



ESTADÍSTICA DEL MERCADO ELÉCTRICO PANAMEÑO

ENERO 2023

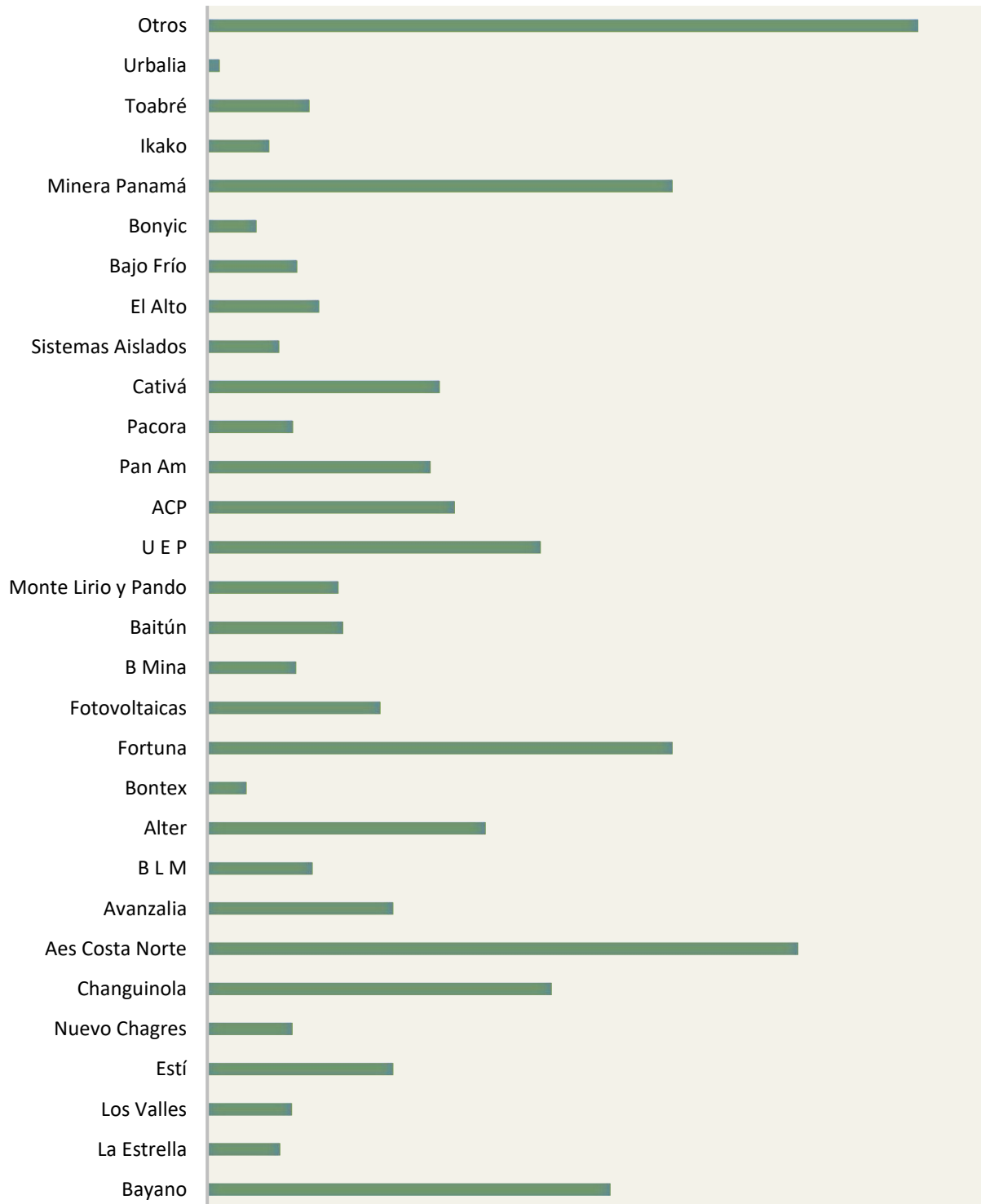
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I. CAPACIDAD INSTALADA POR AGENTE Y POR PLANTA

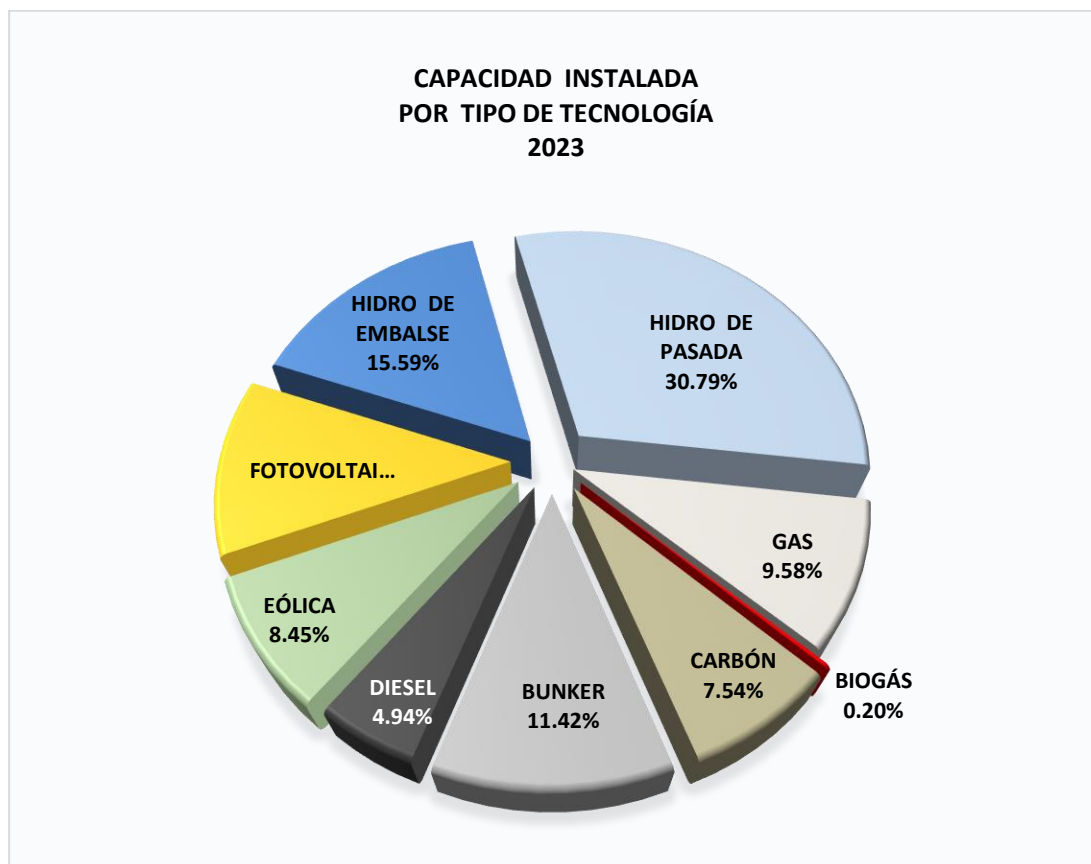
| EMPRESA | PLANTA | Capacidad Instalada MW | Capacidad Firme MW | % |
|---------------|---------------------|------------------------------|--------------------------|---------------|
| AES Pmá | Bayano | 260.00 | 160.12 | 6.54 |
| AES Pmá | La Estrella | 47.20 | 16.13 | 1.19 |
| AES Pmá | Los Valles | 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

