ANEXO II

VARIABLES HISTÓRICAS Y PROYECCIÓN DE LA DEMANDA

Datos Históricos de las Distribuidoras

CONSUMOS (GWh)												
AÑO	RESIDENCIAL			COMERCIAL			INDUSTRIAL			GOBIERNO		
	EDECHI	EDEMET	ENSA	EDECHI	EDEMET	ENSA	EDECHI	EDEMET	ENSA	EDECHI	EDEMET	ENSA
2009	132.03	834.28	791.41	215.52	1,361.77	943.24	30.30	191.40	277.49	61.63	389.62	289.58
2010	146.76	908.61	872.38	235.45	1,457.56	967.01	30.86	191.10	226.01	64.44	399.08	296.20
2011	158.36	952.77	919.93	260.36	1,566.70	1,014.03	30.83	185.43	229.90	66.30	399.08	309.88
2012	173.79	1,032.40	986.62	291.30	1,730.36	1,108.83	32.35	192.15	234.58	70.67	419.80	338.84
2013	185.69	1,103.78	1,032.12	302.31	1,796.83	1,171.33	31.66	188.21	241.37	68.40	406.83	356.60
2014	196.48	1,170.89	1,088.85	312.19	1,860.84	1,224.99	31.30	186.42	225.04	68.12	405.96	381.12
2015	230.39	1,249.57	1,170.16	373.13	2,021.45	1,334.29	32.87	178.09	228.00	84.50	457.10	413.54
2016	237.84	1,251.08	1,220.69	401.07	2,110.13	1,406.99	33.53	176.49	218.72	89.86	473.08	426.49
2017	245.12	1,271.90	1,255.69	408.04	2,118.34	1,431.45	27.80	144.00	207.78	90.92	471.93	434.24
2018	239.12	1,250.22	1,264.05	399.90	2,091.39	1,383.76	23.25	121.66	139.50	88.98	468.02	439.06
2019	257.76	1,225.99	1,330.83	416.50	1,978.37	1,217.24	22.21	105.84	83.74	94.34	448.42	506.10
2020	286.75	1,241.71	1,453.05	342.30	1,482.25	807.68	16.87	73.06	41.04	89.38	386.95	452.52
2021	287.99	1,210.07	1,472.82	371.06	1,558.37	858.07	16.51	69.35	46.50	93.11	391.19	480.00
2022	289.68	1,198.98	1,440.78	401.59	1,667.21	933.27	17.08	70.65	49.44	101.12	419.10	520.46
2023	336.98	1,255.96	1,538.98	403.40	1,897.41	1,016.96	30.34	53.19	33.58	99.65	414.71	550.53
2024	359.42	1,304.82	1,582.53	434.43	1,986.85	1,115.76	32.45	52.98	37.43	106.42	430.89	549.28
2025	356.80	1,299.10	1,725.46	435.35	1,993.54	1,109.72	32.31	50.58	33.53	105.79	429.12	545.50

CONSUMOS (GWh)												
AÑO	ALUMBRADO PÚBLICO			OTROS			PÉRDIDAS TÉCNICAS			PÉRDIDAS NO TÉCNICAS		
	EDECHI	EDEMET	ENSA	EDECHI	EDEMET	ENSA	EDECHI	EDEMET	ENSA	EDECHI	EDEMET	ENSA
2009	21.38	60.52	46.65	0.67	4.23	2.89	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	22.58	61.28	47.80	0.67	4.17	2.67	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	23.36	63.40	49.38	0.70	4.23	2.66	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2012	25.00	69.98	51.91	0.77	4.55	2.70	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2013	27.84	81.96	54.54	0.76	4.51	2.75	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2014	28.95	83.66	56.91	0.73	4.33	2.84	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2015	23.23	89.65	59.92	0.85	4.60	2.87	9.18%	9.18%	6.00%	0.97%	3.16%	5.66%
2016	35.56	95.21	63.09	0.89	4.67	3.29	9.41%	9.41%	5.94%	0.92%	3.11%	5.95%
2017	37.99	103.50	65.83	0.84	4.37	3.98	9.63%	9.63%	5.82%	1.30%	3.14%	5.86%
2018	39.64	110.47	67.57	0.78	4.09	3.06	9.62%	9.62%	5.71%	1.31%	3.64%	5.78%
2019	40.70	115.07	69.09	0.77	3.65	2.63	9.59%	9.59%	5.64%	1.77%	4.16%	5.76%
2020	41.66	119.66	74.29	0.68	2.96	2.63	10.46%	10.46%	5.82%	1.98%	4.34%	6.24%
2021	41.60	119.69	82.12	0.70	2.94	2.58	11.07%	11.07%	6.01%	2.17%	5.06%	6.04%
2022	41.34	117.34	80.98	0.93	3.87	2.25	10.22%	10.22%	5.95%	3.54%	5.89%	4.75%
2023	41.25	114.96	81.13	0.49	2.99	2.24	9.90%	9.90%	5.47%	3.74%	5.64%	4.76%
2024	41.77	117.11	80.41	0.53	3.15	2.41	10.52%	10.52%	5.03%	2.85%	5.00%	5.53%
2025	41.24	117.99	79.34	0.54	3.18	2.35	10.32%	10.32%	4.75%	3.30%	5.56%	5.92%

Nota: El porcentaje (%) de perdidas es respecto al total de sistema

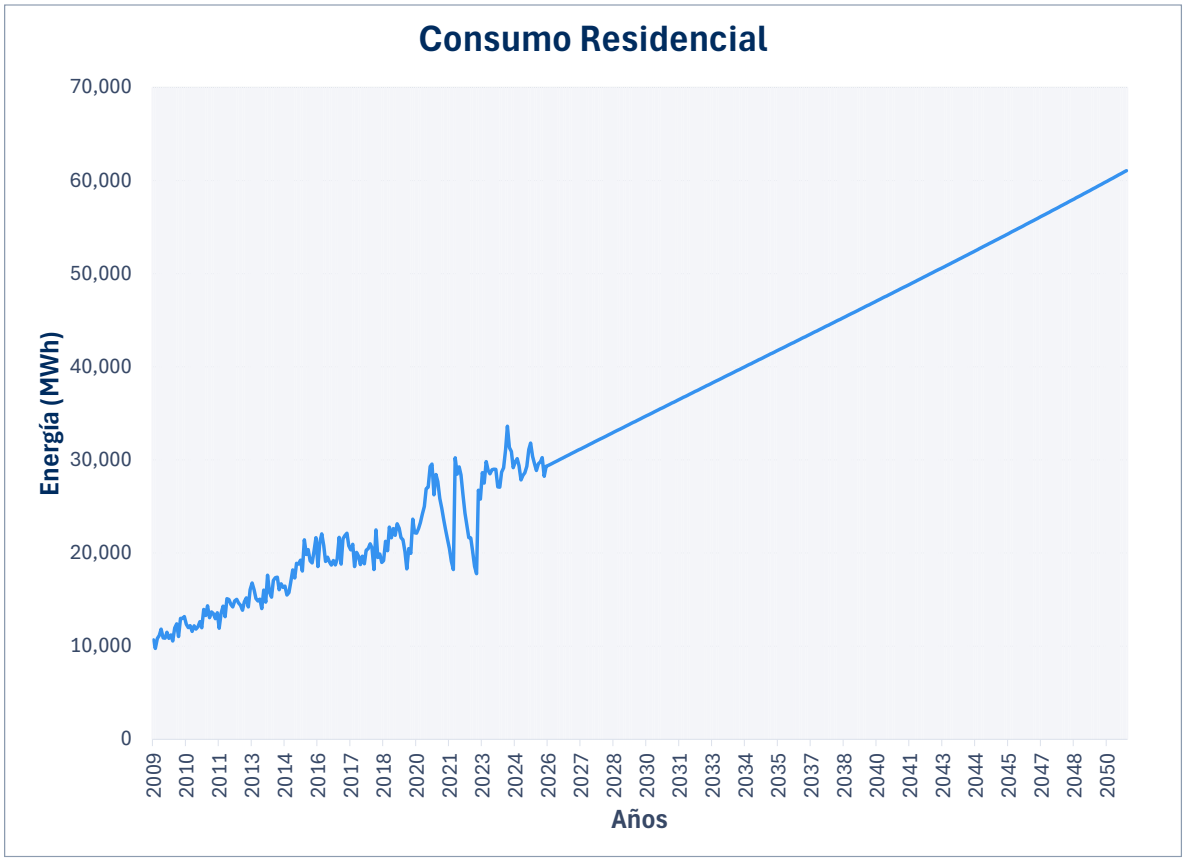
Datos Históricos de las Variables Explicativas

