



DER Growth: Load Forecast & Customer Data

Appendix F1



2022 Partnership Pilot Locations



Candidate Deferral	GNA Facility Name	In-Service Year
Carlotta Bank 2	Carlotta 1121	2025
Gabilan Bank 2*	Gabilan Bank 1	2025
	Gabilan 1101	
Vasona 1109*	Saratoga 1104	2025

* CUSTOMER CONFIDENTIAL due to peak loads violating the 15-15 customer privacy rule



Carlotta Bank 1, and Carlotta 1121

CARLOTTA BANK 2 DEFERRAL OPPORTUNITY



Technical and Operational Requirements

- 0.58 MW must be sourced at Carlotta 1121 for Tranche 1

Carlotta 1121				
Tranche #	In-Service Year	Acceptance Trigger (MW)	Targeted Procurement Goal (MW)	Procurement Cap (MW)
1	2025	0.52	0.58	0.70
2*	2026	0.60	0.67	0.80
3*	2027	0.65	0.72	0.86
4*	2028	0.71	0.79	0.95
5*	2029	0.77	0.86	1.03
6*	2030	0.84	0.93	1.12
7*	2031	0.92	1.02	1.22

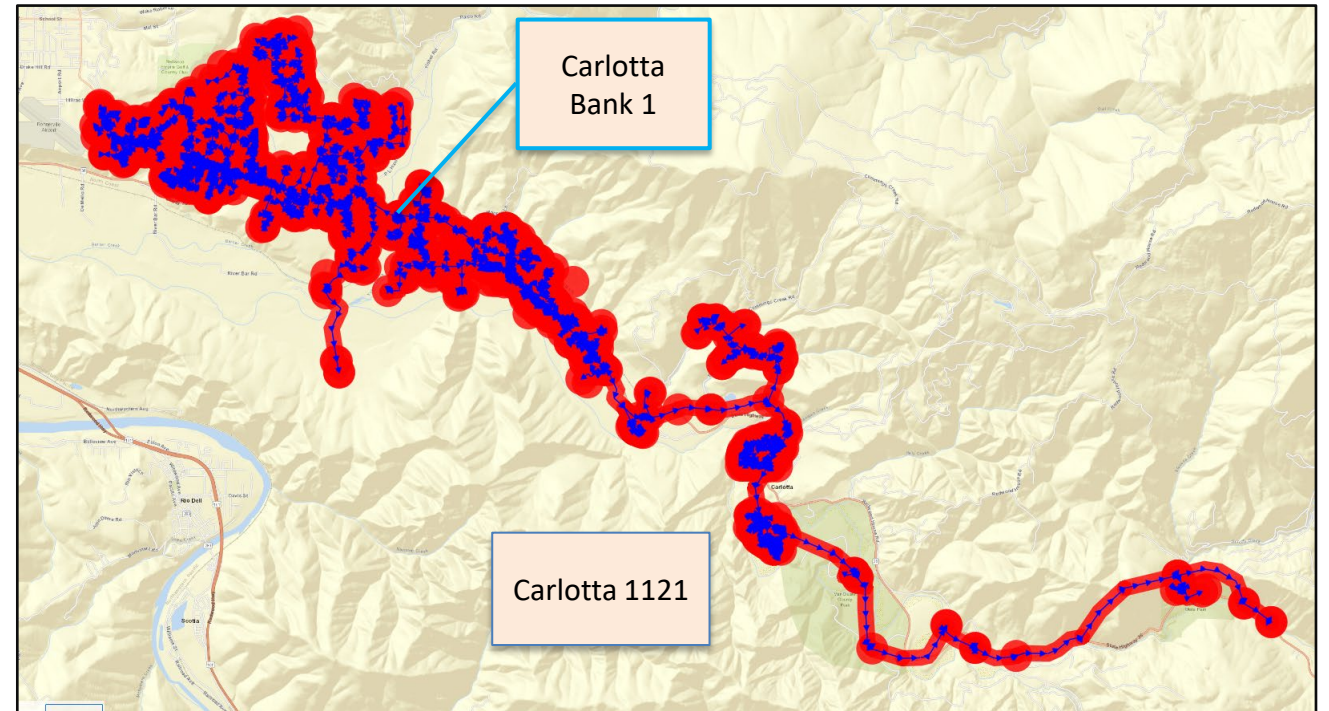
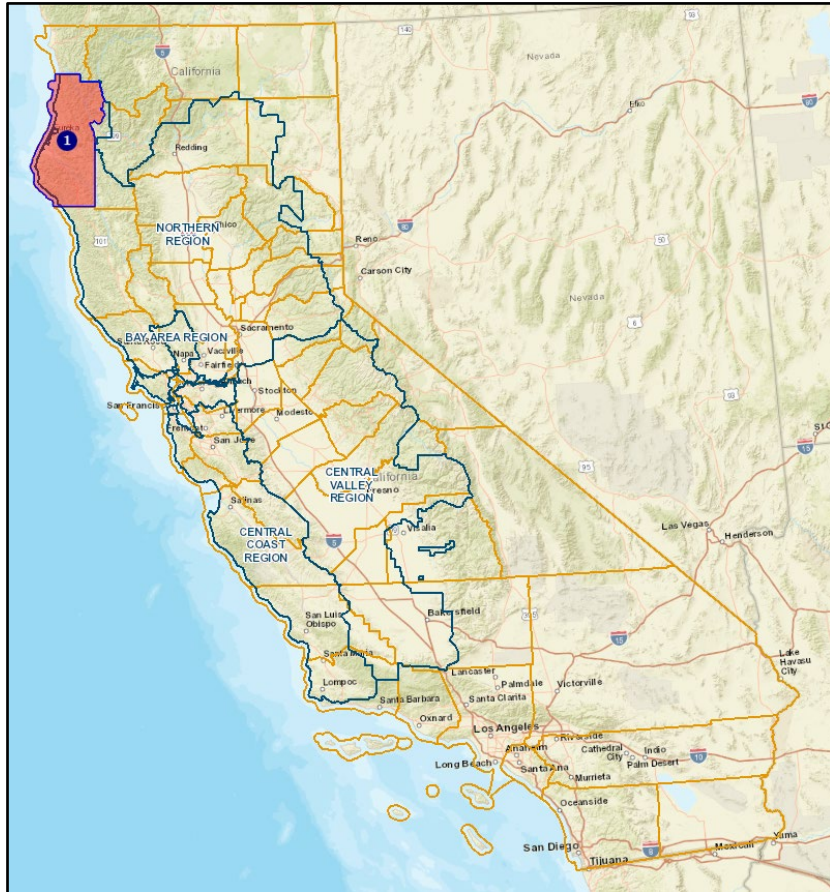
Candidate Deferral	Expected Performance and Technical Requirement										
	GNA Facility Name	Tranche	In-Service Year	Requirement	Real Time (RT) or Day Ahead (DA)	Grid Need (MW)	Month	Delivery Days	Calls/Year	Hours	Duration (Hours)
Carlotta Bank 2	Carlotta 1121	1	2025	A	DA	0.58	1-12	Mon – Sun	365	6AM-12PM, 3PM-12AM	8

