SB 1383 Regulations - Article 12 - Procurement of Recovered Organic Waste Products

State of California

CalRecycle will be providing the annual recovered organic waste product procurement for each jurisdiction on or before January 1, 2022 and every five years thereafter, which shall be calculated by multiplying the per capita procurement target of 0.08 tons per resident which may be achieved directly or via a franchise. Jurisdictions have the flexibility to purchase one of the four products below to implement the circular economy locally, and on a statewide basis would create huge markets for a population of 44 million people by 2025. A balanced procurement portfolio would fuel 2,000 to 5,000 trucks, produce 87 to 237 MW, amend 100,000 to 185,000 acres of parklands and agricultural lands, and cover 15,000 to 32,000 acres of highway right-of-way.

Section 18993.1(e) A jurisdiction shall comply with one or both of the following:
(1) Directly procuring recovered organic waste products for use or giveaway.
(2) Requiring, through a written contract or agreement, that a direct service provider to the jurisdiction procure recovered organic waste products and provide written documentation of such procurement to the jurisdiction.

Section 18993.2 (a) A jurisdiction shall include all documents supporting its compliance, including, but not limited to, the following:
(1) A description of how the jurisdiction will comply with the requirements
(2) The name, physical location, and contact information of the each entity, operation, or facility from whom the recovered organic waste products were procured, and a general description of how the product was used, and. if applicable, where the product was applied.
(3) All invoices or similar records evidencing all procurement.; and
(4) If a jurisdiction will include procurement of recovered organic waste products made by a direct service provider to comply with the procurement requirements mandate, the jurisdiction shall include all records of procurement of recovered organic waste products made by the direct service provider on behalf of the jurisdiction, such as invoices or similar records evidencing procurement.

Compost Use
1 ton waste = 0.58 tons of compost

Mulch Use
1 ton waste = 1 ton of mulch

Bioenergy
1 ton waste = 650 kW-hrs of renewable energy

Renewable Natural Gas
1 ton waste = 21 diesel gallon equivalents (dge)

Up to 1,856,000 tons
Up to 3,200,000 tons
Up to 237 MW
Up to 67,2000,000 DGE

Email julie@edgarinc.org for your Jurisdiction!
## State of California

### Calculation of Procurement Requirement

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
<th>Units</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population of Most Recent Year</td>
<td>40,000,000</td>
<td>People</td>
<td>Department of Finance</td>
</tr>
<tr>
<td>Occupied Households in Jurisdiction</td>
<td>13,085,036</td>
<td>Total Households</td>
<td>Department of Finance</td>
</tr>
<tr>
<td>Compost Equivalent Procurement</td>
<td>0.08</td>
<td>Tons/Pers/Year</td>
<td>SB 1383 ( Section 18993.1)</td>
</tr>
<tr>
<td>Organic Waste Procurement Target</td>
<td>3,200,000</td>
<td>Tons/Year</td>
<td>SB 1383 ( Section 18993.1)</td>
</tr>
</tbody>
</table>

### Equivalencies - (18993.1)(g)

<table>
<thead>
<tr>
<th>Procurement</th>
<th>Ratio</th>
<th>Amount</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel Gallon Equivalents - RNG</td>
<td>21</td>
<td>67,200,000</td>
<td>Diesel Gallon Equivalents (DGE)</td>
</tr>
<tr>
<td>kWh RNG electricity</td>
<td>242</td>
<td>774,400,000</td>
<td>Kilowatt-Hours</td>
</tr>
<tr>
<td>Heating Derived from Renewable Gas</td>
<td>22</td>
<td>70,400,000</td>
<td>therms</td>
</tr>
<tr>
<td>650 kWh biomass conversion</td>
<td>650</td>
<td>2,080,000,000</td>
<td>Kilowatt-Hours</td>
</tr>
<tr>
<td>0.58 tons of compost</td>
<td>0.58</td>
<td>1,856,000</td>
<td>tons</td>
</tr>
<tr>
<td>1 ton of mulch</td>
<td>1</td>
<td>3,200,000</td>
<td>tons</td>
</tr>
</tbody>
</table>

### Compost
- 1,856,000 tons
- Application at least 10 tons per acre at a half inch deep.
- Acres Treated: 185,600

### Mulch
- 3,200,000 tons
- Application at 100 tons per acre at two inches deep.
- Acres Treated: 32,000

### Bioenergy
- 237 MW
- 680 kWh per household per year.
- Houses Powered: 3,058,824

### RNG
- 67,200,000 DGE
- 13,000 DGE per truck per year.
- Trucks Fueled: 5,169