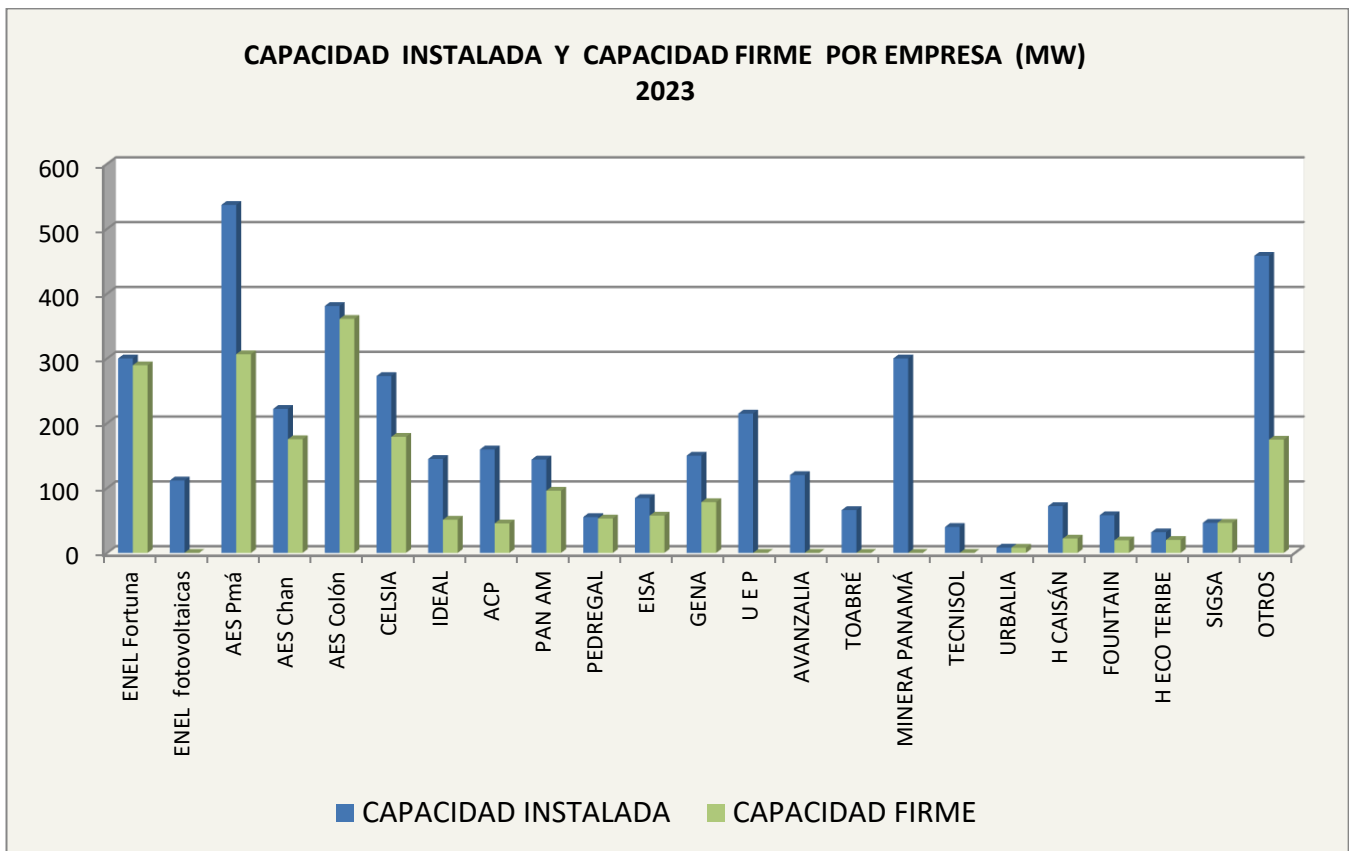
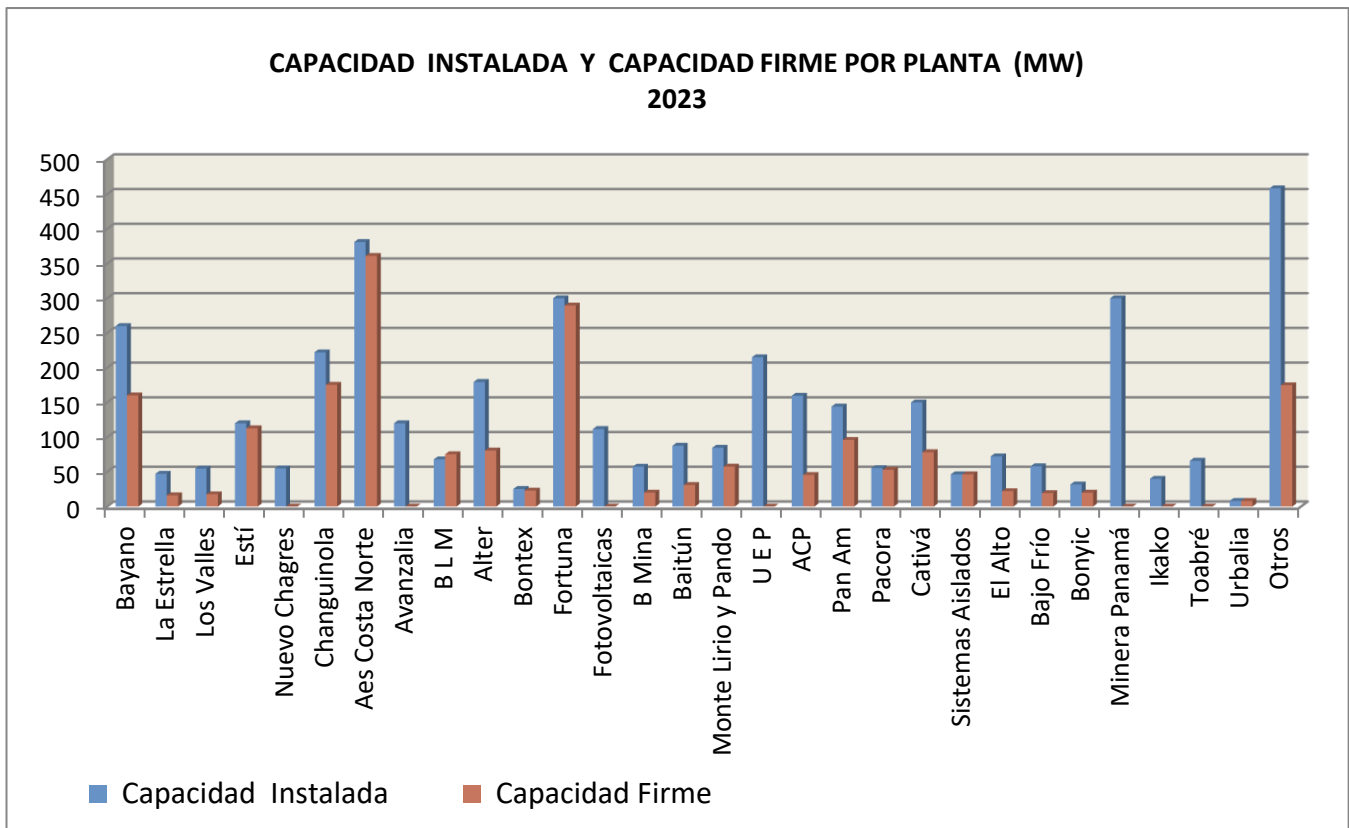


