

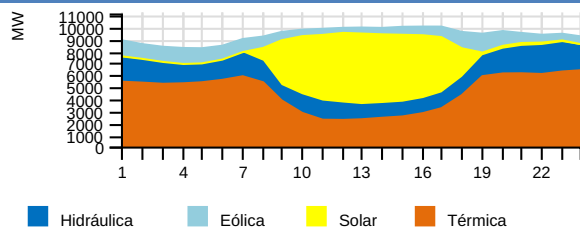
RESUMEN EJECUTIVO DE OPERACIÓN

Miércoles 17 de Abril del 2024

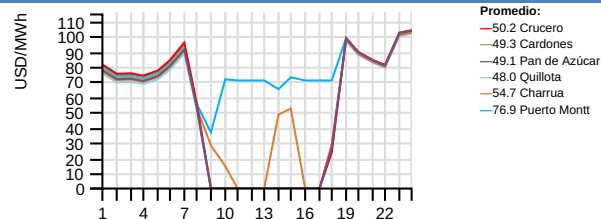


RESUMEN EJECUTIVO DE OPERACIÓN

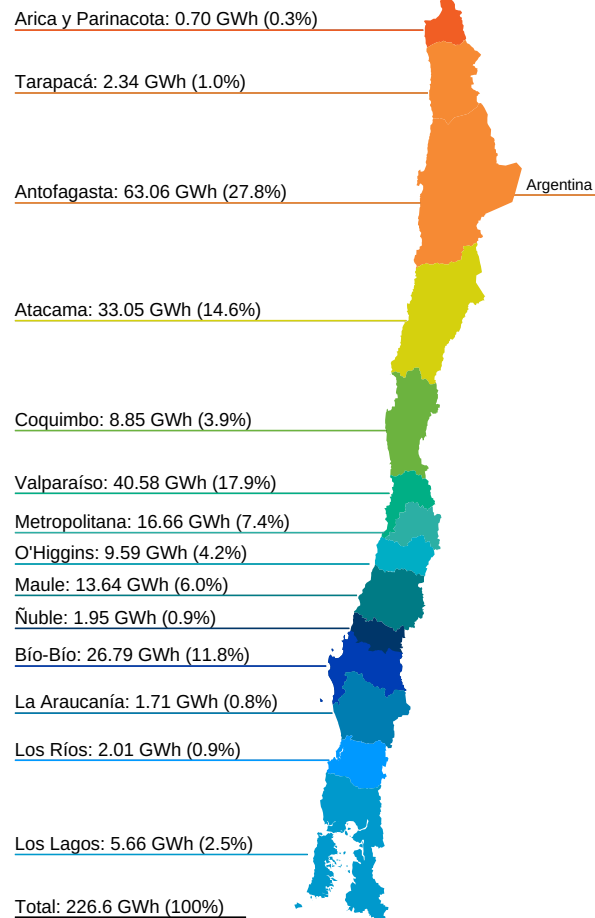
Generación horaria bruta por tecnología (MW)



Costo Marginal Real Preliminar (USD/MWh)



Generación por Regiones (GWh)



Generación por Fuente Total del SEN

| | Diario (GWh) | | Mensual (GWh) (*) | | | Acumulado Anual (TWh) (*) | | |
|--------------|---------------|-------------|-------------------|----------------|-------------|---------------------------|--------------|-------------|
| | Mié 17/abr | 2024 | 2023 | var% | 2024 | 2023 | var% | |
| Bess | 0.32 | 0.14% | 4.42 | 1.63 | 171.17 | 0.03 | 0.00 | 0.00 |
| Eólica | 21.93 | 9.68% | 428.26 | 384.69 | 11.33 | 2.92 | 2.69 | 8.55 |
| Geotérmica | 1.05 | 0.46% | 18.40 | 18.62 | -1.18 | 0.12 | 0.12 | 0.00 |
| Hidráulica | 41.22 | 18.19% | 743.78 | 536.29 | 38.69 | 6.83 | 4.78 | 42.89 |
| Solar | 51.45 | 22.71% | 799.70 | 774.62 | 3.24 | 6.10 | 5.47 | 11.52 |
| Térmica | 110.62 | 48.82% | 1829.21 | 2031.96 | -9.98 | 9.51 | 11.53 | -17.52 |
| Total | 226.59 | 100% | 3823.76 | 3747.80 | 2.03 | 25.51 | 24.59 | 3.74 |

