%	41%	42%	43%
2x110 kV Peñablanca - Tap Quilpué C1	5%	5%	5%	9%	9%	9%	9%
2x110 kV Peñablanca - Tap Quilpué C2	8%	9%	9%	15%	15%	15%	15%
2x110 kV San Pedro - Tap Codelco Ventanas C1	20%	20%	20%	4%	3%	3%	3%
2x110 kV San Pedro - Tap Codelco Ventanas C2	20%	20%	20%	4%	3%	3%	3%
2x110 kV San Pedro - Tap Mayaca C1	83%	86%	87%	22%	24%	24%	25%

2x110 kV San Pedro - Tap Mayaca C2	74%	77%	77%	14%	16%	16%	16%
2x110 kV Tap Achupallas - Miraflores C1	19%	20%	20%	27%	26%	26%	26%
2x110 kV Tap Achupallas - Miraflores C2	24%	25%	25%	22%	22%	22%	23%
2x110 kV Tap Codelco Ventanas - Ventanas C1	29%	30%	30%	12%	12%	12%	12%
2x110 kV Tap Codelco Ventanas - Ventanas C2	29%	30%	30%	12%	12%	12%	12%
2x110 kV Tap Los Maquis - Aconcagua C1	71%	74%	74%	73%	74%	74%	74%
2x110 kV Tap Los Maquis - Aconcagua C2	70%	73%	73%	73%	73%	73%	73%
2x110 kV Tap Los Maquis - Los Maquis C1	20%	21%	20%	39%	41%	42%	44%
2x110 kV Tap Los Maquis - Los Maquis C2	17%	18%	21%	9%	10%	11%	13%
2x110 kV Tap Pachacama - La Calera C1	53%	55%	57%	58%	59%	61%	63%
2x110 kV Tap Pachacama - La Calera C2	28%	29%	29%	30%	31%	32%	33%
2x110 kV Tap Pachacama - Las Vegas C1	5%	5%	5%	26%	27%	27%	28%
2x110 kV Tap Pachacama - Las Vegas C2	11%	11%	11%	19%	20%	20%	21%
2x110 kV Tap Placeres - Placeres C1	46%	48%	49%	50%	51%	53%	54%
2x110 kV Tap Placeres - Placeres C2	0%	0%	0%	0%	0%	0%	0%
2x110 kV Tap Placeres - Tap Valparaíso C1	35%	36%	37%	7%	7%	7%	7%
2x110 kV Tap Placeres - Tap Valparaíso C2	41%	43%	44%	13%	13%	13%	13%
2x110 kV Tap Playa Ancha - Playa Ancha C1	11%	11%	12%	12%	12%	12%	13%
2x110 kV Tap Playa Ancha - Playa Ancha C2	15%	16%	16%	17%	17%	17%	18%
2x110 kV Tap Quilpué - Quilpué C1	35%	36%	37%	38%	39%	40%	41%
2x110 kV Tap Quilpué - Quilpué C2	27%	28%	29%	29%	30%	31%	31%
2x110 kV Tap Quilpué - Tap Achupallas C1	20%	20%	21%	27%	26%	26%	27%
2x110 kV Tap Quilpué - Tap Achupallas C2	24%	25%	25%	22%	22%	22%	23%
2x110 kV Tap San Felipe - Nueva San Rafael C1	55%	57%	53%	78%	78%	78%	78%
2x110 kV Tap San Felipe - Nueva San Rafael C2	55%	57%	53%	78%	78%	78%	78%
2x110 kV Tap San Felipe - San Felipe C1	20%	21%	22%	22%	23%	23%	24%
2x110 kV Tap San Felipe - San Felipe C2	20%	21%	22%	22%	23%	24%	24%
2x110 kV Tap San Rafael - San Rafael C1	47%	49%	51%	52%	53%	55%	57%
2x110 kV Tap San Rafael - San Rafael C2	58%	60%	62%	64%	66%	68%	70%

2x110 kV Tap Valparaíso - Valparaíso C1	26%	27%	28%	29%	29%	30%	31%
2x110 kV Tap Valparaíso - Valparaíso C2	36%	38%	39%	39%	41%	42%	43%
2x110 kV Torquemada - Miraflores C1	17%	17%	18%	9%	9%	9%	9%
2x110 kV Torquemada - Miraflores C2	17%	17%	18%	9%	9%	9%	9%
2x110 kV Torquemada - ConCón C1	28%	29%	30%	30%	31%	32%	33%
2x110 kV Torquemada - ConCón C2	28%	29%	30%	30%	31%	32%	33%
2x110 kV Torquemada - Mauco C1	13%	13%	13%	14%	14%	15%	15%
2x110 kV Torquemada - Mauco C2	13%	13%	13%	14%	14%	15%	15%
2x110 kV Ventanas - Torquemada C1	0%	0%	0%	0%	0%	0%	0%
2x110 kV Ventanas - Torquemada C2	45%	46%	47%	33%	34%	34%	35%
2x110 kV Ventanas - Torquemada C2	0%	0%	51%	38%	38%	39%	40%
2x220 kV Nueva Ventanas - Nogales C1	20%	20%	20%	17%	17%	17%	16%
2x220 kV Nueva Ventanas - Nogales C2	20%	20%	20%	17%	17%	17%	16%
2x220 kV San Luis - Agua Santa C1	19%	20%	21%	23%	23%	23%	24%
2x220 kV San Luis - Agua Santa C1	19%	20%	21%	23%	23%	23%	24%
2x44 kV Chagres - Tap Panquehue C1	6%	7%	7%	11%	11%	12%	12%
2x44 kV Chagres - Tap Panquehue C2	32%	34%	35%	28%	29%	30%	31%
2x44 kV FFCC Los Andes - Riecillos C1	2%	2%	2%	2%	2%	2%	2%
2x44 kV FFCC Los Andes - Riecillos C2	2%	2%	2%	2%	2%	2%	2%
2x44 kV La Calera - Tap Pachacama C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV La Calera - Tap Pachacama C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Las Vegas - Tap Chagres C1	44%	45%	47%	33%	34%	35%	36%
2x44 kV Las Vegas - Tap Chagres C2	24%	25%	25%	44%	46%	47%	48%
2x44 kV Panquehue - Tap San Felipe C1	7%	7%	7%	11%	11%	11%	12%
2x44 kV Panquehue - Tap San Felipe C2	7%	8%	8%	6%	6%	6%	6%
2x44 kV Riecillos - Río Blanco C1	2%	3%	3%	3%	3%	3%	3%
2x44 kV Riecillos - Río Blanco C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C2	1%	1%	1%	1%	1%	1%	1%

2x44 kV Tap Caleu - Rungue C1	7%	8%	8%	4%	4%	4%	4%
2x44 kV Tap Caleu - Rungue C2	8%	8%	8%	4%	4%	4%	4%
2x44 kV Tap Entel - Tap Rungue C1	8%	8%	8%	4%	4%	4%	4%
2x44 kV Tap Entel - Tap Rungue C2	8%	9%	9%	5%	5%	5%	6%
2x44 kV Tap Pachacama - Las Vegas C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap Pachacama - Las Vegas C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Rafael - FFCC Los Andes C1	6%	6%	6%	9%	9%	10%	10%
2x44 kV Tap San Rafael - FFCC Los Andes C2	6%	6%	6%	5%	5%	5%	6%
2x66 kV Aconcagua - Saladillo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Aconcagua - Saladillo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Algarrobo Norte - Litoral C1	38%	40%	41%	5%	5%	5%	5%
2x66 kV Algarrobo Norte - Litoral C2	35%	36%	37%	3%	3%	3%	3%
2x66 kV L. Verde - Quintay C1	38%	40%	41%	6%	6%	6%	5%
2x66 kV L. Verde - Quintay C2	40%	41%	43%	7%	7%	7%	7%
2x66 kV Saladillo - km 21 C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Saladillo - km 21 C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV San Sebastián - San Antonio C1	1%	1%	1%	1%	1%	1%	1%
2x66 kV San Sebastián - San Antonio C2	17%	18%	19%	19%	20%	20%	21%
2x66 kV Tap Algarrobo - Casablanca C1	39%	40%	41%	21%	22%	22%	23%
2x66 kV Tap Algarrobo - Casablanca C2	1%	1%	1%	1%	1%	1%	1%
2x66 kV Tap Algarrobo - Tap San Sebastián C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Algarrobo - Tap San Sebastián C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Algarrobo Norte C1	38%	40%	41%	5%	5%	5%	5%
2x66 kV Tap Quintay - Algarrobo Norte C2	38%	40%	41%	5%	5%	5%	5%
2x66 kV Tap Quintay - Quintay C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Quintay C2	1%	1%	1%	1%	1%	2%	2%
2x66 kV Tap San Sebastian - San Sebastian C1	24%	25%	26%	26%	27%	28%	29%

2x66 kV Tap San Sebastian - San Sebastian C2	0%	0%	0%	0%	0%	0%	0%
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Tabla 1-26. Cargabilidad de líneas de transmisión en escenario Invierno Día, zona Quinta.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Agua Santa - Placilla	20%	21%	11%	11%	12%	12%	12%
1x110 kV Alto Melipilla - Leyda	17%	18%	19%	19%	20%	20%	21%
1x110 kV Alto Melipilla - San Antonio	17%	17%	18%	19%	19%	20%	20%
1x110 kV Central Los Quilos - Los Maquis	28%	29%	29%	29%	29%	29%	29%
1x110 kV Colmito - Torquemada	0%	0%	0%	0%	0%	0%	0%
1x110 kV Concón - Bosquemar	13%	13%	13%	7%	7%	7%	8%
1x110 kV Desalinizadora - Torquemada	39%	40%	41%	21%	21%	21%	22%
1x110 kV La Calera - El Cobre	40%	42%	43%	43%	44%	46%	47%
1x110 kV Las Vegas - Cristalerías	10%	10%	11%	10%	11%	11%	11%
1x110 kV Leyda - San Antonio	16%	16%	17%	18%	18%	19%	19%
1x110 kV San Pedro - Peñablanca	14%	15%	15%	21%	21%	22%	23%
1x110 kV San Pedro - Quillota	0%	0%	0%	0%	0%	0%	0%
1x110 kV San Pedro - Tap Pachacama	33%	34%	34%	42%	44%	46%	48%
1x110 kV San Pedro - Tap Quilpué	4%	5%	3%	15%	15%	16%	17%
1x110 kV San Rafael - Totoralillo	73%	76%	74%	97%	98%	99%	100%
1x110 kV Tap Achupallas - Tap Reñaca	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Alto Melipilla - Bajo Melipilla	27%	28%	29%	30%	31%	31%	32%
1x110 kV Tap Alto Melipilla - Bollenar	23%	23%	24%	24%	24%	25%	25%
1x110 kV Tap Chagres - Chagres	15%	16%	17%	16%	16%	17%	17%

1x110 kV Tap Codelco Ventanas - Ventanas	64%	66%	68%	70%	72%	74%	76%
1x110 kV Tap La Palma - Tap Pachacama	16%	17%	17%	6%	6%	6%	7%
1x110 kV Tap Playa Ancha - Laguna Verde	20%	21%	21%	1%	1%	1%	1%
1x110 kV Tap Reñaca - Concón	49%	51%	52%	24%	24%	25%	26%
1x110 kV Tap Reñaca - Reñaca	49%	51%	52%	53%	55%	57%	58%
1x110 kV Tap San Rafael - Tap Los Maquis	59%	61%	60%	82%	83%	85%	86%
1x110 kV Totalillo - Tap Los Maquis	43%	44%	42%	64%	65%	66%	67%
1x110 kV Ventanas - Desalinizadora	55%	57%	58%	38%	40%	41%	42%
1x110 kV Ventanas - GNL Quinteros	0%	0%	0%	0%	0%	0%	0%
1x220 kV Los Maquis - Cordillera	16%	17%	17%	16%	16%	16%	16%
1x220 kV Los Maquis - Hornitos	7%	7%	8%	7%	7%	7%	7%
1x220 kV Tap El Llano - Los Maquis	7%	7%	7%	5%	4%	4%	4%
1x220 kV Tap El Llano - SAG	8%	9%	8%	8%	8%	8%	8%
1x44 kV Catemu - Los Ángeles	27%	28%	29%	29%	30%	30%	31%
1x44 kV Chagres - Catemu	23%	24%	25%	25%	26%	27%	27%
1x44 kV El Melón - Túnel El Melón	2%	2%	2%	2%	2%	2%	2%
1x44 kV La Calera - El Melón	22%	22%	23%	23%	24%	24%	25%
1x44 kV Las Vegas - Tap Caleu	6%	6%	6%	3%	3%	3%	3%
1x44 kV Las Vegas - Tap Entel	7%	7%	7%	4%	5%	5%	5%
1x66 kV Algarrobo - Los Poetas	0%	0%	0%	0%	0%	21%	21%
1x66 kV La Calera - La Calera Centro	12%	13%	13%	13%	14%	14%	15%
1x66 kV La Calera Centro - Esperanza C1	1%	1%	1%	1%	1%	1%	1%
1x66 kV La Calera Centro - Esperanza C2	0%	0%	0%	0%	0%	0%	0%
1x66 kV Las Piñatas - Tap El Manzano	42%	44%	45%	43%	3%	3%	4%
1x66 kV Los Quilos - Aconcagua	13%	14%	14%	14%	14%	14%	14%
1x66 kV San Jerónimo - Las Piñatas	46%	48%	49%	47%	7%	7%	7%
1x66 kV Tap Algarrobo - San Jerónimo	51%	52%	54%	52%	12%	12%	12%
1x66 kV Tap El Manzano - El Totoral	10%	11%	11%	11%	11%	11%	12%
1x66 kV Tap El Manzano - Las Balandras	31%	32%	33%	32%	32%	33%	34%

2110 Kv Tap Chagres - Nueva Panquehue C1	26%	27%	28%	34%	34%	34%	34%
2110 Kv Tap Chagres - Nueva Panquehue C2	26%	27%	28%	34%	34%	34%	34%
2x110 kV A. Santa - Tap Placeres C1	48%	50%	51%	24%	25%	25%	26%
2x110 kV A. Santa - Tap Placeres C2	29%	30%	31%	7%	7%	7%	6%
2x110 kV Agua Santa - Miraflores C1	28%	29%	30%	41%	42%	44%	45%
2x110 kV Agua Santa - Miraflores C2	28%	29%	30%	41%	42%	44%	45%
2x110 kV Agua Santa - Tap Los Placeres C1	29%	30%	31%	7%	7%	7%	7%
2x110 kV Agua Santa - Tap Los Placeres C2	48%	50%	51%	24%	25%	25%	26%
2x110 kV Esperanza - Río Aconcagua C1	0%	0%	0%	62%	63%	64%	65%
2x110 kV Esperanza - Río Aconcagua C2	0%	0%	0%	62%	63%	64%	65%
2x110 kV Las Vegas - Esperanza C1	0%	0%	0%	41%	41%	42%	43%
2x110 kV Las Vegas - Esperanza C2	0%	0%	0%	41%	41%	42%	43%
2x110 kV Mayaca - Tap Off Mayaca C1	4%	5%	5%	5%	5%	5%	5%
2x110 kV Mayaca - Tap Off Mayaca C2	15%	16%	16%	16%	17%	17%	18%
2x110 kV Miraflores - Marga Marga C1	37%	39%	40%	40%	42%	43%	44%
2x110 kV Miraflores - Marga Marga C2	28%	29%	30%	31%	32%	33%	33%
2x110 kV Nueva Panquehue - Tap San Felipe C1	27%	28%	28%	35%	34%	34%	34%
2x110 kV Nueva Panquehue - Tap San Felipe C2	26%	27%	28%	34%	34%	34%	33%
2x110 kV Nueva Río Aconcagua - Chagres C1	36%	37%	40%	36%	36%	37%	37%
2x110 kV Nueva Río Aconcagua - Chagres C2	32%	34%	36%	33%	33%	34%	34%
2x110 kV Nueva San Rafael - Bypass San Rafael C1	0%	0%	36%	49%	49%	50%	51%
2x110 kV Nueva San Rafael - Bypass San Rafael C2	0%	0%	40%	53%	54%	54%	55%
2x110 kV Nueva San Rafael - Tap San Rafael C1	30%	31%	55%	57%	59%	61%	62%
2x110 kV Nueva San Rafael - Tap San Rafael C2	53%	55%	26%	27%	28%	28%	29%
2x110 kV Peñablanca - Tap Quilpué C1	6%	7%	7%	3%	3%	3%	4%
2x110 kV Peñablanca - Tap Quilpué C2	11%	11%	12%	6%	6%	6%	6%
2x110 kV San Pedro - Tap Codelco Ventanas C1	31%	32%	33%	9%	9%	9%	9%
2x110 kV San Pedro - Tap Codelco Ventanas C2	31%	32%	33%	9%	9%	9%	9%
2x110 kV San Pedro - Tap Mayaca C1	58%	60%	60%	14%	15%	16%	17%

2x110 kV San Pedro - Tap Mayaca C2	48%	49%	49%	26%	28%	29%	30%
2x110 kV Tap Achupallas - Miraflores C1	33%	35%	36%	25%	25%	26%	27%
2x110 kV Tap Achupallas - Miraflores C2	39%	41%	42%	36%	37%	38%	40%
2x110 kV Tap Codelco Ventanas - Ventanas C1	40%	41%	42%	18%	19%	19%	19%
2x110 kV Tap Codelco Ventanas - Ventanas C2	40%	41%	42%	18%	19%	19%	19%
2x110 kV Tap Los Maquis - Aconcagua C1	53%	55%	55%	55%	55%	55%	55%
2x110 kV Tap Los Maquis - Aconcagua C2	52%	54%	54%	54%	54%	54%	54%
2x110 kV Tap Los Maquis - Los Maquis C1	9%	9%	9%	28%	29%	30%	31%
2x110 kV Tap Los Maquis - Los Maquis C2	17%	18%	19%	9%	9%	9%	10%
2x110 kV Tap Pachacama - La Calera C1	49%	51%	52%	52%	54%	56%	57%
2x110 kV Tap Pachacama - La Calera C2	16%	17%	18%	18%	18%	19%	19%
2x110 kV Tap Pachacama - Las Vegas C1	5%	6%	6%	35%	36%	38%	39%
2x110 kV Tap Pachacama - Las Vegas C2	6%	6%	5%	26%	28%	29%	30%
2x110 kV Tap Placeres - Placeres C1	52%	54%	55%	56%	57%	59%	61%
2x110 kV Tap Placeres - Placeres C2	0%	0%	0%	0%	0%	0%	0%
2x110 kV Tap Placeres - Tap Valparaíso C1	30%	31%	32%	10%	10%	10%	10%
2x110 kV Tap Placeres - Tap Valparaíso C2	37%	38%	39%	9%	9%	9%	9%
2x110 kV Tap Playa Ancha - Playa Ancha C1	12%	12%	13%	13%	13%	14%	14%
2x110 kV Tap Playa Ancha - Playa Ancha C2	16%	17%	17%	17%	18%	18%	19%
2x110 kV Tap Quilpué - Quilpué C1	37%	38%	39%	40%	41%	42%	43%
2x110 kV Tap Quilpué - Quilpué C2	29%	30%	31%	31%	32%	33%	34%
2x110 kV Tap Quilpué - Tap Achupallas C1	33%	35%	36%	25%	25%	26%	27%
2x110 kV Tap Quilpué - Tap Achupallas C2	39%	41%	42%	36%	37%	38%	40%
2x110 kV Tap San Felipe - Nueva San Rafael C1	38%	39%	37%	57%	57%	57%	57%
2x110 kV Tap San Felipe - Nueva San Rafael C2	38%	39%	37%	57%	57%	57%	57%
2x110 kV Tap San Felipe - San Felipe C1	19%	20%	20%	21%	21%	22%	23%
2x110 kV Tap San Felipe - San Felipe C2	19%	20%	20%	21%	22%	22%	23%
2x110 kV Tap San Rafael - San Rafael C1	35%	36%	37%	38%	39%	41%	42%
2x110 kV Tap San Rafael - San Rafael C2	57%	59%	60%	63%	64%	66%	68%

2x110 kV Tap Valparaíso - Valparaíso C1	22%	23%	24%	24%	25%	25%	26%
2x110 kV Tap Valparaíso - Valparaíso C2	25%	26%	27%	27%	28%	28%	29%
2x110 kV Torquemada - Miraflores C1	13%	13%	14%	12%	12%	12%	13%
2x110 kV Torquemada - Miraflores C2	13%	13%	14%	12%	12%	12%	13%
2x110 kV Torquemada - ConCón C1	27%	28%	28%	29%	30%	31%	32%
2x110 kV Torquemada - ConCón C2	27%	28%	28%	29%	30%	31%	32%
2x110 kV Torquemada - Mauco C1	10%	11%	11%	11%	12%	12%	12%
2x110 kV Torquemada - Mauco C2	10%	11%	11%	11%	12%	12%	12%
2x110 kV Ventanas - Torquemada C1	43%	44%	0%	0%	0%	0%	0%
2x110 kV Ventanas - Torquemada C2	39%	40%	41%	21%	21%	21%	22%
2x110 kV Ventanas - Torquemada C2	0%	0%	45%	25%	25%	26%	26%
2x220 kV Nueva Ventanas - Nogales C1	12%	12%	12%	9%	9%	9%	9%
2x220 kV Nueva Ventanas - Nogales C2	12%	12%	12%	9%	9%	9%	9%
2x220 kV San Luis - Agua Santa C1	21%	22%	23%	14%	14%	15%	15%
2x220 kV San Luis - Agua Santa C1	21%	22%	23%	14%	14%	15%	15%
2x44 kV Chagres - Tap Panquehue C1	2%	2%	2%	8%	8%	8%	8%
2x44 kV Chagres - Tap Panquehue C2	23%	24%	24%	18%	19%	19%	20%
2x44 kV FFCC Los Andes - Riecillos C1	2%	2%	2%	2%	2%	2%	2%
2x44 kV FFCC Los Andes - Riecillos C2	2%	2%	2%	2%	2%	2%	2%
2x44 kV La Calera - Tap Pachacama C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV La Calera - Tap Pachacama C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Las Vegas - Tap Chagres C1	25%	26%	26%	17%	17%	18%	18%
2x44 kV Las Vegas - Tap Chagres C2	17%	17%	18%	31%	31%	32%	32%
2x44 kV Panquehue - Tap San Felipe C1	2%	2%	2%	7%	7%	8%	8%
2x44 kV Panquehue - Tap San Felipe C2	3%	4%	4%	3%	3%	3%	3%
2x44 kV Riecillos - Río Blanco C1	2%	2%	2%	2%	2%	3%	3%
2x44 kV Riecillos - Río Blanco C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C2	1%	1%	1%	1%	1%	1%	1%

2x44 kV Tap Caleu - Rungue C1	6%	6%	6%	3%	3%	3%	3%
2x44 kV Tap Caleu - Rungue C2	6%	6%	6%	4%	4%	4%	4%
2x44 kV Tap Entel - Tap Rungue C1	6%	6%	6%	3%	3%	3%	3%
2x44 kV Tap Entel - Tap Rungue C2	7%	7%	7%	4%	5%	5%	5%
2x44 kV Tap Pachacama - Las Vegas C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap Pachacama - Las Vegas C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Rafael - FFCC Los Andes C1	2%	2%	2%	6%	6%	6%	6%
2x44 kV Tap San Rafael - FFCC Los Andes C2	3%	3%	3%	3%	3%	3%	3%
2x66 kV Aconcagua - Saladillo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Aconcagua - Saladillo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Algarrobo Norte - Litoral C1	36%	37%	38%	1%	2%	2%	2%
2x66 kV Algarrobo Norte - Litoral C2	32%	33%	34%	3%	3%	3%	3%
2x66 kV L. Verde - Quintay C1	36%	37%	38%	1%	1%	1%	2%
2x66 kV L. Verde - Quintay C2	38%	39%	40%	3%	3%	3%	3%
2x66 kV Saladillo - km 21 C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Saladillo - km 21 C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV San Sebastián - San Antonio C1	1%	1%	1%	1%	1%	1%	1%
2x66 kV San Sebastián - San Antonio C2	21%	22%	22%	23%	24%	25%	25%
2x66 kV Tap Algarrobo - Casablanca C1	30%	31%	31%	30%	31%	32%	33%
2x66 kV Tap Algarrobo - Casablanca C2	0%	0%	0%	1%	1%	1%	1%
2x66 kV Tap Algarrobo - Tap San Sebastián C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Algarrobo - Tap San Sebastián C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Algarrobo Norte C1	36%	37%	38%	1%	1%	2%	2%
2x66 kV Tap Quintay - Algarrobo Norte C2	36%	37%	38%	1%	1%	1%	1%
2x66 kV Tap Quintay - Quintay C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Quintay C2	2%	2%	2%	2%	2%	2%	2%
2x66 kV Tap San Sebastian - San Sebastian C1	29%	30%	31%	32%	33%	34%	35%

2x66 kV Tap San Sebastian - San Sebastian C2	0%	0%	0%	0%	0%	0%	0%
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Tabla 1-27. Cargabilidad de líneas de transmisión en escenario Invierno Noche, zona Quinta.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Agua Santa - Placilla	21%	21%	11%	11%	12%	12%	12%
1x110 kV Alto Melipilla - Leyda	18%	18%	19%	20%	20%	21%	21%
1x110 kV Alto Melipilla - San Antonio	17%	18%	18%	19%	19%	20%	21%
1x110 kV Central Los Quilos - Los Maquis	29%	30%	30%	30%	30%	30%	30%
1x110 kV Colmito - Torquemada	0%	0%	0%	0%	0%	0%	0%
1x110 kV Concón - Bosquemar	13%	13%	14%	7%	7%	7%	8%
1x110 kV Desalinizadora - Torquemada	40%	41%	41%	21%	21%	22%	22%
1x110 kV La Calera - El Cobre	42%	42%	44%	44%	45%	46%	48%
1x110 kV Las Vegas - Cristalerías	10%	10%	11%	11%	11%	11%	12%
1x110 kV Leyda - San Antonio	16%	17%	17%	18%	18%	19%	19%
1x110 kV San Pedro - Peñablanca	15%	15%	15%	21%	22%	22%	23%
1x110 kV San Pedro - Quillota	0%	0%	0%	0%	0%	0%	0%
1x110 kV San Pedro - Tap Pachacama	34%	35%	34%	42%	45%	47%	48%
1x110 kV San Pedro - Tap Quilpué	5%	5%	3%	15%	16%	16%	17%
1x110 kV San Rafael - Totoralillo	76%	78%	75%	98%	100%	101%	102%
1x110 kV Tap Achupallas - Tap Reñaca	0%	0%	0%	0%	0%	0%	0%
1x110 kV Tap Alto Melipilla - Bajo Melipilla	28%	28%	29%	30%	31%	32%	33%
1x110 kV Tap Alto Melipilla - Bollenar	23%	24%	24%	25%	25%	25%	25%
1x110 kV Tap Chagres - Chagres	16%	16%	17%	16%	17%	17%	18%

1x110 kV Tap Codelco Ventanas - Ventanas	66%	67%	69%	71%	73%	75%	77%
1x110 kV Tap La Palma - Tap Pachacama	17%	17%	17%	6%	6%	7%	7%
1x110 kV Tap Playa Ancha - Laguna Verde	21%	21%	22%	2%	2%	2%	2%
1x110 kV Tap Reñaca - Concón	51%	52%	53%	24%	25%	26%	26%
1x110 kV Tap Reñaca - Reñaca	51%	52%	53%	54%	56%	58%	59%
1x110 kV Tap San Rafael - Tap Los Maquis	61%	62%	61%	84%	85%	86%	87%
1x110 kV Totoralillo - Tap Los Maquis	44%	45%	43%	65%	66%	67%	68%
1x110 kV Ventanas - Desalinizadora	57%	58%	59%	39%	40%	41%	42%
1x110 kV Ventanas - GNL Quinteros	0%	0%	0%	0%	0%	0%	0%
1x220 kV Los Maquis - Cordillera	17%	17%	17%	17%	17%	17%	17%
1x220 kV Los Maquis - Hornitos	7%	8%	8%	8%	8%	7%	7%
1x220 kV Tap El Llano - Los Maquis	7%	7%	8%	5%	5%	4%	4%
1x220 kV Tap El Llano - SAG	9%	9%	9%	8%	8%	8%	8%
1x44 kV Catemu - Los Ángeles	28%	28%	29%	29%	30%	31%	32%
1x44 kV Chagres - Catemu	24%	25%	26%	26%	26%	27%	28%
1x44 kV El Melón - Túnel El Melón	2%	2%	2%	2%	2%	2%	2%
1x44 kV La Calera - El Melón	22%	23%	23%	23%	24%	25%	26%
1x44 kV Las Vegas - Tap Caleu	6%	6%	7%	3%	3%	3%	4%
1x44 kV Las Vegas - Tap Entel	7%	7%	7%	5%	5%	5%	5%
1x66 kV Algarrobo - Los Poetas	0%	0%	0%	0%	0%	21%	21%
1x66 kV La Calera - La Calera Centro	13%	13%	14%	14%	14%	14%	15%
1x66 kV La Calera Centro - Esperanza C1	1%	1%	1%	1%	1%	1%	1%
1x66 kV La Calera Centro - Esperanza C2	0%	0%	0%	0%	0%	0%	0%
1x66 kV Las Piñatas - Tap El Manzano	44%	45%	46%	44%	3%	4%	4%
1x66 kV Los Quilos - Aconcagua	14%	14%	14%	14%	14%	14%	14%
1x66 kV San Jerónimo - Las Piñatas	48%	48%	50%	48%	7%	7%	7%
1x66 kV Tap Algarrobo - San Jerónimo	52%	53%	55%	52%	12%	12%	13%
1x66 kV Tap El Manzano - El Totoral	11%	11%	11%	11%	11%	11%	12%
1x66 kV Tap El Manzano - Las Balandras	32%	33%	34%	32%	33%	34%	35%

2110 Kv Tap Chagres - Nueva Panquehue C1	27%	28%	29%	35%	35%	34%	34%
2110 Kv Tap Chagres - Nueva Panquehue C2	27%	27%	28%	35%	35%	34%	34%
2x110 kV A. Santa - Tap Placeres C1	50%	51%	52%	24%	25%	26%	26%
2x110 kV A. Santa - Tap Placeres C2	30%	31%	32%	7%	7%	7%	7%
2x110 kV Agua Santa - Miraflores C1	29%	29%	31%	42%	43%	44%	46%
2x110 kV Agua Santa - Miraflores C2	29%	29%	31%	42%	43%	44%	46%
2x110 kV Agua Santa - Tap Los Placeres C1	30%	31%	32%	7%	7%	7%	7%
2x110 kV Agua Santa - Tap Los Placeres C2	50%	51%	52%	25%	25%	26%	27%
2x110 kV Esperanza - Río Aconcagua C1	0%	0%	0%	63%	64%	65%	67%
2x110 kV Esperanza - Río Aconcagua C2	0%	0%	0%	63%	64%	65%	67%
2x110 kV Las Vegas - Esperanza C1	0%	0%	0%	41%	42%	43%	43%
2x110 kV Las Vegas - Esperanza C2	0%	0%	0%	41%	42%	43%	43%
2x110 kV Mayaca - Tap Off Mayaca C1	5%	5%	5%	5%	5%	5%	5%
2x110 kV Mayaca - Tap Off Mayaca C2	16%	16%	17%	17%	17%	18%	18%
2x110 kV Miraflores - Marga Marga C1	39%	39%	40%	41%	42%	44%	45%
2x110 kV Miraflores - Marga Marga C2	29%	30%	31%	31%	32%	33%	34%
2x110 kV Nueva Panquehue - Tap San Felipe C1	28%	28%	29%	36%	35%	35%	35%
2x110 kV Nueva Panquehue - Tap San Felipe C2	27%	27%	28%	35%	34%	34%	34%
2x110 kV Nueva Río Aconcagua - Chagres C1	37%	38%	40%	37%	37%	37%	38%
2x110 kV Nueva Río Aconcagua - Chagres C2	34%	34%	37%	34%	34%	34%	35%
2x110 kV Nueva San Rafael - Bypass San Rafael C1	0%	0%	36%	49%	50%	51%	52%
2x110 kV Nueva San Rafael - Bypass San Rafael C2	0%	0%	41%	54%	55%	55%	56%
2x110 kV Nueva San Rafael - Tap San Rafael C1	31%	31%	56%	58%	60%	62%	64%
2x110 kV Nueva San Rafael - Tap San Rafael C2	55%	56%	26%	27%	28%	29%	30%
2x110 kV Peñablanca - Tap Quilpué C1	7%	7%	7%	3%	3%	4%	4%
2x110 kV Peñablanca - Tap Quilpué C2	11%	11%	12%	6%	6%	6%	6%
2x110 kV San Pedro - Tap Codelco Ventanas C1	32%	33%	33%	9%	9%	9%	10%
2x110 kV San Pedro - Tap Codelco Ventanas C2	32%	33%	33%	9%	9%	9%	10%
2x110 kV San Pedro - Tap Mayaca C1	60%	61%	61%	15%	16%	17%	17%

2x110 kV San Pedro - Tap Mayaca C2	49%	50%	50%	27%	28%	30%	31%
2x110 kV Tap Achupallas - Miraflores C1	35%	35%	37%	25%	26%	27%	27%
2x110 kV Tap Achupallas - Miraflores C2	41%	42%	43%	37%	38%	39%	40%
2x110 kV Tap Codelco Ventanas - Ventanas C1	41%	42%	43%	19%	19%	19%	20%
2x110 kV Tap Codelco Ventanas - Ventanas C2	41%	42%	43%	19%	19%	19%	20%
2x110 kV Tap Los Maquis - Aconcagua C1	55%	56%	56%	56%	56%	56%	56%
2x110 kV Tap Los Maquis - Aconcagua C2	54%	55%	55%	55%	55%	55%	55%
2x110 kV Tap Los Maquis - Los Maquis C1	9%	10%	9%	28%	29%	31%	32%
2x110 kV Tap Los Maquis - Los Maquis C2	18%	18%	20%	9%	9%	10%	10%
2x110 kV Tap Pachacama - La Calera C1	51%	52%	53%	53%	55%	57%	58%
2x110 kV Tap Pachacama - La Calera C2	17%	17%	18%	18%	18%	19%	19%
2x110 kV Tap Pachacama - Las Vegas C1	6%	6%	6%	36%	37%	38%	40%
2x110 kV Tap Pachacama - Las Vegas C2	6%	6%	5%	27%	28%	29%	30%
2x110 kV Tap Placeres - Placeres C1	54%	55%	56%	57%	59%	60%	62%
2x110 kV Tap Placeres - Placeres C2	0%	0%	0%	0%	0%	0%	0%
2x110 kV Tap Placeres - Tap Valparaíso C1	31%	31%	32%	10%	10%	10%	10%
2x110 kV Tap Placeres - Tap Valparaíso C2	38%	39%	40%	9%	9%	9%	9%
2x110 kV Tap Playa Ancha - Playa Ancha C1	12%	13%	13%	13%	13%	14%	14%
2x110 kV Tap Playa Ancha - Playa Ancha C2	17%	17%	17%	18%	18%	19%	19%
2x110 kV Tap Quilpué - Quilpué C1	38%	39%	40%	40%	42%	43%	44%
2x110 kV Tap Quilpué - Quilpué C2	30%	31%	31%	31%	32%	33%	34%
2x110 kV Tap Quilpué - Tap Achupallas C1	35%	35%	37%	25%	26%	27%	27%
2x110 kV Tap Quilpué - Tap Achupallas C2	41%	42%	43%	37%	38%	39%	40%
2x110 kV Tap San Felipe - Nueva San Rafael C1	39%	40%	38%	58%	58%	58%	58%
2x110 kV Tap San Felipe - Nueva San Rafael C2	39%	40%	38%	58%	58%	58%	58%
2x110 kV Tap San Felipe - San Felipe C1	20%	20%	21%	21%	22%	23%	23%
2x110 kV Tap San Felipe - San Felipe C2	20%	20%	20%	21%	22%	23%	23%
2x110 kV Tap San Rafael - San Rafael C1	36%	36%	38%	39%	40%	41%	42%
2x110 kV Tap San Rafael - San Rafael C2	59%	60%	61%	64%	66%	68%	70%

2x110 kV Tap Valparaíso - Valparaíso C1	23%	23%	24%	24%	25%	26%	26%
2x110 kV Tap Valparaíso - Valparaíso C2	26%	26%	27%	27%	28%	29%	30%
2x110 kV Torquemada - Miraflores C1	13%	14%	14%	12%	12%	13%	13%
2x110 kV Torquemada - Miraflores C2	13%	14%	14%	12%	12%	13%	13%
2x110 kV Torquemada - ConCón C1	28%	28%	29%	29%	30%	31%	32%
2x110 kV Torquemada - ConCón C2	28%	28%	29%	29%	30%	31%	32%
2x110 kV Torquemada - Mauco C1	11%	11%	11%	12%	12%	12%	13%
2x110 kV Torquemada - Mauco C2	11%	11%	11%	12%	12%	12%	13%
2x110 kV Ventanas - Torquemada C1	44%	45%	0%	0%	0%	0%	0%
2x110 kV Ventanas - Torquemada C2	40%	41%	41%	21%	21%	22%	22%
2x110 kV Ventanas - Torquemada C2	0%	0%	46%	25%	26%	26%	27%
2x220 kV Nueva Ventanas - Nogales C1	12%	12%	12%	10%	9%	9%	9%
2x220 kV Nueva Ventanas - Nogales C2	12%	12%	12%	10%	9%	9%	9%
2x220 kV San Luis - Agua Santa C1	22%	23%	23%	14%	14%	15%	15%
2x220 kV San Luis - Agua Santa C1	22%	23%	23%	14%	14%	15%	15%
2x44 kV Chagres - Tap Panquehue C1	2%	2%	2%	8%	8%	8%	8%
2x44 kV Chagres - Tap Panquehue C2	24%	24%	25%	19%	19%	19%	20%
2x44 kV FFCC Los Andes - Riecillos C1	2%	2%	2%	2%	2%	2%	2%
2x44 kV FFCC Los Andes - Riecillos C2	2%	2%	2%	2%	2%	2%	2%
2x44 kV La Calera - Tap Pachacama C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV La Calera - Tap Pachacama C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Las Vegas - Tap Chagres C1	26%	26%	27%	17%	18%	18%	18%
2x44 kV Las Vegas - Tap Chagres C2	17%	18%	18%	31%	32%	32%	33%
2x44 kV Panquehue - Tap San Felipe C1	2%	2%	2%	7%	8%	8%	8%
2x44 kV Panquehue - Tap San Felipe C2	4%	4%	4%	3%	3%	3%	3%
2x44 kV Riecillos - Río Blanco C1	2%	2%	2%	2%	3%	3%	3%
2x44 kV Riecillos - Río Blanco C2	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C1	1%	1%	1%	1%	1%	1%	1%
2x44 kV Río Blanco - Juncal C2	1%	1%	1%	1%	1%	1%	1%

2x44 kV Tap Caleu - Rungue C1	6%	6%	6%	3%	3%	3%	3%
2x44 kV Tap Caleu - Rungue C2	6%	7%	7%	4%	4%	4%	4%
2x44 kV Tap Entel - Tap Rungue C1	6%	6%	6%	3%	3%	3%	3%
2x44 kV Tap Entel - Tap Rungue C2	7%	7%	7%	5%	5%	5%	5%
2x44 kV Tap Pachacama - Las Vegas C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap Pachacama - Las Vegas C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C1	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Felipe - San Felipe C2	0%	0%	0%	0%	0%	0%	0%
2x44 kV Tap San Rafael - FFCC Los Andes C1	2%	2%	2%	6%	6%	6%	7%
2x44 kV Tap San Rafael - FFCC Los Andes C2	3%	3%	3%	3%	3%	3%	3%
2x66 kV Aconcagua - Saladillo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Aconcagua - Saladillo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Algarrobo Norte - Litoral C1	37%	38%	39%	1%	2%	2%	2%
2x66 kV Algarrobo Norte - Litoral C2	33%	34%	35%	3%	3%	3%	3%
2x66 kV L. Verde - Quintay C1	37%	38%	39%	1%	1%	1%	2%
2x66 kV L. Verde - Quintay C2	39%	40%	41%	3%	3%	3%	3%
2x66 kV Saladillo - km 21 C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Saladillo - km 21 C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV San Sebastián - San Antonio C1	1%	1%	1%	1%	1%	1%	1%
2x66 kV San Sebastián - San Antonio C2	22%	22%	23%	24%	24%	25%	26%
2x66 kV Tap Algarrobo - Casablanca C1	31%	31%	32%	31%	32%	32%	33%
2x66 kV Tap Algarrobo - Casablanca C2	0%	1%	1%	1%	1%	1%	1%
2x66 kV Tap Algarrobo - Tap San Sebastián C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Algarrobo - Tap San Sebastián C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Algarrobo Norte C1	37%	38%	39%	1%	1%	2%	2%
2x66 kV Tap Quintay - Algarrobo Norte C2	37%	38%	39%	1%	1%	1%	1%
2x66 kV Tap Quintay - Quintay C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Tap Quintay - Quintay C2	2%	2%	2%	2%	2%	2%	2%
2x66 kV Tap San Sebastian - San Sebastian C1	30%	30%	31%	32%	33%	34%	35%

2x66 kV Tap San Sebastian - San Sebastian C2	0%	0%	0%	0%	0%	0%	0%
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1.4 ZONA REGIÓN METROPOLITANA

1.4.1 TRANSFORMADORES AT/MT

Tabla 1-28. Cargabilidad de transformadores AT/MT, zona Región Metropolitana.

TRANSFORMADOR	2020	2021	2022	2023	2024	2025	2026
A. DE CÓRDOVA 110/12.5 KV 20 MVA 4R	0%	0%	0%	0%	0%	0%	0%
A. DE CÓRDOVA 110/12.5 KV 50 MVA 1	51%	51%	53%	54%	56%	57%	59%
A. DE CÓRDOVA 110/12.5 KV 50 MVA 2	71%	72%	74%	76%	78%	80%	83%
A. DE CÓRDOVA 110/12.5 KV 50 MVA 3	69%	70%	72%	74%	76%	78%	80%
A. DE CÓRDOVA 110/12.5 KV 50 MVA NUEVO	43%	44%	45%	47%	48%	49%	51%
ALTAMIRANO 110/12 KV 25 MVA 3	0%	0%	0%	0%	0%	0%	0%
ALTAMIRANO 110/12.5 KV 50 MVA 1	51%	51%	53%	54%	56%	57%	59%
ALTAMIRANO 110/12.5 KV 50 MVA 2	66%	67%	68%	70%	72%	74%	76%
ALTAMIRANO 110/12.5 KV 50 MVA NUEVO	51%	51%	53%	54%	56%	57%	59%
ANDES 110/12.5 KV 22,4 MVA 4	0%	0%	0%	0%	0%	0%	0%
ANDES 110/12.5 KV 25 MVA 2	87%	89%	91%	93%	96%	99%	101%
ANDES 110/12.5 KV 50 MVA 1	45%	65%	78%	80%	82%	84%	87%
APOQUINDO 110/12.5 KV 22.4 MVA 4R	0%	0%	0%	0%	0%	0%	0%
APOQUINDO 110/12.5 KV 50 MVA 1	92%	93%	96%	70%	72%	74%	76%
APOQUINDO 110/12.5 KV 50 MVA 2	81%	83%	84%	70%	72%	74%	76%

APOQUINDO 110/12.5 KV 50 MVA 3	79%	80%	82%	70%	72%	74%	76%
APOQUINDO 110/12.5 KV 50 MVA NUEVO 2019	0%	0%	0%	70%	72%	74%	76%
BAJOS DE MENA 110/12 KV 50 MVA	0%	38%	39%	60%	62%	63%	65%
BATUCO 110/23. KV 50 MVA NUEVO 2019	0%	0%	0%	60%	62%	63%	65%
BATUCO 110/23.5 KV 37.5 MVA 1	57%	58%	59%	61%	62%	64%	66%
BATUCO 110/23.5 KV 50 MVA 2	87%	89%	91%	56%	58%	59%	61%
BATUCO 110/23.5 KV 50 MVA 3	61%	62%	63%	47%	48%	49%	51%
BICENTENARIO 110/12.5 KV 25 MVA 1	97%	99%	101%	104%	107%	110%	113%
BICENTENARIO 110/12.5 KV 25 MVA 2	48%	49%	51%	52%	53%	55%	56%
BICENTENARIO 110/12.5 KV 50 MVA NUEVO	0%	0%	0%	0%	0%	0%	0%
BRASIL 110/12.5 KV 50 MVA 1	64%	65%	66%	68%	70%	72%	74%
BRASIL 110/12.5 KV 50 MVA 2	52%	52%	54%	55%	57%	58%	60%
BRASIL 110/12.5 KV 50 MVA 3R	49%	50%	51%	53%	54%	56%	57%
BRASIL 110/12.5 KV 50 MVA NUEVO	0%	0%	0%	0%	0%	0%	0%
CALEU 44/12.5 KV 0.5 MVA 1	40%	40%	41%	42%	44%	45%	46%
CALEU 44/22 KV 1 MVA RESERVA 1A	0%	0%	0%	0%	0%	0%	0%
CARRASCAL 110/12.5 KV 22.4 MVA 1	82%	84%	86%	88%	91%	93%	96%
CARRASCAL 110/12.5 KV 22.4 MVA 2	82%	83%	85%	88%	90%	93%	95%
CARRASCAL 110/12.5 KV 22.4 MVA 3R	0%	0%	0%	0%	0%	0%	0%
CHACABUCO 110/12.5 KV 22.4 MVA 4R	0%	0%	0%	0%	0%	0%	0%
CHACABUCO 110/12.5 KV 50 MVA 1	57%	58%	59%	61%	62%	64%	66%
CHACABUCO 110/12.5 KV 50 MVA 1 NUEVO	25%	41%	41%	43%	44%	45%	46%
CHACABUCO 110/23.5 KV 37.5 MVA 2	68%	69%	70%	72%	74%	77%	79%
CHACABUCO 110/23.5 KV 50 MVA 3	54%	55%	57%	58%	60%	62%	63%
CHACABUCO 110/23.5 KV 50 MVA 7	13%	13%	13%	14%	14%	15%	15%
CHACABUCO 110/23.5 KV 50 MVA 8	58%	59%	60%	62%	64%	65%	67%
CHICUREO 220/23.5 KV 25 MVA NUEVO	49%	50%	51%	52%	54%	55%	57%
CHICUREO 220/23.5 KV 25 MVA TR1	49%	50%	51%	52%	54%	55%	57%
CLUB HIPICO 110/12.5 KV 22.4 MVA 1	73%	74%	76%	78%	80%	83%	85%

CLUB HIPICO 110/12.5 KV 25 MVA 6	0%	0%	0%	0%	0%	0%	0%
CLUB HIPICO 110/12.5 KV 50 MVA 3	74%	75%	91%	94%	96%	99%	102%
CLUB HIPICO 110/12.5 KV 50 MVA TR4	73%	74%	76%	78%	80%	82%	85%
COSTANERA 110/12.5 KV 25 MVA	86%	87%	89%	0%	0%	0%	0%
COSTANERA 110/12.5 KV 50 MVA NUEVO	0%	0%	0%	65%	67%	69%	71%
CURACAVÍ 110/12 KV - 25 MVA NUEVO 2019	0%	0%	0%	62%	64%	66%	67%
CURACAVÍ 44/12 KV 10 MVA 2	76%	77%	79%	0%	0%	0%	0%
CURACAVÍ 44/12.15 KV 10 MVA 3	66%	67%	68%	0%	0%	0%	0%
CURACAVÍ 44/12.15 KV 4 MVA 1	0%	0%	0%	0%	0%	0%	0%
EL MANZANO 230/25 KV 20 MVA 1	56%	57%	58%	60%	61%	63%	65%
EL MANZANO 230/25 KV 20 MVA 2 (CLIENTE FIJO)	40%	41%	42%	43%	45%	46%	47%
EL MANZANO 230/25 KV 20 MVA 3R	0%	0%	0%	0%	0%	0%	0%
EL MANZANO 230/25 KV 20 MVA 4 (CLIENTE FIJO)	30%	31%	32%	32%	33%	34%	35%
LA CISTERNA 110/12 KV 50 MVA NUEVO	0%	0%	0%	0%	0%	0%	0%
LA CISTERNA 110/12.5 KV 50 MVA 3	72%	73%	75%	77%	79%	81%	84%
LA CISTERNA 110/13.2 KV 25 MVA 1	83%	84%	86%	88%	91%	94%	96%
LA CISTERNA 110/13.2 KV 35 MVA 2	81%	83%	84%	87%	89%	92%	94%
LA DEHESA 110/12 KV 50 MVA NUEVO	0%	0%	0%	0%	0%	0%	0%
LA DEHESA 110/12.5 KV 50 MVA 2	28%	29%	29%	30%	31%	32%	33%
LA DEHESA 110/13.2 KV 25 MVA 1	77%	78%	80%	82%	85%	87%	89%
LA DEHESA 110/23 KV 20 MVA 4R	0%	0%	0%	0%	0%	0%	0%
LA DEHESA 110/23.5 KV 50 MVA 3	29%	30%	31%	31%	32%	33%	34%
LA PINTANA 110 KV/12.5 KV 25 MVA 4	69%	69%	69%	69%	69%	69%	69%
LA PINTANA 110/12.5 KV 20 MVA 3R	0%	0%	0%	0%	0%	0%	0%
LA PINTANA 110/12.5 KV 25 MVA 1	77%	78%	80%	82%	85%	87%	89%
LA PINTANA 110/12.5 KV 25 MVA 2	53%	54%	55%	56%	58%	59%	61%
LA REINA 110/12.5 KV 20 MVA 1	0%	0%	0%	0%	0%	0%	0%
LA REINA 110/12.5 KV 50 MVA 2	86%	87%	99%	84%	76%	79%	81%
LA REINA 110/12.5 KV 50 MVA 3	88%	90%	92%	73%	75%	77%	80%

LA REINA 110/12.5 KV 50 MVA 4	98%	100%	102%	84%	86%	89%	91%
LA REINA 110/12.5 KV 50 MVA NUEVO 2019 REEMPLAZO	0%	0%	0%	90%	92%	94%	96%
LAS ACACIAS 110/23.5 KV 37.5 MVA 1	89%	91%	93%	96%	98%	101%	104%
LAS ACACIAS 110/23.5 KV 37.5 MVA 2	47%	48%	49%	51%	52%	54%	55%
LAS ACACIAS 110/23.5 KV/12.5 KV 50 MVA 3	31%	31%	32%	33%	34%	35%	36%
LO AGUIRRE 110/12.5 KV 10.5 MVA 1	87%	88%	90%	0%	0%	0%	0%
LO AGUIRRE 110/12.5 KV 10.5 MVA 2R	0%	0%	0%	0%	0%	0%	0%
LO AGUIRRE 110/23 KV 50 MVA NUEVO 2019	0%	0%	0%	20%	21%	21%	22%
LO BOZA 110/12.5 KV 12.5 MVA 5R	0%	0%	0%	0%	0%	0%	0%
LO BOZA 110/12.5 KV 22.4 MVA 5R	0%	0%	0%	0%	0%	0%	0%
LO BOZA 110/12.5 KV 25 MVA 1	86%	88%	90%	93%	95%	98%	101%
LO BOZA 110/12.5 KV 25 MVA 2	56%	57%	58%	60%	62%	63%	65%
LO BOZA 110/12.5 KV 50 MVA 4	99%	100%	103%	106%	109%	112%	115%
LO BOZA 110/23.5 KV 50 MVA 3	74%	76%	78%	80%	82%	84%	87%
LO BOZA 110/23.5 KV 50 MVA 6	0%	39%	40%	78%	81%	83%	85%
LO PRADO 110/46 KV 28 MVA 1	52%	53%	54%	56%	57%	59%	61%
LO PRADO 44/12.15 KV 3.5 MVA 2	13%	13%	14%	14%	14%	15%	15%
LO VALLEDOR 110/12.5 KV 25 MVA 2	0%	0%	0%	0%	0%	0%	0%
LO VALLEDOR 110/12.5 KV 50 MVA 3	82%	83%	85%	88%	90%	93%	95%
LO VALLEDOR 110/12.5 KV 50 MVA 4	27%	28%	29%	45%	46%	47%	48%
LO VALLEDOR 110/13.2 KV 25 MVA 1	75%	76%	78%	80%	82%	85%	87%
LORD COCHRANE 110/12.5 KV 44.7 MVA 1	60%	61%	62%	64%	66%	68%	70%
LORD COCHRANE 110/12.5 KV 44.7 MVA 2	74%	76%	77%	80%	82%	84%	87%
LORD COCHRANE 110/12.5 KV 50 MVA 3R	0%	0%	0%	0%	0%	0%	0%
LOS DOMINICOS 110/12 KV 50 MVA NUEVO	14%	14%	15%	15%	16%	16%	16%
LOS DOMÍNICOS 110/12.5 KV 22.4 MVA 1R	0%	0%	0%	0%	0%	0%	0%
LOS DOMÍNICOS 110/12.5 KV 25 MVA 2R	28%	29%	29%	30%	31%	32%	33%
LOS DOMÍNICOS 110/12.5 KV 50 MVA 3	85%	86%	88%	91%	93%	96%	99%
MACUL 110/ 20,4 KV 50 MVA METRO	40%	40%	40%	40%	40%	40%	40%

MACUL 110/12.5 KV 20 MVA 1R	0%	0%	0%	0%	0%	0%	0%
MACUL 110/12.5 KV 50 MVA 3	81%	82%	84%	87%	89%	92%	94%
MACUL 110/12.5 KV 50 MVA 4	87%	89%	91%	93%	96%	98%	101%
MACUL 110/12.5 KV 50 MVA NUEVO (REEMPLAZO DE 20 MVA)	0%	37%	71%	88%	90%	93%	95%
MAIPÚ 110/12.5 KV 22.4 MVA 2	69%	70%	72%	74%	76%	78%	80%
MAIPÚ 110/12.5 KV 22.4 MVA 3	76%	77%	79%	81%	83%	86%	88%
MAIPÚ 110/13.2 KV 25 MVA 1	61%	62%	64%	66%	67%	69%	71%
MALLOCO 110/12.5 KV 22.4 MVA	0%	0%	0%	0%	0%	0%	0%
MALLOCO 110/12.5 KV 22.4 MVA 2	79%	80%	82%	84%	87%	89%	91%
MALLOCO 110/12.5 KV 50 MVA	52%	53%	54%	55%	57%	58%	60%
MALLOCO 110/23.5 KV 37.5 MVA 3	74%	75%	77%	79%	81%	84%	86%
MALLOCO 110/23.5 KV 50 MVA 4	0%	0%	0%	0%	0%	0%	0%
MARISCAL 110/12 KV 30 MVA T1	101%	103%	105%	108%	111%	114%	118%
MARISCAL 110/23 KV 30 MVA T2	24%	24%	25%	25%	26%	27%	27%
MARISCAL 110/23 KV 30 MVA T3	0%	0%	0%	0%	0%	0%	0%
NUEVA LAMPA 110/23 KV 50 MVA	0%	0%	0%	32%	33%	34%	35%
OCHAGAVÍA 105/12 KV 40 MVA 1R	0%	0%	0%	0%	0%	0%	0%
OCHAGAVÍA 110/12.5 KV 50 MVA 2	84%	85%	87%	90%	92%	95%	98%
PADRE HURTADO 110/23-13.2 30 MVA	57%	58%	60%	61%	63%	65%	67%
PAJARITOS 110/12.5 KV 22.4 MVA 4R	0%	0%	0%	0%	0%	0%	0%
PAJARITOS 110/12.5 KV 50 MVA 1	95%	97%	99%	102%	105%	108%	111%
PAJARITOS 110/12.5 KV 50 MVA 2	89%	91%	93%	95%	98%	101%	104%
PAJARITOS 110/23.5 KV 50 MVA 3	38%	39%	40%	60%	62%	64%	65%
PANAMERICA 110/12 KV - 50 MVA NUEVO	22%	30%	30%	50%	51%	53%	54%
PANAMERICANA 110/12.5 KV 22.4 MVA 4R	0%	0%	0%	0%	0%	0%	0%
PANAMERICANA 110/12.5 KV 25 MVA 2	62%	63%	64%	66%	68%	70%	72%
PANAMERICANA 110/13.2 KV 25 MVA 1	69%	70%	72%	74%	76%	78%	80%
PIRQUE 110/13.2 KV 5 MVA	76%	77%	79%	81%	83%	86%	88%
PIRQUE 110/13.2 KV 5.25 MVA	57%	58%	59%	61%	63%	64%	66%