II. CAPACIDAD INSTALADA POR TIPO DE TECNOLOGÍA

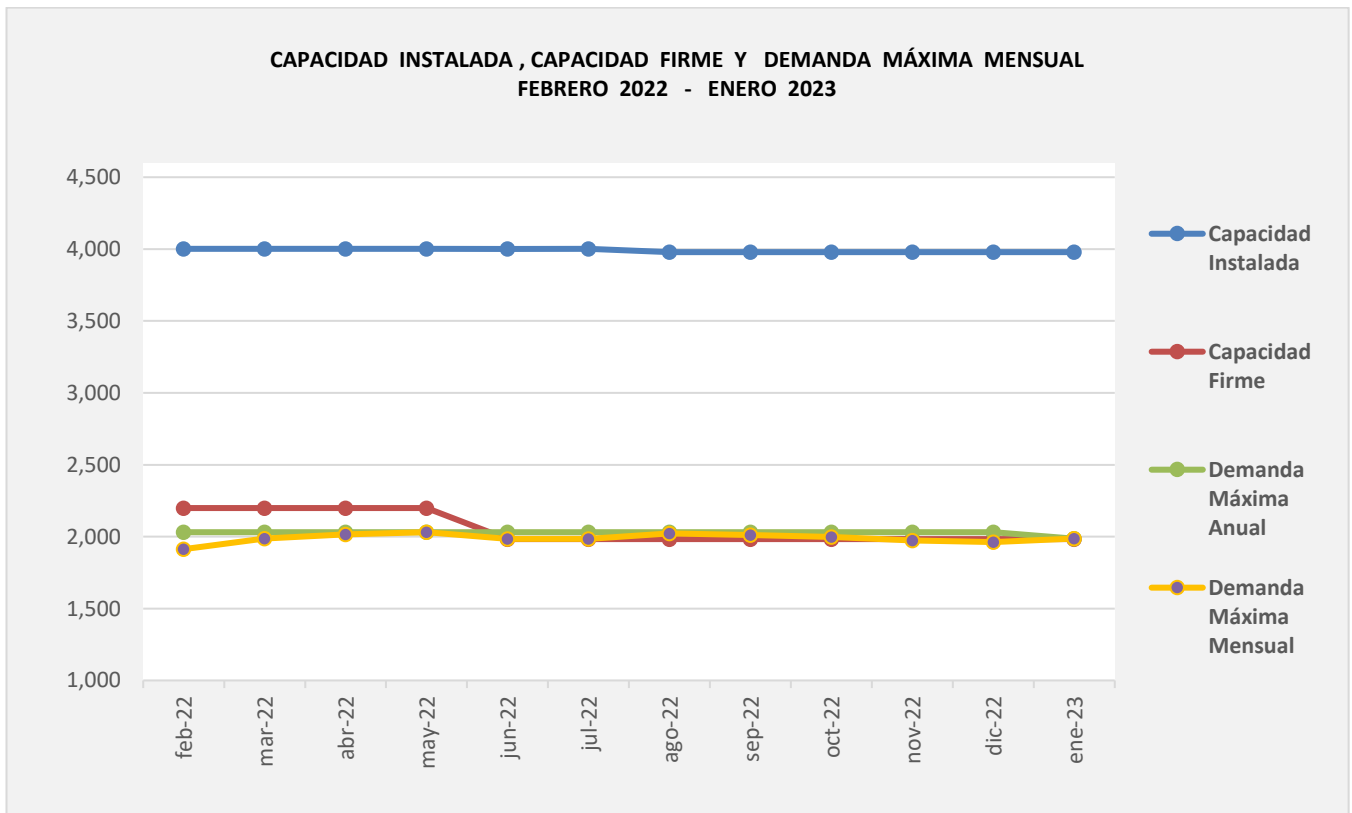
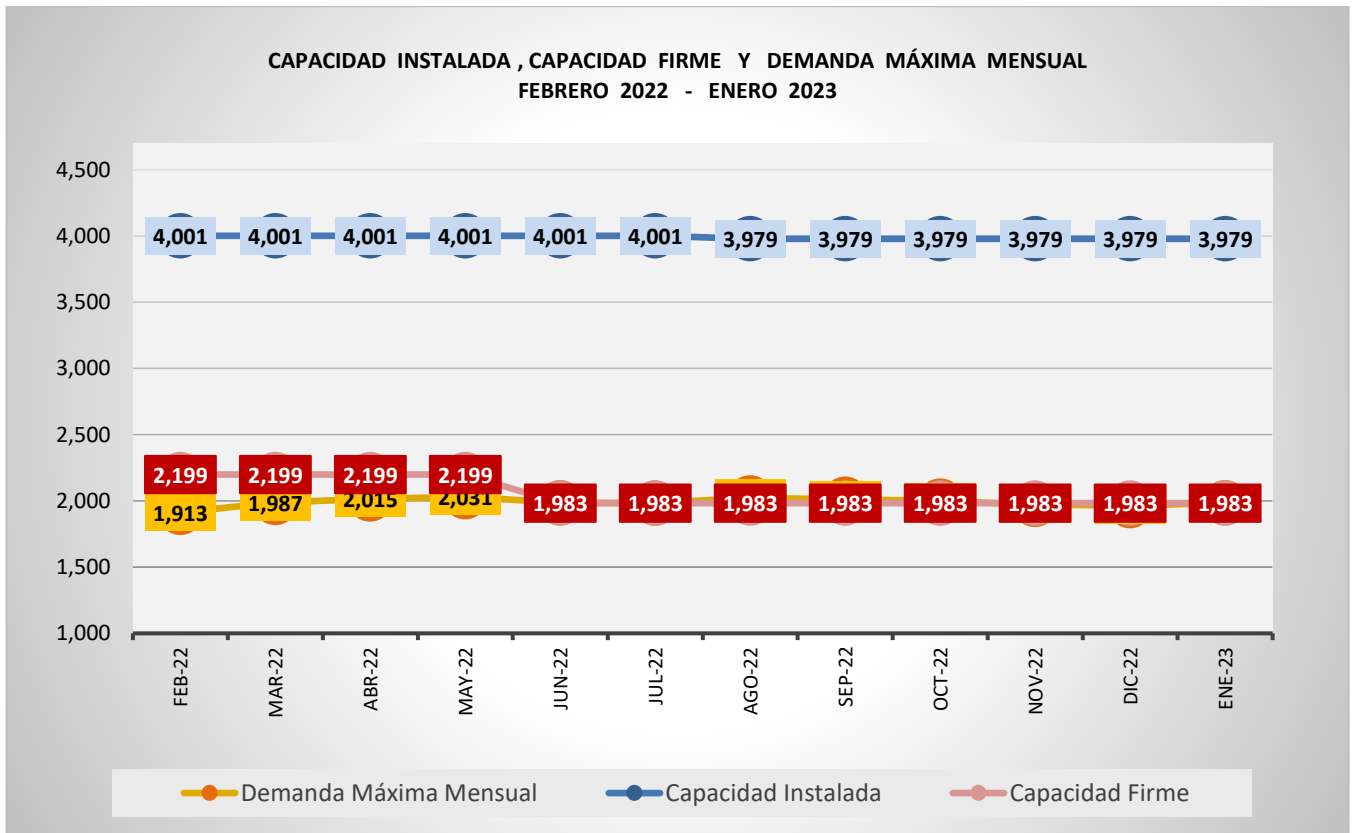
| TECNOLOGÍA | MW | % |
|------------------|-----------------|-------------|
| HIDRO DE EMBALSE | 620.00 | 15.59% |
| HIDRO DE PASADA | 1,224.70 | 30.79% |
| GAS | 381.00 | 9.58% |
| BIOGÁS | 8.10 | 0.20% |
| CARBÓN | 300.00 | 7.54% |
| BUNKER | 454.12 | 11.42% |
| DIESEL | 196.43 | 4.94% |
| EÓLICA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



