



ESTADÍSTICA DEL MERCADO ELÉCTRICO PANAMEÑO

ABRIL 2023

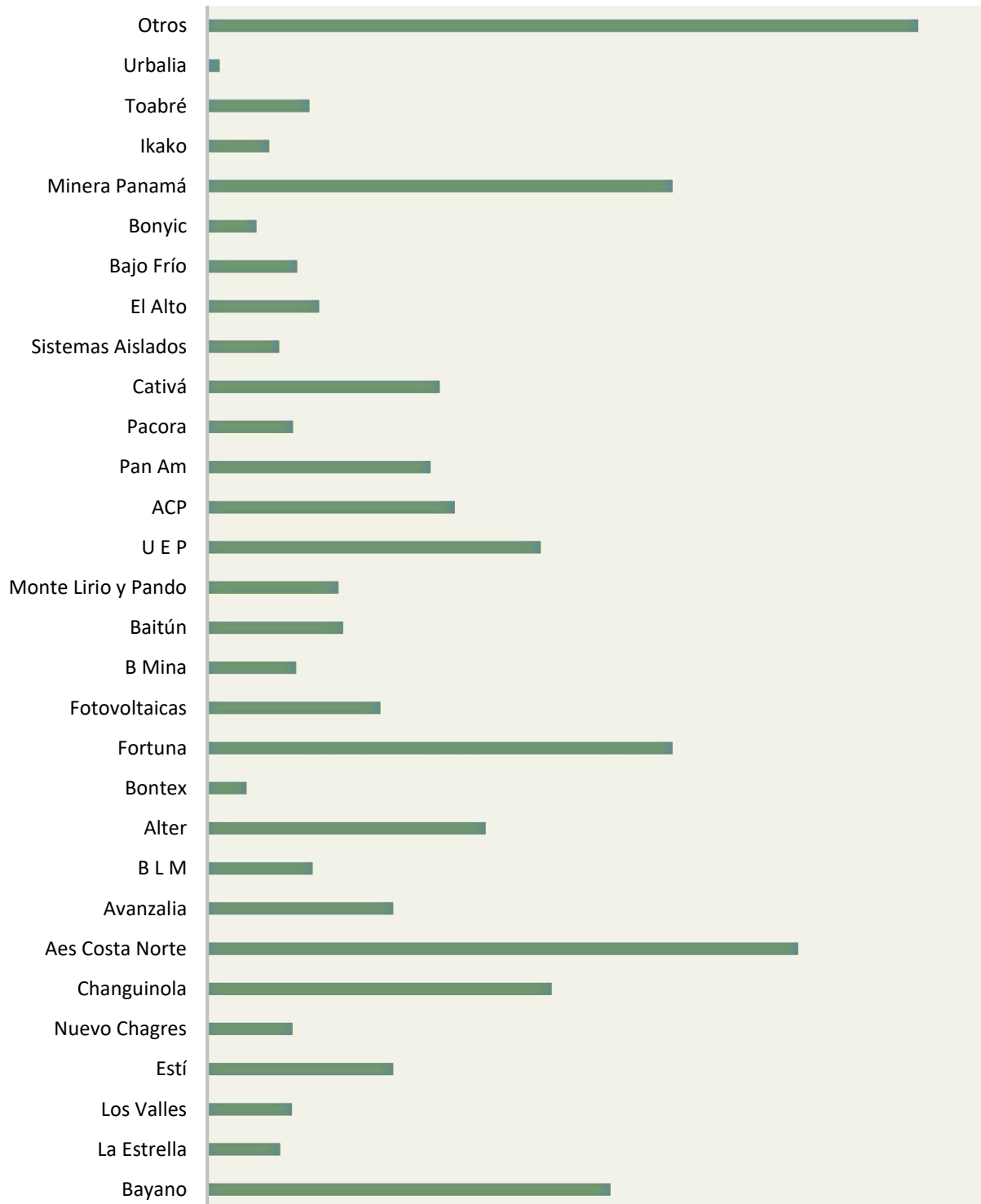
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I. CAPACIDAD INSTALADA POR AGENTE Y POR PLANTA

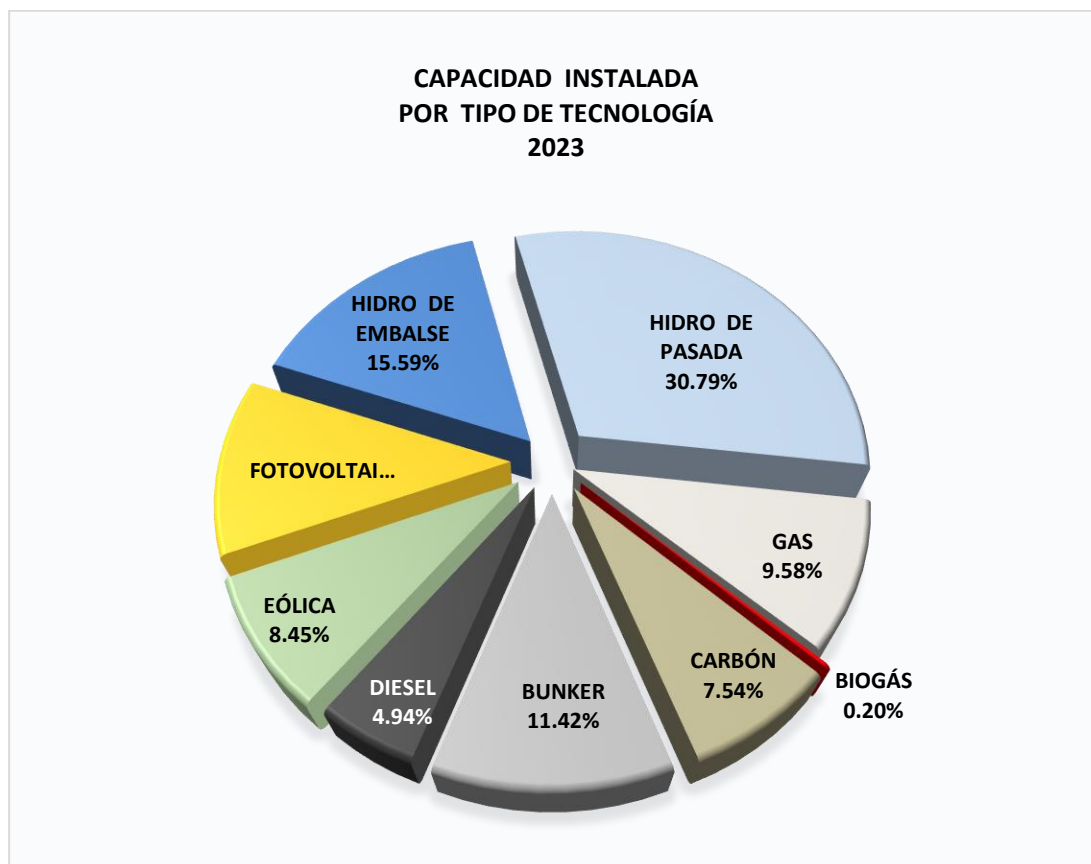
| EMPRESA | PLANTA | Capacidad Instalada MW | Capacidad Firme MW | % |
|---------------|---------------------|------------------------------|--------------------------|---------------|
| AES Pmá | Bayano | 260.00 | 160.12 | 6.54 |
| AES Pmá | La Estrella | 47.20 | 16.13 | 1.19 |
| AES Pmá | Los Valles | 54.76 | 17.63 | 1.38 |
| AES Pmá | Estí | 120.00 | 112.67 | 3.02 |
| AES Pmá | Nuevo Chagres | 55.00 | 0.00 | 1.38 |
| AES Chan | Changuinola | 222.17 | 175.33 | 5.58 |
| AES Colón | Aes Costa Norte | 381.00 | 361.07 | 9.58 |
| AVANZALIA | Avanzalia | 120.00 | 0.00 | 3.02 |
| CELSIA | B L M | 68.00 | 75.30 | 1.71 |
| CELSIA | Alter | 179.49 | 80.71 | 4.51 |
| CELSIA | Bontex | 25.34 | 23.04 | 0.64 |
| ENEL | Fortuna | 300.00 | 289.49 | 7.54 |
| ENEL | Fotovoltaicas | 111.66 | 0.00 | 2.81 |
| IDEAL | B Mina | 57.40 | 20.07 | 1.44 |
| IDEAL | Baitún | 87.60 | 31.09 | 2.20 |
| EISA | Monte Lirio y Pando | 84.65 | 57.51 | 2.13 |
| U E P | U E P | 215.00 | 0.00 | 5.40 |
| ACP | ACP | 159.62 | 45.48 | 4.01 |
| PAN AM | Pan Am | 144.00 | 96.00 | 3.62 |
| PEDR POWER | Pacora | 55.35 | 53.00 | 1.39 |
| GENA | Cativá | 150.00 | 78.32 | 3.77 |
| ISLAND POWER | Sistemas Aislados | 46.43 | 46.43 | 1.17 |
| H CAISÁN | El Alto | 72.20 | 22.14 | 1.81 |
| FOUNTAIN | Bajo Frío | 58.00 | 19.35 | 1.46 |
| H ECO TERIBE | Bonyic | 31.80 | 20.00 | 0.80 |
| MINERA PANAMÁ | Minera Panamá | 300.00 | 0.00 | 7.54 |
| TECNISOL | Ikako | 40.00 | 0.00 | 1.01 |
| TOABRÉ | Toabré | 66.00 | 0.00 | 1.66 |
| URBALIA | Urbalia | 8.10 | 8.00 | 0.20 |
| OTROS | Otros | 457.40 | 174.76 | 11.50 |
| | TOTAL | 3,978.17 | 1,983.64 | 100.00 |