POLPAICO 110/23 KV 20 MVA 1	45%	45%	47%	48%	49%	51%	52%
PUDAHUEL 110/12 KV 50 MVA NUEVO	17%	17%	58%	58%	59%	59%	60%
PUDAHUEL 110/12.5 KV 20 MVA 3R	0%	0%	0%	0%	0%	0%	0%
PUDAHUEL 110/12.5 KV 22.4 MVA 1	68%	69%	71%	72%	75%	77%	79%
PUDAHUEL 110/12.5 KV 22.4 MVA 2	72%	74%	75%	77%	79%	82%	84%
PUENTE ALTO 110/12 KV 50 MVA NUEVO	0%	64%	65%	84%	86%	89%	91%
PUENTE ALTO 110/12.5 KV 10/25 MVA 2	73%	0%	0%	0%	0%	0%	0%
PUENTE ALTO 110/12.5 KV 25 MVA 1	63%	68%	69%	71%	73%	75%	78%
QUILICURA 110/12 KV 50 MVA NUEVO REEMPLAZO 22,4 MVA	59%	60%	79%	81%	83%	84%	86%
QUILICURA 110/12.5 KV 22.4 MVA 4	0%	0%	0%	0%	0%	0%	0%
QUILICURA 110/12.5 KV 25 MVA 2	71%	72%	74%	76%	78%	80%	82%
QUILICURA 110/13.2 KV 25 MVA 3	69%	70%	72%	74%	76%	78%	80%
QUILICURA 110/23.5 KV 50 MVA 1	38%	39%	40%	41%	42%	43%	44%
RECOLETA 110/12.5 KV 22.4 MVA 2R	0%	0%	0%	0%	0%	0%	0%
RECOLETA 110/12.5 KV 50 MVA 3	72%	74%	114%	116%	118%	120%	122%
RECOLETA 110/12.5 KV 50 MVA 4	81%	82%	84%	87%	89%	92%	94%
RECOLETA 110/13.2 KV 25 MVA 1	44%	185%	186%	187%	189%	190%	191%
RUNGUE 44/23 KV 3.5 MVA 1	49%	50%	51%	53%	54%	56%	57%
SAN BERNARDO 110/12 KV 50 MVA NUEVO	35%	36%	37%	38%	39%	40%	41%
SAN BERNARDO 110/12.5 KV 22.4 MVA 1	77%	78%	80%	82%	84%	87%	89%
SAN BERNARDO 110/12.5 KV 22.4 MVA 2	77%	78%	80%	82%	84%	87%	89%
SAN BERNARDO 110/12.5 KV 22.4 MVA 4R	0%	0%	0%	0%	0%	0%	0%
SAN BERNARDO 110/12.5 KV 50 MVA 3	80%	81%	83%	86%	88%	90%	93%
SAN CRISTOBAL 105/12 KV 13.3 MVA RF	0%	0%	0%	0%	0%	0%	0%
SAN CRISTÓBAL 105/12 KV 40 MVA 1	0%	0%	0%	0%	0%	0%	0%
SAN CRISTÓBAL 105/12 KV 40 MVA 2	58%	59%	61%	62%	64%	66%	68%
SAN CRISTÓBAL 110/12.5 KV 50 MVA 4R	59%	60%	61%	63%	65%	66%	68%
SAN CRISTÓBAL 110/12.5 KV 50 MVA 5	89%	91%	93%	95%	98%	101%	104%
SAN CRISTOBAL 110/13.9 KV 50 MVA 3	77%	78%	80%	82%	85%	87%	89%

SAN JOAQUÍN 110/12 KV 50 MVA NUEVO	42%	43%	44%	45%	47%	48%	49%
SAN JOAQUÍN 110/12.5 KV 22.4 MVA 4	0%	0%	0%	0%	0%	0%	0%
SAN JOAQUÍN 110/12.5 KV 25 MVA 2	69%	70%	72%	74%	76%	78%	80%
SAN JOAQUÍN 110/12.5 KV 50 MVA 1	70%	71%	73%	75%	77%	79%	81%
SAN JOAQUÍN 110/12.5 KV 50 MVA 3	75%	76%	78%	80%	82%	85%	87%
SAN JOSÉ 110/12 KV 50 MVA NUEVO	41%	42%	43%	44%	45%	46%	48%
SAN JOSÉ 110/12.5 KV 22.4 MVA 1	0%	0%	0%	0%	0%	0%	0%
SAN JOSÉ 110/12.5 KV 50 MVA 4	95%	97%	99%	102%	105%	108%	111%
SAN JOSÉ 110/13.2 KV 25 MVA 2	97%	99%	101%	104%	107%	110%	113%
SAN PABLO 110/23.5 KV 37.5 MVA 1	75%	77%	79%	81%	83%	85%	88%
SAN PABLO 110/23.5 KV 37.5 MVA 2	75%	77%	79%	81%	83%	85%	88%
SAN PABLO 110/23.5 KV 50 MVA NUEVO	20%	43%	77%	83%	84%	84%	85%
SANTA ELENA 110/12.5 KV 22.4 MVA 1	0%	0%	0%	0%	0%	0%	0%
SANTA ELENA 110/12.5 KV 50 MVA 2	60%	61%	63%	64%	66%	68%	70%
SANTA ELENA 110/12.5 KV 50 MVA 3	75%	76%	78%	80%	82%	85%	87%
SANTA ELENA 110/12.5 KV 50 MVA 4	85%	86%	88%	91%	93%	96%	99%
SANTA ELENA 110/13.2 KV 25 MVA 3	0%	0%	0%	0%	0%	0%	0%
SANTA MARTA 110/12.5 KV 50 MVA 1	77%	79%	80%	83%	85%	87%	90%
SANTA MARTA 110/12.5 KV 50 MVA 2	67%	68%	70%	72%	74%	76%	78%
SANTA MARTA 110/23 KV 20 MVA 3	0%	0%	0%	0%	0%	0%	0%
SANTA MARTA 110/23 KV 50 MVA 3 NUEVO(2019)	0%	0%	0%	30%	30%	30%	30%
SANTA MARTA 110/23.5 KV 37.5 MVA 4	35%	68%	68%	70%	71%	72%	73%
SANTA RAQUEL 110/12,5 KV 12/16/20/22,4 MVA 6	39%	40%	41%	42%	43%	45%	46%
SANTA RAQUEL 110/12.5 KV 22.4 MVA 4	64%	66%	67%	105%	107%	109%	111%
SANTA RAQUEL 110/12.5 KV 25 MVA 2	89%	91%	93%	95%	98%	101%	104%
SANTA RAQUEL 110/12.5 KV 50 MVA 1	97%	99%	101%	104%	107%	110%	113%
SANTA RAQUEL 110/12.5 KV 50 MVA 5 METRO	17%	17%	18%	18%	19%	19%	20%
SANTA ROSA SUR 110/12 KV 50 MVA 6 - NUEVO	59%	60%	61%	63%	65%	67%	68%
SANTA ROSA SUR 110/12.5 KV 22.4 MVA 4	0%	0%	0%	0%	0%	0%	0%

SANTA ROSA SUR 110/12.5 KV 25 MVA 1	81%	82%	84%	87%	89%	92%	94%
SANTA ROSA SUR 110/12.5 KV 25 MVA 2	77%	78%	80%	82%	85%	87%	89%
SANTA ROSA SUR 110/13.2 KV 25 MVA 3	73%	74%	76%	78%	80%	82%	85%
VITACURA 110/12.5 KV 50 MVA 1	84%	85%	87%	90%	92%	95%	98%
VITACURA 110/12.5 KV 50 MVA 2	86%	87%	89%	92%	95%	97%	100%
VITACURA 110/12.5 KV 50 MVA 3	87%	89%	91%	93%	96%	99%	101%
VITACURA 110/12.5 KV 50 MVA 4	85%	86%	88%	91%	93%	96%	99%

1.4.2 TRANSFORMADORES AT/AT

Tabla 1-29. Cargabilidad de transformadores AT/AT en escenario Verano Día, zona Región Metropolitana.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 220/115/13,2 kV 390 MVA	64%	65%	73%	85%	73%	75%	78%
Baja Cordillera 220/110/13,2 kV 400 MVA	0%	0%	0%	0%	65%	66%	69%
Buin 220/110/13,8 kV 400 MVA	67%	67%	71%	76%	74%	76%	78%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyosung)	65%	66%	71%	75%	76%	84%	90%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyundai)	70%	71%	76%	81%	81%	84%	90%
Cerro Navia 220/110/13,2 kV 400 MVA 3	65%	66%	71%	75%	76%	84%	90%
Chena 220/110/13,8 kV 400 MVA T1	68%	69%	73%	80%	77%	78%	80%
Chena 220/110/13,8 kV 400 MVA T2	68%	69%	73%	80%	77%	78%	80%
El Salto 220/110/34,5 kV 400 MVA T1	61%	61%	65%	66%	67%	67%	69%
El Salto 220/110/34,5 kV 400 MVA T2	61%	61%	65%	66%	67%	67%	69%
Los Almendros 220/110kV 400 MVA	92%	94%	99%	106%	92%	97%	99%

Tabla 1-30. Cargabilidad de transformadores AT/AT en escenario Verano Noche, zona Región Metropolitana.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 220/115/13,2 kV 390 MVA	62%	63%	71%	83%	71%	73%	76%
Baja Cordillera 220/110/13,2 kV 400 MVA	0%	0%	0%	0%	64%	65%	67%

Buin 220/110/13,8 kV 400 MVA	65%	66%	69%	74%	72%	74%	76%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyosung)	63%	64%	69%	73%	74%	82%	88%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyundai)	68%	69%	74%	78%	79%	82%	87%
Cerro Navia 220/110/13,2 kV 400 MVA 3	63%	64%	69%	73%	74%	82%	88%
Chena 220/110/13,8 kV 400 MVA T1	66%	67%	72%	78%	75%	76%	78%
Chena 220/110/13,8 kV 400 MVA T2	66%	67%	72%	78%	75%	76%	78%
El Salto 220/110/34,5 kV 400 MVA T1	59%	60%	63%	65%	65%	66%	67%
El Salto 220/110/34,5 kV 400 MVA T2	59%	60%	63%	65%	65%	66%	67%
Los Almendros 220/110kV 400 MVA	90%	91%	97%	103%	89%	94%	96%

Tabla 1-31. Cargabilidad de transformadores AT/AT en escenario Invierno Día, zona Región Metropolitana.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 220/115/13,2 kV 390 MVA	93%	96%	105%	108%	95%	98%	101%
Baja Cordillera 220/110/13,2 kV 400 MVA	0%	0%	0%	0%	72%	74%	77%
Buin 220/110/13,8 kV 400 MVA	69%	71%	74%	78%	75%	78%	80%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyosung)	63%	65%	70%	72%	72%	74%	77%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyundai)	68%	70%	75%	76%	77%	79%	82%
Cerro Navia 220/110/13,2 kV 400 MVA 3	63%	65%	70%	72%	72%	74%	77%
Chena 220/110/13,8 kV 400 MVA T1	72%	73%	77%	80%	77%	80%	82%
Chena 220/110/13,8 kV 400 MVA T2	72%	73%	77%	80%	77%	80%	82%
El Salto 220/110/34,5 kV 400 MVA T1	39%	40%	43%	45%	45%	47%	49%
El Salto 220/110/34,5 kV 400 MVA T2	39%	40%	43%	45%	45%	47%	49%
Los Almendros 220/110kV 400 MVA	90%	92%	96%	100%	80%	82%	84%

Tabla 1-32. Cargabilidad de transformadores AT/AT en escenario Invierno Noche, zona Región Metropolitana.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 220/115/13,2 kV 390 MVA	96%	98%	108%	111%	98%	101%	103%
Baja Cordillera 220/110/13,2 kV 400 MVA	0%	0%	0%	0%	74%	76%	79%
Buin 220/110/13,8 kV 400 MVA	71%	73%	77%	80%	77%	80%	83%
Cerro Navia 220/110/13,2 kV 400 MVA (Hyosung)	65%	67%	72%	74%	74%	76%	79%

Cerro Navia 220/110/13,2 kV 400 MVA (Hyundai)	70%	71%	77%	78%	79%	82%	84%
Cerro Navia 220/110/13,2 kV 400 MVA 3	65%	67%	72%	74%	74%	76%	79%
Chena 220/110/13,8 kV 400 MVA T1	74%	75%	79%	82%	79%	82%	85%
Chena 220/110/13,8 kV 400 MVA T2	74%	75%	79%	82%	79%	82%	85%
El Salto 220/110/34,5 kV 400 MVA T1	40%	41%	44%	47%	47%	49%	51%
El Salto 220/110/34,5 kV 400 MVA T2	40%	41%	44%	47%	47%	49%	51%
Los Almendros 220/110kV 400 MVA	92%	94%	99%	103%	82%	84%	87%

1.4.3 LÍNEAS DE TRANSMISIÓN

Tabla 1-33. Cargabilidad de líneas de transmisión en escenario Verano Día, zona Región Metropolitana.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Alfalfal - Maitenes	51,4%	52,1%	53,0%	58,6%	43,3%	43,4%	44,2%
1x110 kV Cerro Navia - Tap San Pablo	22,5%	22,8%	22,9%	23,4%	24,0%	24,2%	24,8%
1x110 kV Las Vegas - Santiago Solar	21,5%	21,9%	20,8%	12,6%	12,2%	11,5%	10,8%
1x110 kV Lo Aguirre - Lo Prado	19,6%	19,8%	20,6%	20,9%	21,6%	21,9%	22,6%
1x110 kV Lord Cochrane - Ochagavía	21,8%	22,1%	22,8%	23,4%	24,1%	24,7%	25,5%
1x110 kV Los Colorados - Tap Punta Peuco	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
1x110 kV Puente Alto - Costanera	29,0%	29,4%	16,2%	30,9%	31,7%	32,5%	33,6%
1x110 kV Quilicura - Tap Chacabuco	27,0%	27,4%	32,1%	35,0%	35,2%	37,6%	40,5%
1x110 kV Renca - Metro	16,3%	16,5%	17,0%	17,4%	17,9%	18,2%	18,7%
1x110 kV San Pablo - Lo Aguirre	31,3%	31,7%	32,9%	33,5%	34,6%	35,2%	36,2%
1x110 kV Tap La Laja - Tap Las Vizcachas	20,1%	20,4%	21,6%	22,2%	18,4%	18,3%	18,5%
1x110 kV Tap Lo Boza - Tap Quilicura	44,0%	44,6%	50,5%	53,9%	54,6%	57,2%	60,7%
1x110 kV Tap Punta Peuco - Las Vegas	20,3%	20,6%	22,6%	37,5%	38,5%	39,1%	40,6%
1x110 kV Tap Punta Peuco - Santiago Solar	40,1%	40,7%	41,8%	49,7%	50,2%	50,5%	51,3%
1x110 kV Tap Quilicura - Tap Chacabuco	27,7%	28,1%	29,6%	32,4%	32,5%	34,7%	37,5%
1x110 kV Tap San Pablo - San Pablo	17,1%	17,4%	17,9%	18,4%	18,9%	19,2%	19,8%
1x110 kV Vizcachas - Puente Alto	10,6%	10,7%	2,5%	11,4%	11,8%	12,2%	12,7%
1x110 kV Vizcachas - Tap La Laja	26,7%	27,0%	26,2%	29,3%	24,1%	24,1%	24,5%
1x220 kV Alfalfal - Tap Disputada Condes	37,8%	38,4%	38,2%	36,9%	43,0%	43,5%	43,7%
1x220 kV Alfalfal - Tap La Ermita	38,0%	38,5%	38,4%	37,0%	43,2%	43,7%	43,9%
1x220 kV Alto Jahuel - Buin	60,7%	61,6%	64,9%	69,5%	67,4%	69,0%	71,2%
1x220 kV Cerro Navia - Neptuno	14,3%	14,5%	14,6%	15,8%	15,2%	14,4%	14,8%
1x220 kV E95 - Neptuno	15,2%	15,4%	15,8%	16,7%	15,9%	15,6%	16,2%
1x220 kV E95B - Neptuno	13,9%	14,1%	14,2%	15,4%	14,8%	14,0%	14,4%

1x220 kV Neptuno - Chena	15,7%	16,0%	16,4%	17,2%	16,5%	16,1%	16,7%
1x220 kV Tap La Ermita - Los Almendros	37,5%	38,0%	37,8%	36,4%	42,5%	43,0%	43,2%
1x220 kV Tap Lampa - Lampa	17,0%	17,3%	17,8%	18,2%	18,7%	19,2%	19,8%
1x23 kV La Laja - Guayacán	14,8%	15,0%	15,0%	15,1%	15,1%	15,1%	15,1%
1x44 kV Punta Peuco - Principal Planta	65,2%	66,1%	68,2%	69,6%	71,7%	73,2%	75,4%
2x110 kV A. Córdova - Tap Apoquindo C1	25,2%	25,6%	26,6%	25,7%	30,0%	32,6%	32,7%
2x110 kV A. Córdova - Tap Apoquindo C2	18,1%	18,4%	19,2%	18,0%	22,3%	19,0%	18,6%
2x110 kV Alto Jahuel - Tap Buin C1	48,4%	49,1%	59,1%	72,2%	64,3%	65,8%	68,1%
2x110 kV Alto Jahuel - Tap Buin C1	38,1%	38,6%	40,0%	44,4%	35,2%	36,2%	37,8%
2x110 kV Alto Maipo - Maitenes C1	18,4%	18,7%	19,0%	20,8%	15,9%	15,9%	16,2%
2x110 kV Alto Maipo - Maitenes C2	18,4%	18,7%	19,0%	20,8%	15,9%	15,9%	16,2%
2x110 kV Andes - Tap La Reina C1	12,2%	12,4%	16,7%	30,2%	21,3%	25,5%	25,3%
2x110 kV Andes - Tap La Reina C2	29,9%	30,3%	26,9%	35,1%	17,5%	22,7%	22,4%
2x110 kV Apoquindo - Tap Los Domínicos C1	34,4%	34,9%	36,4%	36,3%	39,8%	38,2%	38,9%
2x110 kV Apoquindo - Tap Los Domínicos C2	25,9%	26,2%	27,4%	27,0%	30,1%	32,0%	32,5%
2x110 kV Bajo Cordillera - Tap La Laja C1	0,0%	0,0%	0,0%	0,0%	19,0%	19,2%	19,4%
2x110 kV Bajo Cordillera - Tap La Laja C2	0,0%	0,0%	0,0%	0,0%	10,7%	10,9%	10,8%
2x110 kV Buin - Tap Buin C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap Buin C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap La Pintana C1	48,4%	49,1%	48,6%	49,0%	39,8%	40,9%	42,8%
2x110 kV Buin - Tap La Pintana C2	38,1%	38,7%	40,1%	44,4%	35,2%	36,2%	37,8%
2x110 kV C. Navia - Tap Lo Boza C1	46,7%	47,3%	52,2%	58,0%	59,1%	61,5%	64,6%
2x110 kV C. Navia - Tap Lo Boza C2	56,3%	57,1%	62,0%	68,1%	69,6%	72,2%	75,7%
2x110 kV C. Navia - Tap Los Libertadores C1	12,9%	13,1%	12,6%	6,9%	7,0%	9,2%	10,4%
2x110 kV C. Navia - Tap Los Libertadores C2	12,3%	12,5%	12,0%	7,9%	8,0%	10,3%	11,6%
2x110 kV C. Navia - Tap Pudahuel C1	10,9%	11,1%	16,5%	20,8%	19,2%	23,0%	26,4%
2x110 kV C. Navia - Tap Pudahuel C2	14,3%	14,5%	13,9%	17,6%	15,9%	20,2%	23,8%
2x110 kV Cerro Navia - Tap Altamirano C1	30,6%	31,1%	32,2%	33,0%	34,0%	34,6%	35,6%
2x110 kV Cerro Navia - Tap Altamirano C2	30,5%	31,0%	32,1%	32,9%	33,9%	34,5%	35,5%

2x110 kV Chena - Lo Espejo C1	47,5%	48,2%	51,2%	58,0%	50,6%	53,4%	56,2%
2x110 kV Chena - Lo Espejo C2	33,0%	33,5%	36,0%	39,5%	31,6%	33,7%	35,8%
2x110 kV Chena - Tap Sta Marta C1	41,8%	42,4%	45,1%	50,4%	54,2%	52,4%	52,8%
2x110 kV Chena - Tap Sta Marta C2	49,6%	50,3%	53,3%	53,8%	57,7%	55,8%	56,2%
2x110 kV El Salto - San Cristobal C1	42,3%	42,9%	45,5%	45,2%	47,2%	46,5%	46,7%
2x110 kV El Salto - San Cristobal C2	42,0%	42,6%	46,3%	46,0%	48,1%	47,5%	47,8%
2x110 kV El Salto - Tap La Dehesa C1	32,9%	33,3%	34,0%	36,1%	34,6%	32,7%	34,6%
2x110 kV El Salto - Tap La Dehesa C2	23,7%	24,0%	24,3%	26,1%	24,4%	28,8%	30,5%
2x110 kV FFCC - Tap Cisterna C1	40,6%	41,2%	45,7%	51,5%	39,0%	40,9%	43,0%
2x110 kV FFCC - Tap Cisterna C2	46,4%	47,1%	51,8%	58,4%	46,1%	48,2%	50,6%
2x110 kV Florida - Tap La Reina C1	20,8%	21,1%	26,2%	24,2%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap La Reina C2	37,7%	38,2%	39,0%	32,6%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C1	20,1%	20,4%	21,6%	22,2%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C2	62,9%	63,8%	92,9%	69,8%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Sta Raquel 110 kV C1	12,1%	12,3%	11,3%	15,5%	35,0%	36,4%	37,3%
2x110 kV Florida - Tap Sta Raquel 110 kV C2	30,0%	30,4%	30,9%	30,2%	11,3%	12,9%	14,7%
2x110 kV L. Cochrane - Metro C2	10,9%	11,1%	11,4%	11,7%	12,1%	12,4%	12,8%
2x110 kV Las Acacias - San Bernardo C1	52,3%	53,0%	57,8%	64,1%	59,1%	59,7%	61,4%
2x110 kV Las Acacias - San Bernardo C2	60,5%	61,4%	66,4%	72,6%	67,9%	68,8%	70,9%
2x110 kV Lo Espejo - Panamericana C1	11,7%	11,8%	12,2%	17,2%	17,8%	18,2%	18,9%
2x110 kV Lo Espejo - Panamericana C2	9,3%	9,4%	9,8%	10,0%	10,3%	10,6%	11,0%
2x110 kV Lo Espejo - Tap Las Acacias C1	23,0%	23,4%	26,8%	32,5%	26,6%	26,9%	27,8%
2x110 kV Lo Espejo - Tap Las Acacias C2	49,7%	50,4%	55,1%	61,0%	55,9%	56,6%	58,2%
2x110 kV Los Almendros - T82 C1	15,4%	15,7%	18,6%	26,0%	8,5%	13,1%	13,2%
2x110 kV Los Almendros - T82 C2	31,6%	32,1%	34,4%	39,1%	19,3%	23,9%	24,6%
2x110 kV Metro - Lord Cochrane C1	43,9%	44,5%	46,0%	47,3%	48,6%	49,8%	51,5%
2x110 kV Metro - Lord Cochrane C2	17,2%	17,5%	18,1%	18,5%	19,1%	19,4%	19,9%
2x110 kV Ochagavía - Lo Espejo C1	40,6%	41,2%	45,7%	51,5%	39,0%	40,9%	43,0%
2x110 kV Ochagavía - Lo Espejo C2	46,4%	47,1%	51,8%	58,4%	46,1%	48,2%	50,6%

2x110 kV Ochagavía - Tap Club Hípico C1	22,1%	22,4%	26,2%	30,9%	19,7%	21,4%	22,5%
2x110 kV Ochagavía - Tap Club Hípico C2	37,1%	37,6%	41,4%	46,2%	34,5%	36,5%	38,3%
2x110 kV Renca - Tap Carrascal C1	18,9%	19,2%	19,9%	20,4%	21,0%	21,3%	22,0%
2x110 kV Renca - Tap Carrascal C2	14,4%	14,6%	15,1%	15,5%	16,0%	16,3%	16,8%
2x110 kV San Bernardo - Buin C1	43,1%	43,7%	46,4%	49,4%	48,3%	49,1%	50,7%
2x110 kV San Bernardo - Buin C2	34,5%	35,0%	37,3%	39,9%	38,5%	39,1%	40,4%
2x110 kV San Bernardo - Malloco C1	105,0%	106,4%	110,0%	112,9%	116,6%	119,8%	124,2%
2X110 kV San Joaquín - Tap San Joaquín C1	42,3%	42,9%	44,4%	45,7%	46,9%	48,2%	50,0%
2X110 kV San Joaquín - Tap San Joaquín C2	10,3%	10,4%	10,8%	11,1%	11,4%	11,7%	12,1%
2X110 kV San José - Tap San José C1	4,7%	4,8%	4,9%	5,0%	5,2%	5,3%	5,5%
2X110 kV San José - Tap San José C2	24,7%	25,0%	25,9%	26,6%	27,5%	28,1%	29,0%
2x110 kV T82 - Tap Andes C1	22,5%	22,8%	27,1%	37,9%	12,4%	19,1%	19,2%
2x110 kV T82 - Tap Andes C2	46,1%	46,7%	50,1%	56,9%	28,1%	34,8%	35,8%
2x110 kV Tap A. Córdova - A. Córdova C1	20,9%	21,2%	22,0%	22,6%	23,2%	23,7%	24,6%
2x110 kV Tap A. Córdova - A. Córdova C2	43,3%	43,9%	45,5%	46,8%	48,1%	49,3%	51,0%
2x110 kV Tap Altamirano - Altamirano C1	25,3%	25,6%	26,5%	27,2%	28,0%	28,4%	29,3%
2x110 kV Tap Altamirano - Altamirano C2	18,0%	18,3%	18,9%	19,4%	20,0%	20,3%	20,9%
2x110 kV Tap Altamirano - Renca C1	18,0%	18,3%	18,9%	19,4%	20,0%	20,4%	21,0%
2x110 kV Tap Altamirano - Renca C2	21,5%	21,8%	22,6%	23,2%	23,9%	24,3%	25,1%
2x110 kV Tap Andes - Andes C1	11,1%	11,3%	11,7%	12,0%	12,3%	12,6%	13,0%
2x110 kV Tap Andes - Andes C2	18,4%	18,7%	23,1%	23,8%	24,4%	25,0%	25,9%
2x110 kV Tap Apoquindo - Apoquindo C1	46,9%	47,6%	49,3%	50,6%	52,1%	53,2%	55,2%
2x110 kV Tap Apoquindo - Apoquindo C2	21,0%	21,3%	22,1%	22,7%	23,3%	23,9%	24,7%
2x110 kV Tap Apoquindo - Tap Los Domínicos C1	34,4%	34,9%	36,4%	36,3%	39,8%	38,2%	38,9%
2x110 kV Tap Apoquindo - Tap Los Domínicos C2	25,9%	26,2%	27,4%	27,0%	30,1%	32,0%	32,5%
2x110 kV Tap Batuco - Batuco C1	27,9%	28,3%	29,2%	29,9%	30,8%	31,4%	32,3%
2x110 kV Tap Batuco - Batuco C2	26,6%	27,0%	28,0%	28,7%	29,6%	30,2%	31,2%
2x110 kV Tap Batuco - Punta Peuco C1	24,2%	24,5%	26,2%	37,4%	38,1%	37,9%	38,7%
2x110 kV Tap Batuco - Punta Peuco C2	23,3%	23,6%	25,4%	36,5%	37,2%	37,0%	37,7%

2x110 kV Tap Bicentenario - Bicentenario C1	5,8%	5,9%	6,1%	6,3%	6,5%	6,6%	6,8%
2x110 kV Tap Bicentenario - Bicentenario C2	7,0%	7,1%	7,3%	7,5%	7,8%	7,9%	8,2%
2x110 kV Tap Bicentenario - Santa Marta C1	15,6%	15,8%	16,3%	26,4%	27,2%	27,9%	28,9%
2x110 kV Tap Bicentenario - Santa Marta C2	38,4%	39,0%	40,3%	41,4%	42,7%	43,7%	45,3%
2x110 kV Tap Carrascal - Brasil C1	18,9%	19,2%	19,8%	20,3%	21,0%	21,3%	22,0%
2x110 kV Tap Carrascal - Brasil C2	13,3%	13,5%	14,0%	14,3%	14,8%	15,0%	15,5%
2x110 kV Tap Carrascal - Carrascal C1	29,3%	29,7%	30,8%	31,5%	32,5%	33,0%	34,0%
2x110 kV Tap Carrascal - Carrascal C2	27,0%	27,4%	28,4%	29,1%	30,0%	30,5%	31,4%
2x110 kV Tap Chacabuco - Chacabuco C1	23,5%	23,8%	24,7%	25,3%	26,1%	26,6%	27,4%
2x110 kV Tap Chacabuco - Chacabuco C2	25,8%	26,2%	27,2%	27,9%	28,7%	29,3%	30,2%
2x110 kV Tap Chacabuco-Tap Recoleta C1	4,5%	4,5%	5,6%	7,4%	6,6%	9,1%	11,8%
2x110 kV Tap Chacabuco-Tap Recoleta C2	1,8%	1,8%	4,9%	7,2%	6,5%	8,6%	11,1%
2x110 kV Tap Cisterna - Cisterna C1	23,1%	23,4%	24,2%	24,9%	25,6%	26,3%	27,2%
2x110 kV Tap Cisterna - Cisterna C2	13,4%	13,6%	14,0%	14,4%	14,8%	15,2%	15,7%
2x110 kV Tap Cisterna - Lo Espejo C1	32,6%	33,0%	36,0%	39,6%	32,6%	34,0%	35,6%
2x110 kV Tap Cisterna - Lo Espejo C2	32,2%	32,7%	35,6%	39,6%	32,6%	33,9%	35,5%
2x110 kV Tap Club Hípico - Club Hípico C1	8,5%	8,6%	13,2%	13,6%	14,0%	14,3%	14,8%
2x110 kV Tap Club Hípico - Club Hípico C2	36,6%	37,1%	38,5%	39,5%	40,7%	41,8%	43,3%
2x110 kV Tap Club Hípico -Tap San Joaquín C1	15,9%	16,2%	16,5%	20,1%	11,6%	12,9%	13,4%
2x110 kV Tap Club Hípico -Tap San Joaquín C2	12,0%	12,2%	14,2%	16,7%	9,7%	10,8%	11,0%
2x110 kV Tap La Dehesa - La Dehesa C1	33,8%	34,2%	35,5%	36,4%	37,5%	38,3%	39,6%
2x110 kV Tap La Dehesa - La Dehesa C2	26,8%	27,2%	28,2%	28,9%	29,8%	30,4%	31,5%
2x110 kV Tap La Dehesa - Tap Vitacura C1	23,3%	23,6%	23,9%	25,6%	24,1%	22,2%	23,7%
2x110 kV Tap La Dehesa - Tap Vitacura C2	16,3%	16,5%	16,6%	18,0%	16,3%	20,1%	21,5%
2x110 kV Tap La Laja - Alto Maipo C1	17,6%	17,9%	19,0%	19,9%	15,3%	15,3%	15,5%
2x110 kV Tap La Laja - Alto Maipo C2	19,2%	19,4%	18,9%	21,6%	16,5%	16,5%	16,8%
2x110 kV Tap La Laja - La Laja C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap La Laja - La Laja C2	4,1%	4,1%	4,1%	4,1%	4,1%	4,1%	4,1%
2x110 kV Tap La Laja - Queltehue C1	28,8%	29,2%	30,6%	29,3%	29,7%	29,6%	29,7%

2x110 kV Tap La Laja - Queltehue C2	31,5%	31,9%	30,7%	32,3%	31,8%	31,8%	31,9%
2x110 kV Tap La Reina - Bajo Cordillera C1	0,0%	0,0%	0,0%	0,0%	70,1%	71,0%	72,9%
2x110 kV Tap La Reina - Bajo Cordillera C2	0,0%	0,0%	0,0%	0,0%	78,5%	80,3%	82,5%
2x110 kV Tap La Reina - La Reina C1	16,5%	16,7%	23,2%	30,3%	31,0%	31,8%	32,9%
2x110 kV Tap La Reina - La Reina C2	37,2%	37,8%	36,7%	37,9%	38,8%	39,8%	41,2%
2x110 kV Tap Las Acacias - Las Acacias C1	22,8%	23,2%	23,9%	24,6%	25,3%	26,0%	26,9%
2x110 kV Tap Las Acacias - Las Acacias C2	8,3%	8,4%	8,7%	8,9%	9,2%	9,4%	9,7%
2x110 kV Tap Libertadores - Tap Batuco C1	13,0%	13,1%	12,6%	7,0%	7,0%	9,3%	10,5%
2x110 kV Tap Libertadores - Tap Batuco C2	12,3%	12,5%	12,0%	8,0%	8,0%	10,3%	11,6%
2x110 kV Tap Lo Boza - Lo Boza C1	25,6%	25,9%	26,9%	32,8%	33,9%	34,5%	35,6%
2x110 kV Tap Lo Boza - Lo Boza C2	47,8%	48,5%	50,3%	56,9%	58,8%	59,8%	61,7%
2x110 kV Tap Lo Boza - Quilicura C2	40,4%	40,9%	46,1%	49,4%	50,1%	52,7%	56,1%
2x110 kV Tap Lo Valledor - Lo Valledor C1	18,1%	18,4%	19,0%	31,4%	32,4%	33,1%	34,2%
2x110 kV Tap Lo Valledor - Lo Valledor C2	70,8%	71,8%	74,3%	76,3%	78,6%	80,4%	83,1%
2x110 kV Tap Lo Valledor - Tap Maipú C1	28,4%	28,8%	31,1%	31,2%	34,4%	32,1%	32,1%
2x110 kV Tap Lo Valledor - Tap Maipú C2	18,4%	18,7%	20,6%	20,2%	23,0%	20,5%	20,5%
2x110 kV Tap Los Domínicos - Los Almendros C1	29,7%	30,1%	31,4%	31,5%	34,0%	33,1%	33,9%
2x110 kV Tap Los Domínicos - Los Almendros C2	20,7%	21,0%	21,9%	21,8%	23,9%	25,2%	25,7%
2x110 kV Tap Los Domínicos - Los Domínicos C1	54,3%	55,1%	57,1%	58,7%	60,3%	61,7%	63,9%
2x110 kV Tap Los Domínicos - Los Domínicos C2	29,8%	30,2%	31,3%	32,2%	33,1%	33,9%	35,1%
2x110 kV Tap Los Libertadores - Los Libertadores C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Los Libertadores - Los Libertadores C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Macul - Florida C1	33,9%	34,4%	35,4%	34,3%	45,5%	46,1%	47,2%
2x110 kV Tap Macul - Florida C2	42,3%	42,9%	47,8%	46,1%	57,4%	58,3%	59,8%
2x110 kV Tap Macul - Macul C1	20,1%	20,4%	21,3%	25,4%	26,0%	26,7%	27,6%
2x110 kV Tap Macul - Macul C2	49,6%	50,3%	63,4%	65,5%	66,7%	68,4%	70,7%
2x110 kV Tap Maipú - Tap Sta Marta C1	31,1%	31,5%	33,9%	34,0%	37,3%	35,3%	35,3%
2x110 kV Tap Maipú - Tap Sta Marta C2	26,9%	27,3%	29,5%	29,3%	32,5%	30,2%	30,2%
2x110 kV Tap Maipú - Tap Maipú C1	5,6%	5,7%	5,9%	6,0%	6,2%	6,3%	6,5%

2x110 kV Tap Maipú - Tap Maipú C2	17,2%	17,4%	18,0%	18,5%	19,0%	19,5%	20,2%
2x110 kV Tap Mariscal - Mariscal C1	23,6%	23,9%	24,8%	25,5%	26,2%	27,0%	28,0%
2x110 kV Tap Mariscal - Mariscal C2	12,1%	12,3%	12,7%	13,0%	13,4%	13,7%	14,2%
2x110 kV Tap Mariscal - Tap Pintana C1	35,8%	36,3%	35,3%	35,4%	25,8%	26,6%	28,0%
2x110 kV Tap Mariscal - Tap Pintana C2	33,6%	34,1%	35,3%	39,5%	30,2%	31,1%	32,5%
2x110 kV Tap Mariscal - Tap Santa Rosa C1	27,6%	28,0%	26,5%	26,5%	16,8%	17,5%	18,6%
2x110 kV Tap Mariscal - Tap Santa Rosa C2	29,3%	29,7%	30,7%	34,9%	25,4%	26,2%	27,5%
2x110 kV Tap Pajaritos - Pajaritos C1	35,4%	35,9%	37,2%	44,9%	46,3%	47,3%	48,9%
2x110 kV Tap Pajaritos - Pajaritos C2	22,2%	22,5%	23,3%	23,9%	24,7%	25,2%	26,1%
2x110 kV Tap Pajaritos - Tap Valledor C1	13,4%	13,6%	15,4%	15,1%	17,7%	15,3%	15,5%
2x110 kV Tap Pajaritos - Tap Valledor C2	14,7%	14,9%	16,7%	13,7%	16,2%	13,6%	13,8%
2x110 kV Tap Pintana - Pintana C1	29,3%	29,7%	30,7%	31,6%	32,3%	33,3%	34,4%
2x110 kV Tap Pintana - Pintana C2	10,5%	10,6%	11,0%	11,3%	11,5%	11,9%	12,3%
2x110 kV Tap Pudahuel - Pudahuel C1	7,4%	7,5%	20,0%	20,4%	21,1%	21,4%	22,0%
2x110 kV Tap Pudahuel - Pudahuel C2	7,9%	8,0%	8,2%	8,4%	8,7%	8,8%	9,1%
2x110 kV Tap Pudahuel - Tap San Jose C1	7,4%	7,5%	6,9%	10,6%	8,7%	12,6%	16,2%
2x110 kV Tap Pudahuel - Tap San Jose C2	10,3%	10,4%	9,7%	13,3%	11,4%	16,0%	19,7%
2x110 kV Tap Quilicura - Quilicura C1	24,1%	24,5%	31,0%	31,8%	32,8%	33,4%	34,4%
2x110 kV Tap Quilicura - Quilicura C2	19,8%	20,1%	20,8%	21,4%	22,0%	22,4%	23,1%
2x110 kV Tap Recoleta - Recoleta C1	47,5%	48,2%	48,7%	49,7%	50,7%	51,0%	52,2%
2x110 kV Tap Recoleta - Recoleta C2	40,3%	40,8%	54,6%	56,1%	57,9%	59,1%	61,2%
2x110 kV Tap Recoleta - San Cristobal C1	23,0%	23,4%	23,0%	22,1%	23,2%	21,7%	20,8%
2x110 kV Tap Recoleta - San Cristobal C2	21,4%	21,7%	26,6%	25,8%	27,4%	26,6%	26,4%
2x110 kV Tap San Bernardo - San Bernardo C1	72,2%	73,3%	75,7%	77,7%	80,2%	82,3%	85,3%
2x110 kV Tap San Bernardo - San Bernardo C2	35,6%	36,1%	37,2%	38,2%	39,3%	40,4%	41,7%
2x110 kV Tap San Joaquín - Tap Santa Elena C1	47,6%	48,3%	48,7%	37,8%	69,9%	70,2%	71,0%
2x110 kV Tap San Joaquín - Tap Santa Elena C2	23,0%	23,3%	24,6%	25,7%	27,7%	28,8%	28,5%
2x110 kV Tap San José - Tap Pajaritos C1	4,9%	5,0%	4,5%	7,9%	5,9%	10,1%	13,9%
2x110 kV Tap San José - Tap Pajaritos C2	3,8%	3,9%	5,4%	2,6%	4,1%	4,9%	8,6%

2x110 kV Tap Santa Marta - Tap Bicentenario C1	21,4%	21,7%	22,4%	32,7%	33,7%	34,5%	35,7%
2x110 kV Tap Santa Marta - Tap Bicentenario C2	45,5%	46,1%	47,7%	48,9%	50,4%	51,7%	53,5%
2x110 kV Tap Sta Elena - Sta Elena C1	19,1%	19,4%	20,0%	20,6%	21,1%	21,7%	22,4%
2x110 kV Tap Sta Elena - Sta Elena C2	34,6%	35,1%	36,4%	37,4%	38,4%	39,4%	40,8%
2x110 kV Tap Sta Elena - Tap Macul C1	31,2%	31,6%	32,2%	28,1%	42,0%	42,4%	43,2%
2x110 kV Tap Sta Elena - Tap Macul C2	23,5%	23,8%	22,3%	18,3%	31,8%	32,0%	32,5%
2x110 kV Tap Sta Raquel - Sta Raquel C1	22,8%	23,1%	23,9%	24,6%	25,2%	25,9%	26,8%
2x110 kV Tap Sta Raquel - Sta Raquel C2	14,1%	14,3%	14,8%	21,7%	22,2%	22,8%	23,6%
2x110 kV Tap Sta Raquel - Sta Rosa C1	32,7%	33,2%	28,5%	28,3%	9,8%	11,6%	13,3%
2x110 kV Tap Sta Raquel - Sta Rosa C2	49,7%	50,4%	52,1%	60,8%	39,7%	41,0%	43,3%
2x110 kV Tap Sta Rosa - Sta Rosa C1	26,3%	26,7%	27,6%	28,3%	29,0%	29,8%	30,8%
2x110 kV Tap Sta Rosa - Sta Rosa C2	13,5%	13,7%	14,2%	14,6%	14,9%	15,3%	15,8%
2x110 kV Tap Vitacura - Vitacura C1	59,2%	60,1%	62,4%	64,1%	66,1%	55,5%	57,6%
2x110 kV Tap Vitacura - Vitacura C1	59,3%	60,1%	62,4%	64,1%	66,1%	55,5%	57,6%
2x110 kV Tap Vitacura - Vitacura C2	25,2%	25,6%	26,5%	27,2%	28,0%	40,3%	41,8%
2x110 kV Tap Vitacura - Vitacura C2	25,2%	25,6%	26,5%	27,2%	28,0%	40,3%	41,8%
2x110 kV Tap Vitacura-Tap A. de Cordova C1	5,0%	5,1%	3,5%	3,8%	4,1%	3,6%	4,5%
2x110 kV Tap Vitacura-Tap A. de Cordova C2	13,9%	14,1%	13,0%	15,0%	11,5%	9,5%	11,0%
2x110 kV Torre 1 - San Cristobal C1	32,0%	32,4%	37,0%	38,1%	39,5%	40,5%	42,1%
2x110 kV Torre 1 - San Cristobal C2	33,9%	34,3%	32,2%	33,0%	33,9%	34,4%	35,4%
2x110 kV Torre 17 - Torre 1 C1	8,6%	8,7%	9,9%	10,2%	10,6%	10,9%	11,4%
2x110 kV Torre 17 - Torre 1 C2	9,1%	9,2%	8,6%	8,8%	9,1%	9,2%	9,5%
2x110 kV Torre 33 - Torre 1 C1	30,5%	30,9%	35,2%	36,2%	37,6%	38,5%	39,9%
2x110 kV Torre 33 - Torre 1 C2	32,1%	32,6%	30,7%	31,4%	32,3%	32,7%	33,7%
2x110 kV Torre 33 - Torre 17 C1	31,1%	31,5%	32,6%	31,9%	33,4%	32,3%	32,0%
2x110 kV Torre 33 - Torre 17 C2	30,5%	31,0%	35,2%	34,6%	36,4%	35,7%	35,8%
2x220 kV Alto Jahuel - Los Almendros C1	19,2%	19,5%	23,0%	27,3%	0,0%	0,0%	0,0%
2x220 kV Alto Jahuel - Los Almendros C2	19,2%	19,5%	23,0%	27,3%	0,0%	0,0%	0,0%
2x220 kV Polpaico - El Manzano C1	35,5%	36,0%	38,0%	38,7%	39,0%	39,5%	40,6%

2x220 kV Polpaico - El Manzano C2	35,5%	36,0%	38,1%	38,8%	39,1%	39,6%	40,7%
2x220 kV Tap Chicureo - Chicureo C1	4,1%	4,1%	4,3%	4,4%	4,5%	4,6%	4,7%
2x220 kV Tap Chicureo - Chicureo C2	4,1%	4,1%	4,3%	4,4%	4,5%	4,6%	4,7%
2x220 kV Tap Chicureo - El Salto C1	34,4%	34,9%	36,9%	37,6%	37,9%	38,2%	39,3%
2x220 kV Tap Chicureo - El Salto C2	34,5%	35,0%	36,9%	37,7%	37,9%	38,3%	39,4%
2x220 kV Tap El Manzano - El Manzano C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - El Manzano C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - Tap Chicureo C1	35,5%	36,0%	38,1%	38,8%	39,1%	39,5%	40,7%
2x220 kV Tap El Manzano - Tap Chicureo C2	35,8%	36,3%	38,4%	39,1%	39,4%	39,9%	41,0%
2x44 kV Carena - Lo Prado C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Carena - Lo Prado C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Lo Prado - Curacaví C1	18,1%	18,4%	19,0%	19,5%	20,2%	20,5%	21,1%
2x44 kV Lo Prado - Curacaví C2	19,2%	19,5%	20,2%	20,2%	20,8%	21,2%	21,8%

Tabla 1-34. Cargabilidad de líneas de transmisión en escenario Verano Noche, zona Región Metropolitana.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Alfalfal - Maitenes	49,1%	49,8%	50,6%	56,0%	41,4%	41,5%	42,2%
1x110 kV Cerro Navia - Tap San Pablo	21,5%	21,8%	21,8%	22,3%	22,9%	23,1%	23,7%
1x110 kV Las Vegas - Santiago Solar	20,6%	20,9%	19,8%	12,0%	11,7%	11,0%	10,3%
1x110 kV Lo Aguirre - Lo Prado	18,7%	19,0%	19,7%	19,9%	20,6%	20,9%	21,6%
1x110 kV Lord Cochrane - Ochagavía	20,8%	21,1%	21,8%	22,4%	23,0%	23,6%	24,4%
1x110 kV Los Colorados - Tap Punta Peuco	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
1x110 kV Puente Alto - Costanera	27,7%	28,1%	15,4%	29,6%	30,2%	31,0%	32,1%
1x110 kV Quilicura - Tap Chacabuco	25,8%	26,2%	30,6%	33,4%	33,6%	35,9%	38,7%
1x110 kV Renca - Metro	15,5%	15,8%	16,3%	16,6%	17,1%	17,4%	17,9%
1x110 kV San Pablo - Lo Aguirre	29,9%	30,3%	31,4%	32,0%	33,0%	33,6%	34,6%
1x110 kV Tap La Laja - Tap Las Vizcachas	19,2%	19,5%	20,7%	21,2%	17,5%	17,5%	17,7%
1x110 kV Tap Lo Boza - Tap Quilicura	42,0%	42,6%	48,3%	51,4%	52,1%	54,7%	57,9%
1x110 kV Tap Punta Peuco - Las Vegas	19,4%	19,7%	21,6%	35,8%	36,7%	37,4%	38,8%

1x110 kV Tap Punta Peuco - Santiago Solar	38,3%	38,8%	39,9%	47,5%	48,0%	48,2%	49,0%
1x110 kV Tap Quilicura - Tap Chacabuco	26,5%	26,9%	28,3%	31,0%	31,0%	33,2%	35,8%
1x110 kV Tap San Pablo - San Pablo	16,3%	16,6%	17,1%	17,6%	18,1%	18,4%	18,9%
1x110 kV Vizcachas - Puente Alto	10,1%	10,2%	2,4%	10,9%	11,2%	11,6%	12,1%
1x110 kV Vizcachas - Tap La Laja	25,5%	25,8%	25,1%	28,0%	23,0%	23,0%	23,4%
1x220 kV Alfalfal - Tap Disputada Condes	36,1%	36,6%	36,5%	35,2%	41,1%	41,5%	41,7%
1x220 kV Alfalfal - Tap La Ermita	36,3%	36,8%	36,6%	35,3%	41,2%	41,7%	41,9%
1x220 kV Alto Jahuel - Buin	58,0%	58,8%	62,0%	66,3%	64,4%	65,9%	68,0%
1x220 kV Cerro Navia - Neptuno	13,6%	13,8%	14,0%	15,1%	14,5%	13,7%	14,2%
1x220 kV E95 - Neptuno	14,5%	14,7%	15,1%	15,9%	15,2%	14,9%	15,5%
1x220 kV E95B - Neptuno	13,3%	13,5%	13,5%	14,7%	14,1%	13,3%	13,7%
1x220 kV Neptuno - Chena	15,0%	15,3%	15,6%	16,4%	15,7%	15,4%	16,0%
1x220 kV Tap La Ermita - Los Almendros	35,8%	36,3%	36,1%	34,8%	40,6%	41,0%	41,2%
1x220 kV Tap Lampa - Lampa	16,3%	16,5%	17,0%	17,4%	17,9%	18,3%	18,9%
1x23 kV La Laja - Guayacán	14,1%	14,3%	14,3%	14,4%	14,4%	14,4%	14,4%
1x44 kV Punta Peuco - Principal Planta	62,2%	63,1%	65,2%	66,5%	68,5%	69,9%	72,0%
2x110 kV A. Córdova - Tap Apoquindo C1	24,1%	24,4%	25,4%	24,5%	28,6%	31,1%	31,2%
2x110 kV A. Córdova - Tap Apoquindo C2	17,3%	17,6%	18,4%	17,2%	21,3%	18,1%	17,8%
2x110 kV Alto Jahuel - Tap Buin C1	46,2%	46,9%	56,5%	69,0%	61,4%	62,8%	65,1%
2x110 kV Alto Jahuel - Tap Buin C1	36,4%	36,9%	38,2%	42,4%	33,6%	34,5%	36,1%
2x110 kV Alto Maipo - Maitenes C1	17,6%	17,8%	18,1%	19,8%	15,2%	15,2%	15,4%
2x110 kV Alto Maipo - Maitenes C2	17,6%	17,8%	18,1%	19,8%	15,2%	15,2%	15,4%
2x110 kV Andes - Tap La Reina C1	11,6%	11,8%	15,9%	28,8%	20,3%	24,3%	24,1%
2x110 kV Andes - Tap La Reina C2	28,6%	29,0%	25,7%	33,5%	16,7%	21,7%	21,4%
2x110 kV Apoquindo - Tap Los Domínicos C1	32,9%	33,3%	34,8%	34,7%	38,0%	36,5%	37,2%
2x110 kV Apoquindo - Tap Los Domínicos C2	24,7%	25,1%	26,1%	25,8%	28,7%	30,5%	31,0%
2x110 kV Bajo Cordillera - Tap La Laja C1	0,0%	0,0%	0,0%	0,0%	18,1%	18,3%	18,5%
2x110 kV Bajo Cordillera - Tap La Laja C2	0,0%	0,0%	0,0%	0,0%	10,2%	10,4%	10,3%
2x110 kV Buin - Tap Buin C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%

2x110 kV Buin - Tap Buin C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap La Pintana C1	46,3%	46,9%	46,4%	46,8%	38,0%	39,1%	40,8%
2x110 kV Buin - Tap La Pintana C2	36,4%	36,9%	38,3%	42,4%	33,6%	34,6%	36,1%
2x110 kV C. Navia - Tap Lo Boza C1	44,6%	45,2%	49,9%	55,4%	56,5%	58,7%	61,7%
2x110 kV C. Navia - Tap Lo Boza C2	53,8%	54,5%	59,2%	65,0%	66,5%	68,9%	72,3%
2x110 kV C. Navia - Tap Los Libertadores C1	12,4%	12,5%	12,0%	6,6%	6,7%	8,8%	10,0%
2x110 kV C. Navia - Tap Los Libertadores C2	11,7%	11,9%	11,5%	7,6%	7,7%	9,8%	11,1%
2x110 kV C. Navia - Tap Pudahuel C1	10,4%	10,6%	15,8%	19,9%	18,3%	22,0%	25,2%
2x110 kV C. Navia - Tap Pudahuel C2	13,6%	13,8%	13,3%	16,8%	15,2%	19,3%	22,8%
2x110 kV Cerro Navia - Tap Altamirano C1	29,2%	29,7%	30,7%	31,5%	32,5%	33,0%	34,0%
2x110 kV Cerro Navia - Tap Altamirano C2	29,2%	29,6%	30,6%	31,4%	32,4%	32,9%	33,9%
2x110 kV Chena - Lo Espejo C1	45,4%	46,0%	48,9%	55,4%	48,3%	51,0%	53,6%
2x110 kV Chena - Lo Espejo C2	31,5%	32,0%	34,4%	37,7%	30,1%	32,2%	34,2%
2x110 kV Chena - Tap Sta Marta C1	39,9%	40,5%	43,0%	48,1%	51,7%	50,0%	50,4%
2x110 kV Chena - Tap Sta Marta C2	47,4%	48,1%	50,9%	51,4%	55,1%	53,3%	53,7%
2x110 kV El Salto - San Cristobal C1	40,4%	41,0%	43,5%	43,2%	45,1%	44,4%	44,6%
2x110 kV El Salto - San Cristobal C2	40,1%	40,7%	44,2%	43,9%	45,9%	45,3%	45,6%
2x110 kV El Salto - Tap La Dehesa C1	31,4%	31,8%	32,5%	34,5%	33,0%	31,2%	33,1%
2x110 kV El Salto - Tap La Dehesa C2	22,6%	22,9%	23,2%	24,9%	23,3%	27,5%	29,2%
2x110 kV FFCC - Tap Cisterna C1	38,8%	39,3%	43,7%	49,2%	37,3%	39,0%	41,1%
2x110 kV FFCC - Tap Cisterna C2	44,3%	44,9%	49,5%	55,8%	44,0%	46,0%	48,3%
2x110 kV Florida - Tap La Reina C1	19,9%	20,2%	25,0%	23,1%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap La Reina C2	36,0%	36,5%	37,3%	31,2%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C1	19,2%	19,5%	20,7%	21,2%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C2	60,1%	60,9%	88,7%	66,7%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Sta Raquel 110 kV C1	11,6%	11,7%	10,8%	14,8%	33,4%	34,8%	35,7%
2x110 kV Florida - Tap Sta Raquel 110 kV C2	28,6%	29,0%	29,5%	28,8%	10,8%	12,4%	14,0%
2x110 kV L. Cochrane - Metro C2	10,4%	10,6%	10,9%	11,2%	11,5%	11,8%	12,2%
2x110 kV Las Acacias - San Bernardo C1	49,9%	50,6%	55,2%	61,2%	56,5%	57,0%	58,7%