III. CAPACIDAD INSTALADA Y FIRME POR EMPRESA Y PLANTA



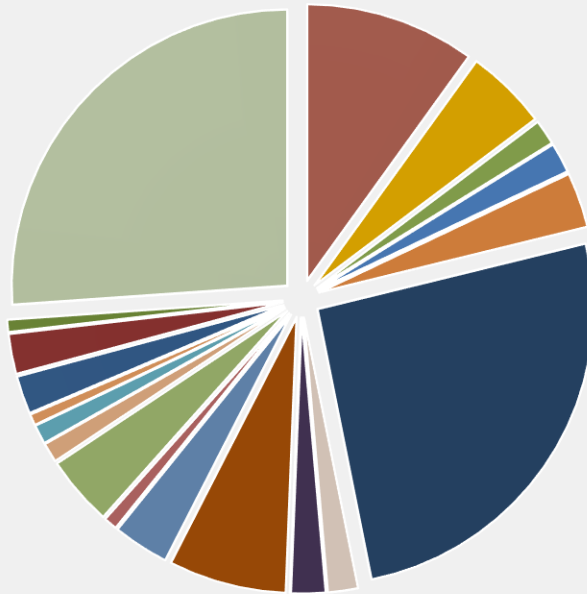
IV. CAPACIDAD INSTALADA Y FIRME VS DEMANDA MÁXIMA MENSUAL



V. GENERACIÓN POR EMPRESA Y PLANTA

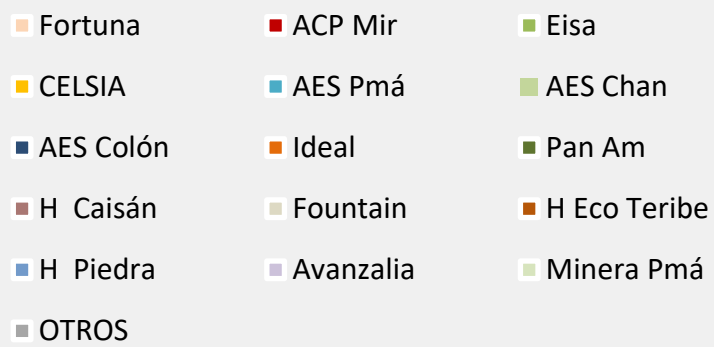
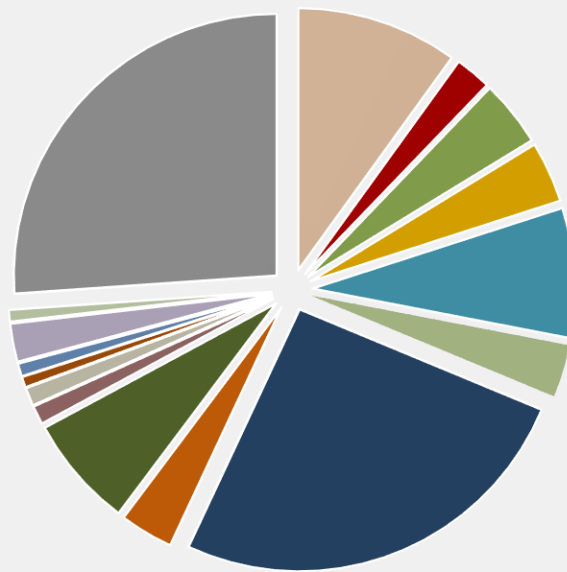
| Empresa | Planta | MWh | % |
|--------------|---------------|-------------------|----------------|
| ENEL | Fortuna | 90,570.36 | 9.95% |
| AES Pmá | Bayano | 43,477.04 | 4.78% |
| AES Pmá | Estrella | 13,355.39 | 1.47% |
| AES Pmá | Valles | 15,981.93 | 1.76% |
| AES Pmá | Estí | 0.00 | 0.00% |
| AES Chan | Chan | 29,392.72 | 3.23% |
| AES Colón | Gana | 233,710.63 | 25.68% |
| CELSIA | Alternegy | 15,966.52 | 1.75% |
| CELSIA | Bontex | 0.00 | 0.00% |
| CELSIA | Cativá | 18,271.92 | 2.01% |
| CELSIA | BLM | 12.31 | 0.00% |
| PAN AM | Pan Am | 62,824.96 | 6.90% |
| IDEAL | B Mina Baitún | 29,890.65 | 3.28% |
| Hidro Piedra | RP 490 | 7,180.99 | 0.79% |
| EISA | Monte Lirio | 37,188.07 | 4.09% |
| Hidro Caisán | El Alto | 10,373.85 | 1.14% |
| Fountain | Bajo Frío | 10,181.39 | 1.12% |
| Eco Teribe | Bonyic | 5,888.57 | 0.65% |
| ACP | Miraflores | 20,274.41 | 2.23% |
| Avanzalia | Avanzalia | 21,400.95 | 2.35% |
| Minera Pmá | Minera | 6,600.17 | 0.73% |
| OTROS | Otros | 237,545.48 | 26.10% |
| | TOTAL | 910,088.31 | 100.00% |

