

SB 1383 Possible Rate Impacts

CalRecycle Studies

- ▶ Standardized Regulatory Impact Statement for \$2-\$3 billion infrastructure could be \$3 to \$5 per month increase
- ▶ SB 1383 Local Service Rate analysis by R3 for CalRecycle has case studies from \$2 to \$13 per month increase

Surveys

- ▶ League of Cities Survey found that 7 out of 10 cities anticipate a 1-20% rate increase
- ▶ Twelve recent SB 1383 case studies show an average of \$9 per house per month increase phased in to 2025

UVDS SB 1383

Responsibilities and Programs

Existing Franchise Agreement

- ❑ Provide 3-cart Collection Services Program
- ❑ Education, Outreach and Monitoring and Reporting
- ❑ Compost Capacity (County needs to show 15 year capacity)

Possible Additions

- ❑ Assist in generator enforcement
- ❑ Assist in edible food recovery programs
- ❑ Assist in Procurement of mulch, compost for up to 1,895 tons per year of compost or 3,267 tons per year of mulch

CFL SB 1383

Responsibilities and Programs

Landfill Agreement

- ❑ Provide C&D waste processing capacity for self-haul and debris box accounts to remove organics
- ❑ Education, Outreach and Monitoring and Reporting
- ❑ Compost Capacity - July 5, 2021 starting at CFL with co-collected residential organics

Possible Additions

- ❑ Assist in Procurement of up to 0.24 mega-watt of bioenergy
- ❑ Process wood chips into biomass energy
- ❑ Develop the 1.0 mega-watt biomass gasification plant already entitled by a CUP in 2011 to handle 12,500 tons per year of woody biomass

Compost Facility Updates

Clover Flat Compost Facility

- ▶ Permitted for 15,888 Tons per year
- ▶ Commercial and Residential Food Waste and Green Waste
- ▶ Covered Aerated Static Pile
- ▶ Has Air Permit
- ▶ Ready to start July 5, 2021

UVDS Compost Facility

- ▶ \$1.25 million CalRecycle Grant expires in Sept 2021
- ▶ Re-design for Covered Aerated Static Pile based upon Napa's 99% capture of emissions
- ▶ Only accept residential food waste and send commercial food waste to CFL Compost

Implementation Napa County Climate Action Plan - UVDS/CFL is Net-Zero GHG

Climate Action Plan

- ▶ Draft 2019 EIR for County Climate Action Plan implements SB 1383
- ▶ Organic Waste Diversion
- ▶ Compost Use to sequester carbon and create healthy soils (Carbon Farming)
- ▶ Renewable energy production and use

UVDS/CFL Operations

- ▶ 2006 - Avoided 19,386 metric tons of GHGs and produced 1,556 tons for 12.5 times Net-Zero GHG
- ▶ 2014 - Avoided 32,383 metric tons of GHGs and produced 2,338 tons for 13.9 times Net-Zero GHG
- ▶ 2020 - Calculating Net-Zero GHG Now

CFL/UVDS

Organics Collected and Managed

Management

- ▶ Commenced food waste collection in 2009 with
- ▶ Green Waste to UVDS Compost as bulking agent for grape pomace
- ▶ Wood Waste - dwindling biomass energy market with increased costs and decrease in long term stability
- Not Sustainable

2020 Tons Collected

- ▶ UVWMA Wood and Green Waste Generation - 18,715 tons
- ▶ UVDS Collected Green Waste (leafy) - 5,611 tons to Compost
- ▶ Self-Haul Wood and Green Waste (Woody) - 13,104 tons - Needing a Solution

Woody Biomass Update

Wood Waste Issues

- ▶ Lack of markets
- ▶ SB 1383 Procurement mandates
- ▶ Cal Green recycling requirements
- ▶ Agricultural burn days
- ▶ Forest Management defensible space requirements

Possible Solutions

- ▶ Develop the 1.0 mega-watt biomass gasification plant at CFL
- ▶ 12,500 Tons per year of woody biomass
- ▶ Community-scale micro-grid for Napa
- ▶ Community Cho Aggregation
- ▶ Biochar production