

SCE Bioenergy Market Adjusting Tariff (BioMAT)  
Presentation to Alternative Technology Advisory  
Subcommittee for the LA County Integrated Solid Waste  
Task Force

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# Anti-Trust Guidelines & Document Conflict

## ***Anti-trust:***

- All participants in today's meeting shall comply with anti-trust guidelines. These guidelines direct meeting participants to avoid discussions of topics or behavior that would result in anti-competitive behavior, including restraint of trade and conspiracy to create unfair or deceptive business practices or discrimination, allocation of production, imposition of boycotts and exclusive dealing arrangements.

## ***Document Conflict:***

- This presentation is intended to be a summary level discussion of the market adjusting pricing mechanism established for the BioMAT program. To the extent that there are any inconsistencies between the information provided in this presentation and the requirements in the BioMAT Tariff and PPA, the BioMAT Tariff and PPA shall govern.

# DISCLAIMER

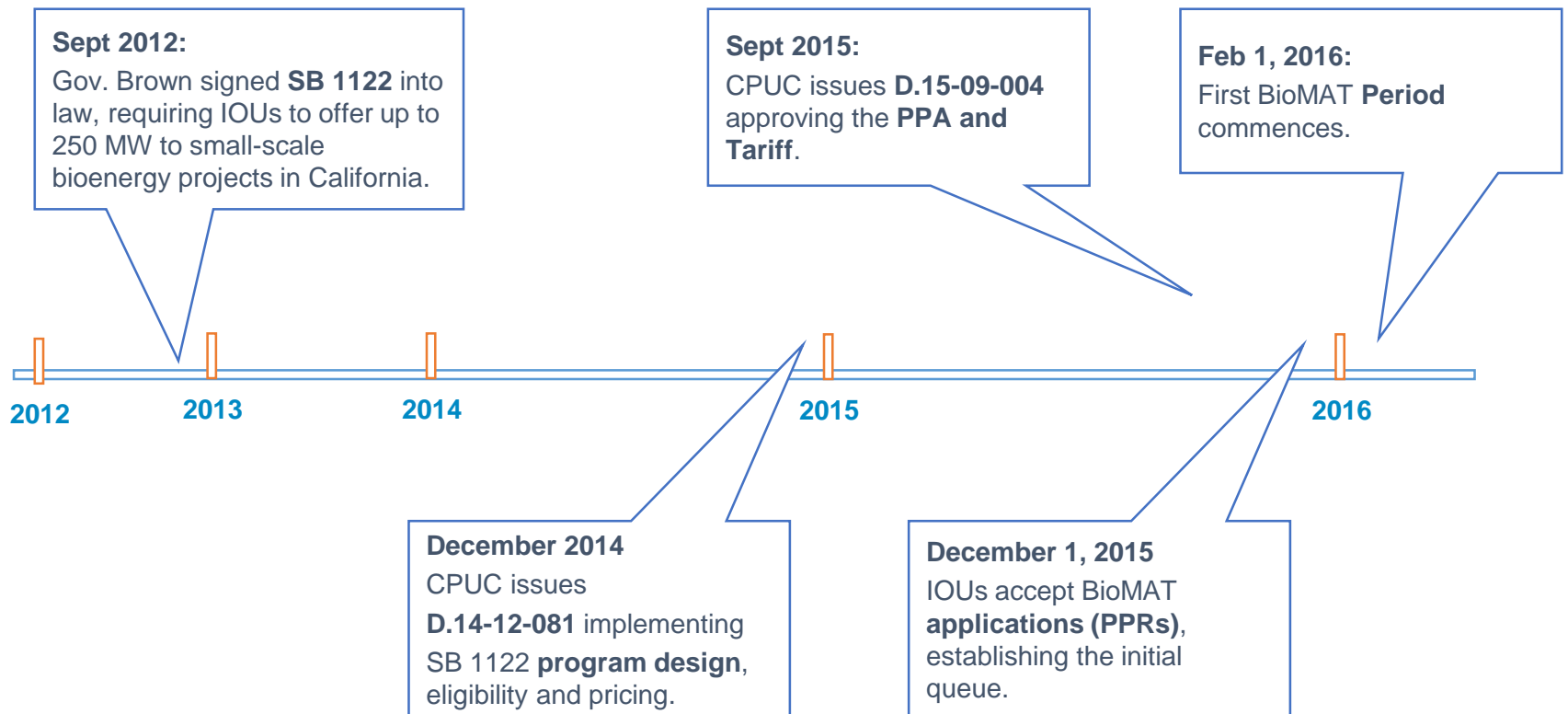
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What is BioMAT?

