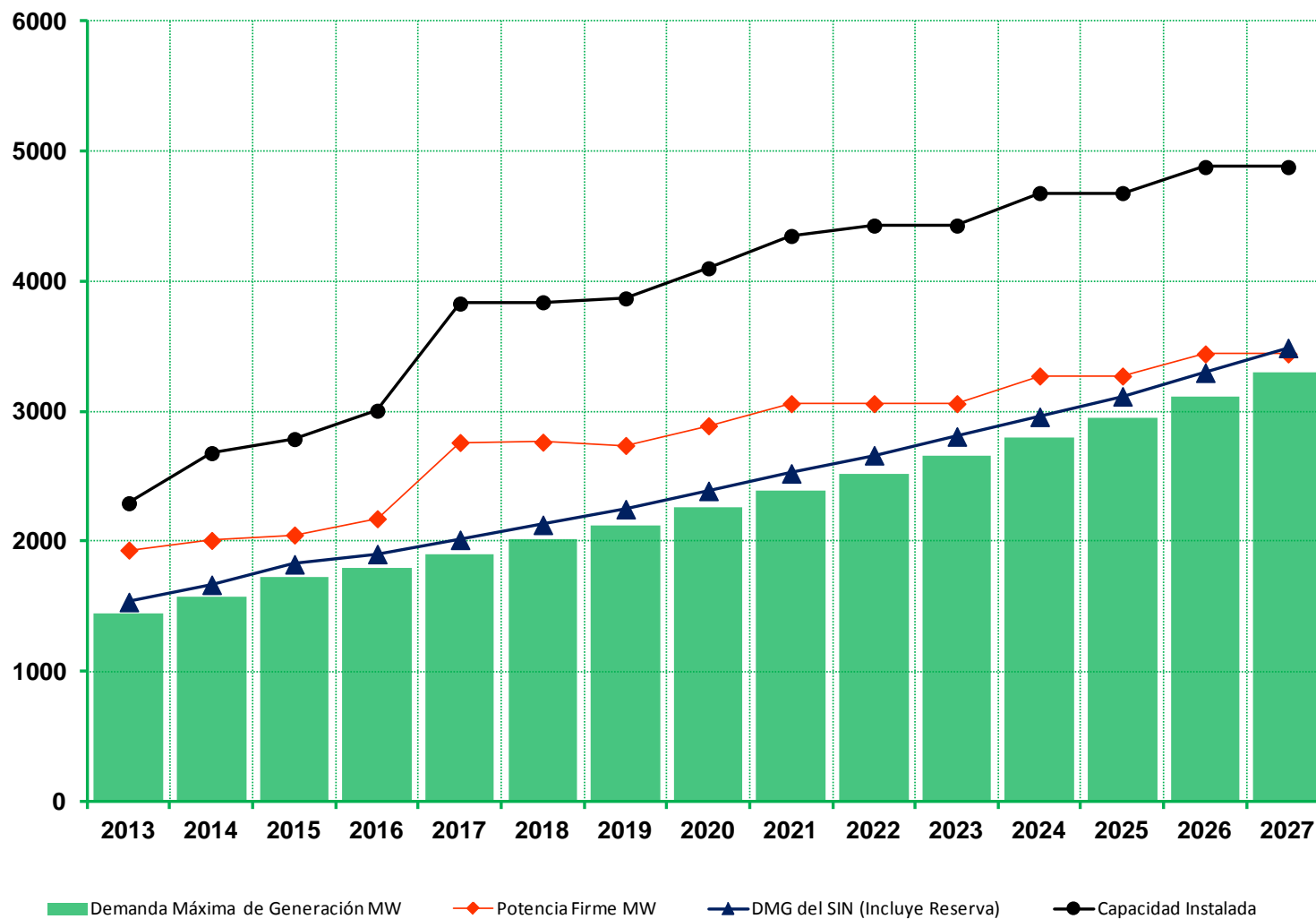


## **Tomo II Anexo 3**

# **Salidas del Caso REGMHTTLA13: Medio Hidrotérmico con GNL, Carbón y Fuentes de Energía Eólica.**

Gráfico N° A3.1 Balance de Potencia vs Demanda del Caso REGMHTTLA13



Cuadro N° A3.1 Capacidad Firme Caso REGMHTTLA13

Agente Generador	Nombre	Capacidad	Potencia																	
		Instalada MW	Firme MW	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027		
AES Panamá, S.A.	Bayano	260.00	160.1200	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		
	Estí	120.00	112.6700	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	112.67		
	Los Valles	54.76	17.6300	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		
	La Estrella	47.20	16.1300	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		
ENEL Fortuna, S.A.	Fortuna	300.00	290.2050	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21	290.21		
AES Changuinola	Changuinola 1	212.40	165.6700	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67	165.67		
	Mini Chan	9.77	9.6600	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66		
Ideal Panamá, S.A	Baitún	85.90	31.0900	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		
	Bajo de Mina	56.00	20.0700	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		
GDF SUEZ - Alternegy, S.A.	Prudencia	58.66	50.0900	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		
	Lorena	33.77	30.6200	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		
GDF SUEZ - Bontex, S.A.	Gualaca	25.34	23.0400	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		
Energía y Servicios de Panamá, S.A.	Algarobos	9.86	2.4100	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		
	La Yeguada	6.60	3.0000	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		
	Dolega	3.12	1.1000	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		
	Macho de Monte	2.496	0.8000	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		
Generadora Pedregalito, S.A.	Pedregalito	20.00	5.2500	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		
Caldera Energy Corp.	Mendre	19.75	3.9243	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		
Generadora Alto Valle, S.A.	Cochea	15.50	3.0640	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06		
Hidro Piedra, S.A.	RP-490	14.00	3.3720	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37		
Generadora Río Chico S.A.	Pedregalito 2	12.89	3.2200	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		
Istmus Hydropower Corp	Concepción	11.00	2.4900	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		
Paso Ancho Hydro-Power, Corp.	Paso Ancho	6.000	4.3000	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		
Hidroibérica, S.A.	El Fraile	5.35	0.4993	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
