



Tomo II
Anexo 1

**Salidas del Caso REGMHTCB11:
Medio Hidrotérmico con Carbón**

Cuadro N° A1.1 Capacidad Firme Caso REGMHTCB11

CAPACIDAD FIRME (MW) - HIDROTÉRMIICO CONSIDERANDO CARBÓN/DEM.MEDIA

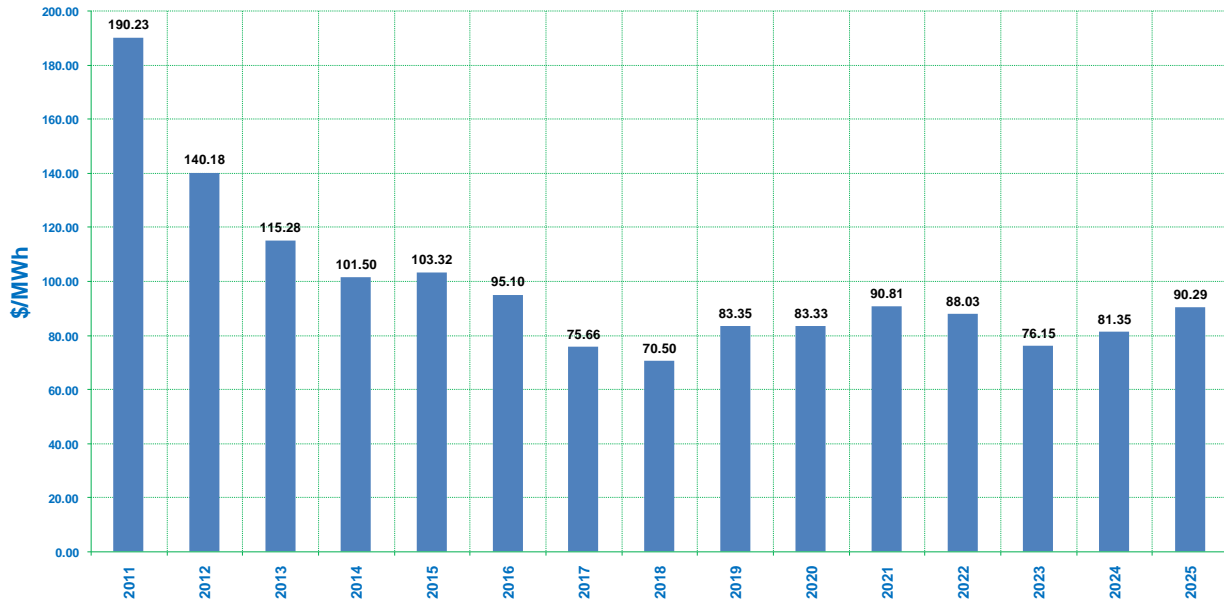
Caso REGMHTCB11	Capacidad Instalada	Fact. Disp. o Pot. Firme	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Potencia Firme Instalada			1,357.64	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31	1,335.31
ENEL FORTUNA	300.00		284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02
Fortuna	300.00	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02	284.02
AES PANAMA	481.96		193.88	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55	306.55
Bayano	260.00	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12	160.12
La Estrella	47.20	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13	16.13
Los Valles	54.76	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63
Esti	120.00	112.67	0	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67	112.67
ISTMUS HYDROPOWER, S.A.	10.00		2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
Concepcion	10.00	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
CALDERA ENERGY CORP.	20.00		3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92
Mendre	20.00	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92
Hidro Boqueron S.A	3.43		0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Macano	3.43	0.9	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Paso Ancho Hydro Power	6.78		4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
Paso Ancho	6.78	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
Hidro Candela	0.54		0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Candela	0.54	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
ESEPSA	22.07		7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31	7.31
La Yeguada	6.60	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Macho de Monte	2.50	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Dolega	3.12	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Los Algarrosos	9.86	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
HIDRO PMA	4.30		0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Anton I	1.40	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Anton II	1.40	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Anton II	1.50	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
AUTORIDAD DEL CANAL DE PANAMA (ACP)	175.00		148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28
ACP	175.00	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28	148.28
BLM CORP.	280.00		197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97	197.97
Bahia las Minas 2	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bahia las Minas 3	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bahia las Minas 4	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bahia las Minas Carbón	120.00	108.00	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
Ciclo Combinado BLM	160.00	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97	89.97
TURBINAS DE GAS PANAMA (EGESA)	142.80		135	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cerro Azul	60.00	60.00	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Charco Azul	40.00	40.00	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turb. Gas 1	21.40	18.00	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turb. Gas 2	21.40	17.00	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COPESA	46.50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Copesa	46.50	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAN-AM GENERATING	96.00		96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
Pan_Am	96.00	96.00	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
Padregal Power Company	55.40		53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50
Pacora	55.40	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50
ESEPSA	10.00		10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Capita	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
Chitre	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
TERMICA DEL CARIBE, S.A.	50.40		36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56
El Girál	50.40	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56	36.56
GENERADORA DEL ATLANTICO, S.A.	150.00		105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64
T. Colon	150.00	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64	105.64
GDF SUEZ ENERGY	87.00		77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
T. Cativa	87.00	77.00	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77