CAPACIDAD INSTALADA POR PLANTA 2023

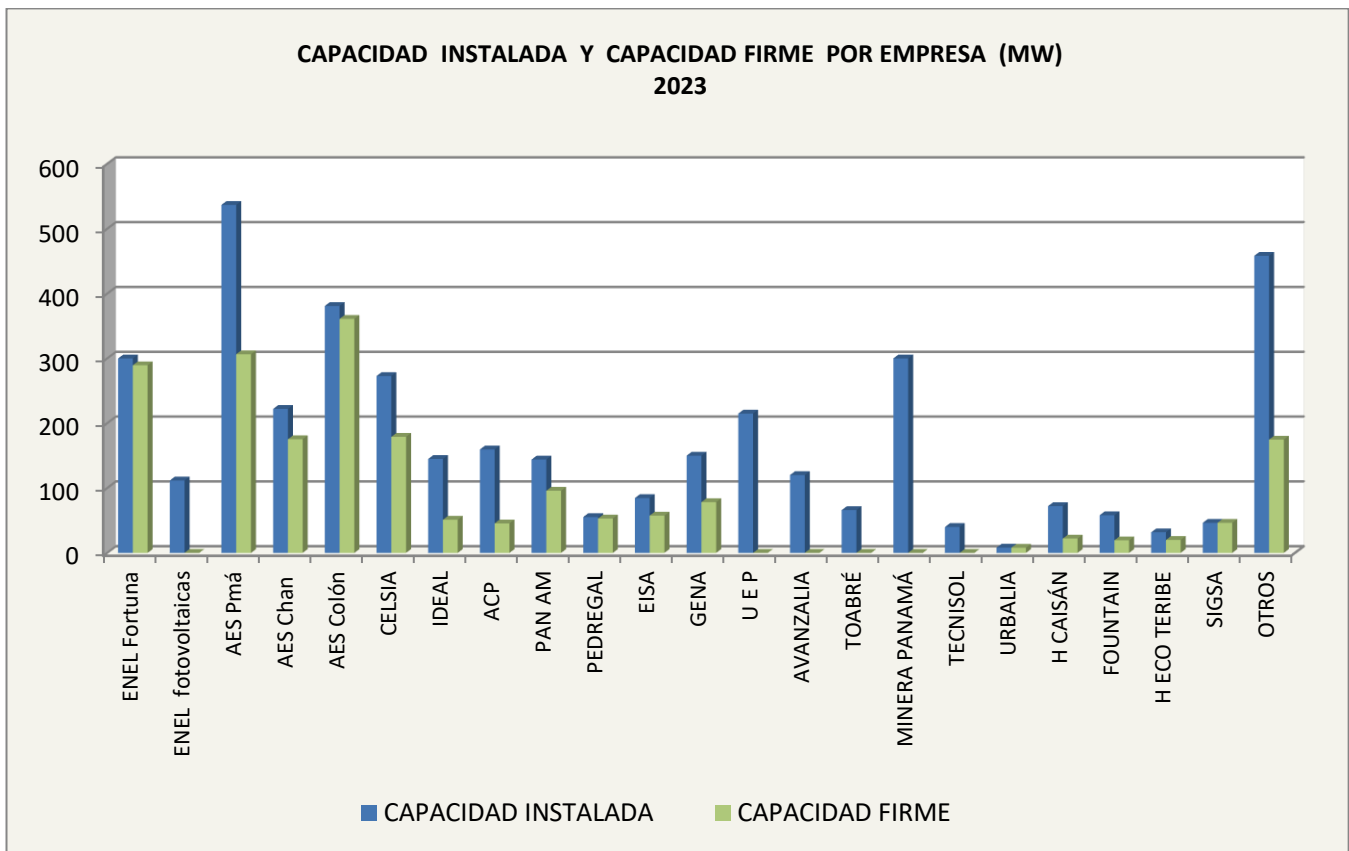
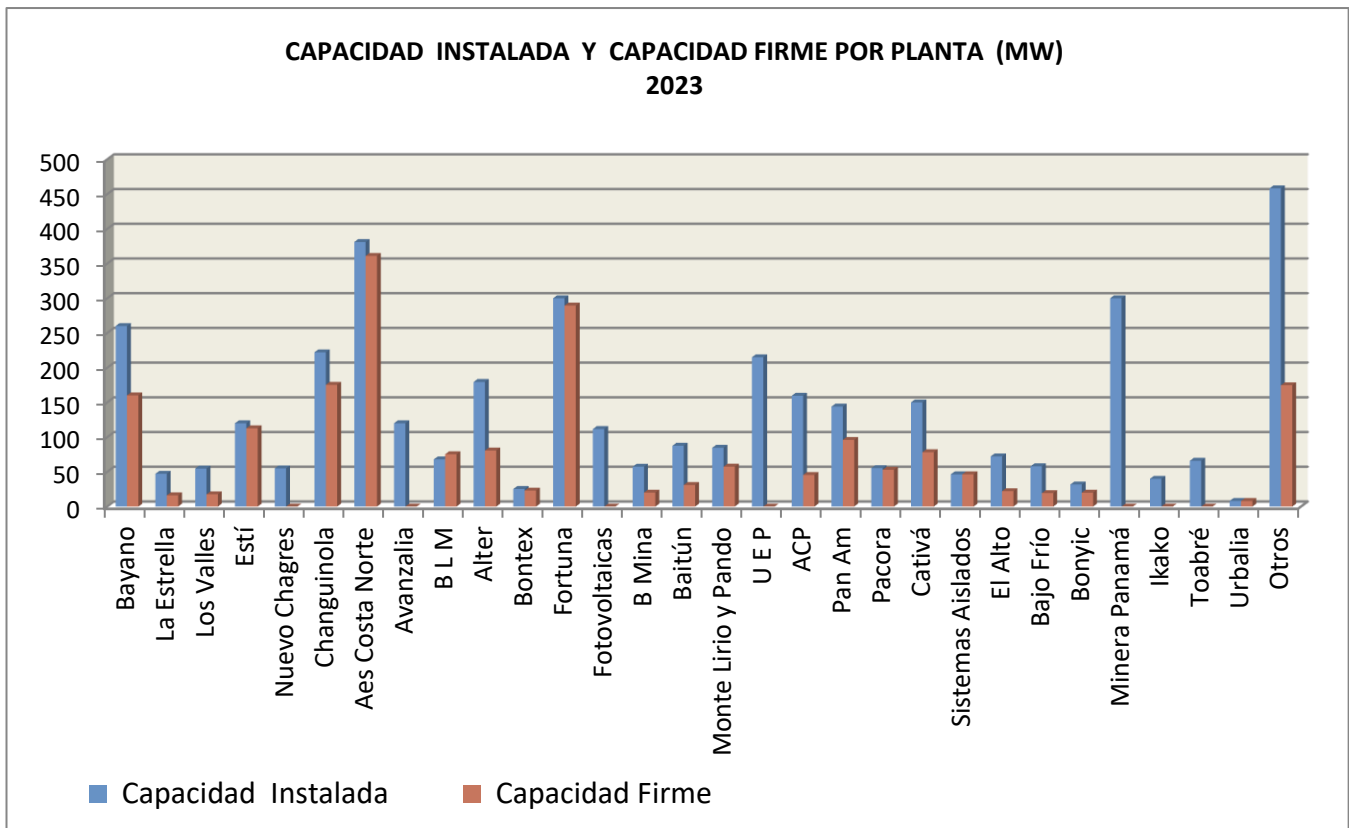


