

2017				4.00	4.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			0	H	X			73.676	14.50	0.00	53.81	23.330	0.00	0.000	17.000
2016				5.00	1.00			X	5.00	20,287.56								
2017				20.00	1.00			X	20.00	88,935.20								
2018				10.00	1.00			X	10.00	29,580.14								
2019				15.00	1.00			X	15.00	32,988.46								
21SEA_Genor_B1	NORE	Búnker	SEA			0	H				12.500	12.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				10.00	1.00				0.00	0.00								
2018				20.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			0	H				15.000	15.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			0	H				13.500	13.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			0	H				14.500	14.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			0	H				13.250	13.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA			0	H				14.000	14.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			0	H				14.000	14.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			0	H				25.000	25.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			0	H				132.749	50.00	66.00	62.54	23.330	60.00	6.000	15.000
2016				7.90	1.00				0.00	0.00								
2017				15.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			0	H	X			7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00								
2017				4.00	4.00			X	4.00	0.00								

7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE			0	H			86.932	22.00	62.70	50.99	23.330	57.00	5.700	9.000
2016				20.00	11.00				0.00	0.00							
2017				20.00	15.00				0.00	0.00							
2018				20.00	11.00				0.00	0.00							
2019				20.00	15.00				0.00	0.00							
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE			0	H			95.803	28.00	0.00	57.45	23.330	0.00	0.000	7.000
2016				35.00	10.00				0.00	0.00							
2017				40.00	20.00				0.00	0.00							
2018				29.00	10.00				0.00	0.00							
2019				40.00	20.00				0.00	0.00							
9SEA_Duke_B1	NORE	Búnker	SEA			0	H	X		8.900	8.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00			X	95.50	0.00							
2017				28.00	5.00			X	28.00	0.00							
2018				28.00	5.00			X	0.00	0.00							
2019				28.00	5.00			X	0.00	0.00							

2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			1	H	X			73.676	14.50	0.00	53.81	23.330	0.00	0.000	17.000
2016				5.00	1.00			X	5.00	20,287.56								
2017				20.00	1.00			X	20.00	75,703.53								
2018				10.00	1.00			X	10.00	29,570.26								
2019				15.00	1.00			X	15.00	32,988.46								
21SEA_Genor_B1	NORE	Búnker	SEA			1	H				11.250	11.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				10.00	1.00				0.00	0.00								
2018				20.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			1	H				14.250	14.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			1	H				12.825	12.83	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			1	H				13.775	13.78	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			1	H				12.587	12.59	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA			1	H				13.300	13.30	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			1	H				13.300	13.30	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			1	H				20.000	20.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			1	H				123.172	45.00	60.50	62.54	23.330	55.00	5.500	15.000
2016				7.90	1.00				0.00	0.00								
2017				15.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			1	H	X			7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00								
2017				4.00	4.00			X	4.00	0.00								
2018				4.00	4.00			X	4.00	0.00								

7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE			1	H			82.539	22.00	57.40	47.49	23.330	57.00	0.400	5.500
2016				20.00	11.00				0.00	0.00							
2017				20.00	15.00				0.00	0.00							
2018				20.00	11.00				0.00	0.00							
2019				20.00	15.00				0.00	0.00							
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE			1	H			91.004	27.00	0.00	54.02	23.330	0.00	0.000	3.570
2016				35.00	10.00				0.00	0.00							
2017				40.00	20.00				0.00	0.00							
2018				29.00	10.00				0.00	0.00							
2019				40.00	20.00				0.00	0.00							
9SEA_Duke_B1	NORE	Búnker	SEA			1	H	X		8.900	8.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00			X	90.51	0.00							
2017				28.00	5.00			X	28.00	0.00							
2018				28.00	5.00			X	28.00	0.00							
2019				28.00	5.00			X	0.00	0.00							

2018				1.89	1.89			X	1.89	0.00								
2019				1.89	1.89			X	1.89	0.00								
3SEA_Biomass_B1	RENO	Biomasa	SEA			2	H				17.480	17.48	0.00	0.00	23.330	0.00	0.000	0.000
2016				15.00	0.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
40SEA_Regional_B2	RENO	Hidroeléctricas	SEA			2	H	X			8.500	8.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				3.10	3.10			X	3.10	0.00								
2017				3.10	3.10			X	3.10	0.00								
2018				3.10	3.10			X	3.10	0.00								
2019				3.10	3.10			X	3.10	0.00								
41HidroDCCRenace_B1	RENO	Hidroeléctricas	DCC			2	H				87.347	8.75	67.10	0.00	23.330	61.00	6.100	0.000
2016				15.00	15.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
42SEA_Renace_B2	RENO	Hidroeléctricas	SEA			2	H	X			8.740	8.74	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	10.00			X	10.00	0.00								
2017				0.00	0.00			X	0.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
43HidroDCCRenace_B3	RENO	Hidroeléctricas	DCC			2	H				100.354	7.72	82.50	0.00	23.330	75.00	7.500	0.000
2016				0.00	0.00				0.00	0.00								
2017				15.00	15.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
44EA_Renace_B4	RENO	Hidroeléctricas	SEA			2	H	X			8.700	8.70	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	10.00			X	10.00	0.00								
2017				0.00	0.00			X	0.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
45SEA_Renace_B5	RENO	Hidroeléctricas	SEA			2	H	X			9.500	9.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00								
2017				10.00	10.00			X	10.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
46CarbonOCE_CEG	NORE	Carbón	OCE			2	H				82.810	26.00	0.00	47.19	23.330	0.00	0.000	0.000
2016				14.50	0.00				0.00	0.00								
2017				14.50	0.00				0.00	0.00								
2018				14.50	0.00				0.00	0.00								
2019				14.50	0.00				0.00	0.00								
4SEA_Biomass_B2	RENO	Biomasa	SEA			2	H				17.480	17.48	0.00	0.00	23.330	0.00	0.000	0.000
2016				15.00	0.00				0.00	0.00								
2017				30.00	0.00				0.00	0.00								
2018				30.00	0.00				0.00	0.00								
2019				30.00	0.00				0.00	0.00								
5SEA_SantaAna_B1	RENO	Biomasa	SEA			2	H	X			9.000	9.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				2.00	2.00			X	0.00	0.00								
2017				2.00	2.00			X	2.00	0.00								
2018				2.00	2.00			X	0.00	0.00								
2019				2.00	2.00			X	0.00	0.00								
6SEA_SantaAna_B4	NORE	Carbón	SEA			2	H				16.550	16.55	0.00	0.00	23.330	0.00	0.000	0.000

2016				21.00	15.00				0.00	0.00								
2017				16.00	12.00				0.00	0.00								
2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Bunker-Biomasa	OCE--OCE			2	H	X			75.448	22.00	43.10	47.49	23.330	43.00	0.100	5.500
2016				20.00	11.00			X	0.00	0.00								
2017				20.00	15.00			X	0.00	0.00								
2018				20.00	11.00			X	0.00	0.00								
2019				20.00	15.00			X	15.00	74,584.08								
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE			2	H				83.639	23.50	0.00	51.45	23.330	0.00	0.000	1.000
2016				35.00	10.00				0.00	0.00								
2017				40.00	20.00				0.00	0.00								
2018				29.00	10.00				0.00	0.00								
2019				40.00	20.00				0.00	0.00								
9SEA_Duke_B1	NORE	Bunker	SEA			2	H	X			8.900	8.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00			X	66.51	0.00								
2017				28.00	5.00			X	28.00	0.00								
2018				28.00	5.00			X	28.00	0.00								
2019				28.00	5.00			X	0.00	0.00								