2x110 kV Las Acacias - San Bernardo C2	57,8%	58,6%	63,4%	69,4%	64,9%	65,7%	67,7%
2x110 kV Lo Espejo - Panamericana C1	11,1%	11,3%	11,7%	16,5%	17,0%	17,4%	18,0%
2x110 kV Lo Espejo - Panamericana C2	8,9%	9,0%	9,3%	9,6%	9,9%	10,1%	10,5%
2x110 kV Lo Espejo - Tap Las Acacias C1	22,0%	22,3%	25,6%	31,0%	25,4%	25,7%	26,6%
2x110 kV Lo Espejo - Tap Las Acacias C2	47,5%	48,1%	52,6%	58,2%	53,4%	54,0%	55,6%
2x110 kV Los Almendros - T82 C1	14,8%	15,0%	17,8%	24,8%	8,1%	12,5%	12,6%
2x110 kV Los Almendros - T82 C2	30,2%	30,7%	32,9%	37,3%	18,4%	22,8%	23,5%
2x110 kV Metro - Lord Cochrane C1	41,9%	42,5%	44,0%	45,1%	46,4%	47,6%	49,2%
2x110 kV Metro - Lord Cochrane C2	16,5%	16,7%	17,3%	17,7%	18,2%	18,5%	19,0%
2x110 kV Ochagavía - Lo Espejo C1	38,8%	39,4%	43,7%	49,2%	37,3%	39,1%	41,1%
2x110 kV Ochagavía - Lo Espejo C2	44,3%	44,9%	49,5%	55,8%	44,0%	46,0%	48,3%
2x110 kV Ochagavía - Tap Club Hípico C1	21,1%	21,4%	25,0%	29,5%	18,9%	20,5%	21,5%
2x110 kV Ochagavía - Tap Club Hípico C2	35,4%	35,9%	39,5%	44,1%	32,9%	34,9%	36,6%
2x110 kV Renca - Tap Carrascal C1	18,1%	18,3%	19,0%	19,4%	20,1%	20,4%	21,0%
2x110 kV Renca - Tap Carrascal C2	13,7%	13,9%	14,4%	14,8%	15,3%	15,5%	16,0%
2x110 kV San Bernardo - Buin C1	41,2%	41,7%	44,3%	47,2%	46,1%	46,9%	48,4%
2x110 kV San Bernardo - Buin C2	32,9%	33,4%	35,6%	38,1%	36,8%	37,4%	38,5%
2x110 kV San Bernardo - Malloco C1	100,2%	101,7%	105,0%	107,9%	111,4%	114,4%	118,6%
2X110 kV San Joaquín - Tap San Joaquín C1	40,4%	40,9%	42,4%	43,6%	44,8%	46,0%	47,7%
2X110 kV San Joaquín - Tap San Joaquín C2	9,8%	10,0%	10,3%	10,6%	10,8%	11,1%	11,5%
2X110 kV San José - Tap San José C1	4,5%	4,5%	4,7%	4,8%	5,0%	5,1%	5,2%
2X110 kV San José - Tap San José C2	23,6%	23,9%	24,8%	25,4%	26,3%	26,8%	27,7%
2x110 kV T82 - Tap Andes C1	21,5%	21,8%	25,9%	36,2%	11,8%	18,3%	18,4%
2x110 kV T82 - Tap Andes C2	44,0%	44,6%	47,8%	54,3%	26,9%	33,2%	34,2%
2x110 kV Tap A. Córdova - A. Córdova C1	20,0%	20,3%	21,0%	21,6%	22,2%	22,7%	23,5%
2x110 kV Tap A. Córdova - A. Córdova C2	41,3%	41,9%	43,5%	44,7%	46,0%	47,0%	48,8%
2x110 kV Tap Altamirano - Altamirano C1	24,1%	24,5%	25,3%	25,9%	26,7%	27,2%	28,0%
2x110 kV Tap Altamirano - Altamirano C2	17,2%	17,5%	18,1%	18,5%	19,1%	19,4%	20,0%
2x110 kV Tap Altamirano - Renca C1	17,2%	17,4%	18,1%	18,5%	19,1%	19,4%	20,0%

2x110 kV Tap Altamirano - Renca C2	20,6%	20,9%	21,6%	22,1%	22,9%	23,2%	23,9%
2x110 kV Tap Andes - Andes C1	10,6%	10,8%	11,2%	11,5%	11,7%	12,0%	12,4%
2x110 kV Tap Andes - Andes C2	17,6%	17,8%	22,1%	22,7%	23,3%	23,8%	24,7%
2x110 kV Tap Apoquindo - Apoquindo C1	44,8%	45,4%	47,1%	48,4%	49,8%	50,8%	52,7%
2x110 kV Tap Apoquindo - Apoquindo C2	20,1%	20,4%	21,1%	21,7%	22,3%	22,8%	23,6%
2x110 kV Tap Apoquindo - Tap Los Domínicos C1	32,9%	33,3%	34,8%	34,7%	38,0%	36,5%	37,2%
2x110 kV Tap Apoquindo - Tap Los Domínicos C2	24,7%	25,1%	26,1%	25,8%	28,7%	30,5%	31,0%
2x110 kV Tap Batuco - Batuco C1	26,6%	27,0%	27,9%	28,5%	29,4%	30,0%	30,9%
2x110 kV Tap Batuco - Batuco C2	25,5%	25,8%	26,8%	27,4%	28,3%	28,9%	29,8%
2x110 kV Tap Batuco - Punta Peuco C1	23,1%	23,4%	25,0%	35,7%	36,4%	36,2%	37,0%
2x110 kV Tap Batuco - Punta Peuco C2	22,3%	22,6%	24,2%	34,9%	35,5%	35,3%	36,0%
2x110 kV Tap Bicentenario - Bicentenario C1	5,6%	5,6%	5,8%	6,0%	6,2%	6,3%	6,5%
2x110 kV Tap Bicentenario - Bicentenario C2	6,7%	6,8%	7,0%	7,2%	7,4%	7,6%	7,8%
2x110 kV Tap Bicentenario - Santa Marta C1	14,9%	15,1%	15,6%	25,2%	26,0%	26,7%	27,6%
2x110 kV Tap Bicentenario - Santa Marta C2	36,7%	37,2%	38,5%	39,5%	40,8%	41,8%	43,2%
2x110 kV Tap Carrascal - Brasil C1	18,0%	18,3%	18,9%	19,4%	20,0%	20,4%	21,0%
2x110 kV Tap Carrascal - Brasil C2	12,7%	12,9%	13,3%	13,7%	14,1%	14,4%	14,8%
2x110 kV Tap Carrascal - Carrascal C1	28,0%	28,4%	29,4%	30,1%	31,0%	31,5%	32,5%
2x110 kV Tap Carrascal - Carrascal C2	25,8%	26,2%	27,1%	27,8%	28,7%	29,1%	30,0%
2x110 kV Tap Chacabuco - Chacabuco C1	22,4%	22,7%	23,6%	24,2%	24,9%	25,4%	26,2%
2x110 kV Tap Chacabuco - Chacabuco C2	24,7%	25,0%	26,0%	26,6%	27,5%	28,0%	28,9%
2x110 kV Tap Chacabuco-Tap Recoleta C1	4,3%	4,3%	5,3%	7,0%	6,3%	8,7%	11,3%
2x110 kV Tap Chacabuco-Tap Recoleta C2	1,7%	1,7%	4,7%	6,8%	6,2%	8,2%	10,6%
2x110 kV Tap Cisterna - Cisterna C1	22,1%	22,4%	23,1%	23,8%	24,5%	25,1%	26,0%
2x110 kV Tap Cisterna - Cisterna C2	12,8%	13,0%	13,4%	13,8%	14,2%	14,5%	15,0%
2x110 kV Tap Cisterna - Lo Espejo C1	31,1%	31,6%	34,4%	37,8%	31,2%	32,5%	34,0%
2x110 kV Tap Cisterna - Lo Espejo C2	30,7%	31,2%	34,0%	37,8%	31,1%	32,4%	33,9%
2x110 kV Tap Club Hípico - Club Hípico C1	8,1%	8,2%	12,6%	13,0%	13,3%	13,7%	14,2%
2x110 kV Tap Club Hípico - Club Hípico C2	35,0%	35,5%	36,7%	37,8%	38,8%	39,9%	41,3%

2x110 kV Tap Club Hípico -Tap San Joaquín C1	15,2%	15,4%	15,8%	19,2%	11,0%	12,3%	12,8%
2x110 kV Tap Club Hípico -Tap San Joaquín C2	11,5%	11,6%	13,5%	16,0%	9,3%	10,3%	10,5%
2x110 kV Tap La Dehesa - La Dehesa C1	32,2%	32,7%	33,9%	34,8%	35,8%	36,5%	37,8%
2x110 kV Tap La Dehesa - La Dehesa C2	25,6%	26,0%	26,9%	27,6%	28,4%	29,1%	30,1%
2x110 kV Tap La Dehesa - Tap Vitacura C1	22,2%	22,5%	22,9%	24,5%	23,0%	21,2%	22,6%
2x110 kV Tap La Dehesa - Tap Vitacura C2	15,6%	15,8%	15,8%	17,2%	15,6%	19,2%	20,6%
2x110 kV Tap La Laja - Alto Maipo C1	16,8%	17,1%	18,1%	19,0%	14,6%	14,6%	14,8%
2x110 kV Tap La Laja - Alto Maipo C2	18,3%	18,6%	18,1%	20,6%	15,7%	15,8%	16,1%
2x110 kV Tap La Laja - La Laja C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap La Laja - La Laja C2	3,9%	3,9%	3,9%	4,0%	3,9%	3,9%	4,0%
2x110 kV Tap La Laja - Queltehue C1	27,5%	27,9%	29,2%	28,0%	28,3%	28,3%	28,3%
2x110 kV Tap La Laja - Queltehue C2	30,1%	30,5%	29,3%	30,8%	30,3%	30,4%	30,5%
2x110 kV Tap La Reina - Bajo Cordillera C1	0,0%	0,0%	0,0%	0,0%	66,9%	67,8%	69,6%
2x110 kV Tap La Reina - Bajo Cordillera C2	0,0%	0,0%	0,0%	0,0%	75,0%	76,7%	78,8%
2x110 kV Tap La Reina - La Reina C1	15,7%	15,9%	22,1%	29,0%	29,6%	30,3%	31,4%
2x110 kV Tap La Reina - La Reina C2	35,6%	36,1%	35,0%	36,2%	37,1%	38,0%	39,3%
2x110 kV Tap Las Acacias - Las Acacias C1	21,8%	22,1%	22,8%	23,5%	24,2%	24,8%	25,7%
2x110 kV Tap Las Acacias - Las Acacias C2	7,9%	8,0%	8,3%	8,5%	8,8%	9,0%	9,3%
2x110 kV Tap Libertadores - Tap Batuco C1	12,4%	12,5%	12,1%	6,6%	6,7%	8,9%	10,0%
2x110 kV Tap Libertadores - Tap Batuco C2	11,8%	11,9%	11,5%	7,6%	7,7%	9,9%	11,1%
2x110 kV Tap Lo Boza - Lo Boza C1	24,4%	24,8%	25,7%	31,4%	32,4%	33,0%	34,0%
2x110 kV Tap Lo Boza - Lo Boza C2	45,7%	46,3%	48,0%	54,4%	56,2%	57,1%	58,9%
2x110 kV Tap Lo Boza - Quilicura C2	38,5%	39,1%	44,0%	47,2%	47,8%	50,3%	53,6%
2x110 kV Tap Lo Valledor - Lo Valledor C1	17,3%	17,5%	18,1%	30,0%	30,9%	31,6%	32,6%
2x110 kV Tap Lo Valledor - Lo Valledor C2	67,6%	68,6%	70,9%	72,8%	75,1%	76,8%	79,3%
2x110 kV Tap Lo Valledor - Tap Maipú C1	27,1%	27,5%	29,7%	29,8%	32,8%	30,7%	30,6%
2x110 kV Tap Lo Valledor - Tap Maipú C2	17,6%	17,9%	19,7%	19,3%	22,0%	19,6%	19,5%
2x110 kV Tap Los Domínicos - Los Almendros C1	28,3%	28,7%	29,9%	30,1%	32,4%	31,7%	32,4%
2x110 kV Tap Los Domínicos - Los Almendros C2	19,7%	20,0%	20,9%	20,8%	22,8%	24,1%	24,6%

2x110 kV Tap Los Domínicos - Los Domínicos C1	51,9%	52,6%	54,5%	56,0%	57,6%	58,9%	61,1%
2x110 kV Tap Los Domínicos - Los Domínicos C2	28,4%	28,9%	29,9%	30,7%	31,6%	32,4%	33,6%
2x110 kV Tap Los Libertadores - Los Libertadores C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Los Libertadores - Los Libertadores C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Macul - Florida C1	32,4%	32,9%	33,8%	32,7%	43,4%	44,0%	45,1%
2x110 kV Tap Macul - Florida C2	40,4%	41,0%	45,7%	44,0%	54,9%	55,6%	57,1%
2x110 kV Tap Macul - Macul C1	19,2%	19,5%	20,3%	24,3%	24,8%	25,5%	26,4%
2x110 kV Tap Macul - Macul C2	47,4%	48,0%	60,6%	62,5%	63,7%	65,3%	67,5%
2x110 kV Tap Maipú - Tap Sta Marta C1	29,7%	30,1%	32,3%	32,5%	35,6%	33,7%	33,7%
2x110 kV Tap Maipú - Tap Sta Marta C2	25,7%	26,1%	28,1%	28,0%	31,0%	28,9%	28,8%
2x110 kV Tap Maipú - Tap Maipú C1	5,3%	5,4%	5,6%	5,7%	5,9%	6,0%	6,2%
2x110 kV Tap Maipú - Tap Maipú C2	16,4%	16,6%	17,2%	17,6%	18,2%	18,6%	19,3%
2x110 kV Tap Mariscal - Mariscal C1	22,5%	22,8%	23,6%	24,4%	25,0%	25,7%	26,7%
2x110 kV Tap Mariscal - Mariscal C2	11,6%	11,7%	12,1%	12,5%	12,8%	13,1%	13,6%
2x110 kV Tap Mariscal - Tap Pintana C1	34,2%	34,7%	33,7%	33,8%	24,7%	25,4%	26,7%
2x110 kV Tap Mariscal - Tap Pintana C2	32,1%	32,6%	33,7%	37,8%	28,9%	29,7%	31,0%
2x110 kV Tap Mariscal - Tap Santa Rosa C1	26,4%	26,8%	25,4%	25,3%	16,1%	16,7%	17,8%
2x110 kV Tap Mariscal - Tap Santa Rosa C2	28,0%	28,4%	29,3%	33,3%	24,3%	25,0%	26,3%
2x110 kV Tap Pajaritos - Pajaritos C1	33,8%	34,3%	35,5%	42,9%	44,2%	45,2%	46,7%
2x110 kV Tap Pajaritos - Pajaritos C2	21,2%	21,5%	22,2%	22,8%	23,6%	24,1%	24,9%
2x110 kV Tap Pajaritos - Tap Valledor C1	12,8%	13,0%	14,7%	14,4%	16,9%	14,6%	14,8%
2x110 kV Tap Pajaritos - Tap Valledor C2	14,0%	14,2%	16,0%	13,1%	15,5%	13,0%	13,2%
2x110 kV Tap Pintana - Pintana C1	28,0%	28,3%	29,3%	30,1%	30,9%	31,8%	32,9%
2x110 kV Tap Pintana - Pintana C2	10,0%	10,1%	10,5%	10,8%	11,0%	11,3%	11,7%
2x110 kV Tap Pudahuel - Pudahuel C1	7,0%	7,1%	19,1%	19,5%	20,1%	20,4%	21,0%
2x110 kV Tap Pudahuel - Pudahuel C2	7,5%	7,6%	7,9%	8,1%	8,3%	8,4%	8,7%
2x110 kV Tap Pudahuel - Tap San Jose C1	7,1%	7,2%	6,6%	10,1%	8,3%	12,1%	15,5%
2x110 kV Tap Pudahuel - Tap San Jose C2	9,8%	9,9%	9,3%	12,7%	10,9%	15,2%	18,8%
2x110 kV Tap Quilicura - Quilicura C1	23,1%	23,4%	29,6%	30,3%	31,3%	31,9%	32,9%

2x110 kV Tap Quilicura - Quilicura C2	18,9%	19,2%	19,9%	20,4%	21,0%	21,4%	22,1%
2x110 kV Tap Recoleta - Recoleta C1	45,4%	46,0%	46,5%	47,4%	48,4%	48,7%	49,8%
2x110 kV Tap Recoleta - Recoleta C2	38,4%	39,0%	52,1%	53,5%	55,3%	56,4%	58,4%
2x110 kV Tap Recoleta - San Cristobal C1	22,0%	22,3%	21,9%	21,1%	22,2%	20,7%	19,9%
2x110 kV Tap Recoleta - San Cristobal C2	20,5%	20,8%	25,4%	24,7%	26,1%	25,4%	25,2%
2x110 kV Tap San Bernardo - San Bernardo C1	69,0%	70,0%	72,3%	74,2%	76,6%	78,6%	81,5%
2x110 kV Tap San Bernardo - San Bernardo C2	34,0%	34,4%	35,5%	36,4%	37,6%	38,5%	39,9%
2x110 kV Tap San Joaquín - Tap Santa Elena C1	45,5%	46,1%	46,5%	36,1%	66,8%	67,0%	67,8%
2x110 kV Tap San Joaquín - Tap Santa Elena C2	21,9%	22,2%	23,5%	24,5%	26,5%	27,5%	27,2%
2x110 kV Tap San José - Tap Pajaritos C1	4,7%	4,8%	4,3%	7,5%	5,6%	9,7%	13,3%
2x110 kV Tap San José - Tap Pajaritos C2	3,7%	3,7%	5,1%	2,5%	3,9%	4,7%	8,2%
2x110 kV Tap Santa Marta - Tap Bicentenario C1	20,4%	20,7%	21,4%	31,2%	32,2%	33,0%	34,1%
2x110 kV Tap Santa Marta - Tap Bicentenario C2	43,4%	44,0%	45,5%	46,7%	48,2%	49,4%	51,1%
2x110 kV Tap Sta Elena - Sta Elena C1	18,2%	18,5%	19,1%	19,7%	20,2%	20,7%	21,4%
2x110 kV Tap Sta Elena - Sta Elena C2	33,1%	33,5%	34,7%	35,7%	36,6%	37,6%	39,0%
2x110 kV Tap Sta Elena - Tap Macul C1	29,8%	30,2%	30,8%	26,9%	40,1%	40,5%	41,2%
2x110 kV Tap Sta Elena - Tap Macul C2	22,4%	22,7%	21,3%	17,5%	30,4%	30,6%	31,0%
2x110 kV Tap Sta Raquel - Sta Raquel C1	21,8%	22,1%	22,8%	23,5%	24,0%	24,7%	25,6%
2x110 kV Tap Sta Raquel - Sta Raquel C2	13,5%	13,7%	14,1%	20,7%	21,2%	21,8%	22,6%
2x110 kV Tap Sta Raquel - Sta Rosa C1	31,3%	31,7%	27,3%	27,0%	9,3%	11,0%	12,7%
2x110 kV Tap Sta Raquel - Sta Rosa C2	47,4%	48,1%	49,7%	58,1%	37,9%	39,2%	41,4%
2x110 kV Tap Sta Rosa - Sta Rosa C1	25,1%	25,5%	26,3%	27,1%	27,7%	28,5%	29,4%
2x110 kV Tap Sta Rosa - Sta Rosa C2	12,9%	13,1%	13,5%	13,9%	14,2%	14,6%	15,1%
2x110 kV Tap Vitacura - Vitacura C1	56,6%	57,4%	59,5%	61,2%	63,1%	53,0%	55,0%
2x110 kV Tap Vitacura - Vitacura C1	56,6%	57,4%	59,6%	61,2%	63,1%	53,0%	55,0%
2x110 kV Tap Vitacura - Vitacura C2	24,1%	24,4%	25,3%	26,0%	26,7%	38,5%	39,9%
2x110 kV Tap Vitacura - Vitacura C2	24,1%	24,4%	25,3%	26,0%	26,7%	38,5%	39,9%
2x110 kV Tap Vitacura-Tap A. de Cordova C1	4,8%	4,9%	3,3%	3,6%	3,9%	3,4%	4,3%
2x110 kV Tap Vitacura-Tap A. de Cordova C2	13,3%	13,5%	12,5%	14,4%	11,0%	9,1%	10,5%

2x110 kV Torre 1 - San Cristobal C1	30,5%	31,0%	35,3%	36,4%	37,7%	38,7%	40,2%
2x110 kV Torre 1 - San Cristobal C2	32,3%	32,8%	30,8%	31,5%	32,4%	32,8%	33,8%
2x110 kV Torre 17 - Torre 1 C1	8,2%	8,3%	9,5%	9,8%	10,1%	10,4%	10,8%
2x110 kV Torre 17 - Torre 1 C2	8,7%	8,8%	8,2%	8,4%	8,6%	8,8%	9,1%
2x110 kV Torre 33 - Torre 1 C1	29,1%	29,5%	33,6%	34,6%	35,9%	36,7%	38,1%
2x110 kV Torre 33 - Torre 1 C2	30,7%	31,1%	29,4%	30,0%	30,9%	31,3%	32,1%
2x110 kV Torre 33 - Torre 17 C1	29,7%	30,1%	31,1%	30,4%	31,9%	30,9%	30,6%
2x110 kV Torre 33 - Torre 17 C2	29,1%	29,6%	33,6%	33,1%	34,8%	34,1%	34,2%
2x220 kV Alto Jahuel - Los Almendros C1	18,3%	18,6%	21,9%	26,1%	0,0%	0,0%	0,0%
2x220 kV Alto Jahuel - Los Almendros C2	18,3%	18,6%	21,9%	26,1%	0,0%	0,0%	0,0%
2x220 kV Polpaico - El Manzano C1	33,9%	34,3%	36,3%	37,0%	37,3%	37,7%	38,8%
2x220 kV Polpaico - El Manzano C2	33,9%	34,4%	36,4%	37,1%	37,4%	37,8%	38,9%
2x220 kV Tap Chicureo - Chicureo C1	3,9%	3,9%	4,1%	4,2%	4,3%	4,4%	4,5%
2x220 kV Tap Chicureo - Chicureo C2	3,9%	3,9%	4,1%	4,2%	4,3%	4,4%	4,5%
2x220 kV Tap Chicureo - El Salto C1	32,8%	33,3%	35,2%	35,9%	36,2%	36,5%	37,6%
2x220 kV Tap Chicureo - El Salto C2	32,9%	33,4%	35,3%	36,0%	36,2%	36,6%	37,6%
2x220 kV Tap El Manzano - El Manzano C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - El Manzano C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - Tap Chicureo C1	33,9%	34,4%	36,4%	37,1%	37,3%	37,8%	38,9%
2x220 kV Tap El Manzano - Tap Chicureo C2	34,2%	34,7%	36,6%	37,4%	37,6%	38,1%	39,2%
2x44 kV Carena - Lo Prado C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Carena - Lo Prado C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Lo Prado - Curacaví C1	17,3%	17,5%	18,2%	18,6%	19,3%	19,6%	20,2%
2x44 kV Lo Prado - Curacaví C2	18,3%	18,6%	19,3%	19,3%	19,9%	20,2%	20,8%

Tabla 1-35. Cargabilidad de líneas de transmisión en escenario Invierno Día, zona Región Metropolitana.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Alfalfal - Maitenes	41,3%	42,2%	42,0%	43,5%	28,4%	29,0%	29,7%
1x110 kV Cerro Navia - Tap San Pablo	15,3%	15,6%	22,2%	22,7%	23,1%	23,7%	24,2%
1x110 kV Las Vegas - Santiago Solar	9,2%	9,5%	10,5%	10,0%	10,3%	11,0%	11,8%
1x110 kV Lo Aguirre - Lo Prado	16,8%	17,2%	17,7%	18,3%	18,8%	19,5%	20,2%
1x110 kV Lord Cochrane - Ochagavía	11,9%	12,1%	12,5%	12,9%	13,2%	13,7%	14,2%
1x110 kV Los Colorados - Tap Punta Peuco	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
1x110 kV Puente Alto - Costanera	26,9%	27,5%	57,5%	59,4%	52,7%	53,6%	54,6%
1x110 kV Quilicura - Tap Chacabuco	28,0%	28,6%	31,0%	31,1%	31,5%	32,6%	33,8%
1x110 kV Renca - Metro	11,4%	11,6%	11,9%	12,2%	12,5%	12,8%	13,2%
1x110 kV San Pablo - Lo Aguirre	24,2%	24,7%	25,5%	26,3%	27,1%	28,0%	29,1%
1x110 kV Tap La Laja - Tap Las Vizcachas	15,2%	15,6%	17,2%	17,6%	12,9%	13,2%	13,4%
1x110 kV Tap Lo Boza - Tap Quilicura	42,1%	43,1%	46,6%	47,1%	47,9%	49,4%	51,1%
1x110 kV Tap Punta Peuco - Las Vegas	17,0%	17,3%	19,5%	18,9%	19,3%	20,7%	22,2%
1x110 kV Tap Punta Peuco - Santiago Solar	9,2%	9,4%	10,6%	10,4%	10,6%	11,4%	12,2%
1x110 kV Tap Quilicura - Tap Chacabuco	29,7%	30,4%	30,4%	30,4%	30,8%	31,8%	32,9%
1x110 kV Tap San Pablo - San Pablo	10,5%	10,7%	11,0%	11,4%	11,7%	12,1%	12,5%
1x110 kV Vizcachas - Puente Alto	15,5%	15,8%	6,0%	6,4%	7,6%	7,4%	7,2%
1x110 kV Vizcachas - Tap La Laja	22,7%	23,2%	21,1%	21,7%	16,5%	16,7%	17,0%
1x220 kV Alfalfal - Tap Disputada Condes	14,5%	14,8%	15,6%	15,7%	20,5%	20,9%	21,3%
1x220 kV Alfalfal - Tap La Ermita	14,7%	15,0%	15,9%	16,0%	20,8%	21,2%	21,6%
1x220 kV Alto Jahuel - Buin	54,2%	55,5%	58,1%	61,0%	58,8%	60,7%	62,7%
1x220 kV Cerro Navia - Neptuno	18,1%	18,5%	19,9%	24,4%	23,3%	23,5%	24,0%
1x220 kV E95 - Neptuno	19,4%	19,9%	21,3%	26,0%	24,9%	25,0%	25,5%
1x220 kV E95B - Neptuno	18,4%	18,8%	20,3%	24,8%	23,8%	23,9%	24,5%
1x220 kV Neptuno - Chena	19,2%	19,6%	21,0%	25,6%	24,5%	24,6%	25,1%
1x220 kV Tap La Ermita - Los Almendros	13,9%	14,2%	15,0%	15,0%	20,0%	20,3%	20,6%
1x220 kV Tap Lampa - Lampa	10,6%	10,8%	11,1%	11,2%	11,5%	11,9%	12,2%

1x23 kV La Laja - Guayacán	13,9%	14,2%	14,2%	14,2%	14,2%	14,3%	14,3%
1x44 kV Punta Peuco - Principal Planta	35,4%	36,2%	37,1%	38,2%	39,2%	40,5%	41,8%
2x110 kV A. Córdova - Tap Apoquindo C1	15,7%	16,0%	16,8%	17,5%	20,5%	20,6%	20,8%
2x110 kV A. Córdova - Tap Apoquindo C2	5,5%	5,6%	6,1%	6,5%	9,2%	8,9%	8,6%
2x110 kV Alto Jahuel - Tap Buin C1	59,1%	60,4%	73,5%	76,1%	67,6%	69,6%	71,7%
2x110 kV Alto Jahuel - Tap Buin C1	47,8%	48,9%	46,9%	48,5%	41,3%	42,4%	43,7%
2x110 kV Alto Maipo - Maitenes C1	17,3%	17,7%	17,6%	18,2%	12,7%	13,0%	13,2%
2x110 kV Alto Maipo - Maitenes C2	17,3%	17,7%	17,6%	18,2%	12,7%	13,0%	13,2%
2x110 kV Andes - Tap La Reina C1	21,7%	22,2%	24,8%	26,0%	20,1%	20,6%	21,1%
2x110 kV Andes - Tap La Reina C2	44,1%	45,1%	45,2%	47,1%	0,4%	0,8%	1,2%
2x110 kV Apoquindo - Tap Los Domínicos C1	23,5%	24,0%	24,9%	25,8%	28,1%	28,8%	29,4%
2x110 kV Apoquindo - Tap Los Domínicos C2	19,3%	19,7%	20,5%	21,3%	23,4%	23,9%	24,4%
2x110 kV Bajo Cordillera - Tap La Laja C1	0,0%	0,0%	0,0%	0,0%	14,0%	14,2%	14,5%
2x110 kV Bajo Cordillera - Tap La Laja C2	0,0%	0,0%	0,0%	0,0%	13,6%	13,8%	14,1%
2x110 kV Buin - Tap Buin C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap Buin C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap La Pintana C1	59,2%	60,5%	54,7%	56,7%	50,0%	51,6%	53,2%
2x110 kV Buin - Tap La Pintana C2	47,9%	49,0%	47,0%	48,7%	41,4%	42,6%	43,8%
2x110 kV C. Navia - Tap Lo Boza C1	41,2%	42,1%	45,1%	45,8%	46,7%	48,2%	49,9%
2x110 kV C. Navia - Tap Lo Boza C2	39,0%	39,9%	42,2%	42,9%	43,8%	45,3%	46,9%
2x110 kV C. Navia - Tap Los Libertadores C1	18,9%	19,3%	18,9%	21,2%	21,7%	21,9%	22,1%
2x110 kV C. Navia - Tap Los Libertadores C2	15,2%	15,5%	15,0%	17,3%	17,6%	17,7%	17,7%
2x110 kV C. Navia - Tap Pudahuel C1	15,3%	15,6%	20,0%	20,0%	18,5%	19,5%	20,5%
2x110 kV C. Navia - Tap Pudahuel C2	19,3%	19,7%	19,2%	19,3%	17,9%	18,9%	20,0%
2x110 kV Cerro Navia - Tap Altamirano C1	22,3%	22,8%	23,5%	24,3%	25,0%	25,9%	26,8%
2x110 kV Cerro Navia - Tap Altamirano C2	22,3%	22,8%	23,4%	24,3%	25,0%	25,9%	26,8%
2x110 kV Chena - Lo Espejo C1	51,5%	52,6%	54,7%	55,7%	48,6%	50,6%	52,8%
2x110 kV Chena - Lo Espejo C2	36,8%	37,6%	39,2%	39,6%	32,0%	33,4%	35,0%
2x110 kV Chena - Tap Sta Marta C1	35,7%	36,5%	38,8%	40,9%	44,2%	45,5%	46,8%

2x110 kV Chena - Tap Sta Marta C2	33,2%	34,0%	36,2%	38,2%	41,5%	42,7%	43,9%
2x110 kV El Salto - San Cristobal C1	18,2%	18,7%	21,1%	22,4%	23,3%	24,1%	24,9%
2x110 kV El Salto - San Cristobal C2	16,5%	16,9%	19,9%	21,3%	22,2%	23,0%	23,8%
2x110 kV El Salto - Tap La Dehesa C1	23,2%	23,7%	24,2%	25,0%	24,2%	25,4%	26,7%
2x110 kV El Salto - Tap La Dehesa C2	22,5%	23,0%	23,5%	24,3%	23,6%	24,7%	26,0%
2x110 kV FFCC - Tap Cisterna C1	45,1%	46,1%	48,9%	50,3%	38,4%	40,0%	41,6%
2x110 kV FFCC - Tap Cisterna C2	51,4%	52,6%	55,6%	57,2%	45,5%	47,3%	49,2%
2x110 kV Florida - Tap La Reina C1	19,9%	20,3%	23,5%	24,2%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap La Reina C2	39,0%	39,9%	42,4%	43,8%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C1	15,2%	15,5%	17,2%	17,6%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C2	26,3%	26,9%	75,5%	77,2%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Sta Raquel 110 kV C1	24,4%	24,9%	21,2%	18,8%	31,8%	32,1%	32,5%
2x110 kV Florida - Tap Sta Raquel 110 kV C2	50,6%	51,7%	45,5%	46,5%	32,5%	32,3%	32,2%
2x110 kV L. Cochrane - Metro C2	9,6%	9,8%	10,1%	10,4%	10,7%	11,1%	11,4%
2x110 kV Las Acacias - San Bernardo C1	47,0%	48,1%	51,0%	54,2%	49,2%	50,5%	51,9%
2x110 kV Las Acacias - San Bernardo C2	56,6%	57,9%	61,2%	64,8%	60,1%	61,8%	63,7%
2x110 kV Lo Espejo - Panamericana C1	6,3%	6,4%	6,6%	6,8%	7,0%	7,3%	7,5%
2x110 kV Lo Espejo - Panamericana C2	6,6%	6,8%	7,0%	7,2%	7,4%	7,7%	8,0%
2x110 kV Lo Espejo - Tap Las Acacias C1	25,9%	26,5%	28,3%	30,3%	26,2%	26,4%	26,8%
2x110 kV Lo Espejo - Tap Las Acacias C2	49,2%	50,3%	53,3%	56,6%	51,7%	53,2%	54,7%
2x110 kV Los Almendros - T82 C1	22,4%	22,9%	24,7%	25,8%	0,8%	1,2%	1,5%
2x110 kV Los Almendros - T82 C2	40,2%	41,1%	44,1%	45,8%	20,3%	21,2%	22,2%
2x110 kV Metro - Lord Cochrane C1	30,9%	31,6%	32,5%	33,6%	34,4%	35,6%	36,9%
2x110 kV Metro - Lord Cochrane C2	11,4%	11,7%	12,0%	12,4%	12,8%	13,2%	13,6%
2x110 kV Ochagavía - Lo Espejo C1	45,1%	46,1%	48,9%	50,3%	38,4%	40,0%	41,6%
2x110 kV Ochagavía - Lo Espejo C2	51,4%	52,6%	55,6%	57,2%	45,5%	47,3%	49,2%
2x110 kV Ochagavía - Tap Club Hípico C1	27,5%	28,1%	31,4%	32,1%	20,2%	20,9%	21,8%
2x110 kV Ochagavía - Tap Club Hípico C2	43,2%	44,2%	45,7%	46,8%	35,1%	36,4%	37,8%
2x110 kV Renca - Tap Carrascal C1	13,6%	14,0%	14,4%	14,9%	15,3%	15,8%	16,4%

2x110 kV Renca - Tap Carrascal C2	10,0%	10,3%	10,6%	11,0%	11,3%	11,7%	12,1%
2x110 kV San Bernardo - Buin C1	38,5%	39,3%	41,1%	43,1%	41,9%	43,3%	44,7%
2x110 kV San Bernardo - Buin C2	29,4%	30,1%	31,6%	33,2%	31,7%	32,7%	33,7%
2x110 kV San Bernardo - Malloco C1	102,1%	104,4%	107,6%	111,5%	114,9%	119,2%	123,6%
2X110 kV San Joaquín - Tap San Joaquín C1	37,3%	38,1%	39,3%	40,7%	41,7%	43,3%	44,9%
2X110 kV San Joaquín - Tap San Joaquín C2	9,0%	9,2%	9,5%	9,8%	10,1%	10,4%	10,8%
2X110 kV San José - Tap San José C1	4,7%	4,8%	5,0%	5,2%	5,3%	5,5%	5,7%
2X110 kV San José - Tap San José C2	28,0%	28,6%	29,5%	30,7%	31,7%	33,1%	34,5%
2x110 kV T82 - Tap Andes C1	29,0%	29,6%	31,9%	33,3%	1,1%	1,5%	1,9%
2x110 kV T82 - Tap Andes C2	51,9%	53,1%	56,9%	59,2%	26,2%	27,4%	28,6%
2x110 kV Tap A. Córdova - A. Córdova C1	14,2%	14,5%	15,0%	15,5%	15,9%	16,5%	17,1%
2x110 kV Tap A. Córdova - A. Córdova C2	25,7%	26,3%	27,0%	28,0%	28,8%	29,8%	30,9%
2x110 kV Tap Altamirano - Altamirano C1	19,9%	20,4%	21,0%	21,7%	22,3%	23,1%	23,9%
2x110 kV Tap Altamirano - Altamirano C2	15,2%	15,5%	16,0%	16,5%	17,0%	17,6%	18,2%
2x110 kV Tap Altamirano - Renca C1	12,4%	12,6%	13,0%	13,5%	13,9%	14,4%	14,9%
2x110 kV Tap Altamirano - Renca C2	14,7%	15,0%	15,5%	16,0%	16,5%	17,1%	17,7%
2x110 kV Tap Andes - Andes C1	10,4%	10,7%	11,0%	11,3%	11,6%	12,0%	12,5%
2x110 kV Tap Andes - Andes C2	15,3%	15,6%	18,6%	19,2%	19,8%	20,5%	21,2%
2x110 kV Tap Apoquindo - Apoquindo C1	40,2%	41,1%	42,3%	43,8%	45,0%	46,7%	48,4%
2x110 kV Tap Apoquindo - Apoquindo C2	19,3%	19,8%	20,3%	21,1%	21,7%	22,5%	23,3%
2x110 kV Tap Apoquindo - Tap Los Domínicos C1	23,5%	24,0%	24,9%	25,8%	28,1%	28,8%	29,4%
2x110 kV Tap Apoquindo - Tap Los Domínicos C2	19,3%	19,7%	20,5%	21,3%	23,4%	23,9%	24,4%
2x110 kV Tap Batuco - Batuco C1	22,4%	22,9%	23,5%	24,2%	24,9%	25,8%	26,6%
2x110 kV Tap Batuco - Batuco C2	16,8%	17,2%	17,7%	18,2%	18,8%	19,5%	20,2%
2x110 kV Tap Batuco - Punta Peuco C1	16,4%	16,7%	18,6%	19,6%	19,9%	20,8%	21,8%
2x110 kV Tap Batuco - Punta Peuco C2	14,3%	14,6%	16,4%	17,8%	18,0%	18,9%	19,7%
2x110 kV Tap Bicentenario - Bicentenario C1	1,6%	1,6%	1,6%	1,7%	1,7%	1,8%	1,9%
2x110 kV Tap Bicentenario - Bicentenario C2	7,1%	7,3%	7,5%	7,7%	7,9%	8,2%	8,5%
2x110 kV Tap Bicentenario - Santa Marta C1	23,6%	24,1%	24,9%	25,7%	26,5%	27,4%	28,4%

2x110 kV Tap Bicentenario - Santa Marta C2	23,0%	23,5%	24,2%	25,1%	25,8%	26,8%	27,7%
2x110 kV Tap Carrascal - Brasil C1	13,0%	13,3%	13,7%	14,2%	14,6%	15,1%	15,7%
2x110 kV Tap Carrascal - Brasil C2	8,2%	8,4%	8,6%	8,9%	9,2%	9,5%	9,9%
2x110 kV Tap Carrascal - Carrascal C1	24,5%	25,0%	25,7%	26,6%	27,4%	28,4%	29,4%
2x110 kV Tap Carrascal - Carrascal C2	24,2%	24,7%	25,4%	26,3%	27,1%	28,1%	29,1%
2x110 kV Tap Chacabuco - Chacabuco C1	17,0%	17,4%	17,9%	18,6%	19,1%	19,8%	20,5%
2x110 kV Tap Chacabuco - Chacabuco C2	17,0%	17,4%	17,9%	18,5%	19,1%	19,8%	20,4%
2x110 kV Tap Chacabuco-Tap Recoleta C1	13,0%	13,3%	12,8%	12,2%	12,1%	12,4%	12,8%
2x110 kV Tap Chacabuco-Tap Recoleta C2	11,2%	11,4%	13,3%	12,8%	12,7%	13,1%	13,6%
2x110 kV Tap Cisterna - Cisterna C1	26,1%	26,7%	27,5%	28,4%	29,2%	30,3%	31,4%
2x110 kV Tap Cisterna - Cisterna C2	13,4%	13,7%	14,1%	14,5%	14,9%	15,5%	16,0%
2x110 kV Tap Cisterna - Lo Espejo C1	40,7%	41,6%	43,8%	45,1%	37,6%	39,1%	40,6%
2x110 kV Tap Cisterna - Lo Espejo C2	39,6%	40,4%	42,6%	43,9%	36,3%	37,8%	39,3%
2x110 kV Tap Club Hípico - Club Hípico C1	6,9%	7,1%	11,0%	11,3%	11,6%	12,0%	12,5%
2x110 kV Tap Club Hípico - Club Hípico C2	34,2%	35,0%	36,0%	37,3%	38,2%	39,6%	41,1%
2x110 kV Tap Club Hípico -Tap San Joaquín C1	24,4%	24,9%	25,7%	26,2%	13,5%	13,9%	14,5%
2x110 kV Tap Club Hípico -Tap San Joaquín C2	22,0%	22,5%	23,2%	23,5%	10,9%	11,2%	11,5%
2x110 kV Tap La Dehesa - La Dehesa C1	25,4%	25,9%	26,6%	27,5%	28,3%	29,3%	30,3%
2x110 kV Tap La Dehesa - La Dehesa C2	20,9%	21,4%	22,0%	22,7%	23,4%	24,2%	25,0%
2x110 kV Tap La Dehesa - Tap Vitacura C1	18,3%	18,7%	19,1%	19,7%	18,8%	19,8%	20,9%
2x110 kV Tap La Dehesa - Tap Vitacura C2	18,5%	18,9%	19,3%	20,0%	19,1%	20,1%	21,2%
2x110 kV Tap La Laja - Alto Maipo C1	16,0%	16,4%	17,8%	18,3%	12,7%	13,0%	13,3%
2x110 kV Tap La Laja - Alto Maipo C2	18,6%	19,0%	17,4%	18,0%	12,7%	13,0%	13,2%
2x110 kV Tap La Laja - La Laja C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap La Laja - La Laja C2	3,5%	3,6%	3,6%	3,6%	3,6%	3,6%	3,6%
2x110 kV Tap La Laja - Queltehues C1	9,9%	10,1%	12,4%	12,4%	12,1%	12,1%	12,2%
2x110 kV Tap La Laja - Queltehues C2	13,6%	14,0%	11,7%	11,8%	12,0%	12,1%	12,1%
2x110 kV Tap La Reina - Bajo Cordillera C1	0,0%	0,0%	0,0%	0,0%	66,5%	68,7%	70,9%
2x110 kV Tap La Reina - Bajo Cordillera C2	0,0%	0,0%	0,0%	0,0%	89,8%	92,9%	96,0%

2x110 kV Tap La Reina - La Reina C1	20,6%	21,1%	24,4%	25,2%	25,8%	26,7%	27,7%
2x110 kV Tap La Reina - La Reina C2	44,8%	45,8%	47,2%	48,9%	50,1%	51,9%	53,9%
2x110 kV Tap Las Acacias - Las Acacias C1	21,1%	21,6%	22,2%	23,0%	23,6%	24,4%	25,3%
2x110 kV Tap Las Acacias - Las Acacias C2	6,0%	6,2%	6,3%	6,6%	6,7%	7,0%	7,2%
2x110 kV Tap Libertadores - Tap Batuco C1	18,9%	19,3%	18,9%	21,2%	21,7%	21,9%	22,1%
2x110 kV Tap Libertadores - Tap Batuco C2	15,2%	15,5%	15,0%	17,3%	17,6%	17,7%	17,7%
2x110 kV Tap Lo Boza - Lo Boza C1	20,9%	21,4%	22,0%	22,7%	23,4%	24,2%	25,1%
2x110 kV Tap Lo Boza - Lo Boza C2	24,2%	24,7%	25,4%	26,3%	27,1%	28,0%	29,0%
2x110 kV Tap Lo Boza - Quilicura C2	36,9%	37,7%	40,4%	40,8%	41,5%	42,9%	44,5%
2x110 kV Tap Lo Valledor - Lo Valledor C1	13,3%	13,6%	14,0%	14,5%	14,9%	15,4%	15,9%
2x110 kV Tap Lo Valledor - Lo Valledor C2	65,0%	66,4%	68,4%	70,8%	72,9%	75,6%	78,3%
2x110 kV Tap Lo Valledor - Tap Maipú C1	20,7%	21,2%	23,0%	24,6%	27,4%	28,1%	28,8%
2x110 kV Tap Lo Valledor - Tap Maipú C2	13,2%	13,5%	15,1%	16,3%	19,0%	19,4%	19,8%
2x110 kV Tap Los Domínicos - Los Almendros C1	24,1%	24,6%	25,5%	26,4%	28,3%	29,1%	29,9%
2x110 kV Tap Los Domínicos - Los Almendros C2	17,6%	18,0%	18,6%	19,3%	21,0%	21,5%	22,0%
2x110 kV Tap Los Domínicos - Los Domínicos C1	45,4%	46,4%	47,8%	49,5%	50,9%	52,8%	54,8%
2x110 kV Tap Los Domínicos - Los Domínicos C2	22,7%	23,2%	23,9%	24,7%	25,4%	26,3%	27,3%
2x110 kV Tap Los Libertadores - Los Libertadores C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Los Libertadores - Los Libertadores C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Macul - Florida C1	18,2%	18,6%	21,3%	22,3%	32,3%	33,3%	34,3%
2x110 kV Tap Macul - Florida C2	25,9%	26,5%	29,3%	30,6%	40,6%	41,9%	43,1%
2x110 kV Tap Macul - Macul C1	15,3%	15,6%	20,5%	21,1%	21,4%	22,0%	22,6%
2x110 kV Tap Macul - Macul C2	39,0%	39,9%	45,3%	46,6%	47,2%	48,6%	50,0%
2x110 kV Tap Maipú - Tap Sta Marta C1	23,2%	23,7%	25,6%	27,3%	30,2%	31,0%	31,8%
2x110 kV Tap Maipú - Tap Sta Marta C2	18,2%	18,6%	20,4%	21,8%	24,6%	25,2%	25,8%
2x110 kV Tap Maipú - Tap Maipú C1	5,1%	5,3%	5,4%	5,6%	5,7%	5,9%	6,1%
2x110 kV Tap Maipú - Tap Maipú C2	10,1%	10,3%	10,6%	11,0%	11,3%	11,7%	12,1%
2x110 kV Tap Mariscal - Mariscal C1	24,7%	25,3%	26,1%	27,0%	27,7%	28,7%	29,7%
2x110 kV Tap Mariscal - Mariscal C2	6,5%	6,7%	6,9%	7,1%	7,3%	7,5%	7,8%

2x110 kV Tap Mariscal - Tap Pintana C1	49,6%	50,7%	44,6%	46,2%	39,5%	40,6%	41,8%
2x110 kV Tap Mariscal - Tap Pintana C2	43,6%	44,6%	42,4%	43,9%	36,6%	37,6%	38,6%
2x110 kV Tap Mariscal - Tap Santa Rosa C1	40,7%	41,6%	35,2%	36,4%	29,6%	30,3%	31,1%
2x110 kV Tap Mariscal - Tap Santa Rosa C2	41,3%	42,2%	39,9%	41,3%	34,1%	35,0%	35,9%
2x110 kV Tap Pajaritos - Pajaritos C1	31,0%	31,7%	32,7%	33,8%	34,8%	36,1%	37,4%
2x110 kV Tap Pajaritos - Pajaritos C2	22,5%	23,0%	23,7%	24,5%	25,3%	26,3%	27,3%
2x110 kV Tap Pajaritos - Tap Valledor C1	7,0%	7,2%	8,6%	9,7%	12,1%	12,3%	12,4%
2x110 kV Tap Pajaritos - Tap Valledor C2	10,4%	10,6%	12,1%	13,3%	15,8%	16,1%	16,4%
2x110 kV Tap Pintana - Pintana C1	23,2%	23,7%	24,5%	25,3%	25,9%	26,8%	27,7%
2x110 kV Tap Pintana - Pintana C2	10,4%	10,7%	11,0%	11,3%	11,6%	12,0%	12,4%
2x110 kV Tap Pudahuel - Pudahuel C1	8,9%	9,1%	19,6%	20,3%	20,8%	21,6%	22,3%
2x110 kV Tap Pudahuel - Pudahuel C2	9,5%	9,7%	10,0%	10,3%	10,6%	11,0%	11,4%
2x110 kV Tap Pudahuel - Tap San Jose C1	12,2%	12,4%	11,4%	11,1%	9,2%	9,8%	10,6%
2x110 kV Tap Pudahuel - Tap San Jose C2	16,4%	16,7%	16,0%	16,0%	14,3%	15,3%	16,3%
2x110 kV Tap Quilicura - Quilicura C1	18,3%	18,7%	23,9%	24,6%	25,2%	26,0%	26,8%
2x110 kV Tap Quilicura - Quilicura C2	13,1%	13,4%	13,8%	14,3%	14,7%	15,2%	15,8%
2x110 kV Tap Recoleta - Recoleta C1	39,5%	40,4%	41,2%	42,1%	42,9%	44,0%	45,1%
2x110 kV Tap Recoleta - Recoleta C2	19,3%	19,7%	30,6%	31,6%	32,6%	33,8%	35,0%
2x110 kV Tap Recoleta - San Cristobal C1	9,8%	10,0%	10,8%	11,6%	12,2%	12,4%	12,7%
2x110 kV Tap Recoleta - San Cristobal C2	1,9%	1,9%	5,4%	6,2%	6,9%	7,1%	7,4%
2x110 kV Tap San Bernardo - San Bernardo C1	67,6%	69,1%	71,2%	73,7%	75,9%	78,7%	81,7%
2x110 kV Tap San Bernardo - San Bernardo C2	25,9%	26,5%	27,3%	28,2%	29,0%	30,0%	31,0%
2x110 kV Tap San Joaquín - Tap Santa Elena C1	5,3%	5,4%	4,8%	5,8%	36,3%	37,2%	38,1%
2x110 kV Tap San Joaquín - Tap Santa Elena C2	33,8%	34,5%	35,7%	35,9%	10,8%	10,1%	9,8%
2x110 kV Tap San José - Tap Pajaritos C1	9,6%	9,8%	8,8%	8,4%	6,5%	7,0%	7,7%
2x110 kV Tap San José - Tap Pajaritos C2	1,4%	1,4%	1,5%	2,4%	4,4%	4,2%	4,1%
2x110 kV Tap Santa Marta - Tap Bicentenario C1	25,2%	25,7%	26,5%	27,4%	28,2%	29,2%	30,3%
2x110 kV Tap Santa Marta - Tap Bicentenario C2	30,1%	30,8%	31,7%	32,8%	33,7%	35,0%	36,2%
2x110 kV Tap Sta Elena - Sta Elena C1	18,3%	18,7%	19,3%	19,9%	20,4%	21,2%	21,9%

2x110 kV Tap Sta Elena - Sta Elena C2	34,4%	35,1%	36,2%	37,5%	38,4%	39,8%	41,3%
2x110 kV Tap Sta Elena - Tap Macul C1	15,4%	15,8%	16,1%	17,1%	31,5%	32,4%	33,4%
2x110 kV Tap Sta Elena - Tap Macul C2	9,4%	9,6%	9,7%	10,5%	24,7%	25,5%	26,3%
2x110 kV Tap Sta Raquel - Sta Raquel C1	27,4%	28,0%	28,9%	30,0%	30,7%	31,8%	33,0%
2x110 kV Tap Sta Raquel - Sta Raquel C2	17,7%	18,1%	18,6%	19,3%	19,7%	20,4%	21,2%
2x110 kV Tap Sta Raquel - Sta Rosa C1	56,7%	57,9%	43,6%	44,2%	32,4%	32,3%	32,2%
2x110 kV Tap Sta Raquel - Sta Rosa C2	76,0%	77,7%	72,3%	74,6%	59,1%	60,3%	61,5%
2x110 kV Tap Sta Rosa - Sta Rosa C1	32,4%	33,1%	34,2%	35,3%	36,1%	37,4%	38,7%
2x110 kV Tap Sta Rosa - Sta Rosa C2	14,6%	14,9%	15,4%	15,9%	16,2%	16,8%	17,4%
2x110 kV Tap Vitacura - Vitacura C1	32,8%	33,5%	34,5%	35,7%	36,8%	38,2%	39,6%
2x110 kV Tap Vitacura - Vitacura C1	32,8%	33,5%	34,5%	35,7%	36,8%	38,2%	39,6%
2x110 kV Tap Vitacura - Vitacura C2	34,5%	35,3%	36,3%	37,6%	38,7%	40,1%	41,6%
2x110 kV Tap Vitacura - Vitacura C2	34,6%	35,3%	36,3%	37,6%	38,7%	40,1%	41,6%
2x110 kV Tap Vitacura-Tap A. de Cordova C1	6,2%	6,4%	6,4%	6,6%	4,7%	5,1%	5,8%
2x110 kV Tap Vitacura-Tap A. de Cordova C2	5,9%	6,0%	6,1%	6,4%	5,1%	5,4%	5,8%
2x110 kV Torre 1 - San Cristobal C1	14,0%	14,3%	17,0%	17,7%	18,4%	19,2%	20,1%
2x110 kV Torre 1 - San Cristobal C2	24,9%	25,5%	24,1%	24,8%	25,4%	26,2%	27,1%
2x110 kV Torre 17 - Torre 1 C1	3,8%	3,8%	4,6%	4,8%	4,9%	5,2%	5,4%
2x110 kV Torre 17 - Torre 1 C2	6,8%	7,0%	6,6%	6,8%	6,9%	7,1%	7,4%
2x110 kV Torre 33 - Torre 1 C1	13,4%	13,8%	16,3%	17,0%	17,6%	18,4%	19,2%
2x110 kV Torre 33 - Torre 1 C2	23,6%	24,1%	22,8%	23,5%	24,1%	24,9%	25,7%
2x110 kV Torre 33 - Torre 17 C1	13,3%	13,6%	15,1%	16,2%	16,9%	17,4%	17,8%
2x110 kV Torre 33 - Torre 17 C2	8,3%	8,5%	11,9%	13,0%	13,7%	14,2%	14,7%
2x220 kV Alto Jahuel - Los Almendros C1	31,8%	32,5%	34,4%	36,4%	0,0%	0,0%	0,0%
2x220 kV Alto Jahuel - Los Almendros C2	31,8%	32,5%	34,4%	36,4%	0,0%	0,0%	0,0%
2x220 kV Polpaico - El Manzano C1	20,2%	20,7%	22,2%	23,2%	23,3%	24,2%	25,2%
2x220 kV Polpaico - El Manzano C2	20,2%	20,7%	22,2%	23,2%	23,3%	24,3%	25,3%
2x220 kV Tap Chicureo - Chicureo C1	3,4%	3,4%	3,5%	3,6%	3,7%	3,9%	4,0%
2x220 kV Tap Chicureo - Chicureo C2	3,4%	3,4%	3,5%	3,6%	3,7%	3,9%	4,0%