DATOS HISTÓRICOS DE LAS VARIABLES EXPLICATIVAS							
AÑO	IMAE	PIB	PIBIND	PIBCOM	POB	COSTMARG	EDISPSIST
	Millones de Balboa				Habitantes	Balboas/MWh	MWh
2006	1,139.11	28,671.32	2,282.07	6,902.01	2,206,081.08	125.60	5,495,325.11
2007	1,250.22	32,033.04	2,418.37	7,559.30	2,256,804.42	155.48	5,826,416.79
2008	1,376.63	35,355.65	2,507.19	8,220.33	2,308,274.67	232.50	6,017,948.70
2009	1,397.99	36,486.58	2,498.87	7,997.99	2,359,422.58	153.61	6,376,160.16
2010	1,483.61	39,513.95	2,516.85	9,220.21	2,404,231.67	178.27	6,885,594.48
2011	1,611.61	43,736.03	2,598.48	10,436.11	2,448,993.83	222.21	7,300,859.51
2012	1,767.28	48,403.62	2,693.12	11,330.55	2,494,056.83	193.76	7,926,023.06
2013	1,915.28	51,604.29	2,753.73	11,771.82	2,539,620.42	211.43	8,280,919.12
2014	2,008.05	54,728.06	3,169.92	11,771.65	2,585,984.58	217.05	8,651,202.05
2015	2,092.11	57,889.91	3,127.46	12,327.57	2,633,150.00	91.13	9,336,859.60
2016	2,183.39	59,914.59	3,114.84	12,459.17	2,680,788.08	60.39	9,611,190.33
2017	2,296.85	62,305.26	3,452.71	11,684.74	2,728,248.58	58.51	9,848,730.09
2018	2,336.20	67,294.17	3,851.59	12,344.71	2,774,365.92	76.70	9,954,956.82
2019	2,413.72	69,502.68	3,797.73	12,567.84	2,815,452.33	91.40	10,325,766.65
2020	1,723.86	57,222.72	3,011.80	10,524.73	2,852,285.42	46.97	9,521,091.79
2021	2,045.62	66,284.37	3,353.73	12,494.42	2,890,757.00	71.74	10,139,032.51
2022	2,275.25	73,449.29	3,525.69	14,525.91	2,931,035.17	106.89	10,455,325.68
2023	2,402.86	78,823.41	3,597.05	15,802.11	2,974,807.92	121.31	11,216,651.51

Proyección de la Demanda Escenario Moderado

EDECHI

CONSUMO RESIDENCIAL



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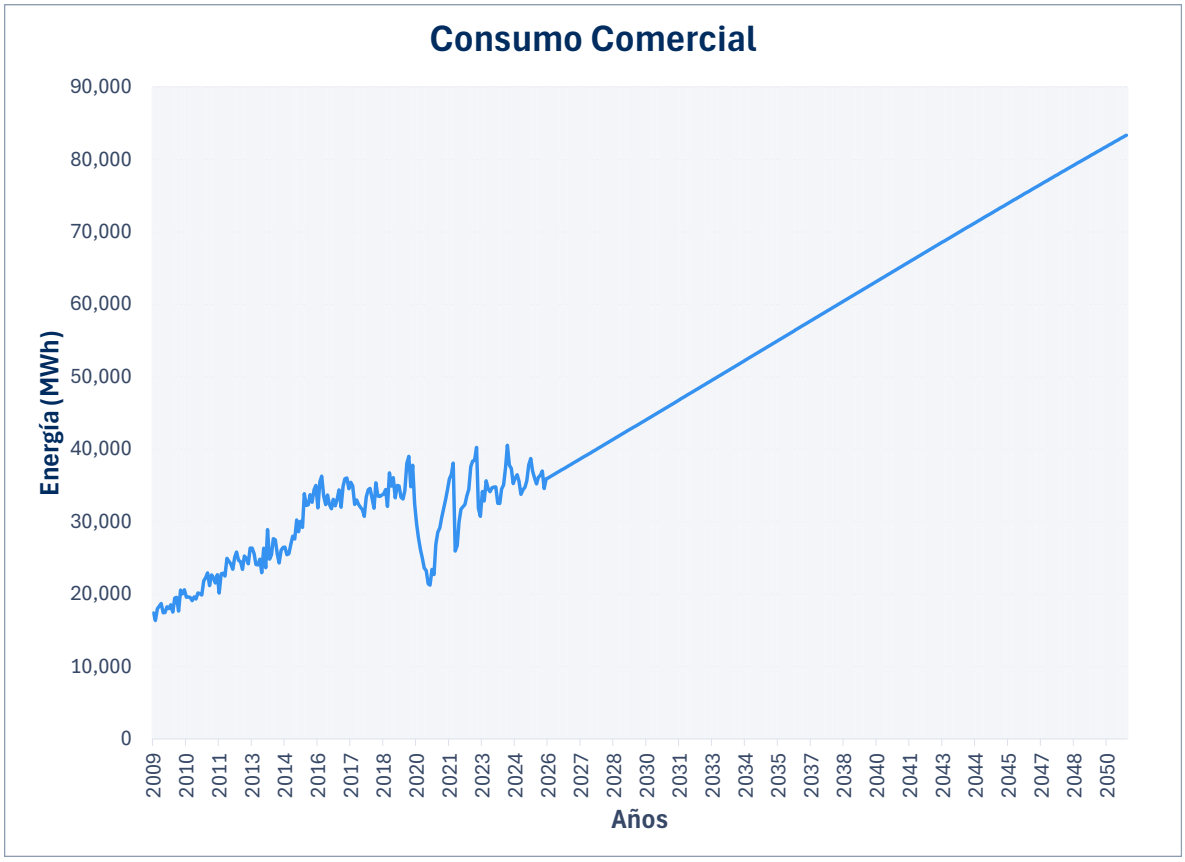

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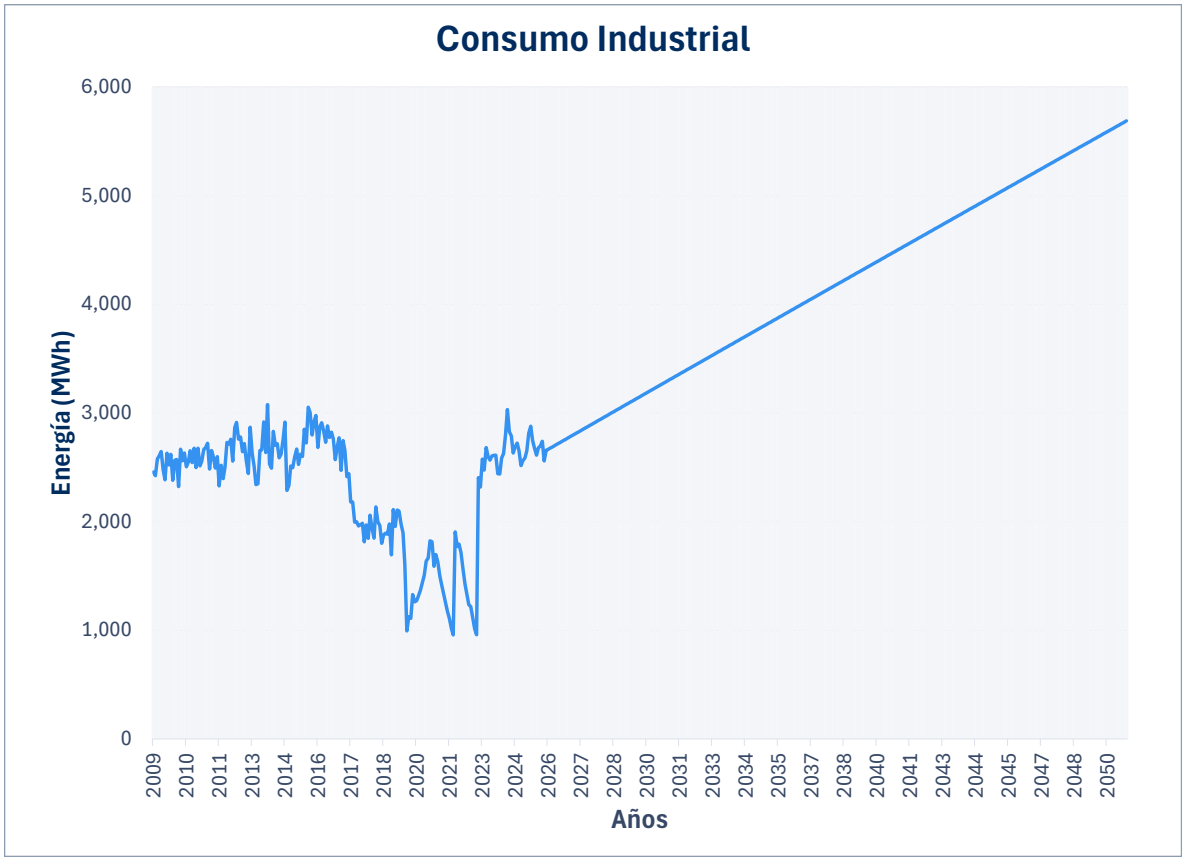

