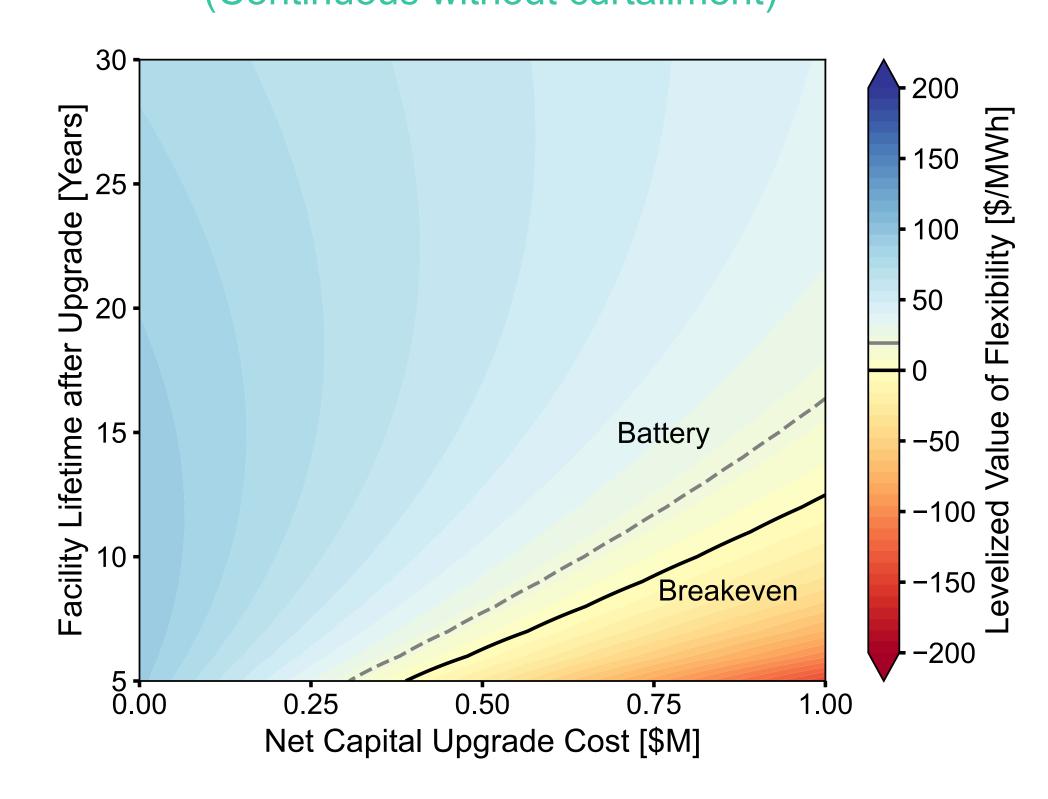
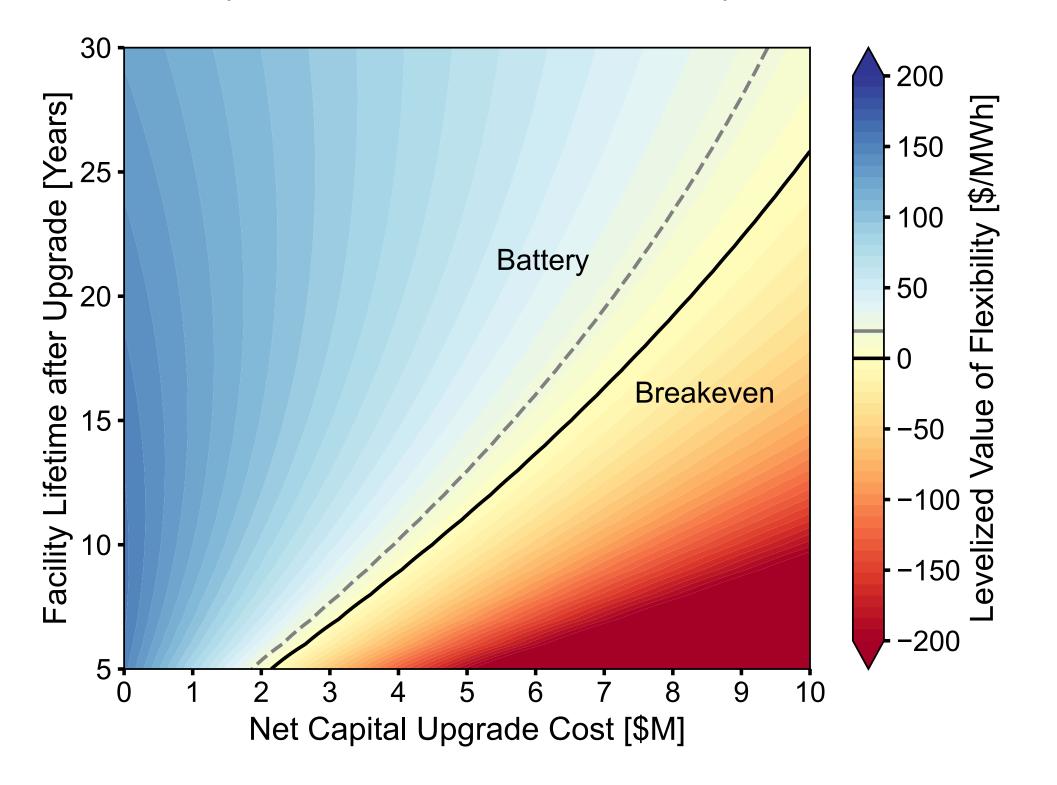
a. Advanced Water Treatment