Salto de Francoli S.A.	Los Planetas 1	4.95	0.9100	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	0.91	0.91		
Hidro-Panamá, S.A.	Antón I	1.40	0.2400	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		
	Antón II	1.40	0.2400	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		
	Antón III	1.50	0.2600	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		
Hidro Boquerón, S.A.	Macano	3.50	0.8980	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		
Café de Eleta, S.A.	Candela		0.1297	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		
GDF SUEZ - Bahia Las Minas Corp, S.A.	Ciclo Comb.BLM	160.00	147.4700	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47	147.47		
	Bahía las Minas Carbón	120.00	108.0000	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00	108.00		
Generadora del Atlántico, S.A.	Termocolón	150.00	144.5000	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50	144.50		
PAN-AM Generating Ltd.	Pan Am	96.00	96.0000	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00	96.00		
GDF SUEZ - Alternegy, S.A.	Térmica Cativá	87.00	80.0000	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00		
Pedregal Power Company	Pacora	53.53	53.5300	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53		
Térmica del Caribe, S.A.	El Giral II	34.92	32.5565	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56	32.56		
	El Giral	15.60	14.4685	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47	14.47		
Empresa de Generación Eléctrica, S.A.	Panamá 1	21.40	19.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Panamá 2	21.40	19.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Energía y Servicios de Panamá, S.A.	Capira	5.50	5.5000	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	4.5000	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		
Autoridad del Canal de Panamá	ACP		219.5900	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59	219.59		
<b>Σ</b>		<b>2172.97</b>		<b>1869</b>	<b>1869</b>	<b>1869</b>	<b>1869</b>	<b>1869</b>	<b>1869</b>	<b>1869</b>	<b>1869</b>	<b>1577</b>	<b>1577</b>	<b>1577</b>	<b>1577</b>	<b>1577</b>	<b>1577</b>	<b>1577</b>		

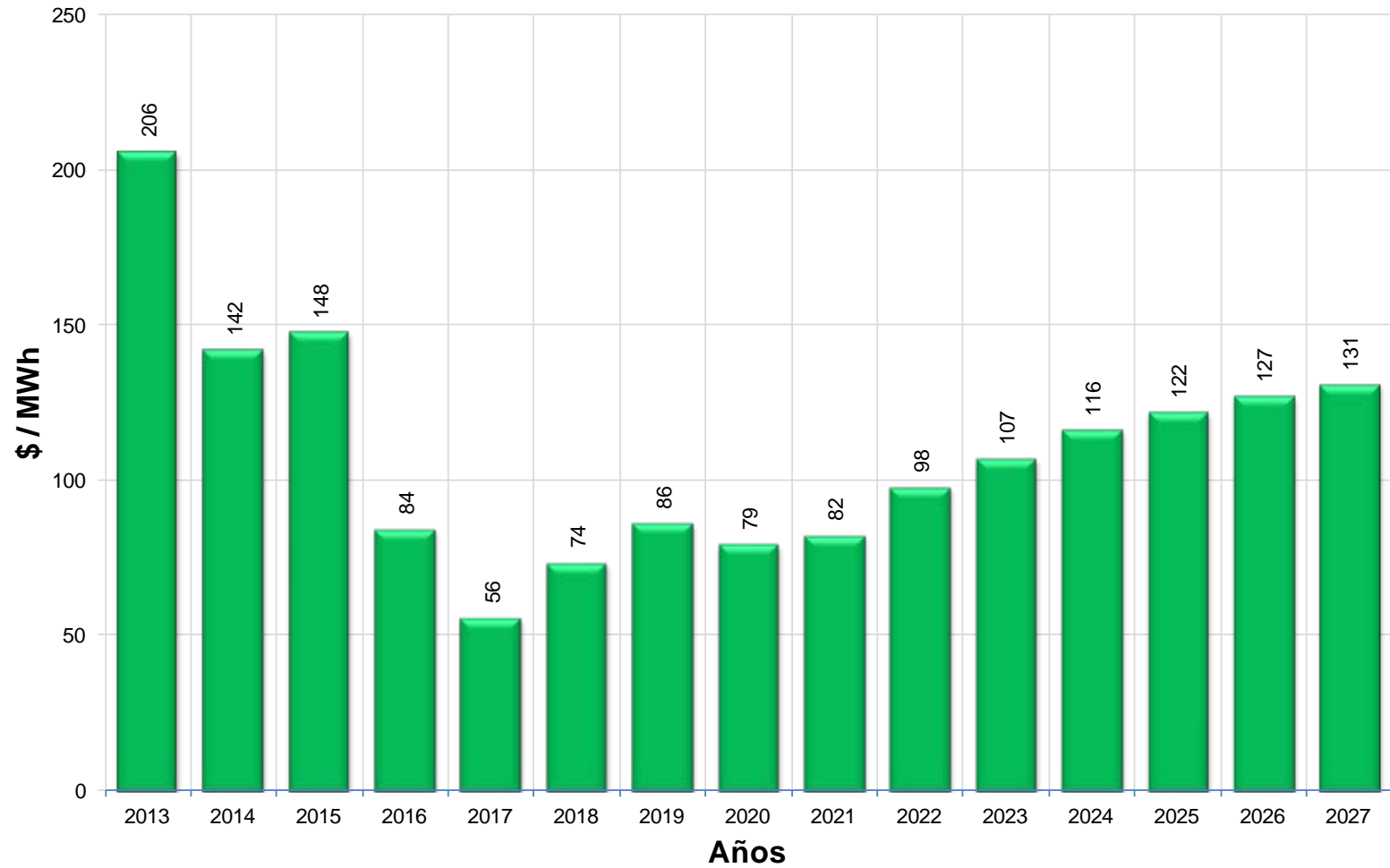
### Cuadro N° A3.1 Capacidad Firme Caso REGMHTTLA13 (Continuación)

Proyectos Hidroeléctricos (Futuros)	Nombre	Capacidad		Potencia																
		Instalada MW	Firme MW	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027		
Electro Generadora del Istmo S.A.	Mendre 2	8.00	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560	1.5560		
Las Perlas Norte, S.A.	Las Perlas Norte	10.00	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613		
Las Perlas Sur, S.A.	Las Perlas Sur	10.00	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613	2.4613		
Hidroeléctrica San Lorenzo S.A.	San Lorenzo	8.40	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330	1.3330		