2018				2.00	2.00				0.00	0.00								
2019				2.00	2.00				0.00	0.00								
6SEA_SantaAna_B4	NORE	Carbón	SEA			3	H				14.880	14.88	0.00	0.00	23.330	0.00	0.000	0.000
2016				21.00	15.00				0.00	0.00								
2017				16.00	12.00				0.00	0.00								
2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE			3	H				75.448	22.00	43.10	47.49	23.330	43.00	0.100	5.500
2016				20.00	11.00				0.00	0.00								
2017				20.00	15.00				0.00	0.00								
2018				20.00	11.00				0.00	0.00								
2019				20.00	15.00				0.00	0.00								
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE			3	H				75.266	18.11	0.00	50.46	23.330	0.00	0.000	0.010
2016				35.00	10.00				0.00	0.00								
2017				40.00	20.00				0.00	0.00								
2018				29.00	10.00				0.00	0.00								
2019				40.00	20.00				0.00	0.00								
9SEA_Duke_B1	NORE	Búnker	SEA			3	H	X			8.900	8.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00			X	24.51	0.00								
2017				28.00	5.00			X	9.01	0.00								
2018				28.00	5.00			X	0.00	0.00								
2019				28.00	5.00			X	0.00	0.00								

2017				4.00	4.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE				4	H			73.676	14.50	0.00	53.81	23.330	0.00	0.000	17.000
2016				5.00	1.00				0.00	0.00								
2017				20.00	1.00				0.00	0.00								
2018				10.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA				4	H			8.950	8.95	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				10.00	1.00				0.00	0.00								
2018				20.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA				4	H			10.619	10.62	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA				4	H			9.450	9.45	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA				4	H			10.264	10.26	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA				4	H			10.422	10.42	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA				4	H			9.910	9.91	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA				4	H			9.910	9.91	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA				4	H			12.150	12.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker-Biomasa	OCE-OCE				4	H			85.491	28.00	33.00	61.04	23.330	30.00	3.000	13.500
2016				7.90	1.00				0.00	0.00								
2017				15.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA				4	H	X		7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				X	0.00	0.00							
2017				4.00	4.00				X	4.00	0.00							
2018				4.00	4.00				X	4.00	0.00							

2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE			4	H	X			67.018	22.00	26.10	47.49	23.330	26.00	0.100	5.500
2016				20.00	11.00			X	20.00	105,877.78								
2017				20.00	15.00			X	20.00	109,276.95								
2018				20.00	11.00			X	13.22	68,510.10								
2019				20.00	15.00			X	20.00	105,548.19								
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE			4	H	X			67.731	12.61	0.00	50.46	23.330	0.00	0.000	0.010
2016				35.00	10.00			X	13.61	54,390.39								
2017				40.00	20.00			X	40.00	189,077.69								
2018				29.00	10.00			X	0.00	0.00								
2019				40.00	20.00			X	20.00	69,711.73								
9SEA_Duke_B1	NORE	Búnker	SEA			4	H	X			8.900	8.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00			X	16.51	0.00								
2017				28.00	5.00			X	0.00	0.00								
2018				28.00	5.00			X	0.00	0.00								
2019				28.00	5.00			X	0.00	0.00								

2017				4.00	4.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			5	H	X			66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000
2016				5.00	1.00			X	0.00	0.00								
2017				20.00	1.00			X	20.00	36.395.34								
2018				10.00	1.00			X	10.00	22.217.61								
2019				15.00	1.00			X	0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA			5	H	X			8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			X	5.00	0.00								
2017				10.00	1.00			X	10.00	0.00								
2018				20.00	1.00			X	20.00	0.00								
2019				15.00	1.00			X	1.50	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			5	H				9.557	9.56	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			5	H	X			8.504	8.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			X	5.00	0.00								
2017				5.00	1.00			X	5.00	0.00								
2018				5.00	1.00			X	1.50	0.00								
2019				5.00	1.00			X	0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			5	H				9.237	9.24	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			5	H				9.379	9.38	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA			5	H				8.919	8.92	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			5	H				8.919	8.92	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			5	H				10.935	10.94	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			5	H				76.866	22.50	30.80	61.04	23.330	28.00	2.800	13.500
2016				7.90	1.00				0.00	0.00								
2017				15.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			5	H	X			7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000

2016				0.00	0.00		X	0.00	0.00								
2017				4.00	4.00		X	4.00	0.00								
2018				4.00	4.00		X	4.00	0.00								
2019				4.00	4.00		X	4.00	0.00								
30HidroDCChidrotama_B1	RENO	Hidroeléctricas	DCC			5	NHR			73.453	10.03	54.00	0.00	23.330	50.00	4.000	0.000
2016				15.00	2.00			0.00	0.00								
2017				15.00	2.00			0.00	0.00								
2018				15.00	2.00			0.00	0.00								
2019				15.00	2.00			0.00	0.00								
31SEA_Hidrotama_B2	RENO	Hidroeléctricas	SEA			5	H	X		8.200	8.20	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	2.00			X	10.00	0.00							
2017				10.00	2.00			X	10.00	0.00							
2018				10.00	2.00			X	10.00	0.00							
2019				10.00	2.00			X	0.00	0.00							
32SEA_INDE	RENO	Hidroeléctricas	SEA			5	H			8.900	8.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				41.00	0.00				0.00	0.00							
2017				41.00	0.00				0.00	0.00							
2018				41.00	0.00				0.00	0.00							
2019				41.00	0.00				0.00	0.00							
33ixtaBunkerOCE_LaUnion	MIXTA	Búnker--Biomasa	OCE--OCE			5	H			73.076	28.19	16.50	52.13	23.330	15.00	1.500	13.960
2016				19.00	0.00				0.00	0.00							
2017				34.00	0.00				0.00	0.00							
2018				34.00	0.00				0.00	0.00							
2019				34.00	0.00				0.00	0.00							
34MixtaBunkerOCE_Magdalena_B1	MIXTA	Búnker--Biomasa	OCE--OCE			5	H	X		68.059	13.00	44.00	56.47	23.330	40.00	4.000	5.000
2016				15.00	0.00			X	7.61	39,859.70							
2017				15.00	0.00			X	15.00	77,728.49							
2018				15.00	0.00			X	14.63	74,389.25							
2019				15.00	0.00			X	15.00	70,778.12							
35SEA_Magdalena_B2	RENO	Biomasa	SEA			5	H	X		8.000	8.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				42.00	0.00			X	42.00	0.00							
2017				42.00	0.00			X	42.00	0.00							
2018				42.00	0.00			X	42.00	0.00							
2019				42.00	0.00			X	42.00	0.00							
36SEA_Oxoc	RENO	Hidroeléctricas	SEA			5	H	X		7.250	7.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				8.00	8.00			X	8.00	0.00							
2017				8.00	8.00			X	8.00	0.00							
2018				8.00	8.00			X	8.00	0.00							
2019				8.00	5.00			X	8.00	0.00							
37SEA_PQP_B1	NORE	Búnker	SEA			5	H	X		8.845	8.85	0.00	0.00	23.330	0.00	0.000	0.000
2016				6.00	0.00			X	2.51	0.00							
2017				20.00	0.00			X	8.01	0.00							
2018				50.00	0.00			X	0.00	0.00							
2019				41.00	0.00			X	0.00	0.00							
38BunkerOCE_PQP_B2	NORE	Búnker	OCE			5	H	X		64.590	9.76	0.00	51.22	23.330	0.00	0.000	13.000
2016				11.00	0.00			X	11.00	42,335.22							
2017				40.00	0.00			X	40.00	177,673.10							
2018				0.00	0.00			X	0.00	0.00							
2019				19.00	0.00			X	17.64	36,513.56							
39SEA_Regional_B1	RENO	Hidroeléctricas	SEA			5	H	X		8.500	8.50	0.00	0.00	23.330	0.00	0.000	0.000

