

annualized fixed costs for capital are included along with the variable costs associated with a particular resource. Resources considered included:

Traditional Resources

Table 8-2

Resource	Capacity Type	Capacity (MW)	Primary Fuel	Projected Capital Cost (2020\$) *	
				\$/kW	\$M
LMS100 CT	Peaking	100	Natural Gas	1169	117
7F SCGT	Peaking	225	Natural Gas	709	160
Combined Cycle	Peaking/Intermediate	418	Natural Gas	1082	452
Solar	Intermittent	150	Solar	1778	267
Solar	Power Purchase	100	Solar		
PPA - Winter Seasonal Market	Power Purchase	100	n/a		

* Capital Costs Source: National Renewable Energy Laboratory (“NREL”) Annual Technology Baseline (“ATB”) 2021

Capital Costs Source: Energy Information Administration (“EIA”) Annual Energy Outlook (“AEO”) 2021

Market Cost Source: NRCO Power Marketing Forecast, November 2021

Renewable and Partnering Opportunities

EKPC is a member of the National Renewables Cooperative Organization (“NRCO”). NRCO offers cooperatives access to the necessary resources to thoroughly evaluate renewable energy projects without the expense of a dedicated staff. NRCO is active in the renewable energy marketplace on behalf of its members and customers, providing a centralized source of intelligence and opportunities. NRCO evaluates projects, presenting only the most promising to its members. NRCO facilitates transmission constraint modeling, Renewable Energy Credit market analysis, and engineering studies, and packages these into comprehensive recommendations. NRCO offers an established subscription process to participate in specific projects and can help members and customers with the ongoing operations and maintenance of those projects. By aggregating demand amongst multiple power supply cooperatives, NRCO offers developers a venue for efficiently reaching a larger and more diverse set of buyers. To date, EKPC has participated in the evaluation of out-of-state wind projects but has not found any that fit its generation expansion needs. NRCO assisted with the RFP, contract, and installation of the Cooperative Solar Farm One. The RFP