# What is BioMAT?

- **Legislation:** Implements Senate Bill (SB) 1122, which amended Public Utilities Code 399.20 (the feed-in tariff provisions) of CA's renewables portfolio standard ("RPS") program
- **Procurement Obligation:** Requires California's three investor-owned utilities (Pacific Gas and Electric, San Diego Gas & Electric, and Southern California Edison, or collectively, "IOUs") to award up to 250 MW statewide to eligible bioenergy generators sized up to 3 MW under long-term wholesale power purchase agreements ("PPAs").
- **Program Design:** The Bioenergy Market Adjusting Tariff ("BioMAT") is modeled largely after the existing Renewable Market Adjusting Tariff ("ReMAT"), which implements SB 32 for all renewable generators.
- **Program Duration:** The program is available until February 2021, provided capacity remains in the program.
- **Transaction:** Generators can export all output (Full buy/sell) or serve site host load first and export the rest to the IOU (Excess Sale) under PPAs of 10, 15 or 20 year terms.
- **Pricing:** Available contract price started at \$127.72/MWh in Period 1 (February 2016). Once a PPA is executed, the Contract Price is fixed over the Delivery Term. Available prices have the potential to adjust every 2 months and are set according to market acceptance and market depth on a statewide (all IOU) basis.

# Implementation Timeline

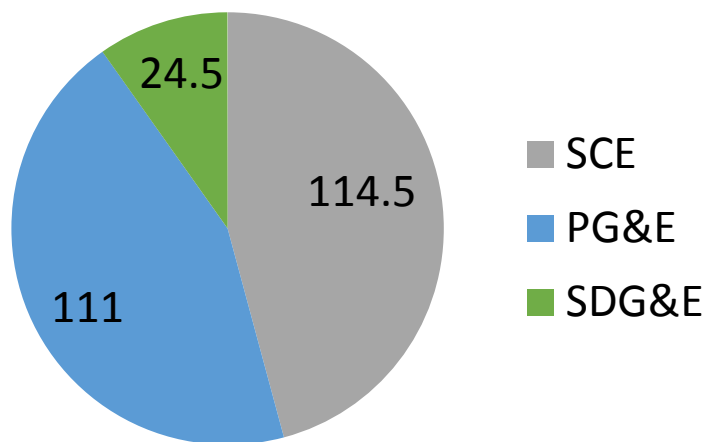


# BioMAT Fuel Source Categories

|   |  |
|---|--|
| <p><b>Category 1:</b></p> <p>Biogas, including digester gas and any gas derived from a biomass feedstock eligible under the RPS that is derived from wastewater treatment, municipal organic waste diversion, food processing, or codigestion (80% of fuel resource must be category 1, and 20% can be from any category)</p>             | <p><b>Category 2a (Dairy):</b></p> <p>Biogas derived solely from the anaerobic digestion of dairy waste (100% of fuel resource(s) must be from Category 2a)</p>  |
| <p><b>Category 2b (Other Ag):</b></p> <p>Biogas or biomass derived from a facility that is located on agricultural premises and utilizes the waste, residue or by products of growing crops, raising livestock or growing horticultural products (80% of fuel resource(s) must be from Category 2b, and 20% can be from any category)</p> | <p><b>Category 3:</b></p> <p>Biogas or biomass that is derived from fire threat reduction, fire safe clearance activities, infrastructure clearance projects, or other sustainable forest management (80% of fuel resource(s) must be from Category 3, and 20% can be from any category)</p> |