Generación Hidráulica

| | Diario (GWh) | | Mensual (GWh) (*) | | | Acumulado Anual (TWh) (*) | | |
|--------------|--------------|-------------|-------------------|---------------|--------------|---------------------------|-------------|--------------|
| | Mié 17/abr | 2024 | 2023 | var% | 2024 | 2023 | var% | |
| Embalse | 23.12 | 56.07% | 404.58 | 305.12 | 32.60 | 3.78 | 2.41 | 56.85 |
| Pasada | 18.11 | 43.93% | 339.21 | 231.17 | 46.74 | 3.05 | 2.37 | 28.69 |
| Total | 41.23 | 100% | 743.79 | 536.29 | 38.69 | 6.83 | 4.78 | 42.89 |

Variación de generación Real vs Programada (%), Reducción Energía Eólica y Solar durante la Operación en Tiempo Real (OTR)

| | Diario Mié 17/abr (MWh) | | | Reducción Acumulada (GWh) (*) | | | | |
|--------------|-------------------------|-----------------|--------------|-------------------------------|--------------|----------------|---------------|---------------|
| | Real | Programado | var% | Reducción % | 2024 | 2023 | var% | |
| Eólica | 21925.64 | 21068.90 | 4.06 | 2418.12 | 9.93 | 464.82 | 168.86 | 175.27 |
| Solar | 51452.24 | 52671.00 | -2.32 | 14885.78 | 22.44 | 1325.98 | 363.11 | 265.17 |
| Total | 73377.88 | 73739.90 | -0.49 | 17303.90 | 19.08 | 1790.80 | 531.98 | 236.64 |

Generación Renovable no Convencional

| | Diario (GWh) | | Mensual (GWh) (*) | | | Acumulado Anual (TWh) (*) | | |
|--------------|--------------|-------------|-------------------|----------------|-------------|---------------------------|-------------|--------------|
| | Mié 17/abr | 2024 | 2023 | var% | 2024 | 2023 | var% | |
| BioGas | 0.31 | 0.37% | 7.00 | 7.66 | -8.62 | 0.04 | 0.05 | -20.00 |
| Biomasa (**) | 4.54 | 5.36% | 74.53 | 78.71 | -5.31 | 0.52 | 0.44 | 18.18 |
| Eólica | 21.93 | 25.88% | 428.26 | 384.69 | 11.33 | 2.92 | 2.69 | 8.55 |
| Geotérmica | 1.05 | 1.24% | 18.40 | 18.62 | -1.18 | 0.12 | 0.12 | 0.00 |
| Pasada (**) | 5.47 | 6.45% | 102.65 | 65.88 | 55.81 | 0.69 | 0.50 | 38.00 |
| Solar | 51.45 | 60.71% | 799.70 | 774.62 | 3.24 | 6.10 | 5.47 | 11.52 |
| Total | 84.75 | 100% | 1430.54 | 1330.17 | 7.54 | 10.39 | 9.27 | 12.08 |

Consumo de Combustible Teórico

| | | Diario | | Mensual | | Acumulado Anual | |
|------------------|-------|------------|---------|----------|------|-----------------|--|
| | | Mié 17/abr | 2024 | 2024 | 2024 | | |
| Biogas | Nm3 | 190262 | 4366948 | 24687779 | | | |
| Biogas | m3 | 0 | 0 | 0 | | | |
| Biomasa | m3 | 1535 | 8180 | 120173 | | | |
| Biomasa | m3 st | 7853 | 141964 | 846645 | | | |
| Biomasa | ton | 4406 | 80967 | 563452 | | | |
| Biomasa | Tss | 40 | 13268 | 73085 | | | |
| Carbón + Petcoke | ton | 19455 | 308559 | 1446176 | | | |
| Diésel | ton | 26 | 1040 | 9171 | | | |
| Gas Natural | dam3 | 4709 | 71606 | 409284 | | | |
| GNL | dam3 | 4071 | 84026 | 398066 | | | |
| Licor Negro | Tss | 1897 | 36168 | 220680 | | | |
| Otro | | 0 | 0 | 0 | | | |

