
ANEXOS

ESTUDIO DE CONTINUIDAD DE SUMINISTRO 2022

DEPARTAMENTO DE ESTUDIOS ELÉCTRICOS
GERENCIA DE OPERACIÓN

Octubre 2022

ANEXO 1: ÍNDICES DE CONTINUIDAD POR PUNTO DE CONTROL

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|-------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| IQUIQUE | | | | | | | | | | |
| ANGLO AMERICAN NORTE - MANTOVERDE | | | | | | | | | | |
| BA S/E TAP OFF ESTACIÓN DE BOMBEO 1 HMC 66KV | | | | | | | | | | |
| CGE | | | | | | | | | | |
| BA S/E ALTO HOSPICIO 13.8KV | 2.4 | 1.0 | 0.0 | 0.0 | 5.0 | 2.3 | 0.2 | 0.0 | 0.0 | 9.9 |
| BA S/E ARICA 13.8KV-BP | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| BA S/E CENTRAL DIESEL ARICA 13.8KV | 0.0 | 1.0 | 11.0 | 3.0 | 7.0 | 0.0 | 0.1 | 5.1 | 1.6 | 5.1 |
| BA S/E CENTRAL TARAPACÁ 13.8KV | 0.0 | 1.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.4 | 10.6 | 6.5 | 0.0 |
| BA S/E CERRO DRAGÓN 13.8KV | 2.0 | 1.0 | 0.0 | 0.0 | 2.0 | 2.2 | 0.2 | 0.0 | 0.0 | 0.4 |
| BA S/E CHINCHORRO 13.8KV | 3.9 | 3.1 | 3.0 | 1.0 | 2.0 | 1.7 | 23.0 | 0.4 | 0.5 | 0.6 |
| BA S/E LAGUNAS 23KV | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.9 | 0.0 | 3.8 | 0.0 |
| BA S/E PACÍFICO 13.8KV | 2.0 | 2.0 | 3.0 | 2.0 | 4.0 | 2.1 | 0.6 | 1.9 | 6.5 | 4.7 |
| BA S/E PALAFITOS 13.8KV BP1 | 2.5 | 1.0 | 0.0 | 1.0 | 4.0 | 2.3 | 0.3 | 0.0 | 0.2 | 3.6 |
| BA S/E POZO ALMONTE 23KV | 1.0 | 2.0 | 7.0 | 2.0 | 3.0 | 0.4 | 3.1 | 6.0 | 0.8 | 6.4 |
| BA S/E PUKARA 13.8KV BP1 | 8.7 | 2.8 | 2.0 | 2.0 | 3.0 | 5.8 | 14.7 | 0.3 | 3.3 | 1.4 |
| BA S/E QUIANI 13.8KV-BP1 | 6.5 | 9.0 | 4.0 | 3.0 | 4.0 | 2.3 | 24.9 | 1.9 | 7.0 | 27.3 |
| BA S/E TAMARUGAL 23KV | 2.0 | 4.0 | 15.0 | 9.0 | 2.0 | 0.8 | 2.1 | 9.9 | 10.5 | 0.4 |
| BA S/E TAP OFF CHIZA | 0.0 | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 | 0.0 | 8.2 | 1.3 | 0.0 |
| BA S/E TAP OFF DOLORES 24KV | 6.8 | 8.4 | 17.1 | 4.0 | 6.0 | 10.4 | 16.8 | 17.6 | 6.8 | 10.3 |
| BA S/E TAP OFF MAL PASO | 0.0 | 0.0 | 3.0 | 3.0 | 0.0 | 0.0 | 0.0 | 8.2 | 1.3 | 0.0 |
| BA S/E TAP OFF VITOR | 0.0 | 0.0 | 5.0 | 0.0 | 1.0 | 0.0 | 0.0 | 9.3 | 0.0 | 0.4 |
| BA S/E TAP OFF VITOR N°2 MÓVIL 23KV | 0.0 | 0.0 | 5.0 | 1.0 | 3.0 | 0.0 | 0.0 | 11.7 | 0.4 | 9.3 |
| BA S/E TAP OFF CUYA 13.8KV | 0.0 | 3.0 | 11.0 | 3.0 | 1.0 | 0.0 | 1.4 | 14.0 | 3.3 | 0.4 |
| ENORCHILE | | | | | | | | | | |
| BA S/E TAP OFF DOLORES 24KV | 0.0 | 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 |
| HALDEMAN | | | | | | | | | | |
| BA S/E LA CASCADA HMC (SAGASCA) 66KV | 1.0 | 3.0 | 12.0 | 2.0 | 0.0 | 0.3 | 2.4 | 541.1 | 87.2 | 0.0 |
| BA S/E TAP OFF ESTACIÓN DE BOMBEO 1 HMC 66KV | 0.0 | 0.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 529.1 | 86.8 | 0.0 |
| BA S/E TAP OFF ESTACIÓN DE BOMBEO 2 HMC 66KV | 0.0 | 0.0 | 5.0 | 1.0 | 0.0 | 0.0 | 0.0 | 28.5 | 86.8 | 0.0 |
| NODO TAP OFF ESTACIÓN DE BOMBEO 1 HMC 66KV | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.4 | 8.0 | 0.0 | 0.0 |
| NODO TAP OFF ESTACIÓN DE BOMBEO 2 HMC 66KV | | | | | | | | | | |
| MINERA CERRO COLORADO | | | | | | | | | | |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|-------|-------|-------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E CERRO COLORADO 110KV | 2.2 | 2.0 | 2.0 | 1.0 | 3.0 | 1.2 | 1.9 | 1.1 | 0.3 | 2.9 |
| MINERA COLLAHUASI | | | | | | | | | | |
| BA S/E COLLAHUASI 220KV-BP1 | 2.1 | 1.1 | 1.0 | 0.0 | 1.0 | 3.0 | 0.4 | 0.2 | 0.0 | 0.4 |
| MINERA QUEBRADA BLANCA | | | | | | | | | | |
| BA S/E QUEBRADA BLANCA 220KV | 2.0 | 1.0 | 3.0 | 2.0 | 0.0 | 0.6 | 164.5 | 215.5 | 17.3 | 0.0 |
| SQM | | | | | | | | | | |
| BA S/E LAGUNAS 23KV | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.9 | 0.0 | 159.9 | 0.0 |
| BA S/E SUR VIEJO 23KV | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.4 |
| BA S/E TAP OFF NUEVA VICTORIA 220KV | 1.0 | 4.0 | 0.0 | 1.0 | 2.0 | 0.5 | 18.7 | 0.0 | 6.2 | 0.9 |
| TOCOPILLA | | | | | | | | | | |
| CGE | | | | | | | | | | |
| BA S/E CALAMA 23KV - BP1 | 1.0 | 1.0 | 6.0 | 0.0 | 3.0 | 3.7 | 0.9 | 4.7 | 0.0 | 10.2 |
| BA S/E TOCOPILLA 5KV | 0.0 | 0.0 | 1.0 | 0.0 | 7.0 | 0.0 | 0.0 | 1.6 | 0.0 | 5.7 |
| CODELCO CHILE - CHUQUICAMATA | | | | | | | | | | |
| BA S/E 10 100KV | | | | | | | | | | |
| BA S/E 10A 100KV BP1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E A 100KV-BP1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CHAMY 100KV | | | | | | | | | | |
| BA S/E CHUQUICAMATA 220KV-BP1 | 1.2 | 1.0 | 0.0 | 0.0 | 1.0 | 0.4 | 4.3 | 0.0 | 0.0 | 10.9 |
| BA S/E ENCUENTRO 220KV-BP1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E K1 100KV BP1 | | | | | | | | | | |
| BA S/E KM6 100KV-BP1 | | | | | | | | | | |
| BA S/E SALAR 100KV - BP1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SALAR 220KV - BP1 | | | | | | | | | | |
| BA S/E SOPLADORES 100KV BP1 | | | | | | | | | | |
| BA S/E TCHITACK 34.5KV BP1 | 0.0 | 0.0 | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 | 1.5 | 1.2 | 1.1 |
| BA S/E TCHITACK 34.5KV BP1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1.2 | 1.1 |
| CODELCO CHILE - DIVISIÓN MINISTRO HALES | | | | | | | | | | |
| BA S/E MMH 220KV - BP1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MMH 23KV - BP1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 9.2 | 0.0 | 0.0 | 0.2 |
| BA S/E MMH 23KV - BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| CODELCO CHILE - DIVISIÓN RADOMIRO TOMIC | | | | | | | | | | |
| BA S/E RADOMIRO TOMIC 220KV-BP1 | 1.5 | 2.0 | 2.0 | 1.0 | 1.0 | 0.5 | 2.2 | 1.6 | 1.4 | 2.2 |
| ENORCHILE | | | | | | | | | | |
| BA S/E PEQ 23KV | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 |
| GRACE | | | | | | | | | | |
| BA S/E MANTOS DE LA LUNA 110KV | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 3.8 | 7.6 | 3.3 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--------------------------------------|------|------|------|------|------|------|------|-------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| MINERA ANTUCOYA | | | | | | | | | | |
| BA S/E ANTUCOYA 220KV | 2.2 | 0.0 | 0.0 | 1.5 | 0.0 | 0.8 | 0.0 | 0.0 | 10.0 | 0.0 |
| NODO ANTUCOYA 110KV | 2.6 | 0.0 | 0.0 | 1.5 | 0.0 | 1.2 | 0.0 | 0.0 | 3.8 | 0.0 |
| MINERA EL ABRA | | | | | | | | | | |
| BA S/E EL ABRA 220KV | 2.2 | 0.0 | 4.0 | 1.0 | 0.5 | 0.9 | 0.0 | 3.8 | 1.6 | 3.6 |
| MINERA SPENCE | | | | | | | | | | |
| BA S/E SPENCE 220KV | 1.0 | 1.0 | 4.0 | 0.0 | 2.0 | 4.2 | 0.3 | 21.6 | 0.0 | 1.7 |
| SIERRA GORDA SCM | | | | | | | | | | |
| BA S/E SIERRA GORDA 220KV - BP1 | 2.0 | 0.0 | 1.0 | 1.0 | 0.0 | 1.5 | 0.0 | 153.3 | 6.2 | 0.0 |
| SQM | | | | | | | | | | |
| BA S/E EL LOA 10KV | 1.0 | 0.0 | 2.0 | 0.0 | 0.5 | 0.5 | 0.0 | 3.7 | 0.0 | 8.1 |
| BA S/E EL LOA 23KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 |
| BA S/E TAP OFF LA CRUZ 220KV | 0.0 | 0.0 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 19.1 | 67.0 | 0.0 |
| ANTOFAGASTA | | | | | | | | | | |
| AGUAS ANTOFAGASTA | | | | | | | | | | |
| BA S/E DESALANT 110KV | 0.0 | 3.0 | 2.0 | 3.0 | 0.0 | 0.0 | 14.8 | 9.8 | 1.3 | 0.0 |
| BA S/E TAP OFF DESALANT 110KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| ALGORTA | | | | | | | | | | |
| BA S/E CHACAYA 110KV - BP1 | 0.0 | 0.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 7.3 | 1.7 |
| BA S/E TAP OFF E.B. ALGORTA N°1 33KV | 0.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 | 8.4 | 9.9 | 0.0 | 0.0 |
| BA S/E TAP OFF E.B. ALGORTA N°2 33KV | 0.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 | 8.4 | 9.9 | 0.0 | 0.0 |
| BA S/E TAP OFF E.C. ALGORTA 33KV | 0.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 | 8.4 | 9.9 | 0.0 | 0.0 |
| CGE | | | | | | | | | | |
| BA S/E ANTOFAGASTA 13.8KV BP1 | 3.0 | 2.0 | 1.0 | 2.0 | 0.0 | 2.2 | 0.5 | 0.4 | 0.1 | 0.0 |
| BA S/E ANTOFAGASTA 23KV | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.4 | 0.0 | 0.0 |
| BA S/E CENTRO 110KV | 0.0 | 1.0 | 2.2 | 1.0 | 1.0 | 0.0 | 2.0 | 4.4 | 1.7 | 2.3 |
| BA S/E CENTRO 13.8KV BP1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CENTRO 23KV | | | | | | | | | | |
| BA S/E EL LINCE 23KV | 0.0 | 0.0 | 1.0 | 6.0 | 1.0 | 0.0 | 0.0 | 0.6 | 22.3 | 1.9 |
| BA S/E LA PORTADA 110KV - BP | 0.0 | 5.0 | 5.0 | 4.0 | 5.0 | 0.0 | 6.0 | 2.6 | 6.3 | 14.3 |
| BA S/E LA PORTADA 23KV - BP1 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MEJILLONES 23KV | 7.0 | 4.0 | 0.0 | 1.0 | 2.0 | 20.1 | 11.6 | 0.0 | 1.1 | 14.4 |
| BA S/E SUR 13.8KV | 3.5 | 0.0 | 1.0 | 0.0 | 1.0 | 4.3 | 0.0 | 6.4 | 0.0 | 3.6 |
| BA S/E TAP OFF LA NEGRA 23KV - BP1 | 6.7 | 1.0 | 1.0 | 1.0 | 0.0 | 25.3 | 0.1 | 0.4 | 1.0 | 0.0 |
| BA S/E URIBE 110KV | 0.0 | 0.0 | 2.0 | 0.0 | 2.0 | 0.0 | 0.0 | 3.6 | 0.0 | 3.9 |
| BA S/E URIBE 23KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| CODELCO CHILE - DIVISIÓN GABRIELA MISTRAL | | | | | | | | | | |
| BA S/E GABY 220KV | 1.7 | 0.0 | 4.0 | 0.0 | 0.0 | 3.3 | 0.0 | 3.7 | 0.0 | 0.0 |
| COMPAÑÍA MINERA ZALDIVAR SPA | | | | | | | | | | |
| BA S/E ZALDÍVAR 220KV | 0.2 | 0.0 | 0.0 | 2.0 | 3.0 | 0.1 | 0.0 | 0.0 | 1.1 | 12.0 |
| ENAEX | | | | | | | | | | |
| BA S/E CENTRAL DIESEL ENAEX 110KV | 0.0 | 1.0 | 0.0 | 3.0 | 0.0 | 0.0 | 11.1 | 0.0 | 0.5 | 0.0 |
| GNL MEJILLONES | | | | | | | | | | |
| BA S/E GNL MEJILLONES 110KV | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 0.0 | 0.0 |
| MINERA ATACAMA MINERALS | | | | | | | | | | |
| BA S/E AGUAS BLANCAS 13.8KV | 2.0 | 4.0 | 1.0 | 3.0 | 1.0 | 4.8 | 7.7 | 4.1 | 1.5 | 11.8 |
| BA S/E EL TESORO 220KV | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.6 |
| BA S/E ESPERANZA 220KV | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| BA S/E GUAYAQUES 110KV | 0.0 | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.7 | 0.0 | 13.8 |
| BA S/E MUELLE 110KV | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.0 | 0.0 | 13.3 |
| BA S/E TAP OFF LICANCABUR 110KV | 0.0 | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.7 | 0.0 | 13.8 |
| BA S/E TAP OFF LLANOS 220KV | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 4.3 | 0.2 | 0.2 | 0.0 | 0.0 |
| BA S/E TAP OFF SAIRECABUR 110KV | 0.0 | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.7 | 0.0 | 13.8 |
| MINERA EL TESORO | | | | | | | | | | |
| BA S/E EL TESORO 220KV | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA ESCONDIDA | | | | | | | | | | |
| BA S/E COLOSO 220KV - BP1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E ESCONDIDA 220KV- BP1 | 1.4 | 0.0 | 1.0 | 0.0 | 1.0 | 0.4 | 0.0 | 6.4 | 0.0 | 1.4 |
| BA S/E LAGUNA SECA 220KV | 0.1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.3 |
| BA S/E LIXIVIACIÓN 69KV - BS | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.7 | 0.0 |
| BA S/E MONTURAQUI 69KV | 0.0 | 2.0 | 6.0 | 0.0 | 0.0 | 0.0 | 4.2 | 8.8 | 0.0 | 0.0 |
| BA S/E OGP1 220KV - BP1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E OLAP 69KV | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| BA S/E PLANTA ÓXIDOS 220KV | 1.7 | 0.0 | 1.0 | 0.0 | 1.0 | 1.1 | 0.0 | 0.2 | 0.0 | 0.8 |
| BA S/E TAP OFF ESTACIÓN DE BOMBEO N°2 4.16KV | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.2 | 0.0 | 0.0 |
| BA S/E TAP OFF ESTACIÓN DE BOMBEO N°3 4.16KV | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 26.8 | 0.0 | 6.9 |
| BA S/E TAP OFF ESTACIÓN DE BOMBEO N°4 4.16KV | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.9 | 0.0 | 0.0 |
| BA S/E TAP OFF 003 69KV | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 |
| MINERA ESPERANZA | | | | | | | | | | |
| BA S/E ESPERANZA 220KV | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E GUAYAQUES 110KV | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E MUELLE 110KV | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E TAP OFF LICANCABUR 110KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E TAP OFF SAIRECABUR 110KV | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA LOMAS BAYAS | | | | | | | | | | |
| BA S/E LOMAS BAYAS 220KV | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 |
| MINERA MANTOS BLANCOS | | | | | | | | | | |
| BA S/E MANTOS BLANCOS 220KV | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| MINERA MERIDIAN | | | | | | | | | | |
| BA S/E EL PEÑÓN 66KV | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 18.0 | 6.3 | 58.0 | 19.7 | 21.2 |
| MINERA MICHILLA | | | | | | | | | | |
| BA S/E EL LINCE 110KV | 0.0 | 2.0 | 3.0 | 7.0 | 2.0 | 0.0 | 11.7 | 18.8 | 47.0 | 2.3 |
| COMPAÑIA MINERA ZALDIVAR SPA | | | | | | | | | | |
| BA S/E ZALDÍVAR 220KV | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 0.0 | 0.0 | 0.0 | 1.1 | 12.0 |
| MOLY-COP | | | | | | | | | | |
| BA S/E CHACAYA 220KV-BP1 | 0.0 | 0.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 7.3 | 1.7 |
| MOLY-COP SING | | | | | | | | | | |
| BA S/E CHACAYA 220KV-BP1 | | | | | | | | | | |
| NORACID | | | | | | | | | | |
| BA S/E MEJILLONES 13.8KV (NORACID) | 1.0 | 0.0 | 0.0 | 1.0 | 2.0 | 1.0 | 0.0 | 0.0 | 1.2 | 13.4 |
| SAESA | | | | | | | | | | |
| BA S/E ARMAZONES 23KV | 0.0 | 1.0 | 1.0 | 3.0 | 1.0 | 0.0 | 2.5 | 0.2 | 60.3 | 1.6 |
| SQM | | | | | | | | | | |
| BA S/E MINSAL 110KV | 1.0 | 0.0 | 3.0 | 1.0 | 2.0 | 1.2 | 0.0 | 7.4 | 7.6 | 2.4 |
| BA S/E TAP OFF EL NEGRO 110KV | 1.0 | 1.0 | 1.0 | 0.0 | 2.0 | 0.3 | 0.0 | 0.6 | 0.0 | 22.6 |
| XSTRATA COPPER – ALTONORTE | | | | | | | | | | |
| BA S/E ALTO NORTE 110KV | 0.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| COPIAPÓ | | | | | | | | | | |
| AGROSUPER | | | | | | | | | | |
| BA S/E AGROSUPER 220KV | 4.0 | 1.0 | 3.0 | 0.0 | 0.0 | 7.5 | 2.5 | 31.6 | 0.0 | 0.0 |
| ANGLO AMERICAN NORTE - MANTOVERDE | | | | | | | | | | |
| BA S/E DIEGO DE ALMAGRO 110KV B2 | 7.0 | 0.0 | 0.0 | 1.0 | 0.0 | 36.4 | 0.0 | 0.0 | 20.2 | 0.0 |
| BA S/E IMPULSION 23KV BP1 | 1.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.3 | 0.0 | 0.0 | 0.0 | 3.6 |
| CAP CMP | | | | | | | | | | |
| BA S/E LOS COLORADOS 110KV | 1.8 | 1.2 | 3.0 | 0.0 | 1.0 | 3.7 | 1.8 | 2.6 | 0.0 | 0.2 |
| BA S/E MAGNETITA 110KV | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 5.9 | 6.2 | 0.0 | 0.0 | 0.0 |
| BA S/E PELLETS 110KV | 8.4 | 6.1 | 1.0 | 1.0 | 0.0 | 3.1 | 3.8 | 0.3 | 2.0 | 0.0 |
| BA S/E TOTORALILLO 220KV | 2.0 | 0.0 | 1.0 | 0.0 | 1.0 | 6.3 | 0.0 | 6.0 | 0.0 | 3.2 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|-------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E CERRO NEGRO NORTE 220KV | 5.0 | 0.0 | 1.0 | 2.0 | 2.0 | 6.6 | 0.0 | 6.0 | 7.2 | 1.9 |
| CGE | | | | | | | | | | |
| BA S/E DIEGO DE ALMAGRO 23KV | 7.0 | 3.0 | 2.0 | 0.0 | 0.0 | 3.0 | 1.8 | 11.8 | 0.0 | 0.0 |
| BA S/E EL SALADO 23KV | 9.0 | 7.0 | 0.0 | 3.0 | 0.0 | 3.2 | 2.4 | 0.0 | 5.7 | 0.0 |
| BA S/E PAPOSO 220KV SECCIÓN 1 | 7.0 | 0.0 | 1.0 | 0.0 | 0.0 | 19.8 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E VALLENAR 13.2KV | 3.0 | 1.0 | 1.0 | 6.0 | 3.0 | 2.1 | 19.4 | 6.8 | 22.4 | 4.1 |
| BA S/E ALTO DEL CARMEN 13.8KV | 3.0 | 2.0 | 1.0 | 4.0 | 1.0 | 2.6 | 25.4 | 6.9 | 17.1 | 0.3 |
| BA S/E CALDERA 23KV | 4.0 | 0.0 | 1.0 | 1.0 | 4.0 | 11.0 | 0.0 | 1.6 | 4.1 | 1.4 |
| BA S/E CERRILLOS 23KV | 3.0 | 0.0 | 0.0 | 0.0 | 4.0 | 7.2 | 0.0 | 0.0 | 0.0 | 11.8 |
| BA S/E CHANARAL 13.8KV | 9.0 | 6.0 | 1.0 | 4.0 | 1.0 | 3.2 | 1.7 | 3.9 | 2.0 | 0.5 |
| BA S/E COPIAPO 13.8KV B1 | 3.0 | 0.0 | 0.4 | 0.4 | 0.4 | 5.3 | 0.0 | 1.5 | 0.4 | 0.1 |
| BA S/E COPIAPO 13.8KV B2 | 2.0 | 0.0 | 0.1 | 1.6 | 0.6 | 3.0 | 0.0 | 0.3 | 2.4 | 0.2 |
| BA S/E LOS LOROS 23KV | 3.0 | 0.0 | 0.0 | 0.0 | 3.0 | 7.2 | 0.0 | 0.0 | 0.0 | 14.1 |
| BA S/E PLANTAS 13.8KV | 8.1 | 0.0 | 1.0 | 2.0 | 3.0 | 6.3 | 0.0 | 13.6 | 6.3 | 3.9 |
| BA S/E TIERRA AMARILLA 23KV BP11 | 0.3 | 1.0 | 0.0 | 1.0 | 0.6 | 0.6 | 1.1 | 0.0 | 2.7 | 0.2 |
| BA S/E TIERRA AMARILLA 23KV BP2 | 1.9 | 0.0 | 0.0 | 0.0 | 2.4 | 4.8 | 0.0 | 0.0 | 0.0 | 2.8 |
| BA S/E HERNAN FUENTES 23KV | 5.0 | 2.0 | 2.0 | 1.0 | 2.0 | 8.9 | 0.2 | 14.8 | 1.2 | 2.2 |
| BA S/E PAPOSO 220KV SECCIÓN 2 | 1.0 | 0.0 | 1.0 | 0.0 | 1.0 | 1.3 | 0.0 | 0.2 | 0.0 | 4.8 |
| BA S/E TALTAL (ELECDA) 13.2KV | 14.0 | 11.0 | 6.6 | 3.0 | 6.0 | 11.6 | 10.8 | 9.7 | 2.8 | 17.3 |
| BA TAP EL EDEN 13.2KV BP1 | 2.6 | 0.0 | 0.0 | 4.0 | 1.0 | 1.4 | 0.0 | 0.0 | 18.6 | 0.2 |
| BA S/E HUASCO 13.8KV B1 | 6.5 | 5.5 | 0.0 | 0.0 | 0.0 | 2.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| CODELCO CHILE – DIVISIÓN SALVADOR | | | | | | | | | | |
| BA S/E DIEGO DE ALMAGRO 110KV B2 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.2 | 0.0 |
| COMPAÑÍA MINERA GUANACO SpA | | | | | | | | | | |
| BA S/E GUANACO 13.8 KV | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| ENAMI PAIPOTE | | | | | | | | | | |
| BA S/E FUNDICION PAIPOTE 110KV | 2.7 | 0.2 | 1.0 | 0.0 | 0.0 | 7.8 | 1.8 | 13.6 | 0.0 | 0.0 |
| MINERA ATACAMA KOZAN | | | | | | | | | | |
| BA S/E ATACAMA KOZAN 110KV | 3.0 | 0.0 | 0.0 | 0.0 | 2.0 | 460.3 | 0.0 | 0.0 | 0.0 | 0.7 |
| MINERA CANDELARIA | | | | | | | | | | |
| BA S/E CANDELARIA B1 - 220KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MINERA LA CANDELARIA 220KV B1 | 2.0 | 1.0 | 0.0 | 0.0 | 1.0 | 5.3 | 0.4 | 0.0 | 0.0 | 0.3 |
| BA S/E TRAVESIA 110KV B1 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.3 | 0.0 | 9.6 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|-------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E PUNTA PADRONES 23KV B1 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 0.0 | 0.0 |
| MINERA CENTENARIO | | | | | | | | | | |
| BA S/E MINERA FRANKE 23KV | 5.0 | 3.0 | 0.0 | 1.0 | 0.0 | 9.0 | 2.2 | 0.0 | 0.2 | 0.0 |
| MIENRA LAS CENIZAS | | | | | | | | | | |
| BA S/E LAS LUCES 110KV | 8.0 | 3.0 | 0.3 | 1.0 | 5.0 | 5.7 | 1.4 | 0.1 | 0.3 | 23.2 |
| BA S/E PLANTA OXIDO 110KV | 7.0 | 1.0 | 0.6 | 1.0 | 5.0 | 4.6 | 0.6 | 0.2 | 0.3 | 31.6 |
| MINERA LUMINA COPPER | | | | | | | | | | |
| BA S/E CASERONES 220KV BARRA 1A | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 365.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CASERONES 220KV BARRA 1B | | | | | | | | | | |
| BA S/E CASERONES 220KV BARRA 1C | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 103.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E JORQUERA 220KV | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 241.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA MANTOS DE ORO | | | | | | | | | | |
| BA S/E LA COIPA 220KV | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA MARICUNGA | | | | | | | | | | |
| BA S/E MINERA MARICUNGA 23KV | 0.0 | 8.0 | 0.0 | 0.0 | 1.0 | 0.0 | 51.0 | 0.0 | 0.0 | 1.0 |
| BA S/E CARDONES 110KV SECCIÓN 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA OJOS DEL SALADO | | | | | | | | | | |
| BA S/E MINERA LA CANDELARIA 23KV B2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| SAESA | | | | | | | | | | |
| BA S/E PAPOSO 220KV SECCIÓN 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E PAPOSO 220KV SECCIÓN 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| COQUIMBO | | | | | | | | | | |
| CAP CMP | | | | | | | | | | |
| BA S/E ALGARROBO 110KV | 4.0 | 3.0 | 3.0 | 0.0 | 0.0 | 2.4 | 1.1 | 0.5 | 0.0 | 0.0 |
| BA S/E ROMERAL (CMP) 110KV | 5.0 | 7.0 | 5.0 | 8.0 | 0.0 | 2.5 | 2.5 | 2.0 | 9.8 | 0.0 |
| CEMIN | | | | | | | | | | |
| BA S/E DOS AMIGOS 23KV | 4.0 | 4.0 | 2.0 | 1.0 | 0.0 | 2.4 | 1.2 | 0.5 | 5.8 | 0.0 |
| CGE | | | | | | | | | | |
| BA S/E GUAYACAN 13.2KV C1 | 0.0 | 0.0 | 2.9 | 1.3 | 0.0 | 0.0 | 0.0 | 3.4 | 1.6 | 0.0 |
| BA S/E EL SAUCE 13.2KV | 3.0 | 1.0 | 8.0 | 7.0 | 1.0 | 0.4 | 0.0 | 10.7 | 14.4 | 0.1 |
| BA S/E INCAHUASI 23KV | 4.8 | 6.0 | 2.0 | 3.0 | 1.0 | 2.3 | 3.2 | 0.5 | 7.2 | 4.8 |
| BA S/E ANDACOLLO 13.8KV BP1 | 1.0 | 0.0 | 0.6 | 0.0 | 0.0 | 1.1 | 0.0 | 3.8 | 0.0 | 0.0 |
| BA S/E COMBARBALA 13.2KV B1 | 0.0 | 0.0 | 2.0 | 5.0 | 3.0 | 0.0 | 0.0 | 0.1 | 3.9 | 0.2 |
| BA S/E QUINQUIMO 23KV | 0.0 | 2.0 | 1.0 | 2.0 | 2.0 | 0.0 | 0.6 | 0.5 | 0.5 | 1.6 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E VICUNA 110KV | 3.0 | 0.0 | 1.0 | 0.0 | 0.0 | 14.8 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E MARQUESA 23KV | 11.9 | 1.0 | 3.0 | 5.0 | 2.0 | 10.4 | 4.9 | 2.7 | 10.3 | 8.3 |
| BA S/E PUNITAQUI 13.2KV | 4.0 | 1.0 | 3.0 | 3.0 | 1.0 | 6.1 | 0.2 | 1.1 | 3.9 | 0.9 |
| BA S/E MONTE PATRIA 13.2KV | 0.2 | 0.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 |
| BA S/E EL PENON 23KV | 1.0 | 0.0 | 0.7 | 1.0 | 0.0 | 0.2 | 0.0 | 2.5 | 0.3 | 0.0 |
| BA S/E LAS COMPANIAS 13.2KV | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 3.4 | 3.0 | 0.0 | 5.5 | 0.0 |
| BA S/E ANDACOLLO 23KV BP1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 |
| BA S/E SALAMANCA 23KV BP1 | 0.0 | 0.0 | 0.6 | 1.6 | 1.3 | 0.0 | 0.0 | 0.9 | 0.3 | 0.5 |
| BA S/E SAN JOAQUIN (TRANSNET) 13.2KV C2 | 0.0 | 0.7 | 1.5 | 1.0 | 1.8 | 0.0 | 0.7 | 1.7 | 0.6 | 1.2 |
| BA S/E VICUNA 23KV | 2.0 | 4.0 | 4.0 | 2.0 | 0.0 | 2.8 | 8.1 | 1.8 | 2.0 | 0.0 |
| BA S/E OVALLE 23KV C2 | 0.4 | 0.0 | 1.9 | 0.0 | 0.0 | 0.1 | 0.0 | 0.7 | 0.0 | 0.0 |
| BA S/E MONTE PATRIA 23KV | 0.8 | 0.0 | 2.8 | 0.0 | 1.0 | 0.1 | 0.0 | 2.9 | 0.0 | 0.1 |
| BA S/E GUAYACAN 13.2KV C2 | 0.0 | 0.0 | 2.6 | 0.7 | 0.0 | 0.0 | 0.0 | 3.0 | 0.8 | 0.0 |
| BA S/E ILLAPEL 23KV | 6.0 | 0.0 | 2.9 | 3.0 | 2.0 | 2.7 | 0.0 | 2.5 | 0.8 | 0.3 |
| BA S/E SAN JOAQUIN (TRANSNET) 13.2KV C1 | 0.0 | 2.0 | 2.0 | 1.0 | 1.2 | 0.0 | 4.6 | 1.8 | 0.6 | 1.3 |
| BA S/E OVALLE 23KV C1 | 1.6 | 0.0 | 2.9 | 2.0 | 0.0 | 0.4 | 0.0 | 1.2 | 0.5 | 0.0 |
| BA S/E QUEREO 23KV | 1.0 | 2.0 | 1.0 | 2.0 | 0.0 | 0.4 | 4.5 | 0.8 | 2.6 | 0.0 |
| BA S/E EL PENON 13.2KV C1 | 1.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 1.9 | 0.0 | 0.0 |
| BA S/E SAN JUAN 13.2KV | 1.0 | 0.0 | 3.0 | 2.0 | 0.0 | 0.4 | 0.0 | 3.7 | 2.3 | 0.0 |
| BA S/E EL ESPINO 13.2KV | 0.0 | 0.0 | 1.0 | 6.0 | 0.0 | 0.0 | 0.0 | 0.1 | 26.0 | 0.0 |
| BA S/E SALAMANCA 23KV BP2 | 0.0 | 0.0 | 0.4 | 1.4 | 0.7 | 0.0 | 0.0 | 0.7 | 0.4 | 0.2 |
| BA S/E PAN DE AZUCAR 13.2KV BP1 | 1.4 | 0.0 | 2.0 | 2.0 | 1.0 | 2.7 | 0.0 | 2.0 | 3.3 | 0.1 |
| BA S/E PAN DE AZUCAR 13.2KV BP2 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 |
| MINERA ALTOS DE PUNITAQUI | | | | | | | | | | |
| BA S/E PUNITAQUI 13.2KV BP2 | 2.0 | 0.0 | 1.0 | 3.0 | 1.0 | 5.9 | 0.0 | 0.1 | 3.9 | 0.9 |
| MINERA LOS PELAMBRES | | | | | | | | | | |
| BA S/E PIUQUENES BARRA CTO 1 220KV | 0.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.4 | 0.0 |
| BA S/E PIUQUENES BARRA CTO 2 220KV | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.9 | 0.0 |
| BA S/E MAURO BARRA 220KV | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E LOS VILOS 220KV SECCIÓN 2 | 3.0 | 0.0 | 5.1 | 1.0 | 0.0 | 48.4 | 0.0 | 23.2 | 4.3 | 0.0 |
| MINERA TRES VALLES | | | | | | | | | | |
| BA S/E SALAMANCA 23KV BP1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| MINERA ZALDIVAR LTDA. | | | | | | | | | | |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E MINERAL EL INDIO 13.2KV | 3.0 | 4.0 | 1.0 | 1.0 | 1.0 | 17.2 | 15.1 | 2.8 | 4.1 | 1.6 |
| TECK-CARMEN DE ANDACOLLO | | | | | | | | | | |
| BA S/E EL PENON 110KV | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E MINERA TECK CDA 220KV | 2.0 | 0.0 | 0.0 | 0.0 | 3.0 | 15.2 | 0.0 | 0.0 | 0.0 | 59.5 |
| VALPARAÍSO | | | | | | | | | | |
| CGE | | | | | | | | | | |
| BA S/E CASAS VIEJAS 13.2KV | 5.0 | 0.0 | 3.0 | 1.0 | 1.0 | 1.2 | 0.0 | 0.8 | 0.4 | 0.3 |
| BA S/E CABILDO 23KV BP1 | 0.8 | 0.0 | 3.0 | 0.0 | 1.0 | 0.1 | 0.0 | 20.4 | 0.0 | 0.2 |
| BA S/E MARGA MARGA 13.2KV BP1 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 |
| BA S/E MARBELLA 13.2KV BP1 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.3 |
| BA S/E MARGA MARGA 13.2KV BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MARGA MARGA 13.2KV BP3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MIRAFLORES BARRA 12KV BP2 | 5.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.4 | 0.0 |
| BA S/E CABILDO 23KV BP2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| CHILQUINTA | | | | | | | | | | |
| BA S/E ALGARROBO NORTE 12.5KV | 3.0 | 1.0 | 4.0 | 0.0 | 0.0 | 1.5 | 0.2 | 1.0 | 0.0 | 0.0 |
| BA S/E CASABLANCA 12KV B1 | 11.0 | 0.0 | 4.0 | 0.2 | 0.0 | 4.6 | 0.0 | 0.8 | 0.2 | 0.0 |
| BA S/E CONCON BARRA 12KV N°1 | 1.0 | 3.0 | 0.6 | 0.6 | 0.0 | 3.1 | 2.3 | 0.3 | 0.6 | 0.0 |
| BA S/E CONCON BARRA 12KV N°2 | 0.0 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.5 | 0.2 | 0.4 | 0.0 |
| BA S/E LOS PLACERES BARRA 13.2KV N° 1 | 5.1 | 0.0 | 1.0 | 0.0 | 1.0 | 4.1 | 0.0 | 3.9 | 0.0 | 0.4 |
| BA S/E LOS PLACERES BARRA 12KV N° 2 | 4.9 | 0.0 | 1.0 | 0.0 | 0.0 | 3.6 | 0.0 | 4.0 | 0.0 | 0.0 |
| BA S/E MIRAFLORES BARRA 13.2KV BP1 | 0.0 | 0.0 | 1.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 |
| BA S/E MIRAFLORES BARRA 12KV BP2 | 0.0 | 0.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 |
| BA S/E PLACILLA (CHILQUINTA) 13.2KV | 2.0 | 0.0 | 0.0 | 0.7 | 0.0 | 1.2 | 0.0 | 0.0 | 0.4 | 0.0 |
| BA S/E PLAYA ANCHA BARRA 12KV N° 1 | 9.9 | 0.0 | 2.0 | 0.5 | 0.0 | 4.8 | 0.0 | 4.3 | 0.1 | 0.0 |
| BA S/E PLAYA ANCHA BARRA 12KV N° 2 | 4.6 | 0.0 | 2.4 | 0.9 | 0.0 | 4.4 | 0.0 | 4.2 | 0.3 | 0.0 |
| BA S/E QUILPUE BARRA 12KV N° 1 | 1.3 | 0.0 | 0.4 | 0.4 | 0.0 | 0.6 | 0.0 | 0.2 | 0.1 | 0.0 |
| BA S/E QUILPUE BARRA 12KV N° 2 | 5.8 | 0.0 | 1.1 | 0.3 | 0.0 | 1.2 | 0.0 | 0.1 | 0.2 | 0.0 |
| BA S/E QUILPUE BARRA 12KV N° 3 | 0.2 | 0.0 | 0.5 | 0.3 | 0.0 | 0.4 | 0.0 | 0.2 | 0.1 | 0.0 |
| BA S/E QUINTAY 12KV | 3.0 | 1.0 | 6.0 | 0.0 | 0.0 | 1.8 | 2.3 | 10.4 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E QUINTERO CBP1 | 0.0 | 2.4 | 1.0 | 0.7 | 1.0 | 0.0 | 5.6 | 1.2 | 2.3 | 4.9 |
| BA S/E QUINTERO CBP2 | 0.0 | 2.1 | 1.0 | 0.3 | 0.0 | 0.0 | 4.6 | 1.2 | 0.8 | 0.0 |
| BA S/E RENACA BARRA 12KV N° 1 | 0.0 | 2.0 | 0.2 | 0.8 | 0.0 | 0.0 | 3.1 | 0.1 | 1.1 | 0.0 |
| BA S/E RENACA BARRA 12KV N° 2 | 0.0 | 0.6 | 0.1 | 1.2 | 0.0 | 0.0 | 1.2 | 0.1 | 1.0 | 0.0 |
| BA S/E VALPARAISO BARRA 13.2KV N° 1 | 5.0 | 0.0 | 0.4 | 0.0 | 0.0 | 4.5 | 0.0 | 0.4 | 0.0 | 0.0 |
| BA S/E VALPARAISO BARRA 12KV N° 2 | 5.0 | 0.0 | 0.4 | 0.0 | 0.0 | 4.5 | 0.0 | 0.5 | 0.0 | 0.0 |
| BA S/E BOSQUEMAR 12KV SECCION 1 | 1.0 | 1.0 | 1.0 | 0.7 | 0.0 | 0.8 | 0.2 | 0.5 | 0.6 | 0.0 |
| BA S/E MIRAFLORES 23KV BP3 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| BA S/E PEÑABLANCA 12KV-BP2 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.6 | 0.5 | 1.1 |
| BA S/E CASABLANCA 12KV B2 | 0.0 | 0.0 | 1.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.0 |
| BA S/E VALPARAISO BARRA 13.2KV N° 3 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 |
| BA S/E BOSQUEMAR 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| CODELCO CHILE – DIVISIÓN ANDINA | | | | | | | | | | |
| BA S/E SAG 220KV B1 | 0.0 | 0.0 | 2.0 | 3.0 | 3.0 | 0.0 | 0.0 | 53.0 | 3.0 | 10.5 |
| CODELCO CHILE – DIVISIÓN VENTANAS | | | | | | | | | | |
| BA S/E CODELCO VENTANAS 1 HBP1 | 0.0 | 1.0 | 4.0 | 2.9 | 0.0 | 0.0 | 0.6 | 27.5 | 3.1 | 0.0 |
| EMELCA | | | | | | | | | | |
| BA S/E CASABLANCA 12KV B1 | 2.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.8 | 0.0 |
| ENAP REFINERÍA ACONCAGUA | | | | | | | | | | |
| BA S/E TORQUEMADA HBP1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GNL QUINTERO | | | | | | | | | | |
| BA S/E GNL QUINTERO 110KV HA | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E GNL QUINTERO 110KV HB | | | | | | | | | | |
| LITORAL | | | | | | | | | | |
| BA S/E ALGARROBO NORTE 12.5KV | 3.0 | 1.0 | 4.0 | 0.0 | 0.0 | 1.4 | 0.2 | 1.0 | 0.0 | 0.0 |
| BA S/E CASABLANCA 12KV B1 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E QUINTAY 12KV | 3.0 | 1.0 | 6.0 | 0.0 | 0.0 | 1.8 | 2.3 | 10.4 | 0.0 | 0.0 |
| BA S/E EL TOTORAL 12KV | 4.0 | 1.0 | 4.0 | 0.0 | 0.0 | 1.8 | 0.9 | 0.9 | 0.0 | 0.0 |
| BA S/E LAS BALANDRAS 12KV | 4.0 | 1.0 | 4.0 | 1.0 | 0.0 | 1.6 | 0.9 | 0.9 | 0.8 | 0.0 |
| BA S/E LAS PINATAS 12KV | 4.0 | 1.0 | 4.0 | 0.0 | 0.0 | 1.6 | 0.9 | 0.9 | 0.0 | 0.0 |
| BA S/E SAN JERONIMO 12KV | 3.0 | 1.0 | 4.0 | 0.0 | 0.0 | 1.4 | 0.3 | 0.8 | 0.0 | 0.0 |
| METRO VALPARAÍSO | | | | | | | | | | |
| BA S/E EL SOL 110KV | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| ACONCAGUA | | | | | | | | | | |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| ANGLO AMERICAN SUR - CHAGRES | | | | | | | | | | |
| BA S/E FUNDICION CHAGRES 110KV B1 | 3.0 | 1.0 | 0.0 | 1.0 | 1.0 | 3.2 | 1.4 | 0.0 | 1.0 | 0.3 |
| ANGLO AMERICAN SUR - EL SOLDADO | | | | | | | | | | |
| BA S/E LA CALERA HBP1 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.5 | 0.0 |
| CEMENTO MELÓN | | | | | | | | | | |
| BA S/E CALERA CENTRO 62KV | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| CHILQUINTA | | | | | | | | | | |