Cuadro N° A1.1 Capacidad Firme Caso REGMHTCB11 (Continuación)

Caso REGMHTCB11	Capacidad	Pot. Firme	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
PROYECTOS HIDROELECTRICOS (FUTUROS)																	
Lorena	33.80	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62	30.62
Los Planetas 1	4.50	0.91	0.00	0.00	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Pedregalito	20.00	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
Bajo de Mina	56.00	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07	20.07
Chan I	222.46	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33	175.33
Pedregalito 2	13.00	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22
Prudencia	56.00	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09	50.09
El Fraile	5.47	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Baitún	88.70	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09
La Huaca	5.05	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Las Perlas Norte	10.00	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46
Gualaca	25.20	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04	23.04
Las Perlas Sur	10.00	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46
Mendre II	8.00	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56
Cochea	12.50	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
Bajo de Totuma	5.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Caldera	4.00	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
RP-490	9.95	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
Bajo Frio	56.00	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51	16.51
Monte Lirio	51.60	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38	32.38
Pando	32.00	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13
Tizngal	4.64	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
El Sindigo	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
San Andres	9.00	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54
Reminio Rojas	8.60	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58	2.58
Bonyic	31.30	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22
El Alto	68.00	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14	22.14
Cañazas	5.94	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
La Laguna	9.30	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
Las Cruces	9.17	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
Los Estrechos	10.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Ojo de Agua	6.46	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
San Bartolo	15.25	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57
SM 82	25.60	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
Los Planetas 2	3.73	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
San Lorenzo	8.40	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33
Bu Rica	50.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Potrillo	4.17	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Barro Blanco	28.84	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92	10.92
Tabasará II	34.50	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90	11.90
Chan II	214.00	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38	150.38
PROYECTOS TERMOELECTRICOS (FUTUROS)																	
CB250a	250.00	0.85	0	0	0	0	0	0	0	213	213	213	213	213	213	213	213
CB250b	250.00	0.85	0	0	0	0	0	0	0	0	0	213	213	213	213	213	213
CB250c	250.00	0.85	0	0	0	0	0	0	0	0	0	0	0	213	213	213	213
CB250d	250.00	0.85	0	0	0	0	0	0	0	0	0	0	0	0	213	213	213
PROYECTOS EOLICOS (FUTUROS)																	
Eolico I	150.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eolico II	40.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eolico III	80.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eolico IV	120.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POTENCIA FIRME			1644	1684	1820	1862	1873	2035	2035	2248	2248	2460	2460	2673	2885	2885	2885
Demanda Máxima de Generación			1257	1324	1406	1494	1585	1678	1775	1880	1982	2102	2212	2327	2450	2589	2730
BALANCE			387	361	414	368	288	358	260	368	266	358	249	346	435	296	156
RESERVA			30.81%	27.20%	29.46%	24.64%	18.20%	21.32%	14.66%	19.55%	13.41%	17.07%	11.24%	14.87%	17.75%	11.45%	5.70%