GENERACIÓN POR PLANTA ENERO 2023



| Empresa | MWh | % |
|----------------|-------------------|----------------|
| Fortuna | 90,570.36 | 9.95% |
| ACP Mir | 20,274.41 | 2.23% |
| Eisa | 37,188.07 | 4.09% |
| CELSIA | 34,250.75 | 3.76% |
| AES Pmá | 72,814.35 | 8.00% |
| AES Chan | 29,392.72 | 3.23% |
| AES Colón | 233,710.63 | 25.68% |
| Ideal | 29,890.65 | 3.28% |
| Pan Am | 62,824.96 | 6.90% |
| H Caisán | 10,373.85 | 1.14% |
| Fountain | 10,181.39 | 1.12% |
| H Eco Teribe | 5,888.57 | 0.65% |
| H Piedra | 7,180.99 | 0.79% |
| Avanzalia | 21,400.95 | 2.35% |
| Minera Pmá | 6,600.17 | 0.73% |
| OTROS | 237,545.48 | 26.10% |
| TOTAL | 910,088.31 | 100.00% |

GENERACIÓN POR EMPRESA ENERO 2023

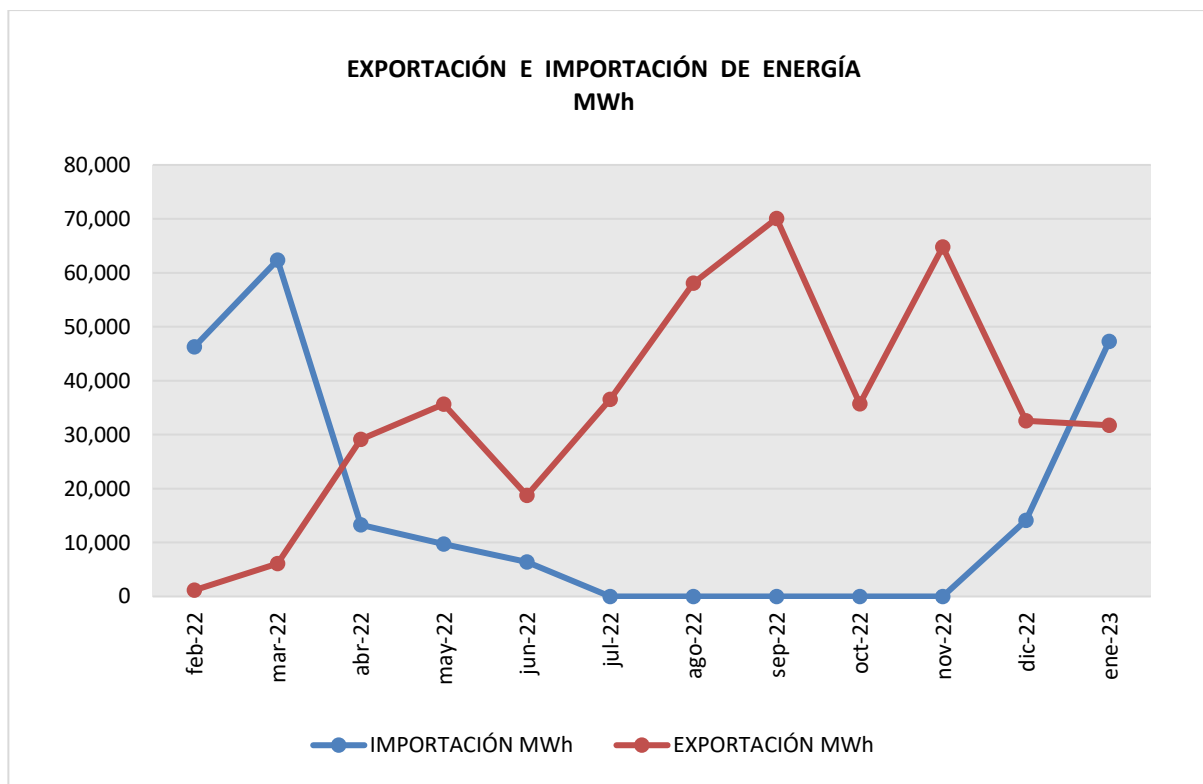


| OTROS | | | |
|-------------------|------------------|---------------|------------|
| Tecnología | Empresa | Planta | MWh |
| Hidroeléctrica | Hidro Boquerón | Macano | 1,839.80 |
| Hidroeléctrica | Paso Ancho | P Ancho | 2,262.97 |
| Hidroeléctrica | Esepsa | Yeguada | 2,906.96 |
| Hidroeléctrica | Esepsa | Dolega | 785.01 |
| Hidroeléctrica | Esepsa | M Monte | 736.74 |
| Hidroeléctrica | Esepsa | Algarrobos | 1,739.93 |
| Hidroeléctrica | Hidro Panamá | Antón | 611.42 |
| Hidroeléctrica | Hid Candela | Hid Candela | 91.15 |
| Hidroeléctrica | Istmus | Concepción | 3,473.14 |
| Hidroeléctrica | Café Eleta | Caldeco | 3,957.47 |
| Hidroeléctrica | S Francolí | Planetas | 1,167.04 |
| Hidroeléctrica | Hidro Ibérica | El Fraile | 2,409.57 |
| Hidroeléctrica | Pedregalito | Pedregalito | 2,102.48 |
| Hidroeléctrica | Río Chico | Río Chico | 1,303.20 |
| Hidroeléctrica | Alto valle | A Valle | 3,143.54 |
| Hidroeléctrica | Electrogen Istmo | Mendre 2 | 1,651.71 |
| Hidroeléctrica | Perlas Norte | P Norte | 3,637.95 |
| Hidroeléctrica | Perlas Sur | P Sur | 3,704.84 |
| Hidroeléctrica | Emnadesa | Bugaba | 1,442.48 |
| Hidroeléctrica | San Lorenzo | S Lorenzo | 2,111.46 |
| Hidroeléctrica | Corp Istmo | Corp Istmo | 2,682.47 |
| Hidroeléctrica | Genisa | Barro Blanco | 4,432.46 |
| Hidroeléctrica | Bajos de Totuma | Bajos Totuma | 1,667.83 |
| Hidroeléctrica | Feisa | Feisa | 1,464.77 |
| Hidroeléctrica | Desarrollos Hid. | San Andrés | 823.00 |
| Térmica | Canopo | Canopo | 0.01 |