2019				0.00	0.00			0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			6	H			66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000
2016				5.00	1.00			0.00	0.00								
2017				20.00	1.00			0.00	0.00								
2018				10.00	1.00			0.00	0.00								
2019				15.00	1.00			0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA			6	H			8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				10.00	1.00			0.00	0.00								
2018				20.00	1.00			0.00	0.00								
2019				15.00	1.00			0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			6	H			8.601	8.60	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			6	H			8.504	8.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			6	H			8.313	8.31	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			6	H			8.441	8.44	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA			6	H			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			6	H			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			6	H			9.750	9.75	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				0.00	0.00			0.00	0.00								
2019				0.00	0.00			0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			6	H	X		62.508	16.20	19.25	61.04	23.330	17.50	1.750	13.500
2016				7.90	1.00			X	7.90	41,474.00							
2017				15.00	1.00			X	15.00	75,166.49							
2018				0.00	0.00			X	0.00	0.00							
2019				0.00	0.00			X	0.00	0.00							
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			6	H	X		7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00							
2017				4.00	4.00			X	4.00	0.00							
2018				4.00	4.00			X	4.00	0.00							
2019				4.00	4.00			X	4.00	0.00							

RONDA 8

Planta	Tecnología	Combustible	Contrato	PGMx MW	PGMn MW	Nro	Estad o	Sei	Potencia a contratar MW	Energía MWh	Monómico USD/MW h	PPG USD/kW/ mes	PEOr USD/MW h	PEOnr USD/MW h	CITT USD/M Wh	PEOr* USD/MW h	O&Mr USD/MW h	O&Mnr USD/MW h
10BunkerOCE_Duke_B2	NORE	Búnker	OCE			8	H	X			62.771	6.50	0.00	53.87	23.330	0.00	0.000	16.810
2016				35.00	5.00			X	5.00	17,914.90								
2017				29.00	5.00			X	29.00	67,377.60								
2018				29.00	5.00			X	9.96	19,848.23								
2019				29.00	5.00			X	12.40	13,793.40								
12SEA_ElectroG_B2	NORE	Búnker	SEA			8	H				7.550	7.55	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				25.00	25.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
13CarbonOCE_ElectroG_B3	NORE	Carbón	OCE			8	NHR				85.081	24.80	0.00	51.11	23.330	0.00	0.000	5.000
2016				0.00	0.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				20.00	20.00				0.00	0.00								
2019				20.00	20.00				0.00	0.00								
14HidroDCCOcosito	RENO	Hidroeléctricas	DCC			8	NHUR				63.597	6.20	50.45	0.00	23.330	50.45	0.000	0.000
2016				2.95	0.50				0.00	0.00								
2017				5.00	0.50				0.00	0.00								
2018				2.05	0.50				0.00	0.00								
2019				3.85	0.50				0.00	0.00								
15SEA_Genepal	RENO	Hidroeléctricas	SEA			8	H				7.912	7.91	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				12.00	2.00				0.00	0.00								
2018				12.00	2.00				0.00	0.00								
2019				12.00	2.00				0.00	0.00								
16SEA_GenOccidente_B1	RENO	Hidroeléctricas	SEA			8	H				7.550	7.55	0.00	0.00	23.330	0.00	0.000	0.000
2016				7.50	1.00				0.00	0.00								
2017				2.00	2.00				0.00	0.00								
2018				2.50	2.50				0.00	0.00								
2019				2.50	2.50				0.00	0.00								
17HidroDCCGenOccidente_B2	RENO	Hidroeléctricas	DCC			8	H				57.722	8.00	39.05	0.00	23.330	35.50	3.550	0.000
2016				15.00	1.00				0.00	0.00								
2017				8.00	1.00				0.00	0.00								
2018				20.00	1.00				0.00	0.00								
2019				20.00	1.00				0.00	0.00								
18SEA_Montecristo_B1	RENO	Hidroeléctricas	SEA			8	H				7.900	7.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				4.00	4.00				0.00	0.00								
2017				4.00	4.00				0.00	0.00								
2018				4.00	4.00				0.00	0.00								
2019				4.00	4.00				0.00	0.00								
19HidroDCCMontecristo_B2	RENO	Hidroeléctricas	DCC			8	H				59.566	7.70	42.60	0.00	23.330	38.73	3.870	0.000
2016				8.50	1.00				0.00	0.00								
2017				8.50	1.00				0.00	0.00								
2018				8.50	1.00				0.00	0.00								
2019				8.50	1.00				0.00	0.00								
1HidroDCCPolochic	RENO	Hidroeléctricas	DCC			8	NHR				63.679	8.00	48.29	0.00	23.330	43.90	4.390	0.000
2016				4.00	4.00				0.00	0.00								
2017				4.00	4.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			8	NHR				66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000

2017				15.00	2.00				0.00	0.00								
2018				15.00	2.00				0.00	0.00								
2019				15.00	2.00				0.00	0.00								
31SEA_Hidrotama_B2	RENO	Hidroeléctricas	SEA			8	H	X			7.400	7.40	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	2.00			X	10.00	0.00								
2017				10.00	2.00			X	10.00	0.00								
2018				10.00	2.00			X	10.00	0.00								
2019				10.00	2.00			X	5.00	0.00								
32SEA_INDE	RENO	Hidroeléctricas	SEA			8	H	X			7.500	7.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				41.00	0.00			X	0.00	0.00								
2017				41.00	0.00			X	41.00	0.00								
2018				41.00	0.00			X	16.00	0.00								
2019				41.00	0.00			X	0.00	0.00								
33ixtaBunkerOCE_LaUnion	MIXTA	Búnker-Biomasa	OCE-OCE			8	H	X			62.001	20.11	16.50	52.13	23.330	15.00	1.500	13.960
2016				19.00	0.00			X	0.00	0.00								
2017				34.00	0.00			X	32.91	186,940.83								
2018				34.00	0.00			X	9.88	55,851.13								
2019				34.00	0.00			X	26.60	145,450.06								
34MixtaBunkerOCE_Magdalena_B1	MIXTA	Búnker-Biomasa	OCE-OCE			8	H	X			62.574	13.00	33.00	56.47	23.330	30.00	3.000	5.000
2016				15.00	0.00			X	7.10	28,786.42								
2017				15.00	0.00			X	15.00	70,791.31								
2018				15.00	0.00			X	9.16	43,355.64								
2019				15.00	0.00			X	15.00	63,219.15								
35SEA_Magdalena_B2	RENO	Biomasa	SEA			8	H	X			7.500	7.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				42.00	0.00			X	0.00	0.00								
2017				42.00	0.00			X	40.00	0.00								
2018				42.00	0.00			X	0.00	0.00								
2019				42.00	0.00			X	0.00	0.00								
36SEA_Oxec	RENO	Hidroeléctricas	SEA			8	H	X			7.250	7.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				8.00	8.00			X	8.00	0.00								
2017				8.00	8.00			X	8.00	0.00								
2018				8.00	8.00			X	8.00	0.00								
2019				8.00	5.00			X	8.00	0.00								
37SEA_POP_B1	NORE	Búnker	SEA			8	H	X			7.365	7.37	0.00	0.00	23.330	0.00	0.000	0.000
2016				6.00	0.00			X	6.00	0.00								
2017				20.00	0.00			X	20.00	0.00								
2018				50.00	0.00			X	50.00	0.00								
2019				41.00	0.00			X	41.00	0.00								
38BunkerOCE_POP_B2	NORE	Búnker	OCE			8	H	X			61.358	7.40	0.00	51.22	23.330	0.00	0.000	13.000
2016				11.00	0.00			X	0.00	0.00								
2017				40.00	0.00			X	10.09	42,105.14								
2018				0.00	0.00			X	0.00	0.00								
2019				19.00	0.00			X	0.00	0.00								
39SEA_Regional_B1	RENO	Hidroeléctricas	SEA			8	H				7.720	7.72	0.00	0.00	23.330	0.00	0.000	0.000
2016				1.89	1.89				0.00	0.00								
2017				1.89	1.89				0.00	0.00								
2018				1.89	1.89				0.00	0.00								
2019				1.89	1.89				0.00	0.00								
3SEA_Biomass_B1	RENO	Biomasa	SEA			8	H				10.021	10.02	0.00	0.00	23.330	0.00	0.000	0.000
2016				15.00	0.00				0.00	0.00								