II. CAPACIDAD INSTALADA POR TIPO DE TECNOLOGÍA

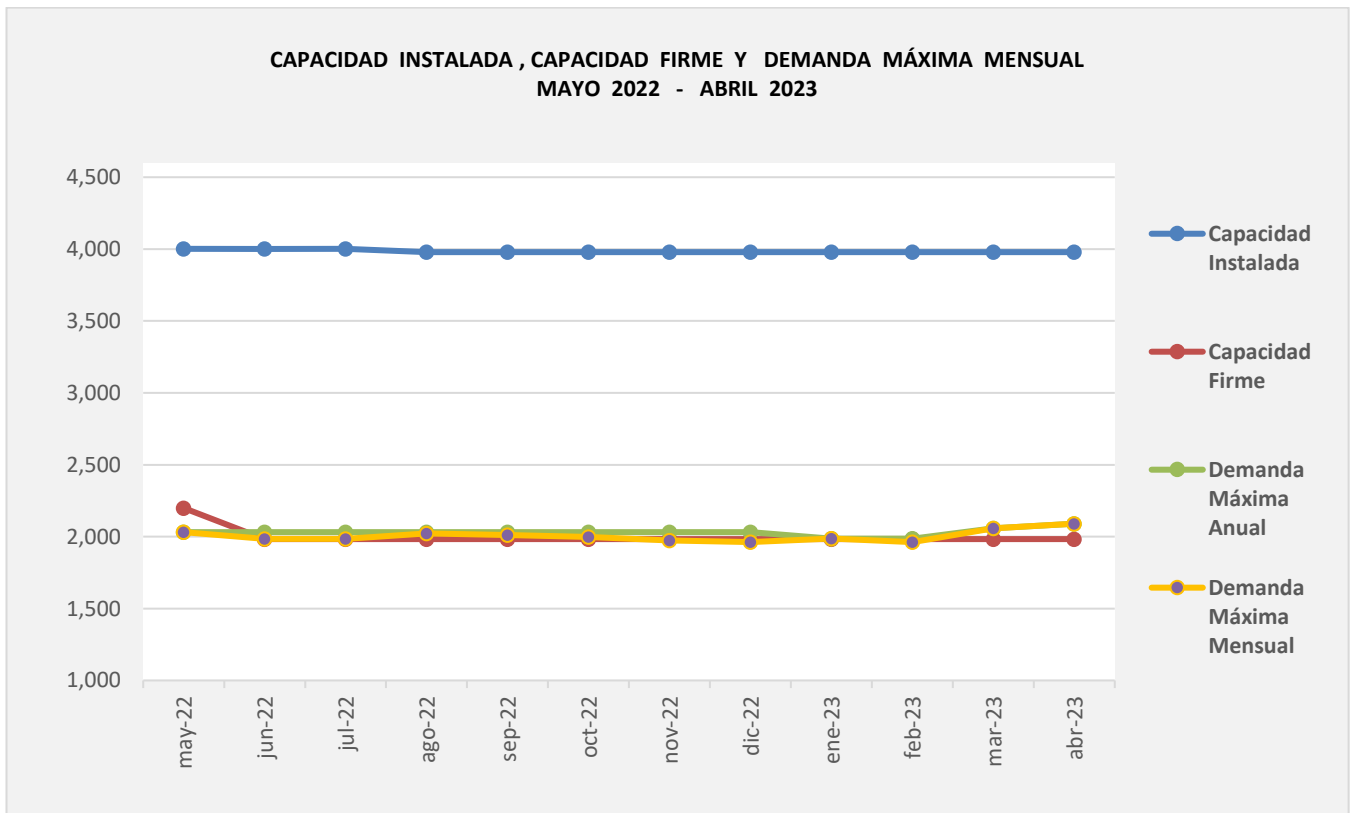
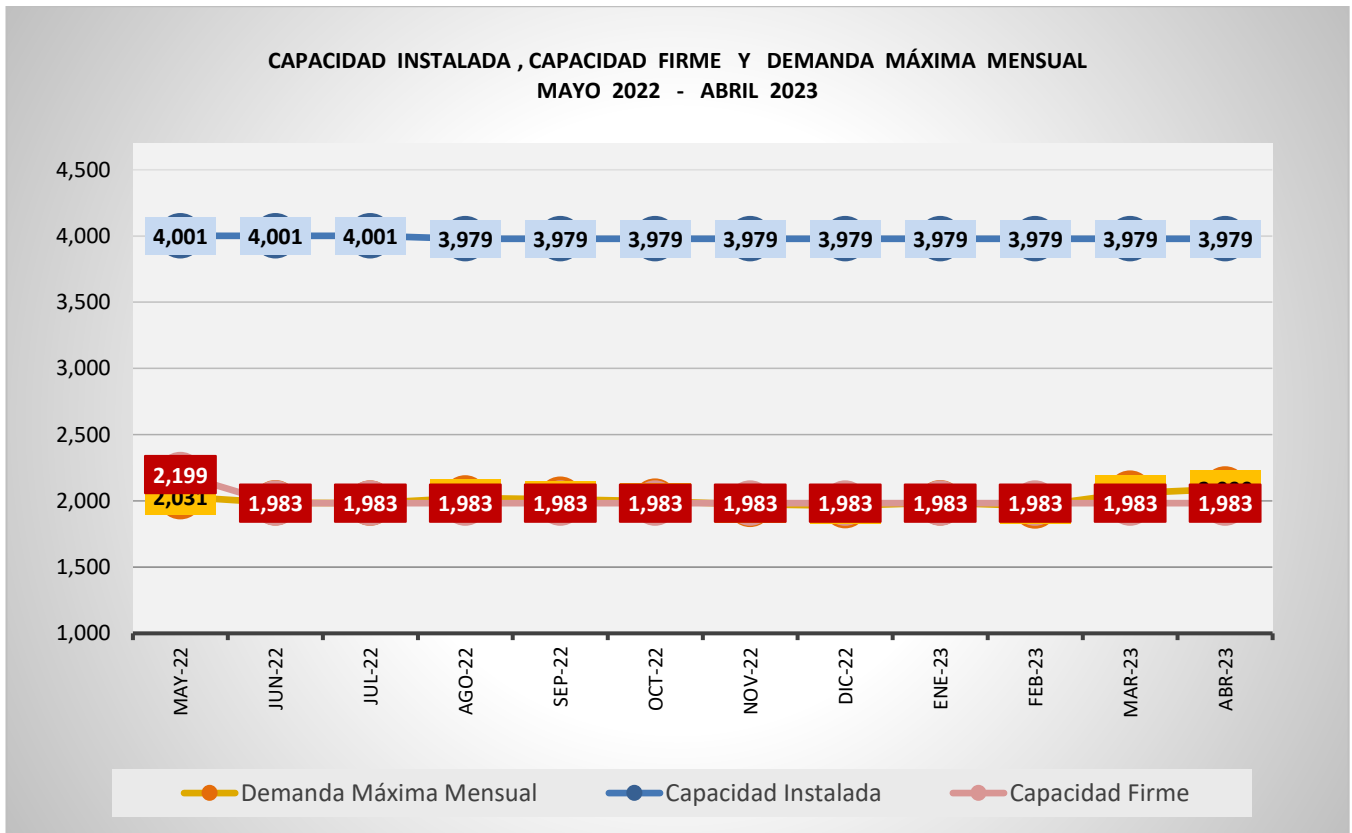
| TECNOLOGÍA | MW | % |
|------------------|-----------------|-------------|
| HIDRO DE EMBALSE | 620.00 | 15.59% |
| HIDRO DE PASADA | 1,224.70 | 30.79% |
| GAS | 381.00 | 9.58% |
| BIOGÁS | 8.10 | 0.20% |
| CARBÓN | 300.00 | 7.54% |
| BUNKER | 454.12 | 11.42% |
| DIESEL | 196.43 | 4.94% |
| EÓLICA | 336.00 | 8.45% |
| FOTOVOLTAICA | 457.82 | 11.51% |
| TOTAL | 3,978.17 | 100% |



III. CAPACIDAD INSTALADA Y FIRME POR EMPRESA Y PLANTA



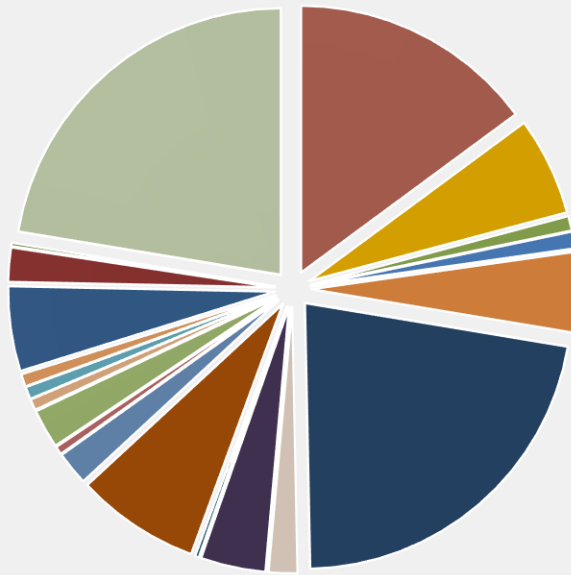
IV. CAPACIDAD INSTALADA Y FIRME VS DEMANDA MÁXIMA MENSUAL



V. GENERACIÓN POR EMPRESA Y PLANTA

| Empresa | Planta | MWh | % |
|--------------|---------------|---------------------|----------------|
| ENEL | Fortuna | 153,351.52 | 14.89% |
| AES Pmá | Bayano | 61,460.73 | 5.97% |