| Térmica | Urbalia | Urbalia | 1,002.03 |
| Térmica | Sparkle | Sparkle | 9,630.67 |
| Térmica | Cadasa | Cadasa | 4,467.95 |
| Térmica | Gena | Gena | 0.00 |
| Térmica | Tropitérmica | Tropitérmica | 0.00 |
| Eólica | UEP I | UEP I | 14,057.47 |
| Eólica | UEP II | UEP II | 71,354.99 |
| Eólica | Toabré | Toabré | 32,166.14 |

| | | | |
|--------------|--------------------|------------------|-------------------|
| Fotovoltaica | EGESA | Sarigua | 4.51 |
| Fotovoltaica | G Solar | Albrook | 0.00 |
| Fotovoltaica | Enel | San Juan | 1,709.40 |
| Fotovoltaica | Azucarera | Coclé Solar | 0.00 |
| Fotovoltaica | LL S Solar | Don Félix | 1,420.15 |
| Fotovoltaica | Farallón Solar 2 | Farallón 2 | 766.38 |
| Fotovoltaica | Divisa Solar | D Solar | 1,222.27 |
| Fotovoltaica | Azuero Venture | Azuero Venture | 1,980.49 |
| Fotovoltaica | Coclé Venture | Coclé Venture | 1,944.06 |
| Fotovoltaica | Pmá Venture | Pmá Venture | 1,787.42 |
| Fotovoltaica | Solar Uno | Solar Uno | 721.59 |
| Fotovoltaica | Solar Istmo | Solar Istmo | 1,125.75 |
| Fotovoltaica | Bugaba Solar | Bugaba Solar | 274.08 |
| Fotovoltaica | El Fraile Solar | El Fraile Solar | 78.52 |
| Fotovoltaica | LL Sánchez Solar | 1, 3 y 4 | 4,151.79 |
| Fotovoltaica | P Solar | P Solar | 3,122.41 |
| Fotovoltaica | P S Z 1 | P S Z 1 | 1,287.02 |
| Fotovoltaica | C Solar | C Solar | 156.04 |
| Fotovoltaica | Estrella Solar | Estrella Solar | 894.95 |
| Fotovoltaica | Tecnisol | Tecnisol 1 2 3 4 | 8,059.69 |
| Fotovoltaica | Panasolar | Panasolar | 1,549.50 |
| Fotovoltaica | Solar Develop | Development | 864.01 |
| Fotovoltaica | Daconan Solar | Daconan | 519.62 |
| Fotovoltaica | Photovoltaics | Eco Solar 1 y 2 | 2,960.74 |
| Fotovoltaica | Mayorca solar | Mayorca solar | 2,206.12 |
| Fotovoltaica | Electricidad Solar | ELE solar | 437.73 |
| Fotovoltaica | Pesé solar | Pesé solar | 2,203.70 |
| Fotovoltaica | Solpac | Solpac | 410.37 |
| Fotovoltaica | Jaguito | Jaguito | 1,947.89 |
| Fotovoltaica | Progreso | Progreso | 3,781.65 |
| Fotovoltaica | Celsia | Celsia | 948.11 |
| Fotovoltaica | Boquerón | Boquerón | 410.37 |
| Fotovoltaica | Aes Pmá | Caoba Solar | 1,821.49 |
| Fotovoltaica | Aes Pmá | Cedro Solar | 1,889.27 |
| Fotovoltaica | Sunrise | maspv 1 | 59.78 |
| | TOTAL | | 237,545.48 |