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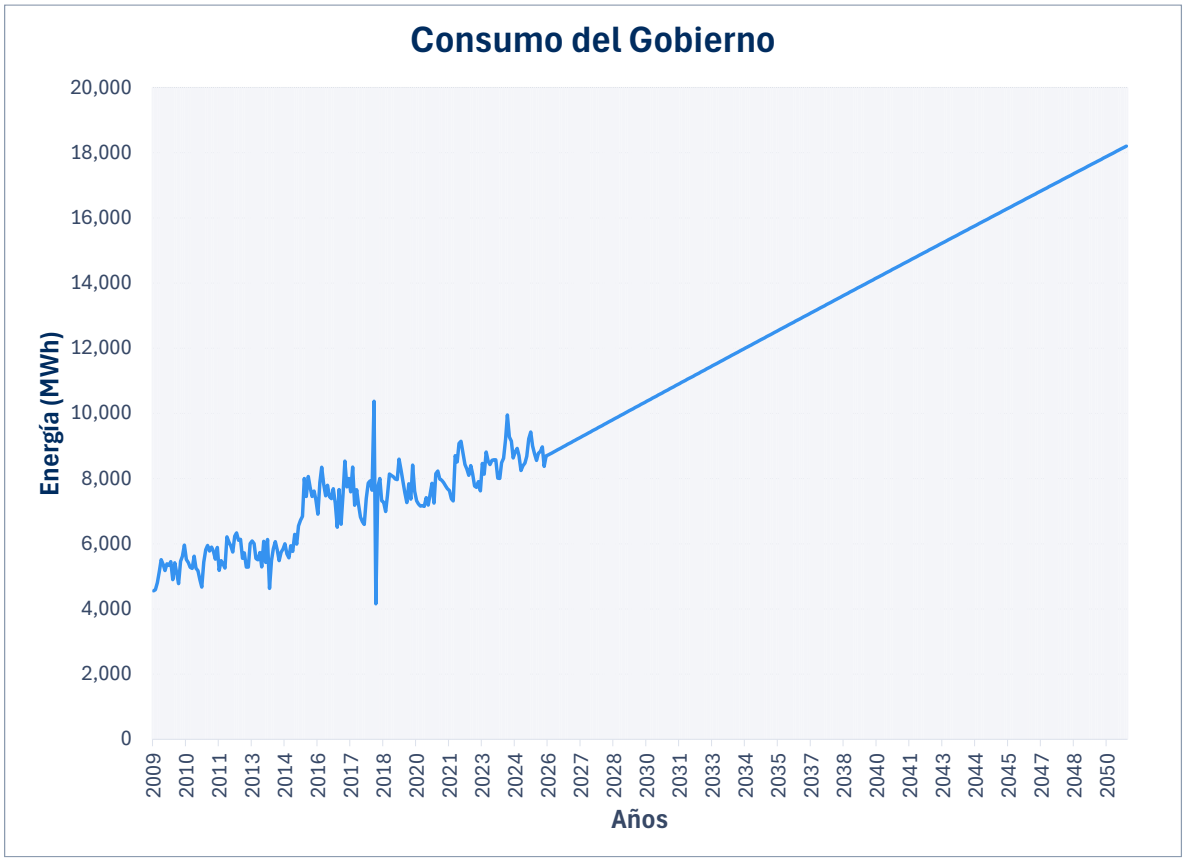

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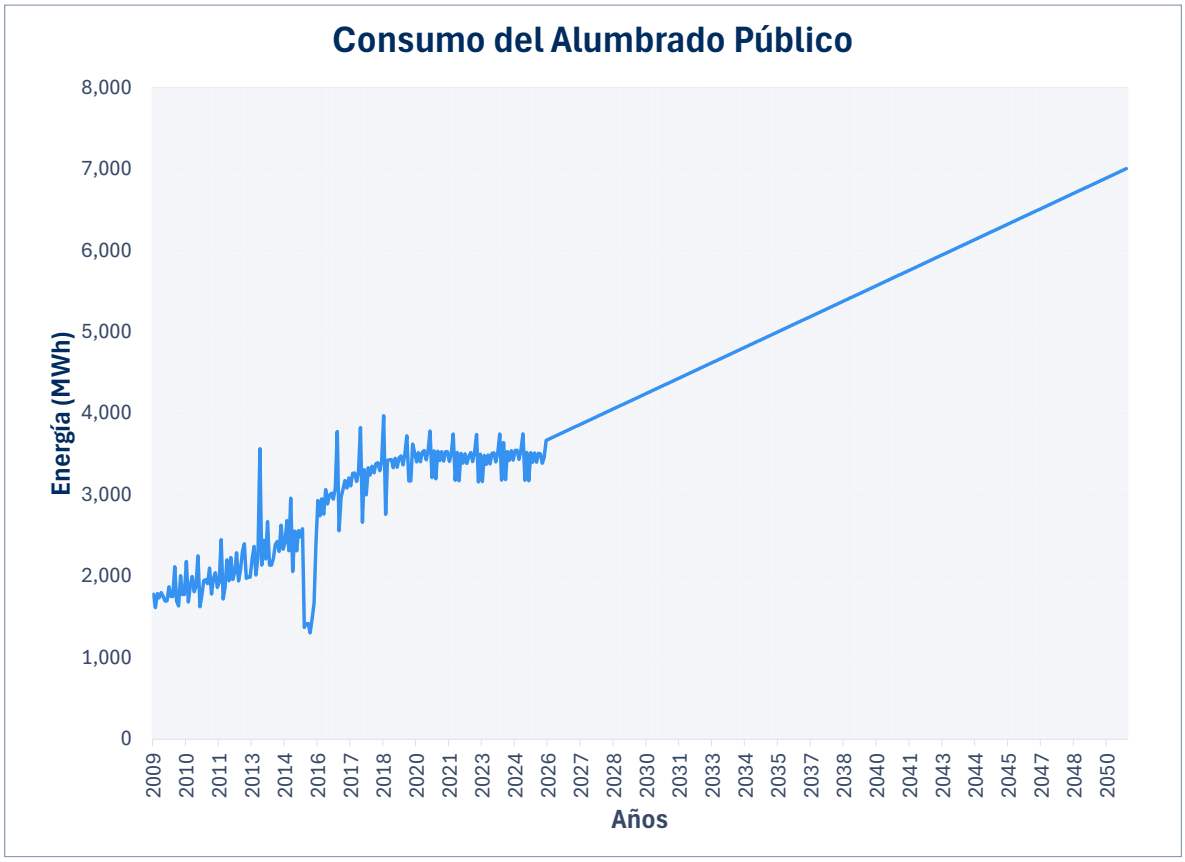