Electron Investment	Monte Lirio	49.95	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800	32.3800		
Electron Investment	Pando	33.30	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300	25.1300		
Hidronorth Corp.	La Huaca	5.05	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720	0.1720		
Desarrollos Hidroeléctricos Corp.	San Andres	10.00	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380	2.5380		
Los Naranjos Overseas, S.A.	El Síndigo	10.00	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000		
Hydro Caisán, S.A.	El Alto	69.48	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400	22.1400		
Panama Hydroelectrical Development Co. S.A.	Santa Maria 82	25.60	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800	7.6800		
Hidroecológica del Teribe, S.A	Bonyic	31.86	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200	22.2200		
Fountain Intertrade Corp.	Bajo Frío	56.00	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100	16.5100		
Caldera Power Inc.	Caldera	4.10	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300		
Fuerza Eléctrica del Istmo, S.A.	Los Planetas 2	8.58	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500	1.3500		
Manuel Jaramillo Castillo	Asturias	4.10	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300		
Generadora del Istmo S.A.	Barro Blanco	28.56	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700	11.5700		
Natural Power & Resources, S.A.	Cañazas	5.94	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800	0.6800		
Mifita Power, Inc.	Santa María	26.00	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400	12.5400		
Hidroeléctrica Los Estrechos S.A.	Los Estrechos	12.30	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900	3.6900		
Estrella del Sur, S.A.	Ojo de Agua	9.00	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000		
Hidroeléctrica Tizngal S.A.	Tizngal	4.64	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500	2.5500		
Hidroeléctrica Bajos del Totuma, S.A.	Bajo de Totumas	5.00	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490	1.9490		
9 Power, S.A.	La Palma	2.02	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360	0.2360		
Hidroeléctrica Río Piedra, S.A.	Río Piedra	10.00	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000	3.0000		
Reforestadora Cañazas, S.A.	La Laguna	9.30	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900	2.7900		
Corporación de Energía del Istmo Ltd.	Las Cruces	14.40	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700	3.1700		
Corporación de Energía del Istmo Ltd.	San Bartolo	15.08	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400	5.6400		
Consorcio Hidroeléctrico Tabasará, S.A.	Tabasará II	34.50	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000	11.9000		