| BA S/E CATEMU BARRA 12KV N° 1 | 4.0 | 4.5 | 5.0 | 4.0 | 1.0 | 8.0 | 7.0 | 19.1 | 0.3 | 0.1 |
| BA S/E EL MELON 12KV | 0.0 | 1.7 | 4.3 | 1.5 | 0.0 | 0.0 | 3.7 | 14.4 | 5.6 | 0.0 |
| BA S/E JUNCAL PORTILLO 12KV | 7.4 | 2.0 | 2.0 | 7.0 | 3.0 | 6.4 | 0.3 | 5.2 | 10.4 | 23.7 |
| BA S/E LA CALERA BARRA CBP1 | 1.0 | 0.5 | 0.5 | 2.5 | 0.0 | 0.2 | 1.0 | 0.2 | 2.2 | 0.0 |
| BA S/E LA CALERA BARRA CBP2 | 1.0 | 1.5 | 0.5 | 1.5 | 0.0 | 0.2 | 2.8 | 0.2 | 1.4 | 0.0 |
| BA S/E LAS VEGAS (CHILQUINTA) CBP1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E PANQUEHUE BARRA 12KV | 1.0 | 1.0 | 3.0 | 1.0 | 1.0 | 0.0 | 0.2 | 2.5 | 0.1 | 0.8 |
| BA S/E RIO BLANCO 12KV | 8.0 | 2.0 | 1.0 | 6.0 | 3.0 | 7.0 | 0.3 | 0.1 | 5.4 | 7.3 |
| BA S/E SAN FELIPE BARRA 12KV N° 1 | 3.0 | 2.0 | 2.2 | 4.1 | 4.2 | 0.9 | 1.5 | 7.3 | 3.9 | 2.7 |
| BA S/E SAN FELIPE BARRA 12KV N° 2 | 0.0 | 1.4 | 1.5 | 2.9 | 2.8 | 0.0 | 0.9 | 6.9 | 2.4 | 1.6 |
| BA S/E SAN RAFAEL (CHILQUINTA) BARRA 12KV N° 1 | 0.0 | 0.4 | 2.4 | 1.9 | 2.4 | 0.0 | 0.8 | 5.8 | 1.7 | 1.6 |
| BA S/E SAN RAFAEL (CHILQUINTA) BARRA 12KV N° 2 | 0.0 | 0.5 | 1.4 | 2.2 | 1.9 | 0.0 | 0.8 | 4.3 | 1.6 | 2.0 |
| BA S/E TUNEL EL MELON 12KV | 0.0 | 2.0 | 5.0 | 2.0 | 2.0 | 0.0 | 4.5 | 15.0 | 8.3 | 11.0 |
| BA S/E SAN RAFAEL (CHILQUINTA) 23KV | 2.0 | 0.5 | 1.9 | 1.6 | 1.7 | 0.6 | 1.1 | 7.0 | 1.5 | 1.3 |
| BA S/E EL MELON 12KV SECCION 2 | 0.0 | 0.0 | 6.7 | 0.5 | 0.0 | 0.0 | 0.0 | 23.1 | 0.2 | 0.0 |
| BA S/E SAN PEDRO (FFCC) CBP1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN PEDRO (FFCC) CBP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN PEDRO (AES GENER) CBP1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN PEDRO (AES GENER) CBP2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| CODELCO CHILE - DIVISIÓN ANDINA | | | | | | | | | | |
| BA S/E LOS MAQUIS 110KV | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SALADILLO 66KV B1 | 3.2 | 1.0 | 0.0 | 1.0 | 4.0 | 19.0 | 1.9 | 0.0 | 1.2 | 11.7 |
| BA TAP EL LLANO 220KV | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| CRISTALCHILE | | | | | | | | | | |
| BA S/E LAS VEGAS (CHILQUINTA) HBP1 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 9.9 | 0.0 | 0.1 | 0.0 |
| EFE | | | | | | | | | | |
| BA S/E LOS ANDES (FFCC) 44KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN PEDRO (FFCC) CBP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA CERRO NEGRO | | | | | | | | | | |
| BA S/E LOS ANGELES 44KV | 10.0 | 6.0 | 9.0 | 3.0 | 1.0 | 71.1 | 27.2 | 41.1 | 0.2 | 0.2 |
| MINERA LOS PELAMBRES | | | | | | | | | | |
| BA S/E QUILLOTA 220KV SECCION 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E QUILLOTA 220KV SECCION 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| METROPOLITANA | | | | | | | | | | |
| ANGLO AMERICAN SUR – LOS BRONCES | | | | | | | | | | |
| BA S/E LAS TORTOLAS 23KV | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 6.4 | 2.0 | 0.0 |
| BA S/E POLPAICO 220KV SECCION 1 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E POLPAICO 220KV SECCION 2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| CEMENTO POLPAICO | | | | | | | | | | |
| BA S/E PUNTA PEUCO HBP | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| BA S/E PRINCIPAL PLANTA POLPAICO 44 kV | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 |
| CGE | | | | | | | | | | |
| BA S/E CENTRAL QUELTEHUES 12KV | 3.0 | 2.0 | 2.0 | 0.0 | 1.0 | 18.7 | 1.2 | 1.8 | 0.0 | 7.2 |
| BA S/E PIRQUE 13.2KV | 1.0 | 0.0 | 5.0 | 0.0 | 3.0 | 0.2 | 0.0 | 5.7 | 0.0 | 4.6 |
| BA S/E CURACAVI 12KV BP1 | 0.0 | 0.3 | 1.0 | 0.8 | 0.0 | 0.0 | 0.2 | 6.8 | 0.0 | 0.0 |
| BA S/E CURACAVI 12KV BP2 | 1.0 | 0.7 | 1.0 | 1.2 | 0.0 | 0.0 | 0.3 | 6.8 | 0.1 | 0.0 |
| BA S/E LA PINTANA 12.5KV BP1 | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 1.2 | 0.5 | 0.0 | 0.5 | 0.0 |
| BA S/E LA PINTANA 12KV BP2 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E LA PINTANA 12KV BP3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E LAS ACACIAS 23KV BP1 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 1.9 | 3.3 | 0.3 | 0.0 |
| BA S/E LAS ACACIAS 23KV BP2 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 |
| BA S/E LAS ACACIAS 23KV BP3 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.3 | 0.0 |
| BA S/E MALLOCO 12KV BP1 | 2.0 | 1.0 | 2.2 | 1.0 | 0.0 | 2.6 | 1.3 | 7.1 | 0.3 | 0.0 |
| BA S/E MALLOCO 12KV BP2 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.6 | 0.0 | 1.3 | 0.0 | 0.0 |
| BA S/E MALLOCO 23KV BP3 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 |
| BA S/E PANAMERICANA 12KV BP1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|----------------------------------|------|------|------|------|------|------|-------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E PANAMERICANA 12KV BP2 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E PANAMERICANA 12KV BP4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN BERNARDO 12KV BP1 | 0.0 | 0.0 | 0.4 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 |
| BA S/E SAN BERNARDO 12KV BP2 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E SAN BERNARDO 12KV BP3 | 1.0 | 0.0 | 0.6 | 1.0 | 1.0 | 0.0 | 0.0 | 0.1 | 0.3 | 3.4 |
| BA S/E SAN BERNARDO 12KV BP4 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.0 |
| BA S/E SANTA MARTA 12KV BP1 | 0.0 | 0.0 | 1.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| BA S/E SANTA MARTA 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA MARTA 23KV BP3 | 0.0 | 0.0 | 1.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| BA S/E SANTA RAQUEL 12KV BP1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA RAQUEL 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| BA S/E SANTA RAQUEL 12KV BP4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP1 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP2 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP3 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 3.4 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP4 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 |
| BA S/E PUENTE ALTO 12KV B1 | 0.0 | 4.0 | 1.0 | 2.0 | 2.0 | 0.0 | 148.2 | 0.7 | 2.1 | 0.7 |
| BA S/E PUENTE ALTO 12KV B2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CENTRAL FLORIDA 1 12KV | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| BA S/E MARISCAL 12KV | 2.0 | 1.0 | 1.0 | 1.0 | 0.0 | 2.0 | 0.5 | 0.9 | 1.3 | 0.0 |
| BA S/E MARISCAL 23KV | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E CENTRAL MAITENES 12KV BP1 | 1.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.6 | 0.0 | 0.0 | 74.6 | 6.1 |
| CMPM PAPELES CORDILLERA | | | | | | | | | | |
| BA S/E PUENTE ALTO (CMPC) 110KV | 6.1 | 1.0 | 1.3 | 0.0 | 0.0 | 1.3 | 2.8 | 2.1 | 0.0 | 0.0 |
| CMPC TISSUE | | | | | | | | | | |
| BA S/E PUENTE ALTO (CMPC) 110KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| EEPA | | | | | | | | | | |
| BA S/E LA PINTANA 12.5KV BP1 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.5 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E COSTANERA 12KV | 4.0 | 3.0 | 2.0 | 2.0 | 1.1 | 3.3 | 1.9 | 0.6 | 0.4 | 4.0 |
| BA S/E PUENTE ALTO 12KV B1 | 4.0 | 4.4 | 1.0 | 0.0 | 0.8 | 4.2 | 3.7 | 1.0 | 0.0 | 3.0 |
| BA S/E PUENTE ALTO 12KV B2 | 0.0 | 4.0 | 1.0 | 0.0 | 0.3 | 0.0 | 3.4 | 1.0 | 0.0 | 3.5 |
| EFE | | | | | | | | | | |
| BA S/E LO ESPEJO (FFCC) 110KV | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E RUNGUE (FFCC) 44KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ELÉCTRICA TIL TIL | | | | | | | | | | |
| BA S/E CALEU 12KV BP1 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 6.1 | 31.6 |
| BA S/E RUNGUE 23KV BP1 | 0.0 | 0.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.5 |
| ENEL DISTRIBUCIÓN | | | | | | | | | | |
| BA S/E ALONSO DE CORDOVA 12.5KV BP1 | 3.5 | 5.0 | 0.0 | 0.0 | 0.0 | 2.4 | 2.7 | 0.0 | 0.0 | 0.0 |
| BA S/E ALONSO DE CORDOVA 12KV BP2 | 2.7 | 3.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.4 | 0.0 | 0.0 | 0.0 |
| BA S/E ALONSO DE CORDOVA 12KV BP3 | 3.8 | 1.0 | 0.0 | 0.0 | 0.0 | 1.9 | 1.5 | 0.0 | 0.0 | 0.0 |
| BA S/E ALTAMIRANO 12.5KV BP1 | 0.0 | 1.0 | 0.7 | 1.0 | 0.0 | 0.0 | 0.4 | 0.2 | 1.2 | 0.0 |
| BA S/E ALTAMIRANO 12KV BP2 | 0.0 | 1.0 | 0.3 | 1.0 | 0.0 | 0.0 | 0.5 | 0.1 | 2.3 | 0.0 |
| BA S/E ANDES 12KV BP1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E ANDES 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E APOQUINDO 12.5KV BP1 | 4.0 | 1.0 | 1.0 | 0.0 | 0.0 | 2.2 | 1.5 | 0.1 | 0.0 | 0.0 |
| BA S/E APOQUINDO 12KV BP2 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.9 | 1.5 | 0.0 | 0.0 | 0.0 |
| BA S/E BATUCO 23KV BP1 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 |
| BA S/E BATUCO 23KV BP2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E BATUCO 23KV BP3 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 |
| BA S/E BRASIL 12.5KV BP1 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.4 | 2.5 | 0.0 | 0.0 |
| BA S/E BRASIL 12KV BP2 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E CALEU 12KV BP1 | 2.0 | 6.0 | 1.0 | 2.0 | 2.0 | 3.7 | 27.6 | 6.1 | 6.1 | 31.6 |
| BA S/E CARRASCAL 12KV BP1 | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 |
| BA S/E CARRASCAL 12KV BP2 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E CHACABUCO 12.5KV BP1 | 3.0 | 1.5 | 0.0 | 2.0 | 0.0 | 1.2 | 4.1 | 0.0 | 1.2 | 0.0 |
| BA S/E CHACABUCO 23KV BP2 | 0.0 | 0.5 | 0.0 | 0.7 | 0.0 | 0.0 | 1.5 | 0.0 | 0.1 | 0.0 |
| BA S/E CHACABUCO 23KV BP3 | 1.0 | 1.0 | 1.0 | 1.3 | 0.0 | 0.0 | 2.8 | 0.4 | 2.6 | 0.0 |
| BA S/E CHACABUCO 23KV BP6 | 0.0 | 1.0 | 0.0 | 0.2 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| BA S/E CLUB HIPICO 12KV BP1 | 1.0 | 0.0 | 1.1 | 2.0 | 1.0 | 0.3 | 0.0 | 0.3 | 2.3 | 0.3 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E CLUB HIPICO 12KV BP2 | 0.0 | 0.0 | 0.5 | 1.6 | 0.0 | 0.0 | 0.0 | 0.4 | 2.3 | 0.0 |
| BA S/E CLUB HIPICO 12KV BP3 | 2.0 | 0.0 | 1.4 | 1.7 | 0.0 | 0.8 | 0.0 | 0.6 | 1.1 | 0.0 |
| BA S/E CLUB HIPICO 12KV BP4 | 0.0 | 0.0 | 0.4 | 1.7 | 1.0 | 0.0 | 0.0 | 0.1 | 2.4 | 0.4 |
| BA S/E CURACAVI 12KV BP1 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E CURACAVI 12KV BP2 | 0.0 | 1.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.5 | 6.8 | 0.1 | 0.0 |
| BA S/E EL MANZANO (CHILECTRA) 23KV BP1 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.2 |
| BA S/E EL MANZANO (CHILECTRA) 23KV BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E EL MANZANO (CHILECTRA) 23KV BP4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E LA CISTERNA 12KV BP1 | 2.0 | 0.0 | 1.2 | 2.2 | 1.0 | 0.2 | 0.0 | 0.2 | 0.8 | 0.3 |
| BA S/E LA CISTERNA 12KV BP2 | 2.0 | 0.0 | 0.5 | 0.4 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E LA CISTERNA 12KV BP3 | 2.0 | 0.0 | 0.3 | 1.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.6 | 0.0 |
| BA S/E LA DEHESA 12KV BP2 | 2.7 | 2.0 | 1.2 | 0.0 | 0.0 | 1.8 | 2.7 | 1.0 | 0.0 | 0.0 |
| BA S/E LA DEHESA 12KV BA1 | 2.3 | 3.0 | 1.1 | 0.0 | 0.0 | 1.7 | 2.9 | 0.7 | 0.0 | 0.0 |
| BA S/E LA PINTANA 12.5KV BP1 | 0.0 | 0.5 | 1.1 | 1.0 | 1.0 | 0.0 | 0.2 | 0.1 | 0.5 | 1.4 |
| BA S/E LA PINTANA 12KV BP2 | 0.0 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 |
| BA S/E LA REINA 12KV BP1 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E LA REINA 12KV BP2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| BA S/E LA REINA 12KV BP4 | | | | | | | | | | |
| BA S/E LAMPA 23KV BP2 | 0.0 | 1.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.1 | 0.0 | 0.3 | 2.6 |
| BA S/E LAS ACACIAS 23KV BP1 | 0.0 | 1.0 | 0.1 | 0.7 | 1.0 | 0.0 | 1.9 | 0.6 | 0.2 | 0.3 |
| BA S/E LAS ACACIAS 23KV BP2 | 0.0 | 0.0 | 2.9 | 0.3 | 0.0 | 0.0 | 0.0 | 3.6 | 0.1 | 0.0 |
| BA S/E LAS ACACIAS 23KV BP3 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E LO AGUIRRE 12KV BP1 | 0.0 | 1.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.5 | 5.4 | 0.1 | 0.0 |
| BA S/E LO BOZA 12.5KV BP1 | 0.0 | 1.5 | 0.0 | 1.0 | 0.0 | 0.0 | 7.6 | 0.0 | 4.8 | 0.0 |
| BA S/E LO BOZA 12KV BP2 | 0.0 | 0.5 | 0.0 | 1.0 | 1.0 | 0.0 | 2.6 | 0.0 | 0.3 | 3.7 |
| BA S/E LO BOZA 23KV BP3 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.1 | 0.0 | 1.2 | 0.0 |
| BA S/E LO BOZA 12KV BP4 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 |
| BA S/E LO PRADO 12KV BP1 | 1.0 | 2.0 | 1.0 | 1.0 | 0.0 | 2.7 | 3.4 | 6.8 | 0.1 | 0.0 |
| BA S/E LO VALLEDOR 12KV BP1 | 0.0 | 0.9 | 1.0 | 1.0 | 1.0 | 0.0 | 0.8 | 0.2 | 0.3 | 0.6 |
| BA S/E LO VALLEDOR 12KV BP3 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.5 | 0.1 | 0.0 | 0.0 |
| BA S/E LORD COCHRANE 12KV BP1 | 0.0 | 1.0 | 0.0 | 2.0 | 1.0 | 0.0 | 0.2 | 0.0 | 0.4 | 0.3 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E LOS DOMINICOS 12KV BP2 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.6 | 0.0 | 0.0 | 0.0 |
| BA S/E LOS DOMINICOS 12KV BP3 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.5 | 0.0 | 0.0 | 0.0 |
| BA S/E MACUL 12.5KV BP3 | 0.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 |
| BA S/E MACUL 12KV BP4 | 0.0 | 0.0 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.2 | 0.0 |
| BA S/E MACUL 20.4KV BP6 | 0.0 | 0.0 | 0.3 | 2.0 | 1.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.3 |
| BA S/E MAIPU 12KV BP1 | 0.0 | 1.0 | 0.0 | 0.3 | 1.0 | 0.0 | 1.0 | 0.0 | 0.1 | 0.6 |
| BA S/E MAIPU 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| BA S/E MALLOCO 12KV BP2 | 0.4 | 1.0 | 0.6 | 0.0 | 0.0 | 0.7 | 1.8 | 0.7 | 0.0 | 0.0 |
| BA S/E MALLOCO 23KV BP3 | 0.6 | 1.0 | 2.4 | 1.0 | 1.0 | 1.1 | 1.4 | 4.6 | 0.2 | 0.3 |
| BA S/E OCHAGAVIA 12KV BP1 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E OCHAGAVIA 12KV BP2 | 2.0 | 0.0 | 2.0 | 2.0 | 1.0 | 0.9 | 0.0 | 0.2 | 0.6 | 0.3 |
| BA S/E PAJARITOS 12.5KV BP1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 |
| BA S/E PAJARITOS 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| BA S/E PAJARITOS 23KV BP3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E PANAMERICANA 12KV BP1 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 |
| BA S/E PANAMERICANA 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E PANAMERICANA 12KV BP4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E PUDAHUEL 12KV BP1 | 0.0 | 0.0 | 0.0 | 0.7 | 2.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 |
| BA S/E PUDAHUEL 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E PUDAHUEL 12KV BP3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E QUILICURA 23KV BP1 | 2.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.9 | 7.1 | 0.0 | 3.9 | 0.0 |
| BA S/E QUILICURA 12KV BP2 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.0 | 0.0 | 0.0 |
| BA S/E QUILICURA 12KV BP3 | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 7.2 | 0.0 | 2.9 | 0.0 |
| BA S/E QUILICURA 12KV BP4 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 7.1 | 0.7 | 0.0 | 0.0 |
| BA S/E RECOLETA 13.2KV BP1 | 0.0 | 0.5 | 1.4 | 0.6 | 0.0 | 0.0 | 1.4 | 0.1 | 0.2 | 0.0 |
| BA S/E RECOLETA 12KV BP2 | 0.0 | 1.0 | 0.4 | 0.0 | 0.0 | 0.0 | 2.8 | 0.1 | 0.0 | 0.0 |
| BA S/E RECOLETA 12KV BP4 | 3.0 | 1.5 | 0.6 | 0.4 | 1.0 | 0.3 | 4.2 | 0.1 | 0.1 | 1.0 |
| BA S/E RUNGUE 23KV BP1 | 6.0 | 4.0 | 2.0 | 2.0 | 1.0 | 15.4 | 11.0 | 3.1 | 1.9 | 0.5 |
| BA S/E SAN BERNARDO 12KV BP1 | 3.4 | 0.0 | 0.8 | 3.0 | 0.0 | 2.4 | 0.0 | 0.1 | 1.7 | 0.0 |
| BA S/E SAN BERNARDO 12KV BP2 | 1.0 | 0.0 | 3.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.6 | 0.0 | 0.0 |
| BA S/E SAN BERNARDO 12KV BP3 | 2.2 | 0.0 | 0.6 | 0.0 | 0.0 | 0.7 | 0.0 | 0.1 | 0.0 | 0.0 |
| BA S/E SAN BERNARDO 12KV BP4 | 0.0 | 0.0 | 1.4 | 2.0 | 2.0 | 0.0 | 0.0 | 2.5 | 2.6 | 3.8 |
| BA S/E SAN CRISTOBAL 12KV BP1 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.1 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E SAN CRISTOBAL 12KV BP2 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN CRISTOBAL 13.2KV BP3 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN JOAQUIN (CHILECTRA) 12KV BP1 | 0.0 | 0.0 | 1.0 | 2.4 | 1.0 | 0.0 | 0.0 | 0.2 | 0.9 | 0.3 |
| BA S/E SAN JOAQUIN (CHILECTRA) 12KV BP2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN JOAQUIN (CHILECTRA) 12KV BP3 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN JOAQUIN (CHILECTRA) 12KV BP4 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E SAN JOSE 12KV BP1 | 2.2 | 0.0 | 0.1 | 3.0 | 1.0 | 5.4 | 0.0 | 0.0 | 0.8 | 0.6 |
| BA S/E SAN JOSE 12KV BP2 | 0.8 | 0.0 | 0.9 | 1.0 | 0.0 | 0.9 | 0.0 | 0.1 | 0.5 | 0.0 |
| BA S/E SAN JOSE 12KV BP3 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| BA S/E SAN JOSE 12KV BP4 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 60.0 | 0.2 | 0.0 |
| BA S/E SAN PABLO 23KV BP1 | 0.0 | 3.0 | 0.0 | 0.0 | 1.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.1 |
| BA S/E SAN PABLO 23KV BP2 | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ELENA 12KV BP2 | 0.0 | 0.0 | 2.0 | 1.7 | 1.0 | 0.0 | 0.0 | 0.7 | 0.8 | 0.3 |
| BA S/E SANTA ELENA 12KV BP3 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E SANTA ELENA 12KV BP4 | 0.0 | 1.0 | 0.0 | 0.5 | 1.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.5 |
| BA S/E SANTA MARTA 12KV BP1 | 2.0 | 0.0 | 1.3 | 2.0 | 1.0 | 0.2 | 0.0 | 0.1 | 1.2 | 0.6 |
| BA S/E SANTA MARTA 12KV BP2 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E SANTA MARTA 23KV BP3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA RAQUEL 12KV BP1 | 0.0 | 0.4 | 0.0 | 0.2 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA RAQUEL 12KV BP2 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA RAQUEL 12KV BP4 | 0.0 | 0.2 | 1.0 | 0.8 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 |
| BA S/E SANTA RAQUEL 20.4KV BP5 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP1 | 0.0 | 1.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.4 | 1.5 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP2 | 1.0 | 0.3 | 0.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP3 | 0.0 | 0.2 | 0.0 | 1.0 | 0.0 | 0.0 | 0.4 | 0.0 | 3.4 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP4 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 |
| BA S/E VITACURA 12.5KV BP1 | 3.0 | 1.0 | 1.0 | 1.0 | 0.0 | 1.9 | 1.5 | 0.1 | 0.3 | 0.0 |
| BA S/E VITACURA 12KV BP2 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.9 | 1.5 | 0.0 | 0.0 | 0.0 |
| BA S/E VITACURA 12KV BP3 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.9 | 1.5 | 0.0 | 0.0 | 0.0 |
| BA S/E VITACURA 12KV BP4 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.9 | 1.5 | 0.0 | 0.0 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E BICENTENARIO 13.2KV BP1 | 2.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.6 |
| BA S/E POLPAICO 23KV BP1 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E CHACABUCO 23KV BP8 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN CRISTOBAL 12KV BP5 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 |
| BA S/E LO VALLEDOR 12KV BP4 | | | | | | | | | | |
| BA S/E LA REINA 12KV BP3 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 |
| BA S/E APOQUINDO 12KV BP3 | 2.0 | 1.0 | 0.0 | 1.0 | 0.0 | 1.6 | 1.5 | 0.0 | 0.5 | 0.0 |
| BA S/E FLORIDA 12KV | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.3 | 0.0 | 0.0 |
| BA S/E CHICUREO 23KV BP1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.4 | 0.2 | 0.3 | 0.1 | 0.0 |
| BA S/E ANDES 12KV BP4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA TAP ENTEL 12KV | 4.0 | 3.0 | 1.0 | 2.0 | 2.0 | 12.8 | 13.2 | 6.1 | 6.1 | 33.1 |
| BA S/E SAN JOSE 12KV B3P | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| BA S/E SAN PABLO 23KV BP3 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ROSA SUR 12KV BP6 | | | | | | | | | | |
| METRO | | | | | | | | | | |
| BA S/E MACUL 20.4KV BP6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| BA S/E OCHAGAVIA 110KV BP1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| BA S/E OCHAGAVIA 110KV BP2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| BA S/E SANTA RAQUEL 20.4KV BP5 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| BA S/E METRO BARRA A1- 110KV | 6.0 | 1.0 | 2.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.5 | 0.0 | 0.2 |
| BA S/E METRO BARRA B1- 110KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| MELIPILLA | | | | | | | | | | |
| CGE | | | | | | | | | | |
| BA S/E BAJO MELIPILLA 13.2KV BP1 | 2.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.4 | 0.0 | 0.4 | 1.4 | 0.0 |
| BA S/E BOLLENAR 13.2KV | 8.2 | 2.0 | 3.0 | 3.0 | 3.0 | 2.8 | 1.6 | 0.8 | 3.9 | 4.2 |
| BA S/E CHOCALAN 13.2KV | 0.0 | 0.0 | 0.0 | 5.0 | 2.0 | 0.0 | 0.0 | 0.0 | 3.0 | 0.6 |
| BA S/E EL MAITEN 13.2KV | 2.0 | 0.0 | 2.0 | 1.0 | 1.0 | 0.4 | 0.0 | 0.7 | 0.5 | 0.4 |
| BA S/E EL MONTE 13.2KV | 3.0 | 0.0 | 4.0 | 2.0 | 1.0 | 1.4 | 0.0 | 3.7 | 1.1 | 0.0 |
| BA S/E EL PAICO 13.2KV | 3.0 | 0.0 | 3.0 | 1.0 | 1.0 | 1.8 | 0.0 | 10.4 | 0.5 | 0.0 |
| BA S/E LEYDA 13.2KV | 1.0 | 0.0 | 0.0 | 2.0 | 1.0 | 0.2 | 0.0 | 0.0 | 4.4 | 0.2 |
| BA S/E BAJO MELIPILLA 13.2KV BP2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| CHILQUINTA | | | | | | | | | | |
| BA S/E SAN ANTONIO BARRA 12KV N° 1 | 3.7 | 0.0 | 0.3 | 0.2 | 0.4 | 3.4 | 0.0 | 0.2 | 0.1 | 0.1 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E SAN ANTONIO BARRA 12KV N° 2 | 7.7 | 0.0 | 1.6 | 0.3 | 0.6 | 4.4 | 0.0 | 0.4 | 0.1 | 0.1 |
| BA S/E SAN SEBASTIAN BARRA 12KV N° 1 | 2.0 | 0.0 | 2.3 | 1.0 | 1.0 | 2.3 | 0.0 | 1.9 | 0.4 | 0.2 |
| BA S/E SAN ANTONIO BARRA 23KV N° 1 | 1.1 | 0.0 | 1.1 | 0.5 | 0.0 | 0.6 | 0.0 | 1.9 | 0.2 | 0.0 |
| LITORAL | | | | | | | | | | |
| BA S/E SAN SEBASTIAN BARRA 12KV N° 1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN SEBASTIAN BARRA 12KV N° 2 | 2.0 | 0.0 | 1.9 | 1.0 | 2.0 | 6.4 | 0.0 | 4.2 | 0.5 | 2.1 |
| RAPEL | | | | | | | | | | |
| CGE | | | | | | | | | | |
| BA S/E ALHUE 23KV | 5.0 | 3.0 | 3.0 | 2.0 | 0.0 | 55.3 | 13.6 | 5.1 | 0.2 | 0.0 |
| BA S/E ALCONES 23KV | 0.0 | 2.0 | 3.0 | 2.0 | 3.6 | 0.0 | 9.6 | 2.2 | 1.8 | 5.7 |
| BA S/E EL PEUMO 23KV | 1.0 | 3.0 | 2.0 | 2.0 | 0.0 | 5.7 | 4.3 | 3.7 | 0.2 | 0.0 |
| BA S/E LA ESPERANZA (TRANSNET) 13.2KV | 1.0 | 2.0 | 1.0 | 3.0 | 2.0 | 0.2 | 11.1 | 0.6 | 1.4 | 3.8 |
| BA S/E LA MANGA 13.2KV | 2.6 | 2.2 | 2.4 | 3.0 | 3.0 | 4.2 | 2.5 | 1.1 | 0.6 | 4.9 |
| BA S/E LAS ARANAS 13.2KV | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.3 | 0.6 | 4.1 | 5.1 | 0.8 |
| BA S/E LAS ARANAS 23KV | 1.0 | 2.0 | 2.0 | 1.0 | 0.0 | 1.3 | 4.9 | 3.7 | 0.1 | 0.0 |
| BA S/E LIHUEIMO 13.2KV T1-T2 | 0.0 | 3.0 | 3.0 | 1.6 | 3.0 | 0.0 | 4.3 | 1.5 | 1.5 | 3.0 |
| BA S/E MANDINGA 13.8KV | 0.0 | 1.0 | 2.0 | 3.0 | 1.0 | 0.0 | 1.0 | 1.1 | 20.9 | 0.1 |
| BA S/E MARCHIGÜE 13.2KV | 0.0 | 4.0 | 3.0 | 1.3 | 1.6 | 0.0 | 17.6 | 1.5 | 1.3 | 2.5 |
| BA S/E PANIAHUE 13.2KV | 1.0 | 2.0 | 5.0 | 2.0 | 3.0 | 4.9 | 1.9 | 7.3 | 1.4 | 5.2 |
| BA S/E QUELENTARO 13.2KV | 0.0 | 1.0 | 0.0 | 1.0 | 2.0 | 0.0 | 1.9 | 0.0 | 0.2 | 2.7 |
| BA S/E SANTA ROSA (TRANSNET) 23KV | 0.0 | 2.0 | 1.0 | 2.0 | 0.0 | 0.0 | 2.7 | 3.1 | 0.2 | 0.0 |
| BA S/E PORTEZUELO 23KV ET3 | 0.0 | 2.0 | 1.0 | 2.0 | 2.0 | 0.0 | 11.1 | 0.6 | 1.4 | 3.8 |
| BA S/E MARCHIGÜE 23KV | 0.0 | 2.0 | 3.0 | 1.7 | 0.4 | 0.0 | 11.4 | 1.5 | 1.5 | 1.3 |
| BA S/E LIHUEIMO 13,2KV BP3 | 0.0 | 0.0 | 1.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 |
| BA S/E ALCONES BARRA 2 23kv | 0.0 | 0.0 | 1.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.3 | 0.0 | 1.2 |
| RANCAGUA | | | | | | | | | | |
| CEC | | | | | | | | | | |
| BA S/E QUINTA 13.2KV | 2.5 | 0.0 | 1.0 | 1.0 | 2.0 | 0.3 | 0.0 | 1.4 | 1.9 | 1.4 |
| CGE | | | | | | | | | | |
| BA S/E GRANEROS 15KV T1 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.9 | 0.8 | 0.5 | 0.2 | 0.1 |
| BA S/E HOSPITAL 15KV | 2.0 | 2.0 | 1.0 | 4.0 | 0.0 | 0.2 | 3.3 | 0.0 | 1.9 | 0.0 |
| BA S/E LA RONDA 15KV | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.4 | 0.0 | 0.0 | 0.0 |
| BA S/E LAS CABRAS 15KV | 4.0 | 5.0 | 4.0 | 4.0 | 2.0 | 14.8 | 5.2 | 17.0 | 15.7 | 2.9 |
| BA S/E ALAMEDA 15KV C1 | 2.0 | 0.4 | 1.5 | 1.0 | 0.0 | 0.5 | 0.8 | 0.3 | 0.3 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E BUIN (TRANSNET) 15KV C1 | 0.0 | 1.0 | 2.9 | 1.0 | 0.0 | 0.0 | 0.1 | 1.0 | 0.2 | 0.0 |
| BA S/E CACHAPOAL 15KV C1 | 2.5 | 1.0 | 1.3 | 1.0 | 0.6 | 0.6 | 0.3 | 0.9 | 0.2 | 0.1 |
| BA S/E CHIMBARONGO 15KV B1 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 |
| BA S/E CHUMAQUITO 15KV | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.4 | 0.7 | 0.5 | 0.1 | 0.0 |
| BA S/E COLCHAGUA 15KV C1 | 1.0 | 0.0 | 1.3 | 0.4 | 0.4 | 0.2 | 0.0 | 1.1 | 0.1 | 0.7 |
| BA S/E RENGO 15KV | 1.0 | 3.0 | 1.0 | 1.0 | 0.0 | 0.3 | 0.9 | 0.1 | 0.1 | 0.0 |
| BA S/E SAN VICENTE DE TAGUA TAGUA 15KV C1 | 0.8 | 2.0 | 3.0 | 2.0 | 1.0 | 0.9 | 0.4 | 2.9 | 0.3 | 0.1 |
| BA S/E TUNICHE 15KV | 3.0 | 1.0 | 4.0 | 1.0 | 2.0 | 0.5 | 4.2 | 6.7 | 1.1 | 3.8 |
| BA S/E LO MIRANDA 15KV C1 | 6.8 | 0.0 | 1.7 | 0.3 | 1.0 | 4.7 | 0.0 | 0.5 | 0.1 | 1.0 |
| BA S/E LORETO 15KV | 3.0 | 0.0 | 1.0 | 1.0 | 3.0 | 0.5 | 0.0 | 0.1 | 2.7 | 2.4 |
| BA S/E MALLOA 15KV C1 | 2.0 | 1.0 | 2.0 | 2.0 | 0.0 | 2.4 | 0.1 | 2.1 | 3.4 | 0.0 |
| BA S/E PELEQUEN 15KV | 1.0 | 3.0 | 2.0 | 1.0 | 0.0 | 0.3 | 1.8 | 2.5 | 0.1 | 0.0 |
| BA S/E EL MANZANO (TRANSNET) 15KV | 7.0 | 5.0 | 5.0 | 3.0 | 4.0 | 48.8 | 5.5 | 24.6 | 9.4 | 7.3 |
| BA S/E ISLA DE MAIPO 12KV C1 | 3.0 | 1.8 | 2.4 | 2.0 | 1.2 | 2.6 | 0.4 | 2.7 | 3.0 | 1.4 |
| BA S/E QUINTA DE TILCOCO 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E GRANEROS 66KV | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| BA S/E HOSPITAL 66KV | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| BA S/E ISLA DE MAIPO 23KV C2 | 2.0 | 0.0 | 0.9 | 3.5 | 0.0 | 1.3 | 0.0 | 1.5 | 6.5 | 0.0 |
| BA S/E ROSARIO 15KV | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.6 | 0.0 | 0.0 | 0.0 |
| BA S/E QUINTA DE TILCOCO 15KV | 0.0 | 3.0 | 2.0 | 0.0 | 0.0 | 0.0 | 11.9 | 3.3 | 0.0 | 0.0 |
| BA S/E ALAMEDA 15KV C2 | 1.0 | 0.6 | 0.5 | 1.0 | 0.0 | 0.3 | 1.0 | 0.1 | 0.3 | 0.0 |
| BA S/E BUIN (TRANSNET) 15KV C2 | 6.2 | 2.0 | 6.4 | 1.0 | 2.0 | 2.1 | 0.2 | 1.4 | 0.1 | 2.2 |
| BA S/E CACHAPOAL 15KV C2 | 5.8 | 1.0 | 2.7 | 0.0 | 0.4 | 2.3 | 0.1 | 1.0 | 0.0 | 0.2 |
| BA S/E COLCHAGUA 15KV C2 | 1.0 | 0.0 | 1.7 | 0.6 | 0.6 | 0.2 | 0.0 | 1.8 | 0.3 | 1.0 |
| BA S/E SAN FRANCISCO DE MOSTAZAL 15KV C2 | 1.0 | 2.0 | 0.0 | 2.0 | 0.0 | 0.4 | 0.2 | 0.0 | 0.1 | 0.0 |
| BA S/E SAN VICENTE DE TAGUA TAGUA 15KV C2 | 2.2 | 1.0 | 0.0 | 1.0 | 0.0 | 1.6 | 0.3 | 0.0 | 0.6 | 0.0 |
| BA S/E LO MIRANDA 15KV C2 | 2.5 | 0.0 | 1.3 | 0.7 | 2.0 | 0.6 | 0.0 | 0.4 | 0.5 | 1.3 |
| BA S/E ISLA DE MAIPO 12KV C3 | 2.0 | 0.2 | 1.3 | 1.5 | 0.8 | 2.1 | 0.0 | 0.9 | 1.6 | 0.9 |
| BA S/E NANCAGUA 13.2KV | 4.0 | 2.0 | 2.0 | 0.0 | 0.0 | 11.9 | 4.1 | 1.2 | 0.0 | 0.0 |
| BA S/E PLACILLA 13.2KV | 4.0 | 2.0 | 1.0 | 1.0 | 2.0 | 9.4 | 2.7 | 0.6 | 1.3 | 7.0 |
| BA S/E LOS LIRIOS (FFCC) 66KV | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| BA S/E SAUZAL 13.8KV | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 |
| BA S/E CHIMBARONGO 15KV BT | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.1 | 1.4 | 1.1 | 0.8 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E CHIMBARONGO 15KV B2 | 1.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.2 | 0.1 | 0.0 | 0.0 | 2.1 |
| BA S/E FATIMA 15KV BP1 | 1.0 | 3.0 | 1.0 | 2.0 | 0.0 | 2.6 | 1.4 | 0.0 | 1.7 | 0.0 |
| BA S/E SAN FERNANDO 15KV | 2.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.2 | 0.0 | 0.0 | 0.0 | 1.9 |
| BA S/E MACHALI 15KV | 2.0 | 1.0 | 2.0 | 1.0 | 0.0 | 0.5 | 0.6 | 0.5 | 0.3 | 0.0 |
| CMP TISSUE | | | | | | | | | | |
| BA S/E PAPELERA TALAGANTE 66KV | 1.0 | 1.5 | 4.5 | 5.0 | 0.0 | 0.2 | 1.0 | 7.4 | 5.4 | 0.0 |
| CODELCO CHILE – DIVISIÓN EL TENIENTE | | | | | | | | | | |
| BA S/E MINERO 110KV BP1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1.0 | 3.8 |
| BA S/E MINERO 110KV BP2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1.0 | 3.8 |
| BA S/E CORDILLERA 110KV HB1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| BA S/E EL COBRE (CODELCO) 110KV B1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 |
| BA S/E MINERO 110KV BP1 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1.0 | 3.8 |
| EFE | | | | | | | | | | |
| BA S/E CENTRAL LOS GUINDOS 6.6KV B1 (FFCC) | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.3 | 0.0 | 0.0 |
| BA S/E LOS LIRIOS (FFCC) 66KV | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.7 | 0.0 | 0.0 | 0.0 |