(Continuous without curtailment)

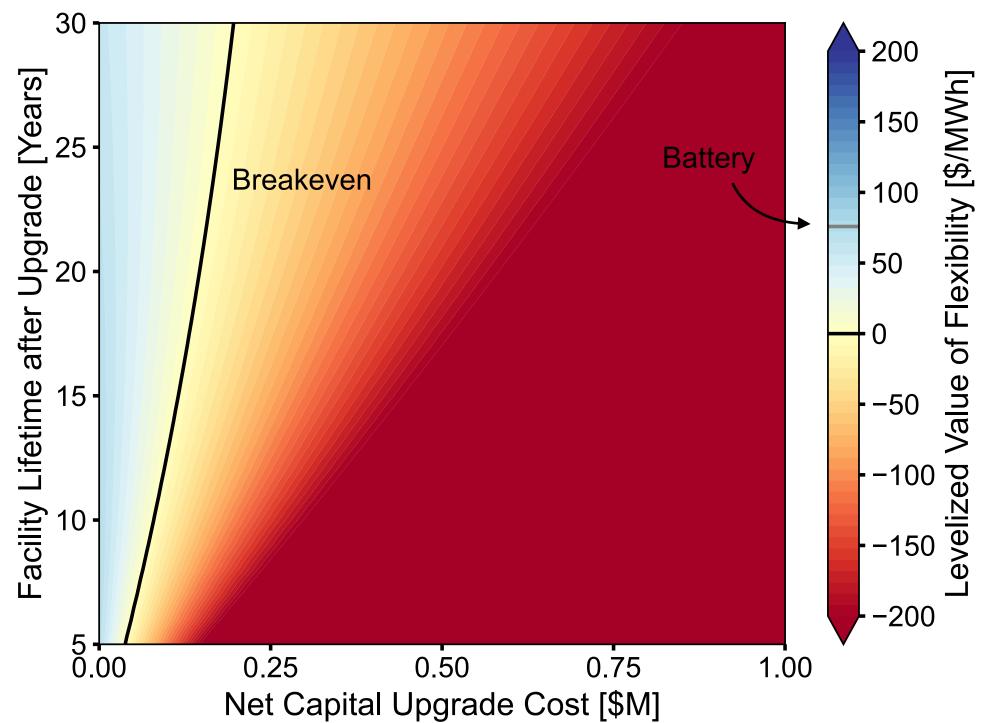


b. Advanced Water Treatment

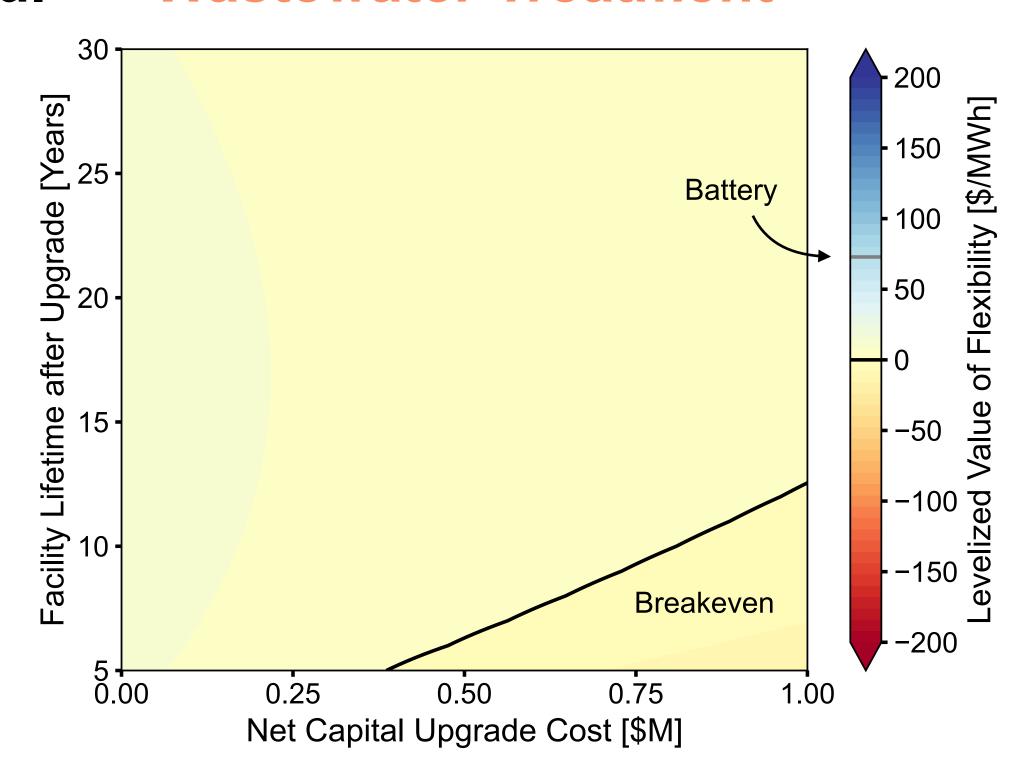
(Intermittent with curtailment)