CUADRO N° A1.2: Costos Marginales del Caso REGMHTCB11

COSTO MARGINAL DE DEMANDA													
\$/MWh													
Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Prom
2011	186.39	189.45	237.41	205.63	206.41	204.54	194.44	189.73	175.42	173.32	159.19	160.78	190.23
2012	179.80	196.41	208.03	213.08	207.89	159.82	120.76	103.36	70.31	67.99	72.02	82.74	140.18
2013	101.05	137.60	182.25	210.66	183.97	133.34	103.81	82.02	51.85	57.53	65.24	74.06	115.28
2014	92.45	121.49	173.40	212.00	192.94	89.79	73.71	62.47	51.85	40.98	43.80	63.13	101.50
2015	90.42	118.82	181.38	206.75	178.93	85.08	71.30	68.51	46.40	46.83	64.39	81.07	103.32
2016	99.90	121.67	173.11	224.12	178.90	83.27	57.21	50.33	34.31	30.63	35.44	52.27	95.10
2017	75.48	95.83	126.42	188.45	156.38	62.67	55.55	41.06	17.81	16.38	21.76	50.18	75.66
2018	68.25	79.29	94.78	139.38	108.11	70.31	60.46	53.41	35.04	38.35	36.59	62.06	70.50
2019	76.39	88.08	110.48	159.27	134.08	73.47	67.49	66.64	56.99	54.19	46.22	66.96	83.35
2020	71.63	80.93	112.46	149.88	112.53	72.64	71.03	72.81	65.58	63.45	62.29	64.72	83.33
2021	77.03	84.95	116.91	163.68	130.92	82.41	77.69	80.08	69.21	66.66	67.56	72.60	90.81
2022	73.86	85.31	110.98	160.88	120.28	76.32	75.18	76.37	70.36	68.31	66.68	71.78	88.03
2023	72.98	75.52	86.85	103.20	83.98	74.64	73.97	73.97	69.58	67.46	61.09	70.62	76.15
2024	74.77	79.73	96.16	106.94	94.42	76.80	77.36	77.77	74.76	73.22	70.60	73.70	81.35
2025	79.16	87.86	113.67	135.75	110.41	83.50	81.25	83.77	77.86	77.43	74.82	78.03	90.29
Prom	94.64	109.53	141.62	171.98	146.68	95.24	84.08	78.82	64.49	62.85	63.18	74.98	