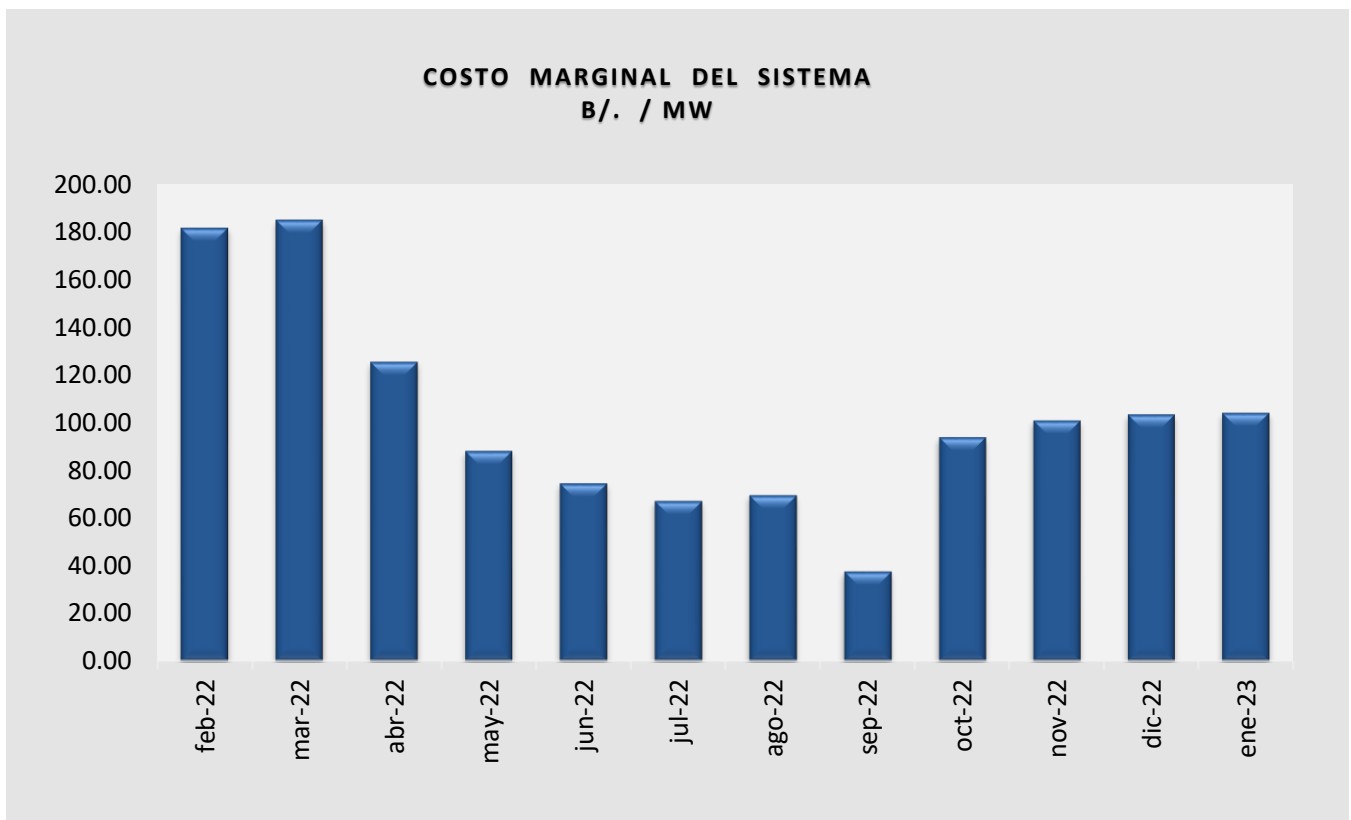
VI. IMPORTACIONES Y EXPORTACIONES

| mes | IMPORTACIÓN MWh | EXPORTACIÓN MWh |
|--------|--------------------|--------------------|
| feb-22 | 46,287.68 | 1,162.28 |
| mar-22 | 62,361.82 | 6,090.05 |
| abr-22 | 13,300.37 | 29,100.69 |
| 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 |



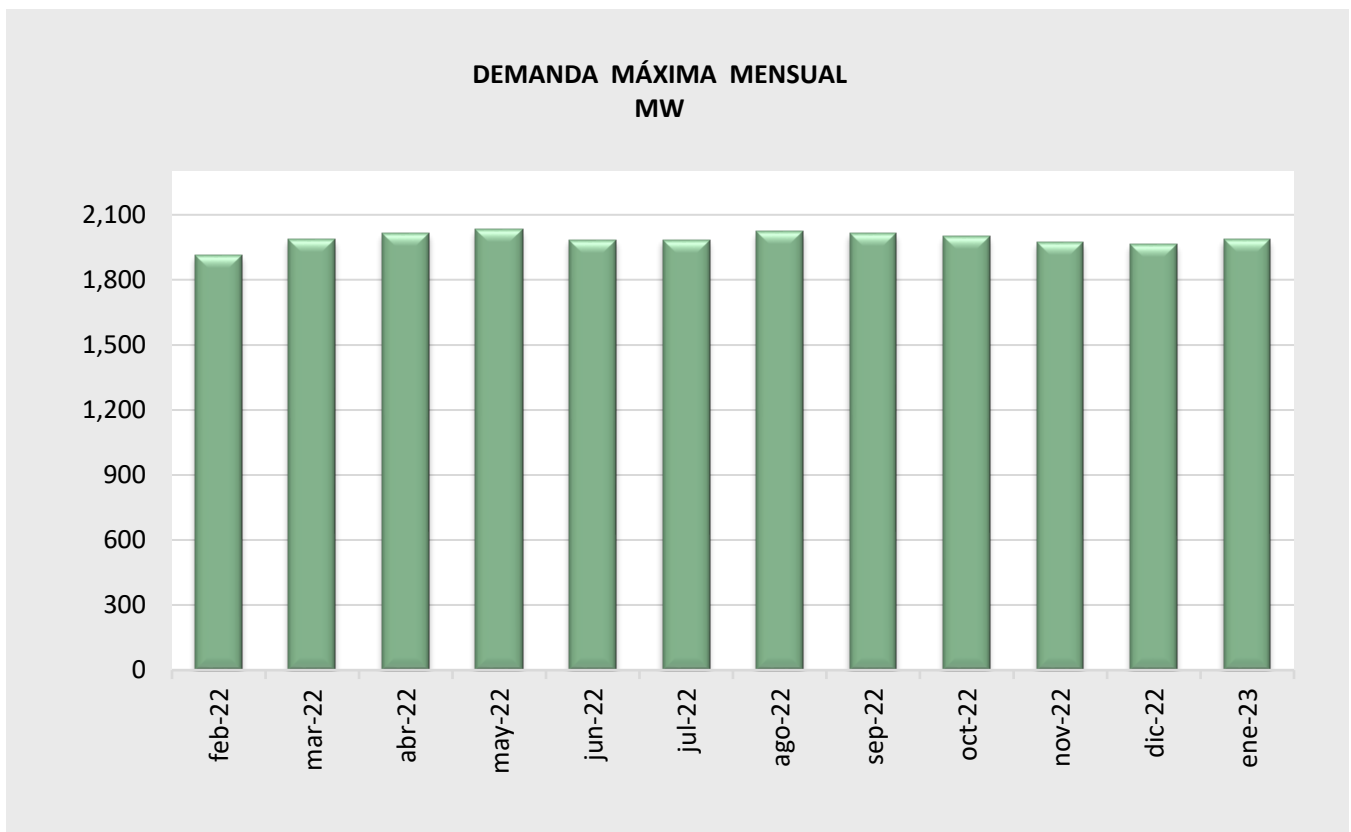
VII. COSTO MARGINAL DEL SISTEMA

| mes | CMS B/. /MWh |
|--------|--------------|
| feb-22 | 181.78 |
| mar-22 | 185.22 |
| abr-22 | 125.68 |
| 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 |