Generación Térmica

| | Diario (GWh) | | Mensual (GWh) (*) | | | Acumulado Anual (TWh) (*) | | |
|--------------|---------------|-------------|-------------------|----------------|--------------|---------------------------|--------------|---------------|
| | Mié 17/abr | 2024 | 2023 | var% | 2024 | 2023 | var% | |
| BioGas | 0.31 | 0.28% | 7.00 | 7.69 | -8.97 | 0.04 | 0.05 | -20.00 |
| Biomasa | 4.65 | 4.20% | 76.22 | 80.91 | -5.80 | 0.53 | 0.46 | 15.22 |
| Carbón | 56.23 | 50.83% | 884.56 | 739.68 | 19.59 | 4.34 | 4.24 | 2.36 |
| Cogeneracion | 2.99 | 2.71% | 39.67 | 34.83 | 13.90 | 0.24 | 0.19 | 26.32 |
| Diésel | 0.20 | 0.18% | 6.93 | 29.72 | -76.68 | 0.06 | 0.29 | -79.31 |
| Fuel Oil | 0.00 | 0.00% | 0.00 | 0.23 | -100.00 | 0.00 | 0.00 | 0.00 |
| Gas Natural | 45.04 | 40.72% | 794.33 | 1119.36 | -29.04 | 4.20 | 6.11 | -31.26 |
| PetCoke | 1.20 | 1.08% | 20.50 | 19.31 | 6.16 | 0.09 | 0.11 | -18.18 |
| Total | 110.62 | 100% | 1829.21 | 2031.73 | -9.97 | 9.50 | 11.45 | -17.03 |

Crecimiento anual

3.74%

Participación anual ERNC

40.73%

Importación

0.0 GWh

Exportación

0.1196 GWh

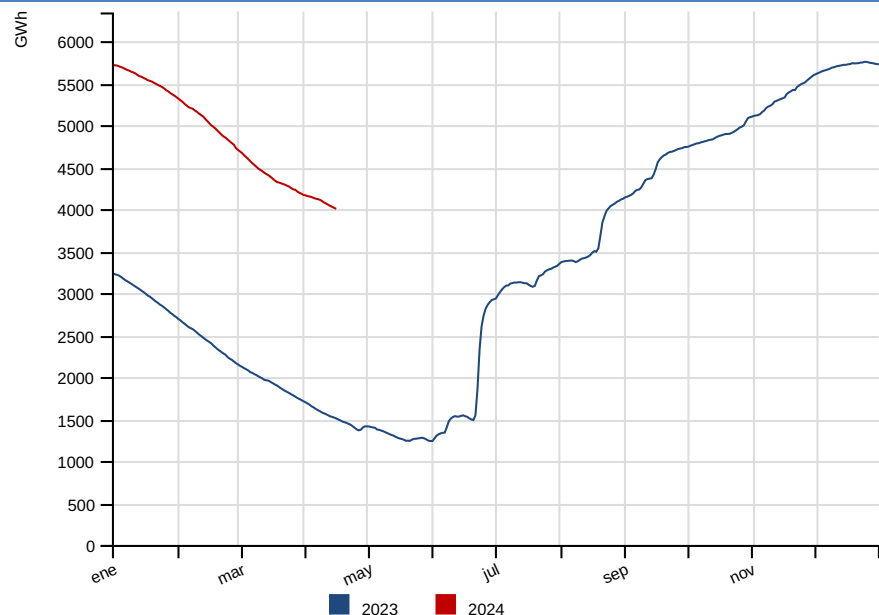
(*) Representa el acumulado a igual fecha 2024 y 2023

Var % Mensual: [(Valor Año Actual) - (Valor Año Anterior)] / (Valor Año Anterior) -- **Var % Acumulado Anual:** [(Valor Año Actual - Valor Año Anterior)] / (Valor Año Anterior)

(**) Factor de ajuste para inyecciones de ERNC, de acuerdo a Balance-ERNC.

RESUMEN DIARIO OPERACIÓN

Energía Embalsada en los Últimos 12 Meses (GWh)



Cotas (msnm)