*Procurement goals for tranches subsequent to Tranche 1 will be updated annually via our distribution planning process



Carlotta 1121 Location Overview

Location Fortuna District



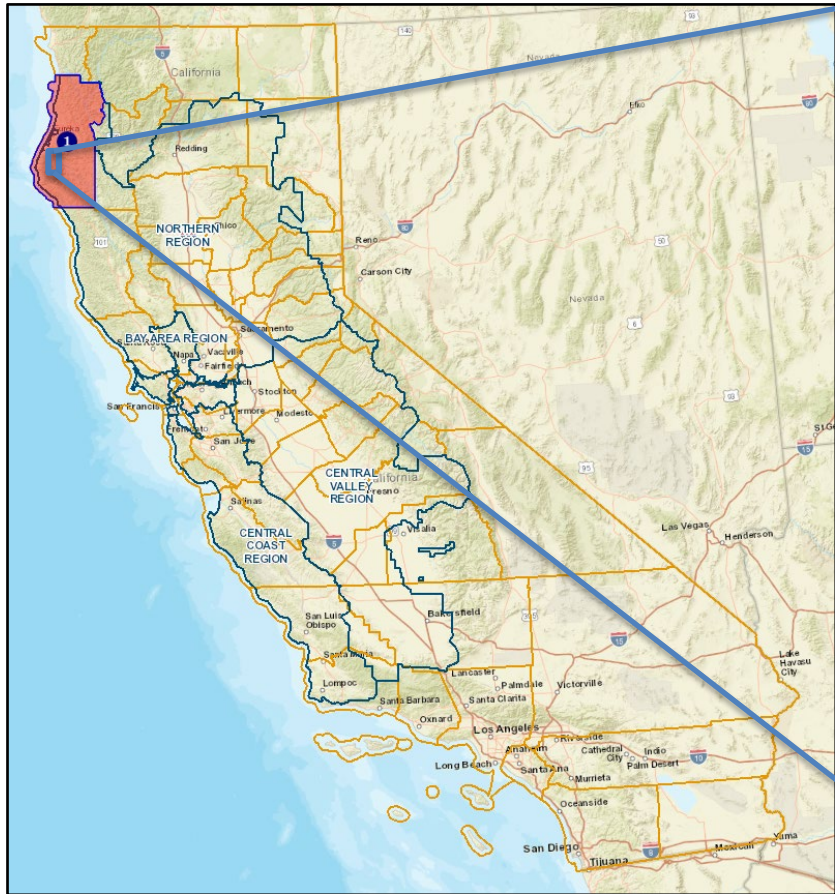
- **Equipment:** Feeder 1121
- **Electrical Service:**
 - 12 kV feeder

