



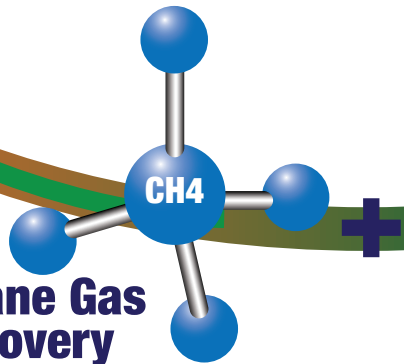
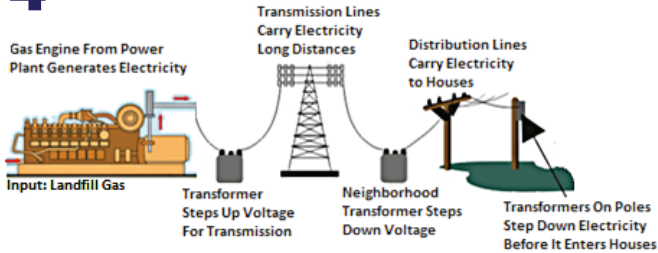
## LANDFILL GAS TO ENERGY



## The Waste-to-Energy Cycle



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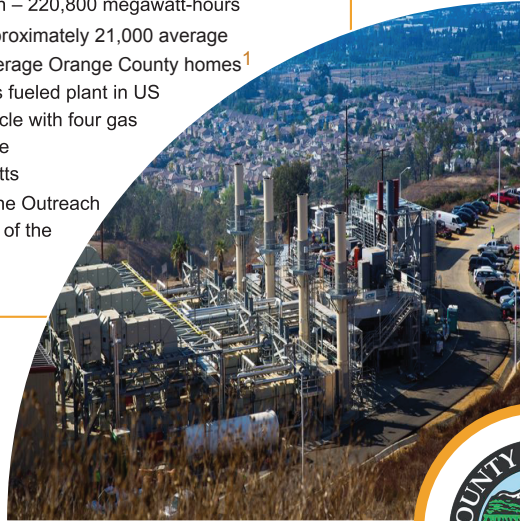
714.834.4000



## LANDFILL GAS TO ENERGY

### OLINDA ALPHA LANDFILL (BREA)

- Annual Energy Production – 220,800 megawatt-hours
- Provides electricity to approximately 21,000 average U.S. homes or 36,800 average Orange County homes<sup>1</sup>
- The 3<sup>rd</sup> largest landfill gas fueled plant in US
- Plant Type: Combined-cycle with four gas turbines/one steam turbine
- Total Output: 33 megawatts
- US EPA – Landfill Methane Outreach Program - Energy Project of the Year Award



### FRANK R. BOWERMAN LANDFILL (IRVINE)

- Annual Energy Production – 154,500 megawatt-hours
- Provides electricity to approximately 14,700 average U.S. homes or 25,700 average Orange County home<sup>1</sup>
- Plant Type: Seven reciprocating engines
- Plant Output: 22 megawatts
- Awards Internal from AEE, ASCE, OCBC and SWANA



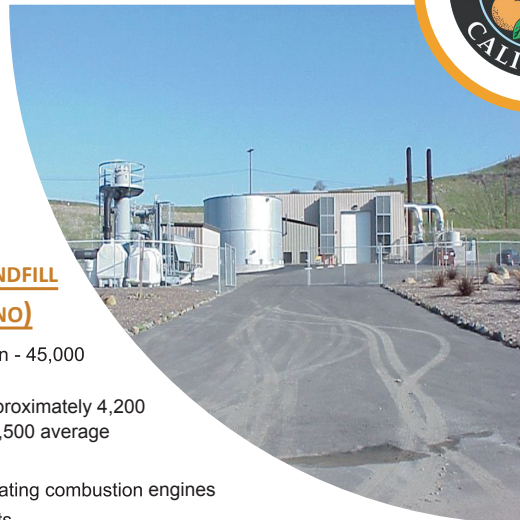
RENEWABLE  
 ENERGY  
 PROGRAM



FACT SHEET  
 April 2020

### PRIMA DESHECHA LANDFILL (SAN JUAN CAPISTRANO)

- Annual Energy Production - 45,000 megawatt-hours
- Provides electricity to approximately 4,200 average U.S. homes or 7,500 average Orange County homes.<sup>1</sup>
- Plant Type: Two reciprocating combustion engines
- Plant Output: 6 megawatts



CONTACT INFORMATION  
[www.oilandfills.com](http://www.oilandfills.com)  
 Phone: 714-834-4000

TOTAL ENERGY FROM  
 ALL LANDFILLS IS  
 ~ 420,000 MWH/YEAR

<sup>1</sup>Ave. electricity usage per U.S. household (10,500 kWh/year)

### MISSION

The mission of OC Waste & Recycling is to provide waste management services, protect the environment, and promote recycling in order to ensure a safe and healthy community for current and future generations.