2x220 kV Tap Chicureo - El Salto C1	19,1%	19,5%	21,1%	22,0%	22,1%	23,0%	24,0%
2x220 kV Tap Chicureo - El Salto C2	19,1%	19,6%	21,1%	22,1%	22,1%	23,1%	24,1%
2x220 kV Tap El Manzano - El Manzano C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - El Manzano C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - Tap Chicureo C1	20,2%	20,7%	22,2%	23,2%	23,3%	24,3%	25,3%
2x220 kV Tap El Manzano - Tap Chicureo C2	20,3%	20,8%	22,3%	23,4%	23,5%	24,5%	25,5%
2x44 kV Carena - Lo Prado C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Carena - Lo Prado C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Lo Prado - Curacaví C1	19,8%	20,3%	20,9%	21,6%	22,3%	23,1%	24,0%
2x44 kV Lo Prado - Curacaví C2	12,1%	12,4%	12,7%	13,1%	13,5%	14,0%	14,5%

Tabla 1-36. Cargabilidad de líneas de transmisión en escenario Invierno Noche, zona Región Metropolitana.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Alfalfal - Maitenes	42,5%	43,5%	43,2%	44,8%	29,2%	29,9%	30,6%
1x110 kV Cerro Navia - Tap San Pablo	15,8%	16,1%	22,9%	23,4%	23,8%	24,4%	24,9%
1x110 kV Las Vegas - Santiago Solar	9,5%	9,7%	10,8%	10,3%	10,6%	11,4%	12,1%
1x110 kV Lo Aguirre - Lo Prado	17,3%	17,7%	18,2%	18,8%	19,4%	20,1%	20,8%
1x110 kV Lord Cochrane - Ochagavía	12,2%	12,5%	12,9%	13,3%	13,6%	14,1%	14,6%
1x110 kV Los Colorados - Tap Punta Peuco	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
1x110 kV Puente Alto - Costanera	27,7%	28,3%	59,2%	61,2%	54,3%	55,2%	56,3%
1x110 kV Quilicura - Tap Chacabuco	28,8%	29,5%	32,0%	32,1%	32,4%	33,6%	34,8%
1x110 kV Renca - Metro	11,7%	12,0%	12,2%	12,5%	12,8%	13,2%	13,6%
1x110 kV San Pablo - Lo Aguirre	24,9%	25,4%	26,2%	27,1%	27,9%	28,9%	29,9%
1x110 kV Tap La Laja - Tap Las Vizcachas	15,7%	16,0%	17,7%	18,1%	13,3%	13,6%	13,8%
1x110 kV Tap Lo Boza - Tap Quilicura	43,4%	44,3%	48,0%	48,5%	49,3%	50,9%	52,6%
1x110 kV Tap Punta Peuco - Las Vegas	17,5%	17,9%	20,1%	19,4%	19,9%	21,4%	22,8%
1x110 kV Tap Punta Peuco - Santiago Solar	9,5%	9,7%	10,9%	10,7%	10,9%	11,7%	12,5%
1x110 kV Tap Quilicura - Tap Chacabuco	30,6%	31,3%	31,3%	31,3%	31,7%	32,7%	33,9%
1x110 kV Tap San Pablo - San Pablo	10,8%	11,0%	11,3%	11,7%	12,0%	12,4%	12,9%

1x110 kV Vizcachas - Puente Alto	15,9%	16,3%	6,1%	6,6%	7,8%	7,6%	7,5%
1x110 kV Vizcachas - Tap La Laja	23,4%	23,9%	21,7%	22,3%	17,0%	17,2%	17,5%
1x220 kV Alfalfal - Tap Disputada Condes	14,9%	15,2%	16,1%	16,2%	21,2%	21,5%	21,9%
1x220 kV Alfalfal - Tap La Ermita	15,1%	15,5%	16,3%	16,5%	21,4%	21,8%	22,2%
1x220 kV Alto Jahuel - Buin	55,9%	57,1%	59,9%	62,8%	60,5%	62,5%	64,5%
1x220 kV Cerro Navia - Neptuno	18,6%	19,0%	20,5%	25,1%	24,0%	24,2%	24,7%
1x220 kV E95 - Neptuno	20,0%	20,5%	21,9%	26,7%	25,6%	25,7%	26,2%
1x220 kV E95B - Neptuno	19,0%	19,4%	20,9%	25,6%	24,5%	24,6%	25,2%
1x220 kV Neptuno - Chena	19,7%	20,2%	21,6%	26,4%	25,2%	25,4%	25,9%
1x220 kV Tap La Ermita - Los Almendros	14,3%	14,7%	15,4%	15,5%	20,6%	20,9%	21,2%
1x220 kV Tap Lampa - Lampa	10,9%	11,1%	11,4%	11,5%	11,8%	12,2%	12,6%
1x23 kV La Laja - Guayacán	14,3%	14,7%	14,6%	14,7%	14,7%	14,7%	14,8%
1x44 kV Punta Peuco - Principal Planta	36,4%	37,2%	38,2%	39,3%	40,4%	41,7%	43,1%
2x110 kV A. Córdova - Tap Apoquindo C1	16,2%	16,5%	17,3%	18,0%	21,1%	21,2%	21,4%
2x110 kV A. Córdova - Tap Apoquindo C2	5,6%	5,8%	6,3%	6,7%	9,5%	9,2%	8,8%
2x110 kV Alto Jahuel - Tap Buin C1	60,8%	62,2%	75,7%	78,4%	69,6%	71,7%	73,9%
2x110 kV Alto Jahuel - Tap Buin C1	49,3%	50,4%	48,3%	50,0%	42,5%	43,7%	45,0%
2x110 kV Alto Maipo - Maitenes C1	17,8%	18,2%	18,1%	18,7%	13,1%	13,4%	13,6%
2x110 kV Alto Maipo - Maitenes C2	17,8%	18,2%	18,1%	18,7%	13,1%	13,4%	13,6%
2x110 kV Andes - Tap La Reina C1	22,4%	22,9%	25,5%	26,8%	20,7%	21,2%	21,7%
2x110 kV Andes - Tap La Reina C2	45,4%	46,4%	46,6%	48,6%	0,4%	0,8%	1,3%
2x110 kV Apoquindo - Tap Los Domínicos C1	24,2%	24,7%	25,6%	26,6%	29,0%	29,6%	30,3%
2x110 kV Apoquindo - Tap Los Domínicos C2	19,9%	20,3%	21,1%	21,9%	24,1%	24,6%	25,1%
2x110 kV Bajo Cordillera - Tap La Laja C1	0,0%	0,0%	0,0%	0,0%	14,4%	14,7%	14,9%
2x110 kV Bajo Cordillera - Tap La Laja C2	0,0%	0,0%	0,0%	0,0%	14,0%	14,2%	14,5%
2x110 kV Buin - Tap Buin C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap Buin C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Buin - Tap La Pintana C1	60,9%	62,3%	56,3%	58,4%	51,5%	53,1%	54,8%
2x110 kV Buin - Tap La Pintana C2	49,4%	50,5%	48,4%	50,1%	42,6%	43,8%	45,1%

2x110 kV C. Navia - Tap Lo Boza C1	42,4%	43,4%	46,4%	47,2%	48,1%	49,7%	51,4%
2x110 kV C. Navia - Tap Lo Boza C2	40,2%	41,1%	43,5%	44,2%	45,1%	46,7%	48,3%
2x110 kV C. Navia - Tap Los Libertadores C1	19,5%	19,9%	19,4%	21,9%	22,4%	22,6%	22,8%
2x110 kV C. Navia - Tap Los Libertadores C2	15,6%	16,0%	15,5%	17,8%	18,2%	18,2%	18,2%
2x110 kV C. Navia - Tap Pudahuel C1	15,8%	16,1%	20,6%	20,6%	19,1%	20,1%	21,1%
2x110 kV C. Navia - Tap Pudahuel C2	19,9%	20,3%	19,7%	19,9%	18,4%	19,5%	20,6%
2x110 kV Cerro Navia - Tap Altamirano C1	23,0%	23,5%	24,2%	25,0%	25,8%	26,7%	27,7%
2x110 kV Cerro Navia - Tap Altamirano C2	22,9%	23,5%	24,1%	25,0%	25,7%	26,6%	27,6%
2x110 kV Chena - Lo Espejo C1	53,0%	54,2%	56,3%	57,4%	50,1%	52,1%	54,4%
2x110 kV Chena - Lo Espejo C2	37,9%	38,7%	40,4%	40,8%	33,0%	34,4%	36,0%
2x110 kV Chena - Tap Sta Marta C1	36,8%	37,6%	40,0%	42,1%	45,6%	46,9%	48,2%
2x110 kV Chena - Tap Sta Marta C2	34,2%	35,0%	37,3%	39,3%	42,7%	43,9%	45,2%
2x110 kV El Salto - San Cristobal C1	18,8%	19,2%	21,7%	23,1%	24,0%	24,8%	25,6%
2x110 kV El Salto - San Cristobal C2	17,0%	17,4%	20,5%	21,9%	22,9%	23,7%	24,5%
2x110 kV El Salto - Tap La Dehesa C1	23,9%	24,4%	24,9%	25,8%	24,9%	26,2%	27,5%
2x110 kV El Salto - Tap La Dehesa C2	23,2%	23,7%	24,2%	25,0%	24,3%	25,5%	26,7%
2x110 kV FFCC - Tap Cisterna C1	46,5%	47,5%	50,4%	51,8%	39,5%	41,2%	42,9%
2x110 kV FFCC - Tap Cisterna C2	53,0%	54,2%	57,3%	58,9%	46,8%	48,7%	50,7%
2x110 kV Florida - Tap La Reina C1	20,5%	20,9%	24,2%	24,9%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap La Reina C2	40,2%	41,1%	43,7%	45,1%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C1	15,7%	16,0%	17,7%	18,1%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Las Vizcachas C2	27,1%	27,7%	77,8%	79,5%	0,0%	0,0%	0,0%
2x110 kV Florida - Tap Sta Raquel 110 kV C1	25,1%	25,7%	21,8%	19,3%	32,8%	33,1%	33,4%
2x110 kV Florida - Tap Sta Raquel 110 kV C2	52,1%	53,3%	46,9%	47,9%	33,5%	33,3%	33,1%
2x110 kV L. Cochrane - Metro C2	9,9%	10,1%	10,4%	10,7%	11,0%	11,4%	11,8%
2x110 kV Las Acacias - San Bernardo C1	48,4%	49,5%	52,6%	55,8%	50,7%	52,0%	53,4%
2x110 kV Las Acacias - San Bernardo C2	58,3%	59,6%	63,1%	66,7%	61,9%	63,7%	65,6%
2x110 kV Lo Espejo - Panamericana C1	6,5%	6,6%	6,8%	7,0%	7,2%	7,5%	7,7%
2x110 kV Lo Espejo - Panamericana C2	6,8%	7,0%	7,2%	7,4%	7,6%	7,9%	8,2%

2x110 kV Lo Espejo - Tap Las Acacias C1	26,7%	27,3%	29,2%	31,2%	27,0%	27,2%	27,6%
2x110 kV Lo Espejo - Tap Las Acacias C2	50,6%	51,8%	54,9%	58,3%	53,3%	54,7%	56,3%
2x110 kV Los Almendros - T82 C1	23,1%	23,6%	25,5%	26,5%	0,9%	1,2%	1,6%
2x110 kV Los Almendros - T82 C2	41,4%	42,3%	45,4%	47,2%	20,9%	21,8%	22,8%
2x110 kV Metro - Lord Cochrane C1	31,8%	32,5%	33,4%	34,6%	35,5%	36,7%	38,0%
2x110 kV Metro - Lord Cochrane C2	11,7%	12,0%	12,4%	12,8%	13,1%	13,6%	14,0%
2x110 kV Ochagavía - Lo Espejo C1	46,5%	47,5%	50,4%	51,8%	39,5%	41,2%	42,9%
2x110 kV Ochagavía - Lo Espejo C2	53,0%	54,2%	57,3%	58,9%	46,8%	48,7%	50,7%
2x110 kV Ochagavía - Tap Club Hípico C1	28,3%	28,9%	32,4%	33,1%	20,8%	21,5%	22,4%
2x110 kV Ochagavía - Tap Club Hípico C2	44,5%	45,5%	47,0%	48,2%	36,2%	37,5%	39,0%
2x110 kV Renca - Tap Carrascal C1	14,1%	14,4%	14,8%	15,3%	15,8%	16,3%	16,9%
2x110 kV Renca - Tap Carrascal C2	10,3%	10,6%	10,9%	11,3%	11,6%	12,0%	12,5%
2x110 kV San Bernardo - Buin C1	39,6%	40,5%	42,4%	44,4%	43,1%	44,6%	46,1%
2x110 kV San Bernardo - Buin C2	30,3%	31,0%	32,5%	34,2%	32,6%	33,6%	34,7%
2x110 kV San Bernardo - Malloco C1	105,2%	107,6%	110,8%	114,8%	118,3%	122,7%	127,3%
2X110 kV San Joaquín - Tap San Joaquín C1	38,4%	39,3%	40,5%	41,9%	43,0%	44,5%	46,2%
2X110 kV San Joaquín - Tap San Joaquín C2	9,3%	9,5%	9,8%	10,1%	10,4%	10,7%	11,1%
2X110 kV San José - Tap San José C1	4,9%	5,0%	5,1%	5,3%	5,5%	5,7%	5,8%
2X110 kV San José - Tap San José C2	28,8%	29,4%	30,4%	31,6%	32,7%	34,1%	35,5%
2x110 kV T82 - Tap Andes C1	29,8%	30,5%	32,9%	34,3%	1,1%	1,5%	2,0%
2x110 kV T82 - Tap Andes C2	53,4%	54,7%	58,6%	60,9%	27,0%	28,2%	29,5%
2x110 kV Tap A. Córdova - A. Córdova C1	14,7%	15,0%	15,4%	16,0%	16,4%	17,0%	17,6%
2x110 kV Tap A. Córdova - A. Córdova C2	26,5%	27,1%	27,8%	28,8%	29,7%	30,7%	31,8%
2x110 kV Tap Altamirano - Altamirano C1	20,5%	21,0%	21,6%	22,3%	23,0%	23,8%	24,6%
2x110 kV Tap Altamirano - Altamirano C2	15,6%	16,0%	16,5%	17,0%	17,5%	18,1%	18,7%
2x110 kV Tap Altamirano - Renca C1	12,7%	13,0%	13,4%	13,9%	14,3%	14,8%	15,4%
2x110 kV Tap Altamirano - Renca C2	15,1%	15,5%	15,9%	16,5%	17,0%	17,6%	18,2%
2x110 kV Tap Andes - Andes C1	10,7%	11,0%	11,3%	11,7%	12,0%	12,4%	12,8%
2x110 kV Tap Andes - Andes C2	15,7%	16,1%	19,1%	19,8%	20,3%	21,1%	21,9%

2x110 kV Tap Apoquindo - Apoquindo C1	41,4%	42,3%	43,6%	45,1%	46,4%	48,1%	49,8%
2x110 kV Tap Apoquindo - Apoquindo C2	19,9%	20,3%	20,9%	21,7%	22,3%	23,1%	24,0%
2x110 kV Tap Apoquindo - Tap Los Domínicos C1	24,2%	24,7%	25,6%	26,6%	29,0%	29,6%	30,3%
2x110 kV Tap Apoquindo - Tap Los Domínicos C2	19,9%	20,3%	21,1%	21,9%	24,1%	24,6%	25,1%
2x110 kV Tap Batuco - Batuco C1	23,0%	23,5%	24,2%	24,9%	25,7%	26,5%	27,4%
2x110 kV Tap Batuco - Batuco C2	17,3%	17,7%	18,2%	18,8%	19,4%	20,1%	20,8%
2x110 kV Tap Batuco - Punta Peuco C1	16,8%	17,2%	19,2%	20,2%	20,5%	21,4%	22,4%
2x110 kV Tap Batuco - Punta Peuco C2	14,7%	15,0%	16,9%	18,3%	18,6%	19,4%	20,3%
2x110 kV Tap Bicentenario - Bicentenario C1	1,6%	1,6%	1,7%	1,7%	1,8%	1,8%	1,9%
2x110 kV Tap Bicentenario - Bicentenario C2	7,3%	7,5%	7,7%	8,0%	8,2%	8,5%	8,8%
2x110 kV Tap Bicentenario - Santa Marta C1	24,3%	24,9%	25,6%	26,5%	27,3%	28,2%	29,3%
2x110 kV Tap Bicentenario - Santa Marta C2	23,7%	24,2%	25,0%	25,8%	26,6%	27,6%	28,6%
2x110 kV Tap Carrascal - Brasil C1	13,4%	13,7%	14,1%	14,6%	15,0%	15,6%	16,1%
2x110 kV Tap Carrascal - Brasil C2	8,4%	8,6%	8,9%	9,2%	9,5%	9,8%	10,2%
2x110 kV Tap Carrascal - Carrascal C1	25,2%	25,8%	26,5%	27,4%	28,2%	29,2%	30,2%
2x110 kV Tap Carrascal - Carrascal C2	24,9%	25,5%	26,2%	27,1%	27,9%	28,9%	30,0%
2x110 kV Tap Chacabuco - Chacabuco C1	17,5%	17,9%	18,5%	19,1%	19,7%	20,4%	21,1%
2x110 kV Tap Chacabuco - Chacabuco C2	17,5%	17,9%	18,5%	19,1%	19,6%	20,3%	21,1%
2x110 kV Tap Chacabuco-Tap Recoleta C1	13,4%	13,7%	13,2%	12,6%	12,4%	12,8%	13,2%
2x110 kV Tap Chacabuco-Tap Recoleta C2	11,5%	11,8%	13,7%	13,2%	13,0%	13,4%	14,0%
2x110 kV Tap Cisterna - Cisterna C1	26,9%	27,5%	28,3%	29,3%	30,1%	31,2%	32,3%
2x110 kV Tap Cisterna - Cisterna C2	13,8%	14,1%	14,5%	15,0%	15,4%	15,9%	16,5%
2x110 kV Tap Cisterna - Lo Espejo C1	41,9%	42,9%	45,1%	46,4%	38,7%	40,3%	41,9%
2x110 kV Tap Cisterna - Lo Espejo C2	40,7%	41,7%	43,9%	45,2%	37,4%	38,9%	40,4%
2x110 kV Tap Club Hípico - Club Hípico C1	7,1%	7,3%	11,3%	11,7%	12,0%	12,4%	12,8%
2x110 kV Tap Club Hípico - Club Hípico C2	35,2%	36,0%	37,1%	38,4%	39,4%	40,8%	42,3%
2x110 kV Tap Club Hípico -Tap San Joaquín C1	25,1%	25,7%	26,5%	27,0%	13,9%	14,3%	14,9%
2x110 kV Tap Club Hípico -Tap San Joaquín C2	22,6%	23,1%	23,9%	24,2%	11,3%	11,5%	11,9%
2x110 kV Tap La Dehesa - La Dehesa C1	26,1%	26,7%	27,4%	28,4%	29,2%	30,2%	31,2%

2x110 kV Tap La Dehesa - La Dehesa C2	21,5%	22,0%	22,6%	23,4%	24,1%	24,9%	25,8%
2x110 kV Tap La Dehesa - Tap Vitacura C1	18,9%	19,3%	19,7%	20,3%	19,4%	20,4%	21,5%
2x110 kV Tap La Dehesa - Tap Vitacura C2	19,1%	19,5%	19,9%	20,6%	19,7%	20,7%	21,8%
2x110 kV Tap La Laja - Alto Maipo C1	16,5%	16,9%	18,3%	18,9%	13,1%	13,4%	13,7%
2x110 kV Tap La Laja - Alto Maipo C2	19,1%	19,6%	18,0%	18,6%	13,1%	13,3%	13,6%
2x110 kV Tap La Laja - La Laja C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap La Laja - La Laja C2	3,6%	3,7%	3,7%	3,7%	3,7%	3,7%	3,7%
2x110 kV Tap La Laja - Queltehues C1	10,1%	10,4%	12,7%	12,7%	12,4%	12,5%	12,5%
2x110 kV Tap La Laja - Queltehues C2	14,1%	14,4%	12,1%	12,1%	12,4%	12,4%	12,5%
2x110 kV Tap La Reina - Bajo Cordillera C1	0,0%	0,0%	0,0%	0,0%	68,5%	70,7%	73,0%
2x110 kV Tap La Reina - Bajo Cordillera C2	0,0%	0,0%	0,0%	0,0%	92,5%	95,6%	98,9%
2x110 kV Tap La Reina - La Reina C1	21,3%	21,7%	25,1%	25,9%	26,6%	27,5%	28,5%
2x110 kV Tap La Reina - La Reina C2	46,2%	47,2%	48,6%	50,4%	51,6%	53,5%	55,5%
2x110 kV Tap Las Acacias - Las Acacias C1	21,7%	22,2%	22,9%	23,6%	24,3%	25,2%	26,1%
2x110 kV Tap Las Acacias - Las Acacias C2	6,2%	6,4%	6,5%	6,7%	6,9%	7,2%	7,4%
2x110 kV Tap Libertadores - Tap Batuco C1	19,5%	19,9%	19,4%	21,9%	22,4%	22,6%	22,8%
2x110 kV Tap Libertadores - Tap Batuco C2	15,6%	16,0%	15,5%	17,8%	18,2%	18,2%	18,2%
2x110 kV Tap Lo Boza - Lo Boza C1	21,5%	22,0%	22,6%	23,4%	24,1%	25,0%	25,8%
2x110 kV Tap Lo Boza - Lo Boza C2	24,9%	25,5%	26,2%	27,1%	27,9%	28,9%	29,9%
2x110 kV Tap Lo Boza - Quilicura C2	38,0%	38,8%	41,6%	42,0%	42,7%	44,2%	45,8%
2x110 kV Tap Lo Valledor - Lo Valledor C1	13,7%	14,0%	14,4%	14,9%	15,3%	15,9%	16,4%
2x110 kV Tap Lo Valledor - Lo Valledor C2	66,9%	68,4%	70,5%	73,0%	75,1%	77,8%	80,7%
2x110 kV Tap Lo Valledor - Tap Maipú C1	21,3%	21,8%	23,7%	25,3%	28,3%	29,0%	29,7%
2x110 kV Tap Lo Valledor - Tap Maipú C2	13,6%	13,9%	15,5%	16,8%	19,5%	20,0%	20,4%
2x110 kV Tap Los Domínicos - Los Almendros C1	24,8%	25,4%	26,2%	27,2%	29,2%	30,0%	30,8%
2x110 kV Tap Los Domínicos - Los Almendros C2	18,1%	18,5%	19,2%	19,9%	21,6%	22,1%	22,7%
2x110 kV Tap Los Domínicos - Los Domínicos C1	46,7%	47,8%	49,2%	50,9%	52,5%	54,4%	56,4%
2x110 kV Tap Los Domínicos - Los Domínicos C2	23,4%	23,9%	24,6%	25,4%	26,2%	27,1%	28,1%
2x110 kV Tap Los Libertadores - Los Libertadores C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%

2x110 kV Tap Los Libertadores - Los Libertadores C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x110 kV Tap Macul - Florida C1	18,8%	19,2%	22,0%	23,0%	33,3%	34,3%	35,4%
2x110 kV Tap Macul - Florida C2	26,7%	27,3%	30,2%	31,5%	41,9%	43,1%	44,4%
2x110 kV Tap Macul - Macul C1	15,7%	16,1%	21,1%	21,7%	22,0%	22,6%	23,2%
2x110 kV Tap Macul - Macul C2	40,2%	41,1%	46,7%	48,0%	48,7%	50,1%	51,5%
2x110 kV Tap Maipú - Tap Sta Marta C1	23,9%	24,4%	26,4%	28,1%	31,1%	31,9%	32,7%
2x110 kV Tap Maipú - Tap Sta Marta C2	18,7%	19,2%	21,0%	22,5%	25,3%	26,0%	26,6%
2x110 kV Tap Maipú - Tap Maipú C1	5,3%	5,4%	5,6%	5,8%	5,9%	6,1%	6,3%
2x110 kV Tap Maipú - Tap Maipú C2	10,4%	10,6%	10,9%	11,3%	11,6%	12,0%	12,4%
2x110 kV Tap Mariscal - Mariscal C1	25,5%	26,0%	26,9%	27,9%	28,5%	29,5%	30,6%
2x110 kV Tap Mariscal - Mariscal C2	6,7%	6,9%	7,1%	7,3%	7,5%	7,7%	8,0%
2x110 kV Tap Mariscal - Tap Pintana C1	51,1%	52,2%	45,9%	47,6%	40,7%	41,8%	43,0%
2x110 kV Tap Mariscal - Tap Pintana C2	44,9%	45,9%	43,7%	45,2%	37,7%	38,7%	39,8%
2x110 kV Tap Mariscal - Tap Santa Rosa C1	41,9%	42,8%	36,2%	37,4%	30,5%	31,2%	32,0%
2x110 kV Tap Mariscal - Tap Santa Rosa C2	42,5%	43,5%	41,1%	42,6%	35,1%	36,0%	36,9%
2x110 kV Tap Pajaritos - Pajaritos C1	31,9%	32,7%	33,6%	34,8%	35,8%	37,2%	38,5%
2x110 kV Tap Pajaritos - Pajaritos C2	23,1%	23,6%	24,4%	25,3%	26,1%	27,1%	28,1%
2x110 kV Tap Pajaritos - Tap Valledor C1	7,2%	7,4%	8,9%	10,0%	12,5%	12,6%	12,8%
2x110 kV Tap Pajaritos - Tap Valledor C2	10,7%	10,9%	12,5%	13,7%	16,3%	16,6%	16,9%
2x110 kV Tap Pintana - Pintana C1	23,9%	24,4%	25,2%	26,1%	26,7%	27,6%	28,5%
2x110 kV Tap Pintana - Pintana C2	10,7%	11,0%	11,3%	11,7%	12,0%	12,4%	12,8%
2x110 kV Tap Pudahuel - Pudahuel C1	9,1%	9,4%	20,2%	20,9%	21,5%	22,2%	23,0%
2x110 kV Tap Pudahuel - Pudahuel C2	9,8%	10,0%	10,3%	10,6%	11,0%	11,3%	11,7%
2x110 kV Tap Pudahuel - Tap San Jose C1	12,5%	12,8%	11,8%	11,5%	9,4%	10,1%	10,9%
2x110 kV Tap Pudahuel - Tap San Jose C2	16,8%	17,2%	16,5%	16,5%	14,8%	15,7%	16,8%
2x110 kV Tap Quilicura - Quilicura C1	18,8%	19,3%	24,6%	25,4%	26,0%	26,8%	27,6%
2x110 kV Tap Quilicura - Quilicura C2	13,5%	13,8%	14,2%	14,7%	15,1%	15,7%	16,2%
2x110 kV Tap Recoleta - Recoleta C1	40,7%	41,6%	42,5%	43,4%	44,2%	45,3%	46,4%
2x110 kV Tap Recoleta - Recoleta C2	19,8%	20,3%	31,5%	32,6%	33,5%	34,8%	36,1%

2x110 kV Tap Recoleta - San Cristobal C1	10,0%	10,3%	11,1%	12,0%	12,5%	12,8%	13,0%
2x110 kV Tap Recoleta - San Cristobal C2	1,9%	2,0%	5,5%	6,4%	7,1%	7,3%	7,6%
2x110 kV Tap San Bernardo - San Bernardo C1	69,6%	71,2%	73,3%	75,9%	78,2%	81,1%	84,1%
2x110 kV Tap San Bernardo - San Bernardo C2	26,7%	27,3%	28,1%	29,0%	29,8%	30,9%	31,9%
2x110 kV Tap San Joaquín - Tap Santa Elena C1	5,5%	5,6%	5,0%	6,0%	37,4%	38,3%	39,2%
2x110 kV Tap San Joaquín - Tap Santa Elena C2	34,8%	35,5%	36,8%	37,0%	11,1%	10,4%	10,1%
2x110 kV Tap San José - Tap Pajaritos C1	9,9%	10,1%	9,0%	8,7%	6,7%	7,2%	7,9%
2x110 kV Tap San José - Tap Pajaritos C2	1,4%	1,5%	1,5%	2,5%	4,5%	4,3%	4,2%
2x110 kV Tap Santa Marta - Tap Bicentenario C1	25,9%	26,5%	27,3%	28,2%	29,0%	30,1%	31,2%
2x110 kV Tap Santa Marta - Tap Bicentenario C2	31,0%	31,7%	32,6%	33,8%	34,7%	36,0%	37,3%
2x110 kV Tap Sta Elena - Sta Elena C1	18,8%	19,3%	19,8%	20,5%	21,0%	21,8%	22,6%
2x110 kV Tap Sta Elena - Sta Elena C2	35,4%	36,2%	37,3%	38,6%	39,6%	41,0%	42,6%
2x110 kV Tap Sta Elena - Tap Macul C1	15,9%	16,3%	16,6%	17,6%	32,4%	33,4%	34,4%
2x110 kV Tap Sta Elena - Tap Macul C2	9,7%	9,9%	10,0%	10,8%	25,5%	26,3%	27,1%
2x110 kV Tap Sta Raquel - Sta Raquel C1	28,2%	28,8%	29,8%	30,9%	31,6%	32,8%	34,0%
2x110 kV Tap Sta Raquel - Sta Raquel C2	18,2%	18,6%	19,2%	19,9%	20,3%	21,1%	21,8%
2x110 kV Tap Sta Raquel - Sta Rosa C1	58,4%	59,7%	44,9%	45,5%	33,3%	33,2%	33,1%
2x110 kV Tap Sta Raquel - Sta Rosa C2	78,3%	80,1%	74,4%	76,8%	60,9%	62,1%	63,4%
2x110 kV Tap Sta Rosa - Sta Rosa C1	33,4%	34,1%	35,2%	36,4%	37,2%	38,5%	39,8%
2x110 kV Tap Sta Rosa - Sta Rosa C2	15,1%	15,4%	15,8%	16,4%	16,7%	17,3%	17,9%
2x110 kV Tap Vitacura - Vitacura C1	33,8%	34,5%	35,5%	36,8%	37,9%	39,3%	40,7%
2x110 kV Tap Vitacura - Vitacura C1	33,8%	34,6%	35,5%	36,8%	37,9%	39,3%	40,8%
2x110 kV Tap Vitacura - Vitacura C2	35,6%	36,4%	37,4%	38,7%	39,9%	41,3%	42,8%
2x110 kV Tap Vitacura - Vitacura C2	35,6%	36,4%	37,4%	38,7%	39,9%	41,3%	42,8%
2x110 kV Tap Vitacura-Tap A. de Cordova C1	6,4%	6,6%	6,6%	6,8%	4,8%	5,3%	6,0%
2x110 kV Tap Vitacura-Tap A. de Cordova C2	6,1%	6,2%	6,3%	6,6%	5,3%	5,6%	6,0%
2x110 kV Torre 1 - San Cristobal C1	14,4%	14,8%	17,5%	18,2%	18,9%	19,8%	20,7%
2x110 kV Torre 1 - San Cristobal C2	25,7%	26,3%	24,8%	25,5%	26,2%	27,0%	27,9%
2x110 kV Torre 17 - Torre 1 C1	3,9%	4,0%	4,7%	4,9%	5,1%	5,3%	5,6%

2x110 kV Torre 17 - Torre 1 C2	7,0%	7,2%	6,8%	7,0%	7,1%	7,4%	7,6%
2x110 kV Torre 33 - Torre 1 C1	13,9%	14,2%	16,8%	17,5%	18,2%	19,0%	19,8%
2x110 kV Torre 33 - Torre 1 C2	24,3%	24,8%	23,5%	24,2%	24,8%	25,6%	26,4%
2x110 kV Torre 33 - Torre 17 C1	13,7%	14,0%	15,6%	16,6%	17,4%	17,9%	18,3%
2x110 kV Torre 33 - Torre 17 C2	8,5%	8,7%	12,2%	13,3%	14,2%	14,6%	15,1%
2x220 kV Alto Jahuel - Los Almendros C1	32,8%	33,5%	35,4%	37,5%	0,0%	0,0%	0,0%
2x220 kV Alto Jahuel - Los Almendros C2	32,8%	33,5%	35,4%	37,5%	0,0%	0,0%	0,0%
2x220 kV Polpaico - El Manzano C1	20,8%	21,3%	22,8%	23,9%	24,0%	25,0%	26,0%
2x220 kV Polpaico - El Manzano C2	20,8%	21,3%	22,9%	23,9%	24,0%	25,0%	26,0%
2x220 kV Tap Chicureo - Chicureo C1	3,5%	3,5%	3,6%	3,7%	3,8%	4,0%	4,1%
2x220 kV Tap Chicureo - Chicureo C2	3,5%	3,5%	3,6%	3,7%	3,8%	4,0%	4,1%
2x220 kV Tap Chicureo - El Salto C1	19,7%	20,1%	21,7%	22,7%	22,8%	23,7%	24,7%
2x220 kV Tap Chicureo - El Salto C2	19,7%	20,1%	21,7%	22,7%	22,8%	23,8%	24,8%
2x220 kV Tap El Manzano - El Manzano C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - El Manzano C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x220 kV Tap El Manzano - Tap Chicureo C1	20,8%	21,3%	22,9%	23,9%	24,0%	25,0%	26,0%
2x220 kV Tap El Manzano - Tap Chicureo C2	21,0%	21,4%	23,0%	24,1%	24,2%	25,2%	26,2%
2x44 kV Carena - Lo Prado C1	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Carena - Lo Prado C2	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
2x44 kV Lo Prado - Curacaví C1	20,4%	20,9%	21,5%	22,3%	23,0%	23,8%	24,7%
2x44 kV Lo Prado - Curacaví C2	12,5%	12,8%	13,1%	13,5%	13,9%	14,4%	14,9%

1.5 ZONA ALTO JAHUEL – CHARRÚA

1.5.1 TRANSFORMADORES AT/MT

Tabla 1-37. Cargabilidad de transformadores AT/MT, zona Alto Jahuel - Charrúa.

Transformador	2020	2021	2022	2023	2024	2025	2026
ALAMEDA 66/15 kV 25 MVA T1	83%	87%	50%	50%	50%	50%	50%
ALAMEDA 66/15 kV 25 MVA T2	90%	95%	50%	50%	50%	50%	50%
ALAMEDA 66/15 kV 40 MVA T3	0%	0%	55%	59%	63%	67%	72%
ALCONES 66/13,8 kV 10 MVA T1	92%	97%	80%	80%	80%	80%	80%
ALCONES 66/MT 15 MVA T2	0%	0%	14%	16%	18%	21%	24%
ALHUE 66/25 kV 20 MVA T1	60%	61%	62%	62%	63%	64%	64%
BOLLENAR 110/13,8 kV 20 MVA T1	54%	57%	59%	61%	64%	66%	69%
BUIN 66/15 kV 30 MVA T1	65%	68%	69%	71%	73%	75%	77%
BUIN 66/15 kV 30 MVA T2	65%	67%	69%	71%	73%	75%	77%
CACHAPOAL 66/15 kV 25 MVA T1	72%	75%	78%	80%	83%	86%	89%
CACHAPOAL 66/15 kV 25 MVA T2	76%	80%	83%	86%	89%	92%	95%
CAUQUENES 66/23-15 kV 12 MVA T3	95%	80%	80%	80%	80%	80%	80%
CAUQUENES 66/23-15 kV 20 MVA TX		12%	14%	16%	18%	21%	24%
CHACAHUÍN 66/15 kV 30 MVA T2	66%	69%	72%	74%	77%	80%	83%
CHILLÁN 66/15 kV 25 MVA T1	56%	59%	61%	63%	66%	68%	71%
CHILLÁN 66/15 kV 30 MVA T2	47%	49%	51%	53%	55%	57%	59%
CHILLÁN 66/15,3 kV 30 MVA T4	77%	80%	83%	86%	89%	92%	96%
CHIMBARONGO 66/15 kV 9,4 MVA T1	60%	63%	65%	68%	70%	73%	76%
CHIMBARONGO 66/15 kV 9,4 MVA T2	76%	80%	83%	87%	90%	94%	98%
CHOCALÁN 66/13,8 kV 10 MVA T1	89%	94%	97%	50%	52%	54%	56%
CHUMAQUITO 66/14,8 kV 18,7 MVA T1	66%	70%	72%	75%	49%	49%	49%
CHUMAQUITO 66/15 kV 30 MVA TX					18%	20%	22%
CIRUELITO 33/13,2 kV 6 MVA	36%	38%	39%	41%	42%	44%	46%
COCHARCAS 66/13,8 kV 12 MVA TX	79%	83%	87%	90%	93%	97%	101%
COCHARCAS 66/15 kV 4,2 MVA T1	52%	55%	57%	59%	61%	64%	66%

COCHARCAS 66/13,2 kv 5 MVA T2	44%	46%	48%	50%	52%	54%	56%
COLCHAGUA 66/15 kv 10,5 MVA T1	103%	107%	39%	41%	43%	46%	49%
COLCHAGUA 66/15 kv 18,7 MVA T2	67%	70%	72%	74%	76%	78%	81%
CONSTITUCIÓN 66/23 kv 10 MVA T2	26%	26%	26%	26%	26%	26%	26%
CONSTITUCIÓN 66/23 kv 20 MVA T1	99%	80%	80%	80%	80%	80%	80%
CONSTITUCIÓN 66/23 kv 30 MVA T3		17%	19%	22%	25%	28%	31%
CURICÓ 66/15 kv 25 MVA T1	85%	90%	84%	84%	84%	84%	84%
CURICÓ 66/15 kv 30 MVA T2	93%	97%	84%	84%	84%	84%	84%
CURICÓ 66/13,8 kv 2x5,6 MVA T3							
CURICÓ 66/13,2 kv 25 MVA T4	59%	61%	62%	64%	66%	67%	69%
CURICÓ 66/13,2 kv 30 MVA T5	40%	41%	66%	72%	79%	86%	93%
EL MAITÉN 66/13,8 kv 10 MVA T1	80%	85%	88%	92%	95%	98%	102%
EL MANZANO 66/15 kv 4 MVA T2	75%	79%	82%	86%	89%	93%	96%
EL MANZANO 66/15 kv 6,67 MVA T1	72%	76%	79%	82%	85%	88%	92%
EL MONTE 66/13,8 kv 10 MVA T1	87%	92%	96%	99%	103%	107%	111%
EL PAICO 66/13,8 kv 20 MVA T1	44%	47%	49%	51%	53%	55%	57%
EL PEUMO 66/25 kv 30 MVA T1	43%	45%	47%	49%	51%	53%	55%
EL RUIL 66/15 kv 30 MVA T1	0%	0%	0%	0%	0%	7%	10%
FÁTIMA 66/15,3 kv 30 MVA T1	53%	57%	61%	64%	68%	71%	71%
FÁTIMA 66/15,3 kv 30 MVA T2	80%	80%	80%	80%	80%	80%	84%
GRANEROS 66/25-15,3 kv 30 MVA T2	78%	81%	80%	80%	80%	80%	80%
GRANEROS 66/25-15,3 kv 30 MVA T3			3%	5%	8%	10%	13%
HOSPITAL 66/24-15 kv 18,7 MVA T2	70%	74%	77%	80%	83%	86%	90%
HUALAÑÉ 66/23-13,8 kv 5 MVA T1	53%	56%	58%	60%	62%	65%	68%
HUALTE 66/13,8 kv 2 MVA T2	50%	53%	55%	57%	60%	62%	65%
HUALTE 66/24-13,8 kv 2 MVA T3	41%	44%	45%	47%	49%	51%	53%
HUALTE 66/33-23 kv 10 MVA	78%	83%	86%	89%	93%	97%	101%
ISLA DE MAIPO 66/12 kv 25 MVA T3	74%	79%	82%	84%	84%	84%	84%
ISLA DE MAIPO 66/12 kv 11,2 MVA T2	0%	0%	0%	1%	9%	17%	25%
ISLA DE MAIPO 66/23 kv 30 MVA T4	56%	59%	61%	63%	66%	69%	71%
ITAHUE 66/13,8 kv 6,25 MVA T3	67%	71%	74%	77%	80%	83%	87%

LA ESPERANZA 66/13,8 kV 12 MVA T1	82%	84%	85%	86%	88%	89%	90%
LA ESPERANZA 66/13,2 kV 15 MVA T2							
LA MANGA 66/15 kV 20 MVA	63%	65%	66%	68%	69%	71%	72%
LA PALMA 66/24-15 kV 10 MVA T1	78%	80%	80%	80%	80%	80%	80%
LA PALMA 66/16-13.8 kV 6,3 MVA T2	74%	17%	18%	19%	21%	22%	24%
LA RONDA 66/23-15 kV 13,3 MVA T1	74%	79%	82%	85%	88%	91%	94%
LA VEGA 66/23 kV 10 MVA T1	65%	67%	69%	70%	72%	73%	75%
LARQUI 66/23 kV 16 MVA			50%	52%	54%	56%	58%
LAS ARAÑAS 66/13,2 kV 10 MVA T4	59%	62%	65%	67%	70%	72%	75%
LAS ARAÑAS 66/23 kV 12 MVA T3	40%	41%	42%	43%	44%	45%	46%
LAS CABRAS 66/24-15 kV 10 MVA T1	68%	70%	72%	73%	75%	76%	77%
LAS CABRAS 66/15 kV 9 MVA T2	75%	78%	80%	82%	85%	87%	90%
LICANTÉN 66/23 kV 10 MVA T1	64%	66%	68%	70%	72%	75%	77%
LIHUEIMO 66/13,8 kV 12,5 MVA T1	85%	90%	93%	80%	80%	80%	80%
LIHUEIMO 66/MT 15 MVA TX				14%	17%	21%	24%
LINARESNORTE 66/13.2kV 10MVA	78%	33%	34%	35%	37%	38%	40%
LINARESNORTE 66/13.8kV 10MVA	0%	0%	0%	0%	0%	0%	0%
LINARESNORTE 66/13.kV 25MVA	65%	68%	70%	72%	74%	76%	78%
LO MIRANDA 66/24-15 kV 18,7 MVA T1	47%	49%	51%	52%	54%	55%	57%
LO MIRANDA 66/15 kV 30 MVA T2	64%	65%	66%	67%	68%	69%	70%
LONGAVI 66/13.2 kV 12.5MVA	89%	91%	39%	39%	40%	40%	41%
LORETO 66/15 kV 10,5 MVA T1	85%	85%	85%	45%	45%	45%	45%
LOS CANELOS 66/13,2 kV 30 MVA	0%	0%	0%	40%	41%	43%	44%
LOS MAQUIS 66/13,8 kV 10 MVA	35%	43%	48%	54%	60%	67%	74%
LOS TILOS BULNES 66/13,8 kV 12 MVA		33%	36%	38%	41%	44%	46%
MACHALÍ 66/15 kV 30 MVA T1	64%	67%	69%	71%	73%	75%	77%
MALLOA 66/15 kV 5 y 5,2 MVA; T1 y T2	49%	52%	54%	56%	58%	60%	62%
MANDINGA 66/13,8 kV 8 MVA T1	71%	75%	78%	43%	45%	47%	49%
MARCHIGÜE 66/13,8 kV 10 MVA T1	79%	84%	87%	90%	94%	98%	102%
MARCHIGÜE 66/23 kV 8/10 MVA T2	73%	76%	78%	80%	82%	85%	87%
MAULE 66/13,2 kV 4,85 MVA T3	88%	43%	45%	47%	49%	51%	53%

MELIPILLA 110/13,8 kV 25 MVA T1	55%	58%	60%	62%	65%	67%	70%
MELIPILLA 115/25-13,4 kV 30 MVA T3	63%	66%	69%	71%	74%	77%	80%
MOLINA 66/15 kV 20 MVA T2	93%	96%	99%	80%	80%	80%	80%
MOLINA 66/15 kV 30 MVA T1	66%	69%	71%	80%	80%	80%	80%
MOLINA 66/MT 30 MVA TX				8%	12%	16%	21%
NANCAGUA 66/13,8 kV 10 MVA T1	94%	97%	100%	102%	105%	108%	111%
NANCAGUA 66/13,2 kV 15 MVA T2							
NIRIVILO 66/23 kV 5 MVA T1	71%	75%	77%	80%	84%	87%	91%
NIRIVILO 66/23 kV 5 MVA T2	56%	59%	61%	64%	66%	69%	72%
NUEVA ALDEA 66/13,2 kV 10 MVA T4	24%	26%	27%	28%	29%	30%	31%
PANGUILEMO 66/15-13,8 kV 9 MVA T1	70%	74%	77%	80%	83%	86%	90%
PANIAHUE 66/13,8 kV 20 MVA T1	89%	94%	98%	101%	105%	109%	113%
PANIAHUE 66/13,2 kV 30 MVA T2							
PANIMAVIDA 66/13.2kV 5MVA 1	56%	29%	30%	31%	33%	34%	35%
PANIMAVIDA 66/13.2kV 5MVA 2	85%	45%	47%	48%	50%	52%	54%
PARRAL 66/25 kV 30 MVA T3	76%	80%	83%	87%	80%	80%	80%
PARRAL 66/13,8 kV 30 MVA TX					10%	14%	18%
PARRONAL 66/13,8 kV 5 MVA T1	51%	54%	55%	57%	59%	61%	64%
PASO HONDO 66/23/12.2 kV 12.5MVA	34%	36%	37%	39%	40%	41%	43%
PELEQUÉN 66/15 kV 4 MVA T1	89%	94%	97%	101%	80%	80%	80%
PELEQUÉN 66/15 kV 10 MVA T2					10%	12%	14%
PIDUCO 66/15 kV 18,7 MVA T1	36%	38%	72%	79%	87%	96%	105%
PIDUCO 66/15 kV 30 MVA T2	91%	96%	80%	80%	80%	80%	80%
PLACILLA 66/24-14,4 kV 10 MVA T2	49%	52%	54%	56%	58%	60%	63%
PORTEZUELO 66/23-13,8kV 10,35 MVA T3	57%	60%	62%	64%	67%	69%	72%
PUNTA DE CORTES 66/25-15,3 kV 30 MVA T1	0%	50%	51%	53%	54%	56%	58%
PUEBLO SECO 154/23 kV 20 MVA		0%	28%	28%	28%	28%	28%
QUELENTARO 110/24 kV 13 MVA T5	82%	82%	82%	82%	82%	82%	82%
QUILMO 66/33kV 8-10 MVA	112%	80%	80%	80%	80%	80%	80%
QUILMO II 66/33 kV 12 MVA.		49%	54%	60%	66%	72%	78%
QUINTA 66/13.8 kV 5.2 MVA 1	70%	74%	77%	80%	83%	87%	90%

QUINTA 66/13.8kv 5.2 MVA 2	75%	75%	75%	75%	75%	75%	75%
QUINTA DE TILCOCO 66/15 kv 18,7 MVA T2	67%	69%	71%	73%	75%	77%	79%
QUINTA DE TILCOCO 66/MT 5,2 MVA T3	0%	0%	0%	0%	0%	0%	0%
QUIRIHUE 66/66-33/23 kv 10 MVA T1	71%	75%	78%	81%	84%	88%	91%
RANGUILÍ 66/13,8 kv 5,2 MVA T1	55%	58%	60%	63%	65%	68%	71%
RANGUILÍ 66/23-13,2 kv 5 MVA T2	57%	60%	63%	65%	68%	70%	73%
RAUQUÉN 66/15 kv 25 MVA T1	56%	59%	62%	64%	66%	69%	72%
RAUQUÉN 66/15 kv 30 MVA T2	62%	66%	69%	71%	74%	77%	80%
RECINTO 33/23kv 4 MVA	62%	65%	68%	70%	73%	76%	79%
REGULADORA RAPEL 69/13,8 kv 10 MVA	73%	77%	80%	83%	87%	90%	94%
RENGO 66/15,3 kv 30 MVA T1	59%	62%	65%	67%	70%	73%	76%
RETIRO 66/13,8 kv 2,5 y 2,8 MVA T1 y T2	67%	71%	73%	76%	79%	82%	86%
ROSARIO 66/15 kv 30 MVA T1	61%	64%	65%	67%	69%	71%	73%
SAN CARLOS 66/13,8 kv 18,7 MVA T1	83%	88%	80%	80%	80%	80%	80%
SAN CARLOS 66/13,8kv 30 MVA T2			7%	9%	12%	14%	17%
SAN CLEMENTE 66/13,8 kv 10 MVA T1	81%	85%	87%	45%	47%	48%	50%
SAN FERNANDO 66/15 kv 18,7 MVA T1	57%	59%	61%	63%	65%	68%	70%
SAN FCO. DE MOSTAZAL 66/15,3 kv 15 MVA T1	76%	80%	83%	80%	80%	80%	80%
SAN FCO. DE MOSTAZAL 66/15,3 kv 30 MVA T2	56%	59%	60%	65%	69%	72%	76%
SAN GREGORIO 66/13.2 kv 5 MVA	66%	68%	69%	70%	71%	72%	74%
SAN GREGORIO 66/13.2 kv 5 MVA	55%	56%	14%	15%	15%	15%	15%
SAN JAVIER 66/23 kv 5 MVA T1	98%	35%	36%	37%	39%	40%	42%
SAN MIGUEL 66/15 kv 16,6 MVA T1	85%	89%	93%	96%	80%	80%	80%
SAN MIGUEL 66/15 kv 30 MVA T2					11%	13%	16%
SAN RAFAEL 66/13,8 kv 16 MVA T1	93%	71%	71%	71%	71%	71%	71%
SAN VICENTE T.T. 66/15 kv 18,7 MVA T1	80%	84%	87%	90%	93%	97%	101%
SAN VICENTE T.T. 66/15 kv 25 MVA T2	79%	84%	87%	90%	94%	97%	101%
SANTA ELISA 33/23 kv 6-8 MVA	106%	109%	112%	115%	117%	120%	123%
SANTA ELVIRA 66/15 kv 25 MVA T1	77%	80%	82%	83%	80%	80%	80%
SANTA ELVIRA 66/15 kv 25 MVA T2	76%	80%	83%	86%	80%	80%	80%
SANTA ELVIRA 66/15 kv 50 MVA TX					8%	11%	13%

SANTA ROSA 66/23 kV 20 MVA T1	43%	45%	46%	48%	49%	51%	52%
TALCA 66/13,8 kV 10 MVA T3	69%	72%	75%	77%	79%	81%	84%
TALCA 66/15 kV 30 MVA T1	67%	68%	70%	71%	72%	73%	74%
TALCA 66/15 kV 30 MVA T2	77%	80%	82%	84%	84%	70%	70%
TALCA 66/15 kV 30 MVA T4	55%	57%	59%	61%	65%	68%	74%
TENO 154/14,4 kV 33.3MVA T1	50%	51%	56%	60%	64%	68%	73%
TENO 154/14,4 kV 33.3MVA T2	88%	80%	80%	80%	80%	80%	80%
TENO 69/14,4 kV 10 MVA T2	0%	0%	0%	0%	0%	0%	0%
TRES ESQUINAS T1 66/13,8 kV 8-10 MVA	105%	80%	80%	80%	80%	80%	80%
TRES ESQUINAS T2 66/13,8 kV 6-8 MVA	93%	80%	80%	24%	24%	24%	25%
TUNICHE 66/14,8 kV 30 MVA T1	57%	60%	62%	65%	67%	70%	73%
VILLA ALEGRE 66/24-15 kV 8/10 MVA T1	48%	51%	53%	55%	57%	60%	62%
VILLA PRAT 66/13,8 kV 5,2 y 5,6 MVA T1 y T2	70%	73%	75%	77%	79%	82%	84%
YERBAS BUENAS 154/13,2kV 25MVA	47%	50%	52%	54%	56%	58%	61%

1.5.2 TRANSFORMADORES AT/AT

Tabla 1-38. Cargabilidad de transformadores AT/AT en escenario Verano Día, zona Alto Jahuel - Charrúa.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 300 MVA 220/154/69 kV	94,95	98,89	101,28	105,35	83,46	64,35	68,00
Charrúa 300 MVA 220/154/13,2 kV	85,17	85,24	82,27	70,34	71,34	71,06	70,81
Chillán 75 MVA 154/69/14,8 kV	50,52	51,53	52,64	56,18	57,71	58,96	60,32
Codegua 100 MVA 110/66 kV	0,00	0,00	0,00	0,00	66,74	57,22	60,22
Dichato 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	31,35	24,01	23,96	23,82
Fátima 75 MVA 154/66/13,8 kV	141,22	142,49	136,79	159,48	59,73	58,81	71,21
Fátima 75 MVA 154/66/13,8 kV (ex-Paine)	0,00	0,00	0,00	0,23	55,76	55,62	65,93

Hualqui 96 MVA 220/66/13,8 kV	0,00	0,00	44,94	35,77	27,78	27,86	27,75
Itahue 100 MVA 154/66/13,8 kV T5	47,91	48,43	51,26	50,51	52,49	54,30	56,82
Itahue 100 MVA 154/66/14,8 kV T1	40,27	39,82	41,32	50,88	42,03	43,53	45,27
Itahue 300 MVA 225/161/69 kV AT4	84,71	89,97	79,61	95,40	88,59	92,48	92,61
Itahue 56 MVA 154/66/13,2 kV T2	46,20	45,99	48,32	58,69	49,33	51,18	53,54
Las Arañas 50 MVA 110/66/13,8 kV T1	38,76	39,55	42,52	42,49	45,43	47,19	48,47
Las Arañas 50 MVA 110/66/13,8 kV T2	45,02	44,60	43,42	43,72	46,31	48,07	49,35
Linares 75 MVA 154/69/14,8 kV	92,16	96,39	98,71	45,16	45,02	46,26	46,95
Los Canelos 75 MVA 220-154/66 kV	0,00	0,00	0,00	4,34	32,30	32,20	32,37
Malloa 75 MVA 230-154/69/14,8 kV T1	41,75	42,93	44,10	46,03	48,18	48,83	50,72
Malloa 75 MVA 230-154/69/14,8 kV T2	44,39	45,69	45,78	35,20	43,32	44,61	43,46
Maule 60 MVA 154/66/15 kV T1	92,38	92,15	104,97	92,28	99,98	101,40	106,73
Maule 60 MVA 154/66/15 kV T2	84,61	87,28	91,31	90,62	98,29	99,72	105,03
Maule 300 MVA 220/154/24 kV	63,91	65,40	71,49	67,85	72,81	71,40	75,15
Melipilla 50 MVA 110/66 kV	67,55	66,68	69,76	70,44	72,13	74,81	77,19
Monterrico 75 MVA 230-154/69/14,8 kV T1	43,29	45,16	49,58	28,45	34,13	35,99	45,26
Monterrico 75 MVA 230-154/69/14,8 kV T2	0,00	0,00	0,00	32,18	24,58	26,44	24,16
Nueva Aldea 60 MVA 66/15/13,2 kV T1	0,16	0,16	0,16	0,16	0,16	0,16	0,16
Nueva Aldea 60 MVA 66/15/13,2 kV T2	55,81	55,33	56,66	57,80	56,35	56,86	56,60
Nueva Cauquenes 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	52,07	54,11	55,80	58,10
Nueva Mataquito 96 MVA 220/66/13,8 kV	0,00	0,00	0,10	0,10	0,10	0,10	0,10
Nueva Nirivilo 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	0,10	0,10	0,10	0,10
Paine 56 MVA 154/66/13,8 kV T1	69,80	71,50	77,20	77,32	46,78	49,92	47,51
Paine 75 MVA 230-154/69/14,8 kV T2	0,23	0,23	0,23	0,23	55,76	55,62	65,93
Parral 56 MVA 154/66/13,2 kV T1	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Parral 75 MVA 154/66/13,2 kV T1	106,77	109,23	115,33	59,87	60,45	60,85	62,18
Paso Hondo 12,5 MVA 66/23/12,2 kV	37,18	37,66	39,22	39,08	39,87	41,25	42,63
Portezuelo 50 MVA 110/69/13,8 kV T1	23,00	23,45	25,46	32,30	33,97	4,20	5,20
Portezuelo 75 MVA 110/69/23 kV T2	57,98	57,97	63,18	65,27	67,85	36,20	40,50
Punta de Cortés 300 MVA 220/154 kV	0,00	0,00	0,00	0,00	0,00	47,54	50,58
Punta de Cortés 56 MVA 154/69/13,8 kV T1	96,20	98,11	99,28	102,53	106,86	105,57	107,78