| BA S/E QUINTA (FFCC) 66KV | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.2 | 0.0 | 0.0 | 1.8 | 0.0 |
| BA S/E GRANEROS (FFCC) 66KV | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| BA S/E SAN FERNANDO (FFCC) 66KV B1 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E HOSPITAL (FFCC) 66KV B1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 2.8 | 0.1 | 0.0 | 0.2 | 0.0 |
| BA S/E RENGO (FFCC) 66KV B1 | 2.0 | 3.0 | 1.0 | 0.0 | 0.0 | 23.4 | 0.9 | 0.1 | 0.0 | 0.0 |
| FUNDICIÓN TALLERES | | | | | | | | | | |
| BA TAP MAESTRANZA 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E R2 13.8KV B1 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 3.6 | 5.8 | 0.0 | 0.0 | 0.0 |
| BA S/E R2 13.8KV B2 | | | | | | | | | | |
| BA S/E RANCAGUA 66KV B1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E R 13.8KV B1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E R 13.8KV B2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MINERA VALLE CENTRAL | | | | | | | | | | |
| BA S/E MINERA VALLE CENTRAL 154KV | 5.1 | 1.5 | 3.0 | 3.0 | 0.0 | 5.2 | 10.2 | 14.2 | 57.6 | 0.0 |
| ITAHUE | | | | | | | | | | |
| CARTULINAS CMPC | | | | | | | | | | |
| BA S/E PROCART 220KV | 1.0 | 0.0 | 4.0 | 3.0 | 3.0 | 0.4 | 0.0 | 9.5 | 7.8 | 6.4 |
| CEC | | | | | | | | | | |
| BA S/E TENO 13.2KV BP2 | 0.0 | 1.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.2 | 0.0 | 2.8 | 0.0 |
| BA S/E CURICO 13.8KV BP1 | 1.4 | 2.0 | 2.0 | 2.1 | 1.0 | 1.4 | 0.9 | 0.5 | 0.4 | 0.8 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E CURICO 13.8KV BP2 | 1.0 | 1.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E CURICO 13.8KV BP3 | 0.0 | 1.0 | 0.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| CELULOSA ARAUCO | | | | | | | | | | |
| BA S/E CONSTITUCION 66KV | 0.0 | 0.0 | 0.0 | 4.0 | 6.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.3 |
| BA S/E LICANTEN 66KV | 2.0 | 0.0 | 0.0 | 2.0 | 0.0 | 15.2 | 0.0 | 0.0 | 4.5 | 0.0 |
| CEMENTO BIO BIO CENTRO | | | | | | | | | | |
| BA S/E TENO 15KV | 2.1 | 0.0 | 0.0 | 1.5 | 0.0 | 0.1 | 0.0 | 0.0 | 6.2 | 0.0 |
| BA S/E TENO 13.2KV BP2 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 0.0 |
| CGE | | | | | | | | | | |
| BA S/E COLBUN 13.8KV | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 24.8 |
| BA S/E RAUQUEN 13.2KV BP1 | 3.5 | 1.6 | 1.7 | 1.8 | 0.5 | 1.0 | 0.3 | 1.1 | 2.3 | 0.0 |
| BA S/E MOLINA 15KV BP1 | 1.6 | 1.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 | 0.0 | 0.0 |
| BA S/E LA PALMA 15KV | 4.0 | 1.4 | 3.0 | 3.0 | 2.0 | 5.1 | 0.6 | 1.2 | 1.0 | 0.8 |
| BA S/E SAN MIGUEL 15KV | 3.5 | 2.0 | 1.0 | 1.0 | 1.0 | 1.1 | 0.7 | 0.7 | 0.6 | 3.7 |
| BA S/E PANGUILEMO 15KV | 6.0 | 1.0 | 0.0 | 1.0 | 1.0 | 7.4 | 0.6 | 0.0 | 0.1 | 0.0 |
| BA S/E PIDUCO 15KV | 3.5 | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | 0.5 | 0.3 | 0.6 | 1.3 |
| BA S/E MAULE 15KV | 3.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.3 | 0.0 | 9.3 | 0.0 | 0.0 |
| BA S/E CHACAHUIN 15KV BP1 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 5.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E TENO 13.2KV BP1 | 0.0 | 1.0 | 1.0 | 1.5 | 0.5 | 0.0 | 0.2 | 4.5 | 9.4 | 0.0 |
| BA S/E VILLA ALEGRE 15KV BP1 | 8.8 | 2.0 | 4.0 | 0.0 | 1.0 | 0.9 | 0.2 | 0.4 | 0.0 | 0.0 |
| BA S/E TALCA 15KV BP1 | 2.8 | 2.0 | 0.0 | 0.3 | 0.0 | 0.7 | 2.2 | 0.0 | 0.1 | 0.0 |
| BA S/E TENO 15KV | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 |
| BA S/E ANCOA 13.8KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CONSTITUCION 23KV BP1 | 22.6 | 4.5 | 6.9 | 5.2 | 6.0 | 32.0 | 2.3 | 8.3 | 5.4 | 2.3 |
| BA S/E CONSTITUCION 23KV BP2 | 2.7 | 0.0 | 2.1 | 0.8 | 0.0 | 0.9 | 0.0 | 3.0 | 0.3 | 0.0 |
| BA S/E HUALANE 13.2KV | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.7 | 0.8 | 12.4 | 0.5 | 0.7 |
| BA S/E PARRONAL 13.2KV | 4.0 | 1.0 | 1.0 | 0.0 | 0.0 | 1.7 | 0.8 | 10.3 | 0.0 | 0.0 |
| BA S/E SAN CLEMENTE 13.2KV | 2.0 | 1.0 | 5.0 | 0.0 | 2.0 | 1.0 | 0.8 | 7.2 | 0.0 | 0.9 |
| BA S/E SAN JAVIER 23KV | 3.0 | 0.7 | 4.0 | 2.0 | 0.0 | 0.6 | 0.5 | 3.9 | 0.6 | 0.0 |
| BA S/E VILLA PRAT 13.2KV | 4.0 | 1.0 | 1.0 | 0.0 | 0.0 | 1.7 | 0.8 | 6.1 | 0.0 | 0.0 |
| BA S/E SAN RAFAEL 13.8KV | 5.0 | 1.0 | 0.0 | 3.0 | 1.0 | 9.6 | 0.6 | 0.0 | 6.0 | 0.6 |
| BA S/E TALCA 13.8KV | 1.3 | 1.0 | 0.2 | 0.1 | 1.0 | 0.3 | 0.7 | 0.1 | 0.1 | 1.6 |
| BA S/E RANGUILI 13.8KV BP1 | 6.7 | 1.0 | 1.0 | 0.0 | 0.0 | 25.3 | 0.8 | 12.6 | 0.0 | 0.0 |
| BA S/E LINARES NORTE B2 13.2KV | 0.0 | 1.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 0.0 |
| BA S/E CURICO 13.2KV BP1 | 2.0 | 3.0 | 0.8 | 2.5 | 0.7 | 0.7 | 2.5 | 0.4 | 0.5 | 0.0 |
| BA S/E CURICO 13.2KV BP2 | 3.0 | 2.0 | 0.7 | 0.5 | 1.3 | 2.2 | 0.7 | 0.2 | 0.1 | 1.3 |
| BA S/E CIPRESES 13.2KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E LICANTEN 23KV | 5.0 | 1.4 | 2.0 | 2.4 | 0.0 | 16.6 | 2.0 | 14.7 | 2.2 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E LICANTEN 13.2KV | 4.3 | 0.6 | 1.0 | 3.6 | 0.0 | 1.8 | 0.8 | 0.6 | 3.1 | 0.0 |
| BA S/E TENO 13.2KV BP2 | 0.0 | 1.0 | 0.0 | 1.5 | 0.5 | 0.0 | 0.2 | 0.0 | 3.0 | 0.0 |
| BA S/E RANGUILI 13.8KV BP2 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E RAUQUEN 13.2KV BP2 | 6.0 | 1.4 | 0.7 | 1.2 | 0.5 | 2.5 | 0.2 | 0.5 | 1.0 | 0.0 |
| BA S/E TALCA 15KV BP2 | 10.4 | 2.0 | 2.8 | 1.6 | 0.0 | 3.7 | 0.7 | 0.8 | 0.3 | 0.0 |
| BA S/E CHACAHUIN 15KV BP2 | 7.7 | 2.0 | 2.0 | 0.0 | 1.0 | 0.6 | 1.2 | 1.1 | 0.0 | 0.1 |
| BA S/E MOLINA 15KV BP2 | 1.0 | 2.0 | 0.0 | 0.0 | 1.0 | 0.1 | 0.7 | 0.0 | 0.0 | 0.3 |
| BA S/E NIRIVILLO 23KV B1 | 13.0 | 1.0 | 2.6 | 4.0 | 3.0 | 10.9 | 0.3 | 2.2 | 1.3 | 0.7 |
| BA S/E ITAHUE 13.8KV | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.0 | 0.0 | 0.0 |
| BA S/E LA PALMA 15KV BP2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| BA S/E LOS MAQUIS (TRANSNET) 15KV | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| CMPC MADERAS | | | | | | | | | | |
| BA S/E CONSTITUCION 23KV BP2 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 |
| EFE | | | | | | | | | | |
| BA S/E ITAHUE (FFCC) 66KV | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.7 | 0.0 | 0.0 |
| BA S/E VILLA ALEGRE (FFCC) 66KV | 9.0 | 2.0 | 2.0 | 0.0 | 1.0 | 1.0 | 0.2 | 0.1 | 0.0 | 0.0 |
| BA S/E CURICO (FFCC) 66KV B1 | 2.0 | 2.0 | 0.0 | 2.0 | 0.0 | 3.8 | 13.5 | 0.0 | 0.4 | 0.0 |
| BA S/E PANGUILEMO (FFCC) 66KV B1 | 2.0 | 1.0 | 0.0 | 1.0 | 1.0 | 0.9 | 0.6 | 0.0 | 0.3 | 0.0 |
| LUZ LINARES | | | | | | | | | | |
| BA S/E CONSTITUCION 23KV BP2 | 12.7 | 0.0 | 0.0 | 4.0 | 0.0 | 27.5 | 0.0 | 0.0 | 1.9 | 0.0 |
| BA S/E LINARES NORTE B2 13.2KV | 8.6 | 1.0 | 6.0 | 1.0 | 0.0 | 2.1 | 0.1 | 5.0 | 0.7 | 0.0 |
| BA S/E PANIMAVIDA BP2 13.2KV | 10.6 | 3.6 | 2.0 | 1.0 | 2.0 | 7.9 | 1.8 | 1.1 | 1.2 | 0.2 |
| BA S/E YERBAS BUENAS 13.2KV | 6.0 | 1.0 | 1.0 | 0.0 | 1.0 | 2.9 | 0.1 | 0.6 | 0.0 | 0.0 |
| PANELES ARAUCO | | | | | | | | | | |
| BA S/E PLANTA VINALES 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| BA S/E PLANTA MDP TENO 13.2KV | 0.0 | 2.0 | 0.0 | 1.0 | 1.0 | 0.0 | 1.5 | 0.0 | 2.4 | 0.0 |
| SAESA | | | | | | | | | | |
| BA S/E TENO 13.2KV BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CHARRÚA | | | | | | | | | | |
| CARTULINAS CMPC | | | | | | | | | | |
| BA S/E BUCALEMU 13.2KV | 5.0 | 0.0 | 1.0 | 0.0 | 0.0 | 19.8 | 0.0 | 2.4 | 0.0 | 0.0 |
| BA S/E PAPELERA INFORSA 220KV | 1.0 | 0.0 | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 18.9 | 0.0 |
| CELULOSA ARAUCO | | | | | | | | | | |
| BA S/E NUEVA ALDEA 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| CGE | | | | | | | | | | |
| BA S/E EL AVELLANO 15KV | 1.8 | 0.0 | 0.0 | 0.0 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.4 |
| BA S/E CHILLAN 13.2KV B1 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.2 | 0.0 | 0.0 | 0.0 |
| BA S/E SANTA ELVIRA 15KV BP1 | 2.3 | 2.5 | 1.0 | 2.0 | 0.6 | 11.6 | 0.3 | 0.2 | 0.2 | 0.0 |
| BA S/E MANSO DE VELASCO 15KV | 3.0 | 1.0 | 3.0 | 1.5 | 1.0 | 0.9 | 0.2 | 1.8 | 1.4 | 0.4 |
| BA S/E COCHARCAS (TRANSNET) 15KV | 4.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.2 | 0.7 | 0.7 | 0.5 | 0.0 |
| BA S/E EL AVELLANO 23KV | 2.2 | 1.0 | 1.7 | 2.0 | 2.3 | 0.7 | 3.8 | 6.3 | 4.6 | 0.7 |
| BA S/E CHILLAN 15KV | 4.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.7 | 2.7 | 0.4 | 2.2 | 0.0 |
| BA S/E LOS ANGELES 15KV | 3.6 | 0.0 | 2.0 | 2.0 | 2.0 | 1.6 | 0.0 | 0.3 | 0.5 | 1.0 |
| BA S/E MANSO DE VELASCO 23KV | 1.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.2 | 0.0 | 0.0 | 0.3 | 0.0 |
| BA S/E CAUQUENES 13.2KV | 8.0 | 4.0 | 10.0 | 1.0 | 5.0 | 32.6 | 8.4 | 25.8 | 0.1 | 6.7 |
| BA S/E HUALTE 13.2KV | 9.2 | 7.0 | 5.3 | 4.0 | 1.0 | 24.8 | 5.7 | 6.2 | 12.8 | 0.0 |
| BA S/E LA VEGA 23KV | 5.8 | 6.0 | 6.0 | 1.0 | 4.0 | 26.4 | 12.8 | 18.3 | 0.1 | 5.2 |
| BA S/E PARRAL 13.8KV BP1 | 6.0 | 2.0 | 5.0 | 1.0 | 2.0 | 9.5 | 6.3 | 10.3 | 0.1 | 0.1 |
| BA S/E QUIRIHUE 23KV | 10.0 | 4.0 | 5.5 | 4.2 | 2.3 | 16.1 | 3.1 | 2.5 | 2.9 | 1.0 |
| BA S/E QUIRIHUE 13.2KV | 6.3 | 1.0 | 3.7 | 2.8 | 1.7 | 13.3 | 2.2 | 11.4 | 3.3 | 0.6 |
| BA S/E RETIRO 13.2KV | 13.6 | 2.0 | 6.0 | 3.0 | 2.0 | 16.0 | 1.0 | 4.8 | 2.0 | 2.4 |
| BA S/E SAN CARLOS 13.2KV | 3.0 | 3.5 | 5.0 | 2.0 | 3.0 | 0.3 | 6.8 | 6.0 | 0.1 | 0.2 |
| BA S/E TRES ESQUINAS 066KV | 8.0 | 2.0 | 2.0 | 1.0 | 0.0 | 10.3 | 2.5 | 1.7 | 0.6 | 0.0 |
| BA S/E SAN GREGORIO 13.2KV | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.1 |
| BA S/E DUQUECO 23KV | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| BA S/E SANTA ELVIRA 15KV BP2 | 2.8 | 2.5 | 0.0 | 0.0 | 0.4 | 9.2 | 0.4 | 0.0 | 0.0 | 0.0 |
| BA S/E PARRAL 13.8KV BP2 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CHILLAN 13.2KV B2 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |
| BA S/E CAUQUENES 15KV BP2 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 |
| CMPC CELULOSA | | | | | | | | | | |
| BA S/E CELULOSA SANTA FE 220KV | 4.0 | 0.0 | 2.0 | 2.0 | 0.0 | 0.6 | 0.0 | 4.4 | 5.5 | 0.0 |
| BA S/E CELULOSA LAJA 220KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CELULOSA PACIFICO 220KV | 4.4 | 3.0 | 3.0 | 2.0 | 0.0 | 5.4 | 7.0 | 2.7 | 4.6 | 0.0 |
| CMPC MADERAS | | | | | | | | | | |
| BA S/E EL AVELLANO 15KV | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E EL AVELLANO 23KV | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| BA S/E CHARRUA 13.2KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CELULOSA SANTA FE 220KV | 2.0 | 0.0 | 1.0 | 2.0 | 0.0 | 0.3 | 0.0 | 0.4 | 5.5 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| COELCHA | | | | | | | | | | |
| BA S/E CHOLGUAN (STS) 13.2KV | 0.0 | 0.0 | 0.0 | 1.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.1 | 10.8 |
| BA S/E LAJA 13.8KV | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| BA S/E CABRERO 13.2KV | 2.5 | 0.0 | 1.5 | 1.0 | 3.0 | 0.2 | 0.0 | 0.8 | 0.2 | 1.7 |
| BA S/E NEGRETE 23KV | 0.0 | 0.0 | 1.0 | 3.0 | 6.0 | 0.0 | 0.0 | 5.1 | 1.1 | 2.3 |
| BA S/E CENTRAL PANGUE 13.8KV | 1.0 | 1.0 | 2.0 | 4.0 | 2.0 | 6.3 | 38.6 | 1.5 | 19.1 | 0.2 |
| COPELAN | | | | | | | | | | |
| BA S/E CENTRAL MAMPIL 13.8KV B1 | 1.0 | 0.0 | 0.0 | 0.0 | 2.0 | 5.2 | 0.0 | 0.0 | 0.0 | 2.4 |
| BA S/E LOS ANGELES 13.2KV | 4.3 | 0.0 | 0.0 | 2.0 | 2.0 | 1.8 | 0.0 | 0.0 | 0.5 | 1.0 |
| BA S/E EL AVELLANO 23KV | 5.0 | 1.0 | 1.0 | 0.0 | 3.0 | 0.8 | 3.8 | 9.2 | 0.0 | 0.7 |
| BA S/E LOS ANGELES 15KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CENTRAL RUCUE 23KV | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 11.9 | 0.5 | 0.0 | 0.0 | 0.0 |
| COPELEC | | | | | | | | | | |
| BA S/E CHILLAN 13.2KV B1 | 2.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.4 | 0.0 | 0.0 | 0.9 | 0.0 |
| BA S/E CHILLAN 15KV | 2.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.4 | 0.0 | 0.0 | 0.9 | 0.0 |
| BA S/E HUALTE 13.2KV | 12.0 | 4.0 | 4.0 | 4.0 | 0.0 | 18.9 | 2.3 | 2.0 | 12.8 | 0.0 |
| BA S/E SAN CARLOS 13.2KV | 5.0 | 2.0 | 3.0 | 2.0 | 0.0 | 0.5 | 0.2 | 0.8 | 0.1 | 0.0 |
| BA S/E QUILMO 033KV | 10.0 | 1.0 | 5.0 | 0.0 | 3.0 | 8.8 | 0.9 | 3.2 | 0.0 | 2.9 |
| BA S/E TRES ESQUINAS 13.8KV Nº1 | 10.0 | 1.0 | 7.0 | 0.0 | 2.0 | 9.9 | 1.5 | 6.4 | 0.0 | 3.4 |
| BA S/E COCHARCAS 13.8KV | 4.0 | 3.0 | 2.0 | 2.0 | 1.0 | 2.2 | 0.8 | 0.7 | 0.3 | 0.0 |
| BA S/E RECINTO 023KV | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| BA S/E SANTA ELISA 023KV | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| BA S/E CHILLAN 13.2KV B2 | 1.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.3 | 0.0 | 0.0 | 0.9 | 0.0 |
| EFE | | | | | | | | | | |
| BA S/E COCHARCAS (FFCC) 66KV | 4.0 | 3.0 | 3.0 | 2.0 | 1.0 | 2.2 | 0.8 | 0.8 | 0.3 | 0.0 |
| BA S/E NIQUEN (FFCC) 66KV | 3.0 | 2.0 | 2.0 | 2.0 | 3.0 | 1.1 | 6.8 | 3.4 | 1.5 | 3.9 |
| BA S/E RENAICO (FFCC) 66KV | 6.0 | 0.0 | 1.0 | 1.0 | 2.0 | 1.6 | 0.0 | 0.0 | 0.4 | 0.6 |
| BA S/E BULNES (FFCC) 66KV | 1.0 | 0.0 | 2.0 | 0.0 | 2.0 | 0.0 | 0.0 | 1.8 | 0.0 | 5.2 |
| BA S/E MONTE AGUILA (FFCC) 66KV BP1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E COLLIPULLI (FFCC) 66KV B1 | 6.0 | 0.0 | 2.0 | 2.0 | 3.0 | 0.7 | 0.0 | 0.4 | 11.2 | 1.7 |
| BA S/E LAJA (FFCC) 66KV B1 | 6.8 | 7.0 | 1.0 | 0.0 | 0.0 | 17.6 | 83.7 | 12.0 | 0.0 | 0.0 |
| BA S/E LONGAVI (FFCC) 66KV B1 | 9.5 | 2.0 | 3.0 | 2.0 | 1.0 | 17.2 | 1.0 | 10.4 | 1.1 | 0.0 |
| FRONTEL | | | | | | | | | | |
| BA S/E ABANICO 13.8KV B1 | 2.0 | 2.0 | 0.0 | 0.0 | 3.0 | 0.2 | 6.7 | 0.0 | 0.0 | 0.6 |
| BA S/E ANGOL 13.2KV | 7.6 | 1.0 | 4.0 | 7.0 | 5.5 | 5.1 | 6.4 | 0.3 | 1.1 | 2.0 |
| BA S/E COLLIPULLI 13.2KV | 7.0 | 0.0 | 3.0 | 9.0 | 5.0 | 0.9 | 0.0 | 0.5 | 6.7 | 3.5 |
| BA S/E LOS ANGELES 13.2KV | 4.0 | 0.0 | 1.0 | 1.0 | 2.0 | 3.0 | 0.0 | 0.2 | 0.2 | 1.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E ANGOL 23KV B1 | 7.6 | 1.0 | 4.0 | 6.0 | 2.5 | 3.9 | 6.4 | 0.3 | 0.9 | 1.0 |
| BA S/E CHOLGUAN (STS) 13.2KV | 1.4 | 2.1 | 4.0 | 1.0 | 5.0 | 3.8 | 2.9 | 7.6 | 0.1 | 10.8 |
| BA S/E CHARRUA 13.2KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E LAJA 13.8KV | 10.0 | 7.0 | 2.0 | 1.0 | 2.0 | 43.8 | 69.7 | 10.7 | 0.1 | 0.8 |
| BA S/E NEGRETE 23KV | 8.3 | 0.0 | 3.0 | 5.0 | 6.0 | 2.8 | 0.0 | 6.3 | 3.2 | 2.3 |
| BA S/E CABRERO 23KV BP1 | 8.3 | 0.7 | 3.9 | 2.0 | 3.0 | 2.2 | 0.3 | 1.4 | 0.7 | 1.7 |
| BA S/E PICOLTUE 23KV B. PRINCIPAL | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E LOS SAUCES 23KV PRINCIPAL | 8.0 | 1.0 | 4.0 | 9.0 | 5.0 | 2.7 | 5.7 | 0.3 | 2.5 | 3.3 |
| BA S/E DUQUECO 23KV | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| BA S/E NAHUELUTA 13.2KV CPR1 | 7.5 | 0.0 | 5.0 | 7.0 | 7.0 | 3.2 | 0.0 | 0.6 | 1.7 | 1.5 |
| BA S/E CENTRAL PANGUE 13.8KV | 2.0 | 1.0 | 3.0 | 9.0 | 3.0 | 9.5 | 39.0 | 8.5 | 35.5 | 1.6 |
| BA S/E DEUCO 13.8KV | 0.0 | 0.0 | 5.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.5 | 0.0 |
| BA S/E SANTA BARBARA 13.8KV | 0.0 | 1.0 | 1.0 | 6.0 | 1.0 | 0.0 | 0.2 | 1.0 | 12.2 | 0.1 |
| LUZ PARRAL | | | | | | | | | | |
| BA S/E PARRAL 13.8KV BP1 | 8.0 | 2.0 | 4.0 | 0.5 | 0.0 | 14.9 | 6.8 | 6.3 | 0.0 | 0.0 |
| BA S/E LONGAVI BL2 13.2KV | 7.0 | 1.0 | 7.7 | 4.0 | 2.0 | 3.7 | 0.0 | 4.5 | 3.1 | 1.2 |
| BA S/E SAN GREGORIO 13.2KV | 4.0 | 2.0 | 3.0 | 4.0 | 0.0 | 1.2 | 6.8 | 1.1 | 1.6 | 0.0 |
| BA S/E PARRAL 13.8KV BP2 | 7.5 | 0.0 | 1.0 | 0.5 | 0.0 | 12.3 | 0.0 | 0.1 | 0.0 | 0.0 |
| BA S/E PASO HONDO 13.2KV BP1 | 0.0 | 1.0 | 3.0 | 1.0 | 4.0 | 0.0 | 1.3 | 3.7 | 0.1 | 0.6 |
| MASISA | | | | | | | | | | |
| BA S/E MASISA 13.2KV | 2.4 | 1.0 | 1.6 | 0.0 | 3.0 | 0.2 | 0.3 | 0.9 | 0.0 | 1.9 |
| BA S/E FIBRANOVA 13.2KV | 3.5 | 1.0 | 1.5 | 0.0 | 3.0 | 6.3 | 0.3 | 0.7 | 0.0 | 1.9 |
| PANELES ARAUCO | | | | | | | | | | |
| BA S/E PLANTA CHOLGUAN 13.2KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E CHOLGUAN (STS) 13.2KV | 2.0 | 1.0 | 0.0 | 1.0 | 5.0 | 3.1 | 0.0 | 0.0 | 0.1 | 10.8 |
| CONCEPCIÓN | | | | | | | | | | |
| ARAUCO BIOENERGÍA | | | | | | | | | | |
| BA S/E HORCONES 66KV B1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CAP HUACHIPATO | | | | | | | | | | |
| BA S/E SAN VICENTE 154KV SECCIÓN A | 0.1 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.7 | 7.0 |
| CARTULINAS CMPC | | | | | | | | | | |
| BA S/E CORONEL 15KV B1 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 |
| CELULOSA ARAUCO | | | | | | | | | | |
| BA S/E PLANTA ARAUCO 66KV | 2.0 | 2.0 | 1.0 | 1.0 | 0.0 | 0.9 | 7.2 | 0.3 | 0.3 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| CEMENTO BÍO BÍO DEL SUR | | | | | | | | | | |
| BA S/E CEMENTOS BIO BIO 66KV | 0.1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 |
| CEMENTO POLPAICO | | | | | | | | | | |
| BA S/E POLPAICO (CEMENTOS POLPAICO) 66KV | 3.0 | 0.0 | 1.0 | 0.0 | 2.0 | 17.6 | 0.0 | 1.2 | 0.0 | 1.7 |
| CGE | | | | | | | | | | |
| BA S/E ESCUADRON (TRANSNET) 15KV | 1.0 | 1.0 | 0.0 | 0.0 | 4.0 | 0.1 | 0.1 | 0.0 | 0.0 | 6.4 |
| BA S/E LATORRE 15KV C1 | 0.8 | 0.0 | 2.4 | 2.0 | 1.0 | 0.1 | 0.0 | 2.2 | 0.8 | 0.7 |
| BA S/E ANDALIEN 15KV C1 | 0.9 | 0.0 | 0.7 | 0.3 | 1.3 | 0.2 | 0.0 | 0.3 | 0.1 | 0.2 |
| BA S/E ARENAS BLANCAS 15KV | 1.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.1 | 0.0 | 0.0 | 0.0 | 4.0 |
| BA S/E CHIGUAYANTE 15KV | 1.3 | 1.7 | 1.8 | 1.1 | 1.5 | 1.1 | 5.4 | 1.7 | 1.6 | 8.0 |
| BA S/E COLO COLO 15KV | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E PUCHOCO 15KV | 1.0 | 1.0 | 0.0 | 1.0 | 5.0 | 0.1 | 1.7 | 0.0 | 1.8 | 8.2 |
| BA S/E TUMBES 15KV | 1.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.1 | 0.0 | 0.3 | 0.2 | 0.7 |
| BA S/E LIRQUEN 15KV BP1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| BA S/E LOMA COLORADA 15KV | 2.0 | 1.0 | 3.0 | 0.0 | 4.0 | 0.3 | 0.4 | 1.2 | 0.0 | 2.4 |
| BA S/E MAHNS 15KV | 2.8 | 2.0 | 1.7 | 1.0 | 1.2 | 14.2 | 0.7 | 1.2 | 1.2 | 1.3 |
| BA S/E PENCO 15KV | 2.0 | 1.0 | 0.0 | 1.0 | 2.0 | 2.1 | 0.1 | 0.0 | 0.1 | 1.2 |
| BA S/E PERALES 15KV C1 | 0.9 | 0.0 | 1.4 | 1.7 | 1.2 | 0.1 | 0.0 | 0.3 | 0.7 | 1.2 |
| BA S/E SAN PEDRO (TRANSNET) CBP1 | 3.3 | 1.0 | 2.5 | 1.0 | 3.0 | 0.7 | 0.1 | 2.8 | 1.1 | 2.3 |
| BA S/E TALCAHUANO 15KV C1 | 1.8 | 0.0 | 2.0 | 0.5 | 0.8 | 0.3 | 0.0 | 0.4 | 0.2 | 0.6 |
| BA S/E TOME 23KV | 3.0 | 2.0 | 1.0 | 2.0 | 5.0 | 7.0 | 2.4 | 0.1 | 2.0 | 3.2 |
| BA S/E CORONEL 15KV B1 | 1.0 | 0.0 | 1.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.5 | 0.0 | 0.2 |
| BA S/E EJERCITO 15KV B1 | 0.9 | 1.0 | 1.3 | 0.3 | 1.0 | 0.2 | 0.1 | 1.2 | 0.2 | 0.5 |
| BA S/E LATORRE 15KV C2 | 0.2 | 0.0 | 0.6 | 0.0 | 0.0 | 0.1 | 0.0 | 5.5 | 0.0 | 0.0 |
| BA S/E ANDALIEN 15KV C2 | 1.8 | 0.0 | 0.3 | 0.7 | 0.7 | 1.2 | 0.0 | 0.2 | 0.2 | 0.1 |
| BA S/E PERALES 15KV C2 | 0.9 | 0.0 | 1.6 | 0.3 | 0.8 | 0.2 | 0.0 | 0.4 | 0.0 | 0.7 |
| BA S/E SAN PEDRO (TRANSNET) CBP2 | 3.6 | 1.0 | 4.5 | 2.0 | 2.0 | 1.6 | 0.1 | 5.1 | 0.7 | 1.1 |
| BA S/E TALCAHUANO 15KV C2 | 3.9 | 0.0 | 1.5 | 1.5 | 0.2 | 0.9 | 0.0 | 0.6 | 0.5 | 0.1 |
| BA S/E CHIGUAYANTE 15KV - 2 | 1.8 | 0.9 | 1.1 | 0.9 | 0.5 | 2.0 | 0.9 | 0.5 | 1.7 | 0.8 |
| BA S/E COLO COLO 15KV -2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MAHNS 15KV-2 | 1.2 | 0.0 | 0.3 | 0.0 | 4.8 | 1.6 | 0.0 | 0.0 | 0.0 | 9.6 |
| BA S/E EJERCITO 15KV B2 | 0.9 | 0.0 | 1.0 | 0.7 | 1.0 | 0.1 | 0.0 | 3.3 | 0.4 | 1.1 |
| BA S/E CORONEL 15KV B2 | 2.0 | 0.0 | 1.0 | 1.0 | 3.8 | 0.4 | 0.0 | 0.5 | 0.6 | 2.6 |
| BA S/E LIRQUEN 15KV BP2 | 3.0 | 0.0 | 0.0 | 1.0 | 1.3 | 4.9 | 0.0 | 0.0 | 2.0 | 0.7 |
| BA S/E LEBU 13.2KV BP1 | 0.0 | 0.0 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 2.5 | 3.8 | 0.0 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|-------------------------------------|------|------|------|------|------|-------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E MAHNS 15KV BP3 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| EFE | | | | | | | | | | |
| BA S/E ESCUADRON (TRANSNET) 66KV | 0.0 | 1.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.1 | 0.0 | 0.0 | 6.4 |
| BA S/E CHIGUAYANTE 66KV | 8.4 | 4.0 | 2.0 | 4.0 | 1.0 | 164.1 | 36.3 | 3.2 | 9.5 | 1.9 |
| BA S/E CONCEPCION (FFCC) 66KV | 2.4 | 0.0 | 1.0 | 3.0 | 3.0 | 1.6 | 0.0 | 0.2 | 4.3 | 2.3 |
| EKA CHILE | | | | | | | | | | |
| BA S/E EKA CHILE 154KV | 2.0 | 0.0 | 1.0 | 1.0 | 1.0 | 97.9 | 0.0 | 0.2 | 0.0 | 4.9 |
| ENAP REFINERÍA BIO BIO | | | | | | | | | | |
| BA S/E ERBB 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| FPC | | | | | | | | | | |
| BA S/E ESCUADRON (TRANSNET) 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| BA S/E FPC 154KV BP1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 |
| FRONTEL | | | | | | | | | | |
| BA S/E LEBU 13.2KV | 9.8 | 7.0 | 10.7 | 10.0 | 7.0 | 8.8 | 7.2 | 19.3 | 8.3 | 5.4 |
| BA S/E CARAMPANGUE 13.2KV | 4.0 | 6.0 | 6.0 | 3.8 | 3.6 | 0.3 | 6.6 | 4.6 | 6.9 | 1.9 |
| BA S/E CURANILAHUE 13.2KV | 4.4 | 5.3 | 6.2 | 4.0 | 2.3 | 1.0 | 2.4 | 8.7 | 7.3 | 3.3 |
| BA S/E TRES PINOS 13.2KV | 6.0 | 5.0 | 6.4 | 4.3 | 1.4 | 7.5 | 4.6 | 5.2 | 6.7 | 2.4 |
| BA S/E CURANILAHUE 23KV | 4.6 | 4.7 | 6.1 | 4.0 | 0.7 | 1.6 | 6.5 | 4.8 | 5.2 | 1.2 |
| BA S/E TRES PINOS 23KV | 5.0 | 7.5 | 8.2 | 5.7 | 2.6 | 0.4 | 8.9 | 12.7 | 6.8 | 3.4 |
| BA S/E CORONEL 15KV B1 | 1.5 | 0.0 | 1.0 | 0.0 | 0.0 | 14.9 | 0.0 | 0.5 | 0.0 | 0.0 |
| BA S/E LOTA 13.2KV B1 | 2.0 | 5.0 | 2.0 | 6.0 | 7.0 | 5.6 | 2.0 | 4.2 | 10.2 | 5.7 |
| BA S/E CANETE 23KV B.PRINCIPAL | 6.0 | 4.0 | 9.0 | 9.0 | 4.0 | 1.3 | 2.3 | 9.7 | 5.4 | 3.0 |
| BA S/E CARAMPANGUE 23KV | 4.0 | 4.0 | 5.6 | 4.2 | 7.4 | 0.3 | 2.6 | 4.6 | 5.3 | 4.3 |
| BA S/E ENACAR 13.2KV | 4.0 | 2.6 | 2.0 | 0.0 | 0.0 | 1.3 | 8.8 | 3.8 | 0.0 | 0.0 |
| INCHALAM | | | | | | | | | | |
| BA S/E SAN VICENTE 13.2KV SECCIÓN A | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 1.2 | 0.7 | 7.0 |
| MASISA | | | | | | | | | | |
| BA S/E MAPAL 154KV | 0.0 | 0.0 | 0.0 | 1.0 | 3.0 | 0.0 | 0.0 | 0.0 | 1.4 | 8.1 |
| MOLY-COP | | | | | | | | | | |
| BA S/E SAN VICENTE 13.2KV SECCIÓN A | 0.0 | 0.0 | 1.0 | 0.5 | 0.5 | 0.0 | 0.0 | 1.2 | 0.3 | 3.5 |
| BA S/E MOLYCOP 13.8KV | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 | 3.5 |
| OXY | | | | | | | | | | |
| BA S/E OXY 154KV | 1.0 | 0.0 | 0.0 | 2.0 | 1.0 | 2.9 | 0.0 | 0.0 | 3.7 | 4.9 |
| PAPELES BIO BIO | | | | | | | | | | |
| BA S/E PAPELERA BIO BIO 66KV | 7.8 | 0.0 | 4.0 | 4.0 | 4.0 | 3.5 | 0.0 | 5.5 | 3.2 | 2.6 |
| PETRODOW | | | | | | | | | | |
| BA S/E PETRODOW 154KV | | | | | | | | | | |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|-------------------------------------|------|------|------|------|------|------|------|-------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| PETROQUIM | | | | | | | | | | |
| BA S/E PETROPOWER 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| ARAUCANÍA | | | | | | | | | | |
| CARTULINAS CMPC | | | | | | | | | | |
| BA S/E CHUMPULLO 66KV | 0.0 | 1.0 | 0.0 | 3.0 | 0.0 | 0.0 | 0.5 | 0.0 | 1.8 | 0.0 |
| CELULOSA ARAUCO | | | | | | | | | | |
| BA S/E PLANTA VALDIVIA 220KV | | | | | | | | | | |
| CGE | | | | | | | | | | |
| BA S/E CHIVILCAN 15KV B1 | 0.0 | 0.6 | 0.0 | 0.5 | 0.7 | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 |
| BA S/E PUMAHUE 15KV | 5.0 | 1.0 | 3.0 | 2.0 | 0.0 | 1.1 | 0.5 | 1.5 | 0.7 | 0.0 |
| BA S/E PADRE LAS CASAS 15KV | 0.0 | 1.0 | 1.0 | 2.7 | 1.0 | 0.0 | 0.6 | 0.3 | 0.8 | 0.1 |
| BA S/E VILLARRICA 23KV | 2.4 | 2.0 | 28.6 | 4.0 | 3.0 | 1.0 | 0.8 | 137.2 | 3.4 | 1.5 |
| BA S/E LONCOCHE 13.2KV | 0.0 | 1.0 | 2.5 | 3.0 | 2.0 | 0.0 | 0.5 | 14.4 | 2.4 | 0.2 |
| BA S/E LAUTARO 15KV | 2.0 | 1.0 | 3.0 | 1.0 | 2.0 | 1.4 | 0.3 | 2.2 | 0.2 | 0.3 |
| BA S/E LONCOCHE 23KV | 0.0 | 1.0 | 10.2 | 1.0 | 2.0 | 0.0 | 0.5 | 39.9 | 0.6 | 1.1 |
| BA S/E LAS ENCINAS 15KV B1 | 0.0 | 0.5 | 0.0 | 1.1 | 0.9 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 |
| BA S/E PUCON 23KV | 2.0 | 2.0 | 28.0 | 8.0 | 7.0 | 10.4 | 3.7 | 83.9 | 16.2 | 10.7 |
| BA S/E PILLANLEBUN 23KV | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.4 | 0.0 | 0.0 |
| BA S/E PILLANLEBUN 15KV BP1 | 2.0 | 0.5 | 3.0 | 1.0 | 1.0 | 2.3 | 0.2 | 5.4 | 0.2 | 0.0 |
| BA S/E PILLANLEBUN 15KV BP2 | 1.0 | 0.5 | 1.0 | 0.0 | 0.0 | 0.1 | 0.3 | 1.4 | 0.0 | 0.0 |
| BA S/E PITRUFQUEN 15KV | 3.7 | 3.7 | 9.7 | 5.0 | 4.0 | 4.9 | 1.3 | 24.7 | 4.2 | 2.0 |
| BA S/E CHIVILCAN 15KV B2 | 0.0 | 0.4 | 0.0 | 0.5 | 0.3 | 0.0 | 0.6 | 0.0 | 0.1 | 0.5 |
| BA S/E LAS ENCINAS 15KV B2 | 0.0 | 0.5 | 0.0 | 0.9 | 1.1 | 0.0 | 0.2 | 0.0 | 0.2 | 0.1 |
| BA S/E PADRE LAS CASAS 66KV BP1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E PADRE LAS CASAS 66KV BP2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CODINER | | | | | | | | | | |
| BA S/E LAUTARO 13.2KV | 2.0 | 1.0 | 4.0 | 2.0 | 2.0 | 1.4 | 0.3 | 3.6 | 5.8 | 0.4 |
| BA S/E TRAIGUEN 13.2KV | 8.3 | 2.0 | 2.0 | 7.0 | 6.0 | 58.6 | 47.0 | 13.0 | 18.1 | 25.7 |
| BA S/E VICTORIA 13.2KV | 2.8 | 0.0 | 0.0 | 0.8 | 0.0 | 15.5 | 0.0 | 0.0 | 0.4 | 0.0 |
| BA S/E PITRUFQUEN 13.2KV | 2.9 | 3.0 | 9.8 | 6.0 | 6.0 | 4.4 | 1.1 | 25.0 | 27.9 | 5.8 |
| BA S/E LONCOCHE 13.2KV | 0.0 | 2.0 | 9.0 | 3.0 | 0.0 | 0.0 | 6.8 | 39.1 | 26.1 | 0.0 |
| BA S/E TEMUCO 13.2KV | 2.6 | 2.0 | 4.0 | 0.0 | 0.0 | 0.7 | 1.3 | 7.0 | 0.0 | 0.0 |
| BA S/E PITRUFQUEN 23KV | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E TEMUCO 23KV | 5.0 | 2.0 | 5.6 | 0.0 | 0.0 | 1.2 | 1.3 | 11.6 | 0.0 | 0.0 |
| BA S/E GORBEA 13,2KV | 3.0 | 5.0 | 11.0 | 5.0 | 6.0 | 1.0 | 73.1 | 85.6 | 28.2 | 6.4 |
| COOPREL | | | | | | | | | | |
| BA S/E CENTRAL PILMAIQUEN 13.2KV | 0.0 | 6.8 | 0.0 | 2.0 | 1.8 | 0.0 | 6.1 | 0.0 | 9.2 | 5.9 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E LA UNION 13.8KV | 1.0 | 1.0 | 0.0 | 2.0 | 2.0 | 0.1 | 0.7 | 0.0 | 1.3 | 0.8 |
| CRELL | | | | | | | | | | |
| BA S/E CENTRAL PILMAIQUEN 13.2KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E MELIPULLI 23KV | 1.0 | 1.0 | 0.5 | 3.0 | 1.0 | 0.3 | 0.7 | 0.2 | 1.4 | 1.0 |
| BA S/E PUERTO VARAS 13.8KV | 2.7 | 1.0 | 3.0 | 2.0 | 1.0 | 1.6 | 0.8 | 3.6 | 1.7 | 1.2 |
| EFE | | | | | | | | | | |
| BA S/E LAUTARO (FFCC) 66KV | 4.0 | 0.0 | 2.0 | 0.0 | 0.0 | 9.4 | 0.0 | 0.7 | 0.0 | 0.0 |
| BA S/E METRENCO (FFCC) 66KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E VICTORIA (FFCC) 66KV | 5.5 | 1.0 | 1.0 | 1.0 | 4.0 | 10.4 | 1.4 | 1.0 | 0.9 | 6.8 |
| FRONTEL | | | | | | | | | | |
| BA S/E CURACAUTIN 13.2KV | 6.2 | 5.6 | 14.5 | 7.0 | 21.0 | 12.8 | 16.5 | 26.8 | 10.5 | 9.8 |
| BA S/E LAUTARO 13.2KV | 2.0 | 3.0 | 3.5 | 0.5 | 0.0 | 1.4 | 0.4 | 2.8 | 0.1 | 0.0 |
| BA S/E TRAIQUEN 13.2KV | 7.3 | 1.7 | 2.3 | 6.7 | 6.0 | 46.2 | 18.9 | 14.9 | 11.5 | 20.2 |
| BA S/E VICTORIA 13.2KV | 2.5 | 0.0 | 0.0 | 1.0 | 0.0 | 14.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| BA S/E PULLINQUE 13.2KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E IMPERIAL 23KV | 4.9 | 7.6 | 2.6 | 4.0 | 10.0 | 19.8 | 12.7 | 3.4 | 4.5 | 10.5 |
| BA S/E LICANCO 23KV | 4.0 | 5.0 | 2.6 | 4.0 | 5.0 | 15.3 | 8.6 | 2.7 | 4.5 | 4.9 |
| BA S/E LAUTARO 23KV | 1.6 | 3.0 | 3.0 | 0.5 | 1.0 | 0.9 | 0.4 | 2.2 | 0.1 | 0.3 |
| BA S/E PITRUFUQUEN 23KV | 3.3 | 3.8 | 10.3 | 6.4 | 6.0 | 3.9 | 1.6 | 14.8 | 4.6 | 5.1 |
| BA S/E PILLANLELBUN 23KV | 3.2 | 1.0 | 3.9 | 1.0 | 0.0 | 18.0 | 0.3 | 7.9 | 0.2 | 0.0 |
| BA S/E GORBEA 13,2KV | 3.0 | 5.0 | 12.1 | 5.0 | 6.0 | 1.0 | 1.1 | 58.2 | 4.2 | 6.4 |
| BA S/E CUNCO 23KV | 0.0 | 0.0 | 3.0 | 2.6 | 0.0 | 0.0 | 0.0 | 6.3 | 3.0 | 0.0 |
| LUZ OSORNO | | | | | | | | | | |
| BA S/E CENTRAL PILMAIQUEN 13.2KV | 0.0 | 5.5 | 0.0 | 1.0 | 1.0 | 0.0 | 4.6 | 0.0 | 0.3 | 1.0 |
| BA S/E AIHUAPI 13.8KV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E AIHUAPI 23KV | 0.6 | 2.0 | 2.0 | 3.0 | 2.0 | 0.1 | 0.9 | 0.8 | 1.4 | 0.7 |
| BA S/E LA UNION 13.8KV | 0.1 | 1.0 | 0.0 | 2.2 | 1.0 | 0.0 | 0.7 | 0.0 | 1.3 | 0.6 |
| BA S/E LOS NEGROS 23KV | 4.0 | 2.0 | 3.0 | 4.0 | 2.0 | 1.4 | 0.8 | 1.0 | 1.4 | 0.8 |
| BA S/E OSORNO 13.8KV | 1.2 | 3.5 | 1.4 | 2.0 | 1.0 | 1.9 | 2.2 | 0.5 | 1.1 | 0.8 |
| BA S/E PURRANQUE 13.8KV | 0.9 | 1.4 | 0.0 | 2.0 | 3.0 | 3.0 | 1.5 | 0.0 | 1.1 | 2.4 |
| BA S/E LOS TAMBORES PR 23KV | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.1 |
| BA S/E PICHIL BPR1 23KV | 1.2 | 3.0 | 0.0 | 2.0 | 4.0 | 0.8 | 3.4 | 0.0 | 1.1 | 1.3 |
| SAESA | | | | | | | | | | |
| BA S/E CENTRAL PILMAIQUEN 13.2KV | 0.0 | 5.9 | 0.0 | 0.0 | 1.0 | 0.0 | 4.3 | 0.0 | 0.0 | 1.0 |
| BA S/E LONCOCHE 13.2KV | 0.0 | 2.5 | 9.0 | 4.0 | 0.0 | 0.0 | 6.1 | 11.3 | 26.8 | 0.0 |
| BA S/E PULLINQUE 13.2KV | 4.0 | 2.0 | 3.0 | 2.0 | 2.0 | 8.2 | 1.2 | 0.2 | 0.2 | 1.6 |
| BA S/E LONCOCHE 23KV | 0.0 | 2.5 | 0.0 | 2.0 | 0.0 | 0.0 | 6.1 | 0.0 | 25.5 | 0.0 |
| BA S/E AIHUAPI 23KV | 1.2 | 2.2 | 2.1 | 3.0 | 2.0 | 0.1 | 0.8 | 1.6 | 1.6 | 0.7 |