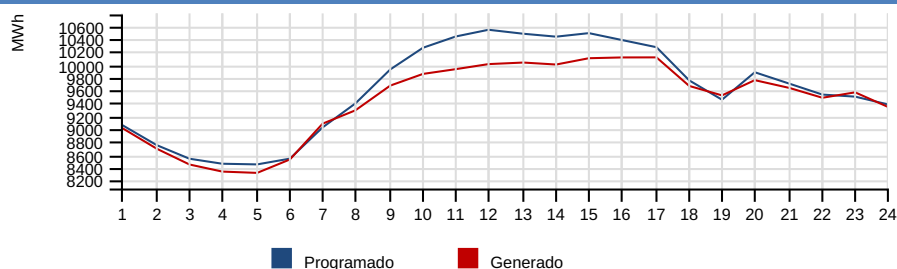
| | Diario | | Máxima | Min. Operacional |
|-----------|------------|------------|---------|------------------|
| | Mié 17/abr | Mar 16/abr | 2024 | 2024 |
| Rapel | 101.96 | 102.08 | 105.00 | 100.50 |
| Invernada | 1314.91 | 1314.96 | 1318.00 | 1282.80 |
| Melado | 641.59 | 641.22 | 648.00 | 641.00 |
| Colbun | 423.29 | 423.40 | 437.00 | 397.00 |
| Maule | 2166.07 | 2166.06 | 2180.85 | 2152.10 |
| Laja | 1329.61 | 1329.64 | 1368.00 | 1300.00 |
| Ralco | 700.98 | 701.23 | 725.00 | 692.00 |
| Pangué | 508.08 | 508.01 | 510.00 | 501.00 |
| Chapo | 231.90 | 232.02 | 243.00 | 222.00 |

Precipitaciones (mm)

| | Diario | | | Acumulado Anual (*) | |
|-----------|------------|------------|--------|---------------------|-----------------|
| | Mié 17/abr | Mar 16/abr | 2024 | var% 2023 | var% Año Normal |
| Rapel | 0.00 | 0.00 | 0.00 | - | -100.00 |
| Invernada | 0.00 | 0.00 | 67.50 | - | -10.97 |
| Melado | 0.00 | 0.00 | 47.10 | - | -43.41 |
| Colbún | 0.00 | 0.00 | 60.60 | - | -41.14 |
| Laja | 0.00 | 2.00 | 102.30 | 582.00 | -46.29 |
| Pangué | 0.00 | 12.00 | 128.20 | 96.63 | -55.92 |
| Chapo | 0.00 | 9.50 | 515.00 | 10.87 | -21.31 |

Nota: Del total de energía embalsada, 430.0 GWh son gestionables por el Coordinador a la fecha del presente informe, sin considerar la energía embalsada en Colbún y los derechos de generación de Laguna del Maule y Lago Laja. Si se incluyen los recursos de Colbún, Laguna del Maule y Lago Laja la energía gestionable alcanza los 730.4 GWh.

Comparación Programado vs Generado (MWh)



Demanda Máxima (MW), Generación (GWh) y Frecuencia (Hz)

| | Diario | | | Máximo Anual (*) | | |
|--------------------|-------------------|-------------|-------|------------------|-------------|-------------|
| | Mié 17/abr | Mar 16/abr | var% | 2024 | 2023 | var% |
| Máxima Horaria | 10116.53 | 10178.16 | -0.59 | 12013.78 | 11334.35 | 6.00 |
| | Programado | Hora | | Real | Hora | var% |
| Demanda Máx. | 10546.43 | 12 | | 10116.53 | 17 | -4.08 |
| Demanda Punta | 9884.88 | 20 | | 9761.84 | 20 | -1.21 |
| Generación Total | 230.72 | - | | 226.58 | - | -1.79 |
| Frecuencias | Hz | Hora | | | | |
| Frecuencia Máxima | 50.37 | 07:40:54 | | | | |
| Frecuencia Mínima | 49.67 | 10:10:50 | | | | |

Var % Diario: $\frac{((\text{Valor día informe}) - (\text{Valor día anterior}))}{(\text{Valor día anterior})} * 100$ -- **Var % Máximo Anual:** $\frac{((\text{Valor anual actual}) - (\text{Valor anual anterior}))}{(\text{Valor anual anterior})} * 100$ -- **Var % Demanda Máx, Demanda Punta y Generación Total:** $\frac{((\text{Valor real}) - (\text{Valor programado}))}{(\text{Valor programado})} * 100$

Costo Marginal Real Preliminar Barra 220 kV Quillota

48.03 USD/MWh

Costo Marginal Real Preliminar Barra 220 kV Crucero

50.23 USD/MWh

Eventos energéticos según Oficio Ordinario 1245/2014 del Ministerio de Energía.

| Sistema | Tipo | Fecha F/S | Hora F/S | Detalle | Fecha E/S | Hora E/S |
|---------|------|-----------|----------|---------|-----------|----------|
|---------|------|-----------|----------|---------|-----------|----------|