Punta de Cortés 60 MVA 154/69/13,8 kV T2	51,66	52,25	53,99	54,87	57,09	56,75	58,24
Punta de Cortés 75 MVA 230-154/69/14,8 kV T3	34,31	34,70	35,85	36,44	37,91	37,68	38,67
Quirihue 10 MVA 66/33-23 kV	46,54	46,72					
Quelentaro 195/195/13 MVA 220/110/13,8 kV	49,71	50,81	53,68	38,61	39,52	32,17	33,71
Rancagua 30 MVA 154/69/14,8 kV (fundición talleres)	55,78	60,97	58,83	59,21	60,23	58,94	59,33
Rancagua 56 MVA 154/69 kV T1	68,25	70,26	72,35	75,79	79,23	80,05	83,00
Rancagua 75 MVA 154/69/14,8 kV T4	141,75	146,15	148,96	153,77	62,09	79,76	76,07
San Fernando 25 MVA 154/69/13,2 kV T3	55,10	56,32	58,72	73,97	68,99	73,26	71,22
San Fernando 56 MVA 154/69/14,8 kV T2	134,10	133,05	141,36	145,39	153,74	154,79	162,24
San Fernando 75 MVA 230-154/69/14,8 kV T1	56,73	58,62	53,96	77,72	64,19	62,14	67,11
Teno 25 MVA 154/66/14,8 kV T5	68,97	86,40	95,86	95,10	103,01	99,91	102,83
Teno 75 MVA 230-154/69/13,2 kV T3	60,90	79,10	86,09	88,89	95,21	93,64	98,18
Tinguiririca 300 MVA 220/154/69 kV	102,11	106,14	121,59	111,75	114,02	94,30	98,28

Tabla 1-39. Cargabilidad de transformadores AT/AT en escenario Verano Noche, Zona Alto Jahuel - Charrúa.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 300 MVA 220/154/69 kV	87,88	86,05	90,52	95,96	70,86	54,98	55,52
Charrúa 300 MVA 220/154/13,2 kV	69,64	68,88	70,57	70,19	68,71	68,91	68,87
Chillán 75 MVA 154/69/14,8 kV	50,48	51,77	52,39	54,68	57,73	58,75	59,98
Codegua 100 MVA 110/66 kV	0,00	0,00	0,00	0,00	73,75	67,58	68,57
Dichato 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	29,18	22,24	21,86	21,89
Fátima 75 MVA 154/66/13,8 kV	115,68	117,71	127,39	124,55	50,62	50,40	52,41
Fátima 75 MVA 154/66/13,8 kV (ex-Paine)	0,00	0,00	0,00	0,23	48,22	49,30	50,36
Hualqui 96 MVA 220/66/13,8 kV	0,00	0,00	44,41	34,16	26,49	26,36	26,18
Itahue 100 MVA 154/66/13,8 kV T5	44,12	47,63	45,15	46,21	47,21	49,84	50,30
Itahue 100 MVA 154/66/14,8 kV T1	37,72	44,75	38,48	34,90	39,75	41,17	41,46
Itahue 300 MVA 225/161/69 kV AT4	70,55	73,89	77,72	81,44	85,35	79,75	82,90
Itahue 56 MVA 154/66/13,2 kV T2	42,94	67,44	43,89	46,40	45,65	47,82	48,15

Las Arañas 50 MVA 110/66/13,8 kV T1	47,11	45,44	48,51	47,15	49,48	53,04	50,54
Las Arañas 50 MVA 110/66/13,8 kV T2	47,99	46,29	49,40	48,05	50,01	53,91	50,91
Linares 75 MVA 154/69/14,8 kV	97,49	98,66	102,25	46,44	49,11	45,14	51,68
Los Canelos 75 MVA 220-154/66 kV	0,00	0,00	0,00	4,35	30,00	29,80	30,25
Malloa 75 MVA 230-154/69/14,8 kV T1	28,43	28,24	31,05	31,90	32,93	34,08	32,82
Malloa 75 MVA 230-154/69/14,8 kV T2	44,04	43,50	44,84	38,05	34,70	38,97	38,15
Maule 60 MVA 154/66/15 kV T1	70,72	68,71	74,74	76,44	78,29	83,38	84,63
Maule 60 MVA 154/66/15 kV T2	69,81	67,90	71,66	75,63	77,34	82,33	83,49
Maule 300 MVA 220/154/24 kV	60,31	61,11	64,49	64,62	64,61	66,31	68,10
Melipilla 50 MVA 110/66 kV	55,02	54,09	56,57	56,78	58,61	61,26	57,05
Monterrico 75 MVA 230-154/69/14,8 kV T1	67,21	69,59	71,35	37,64	39,09	40,46	62,01
Monterrico 75 MVA 230-154/69/14,8 kV T2	0,00	0,00	0,00	33,50	35,33	36,66	45,70
Nueva Aldea 60 MVA 66/15/13,2 kV T1	0,17	0,17	0,17	0,16	0,17	0,17	0,16
Nueva Aldea 60 MVA 66/15/13,2 kV T2	7,62	7,59	7,68	7,46	7,67	7,75	7,47
Nueva Cauquenes 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	50,85	53,59	58,43	57,62
Nueva Mataquito 96 MVA 220/66/13,8 kV	0,00	0,00	0,10	0,10	0,10	0,10	0,10
Nueva Nirivilo 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	0,10	0,10	0,10	0,10
Paine 56 MVA 154/66/13,8 kV T1	63,64	63,41	68,11	68,06	42,70	46,37	48,56
Paine 75 MVA 230-154/69/14,8 kV T2	0,23	0,23	0,23	0,23	48,22	49,30	50,36
Parral 56 MVA 154/66/13,2 kV T1	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Parral 75 MVA 154/66/13,2 kV T1	115,37	118,20	126,85	63,14	64,92	68,47	66,85
Paso Hondo 12,5 MVA 66/23/12,2 kV	39,10	40,15	42,28	39,84	41,57	43,63	44,27
Portezuelo 50 MVA 110/69/13,8 kV T1	23,39	22,79	23,85	32,62	32,64	11,73	14,92
Portezuelo 75 MVA 110/69/23 kV T2	62,76	60,52	59,06	53,21	57,02	36,13	36,36
Punta de Cortés 300 MVA 220/154 kV	0,00	0,00	0,00	0,00	0,00	41,96	41,10
Punta de Cortés 56 MVA 154/69/13,8 kV T1	96,33	94,97	99,22	100,68	103,36	105,05	106,67
Punta de Cortés 60 MVA 154/69/13,8 kV T2	31,26	45,20	32,88	47,34	48,80	49,61	36,04
Punta de Cortés 75 MVA 230-154/69/14,8 kV T3	20,77	30,02	21,85	31,45	32,42	32,96	23,96
Quirihue 10 MVA 66/33-23 kV	41,37	41,77					
Quelentaro 195/195/13 MVA 220/110/13,8 kV	55,27	54,13	54,65	37,82	38,86	36,87	36,51
Rancagua 30 MVA 154/69/14,8 kV (fundición talleres)	58,88	63,02	58,93	58,64	60,60	59,04	59,13

Rancagua 56 MVA 154/69 kV T1	64,73	56,30	67,69	68,97	71,14	73,59	75,94
Rancagua 75 MVA 154/69/14,8 kV T4	171,05	167,68	177,27	180,57	71,44	87,83	98,87
San Fernando 25 MVA 154/69/13,2 kV T3	70,88	82,62	61,25	86,66	86,82	96,17	85,43
San Fernando 56 MVA 154/69/14,8 kV T2	144,78	145,39	150,85	152,98	156,56	164,33	166,65
San Fernando 75 MVA 230-154/69/14,8 kV T1	51,58	49,29	55,39	59,73	61,75	63,23	66,18
Teno 25 MVA 154/66/14,8 kV T5	89,56	94,56	110,94	111,87	112,62	113,49	114,24
Teno 75 MVA 230-154/69/13,2 kV T3	67,55	82,49	88,36	91,35	93,20	97,59	99,28
Tinguiririca 300 MVA 220/154/69 kV	100,40	101,89	106,05	106,53	100,26	92,95	92,23

Tabla 1-40. Cargabilidad de transformadores AT/AT en escenario Invierno Día, Zona Alto Jahuel - Charrúa.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 300 MVA 220/154/69 kV	80,97	79,82	87,13	81,54	69,35	52,84	56,28
Charrúa 300 MVA 220/154/13,2 kV	80,33	78,28	77,18	71,18	70,90	71,03	69,80
Chillán 75 MVA 154/69/14,8 kV	57,56	55,14	57,17	59,52	62,90	63,79	66,13
Codegua 100 MVA 110/66 kV	0,00	0,00	0,00	0,00	59,38	52,34	55,46
Dichato 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	31,84	25,64	25,44	25,55
Fátima 75 MVA 154/66/13,8 kV	106,02	115,66	110,52	115,78	48,19	45,88	47,95
Fátima 75 MVA 154/66/13,8 kV (ex-Paine)	0,00	0,00	0,00	0,23	44,74	44,72	45,64
Hualqui 96 MVA 220/66/13,8 kV	0,00	0,00	44,72	35,69	28,66	28,61	28,73
Itahue 100 MVA 154/66/13,8 kV T5	48,54	52,31	52,91	51,73	56,09	55,65	61,60
Itahue 100 MVA 154/66/14,8 kV T1	40,92	35,99	43,90	44,69	40,96	45,82	52,65
Itahue 300 MVA 225/161/69 kV AT4	63,86	61,56	71,10	71,95	73,46	70,49	72,57
Itahue 56 MVA 154/66/13,2 kV T2	47,06	60,54	51,14	48,33	53,83	53,61	72,10
Las Arañas 50 MVA 110/66/13,8 kV T1	34,67	36,48	36,51	37,73	38,84	40,03	39,49
Las Arañas 50 MVA 110/66/13,8 kV T2	43,37	43,24	44,15	43,66	43,20	42,73	42,81
Linares 75 MVA 154/69/14,8 kV	75,43	80,39	93,95	34,06	39,39	39,73	39,54
Los Canelos 75 MVA 220-154/66 kV	0,00	0,00	0,00	4,25	32,47	29,29	29,13

Malloa 75 MVA 230-154/69/14,8 kV T1	34,44	34,69	36,57	38,24	39,34	40,50	41,44
Malloa 75 MVA 230-154/69/14,8 kV T2	40,74	40,87	42,08	34,84	36,18	38,00	36,57
Maule 60 MVA 154/66/15 kV T1	83,28	79,94	88,99	89,71	95,36	95,57	101,59
Maule 60 MVA 154/66/15 kV T2	82,03	78,41	87,91	88,60	94,14	91,56	100,43
Maule 300 MVA 220/154/24 kV	56,86	58,98	63,29	62,03	65,59	63,97	66,98
Melipilla 50 MVA 110/66 kV	56,13	56,28	58,20	59,27	61,04	62,87	59,51
Monterrico 75 MVA 230-154/69/14,8 kV T1	45,03	45,66	71,97	48,04	57,34	42,54	64,47
Monterrico 75 MVA 230-154/69/14,8 kV T2	0,00	0,00	0,00	35,05	41,03	56,52	45,00
Nueva Aldea 60 MVA 66/15/13,2 kV T1	0,16	0,15	0,16	0,16	0,16	0,16	0,16
Nueva Aldea 60 MVA 66/15/13,2 kV T2	54,88	54,50	24,37	22,96	23,14	23,46	23,30
Nueva Cauquenes 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	42,41	43,51	45,22	47,62
Nueva Mataquito 96 MVA 220/66/13,8 kV	0,00	0,00	0,10	0,09	0,10	0,10	0,10
Nueva Nirivilo 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	0,10	0,10	0,10	0,10
Paine 56 MVA 154/66/13,8 kV T1	54,88	57,57	57,58	60,25	36,77	38,65	40,44
Paine 75 MVA 230-154/69/14,8 kV T2	0,24	0,23	0,23	0,23	44,74	44,72	45,64
Parral 56 MVA 154/66/13,2 kV T1	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Parral 75 MVA 154/66/13,2 kV T1	80,84	77,26	78,59	41,57	41,62	40,39	39,31
Paso Hondo 12,5 MVA 66/23/12,2 kV	7,96	8,13	8,67	8,33	8,63	8,91	9,16
Portezuelo 50 MVA 110/69/13,8 kV T1	20,16	20,97	21,06	28,84	28,89	7,68	9,04
Portezuelo 75 MVA 110/69/23 kV T2	46,12	48,08	48,95	50,62	53,36	36,29	36,10
Punta de Cortés 300 MVA 220/154 kV	0,00	0,00	0,00	0,00	0,00	39,66	42,32
Punta de Cortés 56 MVA 154/69/13,8 kV T1	89,49	88,81	91,94	95,90	98,42	97,05	99,56
Punta de Cortés 60 MVA 154/69/13,8 kV T2	44,23	44,77	46,39	46,87	49,50	49,04	50,32
Punta de Cortés 75 MVA 230-154/69/14,8 kV T3	29,38	29,73	30,81	31,13	32,87	32,57	33,42
Quirihue 10 MVA 66/33-23 kV	79,80	80,39					
Quelentaro 195/195/13 MVA 220/110/13,8 kV	40,52	41,78	42,70	29,87	32,44	26,51	26,21
Rancagua 30 MVA 154/69/14,8 kV (fundición talleres)	56,42	56,53	61,92	57,39	58,59	57,20	57,65
Rancagua 56 MVA 154/69 kV T1	75,46	73,88	76,70	79,28	83,56	83,77	87,22
Rancagua 75 MVA 154/69/14,8 kV T4	117,79	123,08	121,91	125,15	53,48	69,69	78,45
San Fernando 25 MVA 154/69/13,2 kV T3	62,06	75,47	54,09	71,95	86,99	80,55	94,06
San Fernando 56 MVA 154/69/14,8 kV T2	122,91	118,85	128,96	128,58	134,41	131,15	136,34

San Fernando 75 MVA 230-154/69/14,8 kV T1	44,67	43,94	48,53	54,23	54,86	54,03	55,63
Teno 25 MVA 154/66/14,8 kV T5	77,63	79,26	89,92	82,60	83,53	84,57	81,58
Teno 75 MVA 230-154/69/13,2 kV T3	49,67	65,94	69,01	64,79	66,83	67,63	69,22
Tinguiririca 300 MVA 220/154/69 kV	90,29	92,20	97,71	97,02	95,32	83,36	86,16

Tabla 1-41. Cargabilidad de transformadores AT/AT en escenario Invierno Noche, Zona Alto Jahuel - Charrúa.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alto Jahuel 300 MVA 220/154/69 kV	62,90	70,40	71,14	73,73	57,97	42,89	45,21
Charrúa 300 MVA 220/154/13,2 kV	70,36	68,89	68,01	69,99	67,14	69,99	68,87
Chillán 75 MVA 154/69/14,8 kV	54,14	56,12	59,07	62,11	66,45	65,18	66,87
Codegua 100 MVA 110/66 kV	0,00	0,00	0,00	0,00	56,34	49,33	50,96
Dichato 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	31,13	25,67	22,23	22,49
Fátima 75 MVA 154/66/13,8 kV	100,60	100,44	110,49	103,58	45,06	44,31	44,62
Fátima 75 MVA 154/66/13,8 kV (ex-Paine)	0,00	0,00	0,00	0,23	42,75	42,06	43,26
Hualqui 96 MVA 220/66/13,8 kV	0,00	0,00	45,28	35,10	26,90	27,17	27,45
Itahue 100 MVA 154/66/13,8 kV T5	38,96	41,77	36,72	34,82	41,90	39,65	41,72
Itahue 100 MVA 154/66/14,8 kV T1	41,54	44,01	38,23	27,14	30,19	39,91	28,36
Itahue 300 MVA 225/161/69 kV AT4	62,37	56,09	61,93	63,00	64,44	65,12	60,16
Itahue 56 MVA 154/66/13,2 kV T2	93,62	118,27	64,03	34,68	54,95	66,45	59,23
Las Arañas 50 MVA 110/66/13,8 kV T1	32,45	33,12	31,97	33,12	32,70	33,56	32,47
Las Arañas 50 MVA 110/66/13,8 kV T2	43,44	44,33	42,80	44,34	43,78	44,93	43,47
Linares 75 MVA 154/69/14,8 kV	52,53	62,31	67,53	26,06	31,49	27,74	28,91
Los Canelos 75 MVA 220-154/66 kV	0,00	0,00	0,00	4,35	25,10	24,93	24,76
Malloa 75 MVA 230-154/69/14,8 kV T1	27,34	27,12	30,28	30,47	32,35	32,83	33,08
Malloa 75 MVA 230-154/69/14,8 kV T2	42,00	41,50	43,10	27,74	29,93	33,39	32,44
Maule 60 MVA 154/66/15 kV T1	68,21	70,48	74,11	76,28	86,38	84,38	91,53
Maule 60 MVA 154/66/15 kV T2	67,41	69,51	73,04	75,31	84,92	83,15	89,92

Maule 300 MVA 220/154/24 kV	43,51	47,10	51,54	50,62	57,28	48,96	57,68
Melipilla 50 MVA 110/66 kV	48,82	49,17	50,78	51,77	54,00	55,52	51,74
Monterrico 75 MVA 230-154/69/14,8 kV T1	66,65	70,22	73,29	37,66	39,59	40,22	61,49
Monterrico 75 MVA 230-154/69/14,8 kV T2	0,00	0,00	0,00	34,73	36,67	37,33	48,45
Nueva Aldea 60 MVA 66/15/13,2 kV T1	0,16	0,17	0,17	0,16	0,17	0,16	0,16
Nueva Aldea 60 MVA 66/15/13,2 kV T2	7,39	7,74	7,70	7,40	7,62	7,55	7,43
Nueva Cauquenes 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	35,84	43,04	39,38	41,96
Nueva Mataquito 96 MVA 220/66/13,8 kV	0,00	0,00	0,10	0,10	0,09	0,09	0,09
Nueva Nirivilo 96 MVA 220/66/13,8 kV	0,00	0,00	0,00	0,10	0,10	0,09	0,10
Paine 56 MVA 154/66/13,8 kV T1	55,96	57,38	60,56	56,96	37,69	40,34	41,45
Paine 75 MVA 230-154/69/14,8 kV T2	0,22	0,23	0,22	0,23	42,75	42,06	43,26
Parral 56 MVA 154/66/13,2 kV T1	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Parral 75 MVA 154/66/13,2 kV T1	90,49	80,08	86,34	47,81	49,06	54,52	51,55
Paso Hondo 12,5 MVA 66/23/12,2 kV	7,22	7,38	8,13	7,57	8,17	8,29	8,55
Portezuelo 50 MVA 110/69/13,8 kV T1	12,77	12,61	13,40	24,03	25,87	12,20	33,79
Portezuelo 75 MVA 110/69/23 kV T2	36,08	36,43	38,65	38,52	41,88	35,82	36,02
Punta de Cortés 300 MVA 220/154 kV	0,00	0,00	0,00	0,00	0,00	32,92	34,73
Punta de Cortés 56 MVA 154/69/13,8 kV T1	73,40	72,13	76,40	74,57	79,84	80,84	80,30
Punta de Cortés 60 MVA 154/69/13,8 kV T2	59,52	58,68	62,30	60,23	65,15	64,89	65,34
Punta de Cortés 75 MVA 230-154/69/14,8 kV T3	39,52	38,96	41,36	40,00	43,26	46,30	43,39
Quirihue 10 MVA 66/33-23 kV	53,18	57,06					
Quelentaro 195/195/13 MVA 220/110/13,8 kV	27,73	27,88	29,38	22,74	25,32	18,58	21,27
Rancagua 30 MVA 154/69/14,8 kV (fundición talleres)	59,50	57,96	59,89	57,15	60,37	58,31	58,51
Rancagua 56 MVA 154/69 kV T1	81,46	81,25	89,98	85,24	93,40	92,76	96,06
Rancagua 75 MVA 154/69/14,8 kV T4	123,06	122,21	125,10	122,63	53,65	60,46	65,26
San Fernando 25 MVA 154/69/13,2 kV T3	48,14	61,26	49,76	92,28	68,68	56,79	57,57
San Fernando 56 MVA 154/69/14,8 kV T2	91,20	85,88	95,47	89,80	94,21	93,66	96,86
San Fernando 75 MVA 230-154/69/14,8 kV T1	34,41	34,52	35,92	48,06	60,86	51,61	52,48
Teno 25 MVA 154/66/14,8 kV T5	86,22	101,58	103,79	98,42	114,18	100,51	108,11
Teno 75 MVA 230-154/69/13,2 kV T3	77,44	84,11	89,77	84,18	101,66	89,45	93,73
Tinguiririca 300 MVA 220/154/69 kV	85,88	85,37	90,93	85,57	87,60	77,46	78,54

1.5.3 LÍNEAS DE TRANSMISIÓN

Tabla 1-42. Cargabilidad de líneas de transmisión en escenario Verano Día, zona Alto Jahuel - Charrúa.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x220 kV Candelaria - Tuniche	0%	0%	0%	0%	0%	30%	32%
1x220 kV Charrúa - Hualqui	0%	0%	43%	58%	60%	60%	61%
2x220 kV Dichato - Nueva Cauquenes C1	0%	0%	0%	9%	9%	10%	10%
2x220 kV Dichato - Nueva Cauquenes C2	0%	0%	0%	9%	9%	10%	10%
2x220 kV Hualqui - Dichato C1	0%	0%	0%	13%	12%	12%	13%
2x220 kV Hualqui - Dichato C2	0%	0%	0%	13%	13%	13%	13%
1x220 kV Hualqui - Lagunillas	0%	0%	31%	17%	23%	23%	23%
2x220 kV Itahue - Mataquito C1	0%	0%	0%	7%	7%	7%	7%
2x220 kV Itahue - Mataquito C2	0%	0%	0%	7%	7%	7%	7%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C1	0%	0%	0%	5%	4%	5%	5%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C2	0%	0%	0%	5%	4%	5%	5%
2x220 kV Nueva Nirivilo - Mataquito C1	0%	0%	0%	7%	7%	7%	7%
2x220 kV Nueva Nirivilo - Mataquito C2	0%	0%	0%	7%	7%	7%	7%
1x220 kV Santa Isabel - Maule	72%	74%	81%	77%	82%	81%	85%
2x220 kV Tuniche - Punta de Cortés C1	0%	0%	0%	0%	0%	16%	17%
2x220 kV Tuniche - Punta de Cortés C2	0%	0%	0%	0%	0%	15%	16%
1x154 kV Alto Jahuel - Villaseca C1	85%	89%	91%	95%	79%	61%	64%
1x154 kV Alto Jahuel - Villaseca C2	85%	89%	91%	95%	79%	61%	64%
1x154 kV Itahue - Maule	11%	15%	4%	23%	11%	16%	11%
1x154 kV Itahue - Tap Teno C1	29%	28%	27%	33%	29%	25%	24%
1x154 kV Itahue - Tap Teno C2	66%	71%	70%	78%	76%	72%	72%

1x154 kV Maule - Yervas Buenas	110%	115%	119%	108%	109%	112%	114%
1x154 kV Linares - Yervas Buenas	94%	98%	101%	91%	91%	93%	95%
1x154 kV Parral - Linares	0%	0%	0%	0%	0%	0%	0%
1x154 kV Parral - Tap Chillán	110%	112%	118%	61%	62%	62%	64%
Tap Fatima - Fatima 154 kV C1	26%	27%	21%	33%	30%	12%	13%
Tap Fátima - Fatima 154 kV C2	45%	45%	47%	48%	79%	61%	65%
2x154 kV Tap Malloa - Tap Tilcoco C1	39%	38%	39%	41%	35%	16%	15%
2x154 kV Tap Malloa - Tap Tilcoco C2	39%	38%	39%	41%	35%	16%	15%
1x154 kV Tap Monterrico - Tap Chillán	54%	55%	59%	41%	41%	42%	43%
1x154 kV Tap Paine - Paine	22%	22%	25%	24%	15%	16%	15%
2x154 kV Tap Paine -Tuniche C1	40%	43%	43%	47%	29%	10%	12%
2x154 kV Tap Paine -Tuniche C2	42%	45%	45%	48%	31%	12%	13%
2x154 kV Tap Tilcoco - Tap P.Cortes C1	40%	38%	40%	41%	35%	16%	15%
2x154 kV Tap Tilcoco - Tap P.Cortes C2	40%	38%	39%	41%	35%	16%	15%
1x154 kV Teno Empalme - Teno	63%	73%	76%	78%	80%	80%	83%
2x154 kV Tinguiririca - Estructura N°8 C1	84%	84%	88%	98%	98%	49%	52%
2x154 kV Tinguiririca - Estructura N°8 C2	0%	0%	0%	0%	0%	49%	52%
1x154 kV Tinguiririca - Tap Malloa C1	57%	56%	58%	58%	53%	35%	34%
1x154 kV Tinguiririca - Tap Malloa C2	57%	56%	58%	58%	54%	35%	34%
2x154 kV Tuniche - Punta de Cortes C1	20%	16%	17%	20%	11%	47%	48%
2x154 kV Tuniche - Punta de Cortes C2	18%	14%	15%	18%	11%	45%	47%
2x154 kV Tuniche - Rancagua C1	51%	53%	54%	56%	34%	38%	40%
2x154 kV Tuniche - Rancagua C2	50%	52%	53%	56%	34%	37%	40%
2x154 kV Alto Jahuel - Tap Fátima C1	86%	89%	91%	95%	79%	61%	64%
1x154 kV Tap Fátima - Tap Paine	61%	64%	70%	65%	44%	28%	28%
2x154 kV Alto Jahuel - Tap Fátima C2	85%	89%	91%	95%	79%	61%	64%
1x154 kV Tap Fátima - Altura Tap Paine	42%	45%	45%	48%	31%	12%	13%
1x154 kV Charrúa - Pueblo Seco	151%	162%	172%	56%	62%	64%	66%
1x154 kV Pueblo Seco - Tap Chillán	152%	157%	168%	56%	57%	59%	60%
1x154 kV Tap Chillán - Monterrico	152%	157%	168%	41%	41%	42%	43%
1x154 kV Charrúa - Los Canelos	0%	0%	0%	41%	51%	52%	54%

1x154 kV Los Canelos - Tap Chillán	0%	0%	0%	40%	40%	42%	43%
1x154 kV Tap Chillán - Chillán	0%	0%	0%	56%	57%	59%	61%
1x154 kV Charrúa - Chillán	53%	57%	61%	0%	0%	0%	0%
1x110 kV Quelentaro - Las Arañas	33%	34%	37%	36%	39%	40%	41%
1x110 kV Quelentaro - Portezuelo	47%	49%	54%	30%	32%	19%	21%
1x66 kV Portezuelo - Alcones	0%	0%	0%	0%	0%	47%	48%
1x66 kV Malloa Nueva - Malloa	6%	6%	6%	6%	6%	6%	7%
1x66 kV Alto Jahuel - Buin	86%	88%	91%	92%	95%	98%	100%
1x66 kV Tap Graneros - Graneros	37%	38%	39%	41%	43%	43%	45%
1x66 kV Bajo Melipilla - Chocalán	37%	36%	39%	37%	38%	39%	40%
1x66 kV Bajo Melipilla - El Maitén	63%	60%	65%	64%	66%	68%	70%
1x66 kV Buin (CGE) - Estructura 101	29%	30%	32%	31%	34%	34%	34%
1x66 kV Cachapoal-Machalí	17%	17%	18%	19%	20%	20%	20%
1x66 kV Cauquenes - La Vega	14%	14%	15%	13%	13%	14%	14%
1x66 kV Tap Chacahuín - Embalse Ancoa	64%	44%	43%	24%	24%	39%	50%
1x66 kV Charrúa - Santa Clara	181%	229%	235%	193%	79%	22%	23%
1x66 kV Chillán - Tap El Nevado	0%	0%	0%	0%	0%	0%	0%
1x66 kV Chimbarongo - Quinta	23%	23%	22%	23%	24%	24%	24%
1x66 kV Chocalán - Mandinga	0%	0%	0%	0%	0%	0%	0%
1x66 kV Chumaquito - Rosario	64%	65%	66%	68%	73%	72%	74%
1x66 kV Cocharcas - Hualte	14%	14%	15%	16%	16%	17%	17%
1x66 kV Cocharcas - Tap San Carlos	0%	0%	0%	0%	0%	0%	0%
1x66 kV Constitución - Celco	21%	20%	22%	19%	19%	19%	19%
1x66 kV Constitución - Viñales	5%	6%	7%	10%	13%	14%	15%
1x66 kV Dichato - Tome C1	0%	0%	0%	16%	12%	12%	12%
1x66 kV Dichato - Tome C2	0%	0%	0%	16%	12%	12%	12%
1x66 kV Dole - Rancagua	75%	77%	79%	81%	33%	27%	25%
1x66 kV El Maitén - El Paico	64%	61%	66%	65%	67%	69%	71%
1x66 kV El Paico - El Monte	36%	34%	37%	36%	37%	39%	40%
1x66 kV El Peumo - Santa Rosa	35%	35%	38%	38%	40%	42%	43%
1x66 kV El Ruil - La Palma	0%	0%	0%	0%	0%	55%	57%

1x66 kV El Ruil - San Clemente	0%	0%	0%	0%	0%	34%	35%
1x66 kV Est. 36 A - Hospital	36%	37%	39%	38%	41%	42%	41%
1x66 kV Estructura N°8 - San Fernando C1	78%	77%	82%	84%	89%	89%	94%
1x66 kV Estructura N°8 - San Fernando C2	55%	56%	57%	71%	65%	65%	69%
1x66 kV Estructura101 - Paine	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Est. 36A	53%	54%	57%	56%	60%	61%	61%
1x66 kV Graneros - Indura	96%	99%	101%	104%	43%	34%	32%
1x66 kV Hospital - S. Francisco de Mostazal	0%	0%	0%	0%	0%	0%	0%
1x66 kV Hualañe - Lincantén	8%	8%	8%	8%	8%	8%	8%
1x66 kV Hualañe - Ranguli	11%	12%	12%	13%	13%	14%	14%
1x66 kV Hualqui - Chiguayante C1	0%	0%	23%	18%	14%	14%	14%
1x66 kV Hualqui - Chiguayante C2	0%	0%	23%	18%	14%	14%	14%
1x66 kV I.Maipo - P.Talagante	30%	30%	30%	30%	31%	31%	30%
1x66 kV Indura - Dole	75%	77%	79%	81%	33%	27%	25%
1x66 kV Isla de Maipo - El Monte	0%	0%	0%	0%	0%	0%	0%
1x66 kV Itahue - Molina C1	55%	55%	59%	56%	59%	60%	63%
1x66 kV Itahue - Molina C2	53%	52%	56%	59%	62%	63%	66%
1x66 kV La Ronda - San Vicente	208%	211%	221%	227%	246%	244%	256%
1x66 kV Las Arañas - El Peumo	62%	63%	68%	68%	73%	76%	78%
1x66 kV Las Cabras - El Manzano	28%	29%	29%	30%	31%	32%	33%
1x66 kV Lihueimo - Marchigue	63%	63%	66%	71%	71%	74%	76%
1x66 kV Linares - Chacahuín	84%	85%	91%	98%	102%	103%	107%
1x66 kV Linares - Tap Longaví	64%	59%	54%	61%	55%	62%	63%
1x66 kV Tap Off Maestranza - R	64%	73%	67%	69%	70%	69%	69%
1x66 kV Tap Off Maestranza - R2	18%	19%	19%	19%	20%	19%	20%
1x66 kV Lircay - Mariposas	28%	29%	29%	29%	29%	29%	29%
1x66 kV Lircay - Providencia	38%	38%	38%	42%	43%	43%	43%
1x66 kV Tap Off Los Lirios - Chumaquito	113%	117%	119%	124%	133%	133%	137%
1x66 kV Lo Miranda - Loreto	26%	26%	27%	28%	29%	29%	30%
1x66 kV Malloa - Pelequén	61%	63%	63%	46%	58%	60%	58%
1x66 kV Malloa - Q.Tilcoco	25%	25%	26%	27%	28%	29%	30%

1x66 kV Malloa - Sn Vte. T.T.	40%	42%	43%	45%	47%	47%	49%
1x66 kV Mandinga - Las Arañas 66 kV	22%	22%	24%	24%	25%	26%	27%
1x66 kV Marchigüe - Alcones 66kV	22%	22%	23%	25%	25%	57%	60%
1x66 kV Maule - Lircay 66 kV	58%	58%	59%	59%	60%	60%	61%
1x66 kV Maule - San Miguel 66 kV	68%	69%	74%	70%	75%	76%	79%
1x66 kV Maule - Talca 66kV	66%	67%	71%	67%	72%	73%	77%
2x66 kV Molina - Curicó 66 kV C1	52%	51%	54%	57%	59%	61%	64%
1x66 kV Monterrico - Chillán 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Monterrico - Cocharcas 66 kV	63%	63%	67%	27%	27%	28%	29%
1x66 kV Monterrico - Tap El Nevado 66 kV	18%	18%	22%	35%	31%	33%	34%
1x66 kV Nanchagua - Paniahue 66 kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Nirivilo - Nva. Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
1x66 kV Nueva Aldea - Santa Elvira 66kV	67%	67%	68%	69%	67%	68%	67%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(2)	0%	0%	0%	13%	14%	14%	15%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(3)	0%	0%	0%	13%	14%	14%	15%
1x66 kV El Manzano - Esperanza	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Isla de Maipo	28%	25%	15%	34%	40%	36%	39%
1x66 kV Nva Nirivilo - Constitución	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - Hospital 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - I. Maipo 66 kV	95%	97%	103%	105%	63%	68%	64%
1x66 kV Panguilemo - San Rafael 66 kV	51%	56%	59%	48%	56%	60%	63%
1x66 kV Paniahue - Lihueimo 66 KV	67%	66%	70%	75%	75%	78%	80%
1x66 kV Panimavida - Ancoa 66 kV	0%	0%	0%	0%	0%	0%	0%
2x66 kV Parral - Cauquenes C1	59%	58%	60%	15%	15%	16%	16%
2x66 kV Parral - Cauquenes C2	80%	80%	83%	31%	33%	34%	35%
1x66 kV Parral - San Gregorio	87%	89%	90%	90%	92%	94%	97%
1x66 kV Parronales - Hualañe	21%	21%	24%	25%	27%	29%	31%
1x66 kV Parronales - Mataquito	0%	0%	0%	0%	0%	0%	0%
1x66 kV Pelequén - Tap Paloma	0%	0%	0%	28%	15%	11%	14%
1x66 kV Placilla - Nanchagua	16%	16%	16%	17%	18%	19%	19%
1x66 kV Portezuelo - Marchigüe	65%	65%	68%	73%	72%	40%	45%

1x66 kV Portezuelo - Tap Los Maitenes	18%	19%	20%	20%	20%	20%	21%
2x66 kV Punta de Cortés - Cachapoal C1	59%	43%	45%	46%	48%	48%	50%
2x66 kV Punta de Cortés - Cachapoal C2	59%	43%	45%	46%	48%	48%	50%
2x66 kV Punta de Cortés - Lo Miranda C1	60%	61%	61%	63%	66%	65%	66%
2x66 kV Punta de Cortés - Lo Miranda C2	54%	55%	56%	57%	60%	59%	60%
1x66 kV Punta de Cortés - Tuniche	58%	59%	61%	63%	65%	65%	67%
1x66 kV Tap Quilmo 2 - Chillán	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Quilmo - Quilmo 2	29%	18%	18%	19%	4%	3%	3%
1x66 kV R1 - R2	0%	0%	0%	0%	0%	0%	0%
1x66 kV R2 - Tap Maestranza	18%	19%	19%	19%	20%	19%	20%
1x66 kV Rancagua - Alameda	77%	80%	79%	87%	90%	91%	94%
1x66 kV Rancagua - R	64%	73%	67%	69%	70%	69%	69%
1x66 kV Rancagua - Tap Off Maestranza	188%	194%	197%	203%	217%	216%	223%
1x66 kV Rapel - Tap Nihue	32%	32%	33%	34%	35%	36%	36%
1x66 kV Rauquén - Curicó	91%	96%	97%	103%	104%	108%	113%
1x66 kV Rengo - Pelequén	70%	72%	72%	73%	77%	77%	78%
1x66 kV Rengo - Tap Rengo	78%	80%	81%	82%	88%	89%	91%
1x66 kV Retiro - Parral	37%	19%	13%	72%	70%	73%	75%
1x66 kV Rosario - Rengo	0%	0%	0%	0%	0%	0%	0%
1x66 kV San Fernando - Chimbarongo	58%	59%	57%	59%	63%	64%	64%
1x66 kV San Fernando - Colchagua	66%	66%	71%	71%	77%	77%	81%
1x66 kV San Fernando - La Ronda	125%	127%	133%	136%	148%	146%	153%
1x66 kV San Fernando - Placilla	24%	25%	24%	25%	28%	28%	28%
1x66 kV San Francisco - Graneros	48%	49%	50%	51%	52%	52%	79%
1x66 kV San Francisco - Graneros	48%	49%	50%	51%	52%	52%	79%
1x66 kV Tap Nirivilo - Constitución 66 kV	58%	62%	61%	45%	68%	70%	79%
1x66 kV San Miguel - Talca	52%	52%	56%	52%	56%	56%	59%
2x66 kV Molina - Curicó 66 kV C2	53%	53%	56%	55%	57%	58%	61%
1x66 kV San Rafael - Itahue 66 kV	94%	95%	99%	89%	99%	104%	109%
1x66 kV San Vicente Tagua Tagua S201- Las Cabras	60%	61%	63%	66%	69%	70%	73%
1x66 kV Los Tilos Bulnes - Tap Tres Esquinas	182%	216%	222%	181%	19%	20%	20%

1x66 kV Santa Clara - Los Tilos Bulnes	182%	230%	236%	194%	22%	23%	23%
1x66 kV Santa Elvira - Tap El Nevado	31%	31%	37%	59%	54%	57%	59%
1x66 kV Santa Rosa - Alhué	25%	26%	27%	27%	29%	30%	30%
2x66 kV Secc Mataquito - SE Mataquito C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Mataquito - SE Mataquito C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Talca - El Ruil C1					19%	20%	20%
1x66 kV Talca - Panguilemo	47%	49%	52%	42%	50%	53%	56%
1x66 kV Talca - Piduco	79%	81%	86%	86%	90%	93%	98%
1x66 kV Talca - San Clemente	0%	0%	0%	0%	0%	0%	0%
1x66 kV Talca - Tap San Javier	32%	34%	34%	17%	28%	29%	31%
1x66 kV Talca - Villa Prat (a Panguilemo)	47%	49%	52%	42%	50%	53%	56%
1x66 kV Talca - Villa Prat (desde Panguilemo)	63%	64%	67%	57%	65%	68%	72%
1x66 kV Tap Off Maestranza - Tap Lirios	87%	90%	91%	94%	101%	101%	104%
1x66 kV Tap Hospital - Hospital	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap La Paloma - La Ronda	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Linares Norte - Linares	98%	100%	104%	49%	50%	51%	53%
1x66 kV Tap Longaví - Retiro	28%	11%	4%	65%	64%	65%	68%
1x66 kV Tap Nihue - La Manga	25%	25%	26%	27%	27%	28%	29%
1x66 kV Tap Nihue - Las Arañas 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Ñiquen - Parral	71%	72%	72%	72%	74%	76%	78%
1x66 kV Tap Paloma - San Fernando	0%	0%	0%	27%	15%	11%	14%
1x66 kV Tap Paso Hondo - Paso Hondo	12%	12%	12%	12%	12%	13%	13%
1x66 kV Tap Putagan - Embalse Ancoa	36%	30%	30%	24%	24%	29%	33%
1x66 kV Tap Putagan - Panimavida	33%	34%	36%	37%	38%	39%	40%
1x66 kV Tap Quinta - Teno	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap San Carlos - Tap Ñiquen 66 kV	58%	59%	58%	59%	60%	62%	65%
1x66 kV Tap San Javier - Villa Alegre 66kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Lucero - Tap Quilmo	54%	77%	79%	77%	17%	17%	18%
1x66 kV Tap Tres Esquinas - Lucero	105%	132%	135%	130%	7%	7%	8%

1x66 kV Tap Tres Esquinas - Tres Esquinas	99%	108%	112%	65%	55%	57%	59%
1x66 kV Tap Villa Prat - Itahue	92%	94%	99%	89%	98%	104%	109%
1x66 kV Tap Villa Prat - Villa Prat	33%	34%	38%	39%	42%	44%	47%
1x66 kV Teno - Rauquén	71%	97%	100%	106%	108%	109%	114%
1x66 kV Villa Alegre - Tap Linares Norte	27%	28%	28%	29%	29%	29%	30%
1x66 kV Villa Prat - Parronales	24%	25%	28%	29%	31%	33%	35%
1x66 kV Lucero - Los Canelos	0%	0%	0%	0%	27%	27%	27%
1x66 kV Nirivilo - San Javier	92%	97%	96%	47%	83%	85%	93%
1x66 kV Larqui - Lucero	28%	30%	30%	29%	23%	23%	24%
1x66 kV Nirivilo - Nva. Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
1x33 kV Ciruelito - Recinto	0%	25%	27%	26%	24%	24%	25%
1x33 kV Hualte - Quirihue	23%	23%	25%	26%	26%	27%	28%
1x33 kV Lajuelas - Santa Elisa	103%	113%	118%	117%	109%	109%	113%
1x33 kV Quilmo - Lajuelas	103%	127%	132%	130%	121%	120%	124%
1x33 kV Santa Elisa - Confluencia	14%	15%	15%	15%	13%	13%	13%
1x15 kV San Francisco de Mostazal - Pacífico	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV CBB - Gen CBB	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV El Paico - Mallarauco	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV Teno - CBB	0%	0%	0%	0%	0%	0%	0%

Tabla 1-43. Cargabilidad de líneas de transmisión en escenario Verano Noche, zona Alto Jahuel - Charrúa.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x220 kV Candelaria - Tuniche	0%	0%	0%	0%	0%	26%	26%
1x220 kV Charrúa - Hualqui	0%	0%	42%	60%	66%	67%	68%
2x220 kV Dichato - Nueva Cauquenes C1	0%	0%	0%	12%	13%	14%	14%
2x220 kV Dichato - Nueva Cauquenes C2	0%	0%	0%	12%	13%	14%	14%
2x220 kV Hualqui - Dichato C1	0%	0%	0%	16%	16%	16%	17%
2x220 kV Hualqui - Dichato C2	0%	0%	0%	16%	16%	17%	17%
1x220 kV Hualqui - Lagunillas	0%	0%	30%	14%	21%	21%	21%

2x220 kV Itahue - Mataquito C1	0%	0%	0%	8%	8%	8%	8%
2x220 kV Itahue - Mataquito C2	0%	0%	0%	8%	8%	8%	8%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C1	0%	0%	0%	7%	7%	7%	8%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C2	0%	0%	0%	7%	7%	7%	8%
2x220 kV Nueva Nirivilo - Mataquito C1	0%	0%	0%	8%	8%	8%	8%
2x220 kV Nueva Nirivilo - Mataquito C2	0%	0%	0%	8%	8%	8%	8%
1x220 kV Santa Isabel - Maule	68%	69%	73%	73%	73%	75%	77%
2x220 kV Tuniche - Punta de Cortés C1	0%	0%	0%	0%	0%	14%	14%
2x220 kV Tuniche - Punta de Cortés C2	0%	0%	0%	0%	0%	14%	13%
1x154 kV Alto Jahuel - Villaseca C1	79%	77%	81%	86%	67%	52%	52%
1x154 kV Alto Jahuel - Villaseca C2	79%	77%	81%	86%	67%	52%	53%
1x154 kV Itahue - Maule	8%	15%	11%	17%	12%	12%	7%
1x154 kV Itahue - Tap Teno C1	32%	33%	34%	38%	34%	31%	28%
1x154 kV Itahue - Tap Teno C2	70%	75%	77%	82%	80%	77%	76%
1x154 kV Maule - Yervas Buenas	112%	113%	118%	107%	113%	106%	119%
1x154 kV Linares - Yervas Buenas	99%	100%	104%	93%	99%	91%	104%
1x154 kV Parral - Linares	0%	0%	0%	0%	0%	0%	0%
1x154 kV Parral - Tap Chillán	118%	121%	130%	65%	67%	70%	69%
Tap Fatima - Fatima 154 kV C1	20%	21%	24%	21%	27%	11%	9%
Tap Fátima - Fatima 154 kV C2	38%	38%	40%	41%	67%	52%	53%
2x154 kV Tap Malloa - Tap Tilcoco C1	41%	43%	43%	46%	36%	21%	19%
2x154 kV Tap Malloa - Tap Tilcoco C2	41%	43%	43%	46%	36%	21%	19%
1x154 kV Tap Monterrico - Tap Chillán	66%	68%	72%	48%	49%	52%	52%
1x154 kV Tap Paine - Paine	20%	20%	20%	21%	13%	15%	16%
2x154 kV Tap Paine -Tuniche C1	43%	40%	44%	47%	26%	10%	7%
2x154 kV Tap Paine -Tuniche C2	44%	42%	45%	48%	27%	11%	9%
2x154 kV Tap Tilcoco - Tap P.Cortes C1	41%	43%	43%	46%	36%	21%	19%
2x154 kV Tap Tilcoco - Tap P.Cortes C2	41%	43%	43%	46%	36%	21%	19%
1x154 kV Teno Empalme - Teno	67%	73%	76%	77%	79%	82%	82%
2x154 kV Tinguiririca - Estructura Nª8 C1	89%	88%	93%	98%	102%	53%	54%
2x154 kV Tinguiririca - Estructura Nª8 C2	0%	0%	0%	0%	0%	53%	54%

1x154 kV Tinguiririca - Tap Malloa C1	55%	57%	58%	60%	50%	36%	33%
1x154 kV Tinguiririca - Tap Malloa C2	55%	57%	58%	60%	50%	36%	33%
2x154 kV Tuniche - Punta de Cortes C1	38%	33%	40%	39%	14%	47%	54%
2x154 kV Tuniche - Punta de Cortes C2	36%	31%	38%	37%	13%	46%	53%
2x154 kV Tuniche - Rancagua C1	55%	53%	58%	58%	31%	36%	39%
2x154 kV Tuniche - Rancagua C2	55%	52%	57%	57%	31%	35%	38%
2x154 kV Alto Jahuel - Tap Fátima C1	79%	78%	82%	86%	67%	52%	53%
1x154 kV Tap Fátima - Tap Paine	60%	57%	58%	66%	38%	25%	24%
2x154 kV Alto Jahuel - Tap Fátima C2	79%	77%	81%	86%	67%	52%	53%
1x154 kV Tap Fátima - Altura Tap Paine	44%	42%	44%	48%	27%	11%	9%
1x154 kV Charrúa - Pueblo Seco	187%	198%	208%	54%	62%	63%	65%
1x154 kV Pueblo Seco - Tap Chillán	188%	193%	203%	54%	56%	58%	59%
1x154 kV Tap Chillán - Monterrico	188%	193%	203%	48%	49%	52%	52%
1x154 kV Charrúa - Los Canelos	0%	0%	0%	49%	60%	62%	62%
1x154 kV Los Canelos - Tap Chillán	0%	0%	0%	47%	49%	52%	52%
1x154 kV Tap Chillán - Chillán	0%	0%	0%	54%	56%	58%	59%
1x154 kV Charrúa - Chillán	66%	70%	73%	0%	0%	0%	0%
1x110 kV Quelentaro - Las Arañas	40%	39%	42%	40%	44%	47%	45%
1x110 kV Quelentaro - Portezuelo	52%	51%	50%	24%	25%	22%	24%
1x66 kV Portezuelo - Alcones	0%	0%	0%	0%	0%	47%	46%
1x66 kV Malloa Nueva - Malloa	6%	5%	6%	6%	6%	6%	6%
1x66 kV Alto Jahuel - Buin	70%	70%	73%	73%	75%	78%	79%
1x66 kV Tap Graneros - Graneros	48%	47%	50%	51%	52%	54%	54%
1x66 kV Bajo Melipilla - Chocalán	27%	27%	28%	27%	28%	29%	30%
1x66 kV Bajo Melipilla - El Maitén	53%	52%	55%	53%	55%	58%	52%
1x66 kV Buin (CGE) - Estructura 101	21%	21%	22%	23%	23%	24%	25%
1x66 kV Cachapoal-Machalí	19%	19%	20%	20%	21%	22%	22%
1x66 kV Cauquenes - La Vega	19%	19%	21%	17%	18%	19%	19%
1x66 kV Tap Chacahuín - Embalse Ancoa	33%	34%	35%	35%	36%	39%	38%
1x66 kV Charrúa - Santa Clara	143%	171%	175%	187%	87%	25%	26%
1x66 kV Chillán - Tap El Nevado	0%	0%	0%	0%	0%	0%	0%

1x66 kV Chimbarongo - Quinta	23%	22%	22%	23%	22%	23%	23%
1x66 kV Chocalán - Mandinga	0%	0%	0%	0%	0%	0%	0%
1x66 kV Chumaquito - Rosario	70%	69%	71%	72%	74%	75%	75%
1x66 kV Cocharcas - Hualte	14%	14%	15%	15%	16%	16%	16%
1x66 kV Cocharcas - Tap San Carlos	0%	0%	0%	0%	0%	0%	0%
1x66 kV Constitución - Celco	21%	24%	26%	18%	18%	18%	18%
1x66 kV Constitución - Viñales	5%	8%	8%	8%	8%	8%	8%
1x66 kV Dichato - Tome C1	0%	0%	0%	15%	11%	11%	11%
1x66 kV Dichato - Tome C2	0%	0%	0%	15%	11%	11%	11%
1x66 kV Dole - Rancagua	104%	102%	107%	109%	25%	25%	38%
1x66 kV El Maitén - El Paico	60%	59%	62%	60%	62%	65%	60%
1x66 kV El Paico - El Monte	38%	38%	39%	38%	40%	42%	36%
1x66 kV El Peumo - Santa Rosa	41%	39%	42%	41%	43%	46%	45%
1x66 kV El Ruil - La Palma	0%	0%	0%	0%	0%	26%	26%
1x66 kV El Ruil - San Clemente	0%	0%	0%	0%	0%	32%	33%
1x66 kV Est. 36 A - Hospital	37%	37%	39%	40%	40%	42%	43%
1x66 kV Estructura N°8 - San Fernando C1	84%	82%	87%	88%	90%	95%	96%
1x66 kV Estructura N°8 - San Fernando C2	56%	55%	58%	66%	70%	73%	73%
1x66 kV Estructura101 - Paine	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Est. 36A	54%	54%	58%	58%	59%	61%	63%
1x66 kV Graneros - Indura	133%	131%	137%	139%	32%	33%	48%
1x66 kV Hospital - S. Francisco de Mostazal	0%	0%	0%	0%	0%	0%	0%
1x66 kV Hualañe - Lincantén	7%	6%	6%	7%	6%	7%	7%
1x66 kV Hualañe - Ranguli	14%	14%	15%	16%	16%	17%	17%
1x66 kV Hualqui - Chiguayante C1	0%	0%	23%	17%	13%	13%	13%
1x66 kV Hualqui - Chiguayante C2	0%	0%	23%	17%	13%	13%	13%
1x66 kV I.Maipo - P.Talagante	30%	30%	31%	30%	30%	30%	31%
1x66 kV Indura - Dole	104%	102%	107%	109%	25%	25%	38%
1x66 kV Isla de Maipo - El Monte	0%	0%	0%	0%	0%	0%	0%
1x66 kV Itahue - Molina C1	53%	53%	56%	51%	52%	55%	55%
1x66 kV Itahue - Molina C2	47%	48%	49%	58%	59%	62%	62%

1x66 kV La Ronda - San Vicente	250%	260%	260%	265%	270%	285%	288%
1x66 kV Las Arañas - El Peumo	78%	75%	81%	79%	82%	89%	81%
1x66 kV Las Cabras - El Manzano	32%	32%	34%	34%	36%	37%	32%
1x66 kV Lihueimo - Marchigue	77%	73%	68%	61%	62%	77%	71%
1x66 kV Linares - Chacahuín	132%	135%	142%	139%	144%	156%	153%
1x66 kV Linares - Tap Longaví	45%	52%	48%	71%	76%	53%	76%
1x66 kV Tap Off Maestranza - R	67%	75%	67%	69%	73%	69%	69%
1x66 kV Tap Off Maestranza - R2	19%	19%	19%	19%	19%	19%	19%
1x66 kV Lircay - Mariposas	30%	30%	30%	30%	30%	30%	30%
1x66 kV Lircay - Providencia	40%	40%	39%	45%	44%	45%	44%
1x66 kV Tap Off Los Lirios - Chumaquito	120%	118%	123%	126%	130%	133%	133%
1x66 kV Lo Miranda - Loreto	21%	21%	22%	23%	24%	24%	25%
1x66 kV Malloa - Pelequén	61%	60%	61%	51%	46%	52%	51%
1x66 kV Malloa - Q.Tilcoco	28%	27%	29%	30%	31%	32%	33%
1x66 kV Malloa - Sn Vte. T.T.	17%	17%	19%	20%	20%	21%	18%
1x66 kV Mandinga - Las Arañas 66 kV	26%	25%	27%	26%	27%	29%	29%
1x66 kV Marchigue - Alcones 66kV	16%	15%	16%	16%	16%	63%	60%
1x66 kV Maule - Lircay 66 kV	61%	61%	60%	62%	61%	63%	61%
1x66 kV Maule - San Miguel 66 kV	57%	56%	59%	60%	61%	65%	65%
1x66 kV Maule - Talca 66kV	55%	53%	56%	58%	59%	62%	63%
2x66 kV Molina - Curicó 66 kV C1	44%	44%	46%	53%	54%	57%	58%
1x66 kV Monterrico - Chillán 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Monterrico - Cocharcas 66 kV	62%	63%	65%	25%	27%	28%	27%
1x66 kV Monterrico - Tap El Nevado 66 kV	36%	37%	39%	39%	40%	42%	41%
1x66 kV Nanchhua - Paniahue 66 kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Nirivilo - Nva. Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
1x66 kV Nueva Aldea - Santa Elvira 66kV	4%	4%	4%	4%	4%	4%	3%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(2)	0%	0%	0%	13%	14%	15%	15%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(3)	0%	0%	0%	13%	14%	15%	15%
1x66 kV El Manzano - Esperanza	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Isla de Maipo	25%	26%	32%	28%	41%	37%	39%

