

Table 8-7 below shows the expected capacity and energy price hedge additions based on the 2021 IRP plan.

Table 8-7
EKPC Projected Additions and Reserves
(MW)

Year	Energy Additions	Base Load Capacity Additions		Peaking/		Total Capacity		Reserve Requirements ¹³		Reserve	
				Intermediate Cap. Additions						Margin	
		Win	Sum	Win	Sum	Win	Sum	Win	Sum	Win	Sum
2022	100					3,534	3,132	0	75	4%	25%
2023	110					3,534	3,198	0	77	2%	22%
2024	200					3,534	3,318	0	78	2%	20%
2025						3,534	3,318	0	78	2%	20%
2026	200					3,534	3,438	0	79	1%	19%
2027	200					3,534	3,558	0	79	1%	19%
2028						3,534	3,558	0	80	0%	18%
2029						3,534	3,558	0	80	0%	17%
2030						3,534	3,558	0	80	0%	17%
2031	200					3,534	3,678	0	81	0%	16%
2032 ¹⁴	200			225	170	3,659	3,968	0	81	5%	22%
2033						3,659	3,968	0	82	5%	21%
2034						3,659	3,968	0	82	4%	20%
2035						3,659	3,968	0	83	4%	19%
2036						3,659	3,968	0	83	3%	19%

EKPC will work with Federal and State stakeholders to ensure the economic viability of future and existing resources to meet the challenges and opportunities surrounding climate change. EKPC is driven to use its assets to deliver reliable, affordable and sustainable energy from appropriately diversified fuel sources. EKPC will carefully manage its portfolio of assets and pursue diversity of supply resources, including DSM/EE programs, market-based opportunities and risk related to climate change regulation/legislation. EKPC will continue to research and learn about related issues and opportunities.

EKPC is concerned about future reliability of the interconnected electric system and believes that conventional resources will continue to be required as the system shifts to renewable and clean

¹³ Based on PJM reserve requirements

¹⁴ Only generation added for the purpose of covering summer peak load capacity obligations is considered “capacity” additions. All other intermittent or seasonal purchases are made to hedge the energy price exposure to the EKPC system and not to supply “capacity” to its portfolio or the PJM system.