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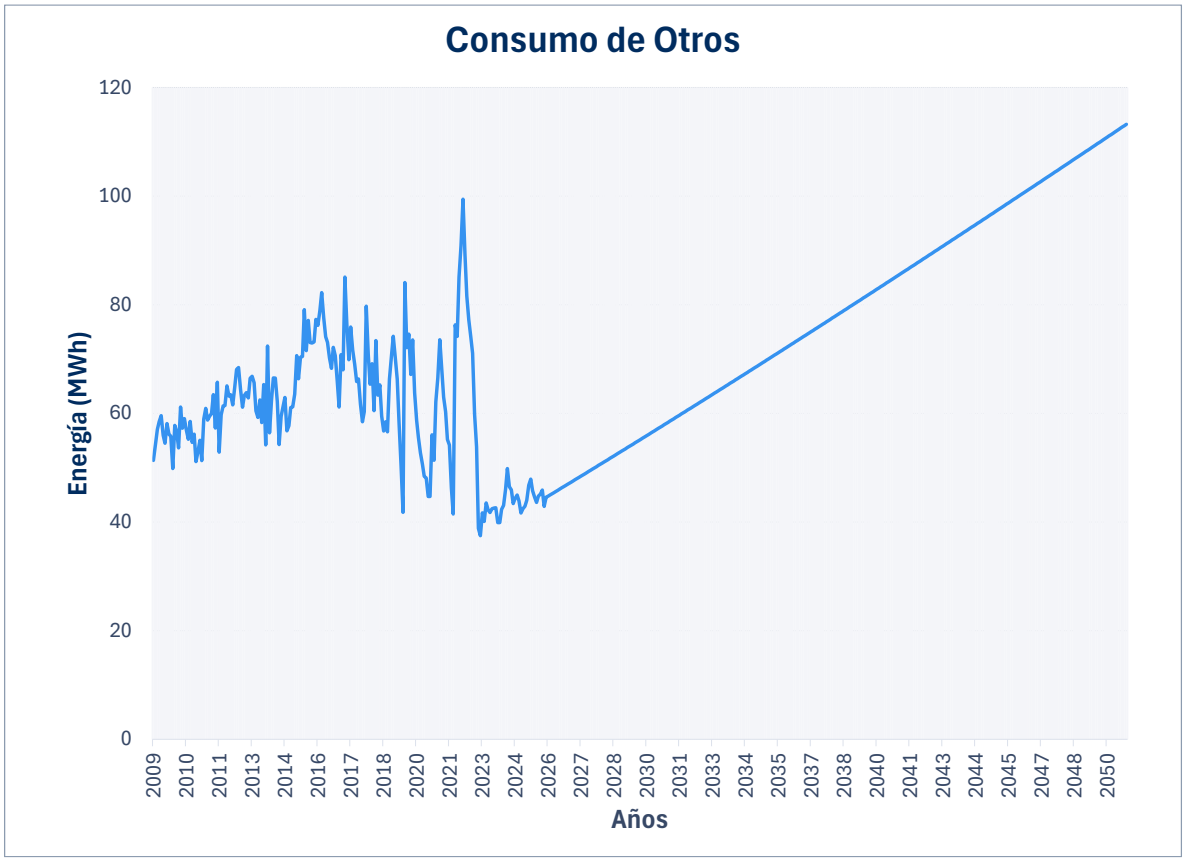
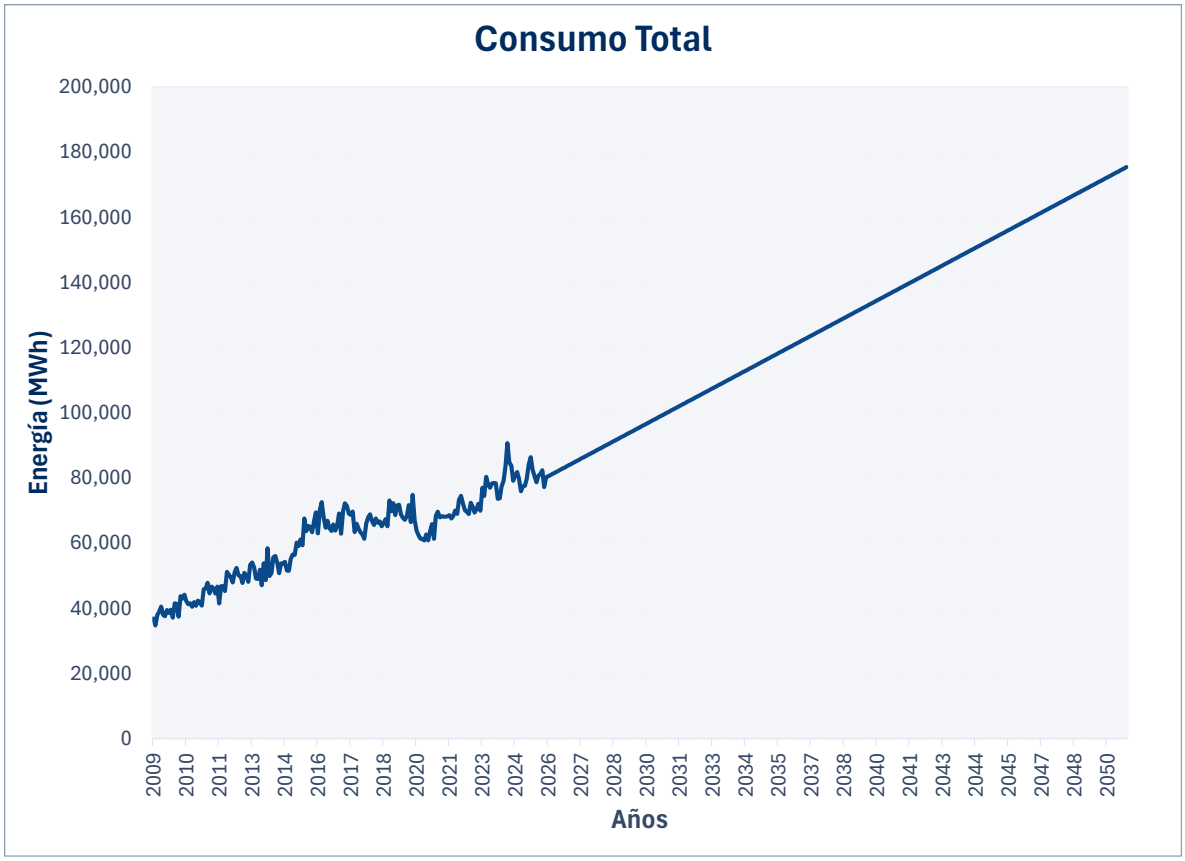
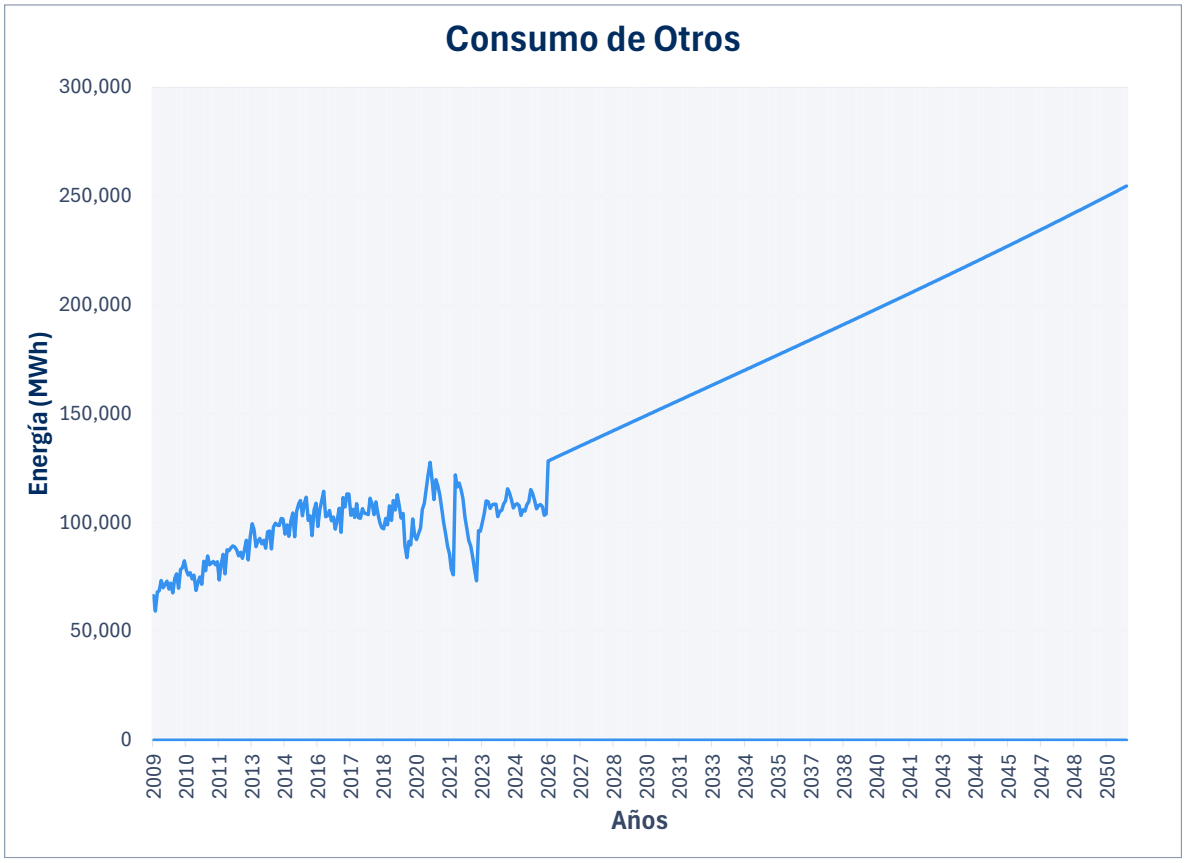


CONSUMO TOTAL



EDEMET

CONSUMO RESIDENCIAL



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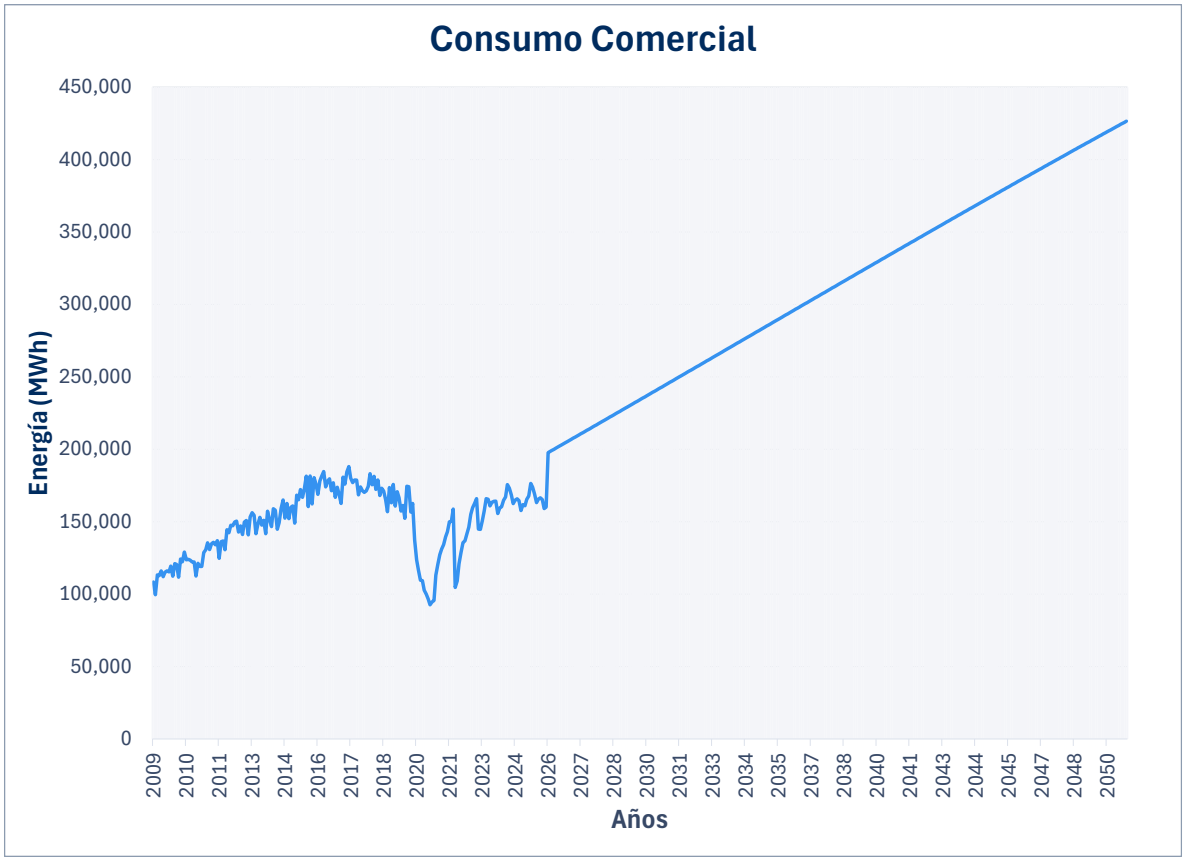

