

Table 1: Resource Screening Analysis Results

	Demand-Side Resources	Generation Resources (2018 Dollars)				
	Demand Conservation Program. ³	Peaking		Baseload/ Intermediate	Renewables	
		SCCT	Battery Storage	NGCC	Non-KY Wind	PV Solar
Summer Capacity (MW) ⁴	127	201	1-500	368	50-500	1-500
Winter Capacity (MW) ⁴	0	220	1-500	429	50-500	1-500
Contribution to Summer Peak	100%	100%	100%	100%	15%	80%
Contribution to Winter Peak	0%	100%	100%	100%	33%	0%
Net Capacity Factor	N/A	5-90%	5-40%	10-90%	40-50%	18-22%
Heat Rate (MMBtu/MWh) ⁵	N/A	9.8	N/A	6.4	N/A	N/A
Capital Cost (\$/kW) ⁵	N/A	911	2,073	1,070	1,515	1,093
Fixed O&M (\$/kW-yr) ⁵	18	13	9	11	53	10
Firm Gas Cost (\$/kW-yr) ⁶	N/A	22	N/A	19	N/A	N/A
Variable O&M ⁵	\$5/customer	\$7.31/MWh	\$2.72/MWh	\$2.83/MWh	N/A	N/A
Fuel Cost (\$/MWh)	N/A	27.90	N/A	18.36	N/A	N/A
Transmission Cost (\$/MWh)	N/A	N/A	N/A	N/A	12	N/A

In Table 1, inputs for the DCP reflect program modifications approved in the Companies' most recent DSM filing. Most of the cost and operating inputs for the generation resources were taken from the

³ Inputs for the DCP reflect program modifications approved in the Companies' most recent DSM filing. The summer capacity of this program is forecast to decrease from 127 MW in 2018 to 87 MW in 2021 due to customer attrition, but any actual decline is uncertain. Fixed O&M is the annual cost that could be saved if the DCP was discontinued.

⁴ NREL's 2018 ATB did not specify capacity values. The capacities shown are representative of typical installations.

⁵ Source: NREL's 2018 ATB (<https://atb.nrel.gov/>). The Companies inflated NREL's cost forecasts, which were provided in real 2016 dollars, to nominal dollars at 2% annually.

⁶ Firm gas transportation costs are based on the cost of firm gas transportation for Cane Run 7 and the Trimble County SCCTs.