Hidro Buica, S.A.	Buica	50.00	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100	22.3100		
Navitas Internacional, S.A.	Chuspa	8.80	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200	2.1200		
Fuerza Hidráulica del Caribe, S.A.	Potrerillos	4.17	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522	1.2522		
Hydroenergía Company Corp.	Cerro La Mina	6.10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		
Río Power, S.A.	Cerro Viejo	4.00	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000		
Empresa de Generación Eléctrica, S. A.	Remigio Rojas	6.50	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500	1.9500		
Aht,S.A.	Los Trancos	0.95	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600	0.2600		
Panama Energy Business, Inc	Lalín III	22.00	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710	1.0710		
Empresa de Generación Eléctrica, S. A.	Chan II	214.00	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800	150.3800		
Hidro Occidente, S.A.	El Remance	8.00	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000	1.2000		
Hidroecológica San Andrés, S.A.	San Andrés II	9.90	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700	2.9700		
Panama Power Energy, Inc	Lalín I	18.40	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760	4.4760		
Panama Enegy Finance, Inc	Lalín II	30.00	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670	4.2670		
<b>Σ</b>		<b>846</b>		<b>65</b>	<b>140</b>	<b>181</b>	<b>233</b>	<b>234</b>	<b>236</b>	<b>240</b>	<b>391</b>	<b>391</b>	<b>391</b>	<b>391</b>	<b>391</b>	<b>391</b>	<b>391</b>	<b>391</b>		
Proyectos Termoeléctricos (Futuros)	Capacidad Instalada MW	Fact. Disp.	Potencia Firme MW	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027		
Minera Panamá - Punta Rincón *	274.00	0.27	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		
CB200	200.00	0.80	160					160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0	160.0		
PA_CCGN250a	250.00	0.85	212.5					212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5		
PA_CCGN250b	250.00	0.85	212.5					212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5		
PA_CCGNBLM	160.00	0.85	136					136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0	136.0		
PA_CCGNTOOL	150.00	0.85	127.5					127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5		
PA_CCGN200	200.00	0.85	170					170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0		
PA_CCGN250c	250.00	0.85	212.5					212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5	212.5		
PA_CCGN200b	200.00	0.85	170					170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0		
<b>Σ</b>		<b>1200</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>659</b>	<b>659</b>	<b>922</b>	<b>922</b>	<b>1092</b>	<b>1092</b>	<b>1092</b>	<b>1305</b>	<b>1305</b>	<b>1475</b>	<b>1475</b>		