1x66 kV Nva Nirivilo - Constitución	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - Hospital 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - I. Maipo 66 kV	86%	86%	92%	92%	58%	63%	66%
1x66 kV Panguilemo - San Rafael 66 kV	42%	41%	41%	41%	42%	45%	46%
1x66 kV Paniahue - Lihueimo 66 KV	87%	82%	71%	60%	58%	81%	71%
1x66 kV Panimavida - Ancoa 66 kV	0%	0%	0%	0%	0%	0%	0%
2x66 kV Parral - Cauquenes C1	57%	59%	64%	14%	15%	15%	15%
2x66 kV Parral - Cauquenes C2	77%	80%	86%	31%	33%	37%	36%
1x66 kV Parral - San Gregorio	87%	90%	93%	89%	93%	96%	96%
1x66 kV Parronales - Hualañe	28%	29%	31%	34%	35%	38%	39%
1x66 kV Parronales - Mataquito	0%	0%	0%	0%	0%	0%	0%
1x66 kV Pelequén - Tap Paloma	0%	0%	0%	17%	35%	26%	40%
1x66 kV Placilla - Nancagua	16%	16%	16%	17%	11%	18%	11%
1x66 kV Portezuelo - Marchigüe	68%	65%	63%	59%	60%	40%	40%
1x66 kV Portezuelo - Tap Los Maitenes	19%	18%	19%	19%	19%	20%	20%
2x66 kV Punta de Cortés - Cachapoal C1	36%	36%	37%	38%	39%	40%	41%
2x66 kV Punta de Cortés - Cachapoal C2	36%	36%	37%	38%	39%	40%	41%
2x66 kV Punta de Cortés - Lo Miranda C1	57%	56%	58%	59%	60%	61%	62%
2x66 kV Punta de Cortés - Lo Miranda C2	51%	50%	53%	53%	55%	55%	56%
1x66 kV Punta de Cortés - Tuniche	66%	65%	69%	70%	72%	74%	75%
1x66 kV Tap Quilmo 2 - Chillán	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Quilmo - Quilmo 2	29%	11%	11%	12%	3%	2%	2%
1x66 kV R1 - R2	0%	0%	0%	0%	0%	0%	0%
1x66 kV R2 - Tap Maestranza	19%	19%	19%	19%	19%	19%	19%
1x66 kV Rancagua - Alameda	74%	63%	78%	80%	83%	86%	88%
1x66 kV Rancagua - R	67%	75%	67%	69%	73%	69%	69%
1x66 kV Rancagua - Tap Off Maestranza	199%	195%	203%	206%	213%	217%	216%
1x66 kV Rapel - Tap Nihue	40%	38%	41%	42%	43%	45%	44%
1x66 kV Rauquén - Curicó	93%	95%	98%	101%	104%	109%	112%
1x66 kV Rengo - Pelequén	69%	68%	70%	71%	71%	73%	73%
1x66 kV Rengo - Tap Rengo	76%	75%	78%	80%	80%	83%	84%

1x66 kV Retiro - Parral	34%	22%	26%	83%	86%	80%	92%
1x66 kV Rosario - Rengo	0%	0%	0%	0%	0%	0%	0%
1x66 kV San Fernando - Chimbarongo	64%	63%	64%	68%	66%	69%	68%
1x66 kV San Fernando - Colchagua	65%	67%	69%	69%	72%	75%	76%
1x66 kV San Fernando - La Ronda	143%	149%	149%	152%	155%	163%	165%
1x66 kV San Fernando - Placilla	23%	22%	23%	25%	18%	26%	19%
1x66 kV San Francisco - Graneros	71%	70%	72%	73%	72%	74%	75%
1x66 kV San Francisco - Graneros	71%	70%	72%	73%	72%	74%	75%
1x66 kV Tap Nirivilo - Constitución 66 kV	11%	14%	14%	38%	33%	43%	35%
1x66 kV San Miguel - Talca	40%	39%	41%	42%	43%	46%	46%
2x66 kV Molina - Curicó 66 kV C2	49%	49%	51%	48%	49%	51%	52%
1x66 kV San Rafael - Itahue 66 kV	83%	82%	83%	85%	86%	91%	92%
1x66 kV San Vicente Tagua Tagua S201- Las Cabras	25%	25%	28%	29%	30%	31%	27%
1x66 kV Los Tilos Bulnes - Tap Tres Esquinas	144%	159%	163%	175%	21%	22%	23%
1x66 kV Santa Clara - Los Tilos Bulnes	144%	172%	176%	188%	24%	25%	26%
1x66 kV Santa Elvira - Tap El Nevado	62%	62%	66%	66%	69%	71%	71%
1x66 kV Santa Rosa - Alhué	30%	29%	30%	29%	30%	32%	31%
2x66 kV Secc Mataquito - SE Mataquito C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Mataquito - SE Mataquito C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Talca - El Ruil C1					21%	22%	23%
1x66 kV Talca - Panguilemo	32%	30%	31%	31%	32%	35%	36%
1x66 kV Talca - Piduco	69%	70%	72%	75%	76%	80%	81%
1x66 kV Talca - San Clemente	0%	0%	0%	0%	0%	0%	0%
1x66 kV Talca - Tap San Javier	9%	3%	3%	11%	10%	13%	10%
1x66 kV Talca - Villa Prat (a Panguilemo)	32%	30%	31%	31%	32%	35%	36%
1x66 kV Talca - Villa Prat (desde Panguilemo)	45%	43%	43%	44%	45%	48%	49%
1x66 kV Tap Off Maestranza - Tap Lirios	92%	90%	94%	96%	99%	102%	101%
1x66 kV Tap Hospital - Hospital	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap La Paloma - La Ronda	0%	0%	0%	0%	0%	0%	0%

1x66 kV Tap Linares Norte - Linares	88%	89%	93%	42%	43%	47%	46%
1x66 kV Tap Longaví - Retiro	25%	20%	17%	80%	83%	76%	84%
1x66 kV Tap Nihue - La Manga	32%	30%	33%	33%	34%	35%	35%
1x66 kV Tap Nihue - Las Arañas 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Ñiquen - Parral	69%	71%	74%	71%	74%	76%	76%
1x66 kV Tap Paloma - San Fernando	0%	0%	0%	17%	34%	25%	39%
1x66 kV Tap Paso Hondo - Paso Hondo	12%	13%	13%	12%	13%	14%	14%
1x66 kV Tap Putagan - Embalse Ancoa	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Putagan - Panimavida	33%	34%	35%	34%	36%	39%	38%
1x66 kV Tap Quinta - Teno	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap San Carlos - Tap Ñiquen 66 kV	56%	57%	60%	57%	60%	62%	62%
1x66 kV Tap San Javier - Villa Alegre 66kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Lucero - Tap Quilmo	44%	54%	57%	63%	15%	15%	15%
1x66 kV Tap Tres Esquinas - Lucero	93%	105%	107%	116%	7%	8%	8%
1x66 kV Tap Tres Esquinas - Tres Esquinas	66%	70%	72%	76%	67%	69%	71%
1x66 kV Tap Villa Prat - Itahue	85%	84%	85%	88%	89%	94%	95%
1x66 kV Tap Villa Prat - Villa Prat	47%	47%	51%	54%	55%	60%	61%
1x66 kV Teno - Rauquén	68%	86%	90%	94%	96%	101%	103%
1x66 kV Villa Alegre - Tap Linares Norte	26%	26%	27%	26%	26%	28%	27%
1x66 kV Villa Prat - Parronales	34%	34%	37%	40%	41%	45%	46%
1x66 kV Lucero - Los Canelos	0%	0%	0%	0%	25%	24%	25%
1x66 kV Nirivilo - San Javier	21%	2%	5%	35%	29%	40%	31%
1x66 kV Larqui - Lucero	26%	27%	27%	28%	24%	24%	24%
1x66 kV Nirivilo - Nva. Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
1x33 kV Ciruelito - Recinto	0%	22%	25%	30%	26%	27%	29%
1x33 kV Hualte - Quirihue	21%	21%	22%	22%	23%	24%	25%
1x33 kV Lajuelas - Santa Elisa	79%	80%	88%	106%	94%	97%	103%
1x33 kV Quilmo - Lajuelas	97%	94%	105%	127%	110%	114%	121%
1x33 kV Santa Elisa - Confluencia	13%	13%	14%	16%	14%	14%	15%
1x15 kV San Francisco de Mostazal - Pacífico	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV CBB - Gen CBB	0%	0%	0%	0%	0%	0%	0%

1x13,2 kV El Paico - Mallarauco	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV Teno - CBB	0%	0%	0%	0%	0%	0%	0%

Tabla 1-44. Cargabilidad de líneas de transmisión en escenario Invierno Día, zona Alto Jahuel - Charrúa.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x220 kV Candelaria - Tuniche	0%	0%	0%	0%	0%	25%	27%
1x220 kV Charrúa - Hualqui	0%	0%	43%	55%	56%	57%	58%
2x220 kV Dichato - Nueva Cauquenes C1	0%	0%	0%	8%	7%	7%	8%
2x220 kV Dichato - Nueva Cauquenes C2	0%	0%	0%	8%	7%	7%	8%
2x220 kV Hualqui - Dichato C1	0%	0%	0%	11%	10%	10%	11%
2x220 kV Hualqui - Dichato C2	0%	0%	0%	12%	11%	11%	11%
1x220 kV Hualqui - Lagunillas	0%	0%	31%	18%	25%	25%	25%
2x220 kV Itahue - Mataquito C1	0%	0%	0%	7%	7%	6%	6%
2x220 kV Itahue - Mataquito C2	0%	0%	0%	7%	7%	6%	6%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C1	0%	0%	0%	4%	4%	4%	4%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C2	0%	0%	0%	4%	4%	4%	4%
2x220 kV Nueva Nirivilo - Mataquito C1	0%	0%	0%	7%	7%	6%	6%
2x220 kV Nueva Nirivilo - Mataquito C2	0%	0%	0%	7%	7%	6%	6%
1x220 kV Santa Isabel - Maule	64%	67%	72%	70%	74%	72%	76%
2x220 kV Tuniche - Punta de Cortés C1	0%	0%	0%	0%	0%	13%	14%
2x220 kV Tuniche - Punta de Cortés C2	0%	0%	0%	0%	0%	13%	14%
1x154 kV Alto Jahuel - Villaseca C1	73%	72%	78%	75%	66%	50%	53%
1x154 kV Alto Jahuel - Villaseca C2	73%	72%	78%	75%	66%	50%	53%
1x154 kV Itahue - Maule	5%	17%	3%	12%	9%	9%	6%
1x154 kV Itahue - Tap Teno C1	25%	26%	24%	29%	26%	21%	20%
1x154 kV Itahue - Tap Teno C2	55%	60%	59%	65%	63%	57%	57%
1x154 kV Maule - Yervas Buenas	85%	89%	104%	77%	88%	89%	90%
1x154 kV Linares - Yervas Buenas	76%	81%	95%	68%	79%	80%	80%

1x154 kV Parral - Linares	0%	0%	0%	0%	0%	0%	0%
1x154 kV Parral - Tap Chillán	83%	78%	80%	42%	42%	42%	41%
Tap Fatima - Fatima 154 kV C1	19%	23%	20%	20%	27%	12%	13%
Tap Fátima - Fatima 154 kV C2	34%	35%	36%	38%	66%	50%	53%
2x154 kV Tap Malloa - Tap Tilcoco C1	36%	36%	35%	38%	32%	15%	14%
2x154 kV Tap Malloa - Tap Tilcoco C2	36%	36%	35%	38%	32%	15%	14%
1x154 kV Tap Monterrico - Tap Chillán	43%	42%	53%	40%	41%	39%	42%
1x154 kV Tap Paine - Paine	17%	17%	18%	19%	11%	13%	13%
2x154 kV Tap Paine -Tuniche C1	39%	36%	43%	37%	26%	11%	12%
2x154 kV Tap Paine -Tuniche C2	40%	37%	44%	38%	27%	12%	13%
2x154 kV Tap Tilcoco - Tap P.Cortes C1	36%	36%	35%	38%	32%	15%	14%
2x154 kV Tap Tilcoco - Tap P.Cortes C2	36%	36%	35%	38%	32%	15%	14%
1x154 kV Teno Empalme - Teno	52%	59%	62%	61%	63%	63%	65%
2x154 kV Tinguiririca - Estructura Nª8 C1	75%	75%	80%	85%	88%	43%	46%
2x154 kV Tinguiririca - Estructura Nª8 C2	0%	0%	0%	0%	0%	43%	46%
1x154 kV Tinguiririca - Tap Malloa C1	51%	51%	51%	53%	47%	31%	30%
1x154 kV Tinguiririca - Tap Malloa C2	51%	51%	51%	53%	47%	31%	30%
2x154 kV Tuniche - Punta de Cortes C1	27%	21%	27%	23%	3%	37%	39%
2x154 kV Tuniche - Punta de Cortes C2	26%	20%	26%	22%	2%	36%	38%
2x154 kV Tuniche - Rancagua C1	44%	45%	45%	47%	29%	33%	35%
2x154 kV Tuniche - Rancagua C2	43%	44%	45%	46%	29%	33%	35%
2x154 kV Alto Jahuel - Tap Fátima C1	73%	72%	78%	75%	66%	50%	53%
1x154 kV Tap Fátima - Tap Paine	55%	50%	59%	56%	38%	24%	27%
2x154 kV Alto Jahuel - Tap Fátima C2	73%	72%	78%	75%	66%	50%	53%
1x154 kV Tap Fátima - Altura Tap Paine	40%	37%	44%	38%	27%	12%	13%
1x154 kV Charrúa - Pueblo Seco	122%	123%	155%	65%	66%	67%	70%
1x154 kV Pueblo Seco - Tap Chillán	123%	118%	150%	59%	60%	62%	64%
1x154 kV Tap Chillán - Monterrico	123%	118%	150%	40%	41%	39%	42%
1x154 kV Charrúa - Los Canelos	0%	0%	0%	41%	52%	49%	52%
1x154 kV Los Canelos - Tap Chillán	0%	0%	0%	40%	41%	39%	42%
1x154 kV Tap Chillán - Chillán	0%	0%	0%	60%	60%	62%	64%

1x154 kV Charrúa - Chillán	43%	43%	55%	0%	0%	0%	0%
1x110 kV Quelentaro - Las Arañas	30%	31%	31%	32%	34%	34%	34%
1x110 kV Quelentaro - Portezuelo	39%	41%	42%	20%	25%	15%	15%
1x66 kV Portezuelo - Alcones	0%	0%	0%	0%	0%	39%	40%
1x66 kV Malloa Nueva - Malloa	5%	5%	5%	5%	6%	6%	6%
1x66 kV Alto Jahuel - Buin	71%	72%	73%	75%	77%	78%	79%
1x66 kV Tap Graneros - Graneros	32%	32%	33%	33%	35%	35%	35%
1x66 kV Bajo Melipilla - Chocalán	31%	31%	32%	31%	32%	33%	33%
1x66 kV Bajo Melipilla - El Maitén	53%	53%	55%	54%	56%	58%	53%
1x66 kV Buin (CGE) - Estructura 101	21%	21%	22%	23%	24%	24%	25%
1x66 kV Cachapoal-Machalí	23%	23%	24%	25%	26%	26%	27%
1x66 kV Cauquenes - La Vega	11%	11%	12%	10%	11%	11%	11%
1x66 kV Tap Chacahuín - Embalse Ancoa	25%	25%	26%	27%	27%	28%	29%
1x66 kV Charrúa - Santa Clara	135%	167%	177%	164%	65%	19%	21%
1x66 kV Chillán - Tap El Nevado	0%	0%	0%	0%	0%	0%	0%
1x66 kV Chimbarongo - Quinta	20%	20%	20%	20%	21%	21%	20%
1x66 kV Chocalán - Mandinga	0%	0%	0%	0%	0%	0%	0%
1x66 kV Chumaquito - Rosario	48%	48%	48%	48%	50%	50%	49%
1x66 kV Cocharcas - Hualte	25%	25%	28%	26%	27%	29%	29%
1x66 kV Cocharcas - Tap San Carlos	0%	0%	0%	0%	0%	0%	0%
1x66 kV Constitución - Celco	22%	26%	25%	19%	19%	19%	19%
1x66 kV Constitución - Viñales	5%	18%	7%	12%	13%	14%	16%
1x66 kV Dichato - Tome C1	0%	0%	0%	16%	13%	13%	13%
1x66 kV Dichato - Tome C2	0%	0%	0%	16%	13%	13%	13%
1x66 kV Dole - Rancagua	81%	82%	82%	83%	24%	30%	41%
1x66 kV El Maitén - El Paico	62%	63%	65%	64%	66%	68%	64%
1x66 kV El Paico - El Monte	31%	31%	32%	32%	33%	34%	29%
1x66 kV El Peumo - Santa Rosa	36%	36%	36%	37%	38%	39%	39%
1x66 kV El Ruil - La Palma	0%	0%	0%	0%	0%	56%	59%
1x66 kV El Ruil - San Clemente	0%	0%	0%	0%	0%	22%	23%
1x66 kV Est. 36 A - Hospital	30%	31%	32%	33%	34%	34%	35%

1x66 kV Estructura N°8 - San Fernando C1	69%	69%	75%	74%	78%	76%	79%
1x66 kV Estructura N°8 - San Fernando C2	49%	49%	51%	58%	61%	59%	65%
1x66 kV Estructura101 - Paine	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Est. 36A	45%	45%	46%	49%	50%	50%	51%
1x66 kV Graneros - Indura	103%	106%	105%	106%	32%	39%	52%
1x66 kV Hospital - S. Francisco de Mostazal	0%	0%	0%	0%	0%	0%	0%
1x66 kV Hualañe - Lincantén	12%	12%	12%	11%	11%	11%	11%
1x66 kV Hualañe - Ranguli	6%	6%	6%	6%	7%	7%	7%
1x66 kV Hualqui - Chiguayante C1	0%	0%	23%	18%	15%	15%	15%
1x66 kV Hualqui - Chiguayante C2	0%	0%	23%	18%	15%	15%	15%
1x66 kV I.Maipo - P.Talagante	29%	30%	29%	30%	30%	29%	30%
1x66 kV Indura - Dole	81%	82%	82%	83%	25%	30%	41%
1x66 kV Isla de Maipo - El Monte	0%	0%	0%	0%	0%	0%	0%
1x66 kV Itahue - Molina C1	58%	60%	63%	63%	66%	66%	71%
1x66 kV Itahue - Molina C2	58%	59%	62%	64%	67%	68%	72%
1x66 kV La Ronda - San Vicente	206%	200%	215%	210%	218%	213%	221%
1x66 kV Las Arañas - El Peumo	54%	55%	54%	56%	58%	60%	58%
1x66 kV Las Cabras - El Manzano	8%	8%	8%	8%	9%	9%	8%
1x66 kV Lihueimo - Marchigue	57%	59%	60%	62%	66%	66%	68%
1x66 kV Linares - Chacahuín	134%	135%	144%	145%	148%	153%	159%
1x66 kV Linares - Tap Longaví	26%	33%	43%	40%	47%	47%	40%
1x66 kV Tap Off Maestranza - R	68%	68%	74%	67%	68%	69%	67%
1x66 kV Tap Off Maestranza - R2	19%	18%	18%	18%	19%	18%	18%
1x66 kV Lircay - Mariposas	30%	29%	30%	29%	30%	30%	31%
1x66 kV Lircay - Providencia	44%	39%	40%	44%	44%	45%	45%
1x66 kV Tap Off Los Lirios - Chumaquito	78%	78%	79%	80%	85%	84%	84%
1x66 kV Lo Miranda - Loreto	19%	19%	20%	21%	22%	22%	23%
1x66 kV Malloa - Pelequén	56%	56%	58%	46%	48%	51%	49%
1x66 kV Malloa - Q.Tilcoco	26%	26%	27%	28%	29%	30%	31%
1x66 kV Malloa - Sn Vte. T.T.	29%	29%	30%	32%	33%	33%	34%
1x66 kV Mandinga - Las Arañas 66 kV	21%	22%	22%	22%	23%	24%	24%

1x66 kV Marchigue - Alcones 66kV	12%	12%	12%	13%	13%	52%	53%
1x66 kV Maule - Lircay 66 kV	62%	59%	62%	61%	62%	62%	63%
1x66 kV Maule - San Miguel 66 kV	64%	62%	69%	68%	72%	71%	76%
1x66 kV Maule - Talca 66kV	62%	61%	67%	66%	70%	69%	74%
2x66 kV Molina - Curicó 66 kV C1	60%	61%	64%	66%	70%	70%	75%
1x66 kV Monterrico - Chillán 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Monterrico - Cocharcas 66 kV	62%	62%	68%	25%	26%	27%	28%
1x66 kV Monterrico - Tap El Nevado 66 kV	24%	25%	40%	39%	40%	42%	43%
1x66 kV Nanchhua - Paniahue 66 kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Nirivilo - Nva. Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
1x66 kV Nueva Aldea - Santa Elvira 66kV	66%	66%	26%	24%	24%	24%	24%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(2)	0%	0%	0%	10%	10%	11%	11%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(3)	0%	0%	0%	12%	12%	12%	13%
1x66 kV El Manzano - Esperanza	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Isla de Maipo	20%	29%	18%	18%	33%	27%	29%
1x66 kV Nva Nirivilo - Constitución	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - Hospital 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - I. Maipo 66 kV	74%	78%	78%	82%	50%	52%	55%
1x66 kV Panguilemo - San Rafael 66 kV	59%	47%	66%	56%	60%	67%	67%
1x66 kV Paniahue - Lihueimo 66 KV	63%	66%	67%	69%	73%	73%	76%
1x66 kV Panimavida - Ancoa 66 kV	0%	0%	0%	0%	0%	0%	0%
2x66 kV Parral - Cauquenes C1	36%	36%	39%	13%	14%	13%	15%
2x66 kV Parral - Cauquenes C2	56%	57%	61%	25%	26%	27%	29%
1x66 kV Parral - San Gregorio	59%	61%	64%	62%	64%	66%	67%
1x66 kV Parronales - Hualañe	7%	7%	7%	7%	8%	8%	9%
1x66 kV Parronales - Mataquito	0%	0%	0%	0%	0%	0%	0%
1x66 kV Pelequén - Tap Paloma	0%	0%	0%	16%	17%	13%	26%
1x66 kV Placilla - Nanchhua	11%	11%	11%	12%	12%	12%	12%
1x66 kV Portezuelo - Marchigüe	51%	54%	55%	56%	60%	32%	30%
1x66 kV Portezuelo - Tap Los Maitenes	17%	18%	18%	18%	18%	18%	19%
2x66 kV Punta de Cortés - Cachapoal C1	50%	35%	37%	38%	40%	40%	41%

2x66 kV Punta de Cortés - Cachapoal C2	50%	35%	37%	38%	40%	40%	41%
2x66 kV Punta de Cortés - Lo Miranda C1	51%	50%	52%	54%	55%	54%	55%
2x66 kV Punta de Cortés - Lo Miranda C2	46%	45%	47%	49%	50%	49%	50%
1x66 kV Punta de Cortés - Tuniche	66%	67%	69%	72%	75%	74%	77%
1x66 kV Tap Quilmo 2 - Chillán	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Quilmo - Quilmo 2	32%	16%	16%	18%	4%	3%	3%
1x66 kV R1 - R2	0%	0%	0%	0%	0%	0%	0%
1x66 kV R2 - Tap Maestranza	19%	18%	18%	18%	19%	18%	18%
1x66 kV Rancagua - Alameda	88%	84%	88%	92%	97%	97%	101%
1x66 kV Rancagua - R	68%	68%	74%	67%	68%	69%	67%
1x66 kV Rancagua - Tap Off Maestranza	143%	143%	143%	145%	152%	150%	149%
1x66 kV Rapel - Tap Nihue	30%	29%	30%	31%	32%	33%	34%
1x66 kV Rauquén - Curicó	51%	53%	55%	56%	59%	59%	62%
1x66 kV Rengo - Pelequén	65%	65%	66%	68%	70%	70%	71%
1x66 kV Rengo - Tap Rengo	70%	71%	73%	75%	78%	78%	80%
1x66 kV Retiro - Parral	43%	42%	38%	69%	66%	68%	70%
1x66 kV Rosario - Rengo	0%	0%	0%	0%	0%	0%	0%
1x66 kV San Fernando - Chimbarongo	54%	54%	55%	58%	60%	60%	60%
1x66 kV San Fernando - Colchagua	57%	56%	60%	57%	62%	60%	62%
1x66 kV San Fernando - La Ronda	125%	121%	131%	128%	132%	130%	135%
1x66 kV San Fernando - Placilla	17%	17%	18%	19%	19%	20%	20%
1x66 kV San Francisco - Graneros	62%	63%	62%	63%	64%	64%	64%
1x66 kV San Francisco - Graneros	62%	63%	62%	63%	64%	64%	64%
1x66 kV Tap Nirivilo - Constitución 66 kV	71%	23%	79%	72%	83%	86%	95%
1x66 kV San Miguel - Talca	50%	48%	53%	53%	56%	54%	59%
2x66 kV Molina - Curicó 66 kV C2	60%	62%	65%	65%	69%	69%	74%
1x66 kV San Rafael - Itahue 66 kV	91%	80%	101%	91%	96%	104%	107%
1x66 kV San Vicente Tagua Tagua S201- Las Cabras	42%	42%	45%	47%	48%	49%	50%
1x66 kV Los Tilos Bulnes - Tap Tres Esquinas	136%	154%	164%	152%	15%	16%	18%
1x66 kV Santa Clara - Los Tilos Bulnes	135%	167%	177%	164%	18%	19%	21%
1x66 kV Santa Elvira - Tap El Nevado	42%	42%	68%	66%	68%	71%	74%

1x66 kV Santa Rosa - Alhué	30%	30%	30%	31%	32%	32%	32%
2x66 kV Secc Mataquito - SE Mataquito C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Mataquito - SE Mataquito C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Talca - El Ruil C1					15%	16%	18%
1x66 kV Talca - Panguilemo	51%	40%	57%	49%	53%	58%	59%
1x66 kV Talca - Piduco	88%	89%	96%	95%	100%	104%	109%
1x66 kV Talca - San Clemente	0%	0%	0%	0%	0%	0%	0%
1x66 kV Talca - Tap San Javier	32%	11%	34%	29%	32%	33%	35%
1x66 kV Talca - Villa Prat (a Panguilemo)	51%	40%	57%	49%	53%	58%	59%
1x66 kV Talca - Villa Prat (desde Panguilemo)	69%	58%	77%	67%	72%	78%	79%
1x66 kV Tap Off Maestranza - Tap Lirios	63%	63%	63%	64%	68%	67%	67%
1x66 kV Tap Hospital - Hospital	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap La Paloma - La Ronda	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Linares Norte - Linares	79%	79%	84%	39%	39%	41%	42%
1x66 kV Tap Longaví - Retiro	39%	33%	36%	65%	63%	65%	64%
1x66 kV Tap Nihue - La Manga	23%	23%	24%	25%	25%	26%	27%
1x66 kV Tap Nihue - Las Arañas 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Ñiquen - Parral	50%	51%	54%	52%	53%	55%	56%
1x66 kV Tap Paloma - San Fernando	0%	0%	0%	16%	16%	13%	26%
1x66 kV Tap Paso Hondo - Paso Hondo	2%	3%	3%	3%	3%	3%	3%
1x66 kV Tap Putagan - Embalse Ancoa	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Putagan - Panimavida	25%	25%	26%	27%	27%	28%	29%
1x66 kV Tap Quinta - Teno	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap San Carlos - Tap Ñiquen 66 kV	37%	37%	40%	39%	40%	42%	43%
1x66 kV Tap San Javier - Villa Alegre 66kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Lucero - Tap Quilmo	48%	64%	69%	72%	17%	17%	17%
1x66 kV Tap Tres Esquinas - Lucero	95%	112%	119%	121%	7%	9%	10%
1x66 kV Tap Tres Esquinas - Tres Esquinas	52%	54%	58%	39%	36%	36%	38%
1x66 kV Tap Villa Prat - Itahue	89%	77%	99%	88%	94%	102%	104%

1x66 kV Tap Villa Prat - Villa Prat	14%	15%	17%	18%	19%	20%	23%
1x66 kV Teno - Rauquén	46%	66%	69%	72%	74%	75%	79%
1x66 kV Villa Alegre - Tap Linares Norte	24%	24%	25%	25%	25%	26%	26%
1x66 kV Villa Prat - Parronales	7%	7%	8%	8%	9%	9%	11%
1x66 kV Lucero - Los Canelos	0%	0%	0%	0%	27%	24%	24%
1x66 kV Nirivilo - San Javier	91%	26%	98%	84%	94%	97%	106%
1x66 kV Larqui - Lucero	26%	26%	27%	27%	24%	23%	24%
1x66 kV Nirivilo - Nva. Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
1x33 kV Ciruelito - Recinto	0%	34%	38%	44%	38%	39%	40%
1x33 kV Hualte - Quirihue	40%	40%	46%	42%	44%	47%	48%
1x33 kV Lajuelas - Santa Elisa	79%	85%	93%	104%	92%	95%	97%
1x33 kV Quilmo - Lajuelas	100%	110%	120%	136%	119%	123%	125%
1x33 kV Santa Elisa - Confluencia	12%	13%	14%	15%	13%	13%	13%
1x15 kV San Francisco de Mostazal - Pacífico	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV CBB - Gen CBB	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV El Paico - Mallarauco	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV Teno - CBB	0%	0%	0%	0%	0%	0%	0%

Tabla 1-45. Cargabilidad de líneas de transmisión en escenario Invierno Noche, zona Alto Jahuel - Charrúa.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x220 kV Candelaria - Tuniche	0%	0%	0%	0%	0%	21%	22%
1x220 kV Charrúa - Hualqui	0%	0%	43%	57%	63%	60%	61%
2x220 kV Dichato - Nueva Cauquenes C1	0%	0%	0%	9%	10%	9%	10%
2x220 kV Dichato - Nueva Cauquenes C2	0%	0%	0%	9%	10%	9%	10%
2x220 kV Hualqui - Dichato C1	0%	0%	0%	13%	14%	13%	13%
2x220 kV Hualqui - Dichato C2	0%	0%	0%	14%	15%	14%	14%
1x220 kV Hualqui - Lagunillas	0%	0%	31%	17%	24%	25%	26%

2x220 kV Itahue - Mataquito C1	0%	0%	0%	7%	6%	6%	6%
2x220 kV Itahue - Mataquito C2	0%	0%	0%	7%	6%	6%	6%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C1	0%	0%	0%	6%	6%	5%	5%
2x220 kV Nueva Cauquenes - Nueva Nirivilo C2	0%	0%	0%	6%	6%	5%	5%
2x220 kV Nueva Nirivilo - Mataquito C1	0%	0%	0%	7%	6%	6%	6%
2x220 kV Nueva Nirivilo - Mataquito C2	0%	0%	0%	7%	6%	6%	6%
1x220 kV Santa Isabel - Maule	49%	53%	58%	57%	65%	55%	65%
2x220 kV Tuniche - Punta de Cortés C1	0%	0%	0%	0%	0%	11%	11%
2x220 kV Tuniche - Punta de Cortés C2	0%	0%	0%	0%	0%	11%	11%
1x154 kV Alto Jahuel - Villaseca C1	60%	63%	67%	66%	55%	41%	43%
1x154 kV Alto Jahuel - Villaseca C2	60%	63%	67%	66%	55%	41%	43%
1x154 kV Itahue - Maule	7%	10%	11%	13%	15%	11%	16%
1x154 kV Itahue - Tap Teno C1	36%	34%	35%	37%	36%	32%	31%
1x154 kV Itahue - Tap Teno C2	73%	72%	75%	76%	79%	73%	74%
1x154 kV Maule - Yervas Buenas	57%	67%	72%	56%	66%	59%	60%
1x154 kV Linares - Yervas Buenas	51%	63%	66%	51%	61%	53%	54%
1x154 kV Parral - Linares	0%	0%	0%	0%	0%	0%	0%
1x154 kV Parral - Tap Chillán	92%	83%	88%	49%	50%	54%	52%
Tap Fatima - Fatima 154 kV C1	17%	14%	21%	18%	18%	3%	5%
Tap Fátima - Fatima 154 kV C2	33%	33%	35%	34%	55%	41%	43%
2x154 kV Tap Malloa - Tap Tilcoco C1	48%	45%	47%	46%	43%	30%	29%
2x154 kV Tap Malloa - Tap Tilcoco C2	48%	45%	47%	46%	43%	30%	29%
1x154 kV Tap Monterrico - Tap Chillán	57%	54%	58%	43%	43%	46%	47%
1x154 kV Tap Paine - Paine	17%	18%	18%	18%	12%	13%	13%
2x154 kV Tap Paine -Tuniche C1	27%	32%	34%	34%	17%	2%	4%
2x154 kV Tap Paine -Tuniche C2	28%	34%	35%	35%	18%	3%	5%
2x154 kV Tap Tilcoco - Tap P.Cortes C1	48%	45%	47%	46%	43%	30%	29%
2x154 kV Tap Tilcoco - Tap P.Cortes C2	48%	45%	47%	46%	43%	30%	29%
1x154 kV Teno Empalme - Teno	65%	67%	70%	69%	74%	72%	74%
2x154 kV Tinguiririca - Estructura N°8 C1	55%	54%	57%	65%	69%	33%	35%
2x154 kV Tinguiririca - Estructura N°8 C2	0%	0%	0%	0%	0%	33%	35%

1x154 kV Tinguiririca - Tap Malloa C1	62%	59%	62%	58%	55%	43%	42%
1x154 kV Tinguiririca - Tap Malloa C2	62%	59%	62%	58%	55%	43%	42%
2x154 kV Tuniche - Punta de Cortes C1	39%	37%	36%	39%	23%	54%	53%
2x154 kV Tuniche - Punta de Cortes C2	38%	35%	34%	37%	22%	52%	52%
2x154 kV Tuniche - Rancagua C1	47%	47%	51%	47%	31%	33%	35%
2x154 kV Tuniche - Rancagua C2	46%	46%	50%	46%	31%	32%	34%
2x154 kV Alto Jahuel - Tap Fátima C1	60%	63%	67%	66%	55%	41%	43%
1x154 kV Tap Fátima - Tap Paine	43%	49%	47%	49%	29%	17%	19%
2x154 kV Alto Jahuel - Tap Fátima C2	60%	63%	67%	66%	55%	41%	43%
1x154 kV Tap Fátima - Altura Tap Paine	28%	34%	35%	35%	18%	3%	5%
1x154 kV Charrúa - Pueblo Seco	160%	158%	169%	60%	70%	68%	72%
1x154 kV Pueblo Seco - Tap Chillán	161%	153%	164%	60%	64%	63%	67%
1x154 kV Tap Chillán - Monterrico	161%	153%	164%	43%	43%	46%	47%
1x154 kV Charrúa - Los Canelos	0%	0%	0%	44%	51%	54%	55%
1x154 kV Los Canelos - Tap Chillán	0%	0%	0%	42%	43%	46%	47%
1x154 kV Tap Chillán - Chillán	0%	0%	0%	60%	64%	63%	67%
1x154 kV Charrúa - Chillán	56%	56%	60%	0%	0%	0%	0%
1x110 kV Quelentaro - Las Arañas	21%	21%	22%	26%	27%	27%	28%
1x110 kV Quelentaro - Portezuelo	29%	29%	31%	15%	20%	6%	16%
1x66 kV Portezuelo - Alcones	0%	0%	0%	0%	0%	31%	33%
1x66 kV Malloa Nueva - Malloa	5%	5%	5%	5%	6%	6%	6%
1x66 kV Alto Jahuel - Buin	73%	74%	75%	77%	81%	82%	84%
1x66 kV Tap Graneros - Graneros	38%	39%	40%	39%	40%	41%	42%
1x66 kV Bajo Melipilla - Chocalán	14%	14%	14%	14%	15%	15%	15%
1x66 kV Bajo Melipilla - El Maitén	53%	54%	56%	55%	57%	59%	54%
1x66 kV Buin (CGE) - Estructura 101	20%	21%	21%	20%	22%	22%	22%
1x66 kV Cachapoal-Machalí	29%	29%	31%	30%	33%	33%	34%
1x66 kV Cauquenes - La Vega	12%	12%	14%	12%	13%	13%	13%
1x66 kV Tap Chacahuín - Embalse Ancoa	27%	26%	29%	28%	30%	31%	32%
1x66 kV Charrúa - Santa Clara	99%	143%	141%	134%	75%	18%	19%
1x66 kV Chillán - Tap El Nevado	0%	0%	0%	0%	0%	0%	0%

1x66 kV Chimbarongo - Quinta	19%	19%	19%	19%	20%	20%	20%
1x66 kV Chocalán - Mandinga	0%	0%	0%	0%	0%	0%	0%
1x66 kV Chumaquito - Rosario	38%	38%	39%	37%	39%	39%	39%
1x66 kV Cocharcas - Hualte	17%	19%	19%	19%	20%	20%	21%
1x66 kV Cocharcas - Tap San Carlos	0%	0%	0%	0%	0%	0%	0%
1x66 kV Constitución - Celco	23%	22%	23%	18%	18%	18%	18%
1x66 kV Constitución - Viñales	8%	8%	8%	8%	8%	8%	8%
1x66 kV Dichato - Tome C1	0%	0%	0%	16%	13%	11%	11%
1x66 kV Dichato - Tome C2	0%	0%	0%	16%	13%	11%	11%
1x66 kV Dole - Rancagua	90%	92%	93%	91%	23%	24%	29%
1x66 kV El Maitén - El Paico	74%	75%	77%	76%	80%	82%	76%
1x66 kV El Paico - El Monte	41%	42%	43%	42%	44%	46%	39%
1x66 kV El Peumo - Santa Rosa	24%	23%	25%	37%	38%	38%	40%
1x66 kV El Ruil - La Palma	0%	0%	0%	0%	0%	24%	24%
1x66 kV El Ruil - San Clemente	0%	0%	0%	0%	0%	15%	16%
1x66 kV Est. 36 A - Hospital	34%	35%	36%	35%	37%	37%	38%
1x66 kV Estructura N°8 - San Fernando C1	49%	48%	51%	51%	53%	53%	55%
1x66 kV Estructura N°8 - San Fernando C2	37%	37%	38%	52%	56%	52%	54%
1x66 kV Estructura101 - Paine	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Est. 36A	50%	52%	52%	51%	55%	55%	56%
1x66 kV Graneros - Indura	116%	119%	119%	116%	29%	30%	38%
1x66 kV Hospital - S. Francisco de Mostazal	0%	0%	0%	0%	0%	0%	0%
1x66 kV Hualañe - Lincantén	11%	10%	10%	10%	10%	9%	9%
1x66 kV Hualañe - Ranguli	7%	7%	7%	7%	7%	8%	8%
1x66 kV Hualqui - Chiguayante C1	0%	0%	23%	18%	14%	14%	14%
1x66 kV Hualqui - Chiguayante C2	0%	0%	23%	18%	14%	14%	14%
1x66 kV I.Maipo - P.Talagante	31%	31%	31%	29%	31%	30%	30%
1x66 kV Indura - Dole	90%	92%	93%	91%	23%	24%	29%
1x66 kV Isla de Maipo - El Monte	0%	0%	0%	0%	0%	0%	0%
1x66 kV Itahue - Molina C1	27%	27%	28%	26%	28%	28%	29%
1x66 kV Itahue - Molina C2	25%	25%	26%	28%	30%	30%	31%

1x66 kV La Ronda - San Vicente	170%	158%	177%	165%	173%	172%	176%
1x66 kV Las Arañas - El Peumo	33%	33%	35%	47%	49%	48%	49%
1x66 kV Las Cabras - El Manzano	6%	6%	6%	6%	7%	7%	6%
1x66 kV Lihueimo - Marchigue	46%	47%	48%	49%	55%	53%	54%
1x66 kV Linares - Chacahuín	139%	135%	149%	144%	154%	160%	165%
1x66 kV Linares - Tap Longaví	25%	38%	28%	48%	62%	37%	37%
1x66 kV Tap Off Maestranza - R	70%	69%	72%	67%	72%	68%	68%
1x66 kV Tap Off Maestranza - R2	19%	20%	20%	19%	19%	19%	19%
1x66 kV Lircay - Mariposas	31%	31%	31%	30%	30%	30%	30%
1x66 kV Lircay - Providencia	41%	41%	41%	44%	45%	45%	44%
1x66 kV Tap Off Los Lirios - Chumaquito	62%	62%	64%	62%	65%	65%	66%
1x66 kV Lo Miranda - Loreto	17%	17%	18%	17%	19%	19%	19%
1x66 kV Malloa - Pelequén	58%	57%	59%	35%	38%	43%	42%
1x66 kV Malloa - Q.Tilcoco	27%	27%	28%	29%	30%	32%	31%
1x66 kV Malloa - Sn Vte. T.T.	16%	16%	19%	19%	20%	19%	20%
1x66 kV Mandinga - Las Arañas 66 kV	18%	17%	19%	18%	19%	19%	20%
1x66 kV Marchigue - Alcones 66kV	14%	14%	15%	15%	16%	37%	39%
1x66 kV Maule - Lircay 66 kV	63%	63%	63%	62%	62%	63%	61%
1x66 kV Maule - San Miguel 66 kV	55%	56%	58%	59%	66%	64%	69%
1x66 kV Maule - Talca 66kV	53%	54%	56%	57%	64%	62%	67%
2x66 kV Molina - Curicó 66 kV C1	13%	14%	14%	16%	17%	17%	17%
1x66 kV Monterrico - Chillán 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Monterrico - Cocharcas 66 kV	52%	55%	56%	22%	23%	23%	23%
1x66 kV Monterrico - Tap El Nevado 66 kV	40%	43%	45%	44%	46%	47%	48%
1x66 kV Nanchagua - Paniahue 66 kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Nirivilo - Nva. Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
1x66 kV Nueva Aldea - Santa Elvira 66kV	4%	4%	4%	4%	4%	3%	3%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(2)	0%	0%	0%	10%	12%	11%	11%
1x66 kV Nueva Cauquenes - Cauquenes 2x66 k(3)	0%	0%	0%	9%	11%	10%	10%
1x66 kV El Manzano - Esperanza	0%	0%	0%	0%	0%	0%	0%
1x66 kV Fátima - Isla de Maipo	21%	15%	28%	23%	37%	31%	33%

1x66 kV Nva Nirivilo - Constitución	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - Hospital 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Paine - I. Maipo 66 kV	76%	78%	82%	77%	51%	55%	56%
1x66 kV Panguilemo - San Rafael 66 kV	75%	74%	79%	67%	70%	74%	74%
1x66 kV Paniahue - Lihueimo 66 KV	59%	60%	62%	63%	67%	68%	69%
1x66 kV Panimavida - Ancoa 66 kV	0%	0%	0%	0%	0%	0%	0%
2x66 kV Parral - Cauquenes C1	37%	38%	44%	11%	12%	12%	12%
2x66 kV Parral - Cauquenes C2	61%	62%	71%	18%	23%	20%	21%
1x66 kV Parral - San Gregorio	60%	61%	67%	63%	68%	68%	70%
1x66 kV Parronales - Hualañe	9%	9%	10%	10%	11%	12%	13%
1x66 kV Parronales - Mataquito	0%	0%	0%	0%	0%	0%	0%
1x66 kV Pelequén - Tap Paloma	0%	0%	0%	30%	35%	26%	29%
1x66 kV Placilla - Nancagua	7%	6%	7%	7%	7%	8%	8%
1x66 kV Portezuelo - Marchigüe	40%	41%	42%	43%	47%	23%	17%
1x66 kV Portezuelo - Tap Los Maitenes	8%	8%	9%	8%	9%	9%	9%
2x66 kV Punta de Cortés - Cachapoal C1	51%	51%	55%	53%	58%	58%	58%
2x66 kV Punta de Cortés - Cachapoal C2	51%	51%	55%	53%	58%	58%	58%
2x66 kV Punta de Cortés - Lo Miranda C1	34%	33%	35%	34%	36%	36%	36%
2x66 kV Punta de Cortés - Lo Miranda C2	31%	30%	32%	31%	33%	33%	33%
1x66 kV Punta de Cortés - Tuniche	75%	74%	79%	78%	83%	85%	85%
1x66 kV Tap Quilmo 2 - Chillán	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Quilmo - Quilmo 2	27%	10%	10%	11%	3%	2%	2%
1x66 kV R1 - R2	0%	0%	0%	0%	0%	0%	0%
1x66 kV R2 - Tap Maestranza	19%	20%	20%	19%	19%	19%	19%
1x66 kV Rancagua - Alameda	95%	94%	105%	99%	109%	108%	112%
1x66 kV Rancagua - R	70%	69%	72%	67%	72%	68%	68%
1x66 kV Rancagua - Tap Off Maestranza	123%	124%	127%	121%	127%	127%	127%
1x66 kV Rapel - Tap Nihue	29%	28%	30%	31%	32%	33%	32%
1x66 kV Rauquén - Curicó	148%	144%	155%	156%	162%	172%	172%
1x66 kV Rengo - Pelequén	68%	67%	69%	68%	71%	73%	72%
1x66 kV Rengo - Tap Rengo	74%	73%	77%	75%	80%	83%	82%

1x66 kV Retiro - Parral	49%	42%	37%	68%	75%	66%	67%
1x66 kV Rosario - Rengo	0%	0%	0%	0%	0%	0%	0%
1x66 kV San Fernando - Chimbarongo	43%	42%	45%	44%	46%	48%	47%
1x66 kV San Fernando - Colchagua	44%	42%	47%	44%	47%	47%	49%
1x66 kV San Fernando - La Ronda	91%	85%	95%	88%	92%	92%	94%
1x66 kV San Fernando - Placilla	6%	6%	7%	10%	11%	11%	11%
1x66 kV San Francisco - Graneros	0%	0%	0%	0%	57%	42%	47%
1x66 kV San Francisco - Graneros	0%	0%	0%	0%	57%	42%	47%
1x66 kV Tap Nirivilo - Constitución 66 kV	13%	14%	9%	31%	40%	41%	34%
1x66 kV San Miguel - Talca	41%	42%	44%	45%	51%	49%	54%
2x66 kV Molina - Curicó 66 kV C2	15%	15%	16%	14%	15%	15%	16%
1x66 kV San Rafael - Itahue 66 kV	75%	74%	79%	83%	84%	91%	88%
1x66 kV San Vicente Tagua Tagua S201- Las Cabras	23%	23%	28%	28%	30%	28%	30%
1x66 kV Los Tilos Bulnes - Tap Tres Esquinas	100%	130%	128%	122%	18%	15%	16%
1x66 kV Santa Clara - Los Tilos Bulnes	100%	143%	141%	135%	21%	18%	19%
1x66 kV Santa Elvira - Tap El Nevado	69%	73%	76%	75%	79%	80%	82%
1x66 kV Santa Rosa - Alhué	24%	24%	25%	25%	25%	25%	26%
2x66 kV Secc Mataquito - SE Mataquito C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Mataquito - SE Mataquito C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Secc Nva Nirivilo - Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Talca - El Ruil C1					18%	15%	16%
1x66 kV Talca - Panguilemo	57%	56%	60%	54%	57%	60%	61%
1x66 kV Talca - Piduco	88%	89%	93%	91%	96%	99%	100%
1x66 kV Talca - San Clemente	0%	0%	0%	0%	0%	0%	0%
1x66 kV Talca - Tap San Javier	5%	5%	4%	10%	13%	13%	11%
1x66 kV Talca - Villa Prat (a Panguilemo)	57%	56%	60%	54%	57%	60%	61%
1x66 kV Talca - Villa Prat (desde Panguilemo)	61%	60%	64%	64%	66%	70%	69%
1x66 kV Tap Off Maestranza - Tap Lirios	52%	53%	54%	52%	54%	54%	55%
1x66 kV Tap Hospital - Hospital	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap La Paloma - La Ronda	0%	0%	0%	0%	0%	0%	0%

1x66 kV Tap Linares Norte - Linares	49%	47%	51%	23%	24%	25%	26%
1x66 kV Tap Longaví - Retiro	48%	41%	31%	65%	74%	61%	61%
1x66 kV Tap Nihue - La Manga	23%	22%	24%	25%	26%	26%	26%
1x66 kV Tap Nihue - Las Arañas 66 kV	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Ñiquen - Parral	49%	50%	54%	50%	55%	55%	56%
1x66 kV Tap Paloma - San Fernando	0%	0%	0%	29%	35%	26%	28%
1x66 kV Tap Paso Hondo - Paso Hondo	2%	2%	2%	2%	2%	2%	3%
1x66 kV Tap Putagan - Embalse Ancoa	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Putagan - Panimavida	27%	26%	28%	28%	29%	31%	32%
1x66 kV Tap Quinta - Teno	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap San Carlos - Tap Ñiquen 66 kV	35%	36%	40%	37%	41%	41%	43%
1x66 kV Tap San Javier - Villa Alegre 66kV	1%	1%	1%	1%	1%	1%	1%
1x66 kV Lucero - Tap Quilmo	34%	59%	55%	50%	13%	12%	13%
1x66 kV Tap Tres Esquinas - Lucero	79%	108%	104%	98%	13%	10%	10%
1x66 kV Tap Tres Esquinas - Tres Esquinas	27%	29%	31%	31%	30%	30%	31%
1x66 kV Tap Villa Prat - Itahue	81%	80%	86%	85%	87%	93%	91%
1x66 kV Tap Villa Prat - Villa Prat	13%	13%	15%	16%	18%	19%	20%
1x66 kV Teno - Rauquén	89%	95%	102%	103%	107%	113%	113%
1x66 kV Villa Alegre - Tap Linares Norte	23%	23%	24%	23%	24%	25%	25%
1x66 kV Villa Prat - Parronales	10%	11%	12%	12%	14%	14%	15%
1x66 kV Lucero - Los Canelos	0%	0%	0%	0%	20%	19%	20%
1x66 kV Nirivilo - San Javier	12%	13%	7%	32%	41%	42%	35%
1x66 kV Larqui - Lucero	24%	26%	27%	26%	25%	23%	24%
1x66 kV Nirivilo - Nva. Nirivilo C2	0%	0%	0%	0%	0%	0%	0%
1x33 kV Ciruelito - Recinto	0%	38%	36%	39%	37%	37%	38%
1x33 kV Hualte - Quirihue	27%	29%	30%	29%	31%	32%	33%
1x33 kV Lajuelas - Santa Elisa	53%	92%	72%	63%	59%	60%	60%
1x33 kV Quilmo - Lajuelas	30%	120%	100%	97%	91%	91%	92%
1x33 kV Santa Elisa - Confluencia	13%	15%	13%	14%	13%	13%	12%
1x15 kV San Francisco de Mostazal - Pacífico	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV CBB - Gen CBB	0%	0%	0%	0%	0%	0%	0%

1x13,2 kV El Paico - Mallarauco	0%	0%	0%	0%	0%	0%	0%
1x13,2 kV Tenó - CBB	0%	0%	0%	0%	0%	0%	0%

1.6 ZONA CHARRÚA – CHILOÉ

1.6.1 TRANSFORMADORES AT/MT

Tabla 1-46. Cargabilidad de transformadores AT/MT, zona Charrúa – Chiloé.