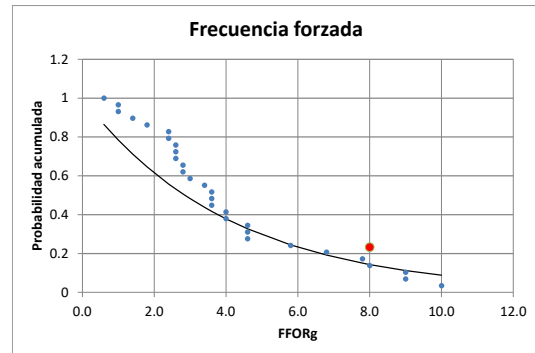
| Punto de Control | FMIK | | | | | TTIK | | | | |
|---|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E CORRAL 13.2KV | 4.0 | 6.5 | 12.0 | 9.0 | 4.0 | 28.1 | 16.6 | 52.7 | 21.8 | 5.6 |
| BA S/E FRUTILLAR 13.2KV | 2.0 | 1.1 | 2.2 | 2.3 | 3.0 | 0.5 | 0.8 | 4.3 | 1.7 | 0.9 |
| BA S/E FRUTILLAR 23kv | 2.0 | 0.6 | 1.4 | 1.7 | 1.0 | 0.5 | 0.9 | 2.5 | 1.4 | 0.2 |
| BA S/E LA UNION 13.8KV | 1.0 | 0.1 | 0.3 | 1.9 | 1.0 | 0.1 | 0.1 | 0.2 | 0.8 | 0.6 |
| BA S/E LA UNION 23KV-1 | 2.0 | 1.0 | 1.1 | 3.1 | 2.0 | 0.2 | 0.7 | 0.6 | 1.6 | 0.3 |
| BA S/E LA UNION 23KV-2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E LOS LAGOS 13.2KV | 0.0 | 2.0 | 2.0 | 2.0 | 3.0 | 0.0 | 6.6 | 0.2 | 1.3 | 15.4 |
| BA S/E MELIPULLI 23KV | 0.9 | 1.0 | 2.0 | 4.0 | 1.0 | 0.3 | 0.7 | 3.0 | 1.8 | 1.0 |
| BA S/E OSORNO 23KV | 1.4 | 1.1 | 2.3 | 2.8 | 3.0 | 1.4 | 0.7 | 0.8 | 1.5 | 1.2 |
| BA S/E PANGUIPULLI 23KV | 3.2 | 4.0 | 8.0 | 10.0 | 6.0 | 2.0 | 2.0 | 4.5 | 27.8 | 2.5 |
| BA S/E PICARTE 23KV B1 | 1.4 | 3.5 | 3.0 | 0.8 | 0.9 | 0.6 | 1.6 | 2.8 | 0.5 | 0.3 |
| BA S/E PICARTE 23KV B2 | 1.6 | 2.9 | 1.0 | 1.2 | 0.1 | 0.5 | 1.3 | 0.3 | 0.8 | 0.1 |
| BA S/E PICHIRROPULLI 13.8KV | 2.0 | 0.3 | 2.0 | 1.3 | 0.0 | 1.6 | 0.8 | 0.9 | 0.4 | 0.0 |
| BA S/E PICHIRROPULLI 23KV | 2.0 | 1.7 | 2.0 | 3.7 | 1.0 | 0.6 | 2.2 | 0.8 | 3.2 | 0.6 |
| BA S/E PUERTO VARAS 13.8KV | 1.7 | 1.1 | 2.9 | 1.6 | 0.0 | 0.6 | 0.8 | 4.7 | 0.4 | 0.0 |
| BA S/E PUERTO VARAS 23KV | 1.8 | 1.8 | 1.9 | 3.4 | 1.0 | 0.8 | 1.3 | 1.4 | 2.0 | 1.2 |
| BA S/E PURRANQUE 13.8KV | 1.1 | 1.3 | 0.0 | 0.8 | 2.3 | 3.2 | 1.8 | 0.0 | 0.4 | 2.0 |
| BA S/E MARIQUINA 23KV | 0.0 | 2.0 | 0.0 | 2.0 | 1.0 | 0.0 | 1.7 | 0.0 | 0.5 | 0.4 |
| BA S/E PUERTO MONTT 220KV 2 (MELIPULLI) | 1.0 | 2.0 | 1.0 | 1.0 | 0.0 | 0.2 | 1.1 | 0.6 | 0.9 | 0.0 |
| BA S/E VALDIVIA 23KV | 0.0 | 0.9 | 1.0 | 1.8 | 0.9 | 0.0 | 0.3 | 0.3 | 1.4 | 0.3 |
| BA S/E VALDIVIA 13.2KV | 0.0 | 0.1 | 1.0 | 2.2 | 0.1 | 0.0 | 0.0 | 0.3 | 1.9 | 0.1 |
| BA S/E BARRO BLANCO 23KV B1 | 1.0 | 2.0 | 0.0 | 2.0 | 3.0 | 0.1 | 1.8 | 0.0 | 1.3 | 1.0 |
| BA S/E LOS TAMBORES PR 23KV | 1.0 | 2.0 | 0.0 | 6.0 | 2.0 | 0.1 | 1.8 | 0.0 | 3.7 | 0.8 |
| BA S/E PICHIL BPR1 23KV | 2.8 | 3.1 | 0.0 | 2.0 | 4.0 | 2.4 | 2.8 | 0.0 | 1.1 | 1.3 |
| BA S/E PURRANQUE 23KV | 1.0 | 1.3 | 0.0 | 1.2 | 0.7 | 0.1 | 1.4 | 0.0 | 0.7 | 0.7 |
| BA S/E OSORNO 23KV 3 | 1.4 | 1.8 | 0.6 | 0.0 | 0.0 | 1.9 | 1.2 | 0.2 | 0.0 | 0.0 |
| BA S/E RIO NEGRO 24 KV BP1 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.8 | 0.0 |
| BA S/E OSORNO 23KV BP2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| SOCOEPA | | | | | | | | | | |
| BA S/E LOS LAGOS 13.2KV | 0.0 | 1.0 | 0.0 | 2.0 | 2.0 | 0.0 | 0.6 | 0.0 | 1.3 | 13.6 |
| BA S/E PAILLACO 13.8KV | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.6 | 5.4 | 0.8 | 1.5 | 0.2 |
| CHILOÉ | | | | | | | | | | |
| SAESA | | | | | | | | | | |
| BA S/E ANCUD 23KV | 5.6 | 6.0 | 3.0 | 2.0 | 5.0 | 8.2 | 13.7 | 0.6 | 1.4 | 3.8 |
| BA S/E CALBUCO 23KV | 1.0 | 3.0 | 0.0 | 7.0 | 1.0 | 0.2 | 2.1 | 0.0 | 7.5 | 1.2 |
| BA S/E CASTRO 23KV | 5.6 | 1.0 | 5.0 | 3.0 | 3.0 | 5.5 | 0.8 | 1.4 | 1.6 | 2.9 |
| BA S/E CHONCHI 23KV | 4.7 | 1.0 | 7.0 | 3.0 | 5.0 | 3.2 | 0.8 | 8.2 | 1.6 | 3.6 |
| BA S/E COLACO 23KV B2 | 2.2 | 3.0 | 0.0 | 4.0 | 2.0 | 3.0 | 2.1 | 0.0 | 2.1 | 7.9 |