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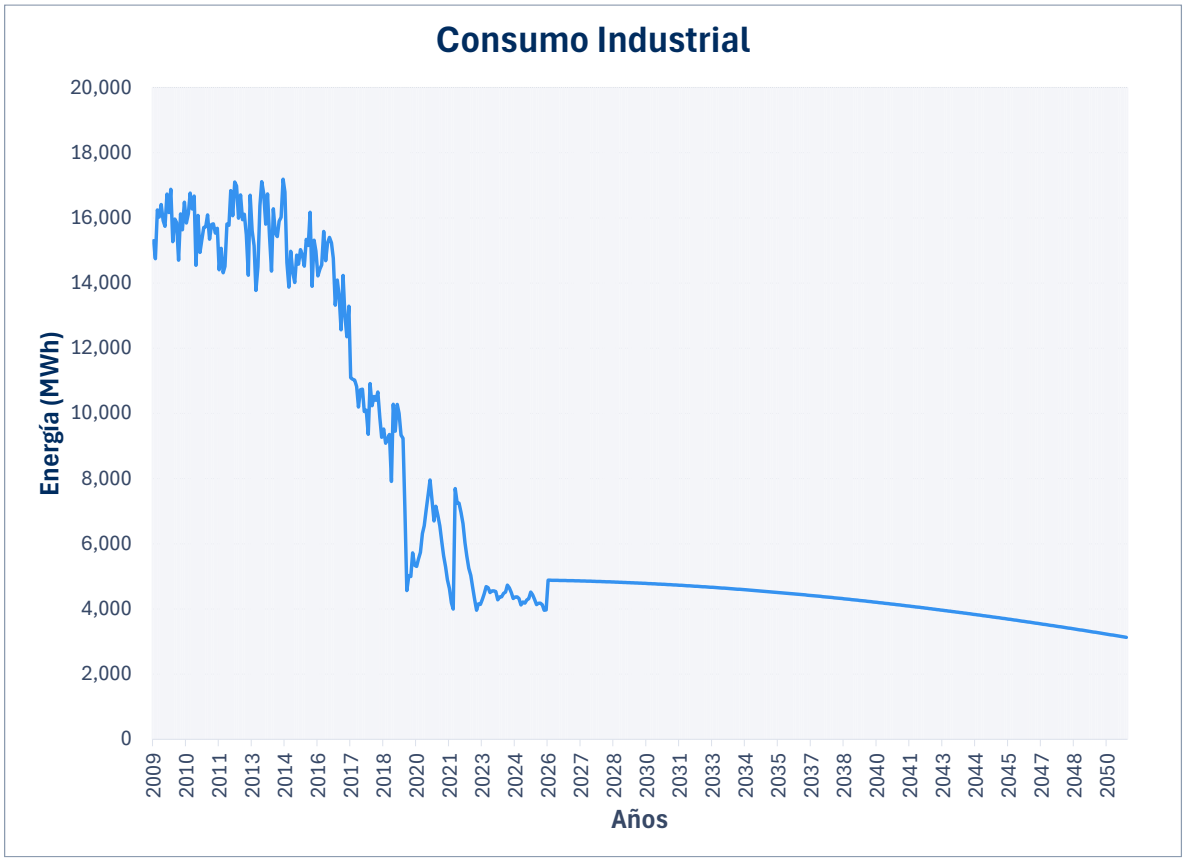

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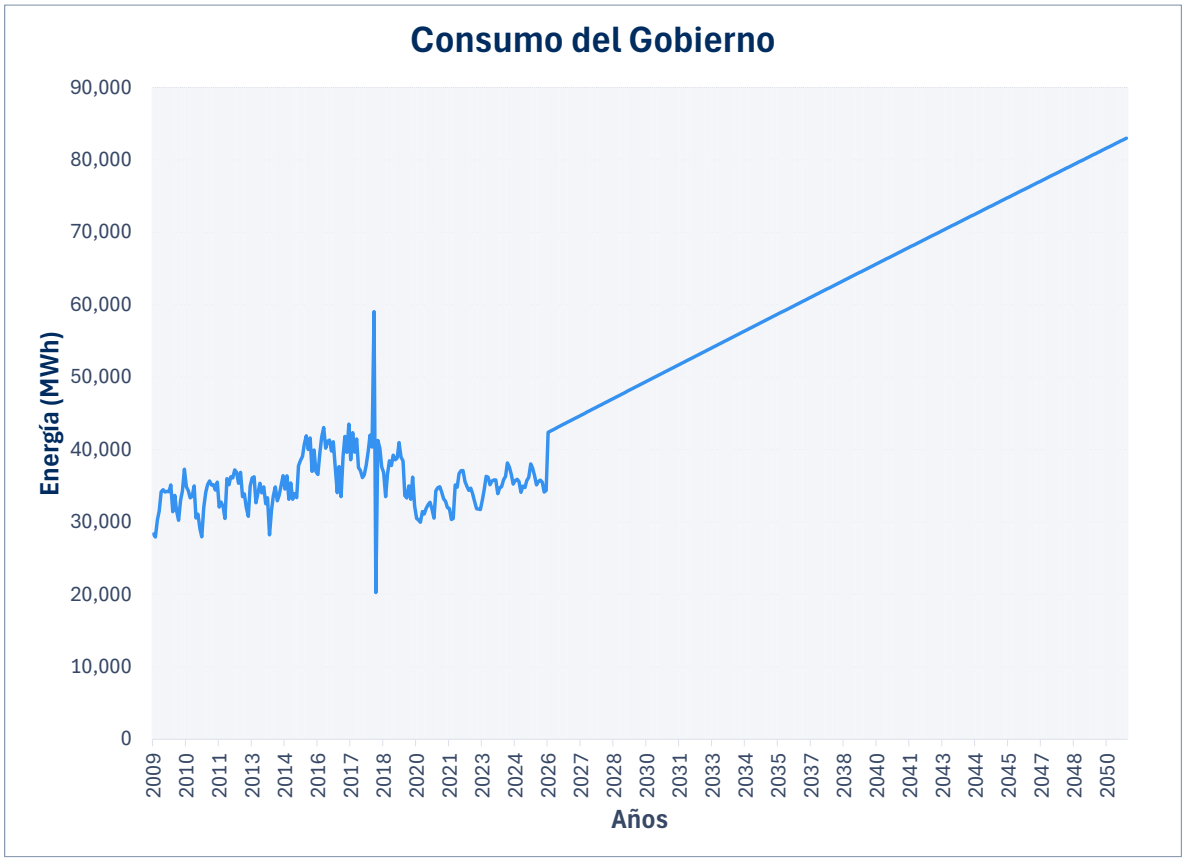