VIII. DEMANDA MÁXIMA MENSUAL Y ANUAL

| mes | Demanda Máxima |
|--------|----------------|
| feb-22 | 1,913 |
| mar-22 | 1,987 |
| abr-22 | 2,015 |
| 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 |



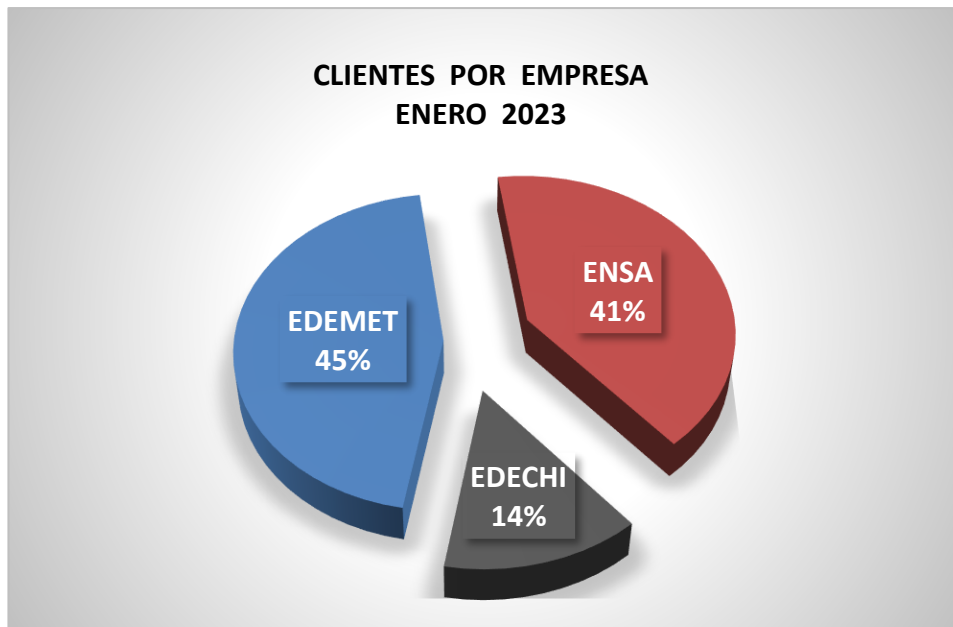
IX. COSTO DE ENERGÍA Y POTENCIA HIDRO, TÉRMICA, EÓLICA Y SOLAR

| ENERO | EDEMET | | | | ENSA | | | |
|----------------------|---------------|---------------|----------------|---------------|--------------|--------------|----------------|---------------|
| | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL |
| COSTO POTENCIA (B/.) | 4,039,736.50 | 8,777,598.20 | 0.00 | 12,817,334.70 | 1,894,380.40 | 4,989,230.20 | 0.00 | 6,883,610.59 |
| COSTO ENERGÍA (B/.) | 13,559,832.71 | 2,801,199.71 | 3,433,430.67 | 19,794,463.09 | 6,597,068.82 | 1,802,061.39 | 1,597,178.65 | 9,996,308.86 |
| COSTO TOTAL (B/.) | 17,599,569.21 | 11,578,797.91 | 3,433,430.67 | 32,611,797.79 | 8,491,449.21 | 6,791,291.59 | 1,597,178.65 | 16,879,919.45 |
| ENERGÍA (MWh) | 157,735.22 | 91,036.71 | 33,243.75 | 282,015.69 | 74,913.60 | 58,929.41 | 15,529.45 | 149,372.46 |
| MONÓMICO (B./MWh) | 111.58 | 127.19 | 103.28 | 115.64 | 113.35 | 115.24 | 102.85 | 113.01 |

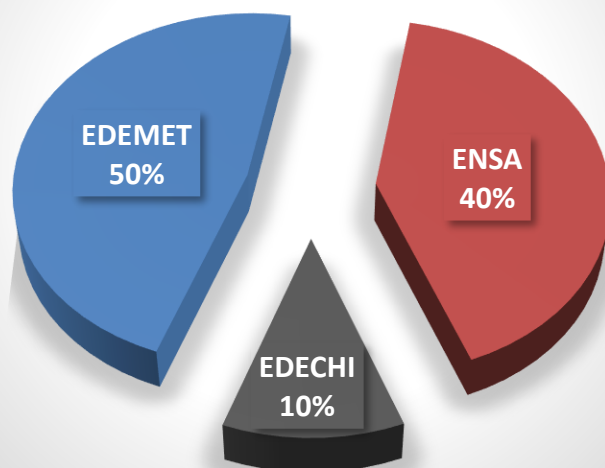
| ENERO | EDECHI | | | | TOTAL | | | |
|----------------------|--------------|--------------|----------------|--------------|---------------|---------------|----------------|---------------|
| | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL | HIDRO | TÉRMICA | EÓLICA Y SOLAR | TOTAL |
| COSTO POTENCIA (B/.) | 492,027.05 | 1,562,224.75 | 0.00 | 2,054,251.81 | 6,426,143.95 | 15,329,053.15 | 0.00 | 21,755,197.10 |
| COSTO ENERGÍA (B/.) | 2,135,276.56 | 1,366,058.42 | 1,133,021.88 | 4,634,356.86 | 22,292,178.08 | 5,969,319.52 | 6,163,631.20 | 34,425,128.81 |
| COSTO TOTAL (B/.) | 2,627,303.61 | 2,928,283.17 | 1,133,021.88 | 6,688,608.66 | 28,718,322.03 | 21,298,372.67 | 6,163,631.20 | 56,180,325.91 |
| ENERGÍA (MWh) | 22,608.30 | 19,219.43 | 10,939.96 | 52,767.69 | 255,257.12 | 169,185.55 | 59,713.17 | 484,155.84 |
| MONÓMICO (B./MWh) | 116.21 | 152.36 | 103.57 | 126.76 | 112.51 | 125.89 | 103.22 | 116.04 |

X. CLIENTES, VENTAS Y FACTURACIÓN POR DISTRIBUIDORA

| ENERO | NÚMERO DE CLIENTES | VENTAS (kWh) | FACTURACIÓN US \$ |
|--------------|---------------------------|---------------------|--------------------------|
| EDEMET | 562,982 | 296,537,351 | 59,982,116.00 |
| ENSA | 510,983 | 250,108,485 | 46,908,369.08 |
| EDECHI | 175,803 | 70,803,375.00 | 13,981,422.00 |
| TOTAL | 1,249,768 | 617,449,211 | 120,871,907 |



**VENTAS DE ENERGÍA POR EMPRESA
ENERO 2023**



**FACTURACIÓN POR EMPRESA
ENERO 2022**

