

# Optimization Model

## Scenario Summary

Scenario	Energy Source	Cost (\$MM)	CO <sub>2</sub> Emissions	On-Site Production (Hot Water/Elec.)
Baseline	Hot Water, Grid	2.47	6,800	100%/0%
Min Cost	CHP, Grid	1.98	6,600	100%/58%
Reduce CO <sub>2</sub> (No Wind)	CHP, Grid, PV	2.25	5,600	100%/86%
Reduce CO <sub>2</sub>	CHP, Grid, Wind	2.05	5,600	100%/58%