| AES Pmá | Estrella | 9,129.15 | 0.89% |
| AES Pmá | Valles | 10,450.34 | 1.01% |
| AES Pmá | Estí | 0.00 | 0.00% |
| AES Chan | Chan | 50,091.83 | 4.86% |
| AES Colón | Gana | 227,214.16 | 22.06% |
| CELSIA | Alternegy | 17,831.11 | 1.73% |
| CELSIA | Bontex | 2.46 | 0.00% |
| CELSIA | Cativá | 40,540.95 | 3.94% |
| CELSIA | BLM | 2,373.97 | 0.23% |
| PAN AM | Pan Am | 77,484.46 | 7.52% |
| IDEAL | B Mina Baitún | 20,961.78 | 2.04% |
| Hidro Piedra | RP 490 | 5,021.35 | 0.49% |
| EISA | Monte Lirio | 24,356.56 | 2.36% |
| Hidro Caisán | El Alto | 6,907.18 | 0.67% |
| Fountain | Bajo Frío | 7,702.21 | 0.75% |
| Eco Teribe | Bonyic | 7,837.41 | 0.76% |
| ACP | Miraflores | 53,047.32 | 5.15% |
| Avanzalia | Avanzalia | 21,338.58 | 2.07% |
| Minera Pmá | Minera | 2,054.55 | 0.20% |
| OTROS | Otros | 230,738.53 | 22.40% |
| | TOTAL | 1,029,896.13 | 100.00% |