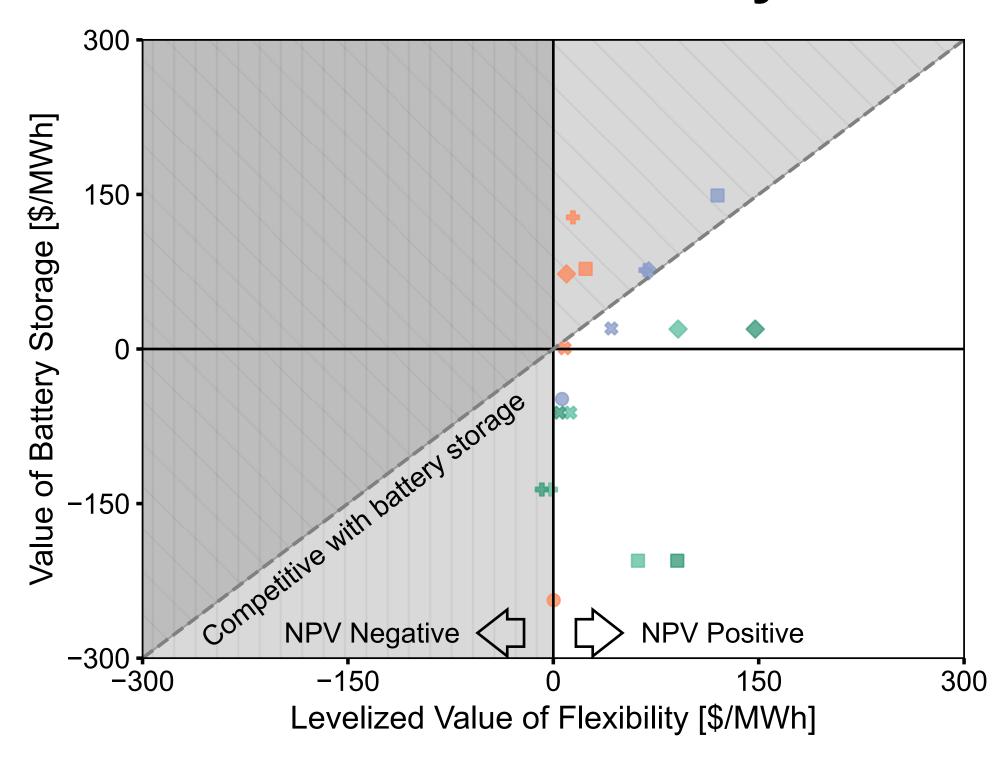
Water Distribution



d. **Wastewater Treatment**



Tariff Scenario Analysis e.



Case Study Legend

Water Assets

Advanced Water Treatment (Intermittent with Curtailment)

Advanced Water Treatment Continuous without Curtailment

Water Distribution

Wastewater Treatment

Breakeven cost of flexible

Levelized value of installing an on-site battery to baseline

Santa Barbara, CA (SBCE)

Tariff Structure

- San Jose, CA (PG&E)
- New York, NY (CONED)
- * Tampa, FL (TECO)
- Houston, TX (CPE)

Asset Benchmarks

load operation (NPV = 0)

water system.

Scenario trade-offs

Cost-competitive

Not competitive

NPV-negative

Water Utility	Energy Provider	Symbol	Net Present Value (\$)	Energy Capacity (MWh)	Levelized Cost of Flexibility (\$/MWh)	Value of Battery Storage (\$/MWh)
Advanced Water Treatment (intermittent with curtailment)	Santa Barbara Clean Energy		1,553,000	17,000	91.1	19.3
Water Distribution	Tampa Electric Company	**	65,000	1,500	42.4	19.9
Wastewater Treatment	Consolidated Edison	+	2,375,000	165,800	14.3	127.8