Proyectos Eólicos (Futuros)	Capacidad Instalada MW	Potencia Firme MW	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027			
Unión Eólica Panameña, S. A.	Rosa de los Vientos	100.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Unión Eólica Panameña, S. A.	Marañón	17.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Unión Eólica Panameña, S. A.	Nuevo Chagre	62.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Unión Eólica Panameña, S. A.	Portobelo	40.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Unión Eólica Panameña, S. A.	Eólico I																			

CUADRO N° A3.2: Costos Marginales del Caso REGMHTTLA13

## Costo Marginal de Demanda \$/MWh

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Prom
<b>2013</b>	312.40	305.94	289.04	284.94	243.34	172.68	177.73	148.10	142.42	141.43	129.75	126.48	<b>206.19</b>
<b>2014</b>	152.29	180.24	182.84	186.16	178.88	163.61	150.35	122.82	99.36	81.60	96.54	112.49	<b>142.26</b>
<b>2015</b>	176.19	203.51	211.85	220.58	206.30	163.92	138.21	113.13	91.48	75.17	77.75	95.28	<b>147.78</b>
<b>2016</b>	107.32	139.88	172.97	193.22	158.10	66.40	47.78	31.08	21.22	16.96	18.52	38.73	<b>84.35</b>
<b>2017</b>	57.26	74.91	87.43	98.36	87.81	58.03	46.94	36.28	28.79	25.22	24.58	42.41	<b>55.67</b>
<b>2018</b>	71.59	90.28	102.01	109.60	96.85	79.43	67.37	58.19	48.87	45.86	44.64	67.40	<b>73.51</b>
<b>2019</b>	92.71	106.58	110.76	113.99	106.86	91.84	80.36	71.45	63.98	58.59	57.70	78.41	<b>86.10</b>
<b>2020</b>	91.29	102.50	106.22	108.23	93.47	79.42	69.96	63.98	56.79	55.77	53.33	71.68	<b>79.39</b>
<b>2021</b>	89.11	103.76	108.89	111.88	105.08	82.33	72.81	65.93	57.10	57.18	56.91	77.57	<b>82.38</b>
<b>2022</b>	102.49	113.75	114.83	117.16	113.86	101.39	94.01	87.15	81.33	78.21	76.38	95.41	<b>98.00</b>
<b>2023</b>	111.75	121.01	123.74	126.04	121.59	113.02	104.36	98.46	90.17	88.20	88.00	98.51	<b>107.07</b>
<b>2024</b>	118.83	124.04	125.58	125.47	124.32	121.11	119.23	115.27	108.32	105.14	99.04	109.54	<b>116.32</b>
<b>2025</b>	122.47	126.56	129.16	131.67	128.68	125.68	123.83	121.28	115.46	112.96	107.10	119.29	<b>122.01</b>
<b>2026</b>	127.08	128.74	131.76	131.96	130.35	128.64	128.09	127.23	125.59	123.09	119.65	123.16	<b>127.11</b>
<b>2027</b>	130.61	132.66	136.44	136.14	133.71	131.75	131.24	130.73	129.62	127.67	124.15	128.04	<b>131.06</b>



## CUADRO N° A1.3: Informe Final de Generación del Caso REGMHTTLA13

Informe Final de Generación															
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PA_Algarrobo	54	56	57	55	55	55	55	56	56	56	56	56	56	56	57
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_Antonill	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
PA_Asturias	0	0	29	29	29	29	29	29	29	29	29	29	29	29	29