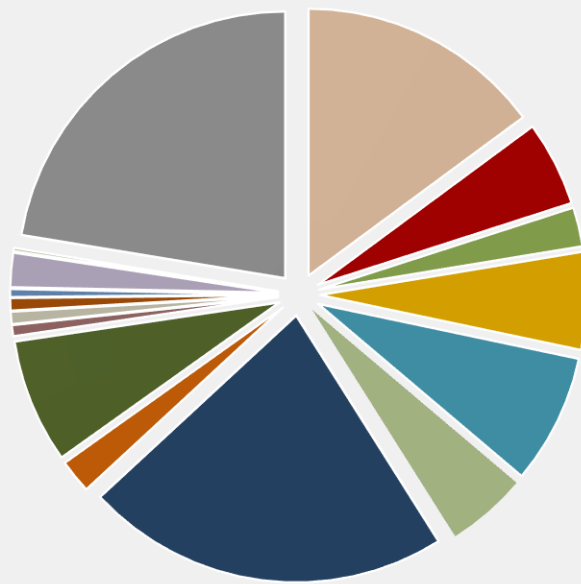
GENERACIÓN POR PLANTA ABRIL 2023



- | | | |
|-----------------|-------------|---------------|
| ■ Fortuna | ■ Bayano | ■ Estrella |
| ■ Valles | ■ Estí | ■ Chan |
| ■ Gana | ■ Alternegy | ■ Bontex |
| ■ Cativá | ■ BLM | ■ Pan Am |
| ■ B Mina Baitún | ■ RP 490 | ■ Monte Lirio |
| ■ El Alto | ■ Bajo Frío | ■ Bonyic |
| ■ Miraflores | ■ Avanzalia | ■ Minera |
| ■ Otros | | |

| Empresa | MWh | % |
|----------------|---------------------|----------------|
| Fortuna | 153,351.52 | 14.89% |
| ACP Mir | 53,047.32 | 5.15% |
| Eisa | 24,356.56 | 2.36% |
| CELSIA | 60,748.49 | 5.90% |
| AES Pmá | 81,040.21 | 7.87% |
| AES Chan | 50,091.83 | 4.86% |
| AES Colón | 227,214.16 | 22.06% |
| Ideal | 20,961.78 | 2.04% |
| Pan Am | 77,484.46 | 7.52% |
| H Caisán | 6,907.18 | 0.67% |
| Fountain | 7,702.21 | 0.75% |
| H Eco Teribe | 7,837.41 | 0.76% |
| H Piedra | 5,021.35 | 0.49% |
| Avanzalia | 21,338.58 | 2.07% |
| Minera Pmá | 2,054.55 | 0.20% |
| OTROS | 230,738.53 | 22.40% |
| TOTAL | 1,029,896.13 | 100.00% |

GENERACIÓN POR EMPRESA ABRIL 2023



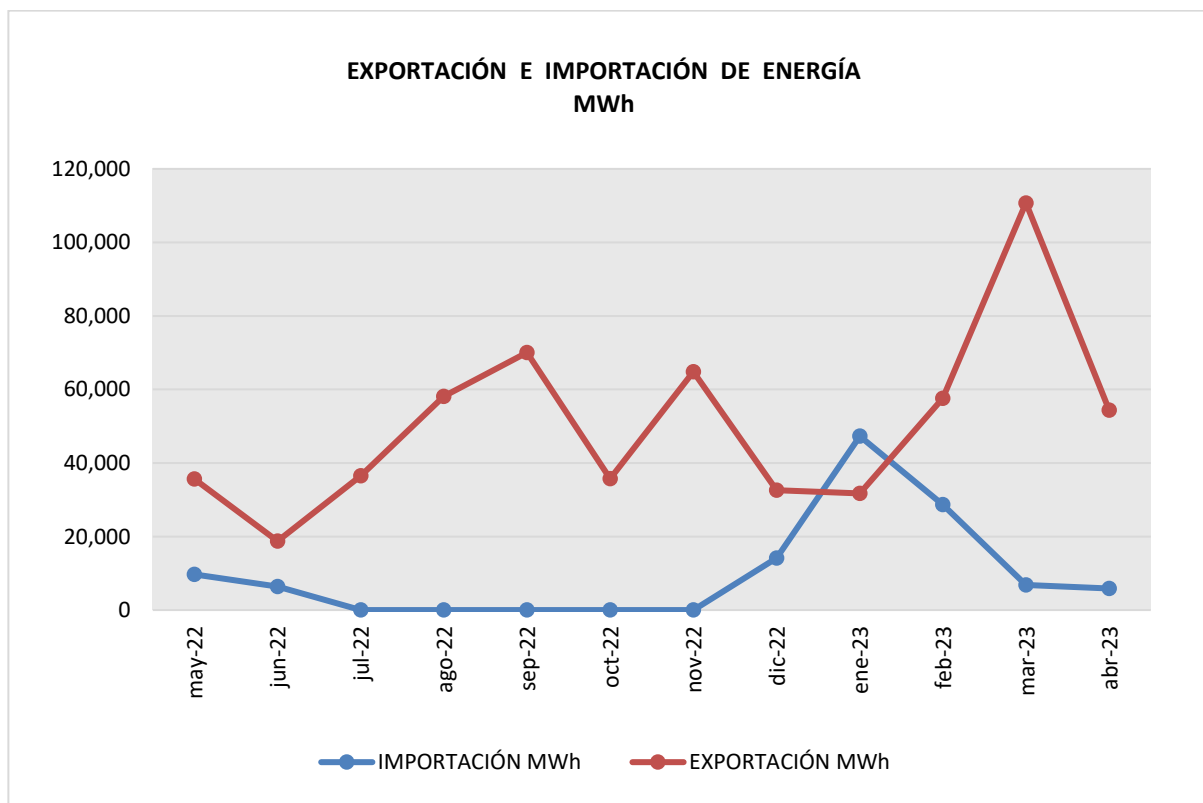
- | | | |
|--|--|---|
| ■ Fortuna | ■ ACP Mir | ■ Eisa |
| ■ CELZIA | ■ AES Pmá | ■ AES Chan |
| ■ AES Colón | ■ Ideal | ■ Pan Am |
| ■ H Caisán | ■ Fountain | ■ H Eco Teribe |
| ■ H Piedra | ■ Avanzalia | ■ Minera Pmá |
| ■ OTROS | | |