Candidate Deferral	GNA Facility Name	In-Service Year	Grid Need (MW)
Carlotta Bank 2	Carlotta 1121	2025	0.58

Public

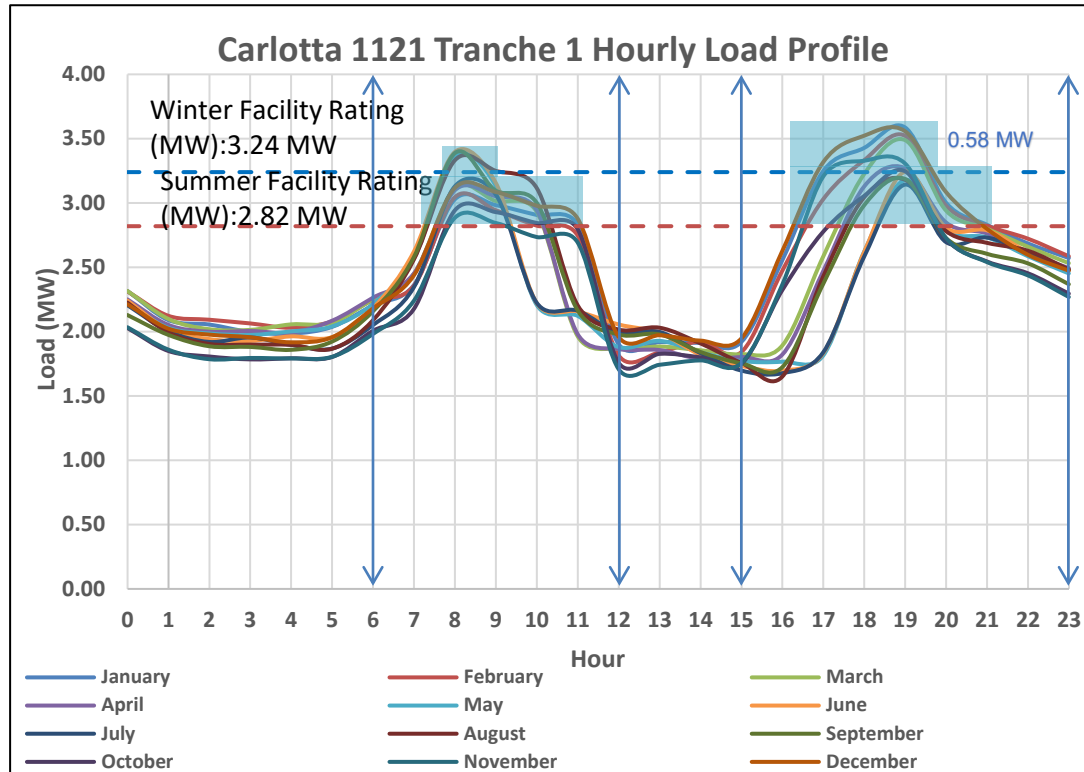


Carlotta 1121 Service Area





Technical and Operational Requirements

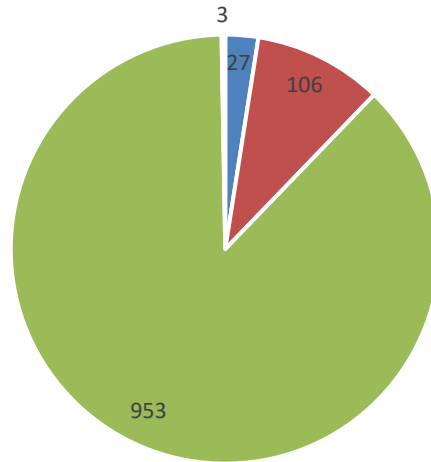


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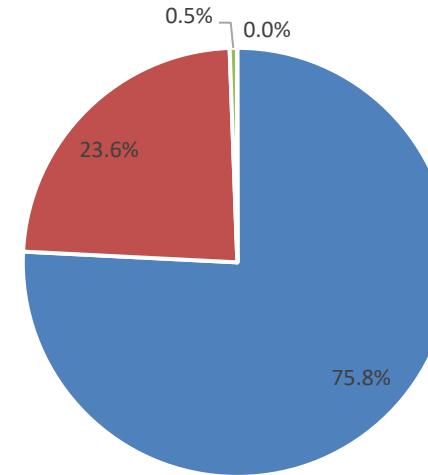