2017				0.00	0.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
40SEA_Regional_B2	RENO	Hidroeléctricas	SEA			8	H				7.500	7.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				3.10	3.10				0.00	0.00								
2017				3.10	3.10				0.00	0.00								
2018				3.10	3.10				0.00	0.00								
2019				3.10	3.10				0.00	0.00								
41HidroDCCRenace_B1	RENO	Hidroeléctricas	DCC			8	H	X			61.126	5.50	48.40	0.00	23.330	44.00	4.400	0.000
2016				15.00	15.00			X	15.00	77.785.93								
2017				0.00	0.00			X	0.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
42SEA_Renace_B2	RENO	Hidroeléctricas	SEA			8	H				7.638	7.64	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	10.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
43HidroDCCRenace_B3	RENO	Hidroeléctricas	DCC			8	H				63.855	5.55	51.02	0.00	23.330	46.39	4.630	0.000
2016				0.00	0.00				0.00	0.00								
2017				15.00	15.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
44EA_Renace_B4	RENO	Hidroeléctricas	SEA			8	H				7.750	7.75	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	10.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
45SEA_Renace_B5	RENO	Hidroeléctricas	SEA			8	H	X			7.400	7.40	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00								
2017				10.00	10.00			X	10.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
46CarbonOCE_CEG	NORE	Carbón	OCE			8	H				59.522	9.00	0.00	47.19	23.330	0.00	0.000	0.000
2016				14.50	0.00				0.00	0.00								
2017				14.50	0.00				0.00	0.00								
2018				14.50	0.00				0.00	0.00								
2019				14.50	0.00				0.00	0.00								
4SEA_Biomass_B2	RENO	Biomasa	SEA			8	H				10.021	10.02	0.00	0.00	23.330	0.00	0.000	0.000
2016				15.00	0.00				0.00	0.00								
2017				30.00	0.00				0.00	0.00								
2018				30.00	0.00				0.00	0.00								
2019				30.00	0.00				0.00	0.00								
5SEA_SantaAna_B1	RENO	Biomasa	SEA			8	H	X			7.340	7.34	0.00	0.00	23.330	0.00	0.000	0.000
2016				2.00	2.00			X	2.00	0.00								
2017				2.00	2.00			X	2.00	0.00								
2018				2.00	2.00			X	2.00	0.00								
2019				2.00	2.00			X	2.00	0.00								
6SEA_SantaAna_B4	NORE	Carbón	SEA			8	H				9.420	9.42	0.00	0.00	23.330	0.00	0.000	0.000
2016				21.00	15.00				0.00	0.00								
2017				16.00	12.00				0.00	0.00								
2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker-Biomasa	OCE-OCE			8	H				61.560	20.55	19.10	47.49	23.330	19.00	0.100	5.500

2016				20.00	11.00				0.00	0.00								
2017				20.00	15.00				0.00	0.00								
2018				20.00	11.00				0.00	0.00								
2019				20.00	15.00				0.00	0.00								
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE				8	NHR			67.731	12.61	0.00	50.46	23.330	0.00	0.000	0.010
2016				35.00	10.00				0.00	0.00								
2017				40.00	20.00				0.00	0.00								
2018				29.00	10.00				0.00	0.00								
2019				40.00	20.00				0.00	0.00								
9SEA_Duke_B1	NORE	Búnker	SEA				8	H	X		7.500	7.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00				X	85.00	0.00							
2017				28.00	5.00				X	0.00	0.00							
2018				28.00	5.00				X	0.00	0.00							
2019				28.00	5.00				X	0.00	0.00							

2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			9	NHR				66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000
2016				5.00	1.00				0.00	0.00								
2017				20.00	1.00				0.00	0.00								
2018				10.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA			9	NHR				8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				10.00	1.00				0.00	0.00								
2018				20.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
22SEA_Genos_a_B1	NORE	Búnker	SEA			9	H				7.516	7.52	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
23SEA_Genos_a_B2	NORE	Búnker	SEA			9	H	X			7.430	7.43	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			X	1.00	0.00								
2017				5.00	1.00			X	0.00	0.00								
2018				5.00	1.00			X	0.00	0.00								
2019				5.00	1.00			X	0.00	0.00								
24SEA_Genos_a_B3	NORE	Búnker	SEA			9	H	X			7.264	7.26	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			X	5.00	0.00								
2017				5.00	1.00			X	5.00	0.00								
2018				5.00	1.00			X	5.00	0.00								
2019				5.00	1.00			X	1.00	0.00								
25SEA_Genos_a_B4	NORE	Búnker	SEA			9	H	X			7.376	7.38	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			X	5.00	0.00								
2017				5.00	1.00			X	5.00	0.00								
2018				5.00	1.00			X	0.00	0.00								
2019				5.00	1.00			X	0.00	0.00								
26SEA_Genos_a_B5	NORE	Búnker	SEA			9	NHR				8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
27SEA_Genos_a_B6	NORE	Búnker	SEA			9	NHR				8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			9	H				7.750	7.75	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			9	H	X			62.508	16.20	19.25	61.04	23.330	17.50	1.750	13.500
2016				7.90	1.00			X	7.90	38,269.65								
2017				15.00	1.00			X	15.00	73,242.21								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			9	H	X			7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000

