Redwood Coast Airport Renewable Energy Microgrid

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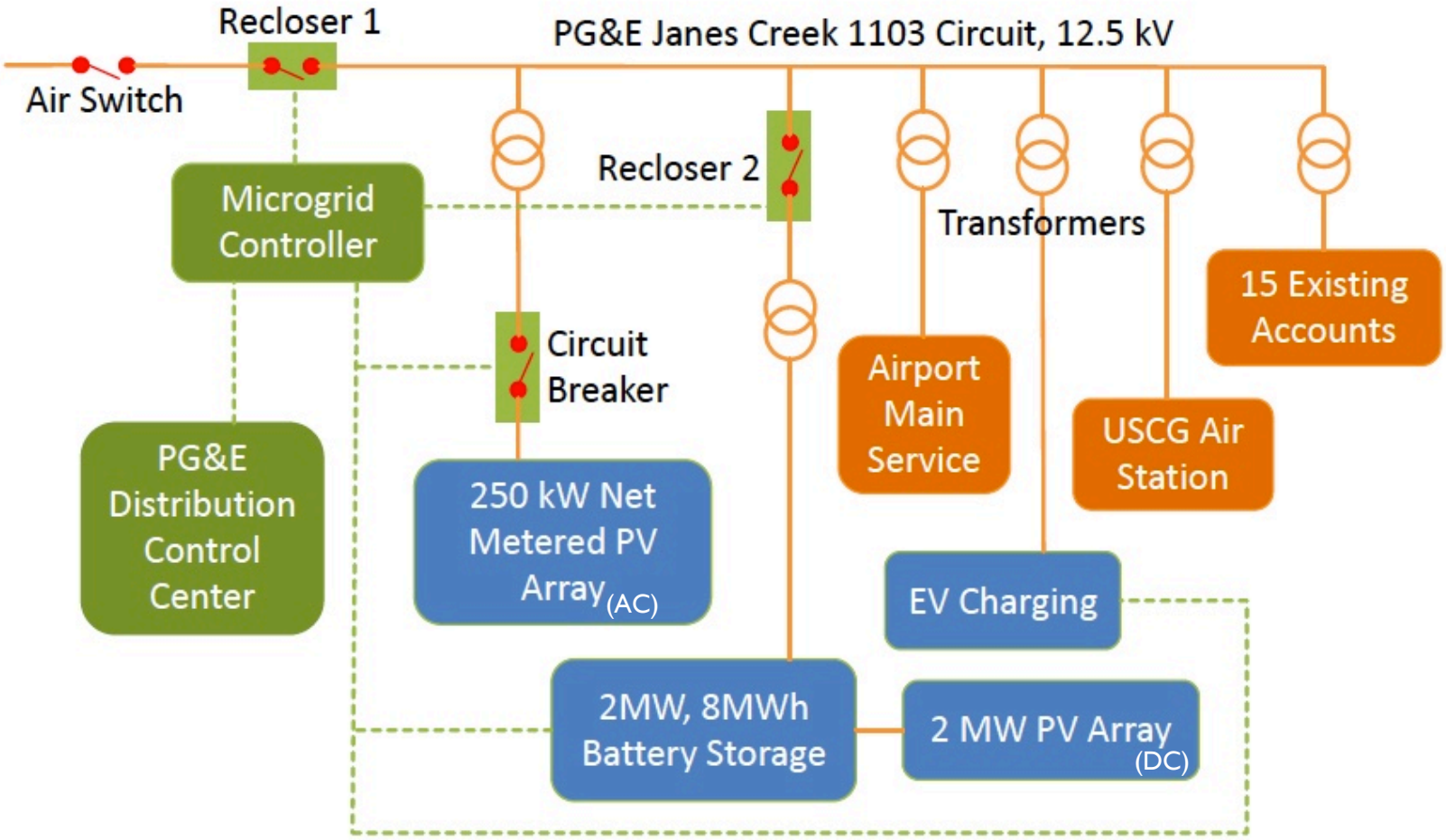
2.4 MW_{DC} PV Array (7 acres)

2 MW/8 MWh battery energy storage (DC-coupled)

How will it work?



Schedule

Year/Quarter	Activity/milestone
Q1 2020	Design/engineering work complete, construction begins
Q4 2020	Construction complete
Q1 2021	Commissioning complete
2021-2022	Data collection, evaluation and reporting
Q1 2023	CEC contract ends
2020-2045	Project/lease continues

What is innovative?

- 1st front-of-the-meter, multi-customer microgrid in PG&E's territory
- 1st PG&E microgrid to have visibility and control capabilities from their distribution control center
- DC-coupled PV and battery system
- DER wholesale market participation in the CAISO market
- Development of policies, procedures, standards, tariffs, etc. → critical to project replication, dovetails nicely with SB1339 microgrid tariff
- Partnership between an IOU and a CCA

Value of project to ratepayers

Replicability

- Demonstrate a replicable business model
  - Goals to develop local renewable resources, especially solar PV
  - Mandate to provide storage = 1% of peak load by 2020
  - Locate solar and storage together
  - Locate near critical facilities, add microgrid controls and gain resilience
- Pave the way for more front-of-meter, multi-customer microgrids
- Provide opportunities for stakeholder involvement & outreach

Opportunities for stakeholder involvement

If you are interested to learn more, contact:

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Indicate that you are interested in one or more of the following three categories:

1. Tariff → Experimental tariff development
2. Business model → Business model evaluation and replication
3. General → General project status and success


Thank You