PA_B. Blanco	0	0	129	127	126	125	127	130	130	127	127	127	127	129	130
PA_B.BlancG3	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17
PA_B.Totuma	0	0	3	33	33	33	33	33	33	34	34	34	34	34	34
PA_Baitun	484	492	495	495	492	491	496	501	493	493	497	496	496	499	496
PA_Bajofrio	0	121	261	260	257	255	258	259	259	262	258	259	253	256	259
PA_Bartolo	0	0	0	79	78	76	79	80	79	78	79	79	79	80	80
PA_Bayano	517	623	650	539	582	580	583	531	560	544	573	578	649	627	680
PA_Bjo Mina	352	354	357	358	356	355	357	360	356	357	358	358	356	359	358
PA_Bornyic	0	83	184	180	177	178	176	179	181	176	178	180	179	178	182
PA_Burica	0	0	0	285	289	284	286	289	283	287	287	286	288	288	287
PA_C.Mina	0	0	0	0	0	34	34	35	34	34	34	34	35	35	35
PA_C.Viejo	0	0	0	0	0	23	23	24	23	23	24	24	24	24	24
PA_Caldera	0	0	19	19	19	19	19	20	19	20	19	20	19	19	19
PA_Cañazas	0	0	31	31	31	31	32	33	31	32	31	32	31	31	32
PA_Chan I	1069	1111	1099	1067	1066	1086	1072	1081	1100	1095	1098	1099	1095	1101	1119
PA_Chan II	0	0	0	0	0	0	0	1035	1118	1106	1099	1106	1114	1128	1139
PA_Chuspa	0	0	0	44	43	42	41	44	44	44	43	43	43	42	43
PA_Cochea	69	73	73	73	73	72	73	74	74	74	73	73	73	73	74
PA_Concepcio	64	65	65	65	65	65	65	66	65	65	65	65	65	65	65
PA_Dolega	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20
PA_El Alto	0	210	309	307	304	302	310	311	306	310	310	308	310	307	313
PA_El Fraile	27	28	29	29	29	28	29	29	28	29	28	28	29	28	30
PA_ElRemance	0	0	0	0	0	0	0	49	49	48	49	49	49	49	49
PA_Esti	367	385	401	371	386	394	398	395	392	395	388	399	408	399	408
PA_Estrechos	0	0	42	41	42	41	42	42	42	42	42	42	41	42	43
PA_Estrella	239	260	260	258	259	261	261	261	266	263	258	259	262	257	263
PA_Fortuna	1426	1581	1646	1535	1583	1645	1601	1582	1577	1576	1566	1597	1671	1614	1650
PA_Gualaca	155	155	159	153	156	156	157	156	155	158	159	159	160	160	160
PA_Laguna	0	0	0	51	51	50	50	50	51	51	51	51	51	51	52
PA_LaHuaca	0	40	41	39	40	41	41	41	41	42	42	42	42	42	42
PA_Lalini	0	0	0	0	0	0	0	0	103	104	103	104	103	104	105
PA_LalinII	0	0	0	0	0	0	0	0	143	147	146	149	148	148	150
PA_LalinIII	0	0	0	0	0	0	88	91	84	88	88	89	89	89	91
PA_LaPalma	0	0	0	10	10	10	10	10	10	10	9	10	10	10	10
PA_LasCruces	0	0	0	48	48	47	48	48	49	48	48	48	48	49	49
PA_Lorena	205	202	206	192	201	205	208	207	206	211	211	213	214	214	214
PA_LosTranco	0	0	0	0	0	0	5	5	5	5	5	5	5	5	5
PA_Macano	15	16	17	17	17	17	17	17	16	17	17	17	17	17	17
PA_Mendre	147	145	149	144	146	148	149	147	147	149	149	150	150	150	150
PA_Mendre2	37	44	44	43	43	43	43	45	45	45	44	44	44	44	45
PA_MinChan I	29	32	32	32	32	32	32	32	32	32	32	32	32	32	32
PA_Monte	13	15	14	14	15	14	14	14	14	15	14	14	14	14	15
PA_Mon Lirio	5	286	292	291	292	292	293	294	291	291	291	292	293	289	291
PA_OjodeAgua	0	0	35	38	37	37	37	38	37	37	38	37	37	38	38
PA_Pando	17	175	180	179	181	180	182	181	180	180	179	179	181	178	180