2016				0.00	0.00			X	0.00	0.00								
2017				4.00	4.00			X	4.00	0.00								
2018				4.00	4.00			X	4.00	0.00								
2019				4.00	4.00			X	4.00	0.00								
30HidroDCCHidrotama_B1	RENO	Hidroeléctricas	DCC			9	NHR				73.453	10.03	54.00	0.00	23.330	50.00	4.000	0.000
2016				15.00	2.00				0.00	0.00								
2017				15.00	2.00				0.00	0.00								
2018				15.00	2.00				0.00	0.00								
2019				15.00	2.00				0.00	0.00								
31SEA_Hidrotama_B2	RENO	Hidroeléctricas	SEA			9	H	X			7.400	7.40	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	2.00			X	9.51	0.00								
2017				10.00	2.00			X	7.01	0.00								
2018				10.00	2.00			X	0.00	0.00								
2019				10.00	2.00			X	0.00	0.00								
32SEA_INDE	RENO	Hidroeléctricas	SEA			9	H				7.500	7.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				41.00	0.00				0.00	0.00								
2017				41.00	0.00				0.00	0.00								
2018				41.00	0.00				0.00	0.00								
2019				41.00	0.00				0.00	0.00								
33ixtaBunkerOCE_LaUnion	MIXTA	Búnker--Biomasa	OCE--OCE			9	H	X			60.487	19.00	16.50	52.13	23.330	15.00	1.500	13.960
2016				19.00	0.00			X	13.92	77,811.68								
2017				34.00	0.00			X	34.00	186,200.09								
2018				34.00	0.00			X	13.24	68,650.76								
2019				34.00	0.00			X	26.37	135,234.65								
34MixtaBunkerOCE_Magdalena_B1	MIXTA	Búnker--Biomasa	OCE--OCE			9	H	X			62.574	13.00	33.00	56.47	23.330	30.00	3.000	5.000
2016				15.00	0.00			X	0.00	0.00								
2017				15.00	0.00			X	5.91	27,661.65								
2018				15.00	0.00			X	0.00	0.00								
2019				15.00	0.00			X	0.00	0.00								
35SEA_Magdalena_B2	RENO	Biomasa	SEA			9	H	X			7.000	7.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				42.00	0.00			X	42.00	0.00								
2017				42.00	0.00			X	42.00	0.00								
2018				42.00	0.00			X	42.00	0.00								
2019				42.00	0.00			X	42.00	0.00								
36SEA_Oxec	RENO	Hidroeléctricas	SEA			9	H	X			7.250	7.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				8.00	8.00			X	8.00	0.00								
2017				8.00	8.00			X	8.00	0.00								
2018				8.00	8.00			X	8.00	0.00								
2019				8.00	5.00			X	7.40	0.00								
37SEA_POP_B1	NORE	Búnker	SEA			9	H	X			7.365	7.37	0.00	0.00	23.330	0.00	0.000	0.000
2016				6.00	0.00			X	6.00	0.00								
2017				20.00	0.00			X	20.00	0.00								
2018				50.00	0.00			X	21.51	0.00								
2019				41.00	0.00			X	0.00	0.00								
38BunkerOCE_POP_B2	NORE	Búnker	OCE			9	H	X			61.080	7.20	0.00	51.22	23.330	0.00	0.000	13.000
2016				11.00	0.00			X	0.00	0.00								
2017				40.00	0.00			X	10.63	38,805.81								
2018				0.00	0.00			X	0.00	0.00								
2019				19.00	0.00			X	0.00	0.00								
39SEA_Regional_B1	RENO	Hidroeléctricas	SEA			9	H	X			7.300	7.30	0.00	0.00	23.330	0.00	0.000	0.000

2018				2.00	2.00			X	2.00	0.00								
2019				2.00	2.00			X	0.00	0.00								
6SEA_SantaAna_B4	NORE	Carbón	SEA				9 H				8.930	8.93	0.00	0.00	23.330	0.00	0.000	0.000
2016				21.00	15.00				0.00	0.00								
2017				16.00	12.00				0.00	0.00								
2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE				9 H				58.359	20.20	19.10	42.09	23.330	19.00	0.100	0.100
2016				20.00	11.00				0.00	0.00								
2017				20.00	15.00				0.00	0.00								
2018				20.00	11.00				0.00	0.00								
2019				20.00	15.00				0.00	0.00								
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE				9 NHR				67.731	12.61	0.00	50.46	23.330	0.00	0.000	0.010
2016				35.00	10.00				0.00	0.00								
2017				40.00	20.00				0.00	0.00								
2018				29.00	10.00				0.00	0.00								
2019				40.00	20.00				0.00	0.00								
9SEA_Duke_B1	NORE	Búnker	SEA				9 H				7.500	7.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00				0.00	0.00								
2017				28.00	5.00				0.00	0.00								
2018				28.00	5.00				0.00	0.00								
2019				28.00	5.00				0.00	0.00								

2018				0.00	0.00			0.00	0.00								
2019				0.00	0.00			0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			10	NHR			66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000
2016				5.00	1.00			0.00	0.00								
2017				20.00	1.00			0.00	0.00								
2018				10.00	1.00			0.00	0.00								
2019				15.00	1.00			0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA			10	NHR			8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				10.00	1.00			0.00	0.00								
2018				20.00	1.00			0.00	0.00								
2019				15.00	1.00			0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			10	NHUR			7.516	7.52	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			10	H			7.390	7.39	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			10	H			7.263	7.26	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			10	H			7.376	7.38	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA			10	NHR			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			10	NHR			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			10	H			7.430	7.43	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				0.00	0.00			0.00	0.00								
2019				0.00	0.00			0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			10	H	X		62.508	16.20	19.25	61.04	23.330	17.50	1.750	13.500
2016				7.90	1.00			X	7.90	49.236.75							
2017				15.00	1.00			X	15.00	73.242.21							
2018				0.00	0.00			X	0.00	0.00							
2019				0.00	0.00			X	0.00	0.00							
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			10	H	X		7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00							
2017				4.00	4.00			X	4.00	0.00							
2018				4.00	4.00			X	0.00	0.00							

