



Airport Microgrid (Burns McDonnell)

Scope

- Estimate solar and storage capacity of the airport and Golf Course parking lot
- Complete studies for airport FAA regulatory purposes
- Evaluate three potential solar and battery storage microgrid designs under varied operational scenarios

Tentative Timeline

- Study in progress, aiming for completion by early summer 2025



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Scenario Definitions

Critical Loads	Outage Type #1	Outage Type #2	Outage Type #3 (tentative)
1. Airport	•September outage •6-hour outage	•September outage •3 days	To be determined
2. Airport + Regional Water Quality Control Plan (RWQCP)	•September outage •3 days (airport) •6 hours (RWQCP)	•December outage •3 days (airport) •6 hours (RWQCP)	
3. Airport + EV Charging Hub (10 Level 3 chargers)	•September outage •3 days (airport) •200 vehicles/day	•December outage •3 days (airport) •200 vehicles/day	

Feedback requested

- Will these critical load scenarios provide adequate insight on microgrid costs, benefits and operational characteristics to inform future consideration of microgrid opportunities in Palo Alto?