PA_PasoAncho	30	34	35	35	36	35	36	36	36	36	35	36	36	35	36
PA_Pedreg2	64	64	62	61	62	60	63	63	62	63	63	63	63	62	63
PA_Pedregal	102	102	99	96	98	95	100	100	99	100	101	100	99	99	100
PA_Perlas N	55	63	63	63	63	63	63	64	63	63	63	64	63	63	63
PA_Perlas S	53	63	63	63	63	63	63	64	63	63	63	64	63	63	63
PA_Planetas1	26	27	27	26	27	26	27	27	27	27	27	26	27	26	27
PA_Planetas2	0	0	21	21	21	21	21	21	21	21	21	21	21	21	21
PA_Potrerill	0	0	0	0	22	23	23	24	23	23	23	23	23	23	24
PA_Prudencia	400	402	404	402	406	403	404	404	404	405	405	405	405	406	407
PA_RemigioR.	0	0	0	0	0	0	39	39	39	39	39	39	39	39	39
PA_RioPiedra	0	0	0	53	53	53	55	54	53	53	53	54	54	54	55
PA_RP490	75	77	79	78	77	76	79	77	78	78	78	78	79	79	77
PA_S.Andres2	0	0	0	0	0	0	0	49	48	48	49	49	49	48	48
PA_SanAndres	0	43	47	47	46	45	46	48	46	47	47	47	48	47	48
PA_Sindigo	0	36	58	56	57	56	56	58	57	56	57	57	58	58	58
PA_Slorenzo	27	47	47	46	46	45	46	47	47	47	47	46	46	46	47
PA_SM 82	0	72	105	102	101	99	102	103	101	102	103	102	103	102	106
PA_StaMaria	0	0	119	116	118	116	120	122	119	119	119	119	119	119	122
PA_Tab II	0	0	0	170	170	167	170	176	170	168	173	170	174	170	174
PA_Tizingal	0	0	21	33	34	33	33	34	34	33	33	33	33	33	33
PA_Valles	136	144	145	138	141	140	144	150	148	149	147	143	150	146	151
PA_Yequada	28	29	28	29	28	29	30	29	29	29	30	28	29	30	29
PA_A.C.P.1	57	78	80	773	815	845	860	853	851	867	867	872	874	874	875
PA_A.C.P.2	109	80	70	271	5	16	2	1	0	0	5	0	4	2	14
PA_A.C.P.3	111	88	80	207	1	5	1	0	0	0	2	0	1	0	6
PA_A.C.P.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PA_A.C.P.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel	222	3	9	1	0	0	0	0	0	0	0	0	0	0	0
Bunker C	1436	694	757	322	220	221	220	220	220	220	220	220	220	220	220
Carbón	659	597	579	790	1410	1757	1983	1821	1856	2155	2303	2477	2528	2567	2578
GNL	0	0	0	0	389	638	1123	705	1160	1487	1986	2725	3544	4841	5813
Solar	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Eólico	19	531	543	540	822	822	819	820	817	1008	1003	1010	1009	1003	1000
Total Hidro.	6385	7879	8867	9997	10185	10329	10495	11605	11913	11923	11933	11995	12165	12083	12267
Total Termo.	2539	1463	1495	1593	2027	2639	3329	2747	3237	3863	4517	5423	6297	7631	8633
Total Solar	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Eólico	19	530	542	540	821	822	819	820	817	1007	1003	1009	1008	1003	999
Total Gen.	8944	9874	10906	12132	13035	13792	14645	15174	15969	16795	17455	18429	19472	20719	21901
Demanda	9083	9856	10792	11265	11920	12610	13332	14173	14979	15815	16683	17592	18539	19631	20777
Import.	157	106	105	48	38	37	34	19	18	19	42	36	28	14	12
Export.	16	125	216	911	1152	1216	1345	1020	1005	998	811	872	960	1101	1135
Def.	6.34	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perdidas	1.23	0.00	2.80	3.65	1.50	2.88	2.71	0.71	2.94	1.12	3.30	1.69	0.81	0.69	0.91