

Wholesale Renewable Energy Power Purchase Agreements

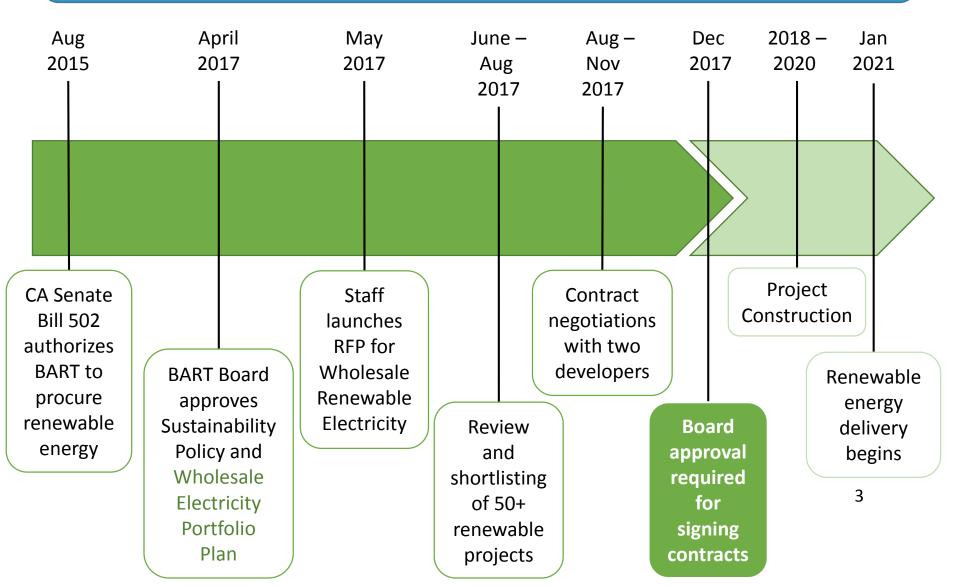


BART Board of Directors December 7, 2017

District Energy Facts

- District uses about 400,000 MWh every year, slightly more than the City of Alameda, making it one of the largest users in Northern CA.
- District electricity costs are about \$41 million per year.
- Electricity is the 2nd largest cost after labor.
- Currently about 4% of the District's electricity portfolio comes from renewable energy. With the execution of these PPAs, about 90% of the portfolio will come from renewable energy in 2021 and about 75% beginning in 2025, as the District's load increases.

Dimeise of Renewable Energy Procurement





- 1. Maintain a long-term cost advantage compared to rates that BART would otherwise pay as a bundled utility customer; and
- 2. Maintain per unit energy costs within BART's Short Range Transit Plan (SRTP) projections; and
- 3. Achieve a portfolio that:
 - Has an average emission factor no greater than 100 lbs-CO2e/MWh during the period 2017 through 2024 (inclusive).
 - Is from at least 50% Eligible Renewable sources and from at least 90% low and zero carbon sources by 2025.
 - Is 100% from zero carbon sources by 2035.
 - Is 100% from Eligible Renewable sources by 2045.

Boo Renewable RFP Objectives

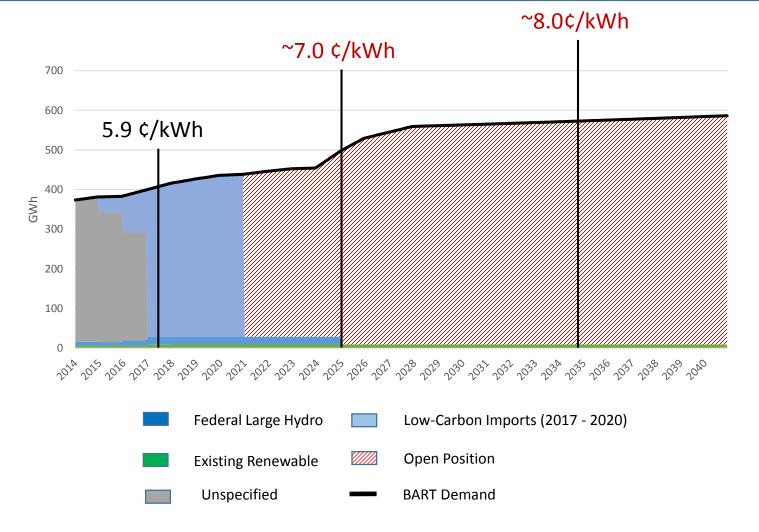
- Align procurement with Board Policy.
- Purchase long-term (10-30 year) renewable supply at stable, competitive prices.
- Ensure developers are experienced and creditworthy, and contracts mitigate BART's exposure to market, development and production risks.
- Ensure projects are realistic and far along in preconstruction planning.
- Ensure BART's risks during delivery terms are minimized.



Renewable Energy Contract Details

Developer	NextEra Energy	Recurrent Energy
Project Name	Sky River	Gaskell West 2
Technology	Wind Energy	Solar Energy
Location	Kern County (East of Bakersfield)	Kern County (Southeast of Bakersfield)
Term	1/1/2021 – 12/31/2040	1/1/2021 - 12/31/2040
Project Size	61.7 MW	45 MW
Expected Output	257,000 MWh/Year	142,000 MWh/Year

BART Energy Supply without Renewable Contracts



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BART Energy Supply with Renewable Contracts