2019				4.00	4.00		X	0.00	0.00									
30HidroDCC	RENO	Hidroeléctricas	DCC			10	NHR			73.453	10.03	54.00	0.00	23.330	50.00	4.000	0.000	
2016				15.00	2.00			0.00	0.00									
2017				15.00	2.00			0.00	0.00									
2018				15.00	2.00			0.00	0.00									
2019				15.00	2.00			0.00	0.00									
31SEA_Hidrotama_B2	RENO	Hidroeléctricas	SEA			10	H			7.400	7.40	0.00	0.00	23.330	0.00	0.000	0.000	
2016				10.00	2.00			0.00	0.00									
2017				10.00	2.00			0.00	0.00									
2018				10.00	2.00			0.00	0.00									
2019				10.00	2.00			0.00	0.00									
32SEA_INDE	RENO	Hidroeléctricas	SEA			10	H	X		7.000	7.00	0.00	0.00	23.330	0.00	0.000	0.000	
2016				41.00	0.00			X	41.00	0.00								
2017				41.00	0.00			X	41.00	0.00								
2018				41.00	0.00			X	41.00	0.00								
2019				41.00	0.00			X	41.00	0.00								
33IxtaBunkerOCE_LaUnion	MIXTA	Búnker--Biomasa	OCE--OCE			10	H	X		60.076	18.70	16.50	52.13	23.330	15.00	1.500	13.960	
2016				19.00	0.00			X	0.00	0.00								
2017				34.00	0.00			X	34.00	186,200.09								
2018				34.00	0.00			X	12.94	68,931.93								
2019				34.00	0.00			X	25.23	141,469.13								
34MixtaBunkerOCE_Magdalena_B1	MIXTA	Búnker--Biomasa	OCE--OCE			10	H	X		61.204	12.00	33.00	56.47	23.330	30.00	3.000	5.000	
2016				15.00	0.00			X	0.00	0.00								
2017				15.00	0.00			X	15.00	65,826.61								
2018				15.00	0.00			X	4.23	18,847.47								
2019				15.00	0.00			X	11.03	46,829.50								
35SEA_Magdalena_B2	RENO	Biomasa	SEA			10	H	X		7.000	7.00	0.00	0.00	23.330	0.00	0.000	0.000	
2016				42.00	0.00			X	42.00	0.00								
2017				42.00	0.00			X	42.00	0.00								
2018				42.00	0.00			X	42.00	0.00								
2019				42.00	0.00			X	19.00	0.00								
36SEA_Oxec	RENO	Hidroeléctricas	SEA			10	H			7.250	7.25	0.00	0.00	23.330	0.00	0.000	0.000	
2016				8.00	8.00				0.00	0.00								
2017				8.00	8.00				0.00	0.00								
2018				8.00	8.00				0.00	0.00								
2019				8.00	5.00				0.00	0.00								
37SEA_POP_B1	NORE	Búnker	SEA			10	H	X		7.217	7.22	0.00	0.00	23.330	0.00	0.000	0.000	
2016				6.00	0.00			X	0.00	0.00								
2017				20.00	0.00			X	0.00	0.00								
2018				50.00	0.00			X	1.40	0.00								
2019				41.00	0.00			X	0.00	0.00								
38BunkerOCE_POP_B2	NORE	Búnker	OCE			10	H	X		60.879	7.05	0.00	51.22	23.330	0.00	0.000	13.000	
2016				11.00	0.00			X	0.00	0.00								
2017				40.00	0.00			X	1.54	5,347.59								
2018				0.00	0.00			X	0.00	0.00								
2019				19.00	0.00			X	0.00	0.00								
39SEA_Regional_B1	RENO	Hidroeléctricas	SEA			10	H			7.300	7.30	0.00	0.00	23.330	0.00	0.000	0.000	
2016				1.89	1.89				0.00	0.00								
2017				1.89	1.89				0.00	0.00								
2018				1.89	1.89				0.00	0.00								
2019				1.89	1.89				0.00	0.00								

7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE			10	H			56.003	18.48	19.10	42.09	23.330	19.00	0.100	0.100
2016				20.00	11.00				0.00	0.00							
2017				20.00	15.00				0.00	0.00							
2018				20.00	11.00				0.00	0.00							
2019				20.00	15.00				0.00	0.00							
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE			10	NHR			67.731	12.61	0.00	50.46	23.330	0.00	0.000	0.010
2016				35.00	10.00				0.00	0.00							
2017				40.00	20.00				0.00	0.00							
2018				29.00	10.00				0.00	0.00							
2019				40.00	20.00				0.00	0.00							
9SEA_Duke_B1	NORE	Búnker	SEA			10	H	X		7.200	7.20	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00			X	17.40	0.00							
2017				28.00	5.00			X	17.90	0.00							
2018				28.00	5.00			X	0.00	0.00							
2019				28.00	5.00			X	0.00	0.00							

2017				4.00	4.00				0.00	0.00								
2018				4.00	4.00				0.00	0.00								
2019				4.00	4.00				0.00	0.00								
30HidroDCCHidrotama_B1	RENO	Hidroeléctricas	DCC			12	NHR				73.453	10.03	54.00	0.00	23.330	50.00	4.000	0.000
2016				15.00	2.00				0.00	0.00								
2017				15.00	2.00				0.00	0.00								
2018				15.00	2.00				0.00	0.00								
2019				15.00	2.00				0.00	0.00								
31SEA_Hidrotama_B2	RENO	Hidroeléctricas	SEA			12	H	X			6.800	6.80	0.00	0.00	23.330	0.00	0.000	0.000
2016				10.00	2.00			X	10.00	0.00								
2017				10.00	2.00			X	10.00	0.00								
2018				10.00	2.00			X	10.00	0.00								
2019				10.00	2.00			X	10.00	0.00								
32SEA_INDE	RENO	Hidroeléctricas	SEA			12	H	X			7.000	7.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				41.00	0.00			X	0.00	0.00								
2017				41.00	0.00			X	41.00	0.00								
2018				41.00	0.00			X	0.00	0.00								
2019				41.00	0.00			X	0.00	0.00								
33IxtaBunkerOCE_LaUnion	MIXTA	Búnker-Biomasa	OCE--OCE			12	H	X			59.117	18.00	16.50	52.13	23.330	15.00	1.500	13.960
2016				19.00	0.00			X	15.67	86,454.71								
2017				34.00	0.00			X	34.00	186,200.09								
2018				34.00	0.00			X	18.82	98,265.59								
2019				34.00	0.00			X	34.00	179,062.71								
34MixtaBunkerOCE_Magdalena_B1	MIXTA	Búnker-Biomasa	OCE--OCE			12	H	X			61.199	12.00	33.00	56.46	23.330	30.00	3.000	4.990
2016				15.00	0.00			X	0.00	0.00								
2017				15.00	0.00			X	9.20	42,125.40								
2018				15.00	0.00			X	0.22	941.19								
2019				15.00	0.00			X	4.88	19,645.37								
35SEA_Magdalena_B2	RENO	Biomasa	SEA			12	H	X			7.000	7.00	0.00	0.00	23.330	0.00	0.000	0.000
2016				42.00	0.00			X	0.00	0.00								
2017				42.00	0.00			X	1.01	0.00								
2018				42.00	0.00			X	0.00	0.00								
2019				42.00	0.00			X	0.00	0.00								
36SEA_Oxec	RENO	Hidroeléctricas	SEA			12	H	X			6.600	6.60	0.00	0.00	23.330	0.00	0.000	0.000
2016				8.00	8.00			X	8.00	0.00								
2017				8.00	8.00			X	8.00	0.00								
2018				8.00	8.00			X	8.00	0.00								
2019				8.00	5.00			X	8.00	0.00								
37SEA_PQP_B1	NORE	Búnker	SEA			12	H	X			6.857	6.86	0.00	0.00	23.330	0.00	0.000	0.000
2016				6.00	0.00			X	6.00	0.00								
2017				20.00	0.00			X	20.00	0.00								
2018				50.00	0.00			X	49.51	0.00								
2019				41.00	0.00			X	24.51	0.00								
38BunkerOCE_PQP_B2	NORE	Búnker	OCE			12	H	X			60.126	6.50	0.00	51.22	23.330	0.00	0.000	13.000
2016				11.00	0.00			X	0.00	0.00								
2017				40.00	0.00			X	35.80	97,172.03								
2018				0.00	0.00			X	0.00	0.00								
2019				19.00	0.00			X	0.62	455.11								
39SEA_Regional_B1	RENO	Hidroeléctricas	SEA			12	H	X			6.726	6.73	0.00	0.00	23.330	0.00	0.000	0.000