| Punto de Control | FMIK | | | | | TTIK | | | | |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2017 | 2018 | 2019 | 2020 | 2021 |
| BA S/E DEGAN 23KV B2 | 2.5 | 1.0 | 3.0 | 3.0 | 3.0 | 0.2 | 0.7 | 0.6 | 1.6 | 2.8 |
| BA S/E EL EMPALME 23KV BP1 | 1.0 | 3.0 | 0.0 | 2.0 | 1.0 | 0.2 | 2.1 | 0.0 | 1.5 | 1.1 |
| BA S/E PID PID 23KV | 8.6 | 1.9 | 6.7 | 4.0 | 3.0 | 5.0 | 1.4 | 1.6 | 1.8 | 2.9 |
| BA S/E QUELLON 23KV BP1 | 9.0 | 3.5 | 6.0 | 4.0 | 5.0 | 17.2 | 2.6 | 1.9 | 2.0 | 3.6 |
| BA S/E DALCAHUE 23KV BP1 | 9.0 | 1.7 | 6.0 | 3.0 | 3.0 | 75.4 | 1.2 | 1.5 | 1.7 | 2.8 |
| BA S/E QUELLON 23KV BP2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| BA S/E ALTO BONITO 23KV | 1.0 | 2.0 | 0.0 | 2.0 | 1.0 | 0.2 | 1.0 | 0.0 | 1.1 | 0.9 |