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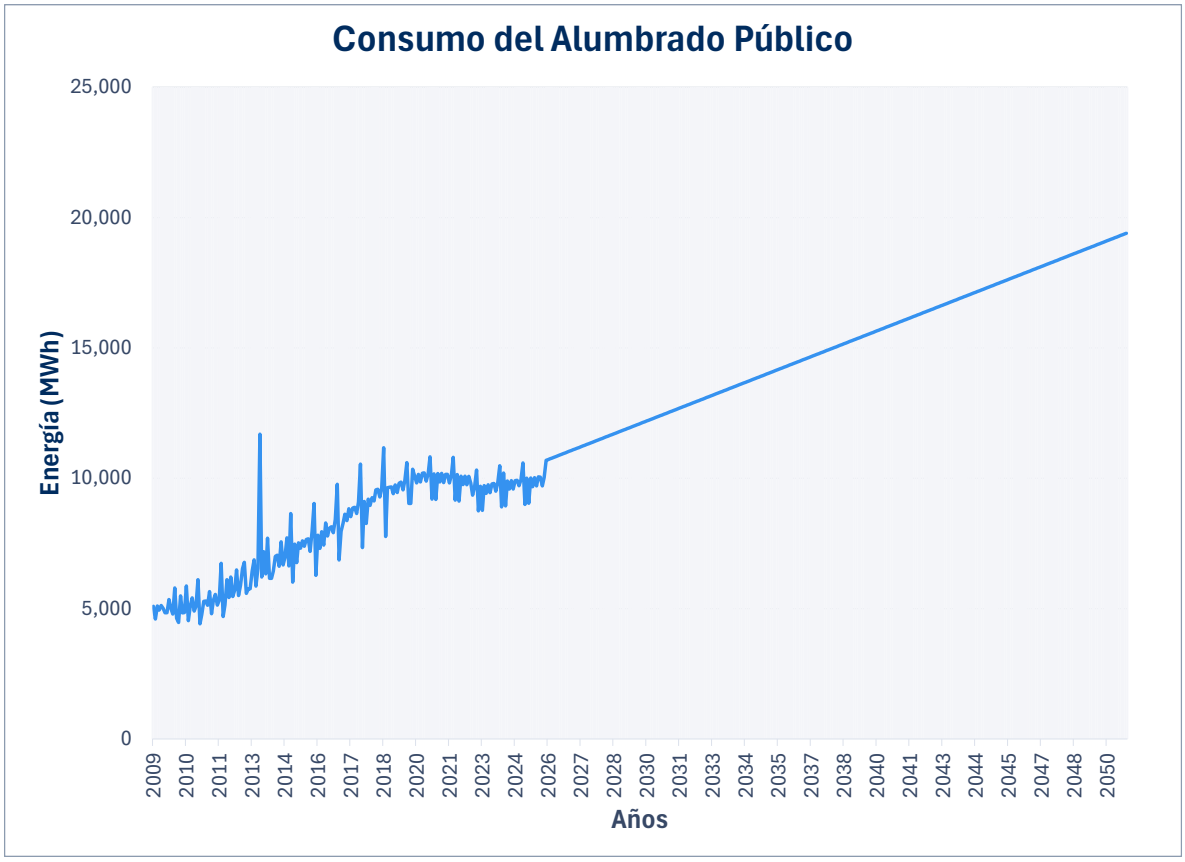

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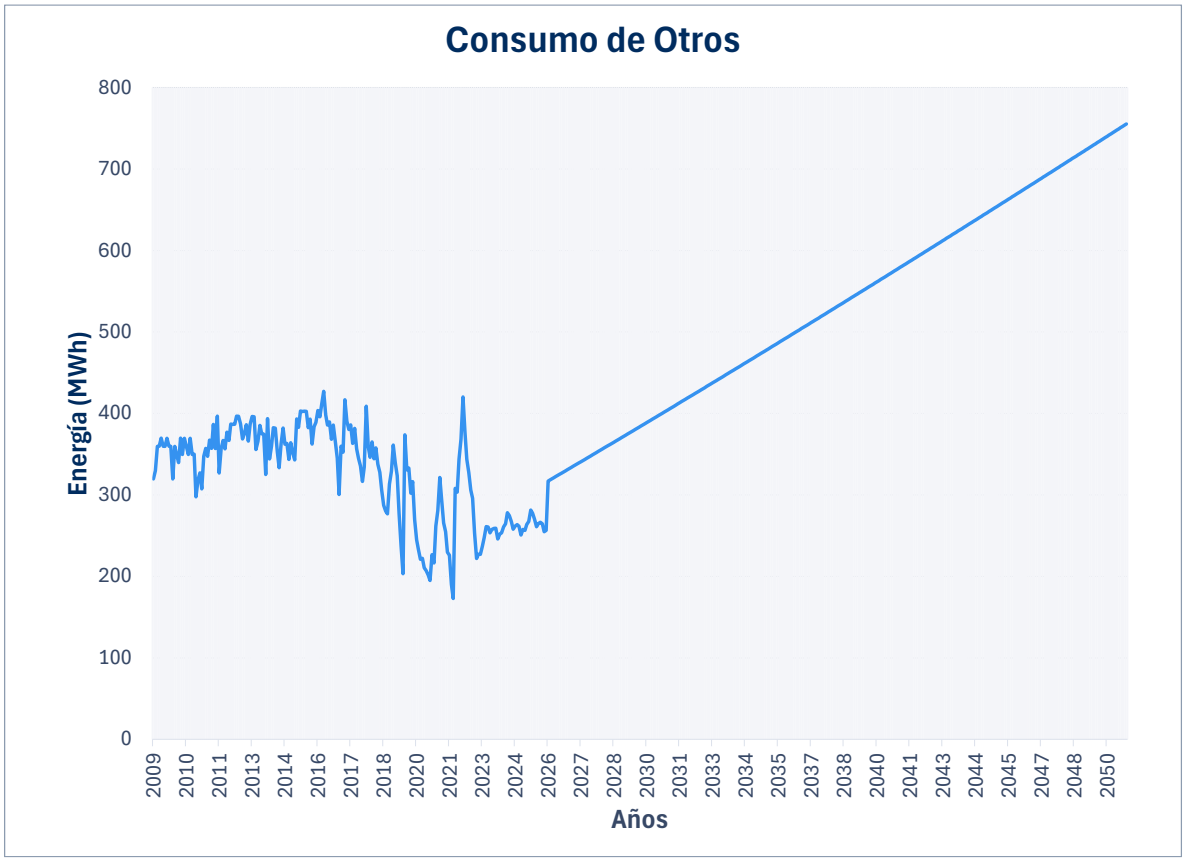