2019				0.00	0.00			0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			13	NHR			66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000
2016				5.00	1.00			0.00	0.00								
2017				20.00	1.00			0.00	0.00								
2018				10.00	1.00			0.00	0.00								
2019				15.00	1.00			0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA			13	NHR			8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				10.00	1.00			0.00	0.00								
2018				20.00	1.00			0.00	0.00								
2019				15.00	1.00			0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			13	NHR			7.516	7.52	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			13	H			6.810	6.81	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			13	H			6.972	6.97	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			13	H	X		6.796	6.80	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			X	0.00	0.00							
2017				5.00	1.00			X	4.11	0.00							
2018				5.00	1.00			X	0.00	0.00							
2019				5.00	1.00			X	0.00	0.00							
26SEA_Genosa_B5	NORE	Búnker	SEA			13	NHR			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			13	NHR			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				5.00	1.00			0.00	0.00								
2019				5.00	1.00			0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			13	H			6.900	6.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			0.00	0.00								
2017				5.00	1.00			0.00	0.00								
2018				0.00	0.00			0.00	0.00								
2019				0.00	0.00			0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			13	H	X		62.508	16.20	19.25	61.04	23.330	17.50	1.750	13.500
2016				7.90	1.00			X	7.90	37,507.30							
2017				15.00	1.00			X	15.00	73,242.21							
2018				0.00	0.00			X	0.00	0.00							
2019				0.00	0.00			X	0.00	0.00							
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			13	H	X		6.700	6.70	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00			X	0.00	0.00							
2017				4.00	4.00			X	4.00	0.00							
2018				4.00	4.00			X	4.00	0.00							

2017				16.00	12.00				0.00	0.00								
2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker-Biomasa	OCE--OCE				13	NHR			56.003	18.48	19.10	42.09	23.330	19.00	0.100	0.100
2016				20.00	11.00				0.00	0.00								
2017				20.00	11.00				0.00	0.00								
2018				20.00	15.00				0.00	0.00								
2019				20.00	15.00				0.00	0.00								
8CarbonOCE_SantaAna_B3	NORE	Carbón	OCE				13	NHR			67.731	12.61	0.00	50.46	23.330	0.00	0.000	0.010
2016				35.00	10.00				0.00	0.00								
2017				40.00	20.00				0.00	0.00								
2018				29.00	10.00				0.00	0.00								
2019				40.00	20.00				0.00	0.00								
9SEA_Duke_B1	NORE	Búnker	SEA				13	H			6.900	6.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				111.00	5.00				0.00	0.00								
2017				28.00	5.00				0.00	0.00								
2018				28.00	5.00				0.00	0.00								
2019				28.00	5.00				0.00	0.00								

2019				0.00	0.00			0.00	0.00									
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			15	NHR			66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000	
2016				5.00	1.00			0.00	0.00									
2017				20.00	1.00			0.00	0.00									
2018				10.00	1.00			0.00	0.00									
2019				15.00	1.00			0.00	0.00									
21SEA_Genor_B1	NORE	Búnker	SEA			15	NHR			8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			0.00	0.00									
2017				10.00	1.00			0.00	0.00									
2018				20.00	1.00			0.00	0.00									
2019				15.00	1.00			0.00	0.00									
22SEA_Genosa_B1	NORE	Búnker	SEA			15	NHR			7.516	7.52	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			0.00	0.00									
2017				5.00	1.00			0.00	0.00									
2018				5.00	1.00			0.00	0.00									
2019				5.00	1.00			0.00	0.00									
23SEA_Genosa_B2	NORE	Búnker	SEA			15	NHR			6.810	6.81	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			0.00	0.00									
2017				5.00	1.00			0.00	0.00									
2018				5.00	1.00			0.00	0.00									
2019				5.00	1.00			0.00	0.00									
24SEA_Genosa_B3	NORE	Búnker	SEA			15	H	X		6.623	6.62	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			X	0.00	0.00								
2017				5.00	1.00			X	5.00	0.00								
2018				5.00	1.00			X	5.00	0.00								
2019				5.00	1.00			X	0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			15	NHUR			6.750	6.75	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			0.00	0.00									
2017				5.00	1.00			0.00	0.00									
2018				5.00	1.00			0.00	0.00									
2019				5.00	1.00			0.00	0.00									
26SEA_Genosa_B5	NORE	Búnker	SEA			15	NHR			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			0.00	0.00									
2017				5.00	1.00			0.00	0.00									
2018				5.00	1.00			0.00	0.00									
2019				5.00	1.00			0.00	0.00									
27SEA_Genosa_B6	NORE	Búnker	SEA			15	NHR			8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000	
2016				5.00	1.00			0.00	0.00									
2017				5.00	1.00			0.00	0.00									
2018				5.00	1.00			0.00	0.00									
2019				5.00	1.00			0.00	0.00									
28SEA_Pantaleon_B1	NORE	Búnker	SEA			15	NHR			6.900	6.90	0.00	0.00	23.330	0.00	0.000	0.000	
2016				0.00	0.00			0.00	0.00									
2017				5.00	1.00			0.00	0.00									
2018				0.00	0.00			0.00	0.00									
2019				0.00	0.00			0.00	0.00									
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker--Biomasa	OCE--OCE			15	H	X		62.508	16.20	19.25	61.04	23.330	17.50	1.750	13.500	
2016				7.90	1.00			X	7.90	37,507.30								
2017				15.00	1.00			X	15.00	73,242.21								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			15	H	X		6.700	6.70	0.00	0.00	23.330	0.00	0.000	0.000	
2016				0.00	0.00			X	0.00	0.00								
2017				4.00	4.00			X	4.00	0.00								
2018				4.00	4.00			X	0.00	0.00								

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Planta	Tecnología	Combustible	Contrato	PGMx MW	PGMn MW	Nro	Estado	Sel	Potencia a contratar MW	Energía MWh	Monómico USD/MW h	PPG USD/kW/ mes	PEOr USD/MW h	PEOnr USD/MW h	CITT USD/M Wh	PEOr* USD/MW h	O&Mr USD/MW h	O&Mnr USD/MW h
10BunkerOCE_Duke_B2	NORE	Búnker	OCE			16	H				62.771	6.50	0.00	53.87	23.330	0.00	0.000	16.810
2016				35.00	5.00				0.00	0.00								
2017				29.00	5.00				0.00	0.00								
2018				29.00	5.00				0.00	0.00								
2019				29.00	5.00				0.00	0.00								
12SEA_ElectroG_B2	NORE	Búnker	SEA			16	NHR				7.150	7.15	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				25.00	25.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
13CarbonOCE_ElectroG_B3	NORE	Carbón	OCE			16	NHR				85.081	24.80	0.00	51.11	23.330	0.00	0.000	5.000
2016				0.00	0.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				20.00	20.00				0.00	0.00								
2019				20.00	20.00				0.00	0.00								
14HidroDCCOcosito	RENO	Hidroeléctricas	DCC			16	NHR				63.597	6.20	50.45	0.00	23.330	50.45	0.000	0.000
2016				2.95	0.50				0.00	0.00								
2017				5.00	0.50				0.00	0.00								
2018				2.05	0.50				0.00	0.00								
2019				3.85	0.50				0.00	0.00								
15SEA_Genepal	RENO	Hidroeléctricas	SEA			16	NHR				7.215	7.22	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				12.00	2.00				0.00	0.00								
2018				12.00	2.00				0.00	0.00								
2019				12.00	2.00				0.00	0.00								
16SEA_GenOccidente_B1	RENO	Hidroeléctricas	SEA			16	H				6.240	6.24	0.00	0.00	23.330	0.00	0.000	0.000
2016				7.50	1.00				0.00	0.00								
2017				2.00	2.00				0.00	0.00								
2018				2.50	2.50				0.00	0.00								
2019				2.50	2.50				0.00	0.00								
17HidroDCCGenOccidente_B2	RENO	Hidroeléctricas	DCC			16	H	X			53.995	7.82	35.75	0.00	23.330	32.50	3.250	0.000
2016				15.00	1.00			X	0.00	0.00								
2017				8.00	1.00			X	4.79	25,765.78								
2018				20.00	1.00			X	0.00	0.00								
2019				20.00	1.00			X	0.00	0.00								
18SEA_Montecristo_B1	RENO	Hidroeléctricas	SEA			16	NHR				7.200	7.20	0.00	0.00	23.330	0.00	0.000	0.000
2016				4.00	4.00				0.00	0.00								
2017				4.00	4.00				0.00	0.00								
2018				4.00	4.00				0.00	0.00								
2019				4.00	4.00				0.00	0.00								
19HidroDCCMontecristo_B2	RENO	Hidroeléctricas	DCC			16	NHR				59.566	7.70	42.60	0.00	23.330	38.73	3.870	0.000
2016				8.50	1.00				0.00	0.00								
2017				8.50	1.00				0.00	0.00								
2018				8.50	1.00				0.00	0.00								
2019				8.50	1.00				0.00	0.00								
1HidroDCCPolochic	RENO	Hidroeléctricas	DCC			16	NHR				63.679	8.00	48.29	0.00	23.330	43.90	4.390	0.000
2016				4.00	4.00				0.00	0.00								
2017				4.00	4.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
20BunkerOCE_Genor_B2	NORE	Búnker	OCE			16	NHR				66.196	10.50	0.00	51.81	23.330	0.00	0.000	15.000

