

ESCENARIO BASE FINAL
PROYECCIÓN DE DEMANDA DE ENERGÍA ELÉCTRICA 2017-2031
SISTEMA INTERCONECTADO NACIONAL - ENEE

REV.-NOV-16

CONCEPTO	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
VENTAS (MWh)															
RESIDENCIAL	2,501,785	2,624,658	2,752,752	2,876,109	3,006,900	3,162,828	3,323,424	3,488,797	3,663,504	3,834,321	4,021,803	4,215,183	4,402,781	4,596,400	4,796,298
COMERCIAL	1,674,936	1,756,256	1,839,106	1,923,484	2,009,394	2,096,841	2,185,825	2,276,348	2,372,860	2,462,023	2,557,180	2,653,886	2,740,309	2,828,094	2,917,335
CONSUMIDORES INDUST. MEDIANOS	761,275	811,183	866,206	914,940	969,727	1,026,638	1,085,766	1,147,205	1,215,498	1,277,412	1,346,394	1,418,108	1,480,839	1,546,350	1,614,864
CONSUMIDORES INDUST. GRANDES	1,100,996	1,160,127	1,219,332	1,278,610	1,337,964	1,393,486	1,450,895	1,510,273	1,576,154	1,635,290	1,701,119	1,769,293	1,828,085	1,889,247	1,952,989
OTROS (G, E.A, M, A.P)	458,817	469,878	480,973	492,102	503,265	514,463	525,695	536,961	548,261	559,596	570,965	582,368	593,806	605,277	616,783
VENTAS SIST. INTERCON. (ENEE)	6,497,810	6,822,102	7,158,370	7,485,246	7,827,250	8,194,257	8,571,605	8,959,584	9,376,277	9,768,643	10,197,460	10,638,839	11,045,818	11,465,368	11,898,269
Porcentaje de Crecimiento	6.3%	5.0%	4.9%	4.6%	4.6%	4.7%	4.6%	4.5%	4.7%	4.2%	4.4%	4.3%	3.8%	3.8%	3.8%
VENTAS EL CATEX	125,618	126,246	126,877	127,512	128,149	128,790	129,434	130,081	130,732	131,385	132,042	132,702	133,366	134,033	134,703
VENTAS PARK DALE	71,387	74,957	78,704	82,640	86,772	91,110	95,666	100,449	105,471	110,745	116,282	122,096	128,201	134,611	141,342
VENTAS OTRAS (Biomasa, Térmica y Eólica)	122,835	122,958	123,081	123,204	123,327	123,451	123,574	123,698	123,821	123,945	124,069	124,193	124,317	124,442	124,566
VENTAS TOTALES INTERNAS	6,817,651	7,146,263	7,487,033	7,818,601	8,165,499	8,537,608	8,920,279	9,313,812	9,736,302	10,134,719	10,569,854	11,017,831	11,431,703	11,858,454	12,298,880
Porcentaje de Crecimiento	6.0%	4.8%	4.8%	4.4%	4.4%	4.6%	4.5%	4.4%	4.5%	4.1%	4.3%	4.2%	3.8%	3.7%	3.7%
PÉRDIDAS (MWh)															
% del consumo total	31.63%	31.57%	31.51%	31.45%	31.39%	31.33%	31.27%	31.21%	31.15%	31.09%	31.03%	30.97%	30.91%	30.85%	30.79%
% de pérdidas convertidas en ventas	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%	87.40%
Pérdidas	2,913,951	2,991,352	3,073,143	3,149,463	3,231,583	3,323,938	3,419,736	3,519,061	3,604,218	3,728,649	3,842,292	3,960,106	4,129,546	4,304,158	4,483,695
CONSUMO SUMINISTRADO POR ENEE (MWh)															