| OTROS | | | |
|-------------------|------------------|---------------|------------|
| Tecnología | Empresa | Planta | MWh |
| Hidroeléctrica | Hidro Boquerón | Macano | 1,294.71 |
| Hidroeléctrica | Paso Ancho | P Ancho | 1,180.57 |
| Hidroeléctrica | Esepsa | Yeguada | 2,563.40 |
| Hidroeléctrica | Esepsa | Dolega | 597.10 |
| Hidroeléctrica | Esepsa | M Monte | 399.90 |
| Hidroeléctrica | Esepsa | Algarrobos | 1,039.31 |
| Hidroeléctrica | Hidro Panamá | Antón | 333.57 |
| Hidroeléctrica | Hid Candela | Hid Candela | 24.49 |
| Hidroeléctrica | Istmus | Concepción | 2,257.65 |
| Hidroeléctrica | Café Eleta | Caldeco | 1,899.23 |
| Hidroeléctrica | S Francolí | Planetas | 990.74 |
| Hidroeléctrica | Hidro Ibérica | El Fraile | 1,174.89 |
| Hidroeléctrica | Pedregalito | Pedregalito | 1,505.62 |
| Hidroeléctrica | Río Chico | Río Chico | 893.81 |
| Hidroeléctrica | Alto valle | A Valle | 2,236.85 |
| Hidroeléctrica | Electrogen Istmo | Mendre 2 | 835.67 |
| Hidroeléctrica | Perlas Norte | P Norte | 2,342.23 |
| Hidroeléctrica | Perlas Sur | P Sur | 2,368.90 |
| Hidroeléctrica | Emnadesa | Bugaba | 765.82 |
| Hidroeléctrica | San Lorenzo | S Lorenzo | 856.13 |
| Hidroeléctrica | Corp Istmo | Corp Istmo | 1,174.37 |
| Hidroeléctrica | Genisa | Barro Blanco | 2,017.81 |
| Hidroeléctrica | Bajos de Totuma | Bajos Totuma | 987.34 |
| Hidroeléctrica | Feisa | Feisa | 1,229.28 |
| Hidroeléctrica | Desarrollos Hid. | San Andrés | 853.46 |
| Térmica | Canopo | Canopo | 0.00 |
| Térmica | Urbalia | Urbalia | 0.00 |
| Térmica | Sparkle | Sparkle | 22,607.75 |
| Térmica | Cadasa | Cadasa | 1,769.71 |
| Térmica | Gena | Gena | 4,941.45 |
| Térmica | Tropitérmica | Tropitérmica | 119.81 |
| Eólica | UEP I | UEP I | 14,891.45 |
| Eólica | UEP II | UEP II | 73,331.59 |
| Eólica | Toabré | Toabré | 27,772.32 |

| | | | |
|--------------|--------------------|------------------|-------------------|
| Fotovoltaica | EGESA | Sarigua | 0.25 |
| Fotovoltaica | G Solar | Albrook | 0.00 |
| Fotovoltaica | Enel | San Juan | 1,622.22 |
| Fotovoltaica | Azucarera | Coclé Solar | 39.93 |
| Fotovoltaica | LL S Solar | Don Félix | 1,439.55 |
| Fotovoltaica | Farallón Solar 2 | Farallón 2 | 823.23 |
| Fotovoltaica | Divisa Solar | D Solar | 1,335.79 |
| Fotovoltaica | Azuero Venture | Azuero Venture | 2,071.12 |
| Fotovoltaica | Coclé Venture | Coclé Venture | 2,052.05 |
| Fotovoltaica | Pmá Venture | Pmá Venture | 1,901.47 |
| Fotovoltaica | Solar Uno | Solar Uno | 645.82 |
| Fotovoltaica | Solar Istmo | Solar Istmo | 1,058.29 |
| Fotovoltaica | Bugaba Solar | Bugaba Solar | 232.09 |
| Fotovoltaica | El Fraile Solar | El Fraile Solar | 80.62 |
| Fotovoltaica | LL Sánchez Solar | 1, 3 y 4 | 3,922.32 |
| Fotovoltaica | P Solar | P Solar | 2,510.02 |
| Fotovoltaica | P S Z 1 | P S Z 1 | 1,212.45 |
| Fotovoltaica | C Solar | C Solar | 114.17 |
| Fotovoltaica | Estrella Solar | Estrella Solar | 933.89 |
| Fotovoltaica | Tecnisol | Tecnisol 1 2 3 4 | 8,060.01 |
| Fotovoltaica | Panasolar | Panasolar | 1,681.17 |
| Fotovoltaica | Solar Develop | Development | 665.30 |
| Fotovoltaica | Daconan Solar | Daconan | 1,020.05 |
| Fotovoltaica | Photovoltaics | Eco Solar 1 y 2 | 2,821.55 |
| Fotovoltaica | Mayorca solar | Mayorca solar | 2,317.57 |
| Fotovoltaica | Electricidad Solar | ELE solar | 540.07 |
| Fotovoltaica | Pesé solar | Pesé solar | 2,109.72 |
| Fotovoltaica | Solpac | Solpac | 417.13 |
| Fotovoltaica | Jaguito | Jaguito | 1,621.84 |
| Fotovoltaica | Progreso | Progreso | 3,237.90 |
| Fotovoltaica | Celsia | Celsia | 800.20 |
| Fotovoltaica | Panasolar 2 | Panasolar 2 | 102.60 |
| Fotovoltaica | Panasolar 3 | Panasolar 3 | 0.00 |
| Fotovoltaica | Boquerón | Boquerón | 417.13 |
| Fotovoltaica | Oro Solar | Oro Solar | 1,011.30 |
| Fotovoltaica | Río de Jesús | Río de Jesús | 947.61 |
| Fotovoltaica | Aes Pmá | Caoba Solar | 1,878.74 |
| Fotovoltaica | Aes Pmá | Cedro Solar | 1,782.20 |
| Fotovoltaica | Sunrise | maspv 1 | 54.26 |
| | TOTAL | | 230,738.53 |