2016				5.00	1.00				0.00	0.00								
2017				20.00	1.00				0.00	0.00								
2018				10.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
21SEA_Genor_B1	NORE	Búnker	SEA			16	NHR				8.049	8.05	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				10.00	1.00				0.00	0.00								
2018				20.00	1.00				0.00	0.00								
2019				15.00	1.00				0.00	0.00								
22SEA_Genosa_B1	NORE	Búnker	SEA			16	NHR				7.516	7.52	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
23SEA_Genosa_B2	NORE	Búnker	SEA			16	NHR				6.810	6.81	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
24SEA_Genosa_B3	NORE	Búnker	SEA			16	H				6.500	6.50	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
25SEA_Genosa_B4	NORE	Búnker	SEA			16	NHUR				6.750	6.75	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
26SEA_Genosa_B5	NORE	Búnker	SEA			16	NHR				8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
27SEA_Genosa_B6	NORE	Búnker	SEA			16	NHR				8.027	8.03	0.00	0.00	23.330	0.00	0.000	0.000
2016				5.00	1.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				5.00	1.00				0.00	0.00								
2019				5.00	1.00				0.00	0.00								
28SEA_Pantaleon_B1	NORE	Búnker	SEA			16	NHR				6.900	6.90	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				5.00	1.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
29MixtaBunkerOCE_Pantaleon_B2	MIXTA	Búnker-Biomasa	OCE--OCE			16	H	X			62.508	16.20	19.25	61.04	23.330	17.50	1.750	13.500
2016				7.90	1.00			X	6.00	27,188.66								
2017				15.00	1.00			X	15.00	74,152.15								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
2SEA_PiedraNegra	RENO	Hidroeléctricas	SEA			16	H				6.250	6.25	0.00	0.00	23.330	0.00	0.000	0.000
2016				0.00	0.00				0.00	0.00								
2017				4.00	4.00				0.00	0.00								
2018				4.00	4.00				0.00	0.00								
2019				4.00	4.00				0.00	0.00								
30HidroDCCHidrotama_B1	RENO	Hidroeléctricas	DCC			16	NHR				73.453	10.03	54.00	0.00	23.330	50.00	4.000	0.000
2016				15.00	2.00				0.00	0.00								
2017				15.00	2.00				0.00	0.00								

2019				0.00	0.00		X	0.00	0.00									
40SEA_Regional_B2	RENO	Hidroeléctricas	SEA			16	H	X		5.999	6.00	0.00	0.00	23.330	0.00	0.000	0.000	
2016				3.10	3.10			X	0.00	0.00								
2017				3.10	3.10			X	3.10	0.00								
2018				3.10	3.10			X	0.00	0.00								
2019				3.10	3.10			X	0.00	0.00								
41HidroDCCRenace_B1	RENO	Hidroeléctricas	DCC			16	NHR			58.581	4.40	48.40	0.00	23.330	44.00	4.400	0.000	
2016				15.00	15.00				0.00	0.00								
2017				0.00	0.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
42SEA_Renace_B2	RENO	Hidroeléctricas	SEA			16	H	X		5.800	5.80	0.00	0.00	23.330	0.00	0.000	0.000	
2016				10.00	10.00			X	10.00	0.00								
2017				0.00	0.00			X	0.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
43HidroDCCRenace_B3	RENO	Hidroeléctricas	DCC			16	NHR			63.855	5.55	51.02	0.00	23.330	46.39	4.630	0.000	
2016				0.00	0.00				0.00	0.00								
2017				15.00	15.00				0.00	0.00								
2018				0.00	0.00				0.00	0.00								
2019				0.00	0.00				0.00	0.00								
44EA_Renace_B4	RENO	Hidroeléctricas	SEA			16	H	X		5.500	5.50	0.00	0.00	23.330	0.00	0.000	0.000	
2016				10.00	10.00			X	10.00	0.00								
2017				0.00	0.00			X	0.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
45SEA_Renace_B5	RENO	Hidroeléctricas	SEA			16	H	X		6.000	6.00	0.00	0.00	23.330	0.00	0.000	0.000	
2016				0.00	0.00			X	0.00	0.00								
2017				10.00	10.00			X	10.00	0.00								
2018				0.00	0.00			X	0.00	0.00								
2019				0.00	0.00			X	0.00	0.00								
46CarbonOCE_CEG	NORE	Carbón	OCE			16	H	X		56.453	6.76	0.00	47.19	23.330	0.00	0.000	0.000	
2016				14.50	0.00			X	6.00	21,735.77								
2017				14.50	0.00			X	0.00	0.00								
2018				14.50	0.00			X	6.66	7,401.36								
2019				14.50	0.00			X	12.28	13,794.41								
4SEA_Biomass_B2	RENO	Biomasa	SEA			16	NHUR			7.679	7.68	0.00	0.00	23.330	0.00	0.000	0.000	
2016				15.00	0.00				0.00	0.00								
2017				30.00	0.00				0.00	0.00								
2018				30.00	0.00				0.00	0.00								
2019				30.00	0.00				0.00	0.00								
5SEA_SantaAna_B1	RENO	Biomasa	SEA			16	NHR			7.340	7.34	0.00	0.00	23.330	0.00	0.000	0.000	
2016				2.00	2.00				0.00	0.00								
2017				2.00	2.00				0.00	0.00								
2018				2.00	2.00				0.00	0.00								
2019				2.00	2.00				0.00	0.00								
6SEA_SantaAna_B4	NORE	Carbón	SEA			16	NHUR			7.140	7.14	0.00	0.00	23.330	0.00	0.000	0.000	
2016				21.00	15.00				0.00	0.00								
2017				16.00	12.00				0.00	0.00								
2018				27.00	15.00				0.00	0.00								
2019				16.00	12.00				0.00	0.00								
7MixtaBunkerOCE_SantaAna_B2	MIXTA	Búnker--Biomasa	OCE--OCE			16	NHR			56.003	18.48	19.10	42.09	23.330	19.00	0.100	0.100	

