

C2C model results (DRAFT!)

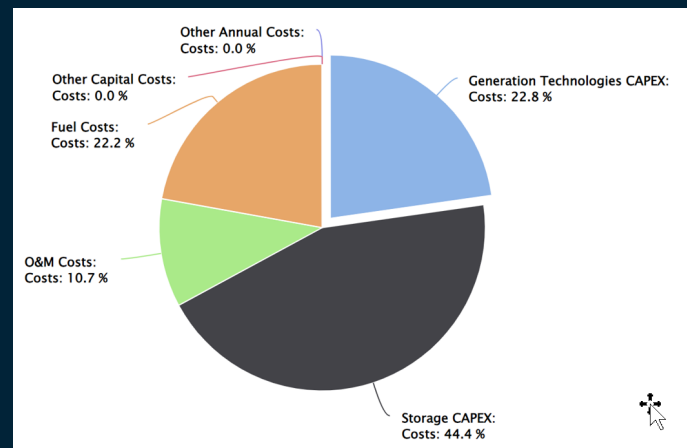
Parameters	
Input: Fuel Cost	\$4
Input: Federal incentives	40%
System size- PV Size, battery capacity with existing 575 kW diesel generators	438 kW solar, 1439 kWh battery
Demand met by PV plus Battery	85%
Annual Generator runtime (hours)	915 hours (=2.5 hours/day)
Levelized Cost of Energy	0.177 per kWh
Total Upfront Capital Cost Before Incentives	\$1,609,226



Clean Energy to Communities (C2C) is an **innovative, technical program** that helps electric utilities, local governments, and community-based organizations meet their **progressive clean energy goals**.

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Options

1. Keep running on generators: Fuel cost alone (at \$4/gal) is **\$0.56/kWh**
2. Buy solar panels and batteries to cover 85% of the load to be financed with a loan: LCOE is **\$0.18/kWh**. This includes non-capital costs: remaining fuel costs, O&M etc. (It is unclear if TUID would qualify for a loan)
3. Buy solar panels and batteries with a grant for the capital costs: Non-capital costs are **\$0.06/kWh**
4. Power Purchase Agreement with renewable energy provider: offers have ranged between **\$0.15 and \$0.25/kWh**. It is not clear if this would cover all anticipated use or who would be responsible for fuel costs if it would not cover all.

Note: None of the scenario addresses the cost