ANEXO 2: ANÁLISIS ESTADÍSTICO DE ÍNDICES DE INDISPONIBILIDAD GENERACIÓN

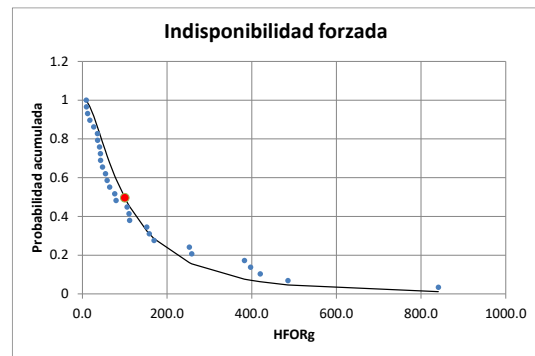
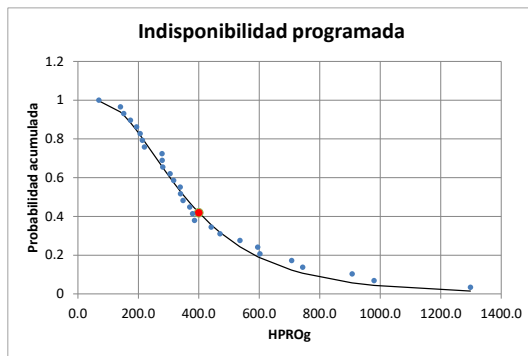
Hidráulica Embalse