**COSTO MARGINAL DE DEMANDA
REGMHTCB11**


CUADRO N° A1.3: Informe Final de Generación del Caso REGMHTCB11

REGMHTCB11 Informe Final de Generación (GWH)															
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
PA_Fortuna	1853	1508	1570	1577	1510	1490	1602	1535	1380	1499	1582	1420	1598	1465	1537
PA_Bayano	843	765	817	584	518	647	877	478	800	595	877	674	867	689	626
PA_Esti	0	493	758	742	738	745	747	737	720	742	756	750	762	754	755
PA_Valles	316	323	323	315	318	316	316	314	314	316	312	315	321	320	318
PA_Estrella	265	266	266	260	263	259	258	259	259	260	257	259	265	263	265
PA_Mendre	100	113	113	111	111	111	109	110	110	111	111	112	113	114	111
PA_Concepcio	58	46	62	61	61	61	61	60	61	61	61	61	61	61	61
PA_Algarrobo	43	44	43	43	43	43	43	43	42	43	43	43	43	44	42
PA_PasoAncho	40	40	40	39	39	39	39	39	38	39	39	39	39	39	39
PA_Yeguada	24	24	24	24	24	23	24	24	24	24	24	23	24	24	24
PA_Macano	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
PA_Dolega	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
PA_Mmonte	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14
PA_Antoni	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PA_Antonill	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PA_Antonilll	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PA_Lorena	195	252	250	250	250	250	251	249	250	250	250	249	251	249	249
PA_Planetas1	22	25	24	24	24	24	24	24	24	24	24	24	24	24	24
PA_Pedregal	89	104	104	103	105	103	104	104	103	104	103	103	105	105	104
PA_Bjo Mina	116	221	220	220	218	219	219	219	219	219	220	220	220	220	219
PA_Chan I	463	1075	1087	1040	1083	1093	1581	1588	1579	1595	1601	1597	1621	1606	1618
PA_MinChan I	34	82	82	82	82	82	82	82	82	82	82	82	82	82	82
PA_Pedreg2	31	89	70	88	70	89	70	89	89	89	89	89	70	70	69
PA_Prudencia	81	294	290	289	289	289	289	285	285	286	285	284	292	289	291
PA_El Fraile	3	29	29	28	28	28	29	28	28	28	28	28	29	29	28
PA_Baitun	0	387	462	462	462	462	462	462	462	462	462	462	462	462	462
PA_LaHuaca	0	25	29	29	29	28	29	28	29	29	29	28	29	28	28
PA_Perlas N	0	50	62	62	61	61	62	61	61	62	61	61	62	62	61
PA_Gualaca	0	116	188	188	188	188	188	186	185	188	188	187	190	188	186
PA_Perlas S	0	45	62	62	61	61	62	61	61	62	61	61	62	62	61
PA_Mendre2	0	39	56	56	56	56	56	56	55	55	56	56	56	57	55
PA_Coochea	0	18	98	97	97	97	97	97	97	97	97	97	98	98	97
PA_B_Totuma	0	0	33	33	33	33	33	33	32	33	33	33	33	33	33
PA_Caldera	0	0	19	19	19	18	18	19	19	19	19	19	19	19	19
PA_RP490	0	0	53	55	56	56	56	55	55	56	56	55	56	56	55
PA_Bajofrio	0	0	222	258	262	254	259	256	258	254	258	257	259	253	261
PA_Pando	0	0	154	212	211	212	211	210	209	211	210	211	214	211	212
PA_Mon Lirio	0	0	191	225	226	226	227	224	224	225	222	223	227	225	228
PA_Tizingal	0	0	21	33	33	33	33	33	33	33	33	33	34	33	33
PA_Sindigo	0	0	36	56	56	57	56	56	56	57	56	57	57	58	55
PA_SanAndres	0	0	25	41	41	41	42	40	41	41	40	41	42	42	42
PA_RemigioR.	0	0	15	45	45	46	46	45	45	45	45	45	46	46	45
PA_Bonyic	0	0	16	173	181	177	177	175	173	174	174	173	176	175	177
PA_El Alto	0	0	25	315	315	315	316	312	312	317	312	310	322	320	318
PA_Cañazas	0	0	0	31	31	31	31	30	31	31	31	31	31	31	31
PA_Laguna	0	0	0	49	49	49	50	48	49	49	49	49	50	50	49
PA_LasCruces	0	0	0	48	48	47	49	47	48	48	48	48	48	48	48
PA_Estrechos	0	0	0	42	42	41	42	41	42	41	42	41	42	43	42
PA_Bartolo	0	0	0	79	79	78	79	77	78	78	78	79	80	79	79
PA_OjodeAgua	0	0	0	36	36	36	37	35	35	36	36	36	37	37	36
PA_SM 82	0	0	0	88	101	99	101	97	97	100	98	100	103	102	102
PA_Planetas2	0	0	0	10	21	21	21	21	21	21	21	21	21	21	21
PA_Slorenzo	0	0	0	26	45	45	45	44	45	45	44	45	45	45	45
PA_Burica	0	0	0	27	285	285	286	283	283	289	284	283	286	289	285
PA_Potrenill	0	0	0	2	23	23	23	23	23	23	23	23	23	23	23
PA_B_Blanco	0	0	0	0	105	102	99	102	103	104	103	104	105	105	104
PA_Tab II	0	0	0	0	0	173	203	201	202	205	204	201	204	203	204
PA_Chan II	0	0	0	0	0	51	1072	1073	1076	1086	1121	1048	1114	1101	1107
BUNKER	1618	525	172	140	123	93	36	3	10	8	17	6	0	0	1
DIESEL L.	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CARBON	823	797	656	442	516	414	306	1436	1666	2993	3330	4298	5081	6062	6460
GAS NAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACP1	527	232	490	349	325	318	218	107	159	132	164	134	30	56	130
ACP2	324	128	282	209	191	180	120	49	78	61	81	69	5	15	67
ACP3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACP4	281	86	189	149	138	132	77	18	28	25	46	38	1	2	29
EOLICO	0	0	636	635	630	628	593	633	636	639	642	644	642	645	644
Total Hidro	4257	6535	7805	8805	9154	9474	11172	10857	10811	11005	11202	10955	11305	11137	11153
Total Term.	3477	1767	2425	1925	1921	1768	1350	2246	2578	3858	4280	5189	5758	6780	7331
Total Gener	7734	8302	10229	10730	11075	11240	12522	13103	13387	14864	15482	16144	17064	17917	18484
Import.	143	383	88	90	131	200	126	98	186	57	76	73	138	124	201
Export.	59	554	1663	1613	1410	1037	1611	1479	1183	1752	1664	1567	1737	1663	1377
Perdidas	4	11	3	3	4	6	4	3	6	2	2	2	4	4	6
Demanda	7813	8119	8652	9203	9791	10397	11033	11719	12385	13167	13891	14648	15460	16374	17302
Deficit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0