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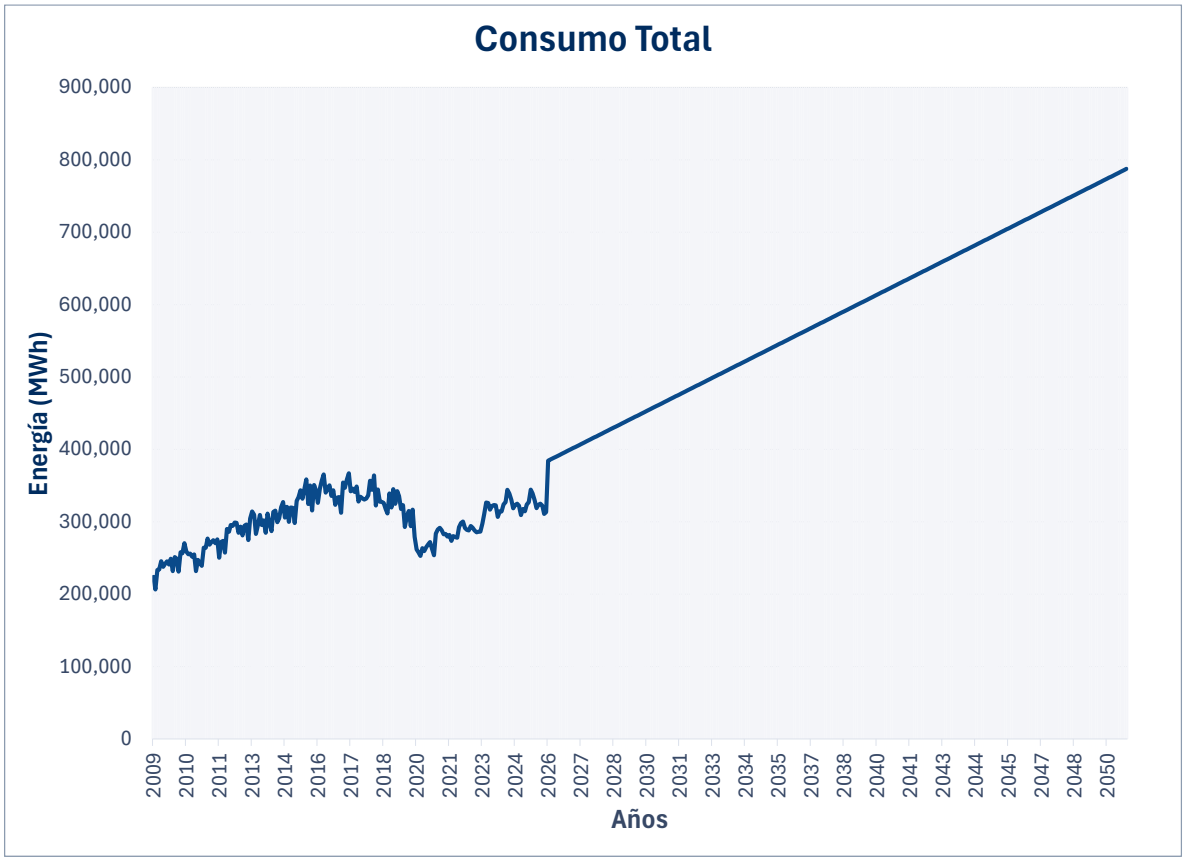
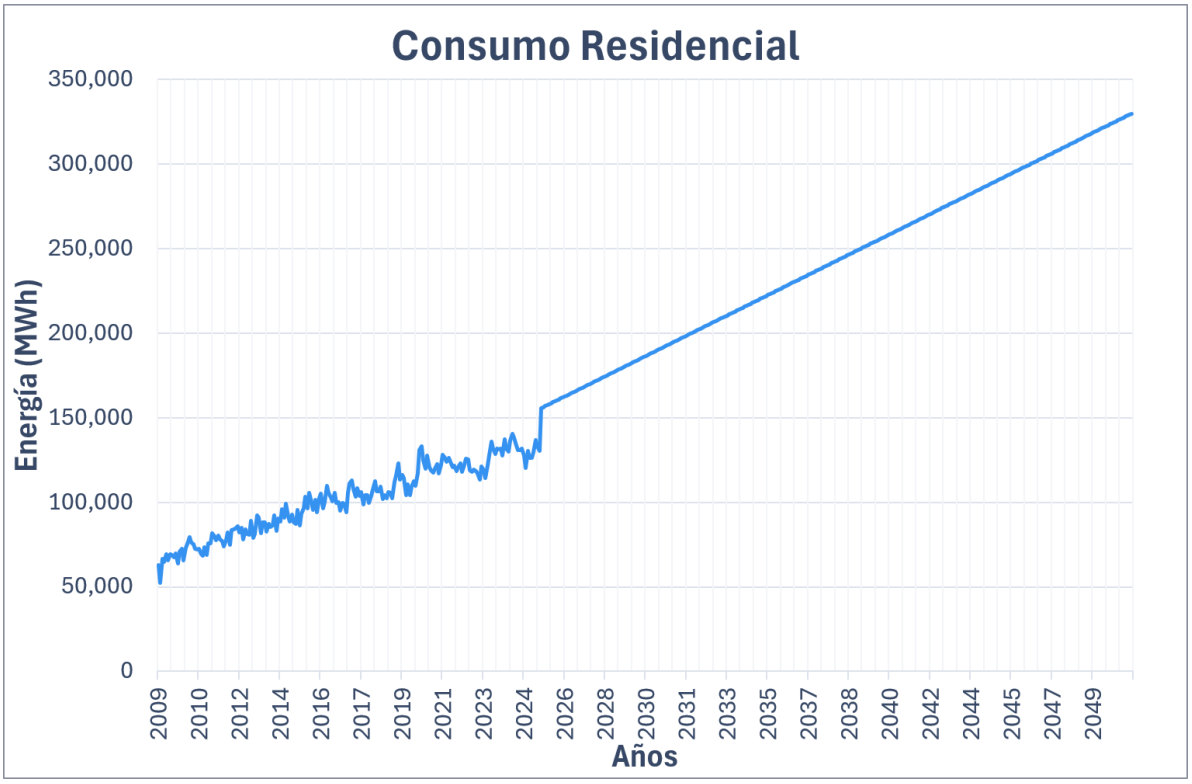
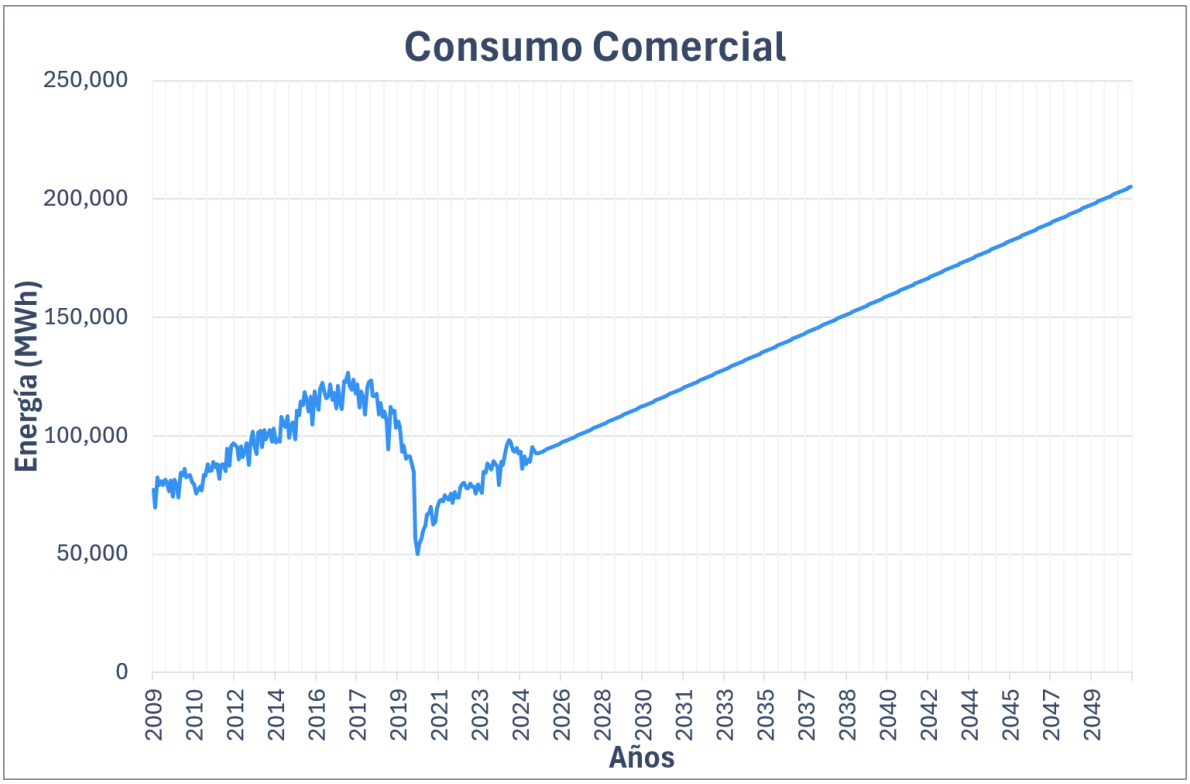


ENSA

CONSUMO RESIDENCIAL



CONSUMO COMERCIAL



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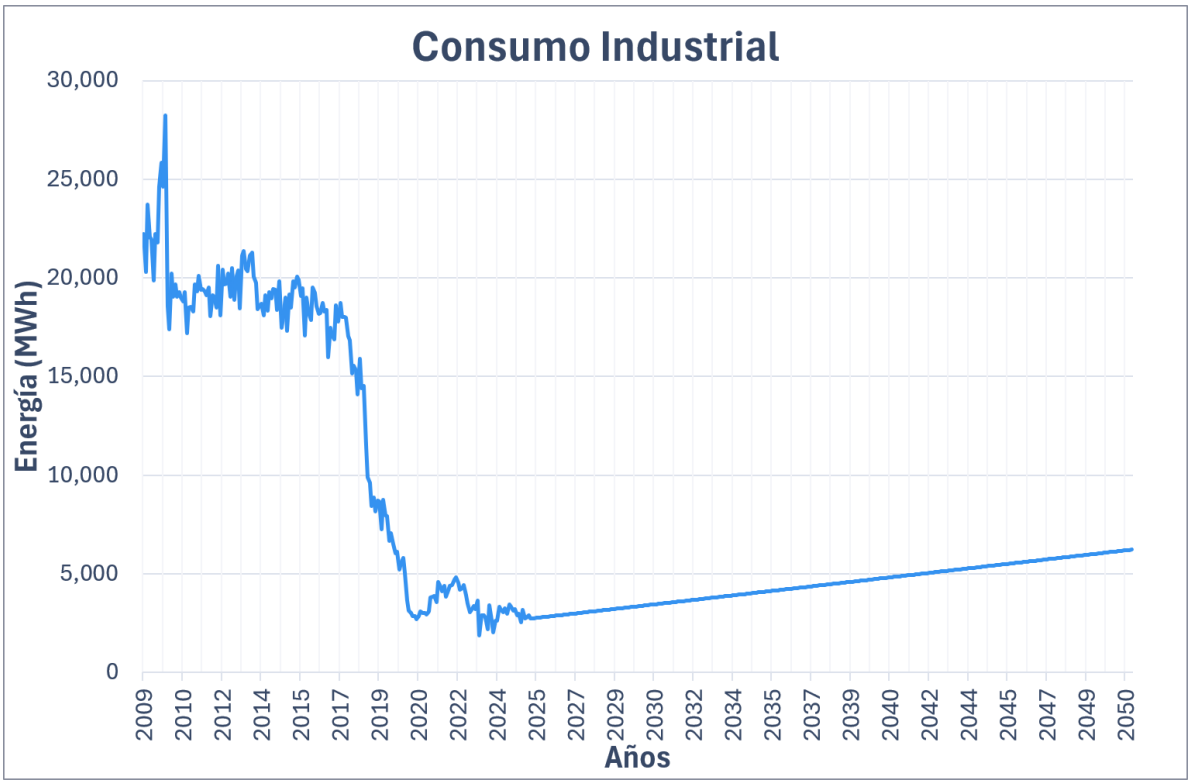