| INDISPONIBILIDAD DE GENERACIÓN: EMBALSE | | | |
|---|--------|--------|-------|
| Período ene17-dic21 | | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 29 | | |
| MODELO ESTOCÁSTICO | HPRG | HFORg | FFORg |
| (1/5) media 5 años | 423.0 | 154.9 | 4.1 |
| (1/5) desvío 5 años | 275.9 | 186.0 | --- |
| Coefficiente de variación: cv | 0.6522 | 1.2005 | --- |
| 1+cv*cv | 1.4254 | 2.4411 | --- |
| sigma | 0.5953 | 0.9447 | --- |
| mu | 5.8702 | 4.5968 | --- |
| X25% | 529 | 188 | 5.7 |
| X20% | 585 | 220 | 6.6 |
| X15% | 657 | 264 | 7.8 |
| X10% | 760 | 333 | 9.5 |
| X5% | 943 | 469 | 12.3 |
| CUMPLIMIENTO NTSyCS | HPRG | HFORg | FFORg |
| Límite NTSyCS | 400 | 100 | 8 |
| Pr(X>Límite NTSyCS) | 41.9% | 49.6% | 14.3% |



a)

b)



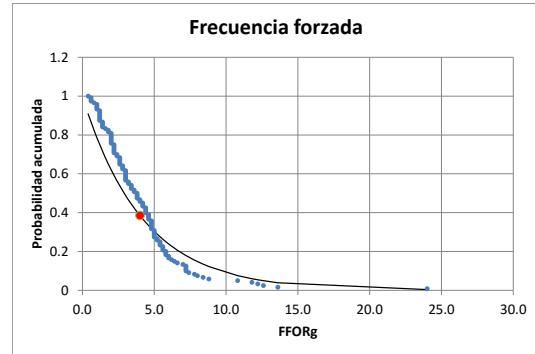
c)

d)

Figura 1: Resultado de índices de indisponibilidad de generación Hidráulica de Embalse; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

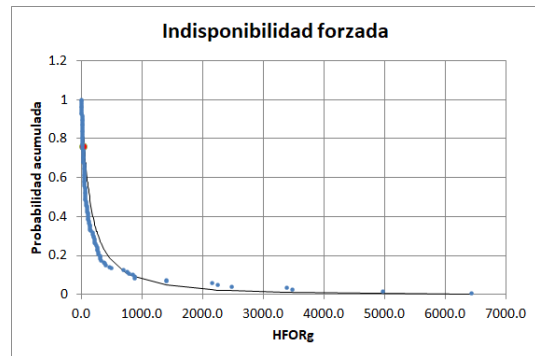
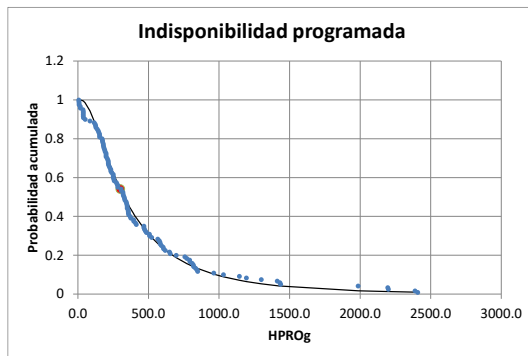
Hidráulica Pasada

| INDISPONIBILIDAD DE GENERACIÓN: PASADA | | | |
|--|--------|--------|-------|
| Período ene17-dic21 | | | |
| Duración periodo: A (años) | 5 | | |
| Unidades técnicas: N (#) | 120 | | |
| MODELO ESTO CÁSTICO | HPRGg | HFORg | FFORg |
| (1/5) media 5 años | 470.6 | 360.8 | 4.2 |
| (1/5) desvío 5 años | 484.8 | 913.5 | --- |
| Coficiente de variación: cv | 1.0301 | 2.5319 | --- |
| 1+cv*cv | 2.0612 | 7.4105 | --- |
| sigma | 0.8505 | 1.4152 | --- |
| mu | 5.7924 | 4.8868 | --- |
| X25% | 582 | 344 | 5.8 |
| X20% | 671 | 436 | 6.7 |
| X15% | 791 | 575 | 8.0 |
| X10% | 975 | 813 | 9.7 |
| X5% | 1328 | 1359 | 12.6 |
| CUMPLIMIENTO NTSyCS | HPRGg | HFORg | FFORg |
| Límite NTSyCS | 300 | 50 | 4 |
| Pr(X>Límite NTSyCS) | 54.1% | 75.5% | 38.5% |



a)

b)



c)

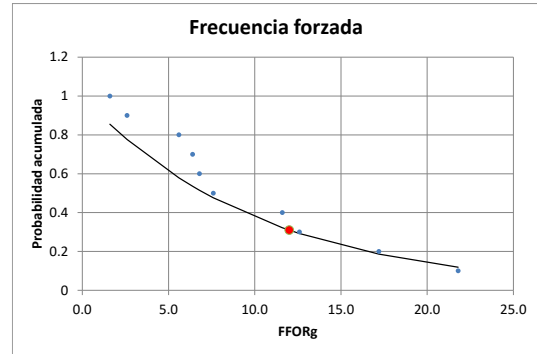
d)

Figura 2: Resultado de índices de indisponibilidad de generación Hidráulica de Pasada; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

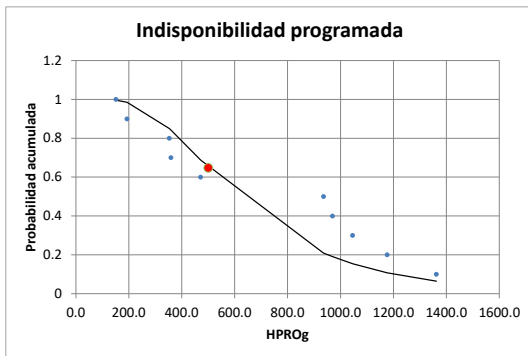
Térmica Ciclo Combinado

| INDISPONIBILIDAD DE GENERACIÓN: CC | | | |
|------------------------------------|---------------------|--------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 9 | | |
| MODELO ESTOCÁSTICO | HPRog | HFORg | FFORg |
| (1/5) media 5 años | 701.7 | 712.9 | 10.2 |
| (1/5) desvío 5 años | 397.6 | 305.1 | --- |
| Coefficiente de variación: cv | 0.5667 | 0.4279 | --- |
| 1+cv*cv | 1.3211 | 1.1831 | --- |
| sigma | 0.5277 | 0.4101 | --- |
| mu | 6.4143 | 6.4853 | --- |
| X25% | 872 | 864 | 14.2 |
| X20% | 952 | 926 | 16.5 |
| X15% | 1055 | 1003 | 19.4 |
| X10% | 1201 | 1109 | 23.6 |
| X5% | 1454 | 1287 | 30.7 |
| CUMPLIMIENTO NTSyCS | HPRog | HFORg | FFORg |
| Límite NTSyCS | 500 | 200 | 12 |
| Pr(X>Límite NTSyCS) | 64.7% | 99.8% | 31.0% |

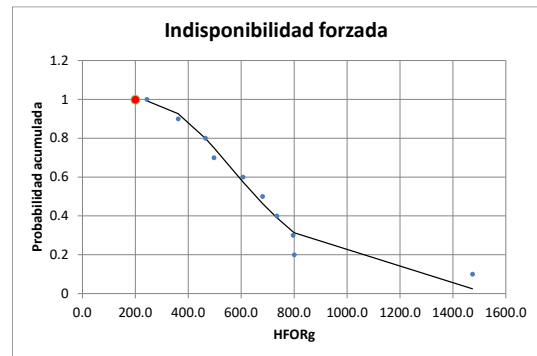
a)



b)



c)



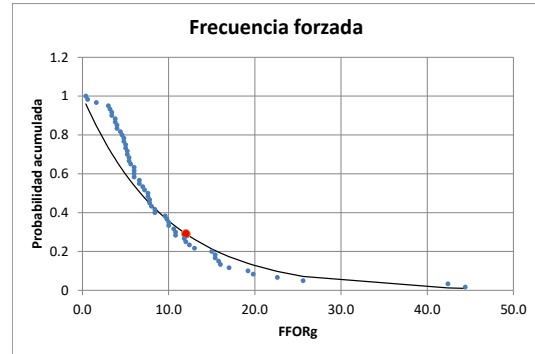
d)

Figura 3: Resultado de índices de indisponibilidad de generación Térmica de Ciclo Combinado; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

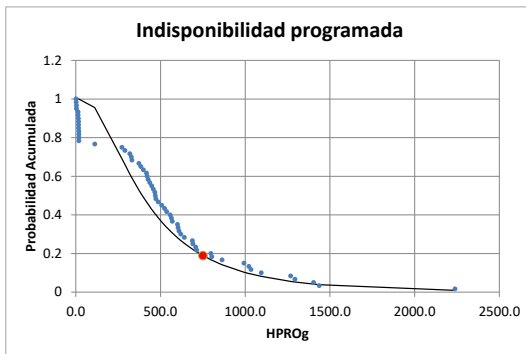
Térmica Vapor

| INDISPONIBILIDAD DE GENERACIÓN: VAPOR | | | |
|---------------------------------------|---------------------|--------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 60 | | |
| MODELO ESTOCÁSTICO | HPRog | HFORg | FFORg |
| (1/5) media 5 años | 514.1 | 999.1 | 9.7 |
| (1/5) desvío 5 años | 435.2 | 1043.2 | --- |
| Coefficiente de variación: cv | 0.8467 | 1.0441 | --- |
| 1+cv*cv | 1.7169 | 2.0902 | --- |
| sigma | 0.7352 | 0.8586 | --- |
| mu | 5.9721 | 6.5383 | --- |
| X25% | 644 | 1233 | 13.5 |
| X20% | 728 | 1424 | 15.6 |
| X15% | 841 | 1683 | 18.4 |
| X10% | 1007 | 2077 | 22.4 |
| X5% | 1315 | 2837 | 29.1 |
| CUMPLIMIENTO NTSyCS | HPRog | HFORg | FFORg |
| Límite NTSyCS | 750 | 200 | 12 |
| Pr(X>Límite NTSyCS) | 18.9% | 92.6% | 29.1% |

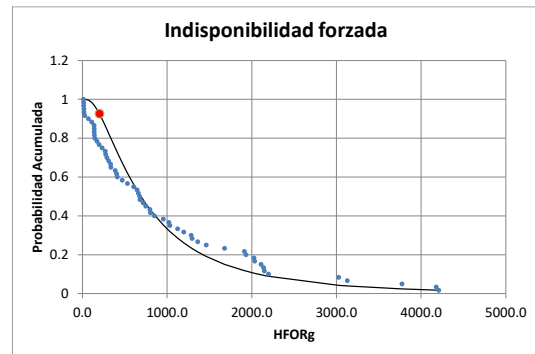
a)



b)



c)



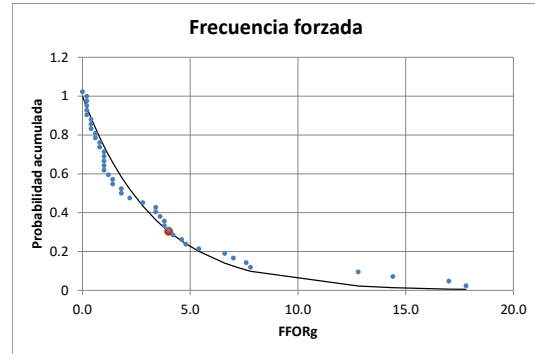
d)

Figura 4: Resultado de índices de indisponibilidad de generación Turbina Vapor; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

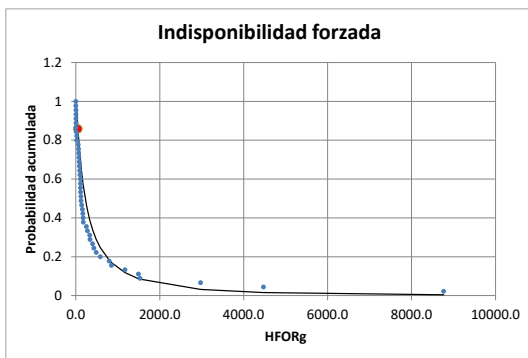
Turbina de Gas

| INDISPONIBILIDAD DE GENERACIÓN: TG | | | |
|------------------------------------|---------------------|--------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | | 5 | |
| Unidades técnicas: N (#) | | 46 | |
| MODELO ESTOCÁSTICO | | | |
| | HPRG | HFORg | FFORg |
| (1/5) media 5 años | 330.6 | 594.7 | 3.4 |
| (1/5) desvío 5 años | 568.3 | 1461.3 | --- |
| Coficiente de variación: cv | 1.7188 | 2.4574 | --- |
| 1+cv*cv | 3.9544 | 7.0386 | --- |
| sigma | 1.1725 | 1.3969 | --- |
| mu | 5.1135 | 5.4123 | --- |
| X25% | 367 | 575 | 4.7 |
| X20% | 446 | 726 | 5.4 |
| X15% | 560 | 953 | 6.4 |
| X10% | 747 | 1343 | 7.7 |
| X5% | 1144 | 2231 | 10.1 |
| CUMPLIMIENTO NTSyCS | | | |
| | HPRG | HFORg | FFORg |
| Límite NTSyCS | 300 | 50 | 4 |
| Pr(X>Límite) | 30.7% | 85.9% | 30.4% |

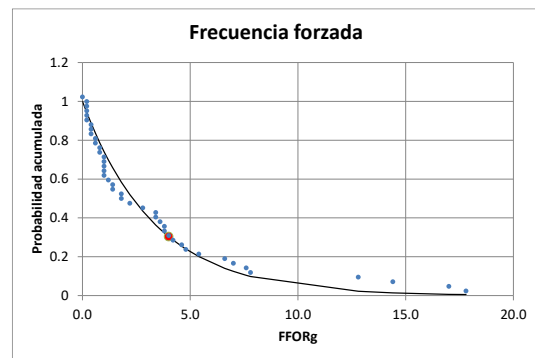
a)



b)



c)



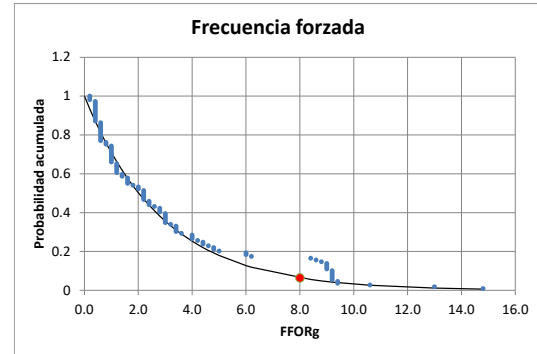
d)

Figura 5: Resultado de índices de indisponibilidad de generación Turbina a Gas; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

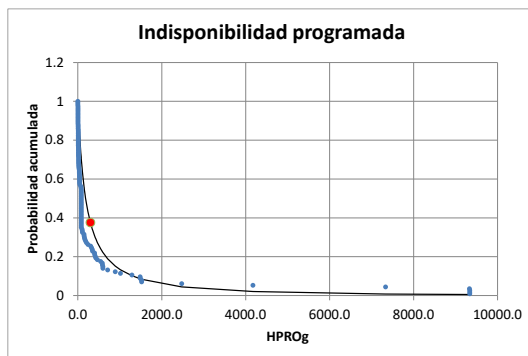
Motores Diésel

| INDISPONIBILIDAD DE GENERACIÓN: DIESEL | | | |
|--|---------|---------------------|-------|
| | | Período ene17-dic21 | |
| Duración periodo: A (años) | | 5 | |
| Unidades técnicas: N (#) | | 121 | |
| MODELO ESTOCÁSTICO | | | |
| (1/5) media 5 años | HPRog | HFORg | FFORg |
| (1/5) desvío 5 años | 594.7 | 792.4 | 2.9 |
| Coefficiente de variación: cv | 1817.3 | 1805.7 | --- |
| 1+cv*cv | 3.0557 | 2.2787 | --- |
| sigma | 10.3373 | 6.1927 | --- |
| mu | 1.5283 | 1.3503 | --- |
| | 5.2202 | 5.7634 | --- |
| X25% | 519 | 792 | 4.0 |
| X20% | 669 | 992 | 4.7 |
| X15% | 902 | 1291 | 5.5 |
| X10% | 1311 | 1797 | 6.7 |
| X5% | 2285 | 2935 | 8.7 |
| CUMPLIMIENTO NTSyCS | | | |
| Límite NTSyCS | HPRog | HFORg | FFORg |
| | 300 | 100 | 8 |
| Pr(X>Límite) | 37.6% | 80.4% | 6.4% |

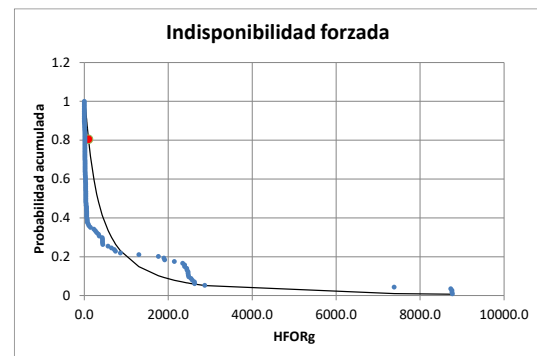
a)



b)



c)



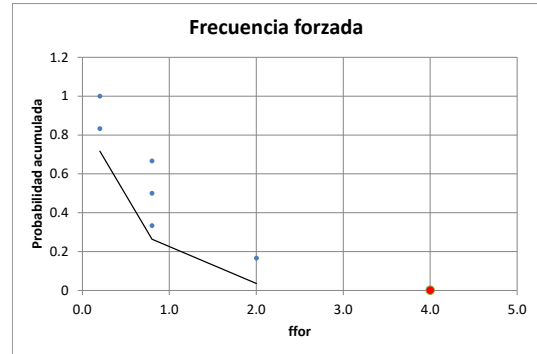
d)

Figura 6: Resultado de índices de indisponibilidad de generación de Motores Diésel; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

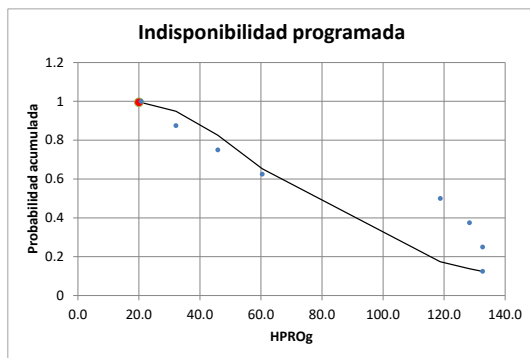
Parques de Motores Diésel

| INDISPONIBILIDAD DE GENERACIÓN: PARQUES MOTORES DIESEL | | | |
|--|---------------------|--------------|--------------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | | 5 | |
| Unidades técnicas: N (#) | | 8 | |
| MODELO ESTOCÁSTICO | HPRog | HFORg | FFORg |
| (1/5) media 5 años | 83.9 | 121.4 | 0.6 |
| (1/5) desvío 5 años | 45.5 | 130.1 | --- |
| Coefficiente de variación: cv | 0.5428 | 1.0723 | --- |
| 1+cv*cv | 1.2946 | 2.1498 | --- |
| sigma | 0.5081 | 0.8748 | --- |
| mu | 4.3008 | 4.4160 | --- |
| X25% | 104 | 149 | 0.8 |
| X20% | 113 | 173 | 1.0 |
| X15% | 125 | 205 | 1.1 |
| X10% | 141 | 254 | 1.4 |
| X5% | 170 | 349 | 1.8 |
| CUMPLIMIENTO NTSyCS | HPRog | HFORg | FFORg |
| Pr(X>Limite NTSyCS) | 20 | 10 | 4 |
| Pr(X>Limite) | 99.5% | 99.2% | 0.1% |

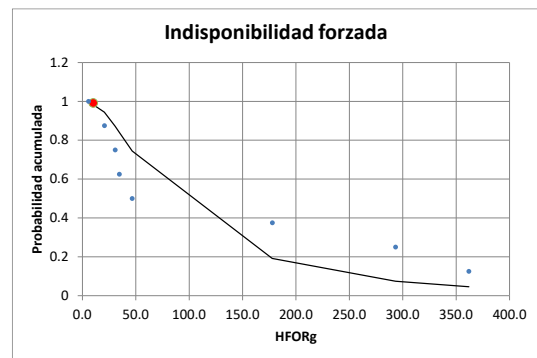
a)



b)



c)



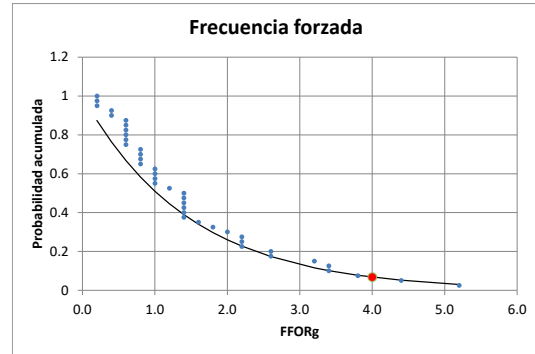
d)