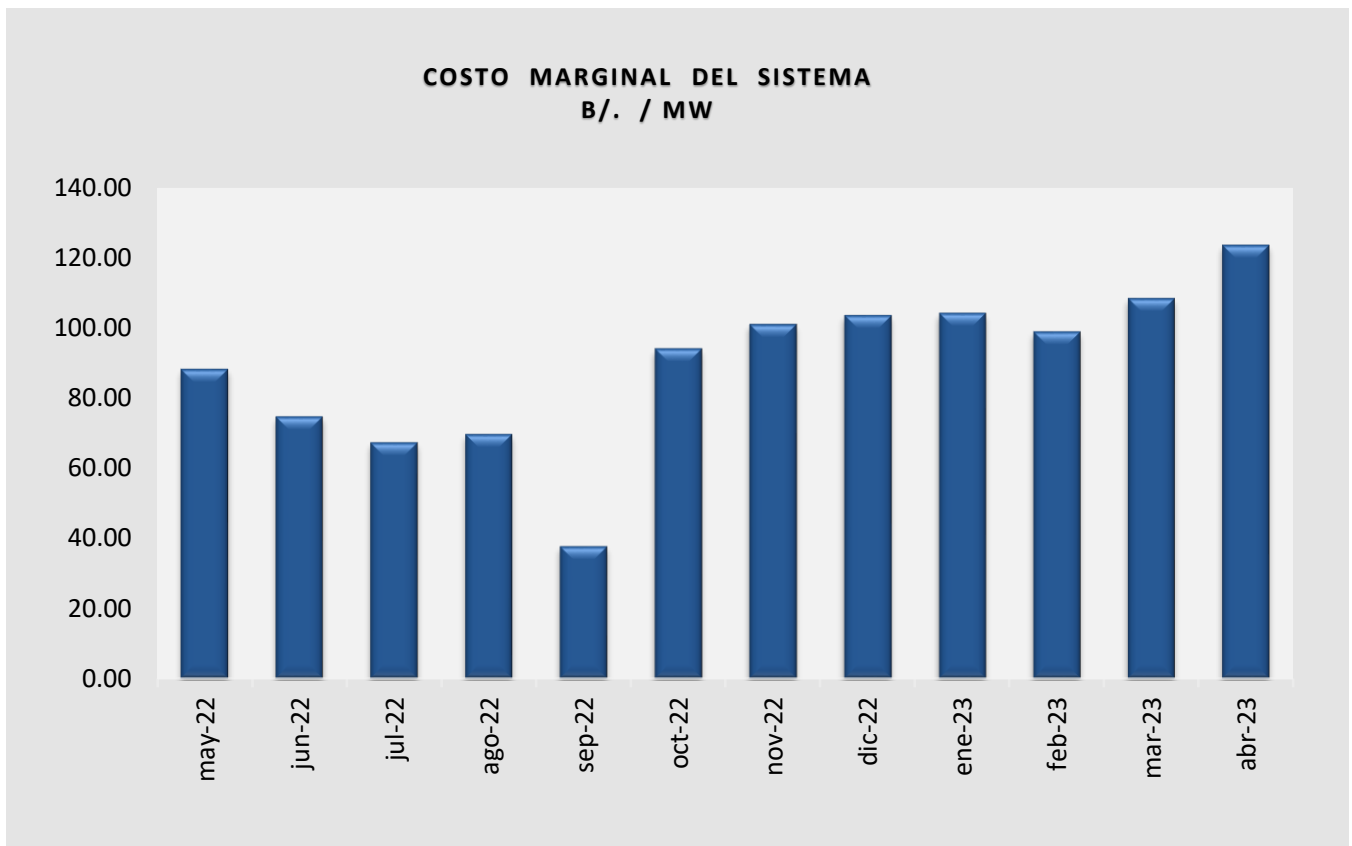
VI. IMPORTACIONES Y EXPORTACIONES

| mes | IMPORTACIÓN MWh | EXPORTACIÓN MWh |
|--------|--------------------|--------------------|
| may-22 | 9,715.40 | 35,621.35 |
| jun-22 | 6,421.33 | 18,761.56 |
| jul-22 | 0.00 | 36,560.85 |
| ago-22 | 0.00 | 58,084.16 |
| sep-22 | 0.00 | 70,074.29 |
| oct-22 | 0.00 | 35,700.07 |
| nov-22 | 0.00 | 64,789.01 |
| dic-22 | 14,107.59 | 32,592.90 |
| ene-23 | 47,293.84 | 31,750.78 |
| feb-23 | 28,717.11 | 57,586.39 |
| mar-23 | 6,816.85 | 110,742.99 |
| abr-23 | 5,915.83 | 54,413.77 |



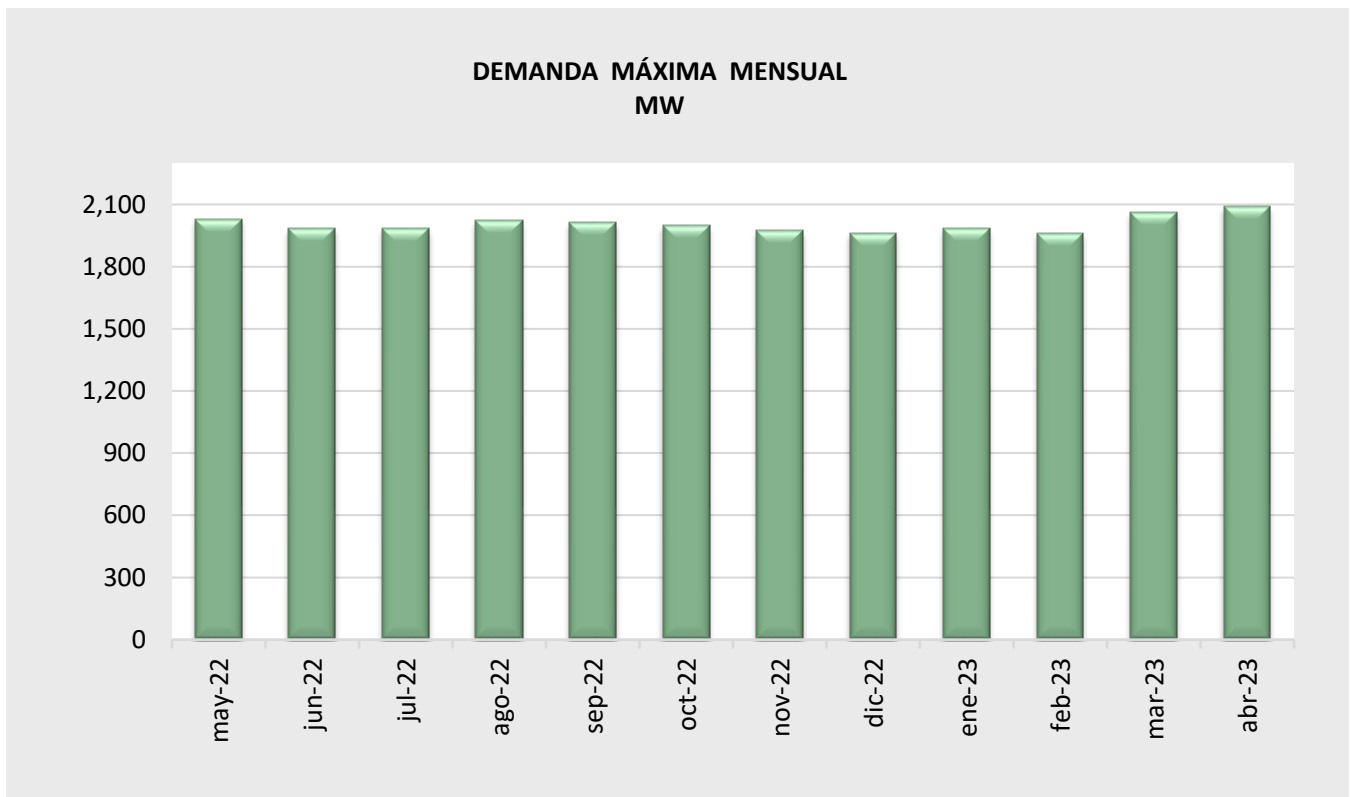
VII. COSTO MARGINAL DEL SISTEMA

| mes | CMS B./ /MWh |
|--------|-----------------|
| may-22 | 88.24 |
| jun-22 | 74.68 |
| jul-22 | 67.26 |
| ago-22 | 69.68 |
| sep-22 | 37.64 |
| oct-22 | 94.01 |
| nov-22 | 100.95 |
| dic-22 | 103.59 |
| ene-23 | 104.22 |
| feb-23 | 98.91 |
| mar-23 | 108.37 |
| abr-23 | 123.55 |