TRANSFORMADOR	2020	2021	2022	2023	2024	2025	2026
AIHUAPI 66/24 kV 12 MVA	50%	54%	56%	59%	61%	64%	66%
ALTO BONITO 110/23 kV 30 MVA	67%	63%	66%	68%	35%	36%	37%
ALTO BONITO 110/23 kV 30 MVA 2	0%	0%	0%	0%	35%	36%	37%
ANCUD 115/69/24/13,8 kV 16 MVA 1	60%	60%	62%	64%	66%	69%	71%
ANDALIEN 66/15 kV 25 MVA T1	91%	86%	89%	91%	93%	97%	99%
ANDALIEN 66/15 kV 25 MVA T2	52%	50%	51%	52%	53%	56%	57%
ANGOL 66/13,2 kV 30 MVA	20%	18%	19%	20%	21%	22%	22%
ANGOL 66/23 kV 12 MVA	57%	54%	56%	58%	60%	63%	65%
ARENAS BLANCAS 66/15 kV 22,5 MVA	71%	68%	70%	72%	74%	78%	80%
BARRO BLANCO 68,94/24-13,8 kV 20-30 MVA	46%	44%	46%	47%	48%	51%	52%
CABRERO 69/13,8 kV 16 MVA 1	57%	40%	41%	42%	43%	44%	45%
CABRERO 69/24-12 kV 16 MVA 2	88%	59%	61%	62%	63%	65%	66%
CALBUCO 115/69/24 kV 16 MVA	53%	52%	53%	54%	55%	57%	58%
CANETE 69/24 kV 16 MVA	56%	55%	57%	60%	62%	66%	68%
CAMPANGUE 66/13,8 kV 5,2 MVA T2	42%	38%	39%	40%	41%	44%	45%
CAMPANGUE 66/23 kV 10 MVA	65%	58%	60%	62%	64%	67%	69%
CASTRO 115/24 kV 16 MVA	66%	67%	70%	72%	37%	39%	39%
CASTRO 110/23 kV 16 MVA 2	0%	0%	0%	0%	37%	39%	39%
CHIGUAYANTE 66/15 kV 16,6 MVA 2	70%	69%	72%	74%	54%	58%	60%

CHIGUAYANTE 66/24-15 kV 18,7 MVA 1	67%	66%	69%	71%	54%	58%	60%
CHIVILCÁN 66/15 kV 25 MVA 2	53%	53%	55%	57%	58%	62%	63%
CHIVILCÁN 66/15 kV 30 MVA 1	53%	53%	55%	57%	58%	62%	63%
CHIVILCÁN 66/15 kV 22,5 MVA 3	53%	53%	55%	57%	58%	62%	63%
CHONCHI 115/24 kV 30 MVA 1	35%	33%	34%	35%	36%	37%	38%
COLACO 69/24/13,8 kV 16 MVA 1	45%	45%	46%	47%	47%	49%	50%
COLLIPULLI 66/13,2 kV 2,6 MVA 2	0%	0%	0%	0%	0%	0%	0%
COLLIPULLI 66/13,8 kV 2,6 MVA 1	0%	0%	0%	0%	0%	0%	0%
COLLIPULLI 66/13,8 kV 2,6 MVA 3	0%	0%	0%	0%	0%	0%	0%
COLLIPULLI 66/13,2 kV 16 MVA	39%	36%	38%	39%	41%	43%	44%
COLO COLO 66/15 kV 30 MVA	81%	77%	80%	82%	83%	87%	89%
COLO COLO 66/15 kV 30 MVA 2	46%	44%	45%	46%	47%	49%	50%
CORONEL 66/15 kV 9 MVA 7	62%	59%	61%	63%	65%	68%	70%
CORONEL 69/15 kV 25 MVA 2	57%	54%	56%	58%	59%	62%	64%
CORRAL 66/13,8 kV 5 MVA	59%	57%	59%	61%	62%	65%	67%
CUNCO 110/23 kV 16 MVA 1	37%	36%	37%	39%	40%	42%	43%
CURACAUTÍN 66/MT 15 MVA T1	30%	28%	30%	31%	31%	33%	34%
CURANILAHUE 66/13,8 kV 10 MVA 1	39%	39%	40%	41%	42%	44%	45%
CURANILAHUE 66/24-13,8 kV 10 MVA 2	52%	52%	53%	54%	56%	58%	59%
DALCAHUE 110/23 kV 16 MVA	78%	64%	66%	67%	68%	72%	73%
DEUCO 66/24-13,8 kV 16 MVA	53%	50%	52%	54%	55%	59%	60%
DUQUECO 66/23 kV 30 MVA	50%	49%	51%	52%	53%	56%	57%
EJÉRCITO 66/15 kV 25 MVA 1	43%	41%	42%	43%	44%	46%	47%
EJÉRCITO 66/15 kV 25 MVA 2	87%	83%	85%	88%	89%	93%	95%
EL AVELLANO 66/23-13,2 kV 10 MVA 2	47%	46%	47%	49%	50%	52%	53%
EL AVELLANO 66/23-15 kV 11 MVA 1	47%	46%	47%	49%	50%	52%	53%
EL EMPALME 115/23 kV 16 MVA CTBC	49%	46%	48%	50%	51%	53%	55%
EL EMPALME 115/24 kV 16 MVA T2	49%	46%	48%	50%	51%	53%	55%
ENACAR 66/13,8 kV 5 MVA	66%	65%	67%	69%	70%	74%	76%
ESCUADRÓN 66/15 kV 30 MVA 3	63%	60%	31%	32%	33%	34%	35%

ESCUADRÓN 66/15 kV 30 MVA	0%	0%	31%	32%	33%	34%	35%
FAENAS PANGUE 66/13,2 kV 5 MVA	46%	46%	48%	50%	52%	55%	57%
FIBRANOVA 66/13,2 23,5 MVA	40%	38%	39%	40%	41%	43%	44%
FRUTILLAR 69/24 kV 16 MVA T1	38%	37%	39%	41%	42%	44%	46%
GORBEA 66/13,8 kV 6,25 MVA 1	81%	77%	50%	51%	53%	56%	57%
IMPERIAL 66/24 kV 16 MVA CTBC	90%	88%	46%	48%	49%	52%	54%
ENLACE IMPERIAL 66/23 kV 16 MVA	0%	0%	46%	48%	49%	52%	54%
LA UNIÓN 66/13,2 11-16 MVA 1	63%	61%	63%	65%	66%	70%	71%
LA UNIÓN 66/23 kV 10 MVA 5	89%	86%	89%	92%	53%	55%	57%
LA UNIÓN 66/23 kV 16 MVA 3	43%	42%	43%	44%	45%	48%	49%
LAJA TR1 66/13,8 kV 5,2 MVA 1U	102%	103%	108%	111%	56%	60%	61%
LAJA TR2 66/13,8 kV 5 MVA 1U	102%	103%	108%	111%	54%	57%	59%
LAS ENCINAS 66/15 kV 25 MVA 1	63%	63%	65%	67%	69%	73%	75%
LAS ENCINAS 66/15 kV 25 MVA 2	70%	70%	73%	75%	77%	82%	84%
LATORRE 66/15 kV 25 MVA 1	58%	56%	57%	58%	58%	60%	61%
LAUTARO 66/13,2 kV 10 MVA 1	129%	125%	43%	44%	45%	47%	48%
LAUTARO 66/13,2 kV 5 MVA	37%	36%	37%	38%	39%	41%	41%
LAUTARO 66/15 kV 5,25 MVA	60%	58%	59%	61%	62%	65%	66%
LAUTARO 66/23 kV 12 MVA	24%	23%	5%	5%	5%	6%	6%
LAUTARO 66/23 kV 30 MVA	0%	0%	5%	5%	5%	6%	6%
LEBU 66/13,2 kV 8-10 MVA T1	42%	42%	44%	46%	47%	50%	52%
LICANCO 69/24/13,8 kV 16 MVA	45%	47%	49%	50%	52%	55%	57%
LIRQUÉN 66/15 kV 18,7 MVA	62%	62%	64%	66%	68%	71%	73%
LOMA COLORADA 66/15 kV 25 MVA 1	75%	74%	35%	35%	36%	37%	37%
LOMA COLORADA 66/15 kV 30 MVA	0%	0%	35%	35%	36%	37%	37%
LONCOCHE 66/13,8 kV 5 MVA 1	34%	33%	34%	35%	36%	38%	39%
LONCOCHE 66/24-13,8 kV 10 MVA 2	13%	12%	13%	13%	13%	14%	14%
LONCOCHE 66/24 kV 10 MVA 1	62%	61%	63%	64%	66%	69%	71%
LONCOCHE 66/13,8 kV 4-5,2 MVA 5	34%	33%	34%	35%	36%	38%	39%
LOS ÁNGELES 69/15,3 kV 30 MVA 4	49%	48%	39%	40%	41%	43%	44%

LOS ÁNGELES 69/15 kV 25 MVA 3	71%	70%	39%	40%	41%	43%	44%
LOS ÁNGELES 66/15 kV 30 MVA	0%	0%	39%	40%	41%	43%	44%
LOS LAGOS 66/13,8 kV 11-16 MVA CTBC	71%	72%	74%	76%	79%	82%	84%
LOS NEGROS 13,8/24 kV 3 MVA 2	61%	65%	68%	71%	73%	77%	80%
LOS NEGROS 66/24 kV 5 MVA	44%	47%	49%	51%	53%	56%	57%
LOS SAUCES 69/24 kV 16 MVA	32%	31%	32%	33%	34%	36%	37%
LOS TAMBORES 69/24 kV 16 MVA	61%	59%	61%	63%	64%	67%	69%
LOS TAMBORES 66/23-13,2 kV 16 MVA 2	0%	0%	0%	0%	26%	27%	28%
LOTA 66/13,8 kV 12 MVA	0%	0%	0%	0%	0%	0%	0%
LOTA 66/13,8 kV 30 MVA	36%	35%	36%	37%	38%	40%	41%
MAHNS 66/14,8 kV 10,5 MVA	90%	58%	60%	61%	63%	65%	67%
MAHNS 66/14,8 kV 6,25 MVA	110%	58%	60%	61%	63%	65%	67%
MANSO DE VELASCO 66/15 kV 22,5 MVA	68%	67%	69%	71%	73%	77%	78%
MANSO DE VELASCO 69/15 kV 25 MVA 1	58%	57%	59%	61%	62%	66%	67%
MARIQUINA 220/23 kV 30 MVA	41%	39%	40%	41%	42%	44%	44%
MELIPULLI 230/24 kV 60 MVA 33	67%	64%	66%	68%	70%	73%	75%
MELIPULLI 230/24 kV 60 MVA 44	67%	64%	66%	68%	70%	73%	75%
NAHUELBUTA 66/13,2 kV 16 MVA	51%	24%	24%	24%	24%	25%	25%
NEGRETE 66/23 kV 16 MVA T1	91%	95%	99%	41%	42%	45%	46%
NUEVA PILLANLELBÚN 66/23 kV 16 MVA	0%	0%	23%	24%	24%	25%	25%
OSORNO 66/23 kV 30 MVA 1	48%	47%	48%	50%	51%	53%	55%
OSORNO 66/24 kV 30 MVA 2	48%	47%	48%	50%	51%	53%	55%
OSORNO 66/24 kV 30 MVA 3	48%	47%	48%	50%	51%	53%	55%
LA MISIÓN 66/23 kV 30 MVA	58%	56%	58%	60%	61%	65%	66%
PADRE LAS CASAS 69/15,3 kV 30 MVA	50%	51%	54%	56%	57%	61%	62%
PAILLACO 66/13,8 kV 4 MVA	75%	73%	75%	77%	79%	83%	85%
PANGUIPULLI 66/24 kV 16 MVA T1	63%	59%	61%	63%	65%	68%	70%
PANGUIPULLI 66/24 kV 16 MVA T2	54%	51%	53%	54%	56%	58%	60%
PARGUA 110/23 kV 30 MVA	24%	23%	24%	25%	25%	27%	27%
PENCO 66/24-14,4 kV 10 MVA	75%	75%	78%	80%	41%	43%	44%

PERALES 66/15 kV 25 MVA 1	71%	68%	69%	70%	71%	73%	74%
PERALES 66/15 kV 25 MVA 2	84%	80%	82%	83%	84%	87%	87%
PICARTE 66/24/13,8 kV 30 MVA 1	80%	80%	83%	62%	64%	67%	69%
PICARTE 66/24/13,8 kV 30 MVA 2	71%	71%	74%	53%	54%	57%	58%
PICHIL 66/23 kV 16 MVA	55%	53%	55%	57%	58%	61%	62%
PICHIRROPULLI 66/13,8 kV 5 MVA	52%	51%	53%	55%	57%	60%	62%
PICHIRROPULLI 69/24 10 MVA	67%	66%	68%	71%	73%	78%	80%
PICOLTUÉ 230/24 kV 30 MVA	26%	24%	25%	26%	27%	28%	29%
PID-PID 115/69/24/13,8 kV 16 MVA 1	82%	84%	87%	90%	92%	97%	99%
PILLANLELBUN 66/15 kV 5 MVA_1	62%	60%	62%	63%	65%	68%	69%
PILLANLELBUN 66/15 kV 5 MVA_3	49%	48%	49%	50%	51%	54%	55%
PILLANLELBUN 66/24-13,8 kV 5 MVA_2	86%	83%	26%	27%	27%	29%	29%
PILMAIQUÉN 69/13,8 kV 10,2 MVA	0%	0%	0%	0%	0%	0%	0%
CHIRRE 110/23 kV 16 MVA	38%	41%	42%	44%	45%	48%	50%
PITRUFQUÉN 66/13,2 kV 10 MVA 1	63%	58%	60%	62%	64%	67%	69%
PITRUFQUÉN 66/24-13,8 kV 20 MVA	35%	32%	33%	35%	35%	37%	38%
PITRUFQUÉN 69/15 kV 10 MVA	61%	57%	59%	61%	62%	66%	67%
PUCHOCO 66/15 kV 11 MVA 1	58%	55%	57%	59%	60%	63%	65%
PUCON 66/24-15 kV 30 MVA	54%	52%	54%	56%	58%	61%	63%
PUERTO VARAS 66/24/13,8 kV 10 MVA 1	80%	78%	81%	84%	0%	0%	0%
PUERTO VARAS 66/24 kV 30 MVA 2	54%	53%	55%	57%	44%	46%	47%
PUERTO VARAS 66/23 kV 30 MVA	0%	0%	0%	0%	44%	46%	47%
PULLINQUE 66/23-13,2 kV 5 MVA	56%	53%	55%	56%	58%	61%	62%
PUMAHUE 69/15 kV 25 MVA 1	79%	79%	37%	39%	40%	42%	43%
PUMAHUE 66/15 kV 30 MVA	0%	0%	37%	39%	40%	42%	43%
PURRANQUE 66/24-13,8 kV 10 MVA 3	76%	80%	83%	86%	89%	94%	97%
PURRANQUE 66/24-13,8 kV 5 MVA 2	52%	54%	56%	58%	60%	64%	66%
QUELLON 110/23 kV 16 MVA 1	39%	37%	37%	38%	39%	40%	41%
QUELLON 110/23 kV 16 MVA 2	63%	59%	60%	61%	62%	65%	66%
RIO NEGRO 66/24 kV 10 MVA N°1	30%	16%	16%	17%	18%	19%	19%

SAN PEDRO 66/15 kV 13,3 MVA	95%	45%	46%	47%	47%	49%	49%
SAN PEDRO 66/24-14,4 kV 10 MVA 2	70%	45%	46%	47%	47%	49%	49%
SANGRA 69/24 kV 30 MVA T1	31%	30%	31%	31%	32%	34%	35%
SANTA BARBARA 66/13,8 kV 5 MVA T1	68%	68%	71%	74%	76%	81%	84%
TALCAHUANO 154/15 kV 18,7 MVA 3	73%	70%	71%	72%	73%	75%	76%
TALCAHUANO 66/15 kV 22,5 MVA 5	63%	60%	62%	63%	63%	65%	66%
TEMUCO 66/13,8 kV 6,25 MVA	109%	109%	113%	117%	49%	51%	53%
TEMUCO TR4 66/24 kV 4 MVA 1U	53%	52%	55%	56%	49%	51%	53%
TEMUCO 66/13,8 kV 10 MVA 3	0%	0%	0%	0%	49%	51%	53%
TOME 66/23-13,2 kV 5 MVA 1	55%	50%	52%	53%	54%	56%	57%
TOME 66/23-13,2 kV 5 MVA 2	55%	50%	52%	53%	54%	56%	57%
TRAIGUÉN 66/13,2 kV 2,6 MVA 1	69%	68%	71%	74%	0%	0%	0%
TRAIGUÉN 66/13,2 kV 2,6 MVA 2	69%	68%	71%	74%	0%	0%	0%
TRAIGUÉN 66/13,8 kV 2,4 MVA 3	75%	74%	77%	80%	59%	63%	65%
TRES PINOS 66/13,8 kV 5,2 MVA 1	25%	23%	24%	25%	26%	27%	28%
TRES PINOS 66/23 kV 5 MVA	93%	93%	93%	93%	93%	93%	93%
TRES PINOS 66/24 kV 10 MVA 2	93%	93%	93%	93%	93%	93%	93%
TUMBES 66/14,8 kV 16,6 MVA	53%	51%	52%	53%	53%	55%	56%
VALDIVIA 69/24/13,8 kV 30 MVA 2	19%	19%	20%	20%	21%	22%	22%
VALDIVIA 69/24/13,8 kV 30 MVA 3	57%	57%	59%	46%	47%	49%	50%
NUEVA VALDIVIA 220/23 kV 60 MVA	0%	0%	0%	0%	32%	33%	34%
VICTORIA 66/15 kV 6 MVA	59%	56%	42%	43%	44%	47%	48%
VICTORIA 66/24-14,4 kV 10 MVA	74%	71%	42%	43%	44%	47%	48%
VILLARRICA 66/23-15 kV 30 MVA 2	48%	46%	48%	50%	51%	54%	56%

1.6.2 TRANSFORMADORES AT/AT

Tabla 1-47. Cargabilidad de transformadores AT/AT en escenario Verano Día, zona Charrúa – Chiloé.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alonso de Ribera 75 MVA 154/66 kV 1	63%	44%	45%	27%	29%	31%	32%

Alonso de Ribera 75 MVA 154/66 kV 2	60%	42%	43%	26%	28%	30%	30%
Charrúa 390 MVA 220/154 kV	52%	53%	53%	52%	53%	53%	53%
Charrúa 75 MVA 154/66 kV T2	67%	55%	57%	58%	39%	36%	36%
Charrúa 75 MVA 154/66 kV T7							
Chiloé 90 MVA 220/110/23 kV	32%	29%	30%	31%	31%	33%	34%
Concepción 260 MVA 220/154 kV	68%	68%	68%	67%	68%	68%	67%
Concepción 30 MVA 154/66 kV 1	93%	103%	93%	92%	94%	93%	93%
Concepción 30 MVA 154/66 kV 2	36%	44%	27%	38%	29%	30%	31%
Concepción 30 MVA 154/66 kV 3	38%	47%	30%	40%	30%	32%	32%
Coronel 56 MVA 154/69 kV T5	49%	50%	33%	31%	28%	29%	29%
Coronel 56 MVA 154/69 kV T6	34%	31%	23%	24%	23%	24%	25%
Coronel 60 MVA 154/69 kV T3	70%	66%	53%	51%	48%	50%	51%
Coronel 60 MVA 154/69 kV T4	57%	60%	35%	33%	29%	31%	31%
Duqueco 75 MVA 220/66 kV	27%	26%	27%	28%	28%	30%	31%
Epuleufu 90 MVA 220/66 kV						55%	57%
Gamboa 90 MVA 220/110 kV 1	18%	17%	17%	18%	18%	19%	19%
Gamboa 90 MVA 220/110 kV 2	18%	17%	17%	18%	18%	19%	19%
Guindos 90 MVA 220/66 kV			74%	68%	59%	61%	62%
Hualpén 300 MVA 220/154 kV	61%	61%	53%	44%	42%	42%	43%
La Señoraza 25 MVA 220/66 kV					62%	53%	54%
Lagunillas 390 MVA 230/161/69 kV	45%	44%	36%	23%	20%	20%	20%
Lastarria 75 MVA 220/66 kV			22%	24%	24%	26%	27%
Llanquihue 90 MVA 220/66 kV		22%	25%	26%	26%	28%	29%
Llollehue 90 MVA 1 220/66 kV		30%	27%	28%	27%	29%	30%
Llollehue 90 MVA 2 220/66 kV		30%	27%	28%	27%	29%	30%
Los Ángeles 56 MVA 154/66/13,8 kV T3	79%	75%	78%	66%	67%	30%	31%
Los Ángeles 75 MVA 154/66/13,8 kV T4	86%	82%	85%	71%	72%	28%	29%
Los Peumos 75 MVA 220/66 kV	26%	24%	19%	20%	23%	26%	27%
Los Varones 90 MVA 220/66 kV				18%	18%	19%	19%
Melipulli 60 MVA 220/110 kV (T11)	63%	61%	62%	70%	71%	74%	75%
Melipulli 60 MVA 220/66 kV (T22)	47%	21%	21%	22%	24%	25%	26%

Metrenco 2x60 MVA 220/66 kV			20%	22%	22%	24%	25%
Nueva Valdivia 60 MVA 220/66 kV					16%	17%	18%
Pargua 60 MVA 220/110 kV	24%	24%	24%	25%	25%	26%	26%
Pilauco 120 MVA 220/66 kV	81%	38%	39%	41%	42%	45%	46%
Talcahuano 56 MVA 154/69 kV 4	45%	44%	45%	48%	47%	50%	51%
Talcahuano 75 MVA 154/69 kV 2	43%	42%	43%	45%	45%	48%	49%
Temuco 60 MVA 220/66 kV T1	46%	41%	25%	27%	27%	29%	30%
Temuco 75 MVA 220/66 kV T2	55%	49%	31%	33%	32%	35%	36%
Temuco 75 MVA 220/66 kV T7	53%	47%	29%	31%	31%	33%	34%
Temuco 75 MVA 220/66 kV T8	49%	44%	27%	29%	28%	31%	32%
Valdivia 220/66 kV 60 MVA	57%	42%	40%	43%	22%	23%	24%
Valdivia 220/66 kV 60 MVA 4	57%	42%	40%	43%	22%	23%	24%

Tabla 1-48. Cargabilidad de transformadores AT/AT en escenario Verano Noche, zona Charrúa – Chiloé.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alonso de Ribera 75 MVA 154/66 kV 1	52%	37%	38%	19%	21%	22%	23%
Alonso de Ribera 75 MVA 154/66 kV 2	50%	35%	36%	18%	20%	21%	22%
Charrúa 390 MVA 220/154 kV	53%	53%	53%	53%	54%	54%	54%
Charrúa 75 MVA 154/66 kV T2	66%	55%	56%	57%	38%	35%	35%
Charrúa 75 MVA 154/66 kV T7							
Chiloé 90 MVA 220/110/23 kV	66%	67%	64%	65%	63%	63%	62%
Concepción 260 MVA 220/154 kV	69%	68%	69%	68%	69%	68%	68%
Concepción 30 MVA 154/66 kV 1	95%	97%	95%	94%	95%	95%	95%
Concepción 30 MVA 154/66 kV 2	34%	42%	25%	34%	26%	28%	28%
Concepción 30 MVA 154/66 kV 3	36%	44%	26%	36%	27%	29%	29%
Coronel 56 MVA 154/69 kV T5	47%	50%	32%	30%	27%	28%	28%
Coronel 56 MVA 154/69 kV T6	29%	31%	23%	23%	22%	23%	24%
Coronel 60 MVA 154/69 kV T3	48%	45%	43%	42%	39%	41%	42%
Coronel 60 MVA 154/69 kV T4	53%	59%	32%	30%	27%	28%	29%
Duqueco 75 MVA 220/66 kV	19%	18%	19%	20%	20%	21%	21%
Epuleufu 90 MVA 220/66 kV						51%	53%

Gamboa 90 MVA 220/110 kV 1	17%	16%	16%	17%	17%	18%	18%
Gamboa 90 MVA 220/110 kV 2	17%	16%	16%	17%	17%	18%	18%
Guindos 90 MVA 220/66 kV			69%	63%	55%	57%	58%
Hualpén 300 MVA 220/154 kV	61%	62%	54%	45%	43%	44%	44%
La Señoraza 25 MVA 220/66 kV					62%	53%	54%
Lagunillas 390 MVA 230/161/69 kV	44%	44%	37%	24%	21%	21%	22%
Lastarria 75 MVA 220/66 kV			25%	26%	27%	29%	30%
Llanquihue 90 MVA 220/66 kV		21%	22%	24%	24%	26%	27%
Llollehue 90 MVA 1 220/66 kV		29%	27%	28%	27%	29%	29%
Llollehue 90 MVA 2 220/66 kV		29%	27%	28%	27%	29%	29%
Los Ángeles 56 MVA 154/66/13,8 kV T3	64%	62%	64%	56%	57%	25%	26%
Los Ángeles 75 MVA 154/66/13,8 kV T4	71%	68%	70%	61%	62%	23%	23%
Los Peumos 75 MVA 220/66 kV	24%	22%	18%	19%	21%	24%	25%
Los Varones 90 MVA 220/66 kV				14%	14%	15%	15%
Melipulli 60 MVA 220/110 kV (T11)	59%	57%	57%	66%	66%	69%	71%
Melipulli 60 MVA 220/66 kV (T22)	46%	23%	23%	24%	24%	25%	26%
Metrenco 2x60 MVA 220/66 kV			21%	22%	22%	24%	25%
Nueva Valdivia 60 MVA 220/66 kV					17%	18%	19%
Pargua 60 MVA 220/110 kV	25%	24%	25%	25%	26%	27%	27%
Pilauco 120 MVA 220/66 kV	78%	38%	39%	41%	41%	44%	45%
Talcahuano 56 MVA 154/69 kV 4	46%	45%	47%	49%	49%	51%	52%
Talcahuano 75 MVA 154/69 kV 2	44%	43%	45%	46%	47%	49%	50%
Temuco 60 MVA 220/66 kV T1	44%	39%	23%	25%	24%	26%	27%
Temuco 75 MVA 220/66 kV T2	53%	48%	28%	30%	29%	31%	32%
Temuco 75 MVA 220/66 kV T7	50%	45%	27%	28%	28%	30%	31%
Temuco 75 MVA 220/66 kV T8	47%	42%	25%	26%	26%	28%	29%
Valdivia 220/66 kV 60 MVA	57%	43%	40%	42%	21%	22%	23%
Valdivia 220/66 kV 60 MVA 4	57%	43%	40%	42%	21%	22%	23%

Tabla 1-49. Cargabilidad de transformadores AT/AT en escenario Invierno Día, zona Charrúa – Chiloé.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
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Alonso de Ribera 75 MVA 154/66 kV 1	66%	47%	48%	28%	30%	31%	32%
Alonso de Ribera 75 MVA 154/66 kV 2	63%	45%	46%	26%	28%	30%	31%
Charrúa 390 MVA 220/154 kV	53%	53%	53%	53%	54%	54%	54%
Charrúa 75 MVA 154/66 kV T2	44%	35%	35%	35%	35%	35%	35%
Charrúa 75 MVA 154/66 kV T7							
Chiloé 90 MVA 220/110/23 kV	9%	7%	8%	9%	10%	12%	13%
Concepción 260 MVA 220/154 kV	68%	68%	67%	67%	68%	68%	68%
Concepción 30 MVA 154/66 kV 1	93%	108%	93%	94%	94%	94%	93%
Concepción 30 MVA 154/66 kV 2	34%	49%	38%	41%	31%	33%	33%
Concepción 30 MVA 154/66 kV 3	37%	52%	40%	43%	33%	34%	35%
Coronel 56 MVA 154/69 kV T5	53%	55%	33%	34%	30%	31%	32%
Coronel 56 MVA 154/69 kV T6	31%	33%	25%	26%	25%	27%	27%
Coronel 60 MVA 154/69 kV T3	89%	84%	60%	60%	58%	61%	62%
Coronel 60 MVA 154/69 kV T4	62%	66%	36%	37%	33%	35%	36%
Duqueco 75 MVA 220/66 kV	27%	26%	27%	28%	28%	30%	31%
Epuleufu 90 MVA 220/66 kV					44%	46%	47%
Gamboa 90 MVA 220/110 kV 1	15%	15%	15%	16%	16%	17%	17%
Gamboa 90 MVA 220/110 kV 2	15%	15%	15%	16%	16%	17%	17%
Guindos 90 MVA 220/66 kV			76%	75%	66%	69%	70%
Hualpén 300 MVA 220/154 kV	61%	65%	49%	46%	44%	45%	45%
La Señoraza 25 MVA 220/66 kV				36%	29%	28%	28%
Lagunillas 390 MVA 230/161/69 kV	39%	49%	27%	26%	22%	23%	23%
Lastarria 75 MVA 220/66 kV			29%	33%	32%	34%	35%
Llanquihue 90 MVA 220/66 kV	21%	21%	22%	23%	23%	25%	26%
Llollehue 90 MVA 1 220/66 kV	25%	23%	21%	22%	21%	22%	23%
Llollehue 90 MVA 2 220/66 kV	25%	23%	21%	22%	21%	22%	23%
Los Ángeles 56 MVA 154/66/13,8 kV T3	57%	55%	45%	47%	21%	22%	23%
Los Ángeles 75 MVA 154/66/13,8 kV T4	63%	60%	50%	52%	18%	20%	21%
Los Peumos 75 MVA 220/66 kV	22%	20%	14%	15%	18%	21%	22%
Los Varones 90 MVA 220/66 kV			15%	16%	16%	17%	17%
Melipulli 60 MVA 220/110 kV (T11)	64%	60%	62%	70%	71%	74%	76%

Melipulli 60 MVA 220/66 kV (T22)	22%	20%	21%	22%	23%	25%	25%
Metreco 2x60 MVA 220/66 kV			22%	24%	24%	26%	27%
Nueva Valdivia 60 MVA 220/66 kV					22%	23%	24%
Pargua 60 MVA 220/110 kV	24%	23%	24%	24%	24%	26%	26%
Pilauco 120 MVA 220/66 kV	24%	22%	23%	25%	25%	27%	28%
Talcahuano 56 MVA 154/69 kV 4	51%	50%	52%	53%	53%	56%	57%
Talcahuano 75 MVA 154/69 kV 2	48%	48%	49%	51%	51%	53%	54%
Temuco 60 MVA 220/66 kV T1	46%	44%	26%	27%	27%	30%	31%
Temuco 75 MVA 220/66 kV T2	55%	53%	32%	32%	33%	36%	37%
Temuco 75 MVA 220/66 kV T7	53%	51%	30%	31%	32%	34%	36%
Temuco 75 MVA 220/66 kV T8	49%	47%	28%	29%	29%	32%	33%
Valdivia 220/66 kV 60 MVA	50%	49%	46%	49%	26%	28%	29%
Valdivia 220/66 kV 60 MVA 4	50%	49%	46%	49%	26%	28%	29%

Tabla 1-50. Cargabilidad de transformadores AT/AT en escenario Invierno Noche, zona Charrúa – Chiloé.

Transformador AT/AT	2020	2021	2022	2023	2024	2025	2026
Alonso de Ribera 75 MVA 154/66 kV 1	52%	37%	38%	19%	22%	23%	23%
Alonso de Ribera 75 MVA 154/66 kV 2	50%	35%	36%	19%	21%	22%	22%
Charrúa 390 MVA 220/154 kV	53%	54%	54%	54%	54%	54%	54%
Charrúa 75 MVA 154/66 kV T2	44%	35%	35%	35%	35%	35%	35%
Charrúa 75 MVA 154/66 kV T7							
Chiloé 90 MVA 220/110/23 kV	8%	9%	9%	8%	7%	6%	6%
Concepción 260 MVA 220/154 kV	69%	68%	69%	68%	69%	69%	69%
Concepción 30 MVA 154/66 kV 1	95%	98%	95%	95%	96%	96%	95%
Concepción 30 MVA 154/66 kV 2	30%	42%	33%	35%	28%	29%	29%
Concepción 30 MVA 154/66 kV 3	33%	44%	34%	37%	29%	30%	31%
Coronel 56 MVA 154/69 kV T5	52%	50%	30%	31%	28%	29%	29%
Coronel 56 MVA 154/69 kV T6	33%	32%	23%	24%	24%	25%	26%

Coronel 60 MVA 154/69 kV T3	67%	64%	49%	49%	47%	49%	50%
Coronel 60 MVA 154/69 kV T4	59%	59%	31%	32%	29%	31%	31%
Duqueco 75 MVA 220/66 kV	14%	13%	14%	14%	14%	15%	15%
Epuleufu 90 MVA 220/66 kV					41%	43%	44%
Gamboa 90 MVA 220/110 kV 1	14%	13%	13%	14%	14%	15%	15%
Gamboa 90 MVA 220/110 kV 2	14%	13%	13%	14%	14%	15%	15%
Guindos 90 MVA 220/66 kV			65%	64%	57%	59%	60%
Hualpén 300 MVA 220/154 kV	55%	59%	44%	42%	40%	41%	41%
La Señoraza 25 MVA 220/66 kV				35%	28%	27%	28%
Lagunillas 390 MVA 230/161/69 kV	38%	46%	25%	23%	20%	21%	21%
Lastarria 75 MVA 220/66 kV			26%	30%	30%	31%	32%
Llanquihue 90 MVA 220/66 kV	18%	17%	18%	19%	19%	21%	22%
Llollehue 90 MVA 1 220/66 kV	22%	20%	18%	19%	18%	20%	20%
Llollehue 90 MVA 2 220/66 kV	22%	20%	18%	19%	18%	20%	20%
Los Ángeles 56 MVA 154/66/13,8 kV T3	45%	43%	40%	41%	18%	20%	20%
Los Ángeles 75 MVA 154/66/13,8 kV T4	50%	48%	44%	45%	14%	16%	17%
Los Peumos 75 MVA 220/66 kV	13%	12%	6%	7%	9%	11%	12%
Los Varones 90 MVA 220/66 kV			8%	8%	8%	9%	9%
Melipulli 60 MVA 220/110 kV (T11)	51%	47%	49%	57%	57%	60%	61%
Melipulli 60 MVA 220/66 kV (T22)	20%	18%	19%	20%	21%	22%	23%
Metrenco 2x60 MVA 220/66 kV			20%	22%	22%	24%	24%
Nueva Valdivia 60 MVA 220/66 kV					30%	32%	33%
Pargua 60 MVA 220/110 kV	19%	17%	18%	19%	19%	20%	20%
Pilauco 120 MVA 220/66 kV	19%	17%	18%	19%	19%	21%	22%
Talcahuano 56 MVA 154/69 kV 4	48%	47%	48%	49%	50%	52%	53%
Talcahuano 75 MVA 154/69 kV 2	45%	45%	46%	47%	47%	50%	51%
Temuco 60 MVA 220/66 kV T1	40%	37%	22%	23%	23%	25%	26%
Temuco 75 MVA 220/66 kV T2	48%	45%	27%	28%	28%	31%	32%
Temuco 75 MVA 220/66 kV T7	46%	43%	26%	26%	27%	29%	30%
Temuco 75 MVA 220/66 kV T8	42%	40%	24%	25%	25%	27%	28%
Valdivia 220/66 kV 60 MVA	46%	44%	42%	45%	32%	34%	35%

Valdivia 220/66 kV 60 MVA 4	46%	44%	42%	45%	32%	34%	35%
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1.6.3 LÍNEAS DE TRANSMISIÓN

Tabla 1-51. Cargabilidad de líneas de transmisión en escenario Verano Día, zona Charrúa – Chiloé.

Línea de Transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Aihuapi - Los Negros	10%	9%	9%	10%	10%	11%	11%
1x110 kV Alto Bonito - Molinos	29%	28%	29%	35%	35%	36%	37%
1x110 kV Ancud - Chiloé	24%	23%	24%	25%	25%	26%	27%
1x110 kV Castro - Chonchi	59%	55%	56%	58%	58%	61%	62%
1x110 kV Chiloé - Dalcahue	28%	25%	25%	26%	26%	28%	28%
1x110 kV Chiloé - Degañ	9%	9%	9%	9%	9%	10%	10%
1x110 kV Chonchi - Quellon	44%	41%	41%	43%	42%	45%	45%
1x110 kV Colaco - Pargua	21%	21%	21%	22%	22%	23%	23%
1x110 kV Dalcahue - Pid Pid	13%	13%	13%	14%	14%	15%	15%
1x110 kV El Empalme - Calbuco	15%	15%	15%	16%	16%	16%	17%
1x110 kV El Empalme - Ilque	0%	0%	0%	22%	22%	23%	24%
1x110 kV Empalme - Colaco	1%	1%	1%	1%	1%	1%	1%
1x110 kV Gamboa - Castro	19%	19%	20%	20%	20%	22%	22%
1x110 kV Melipulli - Alto Bonito	56%	54%	55%	62%	63%	66%	67%
1x110 kV Molino - Empalme	29%	28%	29%	35%	35%	36%	37%
1x110 kV Nueva Valdivia - Picarte	0%	0%	0%	0%	16%	17%	17%
1x110 kV Pid Pid - Castro(Gamboa)	1%	1%	1%	1%	1%	1%	1%
1x154 kV Charrúa - Concepción	21%	19%	17%	33%	36%	41%	41%
1x154 kV Charrúa - Los Ángeles	122%	116%	121%	101%	103%	41%	42%
1x154 kV Concepción - Alonso de Ribera	60%	42%	43%	26%	28%	30%	30%
1x154 kV Coronel - Quiñenco	58%	58%	38%	37%	34%	36%	37%
1x154 kV Fopaco - Lagunillas	27%	24%	29%	10%	9%	9%	9%
1x154 kV Hualpén - Mapal	23%	20%	24%	10%	10%	11%	11%
1x154 kV Hualpén - Petroquímicas	32%	32%	32%	33%	32%	33%	33%

1x154 kV Lagunillas - Quiñenco	58%	58%	38%	37%	34%	36%	37%
1x154 kV Mapal - Fopaco	28%	24%	29%	13%	12%	13%	13%
1x154 kV Petroquimicas - Hualpén	58%	57%	54%	36%	33%	33%	33%
1x154 kV San Vicente - Hualpén	45%	44%	40%	22%	20%	19%	20%
1x154 kV San Vicente - Petroquimica	24%	23%	20%	7%	8%	8%	8%
1x154 kV San Vicente - Talcahuano	58%	57%	58%	61%	61%	64%	65%
1x220 kV Guindo - Lagunillas	0%	0%	67%	24%	25%	26%	26%
1x220 kV Hualpén - Guindo	0%	0%	40%	24%	30%	30%	30%
1x220 kV Los Ciruelos - Mariquina	4%	3%	4%	4%	4%	4%	4%
1x220 kV Mulchén - Picoltué	2%	2%	2%	2%	2%	3%	3%
1x66 kV Alonso de Ribera - Andalién							
1x66 kV Alonso de Ribera - Chiguayante	39%	38%	40%	35%	26%	26%	27%
1x66 kV Alonso de Ribera - Colo Colo	102%	66%	68%	71%	71%	75%	77%
1x66 kV Alonso de Ribera - Ejército	84%	37%	38%	40%	40%	43%	44%
1x66 kV Alonso de Ribera - Penco	28%	28%	29%	30%	30%	31%	32%
1x66 kV Alonso de Ribera - Perales	0%	0%	0%	0%	0%	0%	0%
1x66 kV Angol - Deuco	14%	12%	13%	13%	14%	13%	13%
1x66 kV Angol - Epuleufú	0%	0%	0%	0%	0%	16%	17%
1x66 kV Angol - Los Sauces	18%	17%	18%	18%	18%	17%	17%
1x66 kV Arenas Blancas - Puchoco	5%	5%	5%	5%	5%	6%	6%
1x66 kV Arenas Blancas - Tap Polpaico	39%	37%	22%	18%	16%	16%	16%
1x66 kV Barro Blanco - Pichil	15%	14%	14%	15%	15%	16%	17%
1x66 kV Carampangue - Curanilahue Norte	30%	30%	31%	32%	33%	34%	35%
1x66 kV Carampangue - Tap Carampangue Sur	8%	8%	8%	9%	9%	9%	9%
1x66 kV Cerro Chepe - Tap San Pedro C1	40%	31%	32%	16%	20%	21%	21%
1x66 kV Cerro Chepe - Tap San Pedro C2	39%	30%	31%	16%	20%	20%	20%
1x66 kV Charrúa - Cabrero	88%	72%	73%	74%	73%	74%	75%
1x66 kV Charrúa - Enlace	21%	21%	21%	21%	21%	20%	20%
1x66 kV Charrúa - Laja	90%	89%	93%	97%	32%	18%	18%
1x66 kV Chivilcán - Las Encinas	42%	0%	0%	0%	0%	0%	0%
1x66 kV Collipulli - Angol	20%	18%	19%	20%	20%	18%	19%

1x66 kV Colo Colo - Ejército	8%	36%	37%	38%	39%	41%	42%
1x66 kV Concepción - Penco	28%	29%	29%	31%	46%	47%	48%
1x66 kV Coronel - Arenas Blancas	61%	58%	41%	39%	35%	37%	37%
1x66 kV Coronel - Arr. Lota (Enacar)	39%	36%	27%	27%	26%	28%	28%
1x66 kV Coronel - Arr. Lota (Frontel)	44%	30%	41%	45%	47%	50%	52%
1x66 kV Coronel - Transformador N°6	0%	0%	0%	0%	0%	0%	0%
1x66 kV Curanilahue - Tres Pinos	6%	5%	6%	6%	7%	7%	8%
1x66 kV Curanilahue Norte - Curanilahue	30%	29%	30%	32%	32%	34%	35%
1x66 kV Curanilahue Norte - Tap Carampangue Sur	14%	14%	14%	15%	15%	16%	17%
1x66 kV Curanilahue Norte - Tres Pinos	14%	14%	14%	15%	15%	16%	17%
1x66 kV Deuco - Angol	8%	8%	8%	8%	8%	7%	7%
1x66 kV Ejército - Tap Cerro Chepe C1	40%	30%	32%	16%	20%	21%	21%
1x66 kV Enlace - Fibranova	0%	0%	0%	0%	0%	0%	0%
1x66 kV Epuleufú - Renaico	0%	0%	0%	0%	0%	28%	29%
1x66 kV Estructura 72 - Escuadrón	0%	0%	33%	41%	49%	51%	53%
1x66 kV Horcones - Arauco	26%	0%	0%	0%	0%	0%	0%
1x66 kV Horcones - Carampangue	32%	31%	32%	34%	34%	36%	37%
1x66 kV Horcones - Carampangue Sur	22%	22%	22%	24%	24%	26%	26%
1x66 kV Indura Lirquén - Lirquén	26%	26%	26%	28%	28%	30%	31%
1x66 kV La Señoraza - Laja	0%	0%	0%	0%	34%	29%	29%
1x66 kV La Unión - Pichirropulli (Llollehue)	0%	41%	42%	43%	43%	45%	46%
1x66 kV Laja - FFCC Laja	0%	0%	0%	0%	0%	0%	0%
1x66 kV Latorre - Tumbes	23%	22%	22%	23%	23%	24%	24%
1x66 kV Licanco - Nueva Imperial	74%	72%	73%	77%	13%	14%	14%
1x66 kV Loma Colorada - Estructura	0%	0%	38%	48%	56%	59%	61%
1x66 kV Los Ángeles - Los Buenos Aires	52%	48%	51%	52%	53%	45%	45%
1x66 kV Los Ángeles - Manso de Velasco	104%	99%	103%	62%	63%	63%	64%
1x66 kV Los Ángeles - Pangué	19%	19%	20%	21%	21%	22%	23%
1x66 kV Los Ángeles - Pangué	9%	9%	9%	9%	9%	9%	9%
1x66 kV Los Buenos Aires - Negrete	56%	52%	56%	57%	58%	49%	49%
1x66 kV Los Peumos - Curacautín	17%	16%	17%	18%	18%	20%	20%

1x66 kV Los tambores - La Unión C1	55%	73%	70%	72%	92%	97%	100%
1x66 kV Lota (Enacar) - Arr. Colcura	35%	26%	27%	26%	27%	28%	29%
1x66 kV Manso de Velasco - El Avellano	41%	39%	40%	0%	0%	0%	0%
1x66 kV Metrenco - Pitrufquén	60%	42%	31%	34%	35%	38%	40%
1x66 kV Negrete - Epuleufú	0%	0%	0%	0%	0%	77%	79%
1x66 kV Nueva Pillanlelbún - Lautaro	0%	0%	39%	38%	42%	43%	43%
1x66 kV Paillaco - Los Lagos	87%	78%	64%	65%	54%	58%	60%
1x66 kV Paños Bellavista - Tomé	40%	41%	42%	44%	64%	66%	67%
1x66 kV Penco - Indura Lirquén	29%	29%	29%	31%	31%	32%	33%
1x66 kV Penco - Paños Bellavista	40%	41%	42%	44%	64%	66%	67%
1x66 kV Pichirropulli - Paillaco	74%	94%	78%	80%	67%	72%	75%
1x66 kV Pilauco - Barro Blanco	45%	36%	35%	37%	37%	39%	40%
1x66 kV Pilauco - Remehue C1	0%	11%	14%	14%	14%	15%	15%
1x66 kV Pilauco - Remehue C2	0%	9%	9%	9%	9%	11%	12%
1x66 kV Pillanlelbún - Nueva Pillanlelbún	0%	0%	33%	32%	36%	37%	37%
1x66 kV Pitrufquén - Tap Gorbea	46%	29%	20%	23%	24%	27%	28%
1x66 kV Pitrufquén - Tap Gorbea	36%	21%	15%	17%	19%	21%	22%
1x66 kV Pullinque - Los Lagos	35%	22%	30%	31%	24%	25%	25%
1x66 kV Pullinque - Tap Panguipulli	79%	56%	71%	74%	70%	72%	72%
1x66 kV Pumahue - Chivilcán	103%	48%	50%	52%	54%	57%	59%
1x66 kV Remehue - La Unión	0%	41%	39%	38%	41%	43%	43%
1x66 kV Remehue - Los Tambores	0%	33%	31%	30%	28%	29%	29%
1x66 kV Remehue - Osorno C1	0%	8%	8%	8%	9%	10%	10%
1x66 kV Renaico - Nahuelbuta	62%	56%	60%	61%	63%	28%	29%
1x66 kV Seccionadora Lota - Lota	21%	21%	21%	23%	23%	24%	25%
1x66 kV Talcahuano - Perales	33%	33%	34%	36%	36%	38%	39%
1x66 kV Tap Enacar - Enacar	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Loma Colorada - Loma Colorada	51%	51%	83%	31%	33%	35%	35%
1x66 kV Tap Lota (Frontel) - Horcones	46%	34%	35%	26%	27%	28%	29%
1x66 kV TAP LOTA ENACAR - Tap Lota	43%	40%	30%	30%	29%	31%	32%
1x66 kV Tap Panguipulli - Los Lagos	24%	22%	20%	21%	13%	15%	16%

1x66 kV Tap Polpaico - Escuadrón	30%	28%	16%	14%	14%	15%	15%
1x66 kV Tap-off Colcura - Horcones	72%	53%	55%	26%	27%	28%	29%
1x66 kV Temuco - Padre las Casas	84%	82%	24%	26%	24%	26%	27%
1x66 kV Temuco - Padre las Casas	84%	82%	24%	26%	24%	26%	27%
1x66 kV Temuco - Pillanlelbún	34%	33%	21%	20%	24%	24%	25%
1x66 kV Tomé - Mahns	21%	22%	22%	23%	22%	24%	24%
1x66 kV Transformador N°6 - Manco	39%	36%	27%	27%	26%	28%	28%
1x66 kV Tres Bocas - Corral	7%	7%	7%	8%	8%	8%	8%
1x66 kV Tres Bocas - Picarte	7%	7%	7%	7%	7%	8%	8%
1x66 kV Tres Pinos - Cañete	11%	11%	11%	12%	12%	13%	14%
1x66 kV Valdivia - Los Lagos	93%	12%	14%	15%	10%	11%	12%
1x66 kV Victoria - Collipulli	1%	1%	1%	1%	1%	1%	1%
1x66 kV Victoria - Los Peumo	34%	30%	23%	24%	28%	32%	34%
1x66 kV Victoria - Tap Lautaro	7%	6%	15%	16%	10%	8%	8%
1x66 kV Victoria - Traiguén	23%	22%	23%	25%	25%	27%	28%
1x66 kV Villarrica - Pucón	28%	25%	25%	26%	35%	36%	36%
2x110 kV Chiloé - Gamboa C1	16%	15%	15%	16%	16%	16%	17%
2x110 kV Chiloé - Gamboa C2	16%	15%	15%	16%	16%	16%	17%
2x154 kV Concepción - San Vicente C1	16%	23%	21%	34%	38%	39%	39%
2x154 kV Concepción - San Vicente C2	16%	23%	21%	34%	38%	39%	39%
2x220 kV Puerto Montt - Melipulli C1	25%	22%	23%	24%	18%	19%	20%
2x220 kV Puerto Montt - Melipulli C2	25%	22%	23%	24%	18%	19%	20%
2x66 kV Barro Blanco - Purranque C1	70%	43%	41%	41%	41%	43%	45%
2x66 kV Barro Blanco - Purranque C2	70%	43%	41%	41%	41%	43%	45%
2x66 kV Concepción - Andalién C1	49%	47%	47%	50%	50%	52%	53%
2x66 kV Concepción - Andalién C2	30%	29%	29%	31%	31%	32%	33%
2x66 kV Concepción - Ejército C1	40%	61%	29%	40%	58%	61%	62%
2x66 kV Concepción - Ejército C2	0%	59%	28%	39%	56%	59%	60%
2x66 kV Dichato - Tome C1	0%	0%	0%	0%	16%	17%	17%
2x66 kV Dichato - Tome C2	0%	0%	0%	0%	16%	17%	17%
2x66 kV Ejército - Tap Cerro Chepe C2	0%	30%	31%	16%	20%	20%	20%

2x66 kV Estructura 44 - San Pedro C1	19%	18%	18%	19%	19%	20%	21%
2x66 kV Estructura 44 - San Pedro C2	19%	18%	19%	19%	19%	20%	21%
2x66 kV Frutillar - Purranque 66 kV C1	47%	8%	21%	23%	24%	26%	27%
2x66 kV Frutillar - Purranque 66 kV C2	2%	2%	2%	2%	2%	2%	2%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	22%	30%	38%	40%	41%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	22%	30%	38%	40%	41%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	22%	30%	38%	40%	41%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	22%	30%	38%	40%	41%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	86%	68%	44%	45%	45%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	86%	68%	44%	45%	45%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	86%	68%	44%	45%	45%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	86%	68%	44%	45%	45%
2x66 kV L1 Pilauco - Osorno C1	82%	26%	29%	31%	32%	35%	36%
2x66 kV L1 Pilauco - Osorno C2	82%	26%	29%	31%	32%	35%	36%
2x66 kV Las Encinas - Padre Las Casas	15%	26%	27%	28%	29%	31%	32%
2x66 kV Lastarria - Loncoche 66 kV C1	0%	0%	32%	35%	38%	41%	43%
2x66 kV Lastarria - Loncoche 66 kV C2	0%	0%	32%	35%	38%	41%	43%
2x66 kV Licanco - Metrenco C1	60%	42%	46%	48%	37%	39%	41%
2x66 kV Licanco - Metrenco C2	0%	0%	43%	45%	36%	38%	40%
2x66 kV Llanquihue - Frutillar C1	0%	1%	1%	1%	1%	1%	1%
2x66 kV Llanquihue - Frutillar C2	0%	22%	28%	31%	32%	35%	37%
2x66 kV Llollel hue - La Unión C1	0%	21%	21%	21%	22%	23%	24%
2x66 kV Llollel hue - La Unión C2	0%	21%	21%	21%	22%	23%	24%
2x66 kV Loncoche - Pullinque C1	14%	24%	13%	13%	12%	12%	13%
2x66 kV Loncoche - Pullinque C2	14%	24%	13%	13%	12%	12%	13%
2x66 kV Loncoche - Villarrica C1	41%	37%	37%	39%	52%	53%	54%
2x66 kV Loncoche - Villarrica C2	16%	15%	15%	16%	16%	17%	17%
2x66 kV Los Ángeles - Tap Duqueco C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Ángeles - Tap Duqueco C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Varones - El Avellano C1	0%	0%	0%	9%	9%	10%	10%
2x66 kV Los Varones - El Avellano C2	0%	0%	0%	9%	9%	10%	10%

2x66 kV Melipulli - Sangra C1	76%	34%	34%	36%	39%	41%	43%
2x66 kV Melipulli - Sangra C2	76%	34%	34%	36%	39%	41%	43%
2x66 kV Metrenco - Nueva Imperial C1	0%	0%	0%	0%	10%	10%	11%
2x66 kV Metrenco - Nueva Imperial C2	0%	0%	0%	0%	10%	10%	11%
2x66 kV Padre las Casas - Licanco C1	104%	85%	11%	12%	23%	26%	27%
2x66 kV Padre las Casas - Licanco C2	63%	44%	43%	45%	36%	38%	40%
2x66 kV Pitrufulquén - Metrenco C2	0%	0%	33%	36%	36%	40%	41%
2x66 kV Pto. Varas - Llanquihue C1	1%	49%	52%	53%	50%	53%	54%
2x66 kV Pto. Varas - Llanquihue C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Puerto Varas - Sangra C1	57%	16%	16%	17%	20%	21%	22%
2x66 kV Puerto Varas - Sangra C2	57%	16%	16%	17%	20%	21%	22%
2x66 kV Remehue - La Misión C1	0%	8%	8%	8%	8%	8%	8%
2x66 kV Remehue - La Misión C2	0%	8%	8%	8%	8%	8%	8%
2x66 kV Remehue - Osorno C2	0%	11%	14%	14%	14%	15%	15%
2x66 kV Río Negro - Purranque C1	65%	39%	36%	37%	37%	38%	39%
2x66 kV Río Negro - Purranque C2	65%	39%	36%	37%	37%	38%	39%
2x66 kV Talcahuano - Latorre C1	48%	46%	47%	49%	48%	51%	51%
2x66 kV Talcahuano - Latorre C2	5%	5%	5%	5%	5%	5%	5%
2x66 kV Tap Gorbea - Lastarria C1	0%	0%	14%	16%	19%	21%	22%
2x66 kV Tap Gorbea - Lastarria C2	0%	0%	14%	16%	19%	21%	22%
2x66 kV Tap Loma Colorada - Coronel C1	55%	68%	27%	23%	16%	16%	16%
2x66 kV Tap Loma Colorada - Coronel C2	55%	68%	27%	23%	16%	16%	16%
2x66 kV Temuco - Pumahue C1	52%	50%	52%	53%	54%	58%	60%
2x66 kV Temuco - Pumahue C2	87%	41%	42%	44%	45%	48%	50%
2x66 kV Valdivia - Picarte C1	109%	107%	110%	115%	49%	52%	53%
2x66 kV Valdivia - Picarte C2	101%	99%	102%	107%	45%	48%	49%

Tabla 1-52. Cargabilidad de líneas de transmisión en escenario Verano Noche, zona Charrúa – Chiloé.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Aihuapi - Los Negros	3%	3%	3%	4%	4%	4%	4%
1x110 kV Alto Bonito - Molinos	23%	23%	23%	28%	28%	29%	29%
1x110 kV Ancud - Chiloé	16%	16%	16%	17%	17%	18%	19%
1x110 kV Castro - Chonchi	39%	37%	37%	38%	39%	41%	41%
1x110 kV Chiloé - Dalcahue	24%	21%	21%	22%	22%	23%	24%
1x110 kV Chiloé - Degañ	6%	6%	6%	6%	6%	7%	7%
1x110 kV Chonchi - Quellon	49%	45%	46%	47%	47%	50%	50%
1x110 kV Colaco - Pargua	17%	17%	17%	18%	18%	19%	19%
1x110 kV Dalcahue - Pid Pid	10%	10%	10%	10%	10%	11%	11%
1x110 kV El Empalme - Calbuco	12%	12%	12%	13%	13%	13%	13%
1x110 kV El Empalme - Ilque	0%	0%	0%	18%	18%	19%	19%
1x110 kV Empalme - Colaco	1%	1%	1%	1%	1%	1%	1%
1x110 kV Gamboa - Castro	12%	12%	13%	13%	13%	14%	14%
1x110 kV Melipulli - Alto Bonito	42%	40%	41%	46%	47%	49%	50%
1x110 kV Molino - Empalme	23%	23%	23%	28%	28%	29%	29%
1x110 kV Nueva Valdivia - Picarte	0%	0%	0%	0%	15%	15%	16%
1x110 kV Pid Pid - Castro(Gamboa)	0%	0%	0%	0%	0%	0%	0%
1x154 kV Charrúa - Concepción	21%	19%	17%	31%	33%	37%	38%
1x154 kV Charrúa - Los Ángeles	55%	53%	55%	48%	49%	18%	19%
1x154 kV Concepción - Alonso de Ribera	44%	30%	31%	16%	18%	19%	19%
1x154 kV Coronel - Quiñenco	43%	45%	30%	29%	27%	28%	29%
1x154 kV Fopaco - Lagunillas	28%	26%	29%	11%	9%	9%	9%
1x154 kV Hualpén - Mapal	21%	18%	21%	10%	10%	10%	10%
1x154 kV Hualpén - Petroquimicas	32%	32%	32%	33%	32%	32%	32%
1x154 kV Lagunillas - Quiñenco	43%	45%	30%	29%	27%	28%	29%
1x154 kV Mapal - Fopaco	25%	22%	25%	10%	9%	9%	9%
1x154 kV Petroquimicas - Hualpén	51%	50%	47%	32%	29%	29%	29%
1x154 kV San Vicente - Hualpén	39%	38%	35%	19%	17%	17%	17%

1x154 kV San Vicente - Petroquímica	21%	20%	17%	5%	5%	6%	6%
1x154 kV San Vicente - Talcahuano	50%	49%	51%	53%	53%	55%	56%
1x220 kV Guindo - Lagunillas	0%	0%	49%	17%	18%	18%	19%
1x220 kV Hualpén - Guindo	0%	0%	30%	18%	22%	22%	22%
1x220 kV Los Ciruelos - Mariquina	4%	4%	4%	4%	4%	4%	4%
1x220 kV Mulchén - Picoltué	2%	2%	2%	2%	2%	2%	2%
1x66 kV Alonso de Ribera - Andalién							
1x66 kV Alonso de Ribera - Chiguayante	46%	45%	47%	22%	14%	14%	13%
1x66 kV Alonso de Ribera - Colo Colo	55%	29%	30%	32%	32%	33%	34%
1x66 kV Alonso de Ribera - Ejército	50%	17%	17%	18%	18%	19%	19%
1x66 kV Alonso de Ribera - Penco	26%	26%	27%	28%	28%	29%	30%
1x66 kV Alonso de Ribera - Perales	0%	0%	0%	0%	0%	0%	0%
1x66 kV Angol - Deuco	9%	8%	8%	9%	9%	9%	9%
1x66 kV Angol - Epuleufú	0%	0%	0%	0%	0%	15%	15%
1x66 kV Angol - Los Sauces	20%	19%	20%	20%	21%	20%	21%
1x66 kV Arenas Blancas - Puchoco	3%	3%	3%	3%	4%	4%	4%
1x66 kV Arenas Blancas - Tap Polpaico	11%	11%	10%	8%	9%	9%	9%
1x66 kV Barro Blanco - Pichil	11%	10%	11%	11%	11%	12%	12%
1x66 kV Carampangue - Curanilahue Norte	26%	26%	27%	28%	28%	30%	31%
1x66 kV Carampangue - Tap Carampangue Sur	7%	7%	7%	7%	7%	8%	8%
1x66 kV Cerro Chepe - Tap San Pedro C1	35%	28%	30%	17%	15%	16%	15%
1x66 kV Cerro Chepe - Tap San Pedro C2	34%	27%	29%	16%	15%	15%	15%
1x66 kV Charrúa - Cabrero	84%	69%	70%	71%	70%	72%	72%
1x66 kV Charrúa - Enlace	17%	17%	17%	17%	17%	16%	16%
1x66 kV Charrúa - Laja	45%	45%	47%	49%	16%	11%	11%
1x66 kV Chivilcán - Las Encinas	43%	0%	0%	0%	0%	0%	0%
1x66 kV Collipulli - Angol	15%	14%	15%	15%	16%	15%	15%
1x66 kV Colo Colo - Ejército	6%	17%	17%	18%	18%	19%	19%
1x66 kV Concepción - Penco	16%	16%	17%	18%	42%	44%	44%
1x66 kV Coronel - Arenas Blancas	28%	27%	24%	21%	18%	19%	19%
1x66 kV Coronel - Arr. Lota (Enacar)	29%	31%	23%	23%	22%	23%	24%