Figura 7: Resultado de índices de indisponibilidad de generación Parque de Motores Diésel; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

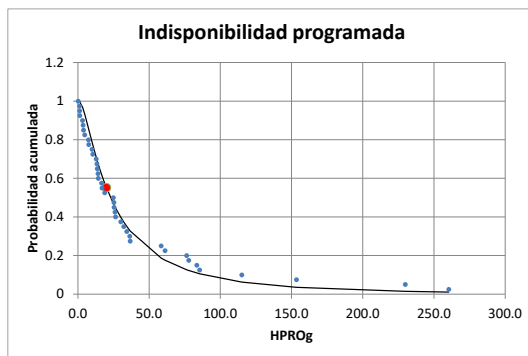
Parques Eólicos y Fotovoltaicos

| INDISPONIBILIDAD DE GENERACIÓN: P. EOLICOS Y FOTOVOLTAICOS | | | |
|--|---------------------|--------|-------|
| | Periodo ene17-dic21 | | |
| Duración periodo: A (años) | 5 | | |
| Unidades técnicas: N (#) | 42 | | |
| MODELO ESTOCÁSTICO | | | |
| | HPRGg | HFORg | FFORg |
| (1/5) media 5 años | 39.9 | 97.6 | 1.5 |
| (1/5) desvío 5 años | 56.8 | 196.7 | --- |
| Coefficiente de variación: cv | 1.4232 | 2.0145 | --- |
| 1+cv*cv | 3.0256 | 5.0582 | --- |
| sigma | 1.0522 | 1.2732 | --- |
| mu | 3.1323 | 3.7707 | --- |
| X25% | 47 | 102 | 2.1 |
| X20% | 56 | 127 | 2.4 |
| X15% | 68 | 162 | 2.8 |
| X10% | 88 | 222 | 3.4 |
| X5% | 129 | 352 | 4.5 |
| CUMPLIMIENTO NTSyCS | | | |
| | HPRGg | HFORg | FFORg |
| Pr(X>Limite NTSyCS) | 20 | 10 | 4 |
| Pr(X>Limite) | 55.2% | 87.6% | 6.8% |

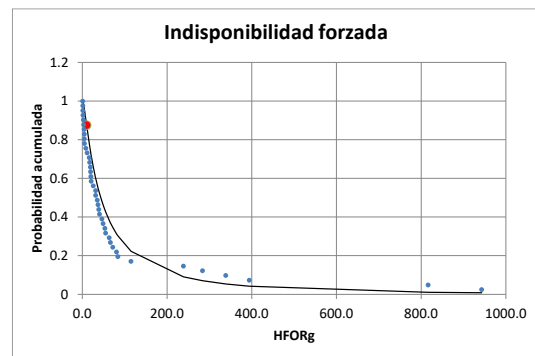
a)



b)



c)



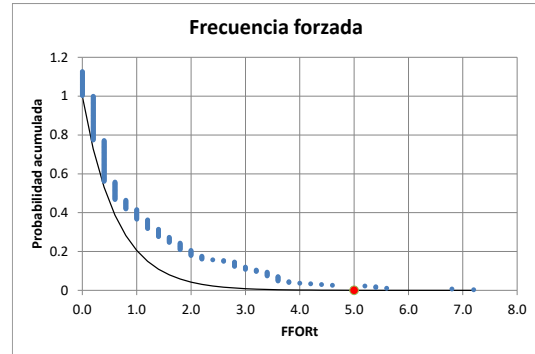
d)

Figura 8: Resultado de índices de indisponibilidad de generación Parques Eólicos y Fotovoltaicos; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

ANEXO 3: ANÁLISIS ESTADÍSTICO DE ÍNDICES DE INDISPONIBILIDAD TRANSMISIÓN

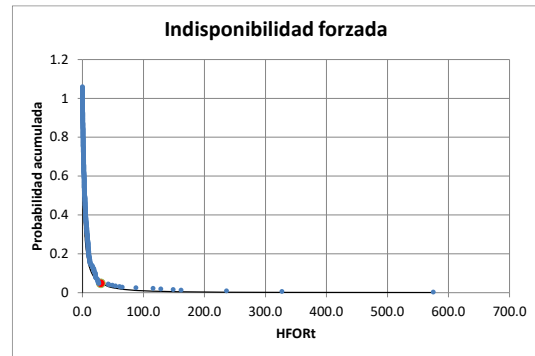
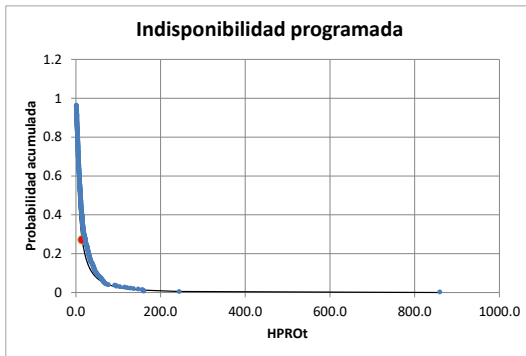
Línea mayor o igual que 44 kV y menor que 100 kV

| INDISPONIBILIDAD DE LÍNEAS: 44 kV ≤ Tensión < 100 kV | | | |
|--|---------------------|---------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 503 | | |
| MODELO ESTOCÁSTICO | HPRot | HFORt | FFORt |
| (1/5) media 5 años | 17.5 | 7.5 | 0.6 |
| (1/5) desvío 5 años | 45.9 | 34.2 | --- |
| Coefficiente de variación: cv | 2.6165 | 4.5444 | --- |
| 1+cv*cv | 7.8461 | 21.6517 | --- |
| sigma | 1.4353 | 1.7536 | --- |
| mu | 1.8349 | 0.4807 | --- |
| X25% | 16 | 5 | 0.9 |
| X20% | 21 | 7 | 1.0 |
| X15% | 28 | 10 | 1.2 |
| X10% | 39 | 15 | 1.5 |
| X5% | 66 | 29 | 1.9 |
| CUMPLIMIENTO NTSyCS | HPRot | HFORt | FFORt |
| Límite NTSyCS | 15 | 30 | 5 |
| Pr(X>Límite NTSyCS) | 27.1% | 4.8% | 0.0% |



a)

b)



c)

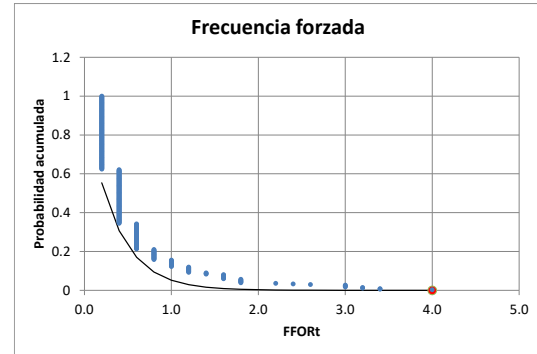
d)

Figura 9: Resultado de índices de indisponibilidad de transmisión Líneas mayor o igual que 44kV y menor a 100 kV; a) Tabla de índices de indisponibilidad, b) Indisponibilidad programada, c) Frecuencia forzada, d) Indisponibilidad forzada.

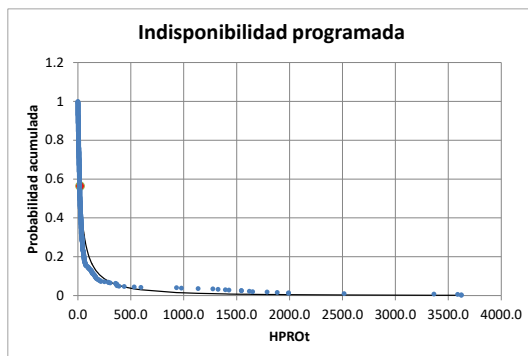
Línea mayor o igual que 100 kV y menor que 220 kV

| INDISPONIBILIDAD DE LÍNEAS: 100 kV ≤ Tensión < 220 kV | | | |
|---|---------------------|---------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 571 | | |
| MODELO ESTOCÁSTICO | HPR0t | HFORt | FFORt |
| (1/5) media 5 años | 103.3 | 11.0 | 0.3 |
| (1/5) desvío 5 años | 395.5 | 62.6 | --- |
| Coefficiente de variación: cv | 3.8268 | 5.6928 | --- |
| 1+cv*cv | 15.6441 | 33.4085 | --- |
| sigma | 1.6583 | 1.8732 | --- |
| mu | 3.2630 | 0.6432 | --- |
| X25% | 80 | 7 | 0.5 |
| X20% | 106 | 9 | 0.5 |
| X15% | 146 | 13 | 0.6 |
| X10% | 219 | 21 | 0.8 |
| X5% | 400 | 41 | 1.0 |
| CUMPLIMIENTO NTSyCS | HPR0t | HFORt | FFORt |
| Límite NTSyCS | 20 | 15 | 4 |
| Pr(X>Límite NTSyCS) | 56.4% | 13.5% | 0.0% |

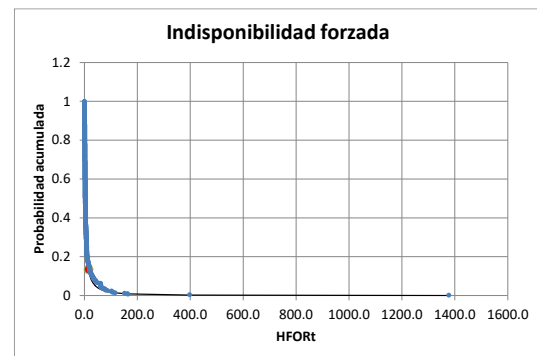
a)



b)



c)



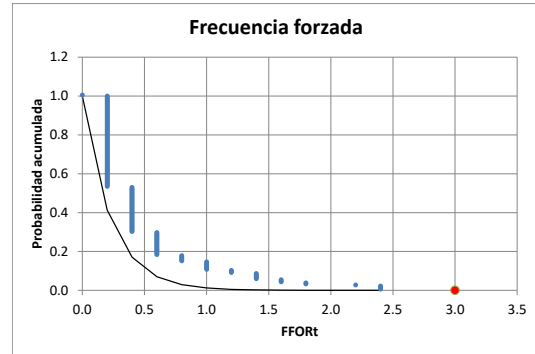
d)

Figura 10: Resultado de índices de indisponibilidad de transmisión Líneas mayor o igual que 100 kV y menor a 220 kV; a) Tabla de índices de indisponibilidad, b) Indisponibilidad programada, c) Frecuencia forzada, d) Indisponibilidad forzada.

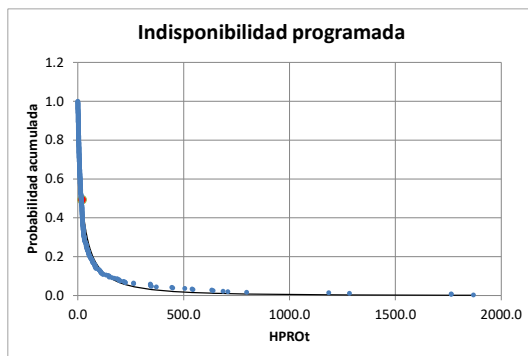
Línea mayor o igual que 220 kV y menor que 500 kV

| INDISPONIBILIDAD DE LÍNEAS: 220 kV ≤ Tensión < 500 kV | | | |
|---|---------------------|---------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 411 | | |
| MODELO ESTOCÁSTICO | HPRot | HFORt | FFORt |
| (1/5) media 5 años | 64.0 | 14.0 | 0.2 |
| (1/5) desvío 5 años | 200.2 | 86.1 | --- |
| Coefficiente de variación: cv | 3.1302 | 6.1273 | --- |
| 1+cv ² | 10.7984 | 38.5432 | --- |
| sigma | 1.5425 | 1.9110 | --- |
| mu | 2.9687 | 0.8164 | --- |
| X25% | 55 | 8 | 0.3 |
| X20% | 71 | 11 | 0.4 |
| X15% | 96 | 16 | 0.4 |
| X10% | 141 | 26 | 0.5 |
| X5% | 246 | 52 | 0.7 |
| CUMPLIMIENTO NTSyCS | HPRot | HFORt | FFORt |
| Límite NTSyCS | 20 | 10 | 3 |
| Pr(X>Límite NTSyCS) | 49.3% | 21.8% | 0.0% |

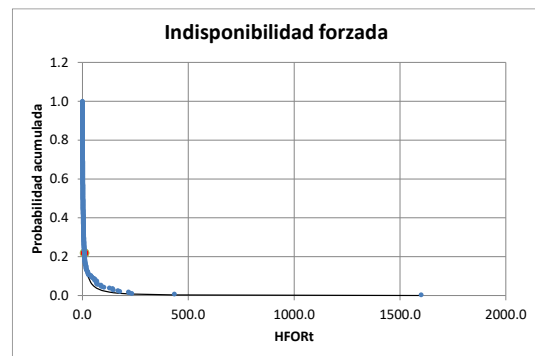
a)



b)



c)

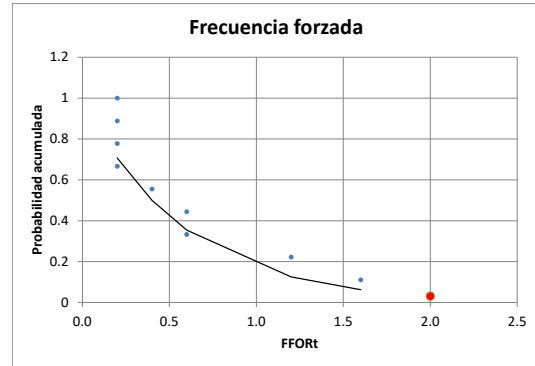


d)

Figura 11: Resultado de índices de indisponibilidad de transmisión Líneas mayor o igual que 220 kV y menor a 500 kV; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

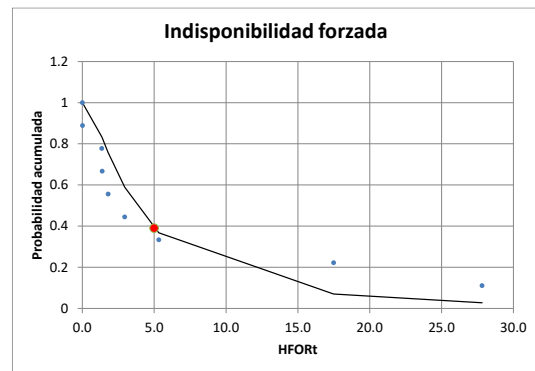
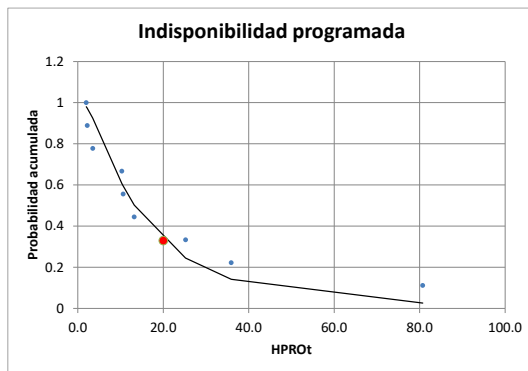
Línea mayor o igual que 500 kV

| INDISPONIBILIDAD DE LÍNEAS: Tensión \geq 500 kV | | | |
|---|---------------------|--------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 9 | | |
| MODELO ESTOCÁSTICO | HPR0t | HF0Rt | FF0Rt |
| (1/5) media 5 años | 20.4 | 6.5 | 0.6 |
| (1/5) desvío 5 años | 23.8 | 9.1 | --- |
| Coficiente de variación: cv | 1.1684 | 1.4121 | --- |
| 1+cv*cv | 2.3651 | 2.9941 | --- |
| sigma | 0.9278 | 1.0472 | --- |
| mu | 2.5848 | 1.3170 | --- |
| X25% | 25 | 8 | 0.8 |
| X20% | 29 | 9 | 0.9 |
| X15% | 35 | 11 | 1.1 |
| X10% | 44 | 14 | 1.3 |
| X5% | 61 | 21 | 1.7 |
| CUMPLIMIENTO NTSyCS | HPR0t | HF0Rt | FF0Rt |
| Límite NTSyCS | 20 | 5 | 2 |
| Pr(X>Límite NTSyCS) | 32.9% | 39.0% | 3.1% |



a)

b)



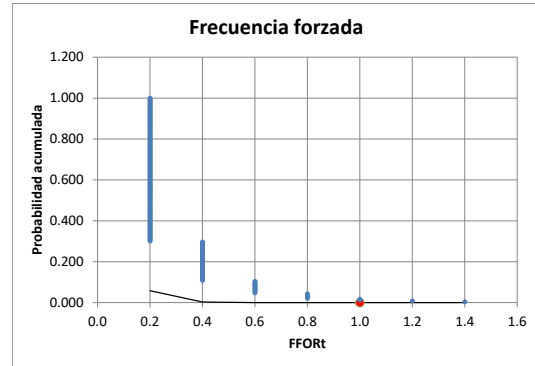
c)

d)

Figura 12: Resultado de índices de indisponibilidad de transmisión Líneas mayor o igual que 500 kV a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

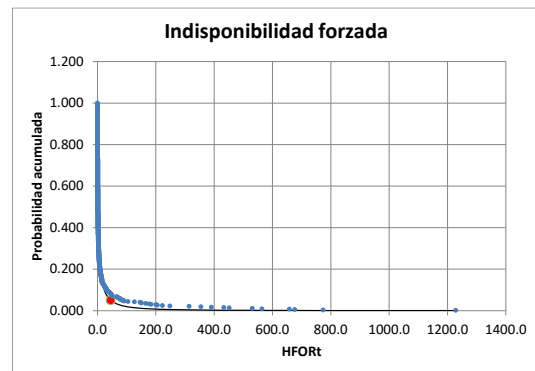
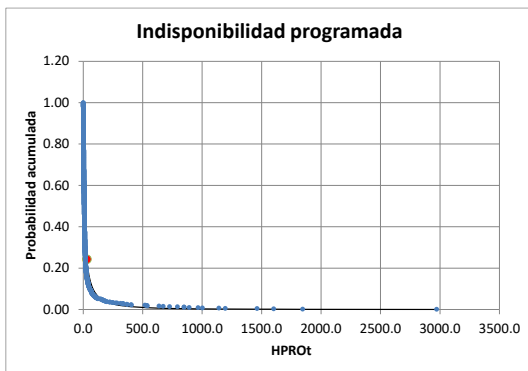
Transformadores

| INDISPONIBILIDAD DE TRANSFORMADORES | | | |
|-------------------------------------|---------------------|---------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 959 | | |
| MODELO ESTOCÁSTICO | HPROt | HFORt | FFORt |
| (1/5) media 5 años | 39.7 | 12.1 | 0.1 |
| (1/5) desvío 5 años | 170.0 | 70.2 | --- |
| Coefficiente de variación: cv | 4.2806 | 5.8051 | --- |
| 1+cv*cv | 19.3233 | 34.6994 | --- |
| sigma | 1.7208 | 1.8833 | --- |
| mu | 2.2013 | 0.7195 | --- |
| X25% | 29 | 7 | 0.1 |
| X20% | 38 | 10 | 0.1 |
| X15% | 54 | 14 | 0.1 |
| X10% | 82 | 23 | 0.2 |
| X5% | 153 | 45 | 0.2 |
| CUMPLIMIENTO NTSyCS | HPROt | HFORt | FFORt |
| Límite NTSyCS | 30 | 45 | 1 |
| Pr(X>Límite NTSyCS) | 24.3% | 5.1% | 0.0% |



a)

b)



c)

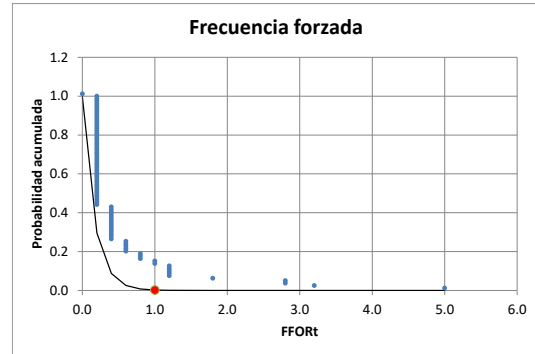
d)

Figura 13: Resultado de índices de indisponibilidad de transmisión Transformadores; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.

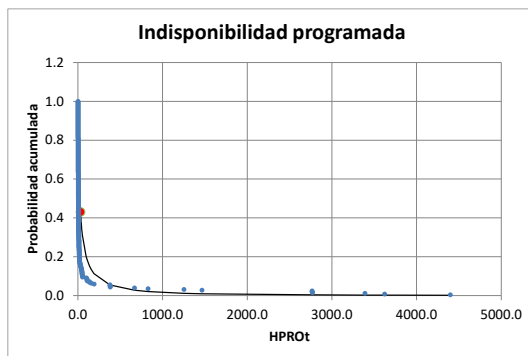
Equipos de Serie y Compensación

| INDISPONIBILIDAD DE EQUIPOS DE COMPENSACIÓN | | | |
|---|---------------------|---------|-------|
| | Período ene17-dic21 | | |
| Duración período: A (años) | 5 | | |
| Unidades técnicas: N (#) | 266 | | |
| MODELO ESTOCÁSTICO | HPRot | HFORt | FFORt |
| (1/5) media 5 años | 107.1 | 64.2 | 0.2 |
| (1/5) desvío 5 años | 511.0 | 297.3 | --- |
| Coficiente de variación: cv | 4.7707 | 4.6337 | --- |
| 1+cv^cv | 23.7592 | 22.4708 | --- |
| sigma | 1.7799 | 1.7641 | --- |
| mu | 3.0900 | 2.6054 | --- |
| X25% | 73 | 44 | 0.2 |
| X20% | 98 | 60 | 0.3 |
| X15% | 139 | 84 | 0.3 |
| X10% | 215 | 130 | 0.4 |
| X5% | 411 | 246 | 0.5 |
| CUMPLIMIENTO NTSyCS | HPRot | HFORt | FFORt |
| Límite NTSyCS | 30 | 45 | 1 |
| Pr(X>Límite NTSyCS) | 43.1% | 24.8% | 0.2% |

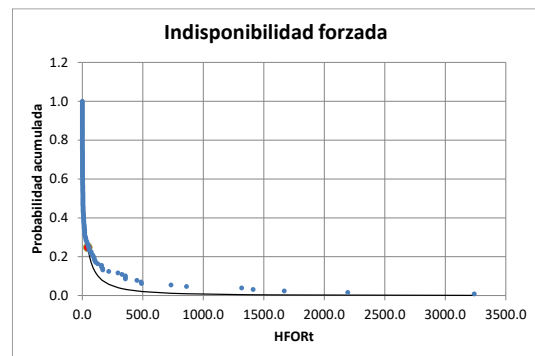
a)



b)



c)



d)

Figura 14: Resultado de índices de indisponibilidad de transmisión Equipos de Compensación; a) Tabla de índices de indisponibilidad, b) Frecuencia Indisponibilidad forzada, c) Indisponibilidad programada, d) Indisponibilidad forzada.