Load by Customer Class – Carlotta 1121 (Peak Load Day – May 18th, 2021)

Customer Count



Peak Day Load by Customer Class (%)



■ Agricultural ■ Commercial/Industrial ■ Residential ■ Other

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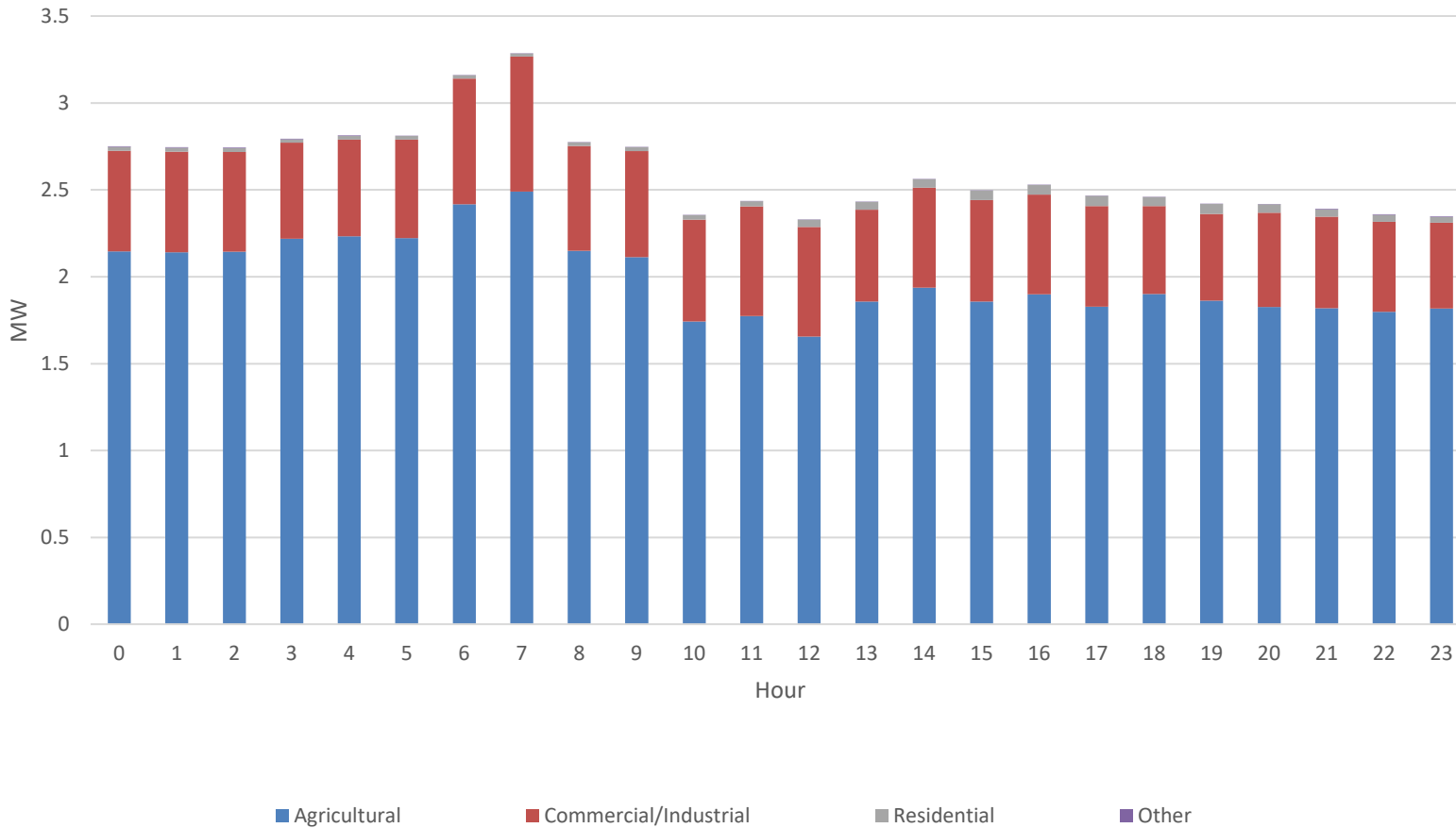
Customer Class	Total Customer Count	Peak Day Load (MW)
Agricultural	27	2.49
Commercial/Industrial	106	0.78
Residential	953	0.02
Other	3	0.00
Total	1,089	3.29

Public



Load by Customer Class – Carlotta 1121 (Peak Load Day – May 18th, 2021)

Peak Day Hourly Load Profile by Customer Type



Historical 2021		
Observed Peak Load (MW)	Installed DERs	
	Solar PV (MW)	Mixed (MW)
3.3	0.39	0.04