VIII. DEMANDA MÁXIMA MENSUAL Y ANUAL

| mes | Demanda Máxima |
|--------|-------------------|
| may-22 | 2,031 |
| jun-22 | 1,985 |
| jul-22 | 1,984 |
| ago-22 | 2,022 |
| sep-22 | 2,012 |
| oct-22 | 1,999 |
| nov-22 | 1,974 |
| dic-22 | 1,963 |
| ene-23 | 1,986 |
| feb-23 | 1,962 |
| mar-23 | 2,059 |
| abr-23 | 2,090 |



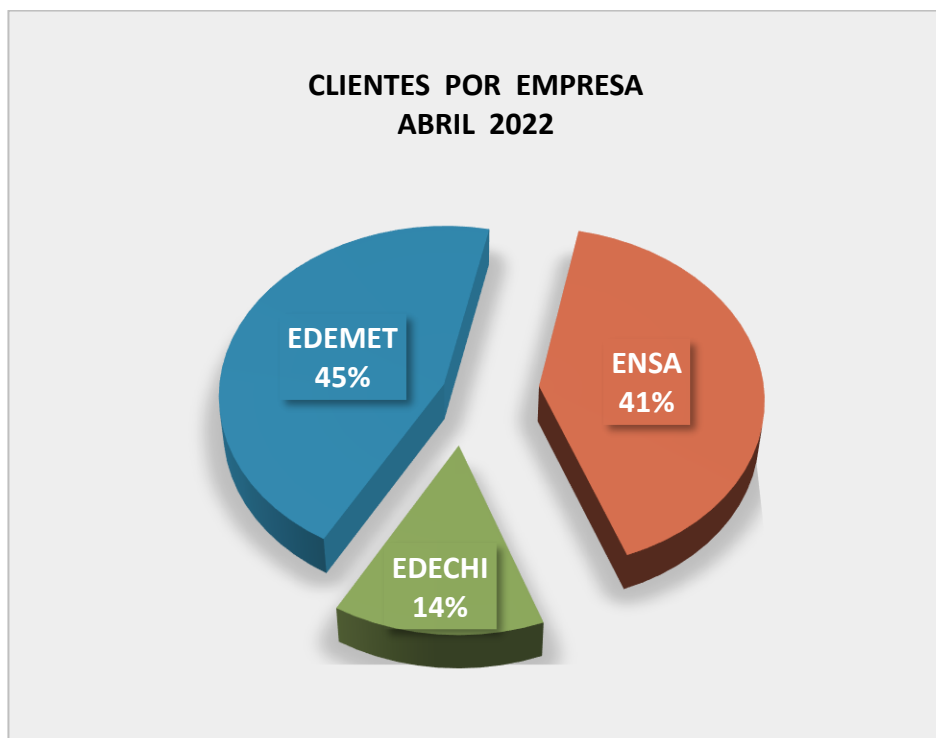
IX. COSTO DE ENERGÍA Y POTENCIA HIDRO, TÉRMICA, EÓLICA Y SOLAR

| ABRIL | EDEMET | | | | ENSA | | | |
|----------------------|---------------|---------------|----------------|---------------|--------------|--------------|----------------|---------------|
| | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL |
| COSTO POTENCIA (B/.) | 3,809,260.48 | 15,332,781.45 | 0.00 | 19,142,041.93 | 1,796,522.00 | 4,984,833.44 | 0.00 | 6,781,355.45 |
| COSTO ENERGÍA (B/.) | 13,548,894.93 | 3,945,653.88 | 3,515,477.27 | 21,010,026.08 | 6,070,050.86 | 1,204,913.34 | 1,630,579.09 | 8,905,543.29 |
| COSTO TOTAL (B/.) | 17,358,155.41 | 19,278,435.34 | 3,515,477.27 | 40,152,068.02 | 7,866,572.86 | 6,189,746.79 | 1,630,579.09 | 15,686,898.74 |
| ENERGÍA (MWh) | 251,686.29 | 93,189.75 | 33,859.23 | 378,735.27 | 70,113.21 | 56,199.32 | 15,749.22 | 142,061.75 |
| MONÓMICO (B./MWh) | 68.97 | 206.87 | 103.83 | 106.02 | 112.20 | 110.14 | 103.53 | 110.42 |

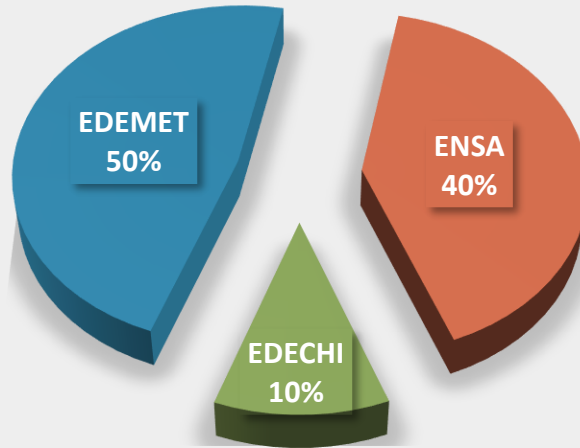
| ABRIL | EDECHI | | | | TOTAL | | | |
|----------------------|--------------|--------------|----------------|--------------|---------------|---------------|----------------|---------------|
| | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL |
| COSTO POTENCIA (B/.) | 285,482.05 | 2,795,155.22 | 0.00 | 3,080,637.27 | 5,891,264.53 | 23,112,770.11 | 0.00 | 29,004,034.65 |
| COSTO ENERGÍA (B/.) | 1,896,672.64 | 1,031,800.51 | 1,163,529.12 | 4,092,002.26 | 21,515,618.43 | 6,182,367.73 | 6,309,585.48 | 34,007,571.64 |
| COSTO TOTAL (B/.) | 2,182,154.69 | 3,826,955.73 | 1,163,529.12 | 7,172,639.53 | 27,406,882.96 | 29,295,137.85 | 6,309,585.48 | 63,011,606.29 |
| ENERGÍA (MWh) | 35,965.71 | 1,301.81 | 11,181.33 | 48,448.84 | 357,765.20 | 150,690.87 | 60,789.78 | 569,245.86 |
| MONÓMICO (B./MWh) | 60.67 | 2,939.72 | 104.06 | 148.05 | 76.61 | 194.41 | 103.79 | 110.69 |

X. CLIENTES, VENTAS Y FACTURACIÓN POR DISTRIBUIDORA

| ABRIL | NÚMERO DE CLIENTES | VENTAS (kWh) | FACTURACIÓN US \$ |
|--------------|--------------------|--------------------|--------------------|
| EDEMET | 568,301 | 310,721,716 | 60,912,878.83 |
| ENSA | 517,796 | 267,789,071 | 51,434,331.00 |
| EDECHI | 176,439 | 74,518,399 | 14,341,815.36 |
| TOTAL | 1,262,536 | 653,029,186 | 126,689,025 |



**VENTAS DE ENERGÍA POR EMPRESA
ABRIL 2022**



**FACTURACIÓN POR EMPRESA
ABRIL 2022**