# 250 MW Statewide Allocation

## IOU Allocation (MW)



| Category                | SCE   | PG&E  | SDG&E |
|-------------------------|-------|-------|-------|
| 1. Various Biogas       | 55.5  | 30.5  | 24.0  |
| 2. Dairy & Other Ag     | 56.5  | 33.5  | 0.0   |
| 3. Sustainable Forestry | 2.5   | 47.0  | 0.5   |
| Total                   | 114.5 | 111.0 | 24.5  |



# Basic Eligibility Criteria

|  |  |
|--|--|
| <b>Physical Location</b>                         | Applicable IOU's Service Territory.  |
| <b>Nameplate Capacity/<br/>Contract Capacity</b> | The Nameplate Capacity cannot exceed 5 MW, while the Contract Capacity cannot exceed 3 MW. The facility cannot deliver more than 3 MW to the grid at any time.*  |
| <b>Site Control</b>                              | Must have site control (ownership, option, lease).   |
| <b>Interconnection</b>                           | Project must be interconnected to distribution system and have passed the Fast Track screens, or completed a System Impact Study (Independent Study Process) or completed a Phase 1 Study (Distribution Group or Cluster Study Process). |
| <b>Fuel Requirements</b>                         | 100% of Fuel Use must be from an eligible Fuel Resource Category with at least 80% from the applicable Fuel Resource Category. Exception: For Category 2 (Dairy), 100% of Fuel Use must come from the dairy digester.                    |
| <b>Commercial Online<br/>Date</b>                | Must occur on or after June 1, 2013.   |
| <b>ReMAT</b>                                     | Project cannot concurrently participate in ReMAT.  |
| <b>Application Fee</b>                           | \$2/kW * contract capacity (kW).   |

\* Advice Letter 3661-E proposed changes to the BioMAT tariff per Decision 17-08-021 and Assembly Bill 1923, and is pending CPUC approval.

## Other Eligibility Criteria

|                                  |   |
|----------------------------------|---|
| <b>Developer Experience</b>      | At least one member of the development team must have completed at least one project of similar technology and capacity.                              |
| <b>Daisy-Chaining</b>            | The Project must be the only exporting project being developed, owned, or controlled by the Applicant on any single or contiguous pieces of property. |
| <b>Metering</b>                  | Projects must be electrically independent and separately metered.   |
| <b>Qualifying Facility</b>       | The Project must be a Qualifying Facility, as defined by the Federal Energy Regulatory Commission. This classifies BioMAT as a PURPA PPA.             |
| <b>Other Incentives</b>          | A Project that received Self Generation Incentive Program (SGIP) incentives within the past 10 years is ineligible to participate in BioMAT.          |
| <b>Net Energy Metering (NEM)</b> | If awarded a BioMAT PPA, Applicant must terminate participation in NEM for the Project prior to the BioMAT PPA's Execution Date.                      |
| <b>Project documents</b>         | Must provide a single line diagram, facility layout, site map, initial fuel use attestation, table of major equipment, and ownership documentation.   |

# For More Information

<https://scebiomat.accionpower.com/>



The screenshot shows the top section of the SCE BioMAT website. At the top is a dark blue navigation bar with white text links: BioMAT Home, Schedule, Announcements, Program Documents, FAQs, Register, Tutorial, and Log On. Below this is the Southern California Edison (SCE) logo, which consists of a stylized sun icon and the text 'SOUTHERN CALIFORNIA EDISON' with 'An EDISON INTERNATIONAL® Company' underneath. To the right of the logo, within a white box with a thin border, is the text 'SOUTHERN CALIFORNIA EDISON COMPANY (SCE)' and 'Bioenergy Market Adjusting Tariff (BioMAT) Program'.

## Welcome to SCE's BioMAT Home Page

BioMAT Program Participation Requests ("PPRs") must be submitted online through this website. Applicants must register with this site to submit a PPR. BioMAT documents, schedule, and other information are available to the public on this site without registering. Applicants must use the "Messages" tab for all communications regarding the BioMAT program.

**BioMAT capacity and price calculations can be found in the "Capacity and Price Calculations" folder under the "Program Documents" tab.**

Questions?