CONSUMO EL CATEX	132,229	132,891	133,555	134,223	134,894	135,568	136,246	136,928	137,612	138,300	138,992	139,687	140,385	141,087	141,792
CONSUMO PARK DALE	75,144	78,902	82,847	86,989	91,339	95,905	100,701	105,736	111,023	116,574	122,402	128,522	134,949	141,696	148,781
CONSUMO OTRAS (Biomasa, Térmica y Eólica)	129,300	129,430	129,559	129,689	129,818	129,948	130,078	130,208	130,338	130,469	130,599	130,730	130,860	130,991	131,122
CONSUMO SUMINISTRADO AL SISTEMA SIN ENS	9,748,435	10,154,675	10,577,474	10,985,610	11,414,884	11,879,616	12,358,366	12,851,517	13,359,468	13,882,634	14,431,745	14,997,884	15,581,559	16,183,301	16,803,659
Porcentaje de crecimiento	5.00%	4.17%	4.16%	3.86%	3.91%	4.07%	4.03%	3.99%	3.95%	3.92%	3.96%	3.92%	3.89%	3.86%	3.83%
ENERGÍA NO SUMINISTRADA AL SISTEMA	56,575	56,632	56,689	56,745	56,802	56,859	56,916	56,973	57,030	57,087	57,144	57,201	57,258	57,315	57,373
CONSUMO TOTAL SISTEMA + ENS	9,805,010	10,211,307	10,634,162	11,042,355	11,471,686	11,936,475	12,415,282	12,908,490	13,416,498	13,939,721	14,488,889	15,055,085	15,638,817	16,240,616	16,861,032
Porcentaje de crecimiento	5.0%	4.1%	4.1%	3.8%	3.9%	4.1%	4.0%	4.0%	3.9%	3.9%	3.9%	3.9%	3.9%	3.8%	3.8%
DEMANDA (MW)															
FACTOR DE CARGA	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%	70.11%
DEMANDA SUMINISTRADA POR ENEE SIN PNS	1,532.5	1,597.9	1,666.0	1,731.6	1,800.7	1,875.5	1,952.5	2,031.9	2,113.6	2,197.7	2,286.1	2,377.1	2,471.0	2,567.7	2,667.4
Porcentaje de crecimiento	5.13%	4.27%	4.26%	3.94%	3.99%	4.15%	4.11%	4.06%	4.02%	3.98%	4.02%	3.98%	3.95%	3.92%	3.88%
DEMANDA EL CATEX	14.1	15.1	16.1	17.1	18.1	19.1	20.1	21.1	22.1	23.1	24.1	25.1	26.1	27.5	28.8
DEMANDA PARK DALE	11.3	11.3	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
DEMANDA OTROS (Biomasa, Térmica y Eólica)	15.7	15.7	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9
DEMANDA SUMINISTRADA AL SISTEMA SIN PNS	1,573.6	1,640.0	1,709.1	1,775.8	1,845.86	1,921.69	1,999.76	2,080.13	2,162.88	2,248.05	2,337.41	2,429.49	2,524.38	2,622.51	2,723.62
Porcentaje de crecimiento	5.1%	4.2%	4.2%	3.9%	3.9%	4.1%	4.1%	4.0%	4.0%	3.9%	4.0%	3.9%	3.9%	3.9%	3.9%
DEMANDA NO SUMINISTRADA AL SISTEMA (PNS)	41.7	41.7	41.8	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.2	42.2	42.3
DEMANDA TOTAL SISTEMA + PNS	1,615.2	1,681.7	1,750.9	1,817.6	1,887.7	1,963.6	2,041.7	2,122.1	2,204.9	2,290.1	2,379.5	2,471.6	2,566.5	2,664.7	2,765.9
Porcentaje de crecimiento	4.9%	4.1%	4.1%	3.8%	3.9%	4.0%	4.0%	3.9%	3.9%	3.9%	3.9%	3.9%	3.8%	3.8%	3.8%
MW ADICIONALES POR AÑO	75.9	66.5	69.1	66.7	70.1	75.9	78.1	80.4	82.8	85.2	89.4	92.1	94.9	98.2	101.2