1x66 kV Coronel - Arr. Lota (Frontel)	28%	27%	37%	40%	42%	44%	46%
1x66 kV Coronel - Transformador N°6	0%	0%	0%	0%	0%	0%	0%
1x66 kV Curanilahue - Tres Pinos	11%	11%	12%	12%	13%	14%	14%
1x66 kV Curanilahue Norte - Curanilahue	26%	25%	26%	28%	28%	30%	31%
1x66 kV Curanilahue Norte - Tap Carampangue Sur	15%	15%	15%	16%	16%	17%	18%
1x66 kV Curanilahue Norte - Tres Pinos	15%	14%	15%	16%	16%	17%	18%
1x66 kV Deuco - Angol	7%	6%	7%	6%	6%	6%	6%
1x66 kV Ejército - Tap Cerro Chepe C1	35%	28%	30%	16%	15%	15%	15%
1x66 kV Enlace - Fibranova	0%	0%	0%	0%	0%	0%	0%
1x66 kV Epuleufú - Renaico	0%	0%	0%	0%	0%	20%	21%
1x66 kV Estructura 72 - Escuadrón	0%	0%	18%	21%	26%	27%	27%
1x66 kV Horcones - Arauco	15%	0%	0%	0%	0%	0%	0%
1x66 kV Horcones - Carampangue	29%	28%	29%	30%	31%	33%	34%
1x66 kV Horcones - Carampangue Sur	21%	21%	22%	23%	23%	25%	25%
1x66 kV Indura Lirquén - Lirquén	21%	21%	22%	23%	23%	25%	25%
1x66 kV La Señoraza - Laja	0%	0%	0%	0%	31%	27%	28%
1x66 kV La Unión - Pichirropulli (Llollehue)	0%	29%	29%	30%	30%	31%	32%
1x66 kV Laja - FFCC Laja	0%	0%	0%	0%	0%	0%	0%
1x66 kV Latorre - Tumbes	19%	18%	18%	19%	19%	20%	20%
1x66 kV Licanco - Nueva Imperial	56%	54%	56%	58%	9%	9%	10%
1x66 kV Loma Colorada - Estructura	0%	0%	21%	24%	30%	31%	31%
1x66 kV Los Ángeles - Los Buenos Aires	34%	33%	34%	35%	36%	33%	33%
1x66 kV Los Ángeles - Manso de Velasco	58%	56%	58%	35%	35%	36%	37%
1x66 kV Los Ángeles - Pangué	13%	13%	13%	13%	13%	14%	14%
1x66 kV Los Ángeles - Pangué	7%	7%	7%	7%	7%	8%	8%
1x66 kV Los Buenos Aires - Negrete	37%	35%	37%	39%	39%	36%	36%
1x66 kV Los Peumos - Curacautín	13%	12%	13%	13%	14%	15%	15%
1x66 kV Los tambores - La Unión C1	37%	39%	40%	41%	53%	56%	57%
1x66 kV Lota (Enacar) - Arr. Colcura	23%	23%	24%	23%	24%	25%	26%
1x66 kV Manso de Velasco - El Avellano	26%	25%	26%	0%	0%	0%	0%
1x66 kV Metrenco - Pitrufquén	47%	32%	22%	24%	24%	27%	28%

1x66 kV Negrete - Epuleufú	0%	0%	0%	0%	0%	73%	74%
1x66 kV Nueva Pillanlelbún - Lautaro	0%	0%	29%	29%	32%	32%	33%
1x66 kV Paillaco - Los Lagos	43%	58%	46%	45%	37%	39%	40%
1x66 kV Paños Bellavista - Tomé	21%	22%	23%	24%	58%	60%	61%
1x66 kV Penco - Indura Lirquén	24%	25%	25%	26%	26%	27%	28%
1x66 kV Penco - Paños Bellavista	22%	22%	23%	24%	58%	60%	61%
1x66 kV Pichirropulli - Paillaco	37%	68%	56%	56%	47%	50%	52%
1x66 kV Pilauco - Barro Blanco	41%	32%	32%	33%	34%	36%	37%
1x66 kV Pilauco - Remehue C1	0%	11%	11%	11%	11%	11%	11%
1x66 kV Pilauco - Remehue C2	0%	4%	4%	4%	4%	5%	6%
1x66 kV Pillanlelbún - Nueva Pillanlelbún	0%	0%	24%	24%	27%	27%	27%
1x66 kV Pitrufrquén - Tap Gorbea	34%	20%	11%	12%	13%	15%	16%
1x66 kV Pitrufrquén - Tap Gorbea	27%	14%	7%	8%	10%	11%	12%
1x66 kV Pullinque - Los Lagos	16%	14%	14%	15%	9%	10%	11%
1x66 kV Pullinque - Tap Panguipulli	49%	35%	46%	48%	45%	47%	47%
1x66 kV Pumahué - Chivilcán	70%	30%	31%	32%	33%	35%	36%
1x66 kV Remehue - La Unión	0%	22%	22%	22%	24%	24%	25%
1x66 kV Remehue - Los Tambores	0%	17%	17%	16%	15%	15%	15%
1x66 kV Remehue - Osorno C1	0%	4%	4%	4%	4%	5%	5%
1x66 kV Renaico - Nahuelbuta	41%	38%	41%	42%	43%	20%	21%
1x66 kV Seccionadora Lota - Lota	27%	26%	27%	28%	29%	30%	31%
1x66 kV Talcahuano - Perales	30%	31%	32%	33%	34%	35%	36%
1x66 kV Tap Enacar - Enacar	0%	0%	0%	0%	0%	0%	0%
1x66 kV Tap Loma Colorada - Loma Colorada	50%	50%	58%	24%	26%	27%	28%
1x66 kV Tap Lota (Frontel) - Horcones	30%	30%	31%	25%	26%	27%	28%
1x66 kV TAP LOTA ENACAR - Tap Lota	32%	34%	25%	25%	24%	25%	26%
1x66 kV Tap Panguipulli - Los Lagos	13%	17%	11%	12%	7%	8%	9%
1x66 kV Tap Polpaico - Escuadrón	11%	10%	9%	7%	9%	9%	9%
1x66 kV Tap-off Colcura - Horcones	47%	47%	49%	25%	26%	27%	28%
1x66 kV Temuco - Padre las Casas	69%	69%	20%	21%	20%	22%	22%
1x66 kV Temuco - Padre las Casas	69%	69%	20%	21%	20%	22%	22%

1x66 kV Temuco - Pillanlelún	28%	27%	18%	18%	20%	21%	21%
1x66 kV Tomé - Mahns	15%	16%	16%	17%	16%	17%	18%
1x66 kV Transformador N°6 - Manco	29%	31%	23%	23%	22%	23%	24%
1x66 kV Tres Bocas - Corral	6%	6%	6%	6%	6%	7%	7%
1x66 kV Tres Bocas - Picarte	6%	6%	6%	6%	6%	7%	7%
1x66 kV Tres Pinos - Cañete	19%	19%	19%	21%	21%	23%	24%
1x66 kV Valdivia - Los Lagos	62%	12%	6%	8%	10%	11%	11%
1x66 kV Victoria - Collipulli	1%	1%	1%	1%	1%	1%	1%
1x66 kV Victoria - Los Peumo	26%	23%	17%	18%	21%	24%	26%
1x66 kV Victoria - Tap Lautaro	2%	4%	17%	17%	12%	10%	9%
1x66 kV Victoria - Traiguén	16%	16%	17%	17%	18%	19%	20%
1x66 kV Villarrica - Pucón	24%	22%	22%	23%	29%	30%	30%
2x110 kV Chiloé - Gamboa C1	11%	10%	11%	11%	11%	11%	11%
2x110 kV Chiloé - Gamboa C2	11%	10%	11%	11%	11%	11%	11%
2x154 kV Concepción - San Vicente C1	9%	17%	16%	34%	37%	38%	39%
2x154 kV Concepción - San Vicente C2	9%	17%	16%	34%	37%	38%	39%
2x220 kV Puerto Montt - Melipulli C1	14%	11%	12%	13%	14%	15%	16%
2x220 kV Puerto Montt - Melipulli C2	14%	11%	12%	13%	14%	15%	16%
2x66 kV Barro Blanco - Purranque C1	41%	24%	24%	25%	25%	26%	27%
2x66 kV Barro Blanco - Purranque C2	41%	24%	24%	25%	25%	26%	27%
2x66 kV Concepción - Andalién C1	49%	47%	48%	50%	50%	53%	54%
2x66 kV Concepción - Andalién C2	27%	26%	26%	27%	27%	28%	29%
2x66 kV Concepción - Ejército C1	35%	51%	24%	32%	44%	46%	47%
2x66 kV Concepción - Ejército C2	0%	50%	23%	30%	43%	45%	45%
2x66 kV Dichato - Tome C1	0%	0%	0%	0%	14%	15%	15%
2x66 kV Dichato - Tome C2	0%	0%	0%	0%	14%	15%	15%
2x66 kV Ejército - Tap Cerro Chepe C2	0%	27%	29%	16%	15%	15%	15%
2x66 kV Estructura 44 - San Pedro C1	19%	18%	18%	19%	19%	20%	21%
2x66 kV Estructura 44 - San Pedro C2	19%	18%	19%	19%	19%	20%	21%
2x66 kV Frutillar - Purranque 66 kV C1	28%	22%	21%	21%	20%	21%	21%
2x66 kV Frutillar - Purranque 66 kV C2	1%	2%	2%	2%	2%	2%	2%

2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	16%	22%	29%	30%	31%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	16%	22%	29%	30%	31%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	16%	22%	29%	30%	31%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	16%	22%	29%	30%	31%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	74%	58%	39%	40%	41%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	74%	58%	39%	40%	41%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	74%	58%	39%	40%	41%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	74%	58%	39%	40%	41%
2x66 kV L1 Pilauco - Osorno C1	51%	20%	20%	22%	22%	23%	24%
2x66 kV L1 Pilauco - Osorno C2	51%	20%	20%	22%	22%	23%	24%
2x66 kV Las Encinas - Padre Las Casas	16%	27%	27%	28%	29%	31%	32%
2x66 kV Lastarria - Loncoche 66 kV C1	0%	0%	25%	27%	29%	32%	33%
2x66 kV Lastarria - Loncoche 66 kV C2	0%	0%	25%	27%	29%	32%	33%
2x66 kV Licanco - Metrenco C1	47%	32%	42%	44%	32%	34%	35%
2x66 kV Licanco - Metrenco C2	0%	0%	40%	41%	31%	33%	34%
2x66 kV Llanquihue - Frutillar C1	0%	1%	1%	1%	1%	1%	1%
2x66 kV Llanquihue - Frutillar C2	0%	23%	24%	25%	26%	28%	29%
2x66 kV Llollehue - La Unión C1	0%	15%	15%	16%	16%	17%	18%
2x66 kV Llollehue - La Unión C2	0%	15%	15%	16%	16%	17%	18%
2x66 kV Loncoche - Pullinque C1	12%	21%	10%	10%	12%	11%	11%
2x66 kV Loncoche - Pullinque C2	12%	21%	10%	10%	12%	11%	11%
2x66 kV Loncoche - Villarrica C1	36%	33%	32%	34%	44%	45%	46%
2x66 kV Loncoche - Villarrica C2	12%	11%	11%	12%	12%	12%	13%
2x66 kV Los Ángeles - Tap Duqueco C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Ángeles - Tap Duqueco C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Varones - El Avellano C1	0%	0%	0%	7%	7%	8%	8%
2x66 kV Los Varones - El Avellano C2	0%	0%	0%	7%	7%	8%	8%
2x66 kV Melipulli - Sangra C1	62%	31%	31%	32%	32%	34%	35%
2x66 kV Melipulli - Sangra C2	62%	31%	31%	32%	32%	34%	35%
2x66 kV Metrenco - Nueva Imperial C1	0%	0%	0%	0%	10%	10%	11%
2x66 kV Metrenco - Nueva Imperial C2	0%	0%	0%	0%	10%	10%	11%

2x66 kV Padre las Casas - Licanco C1	88%	72%	7%	6%	19%	21%	21%
2x66 kV Padre las Casas - Licanco C2	50%	34%	40%	41%	31%	33%	34%
2x66 kV Pitrufrquén - Metrenco C2	0%	0%	23%	25%	25%	28%	30%
2x66 kV Pto. Varas - Llanquihue C1	1%	35%	38%	39%	40%	42%	43%
2x66 kV Pto. Varas - Llanquihue C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Puerto Varas - Sangra C1	46%	17%	16%	17%	17%	18%	18%
2x66 kV Puerto Varas - Sangra C2	46%	17%	16%	17%	17%	18%	18%
2x66 kV Remehue - La Misión C1	0%	6%	6%	6%	6%	6%	6%
2x66 kV Remehue - La Misión C2	0%	6%	6%	6%	6%	6%	6%
2x66 kV Remehue - Osorno C2	0%	11%	11%	11%	11%	11%	11%
2x66 kV Río Negro - Purranque C1	38%	22%	22%	22%	22%	23%	24%
2x66 kV Río Negro - Purranque C2	38%	22%	22%	22%	22%	23%	24%
2x66 kV Talcahuano - Latorre C1	40%	38%	39%	41%	40%	42%	43%
2x66 kV Talcahuano - Latorre C2	5%	5%	5%	4%	4%	4%	4%
2x66 kV Tap Gorbea - Lastarria C1	0%	0%	6%	7%	9%	11%	11%
2x66 kV Tap Gorbea - Lastarria C2	0%	0%	6%	6%	9%	10%	11%
2x66 kV Tap Loma Colorada - Coronel C1	51%	59%	21%	18%	14%	14%	14%
2x66 kV Tap Loma Colorada - Coronel C2	51%	59%	21%	18%	14%	14%	14%
2x66 kV Temuco - Pumahue C1	39%	38%	40%	41%	41%	44%	45%
2x66 kV Temuco - Pumahue C2	66%	28%	29%	30%	31%	33%	34%
2x66 kV Valdivia - Picarte C1	66%	65%	66%	69%	26%	28%	29%
2x66 kV Valdivia - Picarte C2	58%	57%	59%	62%	23%	25%	25%

Tabla 1-53. Cargabilidad de líneas de transmisión en escenario Invierno Día, zona Charrúa – Chiloé.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x110 kV Aihuapi - Los Negros	2%	2%	2%	2%	2%	3%	3%
1x110 kV Alto Bonito - Molinos	22%	21%	22%	26%	26%	27%	28%
1x110 kV Ancud - Chiloé	16%	16%	16%	17%	17%	18%	19%
1x110 kV Castro - Chonchi	31%	29%	29%	30%	31%	32%	33%
1x110 kV Chiloé - Dalcahue	23%	20%	21%	22%	22%	24%	24%
1x110 kV Chiloé - Degañ	6%	6%	6%	6%	6%	7%	7%

1x110 kV Chonchi - Quellon	37%	34%	35%	36%	36%	38%	38%
1x110 kV Colaco - Pargua	17%	17%	17%	18%	18%	19%	19%
1x110 kV Dalcahue - Pid Pid	12%	12%	12%	13%	13%	14%	14%
1x110 kV El Empalme - Calbuco	11%	11%	11%	11%	11%	12%	12%
1x110 kV El Empalme - Ilque	0%	0%	0%	17%	17%	18%	18%
1x110 kV Empalme - Colaco	1%	1%	1%	1%	1%	1%	1%
1x110 kV Gamboa - Castro	17%	16%	17%	18%	18%	19%	20%
1x110 kV Melipulli - Alto Bonito	46%	43%	45%	51%	51%	54%	55%
1x110 kV Molino - Empalme	22%	21%	21%	26%	26%	27%	28%
1x110 kV Nueva Valdivia - Picarte	0%	0%	0%	0%	17%	18%	18%
1x110 kV Pid Pid - Castro(Gamboa)	1%	1%	1%	1%	1%	1%	1%
1x154 kV Charrúa - Concepción	19%	23%	38%	37%	41%	42%	42%
1x154 kV Charrúa - Los Ángeles	47%	45%	37%	39%	14%	15%	16%
1x154 kV Concepción - Alonso de Ribera	57%	40%	41%	24%	25%	27%	28%
1x154 kV Coronel - Quiñenco	58%	60%	37%	38%	35%	37%	38%
1x154 kV Fopaco - Lagunillas	40%	25%	13%	11%	10%	10%	10%
1x154 kV Hualpén - Mapal	36%	22%	12%	12%	12%	12%	12%
1x154 kV Hualpén - Petroquimicas	31%	32%	32%	32%	31%	32%	32%
1x154 kV Lagunillas - Quiñenco	26%	60%	37%	38%	35%	37%	38%
1x154 kV Mapal - Fopaco	38%	24%	13%	11%	11%	11%	11%
1x154 kV Petroquimicas - Hualpén	58%	53%	36%	33%	30%	30%	30%
1x154 kV San Vicente - Hualpén	47%	41%	24%	20%	18%	18%	18%
1x154 kV San Vicente - Petroquimica	29%	23%	7%	6%	6%	6%	6%
1x154 kV San Vicente - Talcahuano	62%	61%	63%	64%	64%	68%	69%
1x220 kV Guindo - Lagunillas	0%	0%	22%	20%	21%	21%	21%
1x220 kV Hualpén - Guindo	0%	0%	17%	20%	24%	25%	25%
1x220 kV Los Ciruelos - Mariquina	4%	3%	4%	4%	4%	4%	4%
1x220 kV Mulchén - Picoltué	2%	2%	2%	2%	2%	2%	2%
1x66 kV Alonso de Ribera - Andalién							
1x66 kV Alonso de Ribera - Chiguayante	40%	39%	41%	33%	25%	26%	26%
1x66 kV Alonso de Ribera - Colo Colo	90%	57%	59%	61%	61%	65%	66%

1x66 kV Alonso de Ribera - Ejército	76%	32%	34%	35%	35%	37%	38%
1x66 kV Alonso de Ribera - Penco	31%	31%	32%	33%	33%	34%	35%
1x66 kV Alonso de Ribera - Perales	0%	0%	0%	0%	0%	0%	0%
1x66 kV Angol - Deuco	9%	9%	9%	8%	7%	7%	7%
1x66 kV Angol - Epuleufú	0%	0%	0%	0%	10%	11%	11%
1x66 kV Angol - Los Sauces	18%	17%	17%	18%	17%	18%	19%
1x66 kV Arenas Blancas - Puchoco	10%	10%	10%	11%	11%	11%	12%
1x66 kV Arenas Blancas - Tap Polpaico	36%	34%	9%	7%	7%	7%	7%
1x66 kV Barro Blanco - Pichil	0%	1%	1%	0%	0%	0%	0%
1x66 kV Carampangue - Curanilahue Norte	28%	28%	29%	30%	30%	32%	33%
1x66 kV Carampangue - Tap Carampangue Sur	8%	7%	8%	8%	8%	8%	9%
1x66 kV Cerro Chepe - Tap San Pedro C1	37%	33%	18%	16%	22%	22%	22%
1x66 kV Cerro Chepe - Tap San Pedro C2	36%	32%	17%	15%	22%	22%	22%
1x66 kV Charrúa - Cabrero	77%	64%	64%	65%	65%	66%	67%
1x66 kV Charrúa - Enlace	16%	16%	16%	16%	16%	16%	16%
1x66 kV Charrúa - Laja	2%	2%	2%	29%	23%	23%	23%
1x66 kV Chivilcán - Las Encinas	0%	0%	0%	0%	0%	0%	0%
1x66 kV Collipulli - Angol	12%	11%	12%	12%	12%	12%	13%
1x66 kV Colo Colo - Ejército	4%	31%	32%	33%	33%	35%	36%
1x66 kV Concepción - Penco	20%	20%	21%	21%	49%	51%	52%
1x66 kV Coronel - Arenas Blancas	69%	66%	40%	39%	36%	38%	39%
1x66 kV Coronel - Arr. Lota (Enacar)	32%	34%	25%	26%	25%	26%	27%
1x66 kV Coronel - Arr. Lota (Frontel)	24%	28%	39%	41%	43%	46%	47%
1x66 kV Coronel - Transformador N°6	0%	0%	0%	0%	0%	0%	0%
1x66 kV Curanilahue - Tres Pinos	7%	7%	7%	8%	8%	8%	9%
1x66 kV Curanilahue Norte - Curanilahue	28%	28%	29%	30%	30%	32%	33%
1x66 kV Curanilahue Norte - Tap Carampangue Sur	13%	13%	14%	14%	15%	16%	16%
1x66 kV Curanilahue Norte - Tres Pinos	13%	13%	14%	14%	15%	16%	16%
1x66 kV Deuco - Angol	20%	19%	19%	19%	18%	18%	18%
1x66 kV Ejército - Tap Cerro Chepe C1	37%	33%	18%	16%	22%	22%	22%
1x66 kV Enlace - Fibranova	0%	0%	0%	0%	0%	0%	0%

1x66 kV Epuleufú - Renaico	0%	0%	0%	0%	13%	14%	15%
1x66 kV Estructura 72 - Escuadrón	0%	0%	45%	48%	55%	58%	60%
1x66 kV Horcones - Arauco	18%	0%	0%	0%	0%	0%	0%
1x66 kV Horcones - Carampangue	30%	29%	30%	31%	32%	34%	35%
1x66 kV Horcones - Carampangue Sur	21%	20%	21%	22%	22%	24%	25%
1x66 kV Indura Lirquén - Lirquén	24%	24%	25%	26%	26%	28%	29%
1x66 kV La Señoraza - Laja	0%	0%	0%	16%	13%	13%	13%
1x66 kV La Unión - Pichirropulli (Llollehue)	20%	21%	21%	20%	21%	21%	21%
1x66 kV Laja - FFCC Laja	0%	0%	0%	0%	0%	0%	0%
1x66 kV Latorre - Tumbes	21%	20%	21%	21%	21%	22%	22%
1x66 kV Licanco - Nueva Imperial	59%	57%	58%	8%	9%	9%	10%
1x66 kV Loma Colorada - Estructura	0%	0%	52%	55%	63%	67%	69%
1x66 kV Los Ángeles - Los Buenos Aires	19%	18%	19%	20%	37%	37%	38%
1x66 kV Los Ángeles - Manso de Velasco	72%	69%	44%	45%	45%	48%	49%
1x66 kV Los Ángeles - Pangué	13%	13%	14%	14%	14%	15%	15%
1x66 kV Los Ángeles - Pangué	6%	6%	6%	6%	6%	7%	7%
1x66 kV Los Buenos Aires - Negrete	21%	19%	20%	22%	40%	41%	41%
1x66 kV Los Peumos - Curacautín	9%	8%	9%	9%	9%	10%	10%
1x66 kV Los tambores - La Unión C1	36%	32%	34%	38%	39%	41%	42%
1x66 kV Lota (Enacar) - Arr. Colcura	22%	25%	24%	24%	25%	26%	27%
1x66 kV Manso de Velasco - El Avellano	30%	29%	0%	0%	0%	0%	0%
1x66 kV Metrenco - Pitruquén	44%	40%	27%	29%	29%	32%	34%
1x66 kV Negrete - Epuleufú	0%	0%	0%	0%	68%	70%	70%
1x66 kV Nueva Pillanlelún - Lautaro	0%	0%	40%	40%	43%	44%	45%
1x66 kV Paillaco - Los Lagos	56%	57%	40%	37%	30%	32%	33%
1x66 kV Paños Bellavista - Tomé	27%	28%	29%	30%	68%	71%	73%
1x66 kV Penco - Indura Lirquén	28%	29%	29%	30%	30%	31%	32%
1x66 kV Penco - Paños Bellavista	27%	28%	29%	30%	68%	71%	73%
1x66 kV Pichirropulli - Paillaco	61%	61%	45%	42%	35%	37%	38%
1x66 kV Pilauco - Barro Blanco	20%	18%	19%	20%	20%	21%	21%
1x66 kV Pilauco - Remehue C1	9%	9%	9%	9%	9%	9%	10%

1x66 kV Pilauco - Remehue C2	13%	14%	13%	13%	12%	11%	10%
1x66 kV Pillanlelbún - Nueva Pillanlelbún	0%	0%	36%	35%	39%	39%	40%
1x66 kV Pitrufulquén - Tap Gorbea	29%	27%	16%	18%	19%	21%	21%
1x66 kV Pitrufulquén - Tap Gorbea	22%	20%	12%	16%	16%	17%	18%
1x66 kV Pullinque - Los Lagos	16%	16%	7%	3%	2%	3%	3%
1x66 kV Pullinque - Tap Panguipulli	9%	8%	20%	21%	19%	20%	20%
1x66 kV Pumahue - Chivilcán	40%	39%	40%	42%	43%	46%	48%
1x66 kV Remehue - La Unión	23%	22%	23%	23%	22%	23%	23%
1x66 kV Remehue - Los Tambores	19%	20%	20%	19%	19%	19%	19%
1x66 kV Remehue - Osorno C1	12%	13%	12%	12%	11%	10%	10%
1x66 kV Renaico - Nahuelbuta	25%	22%	24%	26%	13%	14%	15%
1x66 KV Seccionadora Lota - Lota	24%	23%	24%	25%	25%	27%	28%
1x66 kV Talcahuano - Perales	32%	32%	33%	34%	35%	37%	38%
1x66 kV Tap Enacar - Enacar	6%	6%	6%	7%	7%	7%	7%
1x66 kV Tap Loma Colorada - Loma Colorada	59%	59%	115%	38%	41%	43%	44%
1x66 kV Tap Lota (Frontel) - Horcones	29%	32%	24%	25%	25%	27%	27%
1x66 kV TAP LOTA ENACAR - Tap Lota	32%	35%	25%	25%	24%	26%	27%
1x66 kV Tap Panguipulli - Los Lagos	16%	16%	6%	2%	3%	4%	4%
1x66 kV Tap Polpaico - Escuadrón	29%	27%	8%	8%	11%	11%	12%
1x66 kV Tap-off Colcura - Horcones	45%	51%	24%	24%	25%	26%	27%
1x66 kV Temuco - Padre las Casas	79%	76%	20%	19%	20%	22%	23%
1x66 kV Temuco - Padre las Casas	79%	76%	20%	19%	20%	22%	23%
1x66 kV Temuco - Pillanlelbún	39%	39%	27%	26%	30%	30%	30%
1x66 kV Tomé - Mahns	17%	17%	18%	18%	18%	19%	19%
1x66 kV Transformador N°6 - Manco	32%	34%	25%	26%	25%	26%	27%
1x66 kV Tres Bocas - Corral	13%	13%	13%	14%	14%	15%	15%
1x66 kV Tres Bocas - Picarte	13%	13%	13%	14%	14%	14%	15%
1x66 kV Tres Pinos - Cañete	20%	20%	21%	22%	22%	24%	25%
1x66 kV Valdivia - Los Lagos	7%	6%	12%	13%	13%	12%	12%
1x66 kV Victoria - Collipulli	1%	1%	1%	1%	1%	1%	1%
1x66 kV Victoria - Los Peumo	24%	22%	15%	16%	19%	22%	24%

1x66 kV Victoria - Tap Lautaro	3%	3%	19%	19%	13%	11%	11%
1x66 kV Victoria - Traiguén	17%	16%	17%	18%	19%	20%	21%
1x66 kV Villarrica - Pucón	21%	19%	19%	28%	29%	29%	29%
2x110 kV Chiloé - Gamboa C1	10%	10%	10%	11%	11%	11%	11%
2x110 kV Chiloé - Gamboa C2	10%	10%	10%	11%	11%	11%	11%
2x154 kV Concepción - San Vicente C1	13%	15%	29%	34%	38%	39%	39%
2x154 kV Concepción - San Vicente C2	13%	15%	29%	34%	38%	39%	39%
2x220 kV Puerto Montt - Melipulli C1	21%	20%	21%	22%	18%	19%	19%
2x220 kV Puerto Montt - Melipulli C2	21%	20%	21%	22%	18%	19%	19%
2x66 kV Barro Blanco - Purranque C1	20%	17%	18%	18%	18%	19%	20%
2x66 kV Barro Blanco - Purranque C2	20%	17%	18%	18%	18%	19%	20%
2x66 kV Concepción - Andalién C1	49%	47%	48%	50%	49%	52%	53%
2x66 kV Concepción - Andalién C2	29%	28%	28%	29%	29%	31%	31%
2x66 kV Concepción - Ejército C1	37%	63%	39%	42%	58%	61%	62%
2x66 kV Concepción - Ejército C2	0%	61%	37%	40%	56%	59%	60%
2x66 kV Dichato - Tome C1	0%	0%	0%	0%	17%	17%	18%
2x66 kV Dichato - Tome C2	0%	0%	0%	0%	17%	17%	18%
2x66 kV Ejército - Tap Cerro Chepe C2	0%	32%	17%	15%	22%	22%	22%
2x66 kV Estructura 44 - San Pedro C1	19%	18%	18%	19%	19%	20%	20%
2x66 kV Estructura 44 - San Pedro C2	19%	18%	18%	19%	19%	20%	20%
2x66 kV Frutillar - Purranque 66 kV C1	3%	8%	7%	7%	8%	8%	9%
2x66 kV Frutillar - Purranque 66 kV C2	1%	1%	1%	1%	1%	1%	1%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	35%	36%	43%	46%	47%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	35%	36%	43%	46%	47%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	35%	36%	43%	46%	47%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	35%	36%	43%	46%	47%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	65%	62%	40%	41%	41%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	65%	62%	40%	41%	41%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	65%	62%	40%	41%	41%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	65%	62%	40%	41%	41%
2x66 kV L1 Pilauco - Osorno C1	8%	7%	8%	9%	10%	12%	13%

2x66 kV L1 Pilauco - Osorno C2	8%	7%	8%	9%	10%	12%	13%
2x66 kV Las Encinas - Padre Las Casas	28%	28%	28%	30%	30%	32%	34%
2x66 kV Lastarria - Loncoche 66 kV C1	0%	0%	32%	39%	38%	41%	42%
2x66 kV Lastarria - Loncoche 66 kV C2	0%	0%	32%	39%	38%	41%	42%
2x66 kV Licanco - Metrenco C1	44%	40%	44%	33%	34%	36%	37%
2x66 kV Licanco - Metrenco C2	0%	0%	41%	32%	33%	35%	36%
2x66 kV Llanquihue - Frutillar C1	1%	1%	1%	1%	1%	1%	1%
2x66 kV Llanquihue - Frutillar C2	3%	6%	6%	6%	6%	6%	7%
2x66 kV Llolehue - La Unión C1	13%	11%	12%	12%	13%	14%	14%
2x66 kV Llolehue - La Unión C2	13%	11%	12%	12%	13%	14%	14%
2x66 kV Loncoche - Pullinque C1	22%	21%	11%	8%	9%	10%	10%
2x66 kV Loncoche - Pullinque C2	22%	21%	11%	8%	9%	10%	10%
2x66 kV Loncoche - Villarrica C1	31%	29%	28%	43%	43%	43%	44%
2x66 kV Loncoche - Villarrica C2	15%	15%	14%	15%	15%	16%	17%
2x66 kV Los Ángeles - Tap Duqueco C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Ángeles - Tap Duqueco C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Varones - El Avellano C1	0%	0%	8%	8%	8%	9%	9%
2x66 kV Los Varones - El Avellano C2	0%	0%	8%	8%	8%	9%	9%
2x66 kV Melipulli - Sangra C1	29%	27%	28%	29%	31%	33%	34%
2x66 kV Melipulli - Sangra C2	29%	27%	28%	29%	31%	33%	34%
2x66 kV Metrenco - Nueva Imperial C1	0%	0%	0%	10%	10%	10%	11%
2x66 kV Metrenco - Nueva Imperial C2	0%	0%	0%	10%	10%	10%	11%
2x66 kV Padre las Casas - Licanco C1	87%	81%	6%	20%	20%	22%	23%
2x66 kV Padre las Casas - Licanco C2	46%	42%	41%	32%	33%	35%	36%
2x66 kV Pitrufquén - Metrenco C2	0%	0%	28%	30%	31%	34%	35%
2x66 kV Pto. Varas - Llanquihue C1	55%	52%	55%	57%	56%	60%	62%
2x66 kV Pto. Varas - Llanquihue C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Puerto Varas - Sangra C1	14%	13%	13%	14%	15%	16%	17%
2x66 kV Puerto Varas - Sangra C2	14%	13%	13%	14%	15%	16%	17%
2x66 kV Remehue - La Misión C1	8%	8%	8%	8%	8%	8%	8%
2x66 kV Remehue - La Misión C2	8%	8%	8%	8%	8%	8%	8%

2x66 kV Remehue - Osorno C2	9%	9%	9%	9%	9%	9%	10%
2x66 kV Río Negro - Purranque C1	18%	16%	17%	17%	17%	18%	18%
2x66 kV Río Negro - Purranque C2	18%	16%	17%	17%	17%	18%	18%
2x66 kV Talcahuano - Latorre C1	52%	50%	51%	52%	52%	54%	55%
2x66 kV Talcahuano - Latorre C2	5%	5%	5%	5%	5%	5%	5%
2x66 kV Tap Gorbea - Lastarria C1	0%	0%	12%	15%	15%	17%	18%
2x66 kV Tap Gorbea - Lastarria C2	0%	0%	12%	16%	16%	17%	18%
2x66 kV Tap Loma Colorada - Coronel C1	64%	66%	23%	23%	17%	17%	17%
2x66 kV Tap Loma Colorada - Coronel C2	64%	66%	23%	23%	17%	17%	17%
2x66 kV Temuco - Pumahue C1	44%	43%	45%	46%	47%	51%	52%
2x66 kV Temuco - Pumahue C2	38%	37%	38%	40%	41%	44%	45%
2x66 kV Valdivia - Picarte C1	74%	72%	75%	79%	35%	37%	38%
2x66 kV Valdivia - Picarte C2	67%	65%	68%	71%	31%	33%	34%

Tabla 1-54. Cargabilidad de líneas de transmisión en escenario Invierno Noche, zona Charrúa – Chiloé.

Línea de transmisión	2020	2021	2022	2023	2024	2025	2026
1x66 kV Alonso de Ribera - Andalién							
1x66 kV Alonso de Ribera - Chiguayante	39%	39%	40%	19%	12%	12%	12%
1x66 kV Alonso de Ribera - Colo Colo	52%	29%	30%	31%	31%	33%	33%
1x66 kV Alonso de Ribera - Ejército	47%	17%	17%	18%	18%	19%	19%
1x66 kV Alonso de Ribera - Penco	24%	24%	24%	25%	25%	26%	27%
1x66 kV Alonso de Ribera - Perales	0%	0%	0%	0%	0%	0%	0%
1x66 kV Angol - Epuleufú	0%	0%	0%	0%	11%	12%	13%
1x66 kV Angol - Los Sauces	17%	16%	17%	17%	17%	18%	19%
1x66 kV Angol - Deuco	8%	8%	8%	7%	7%	6%	6%
1x66 kV Deuco - Angol	18%	18%	18%	18%	17%	17%	17%
1x66 kV Arenas Blancas - Puchoco	11%	11%	11%	11%	12%	12%	13%
1x66 kV Arenas Blancas - Tap Polpaico	19%	19%	6%	5%	7%	7%	7%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	49%	47%	31%	31%	32%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	27%	28%	34%	36%	37%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	27%	28%	34%	36%	37%

2x66 kV Guindo - Tap San Pedro C2	0%	0%	49%	47%	31%	31%	32%
2x66 kV Ejército - Tap Cerro Chepe C2	0%	28%	15%	14%	18%	18%	18%
2x66 kV Concepción - Ejército C2	0%	49%	30%	32%	44%	45%	46%
1x66 kV Carampangue - Curanilahue Norte	24%	24%	25%	26%	26%	28%	29%
1x66 kV Curanilahue Norte - Tap Carampangue Sur	13%	13%	14%	14%	15%	16%	16%
1x66 kV Cerro Chepe - Tap San Pedro C1	32%	29%	15%	14%	19%	19%	19%
1x66 kV Cerro Chepe - Tap San Pedro C2	32%	28%	15%	14%	18%	18%	19%
1x154 kV Charrúa - Los Ángeles	31%	30%	27%	28%	9%	10%	11%
1x66 kV Charrúa - Cabrero	76%	63%	63%	64%	64%	65%	66%
1x154 kV Charrúa - Concepción	14%	17%	31%	30%	34%	35%	35%
1x66 kV Charrúa - Enlace	15%	14%	14%	15%	14%	14%	14%
1x66 kV Charrúa - Laja	2%	2%	2%	23%	19%	18%	18%
1x66 kV Collipulli - Angol	12%	11%	11%	12%	11%	12%	13%
1x66 kV Colo Colo - Ejército	7%	16%	17%	17%	18%	18%	19%
1x154 kV Concepción - Alonso de Ribera	40%	28%	29%	15%	17%	17%	18%
2x66 kV Concepción - Andalién C1	42%	40%	41%	42%	42%	45%	46%
2x66 kV Concepción - Andalién C2	23%	22%	23%	23%	23%	25%	25%
1x66 kV Concepción - Penco	12%	12%	13%	13%	38%	40%	41%
2x154 kV Concepción - San Vicente C1	11%	12%	25%	29%	33%	33%	33%
2x154 kV Concepción - San Vicente C2	11%	12%	25%	29%	33%	33%	33%
2x66 kV Concepción - Ejército C1	32%	50%	31%	33%	45%	47%	48%
1x66 kV Coronel - Arenas Blancas	43%	41%	26%	25%	23%	24%	25%
1x66 kV Coronel - Arr. Lota (Enacar)	30%	28%	21%	22%	21%	22%	23%
1x66 kV Coronel - Arr. Lota (Frontel)	29%	27%	36%	38%	39%	42%	43%
1x154 kV Coronel - Quiñenco	47%	46%	29%	29%	27%	29%	30%
1x66 kV Coronel - Transformador N°6	0%	0%	0%	0%	0%	0%	0%
1x66 kV Curanilahue - Tres Pinos	11%	10%	11%	11%	11%	12%	13%
1x66 kV Curanilahue Norte - Curanilahue	24%	24%	24%	25%	26%	28%	28%
1x66 kV Curanilahue Norte - Tres Pinos	13%	13%	14%	14%	15%	16%	16%
2x66 kV Dichato - Tome C1	0%	0%	0%	0%	13%	14%	14%
2x66 kV Dichato - Tome C2	0%	0%	0%	0%	13%	14%	14%

1x66 kV Enlace - Fibranova	0%	0%	0%	0%	0%	0%	0%
1x66 kV Epuleufú - Renaico	0%	0%	0%	0%	12%	13%	14%
2x66 kV Estructura 44 - San Pedro C1	17%	16%	17%	17%	17%	18%	19%
2x66 kV Estructura 44 - San Pedro C2	17%	16%	17%	17%	17%	18%	18%
1x66 kV Estructura 72 - Escuadrón	0%	0%	29%	30%	36%	37%	38%
1x154 kV Fopaco - Lagunillas	36%	24%	11%	9%	8%	8%	8%
1x220 kV Guindo - Lagunillas	0%	0%	17%	16%	16%	17%	17%
1x66 kV Horcones - Arauco	17%	0%	0%	0%	0%	0%	0%
1x66 kV Horcones - Carampangue	28%	27%	28%	29%	29%	31%	32%
1x66 kV Horcones - Carampangue Sur	20%	20%	20%	21%	22%	23%	24%
1x220 kV Hualpén - Guindo	0%	0%	14%	16%	20%	20%	21%
1x154 kV Hualpén - Petroquimicas	31%	31%	31%	31%	31%	31%	31%
1x154 kV Hualpén - Mapal	30%	19%	11%	12%	12%	12%	12%
1x66 kV Indura Lirquén - Lirquén	20%	20%	20%	21%	21%	22%	23%
1x66 kV La Señoraza - Laja	0%	0%	0%	15%	12%	12%	12%
1x154 kV Lagunillas - Quiñenco	21%	46%	29%	29%	27%	29%	30%
1x66 kV Laja - FFCC Laja	0%	0%	0%	0%	0%	0%	0%
1x66 kV Latorre - Tumbes	17%	16%	17%	17%	17%	18%	18%
1x66 kV Loma Colorada - Estructura	0%	0%	33%	35%	41%	43%	44%
1x66 kV Los Ángeles - Los Buenos Aires	15%	14%	15%	16%	32%	32%	32%
1x66 kV Los Ángeles - Manso de Velasco	42%	41%	30%	31%	32%	33%	34%
1x66 kV Los Ángeles - Pangue	10%	10%	10%	11%	11%	11%	11%
1x66 kV Los Ángeles - Pangue	6%	6%	6%	6%	6%	6%	6%
2x66 kV Los Ángeles - Tap Duqueco C1	0%	0%	0%	0%	0%	0%	0%
2x66 kV Los Ángeles - Tap Duqueco C2	0%	0%	0%	0%	0%	0%	0%
1x66 kV Los Buenos Aires - Negrete	19%	18%	19%	21%	31%	32%	32%
1x66 kV Los Peumos - Curacautín	6%	5%	6%	6%	6%	6%	6%
2x66 kV Los Varones - El Avellano C1	0%	0%	4%	4%	4%	4%	5%
2x66 kV Los Varones - El Avellano C2	0%	0%	4%	4%	4%	4%	5%
1x66 kV Lota (Enacar) - Arr. Colcura	24%	22%	21%	22%	23%	24%	25%
1x66 kV Manso de Velasco - El Avellano	13%	13%	0%	0%	0%	0%	0%

1x154 kV Mapal - Fopaco	32%	21%	11%	11%	11%	11%	11%
1x220 kV Mulchén - Picoltué	2%	2%	2%	2%	2%	2%	2%
1x66 kV Negrete - Epuleufú	0%	0%	0%	0%	55%	56%	56%
1x66 kV Nueva Pillanlelbún - Lautaro	0%	0%	39%	39%	42%	43%	43%
1x66 kV Paños Bellavista - Tomé	16%	17%	17%	18%	52%	55%	56%
1x66 kV Penco - Indura Lirquén	22%	23%	23%	24%	24%	25%	25%
1x66 kV Penco - Paños Bellavista	16%	17%	17%	18%	52%	55%	56%
1x154 kV Petroquimicas - Hualpén	48%	43%	28%	25%	23%	24%	24%
1x66 kV Pillanlelbún - Nueva Pillanlelbún	0%	0%	35%	35%	37%	38%	38%
1x66 kV Renaico - Nahuelbuta	24%	22%	23%	25%	12%	13%	14%
1x154 kV San Vicente - Hualpén	38%	33%	17%	15%	12%	13%	13%
1x154 kV San Vicente - Petroquimica	22%	17%	4%	4%	6%	6%	6%
1x154 kV San Vicente - Talcahuano	51%	50%	51%	53%	53%	55%	56%
1x66 KV Seccionadora Lota - Lota	19%	19%	19%	20%	20%	21%	22%
1x66 kV TAP LOTA ENACAR - Tap Lota	29%	28%	20%	21%	20%	21%	22%
2x66 kV Talcahuano - Latorre C1	43%	41%	42%	43%	42%	44%	45%
2x66 kV Talcahuano - Latorre C2	4%	4%	4%	4%	4%	4%	4%
1x66 kV Talcahuano - Perales	27%	28%	29%	30%	30%	32%	32%
1x66 kV Carampangue - Tap Carampangue Sur	7%	7%	7%	7%	7%	8%	8%
1x66 kV Ejército - Tap Cerro Chepe C1	32%	29%	15%	14%	19%	19%	19%
1x66 kV Tap Enacar - Enacar	6%	6%	6%	6%	6%	6%	7%
2x66 kV Tap Loma Colorada - Coronel C1	49%	51%	17%	17%	13%	13%	13%
2x66 kV Tap Loma Colorada - Coronel C2	49%	51%	17%	17%	13%	13%	13%
1x66 kV Tap Loma Colorada - Loma Colorada	46%	46%	81%	29%	32%	33%	34%
1x66 kV Tap Lota (Frontel) - Horcones	31%	29%	23%	24%	24%	26%	26%
1x66 kV Tap Polpaico - Escuadrón	13%	13%	8%	8%	11%	12%	12%
2x66 kV Guindo - Tap San Pedro C1	0%	0%	49%	47%	31%	31%	32%
2x66 kV Guindo - Tap San Pedro C2	0%	0%	49%	47%	31%	31%	32%
1x66 kV Tap-off Colcura - Horcones	49%	45%	23%	23%	24%	25%	26%
1x66 kV Temuco - Pillanlelbún	40%	39%	29%	29%	31%	32%	32%
1x66 kV Tomé - Mahns	14%	14%	14%	15%	15%	15%	16%

1x66 kV Transformador N°6 - Manco	30%	29%	21%	22%	21%	22%	23%
1x66 kV Tres Pinos - Cañete	19%	19%	20%	21%	21%	23%	23%
1x66 kV Victoria - Collipulli	1%	1%	1%	1%	1%	1%	1%
1x66 kV Victoria - Los Peumo	14%	12%	6%	7%	9%	11%	12%
1x66 kV Victoria - Tap Lautaro	9%	10%	23%	23%	19%	17%	17%
1x66 kV Victoria - Traiguén	12%	12%	13%	13%	14%	15%	15%
2x66 kV Guindo - Tap Loma Colorada C1	0%	0%	27%	28%	34%	36%	37%
2x66 kV Guindo - Tap Loma Colorada C2	0%	0%	27%	28%	34%	36%	37%
1x110 kV Aihuapi - Los Negros	2%	2%	2%	2%	2%	2%	2%
1x110 kV Ancud - Chiloé	14%	13%	14%	14%	15%	15%	16%
2x66 kV Barro Blanco - Purranque C1	16%	14%	15%	15%	15%	16%	17%
2x66 kV Barro Blanco - Purranque C2	16%	14%	15%	15%	15%	16%	17%
1x66 kV Barro Blanco - Pichil	0%	0%	0%	0%	0%	0%	0%
1x110 kV Castro - Chonchi	27%	25%	26%	27%	27%	28%	29%
1x110 kV Chiloé - Dalcahue	16%	13%	14%	14%	15%	16%	16%
1x110 kV Chiloé - Degañ	4%	4%	4%	4%	4%	4%	4%
2x110 kV Chiloé - Gamboa C1	9%	9%	9%	9%	9%	10%	10%
2x110 kV Chiloé - Gamboa C2	9%	9%	9%	9%	9%	10%	10%
1x66 kV Chivilcán - Las Encinas	0%	0%	0%	0%	0%	0%	0%
1x110 kV Chonchi - Quellon	35%	32%	33%	34%	34%	36%	36%
1x110 kV Colaco - Pargua	13%	12%	12%	13%	13%	14%	14%
1x110 kV Dalcahue - Pid Pid	6%	6%	6%	7%	7%	7%	8%
1x110 kV El Empalme - Calbuco	7%	6%	7%	7%	7%	7%	7%
1x110 kV El Empalme - Ilque	0%	0%	0%	12%	12%	12%	12%
1x110 kV Empalme - Colaco	1%	1%	1%	1%	1%	1%	1%
2x66 kV Frutillar - Purranque 66 kV C1	8%	7%	7%	7%	6%	6%	7%
2x66 kV Frutillar - Purranque 66 kV C2	1%	1%	1%	1%	1%	1%	1%
1x66 kV La Unión - Pichirropulli (Llollehue)	16%	17%	16%	16%	16%	16%	16%
2x66 kV Las Encinas - Padre Las Casas	29%	28%	29%	30%	30%	33%	34%
2x66 kV Lastarria - Loncoche 66 kV C1	0%	0%	24%	31%	31%	33%	34%
2x66 kV Lastarria - Loncoche 66 kV C2	0%	0%	24%	31%	31%	33%	34%

2x66 kV Licanco - Metrenco C1	30%	26%	42%	31%	31%	33%	34%
2x66 kV Licanco - Metrenco C2	0%	0%	39%	30%	31%	32%	33%
2x66 kV Pitrufrquén - Metrenco C2	0%	0%	18%	20%	21%	23%	24%
1x66 kV Licanco - Nueva Imperial	54%	51%	52%	6%	7%	7%	7%
2x66 kV Llolel hue - La Unión C1	9%	8%	8%	9%	9%	10%	10%
2x66 kV Llolel hue - La Unión C2	9%	8%	8%	9%	9%	10%	10%
2x66 kV Loncoche - Pullinque C1	20%	20%	11%	10%	10%	10%	10%
2x66 kV Loncoche - Pullinque C2	20%	20%	11%	10%	10%	10%	10%
2x66 kV Loncoche - Villarrica C1	32%	29%	29%	41%	41%	42%	42%
2x66 kV Loncoche - Villarrica C2	14%	13%	13%	14%	14%	15%	16%
1x220 kV Los Ciruelos - Mariquina	3%	3%	3%	3%	3%	4%	4%
1x110 kV Melipulli - Alto Bonito	34%	31%	32%	37%	37%	39%	40%
1x110 kV Alto Bonito - Molinos	18%	17%	18%	22%	22%	23%	23%
2x66 kV Melipulli - Sangra C1	25%	23%	24%	25%	26%	28%	28%
2x66 kV Puerto Varas - Sangra C1	11%	10%	10%	11%	12%	12%	13%
2x66 kV Melipulli - Sangra C2	25%	23%	24%	25%	26%	28%	28%
2x66 kV Puerto Varas - Sangra C2	11%	10%	10%	11%	12%	12%	13%
2x66 kV Metrenco - Nueva Imperial C1	0%	0%	0%	9%	10%	10%	11%
2x66 kV Metrenco - Nueva Imperial C2	0%	0%	0%	9%	10%	10%	11%
1x110 kV Molino - Empalme	18%	17%	18%	22%	22%	23%	23%
1x110 kV Nueva Valdivia - Picarte	0%	0%	0%	0%	23%	25%	25%
1x66 kV Remehue - La Unión	20%	20%	20%	19%	19%	19%	19%
1x66 kV Remehue - Osorno C1	13%	14%	13%	12%	12%	11%	11%
1x66 kV Los tambores - La Unión C1	28%	25%	26%	29%	30%	31%	32%
1x66 kV Pilauco - Remehue C1	8%	8%	8%	8%	8%	8%	8%
1x66 kV Remehue - Los Tambores	18%	18%	18%	17%	17%	16%	16%
2x66 kV Padre las Casas - Licanco C1	68%	63%	4%	19%	19%	21%	21%
2x66 kV Padre las Casas - Licanco C2	32%	28%	39%	30%	31%	32%	33%
1x66 kV Paillaco - Los Lagos	50%	52%	39%	35%	33%	34%	35%
1x66 kV Pichirropulli - Paillaco	55%	56%	43%	40%	37%	39%	40%
1x110 kV Pid Pid - Castro(Gamboa)	0%	1%	1%	0%	0%	0%	0%

1x110 kV Gamboa - Castro	12%	11%	12%	13%	13%	14%	14%
1x66 kV Pilauco - Barro Blanco	16%	15%	16%	16%	16%	17%	18%
2x66 kV L1 Pilauco - Osorno C1	4%	4%	4%	4%	4%	5%	6%
2x66 kV L1 Pilauco - Osorno C2	4%	4%	4%	4%	4%	5%	6%
2x66 kV Remehue - Osorno C2	8%	8%	8%	8%	8%	8%	8%
1x66 kV Pilauco - Remehue C2	14%	14%	13%	13%	12%	11%	11%
1x66 kV Pitrufquén - Tap Gorbea	21%	19%	11%	12%	13%	14%	15%
2x66 kV Pto. Varas - Llanquihue C1	45%	41%	44%	46%	46%	49%	51%
2x66 kV Llanquihue - Frutillar C1	1%	1%	1%	1%	1%	1%	1%
2x66 kV Pto. Varas - Llanquihue C2	0%	0%	0%	0%	0%	0%	0%
2x66 kV Llanquihue - Frutillar C2	6%	6%	6%	6%	6%	6%	6%
2x220 kV Puerto Montt - Melipulli C1	17%	16%	16%	18%	15%	16%	16%
2x220 kV Puerto Montt - Melipulli C2	17%	16%	16%	18%	15%	16%	16%
1x66 kV Pullinque - Los Lagos	12%	13%	8%	4%	3%	4%	4%
1x66 kV Pullinque - Tap Panguipulli	13%	11%	22%	23%	22%	23%	23%
1x66 kV Pumahue - Chivilcán	33%	32%	33%	34%	35%	38%	39%
2x66 kV Remehue - La Misión C1	6%	6%	6%	6%	6%	6%	6%
2x66 kV Remehue - La Misión C2	6%	6%	6%	6%	6%	6%	6%
2x66 kV Río Negro - Purranque C1	15%	13%	13%	14%	14%	15%	15%
2x66 kV Río Negro - Purranque C2	15%	13%	13%	14%	14%	15%	15%
2x66 kV Tap Gorbea - Lastarria C1	0%	0%	8%	9%	10%	11%	11%
2x66 kV Tap Gorbea - Lastarria C2	0%	0%	8%	9%	10%	11%	11%
1x66 kV Metrenco - Pitrufquén	30%	26%	17%	19%	20%	22%	23%
1x66 kV Pitrufquén - Tap Gorbea	16%	14%	8%	10%	10%	11%	12%
1x66 kV Tap Panguipulli - Los Lagos	13%	14%	7%	2%	3%	3%	4%
1x66 kV Temuco - Padre las Casas	65%	61%	18%	17%	18%	19%	20%
1x66 kV Temuco - Padre las Casas	65%	61%	18%	17%	18%	19%	20%
2x66 kV Temuco - Pumahue C1	37%	36%	37%	39%	40%	42%	44%
2x66 kV Temuco - Pumahue C2	32%	31%	32%	34%	34%	37%	38%
1x66 kV Tres Bocas - Corral	5%	4%	4%	5%	5%	5%	5%
1x66 kV Tres Bocas - Picarte	5%	5%	5%	5%	5%	5%	5%

1x66 kV Valdivia - Los Lagos	4%	4%	10%	12%	10%	9%	8%
2x66 kV Valdivia - Picarte C2	58%	55%	57%	61%	38%	40%	41%
2x66 kV Valdivia - Picarte C1	65%	62%	65%	69%	42%	45%	46%
1x66 kV Villarrica - Pucón	21%	19%	19%	27%	27%	27%	28%