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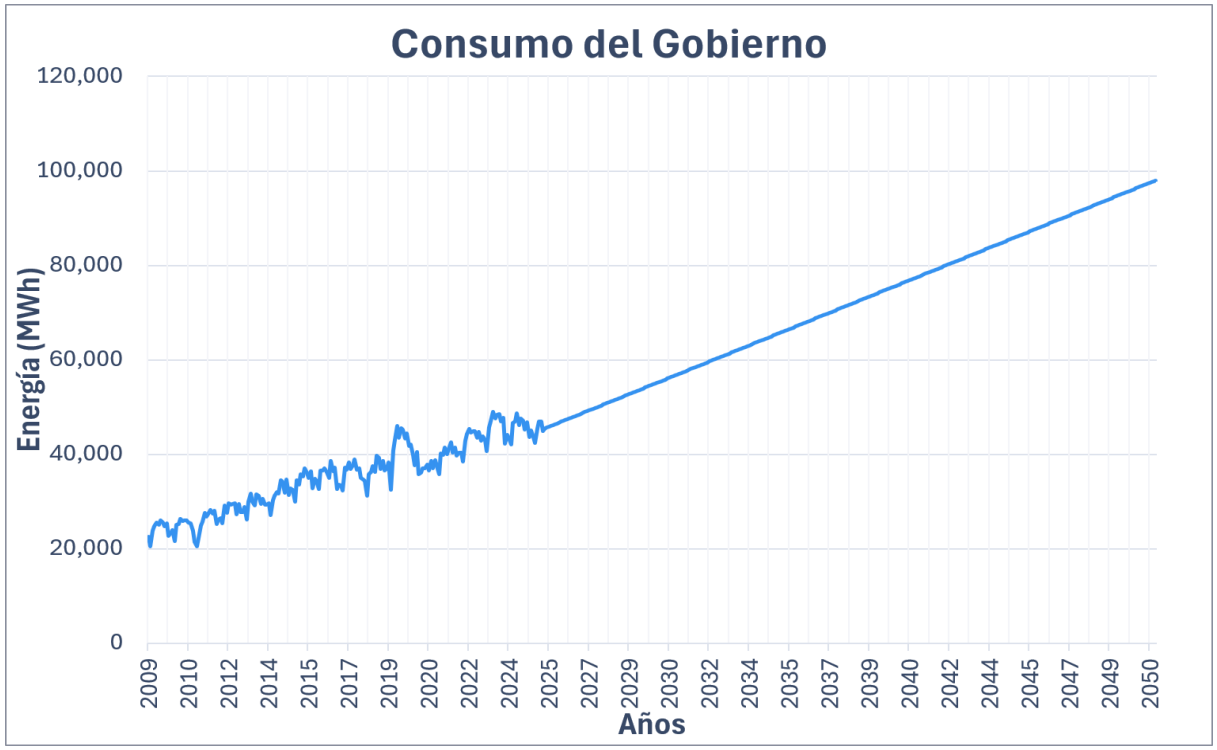

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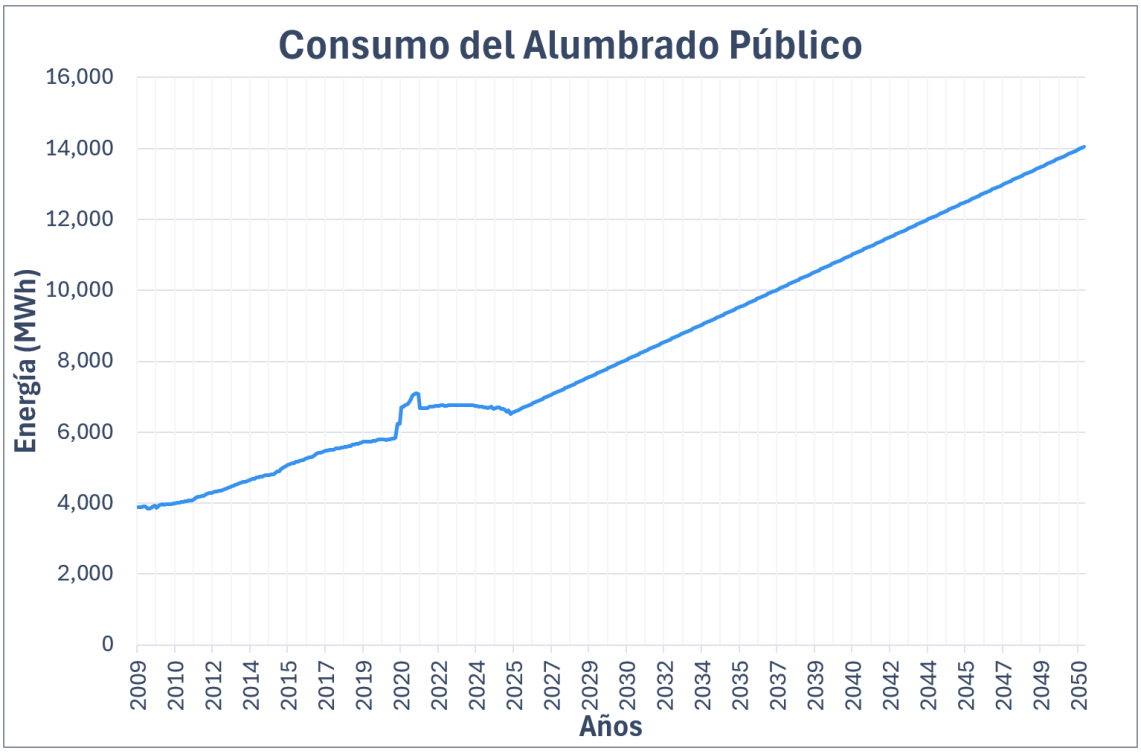
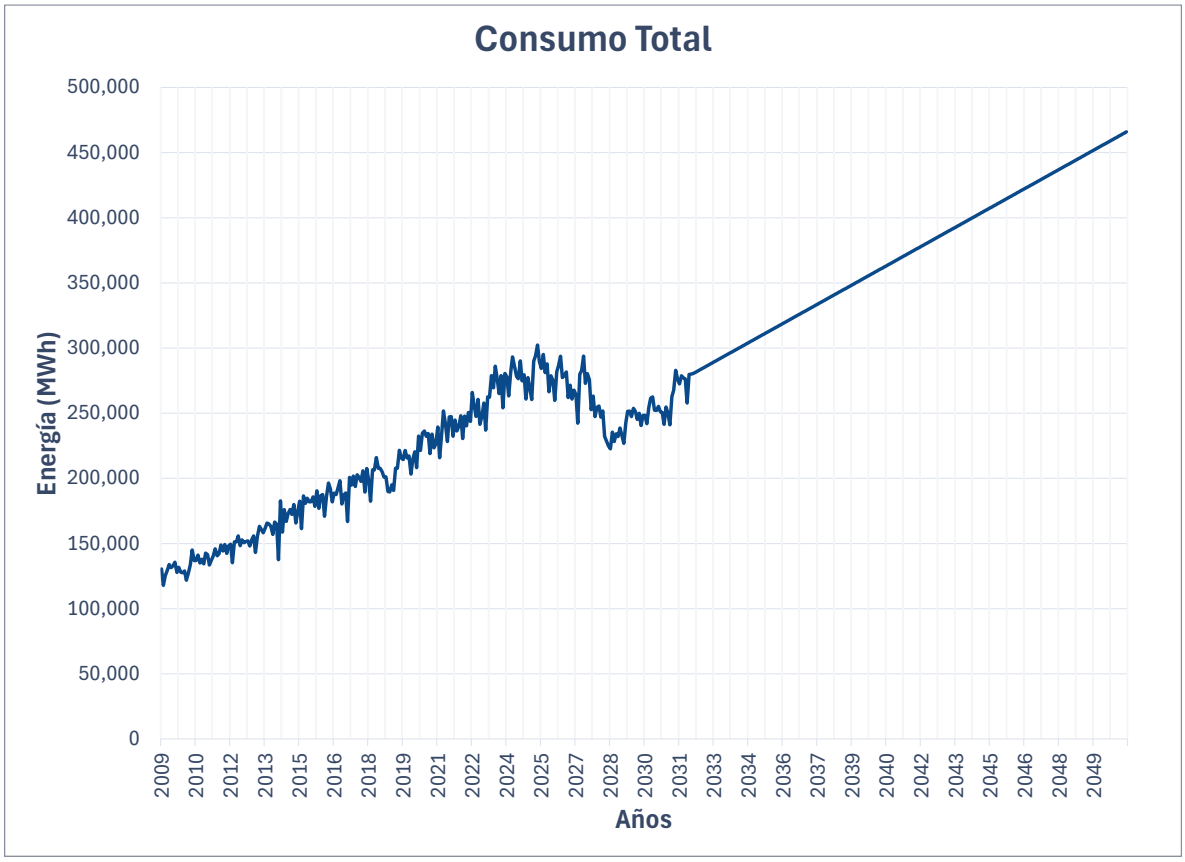


CONSUMO OTROS



CONSUMO TOTAL



CONSUMO TOTAL DEL PAÍS

