

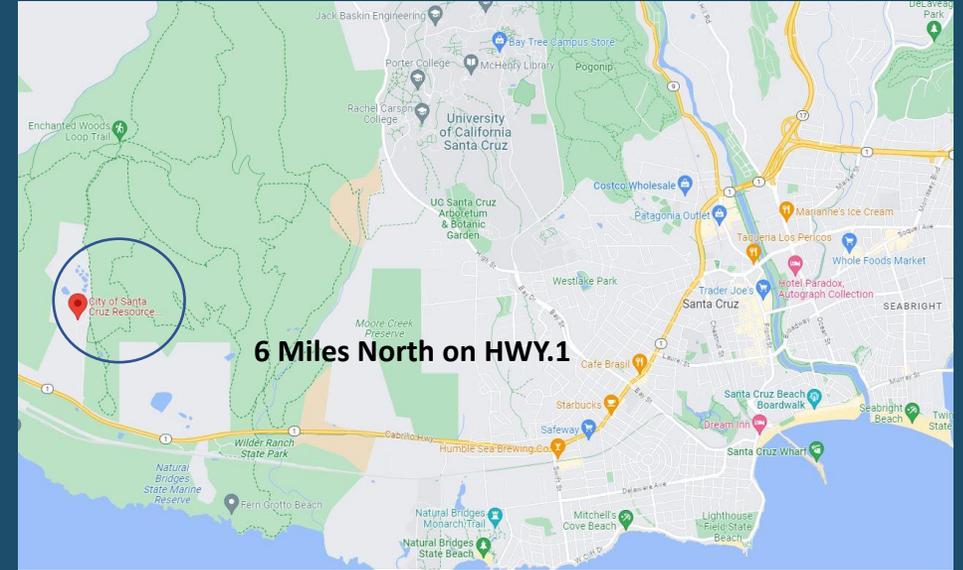


Countywide Integrated Waste Management Plan

Integrated Waste Management Task Force

Virtual Facility Tour

City of Santa Cruz Resource Recovery Facility



Facilities Located on Site

Landfill– Remaining Capacity, approximately 36 years

Landfill Gas to Energy

Single Stream MRF

Drop Off Collection –Mattresses, carpet, E waste, batteries, appliances, scrap metal, tires

County Run HHW Collection Center

Food Scrap pre-processor

Yard waste, clean wood



Single Stream Sortation



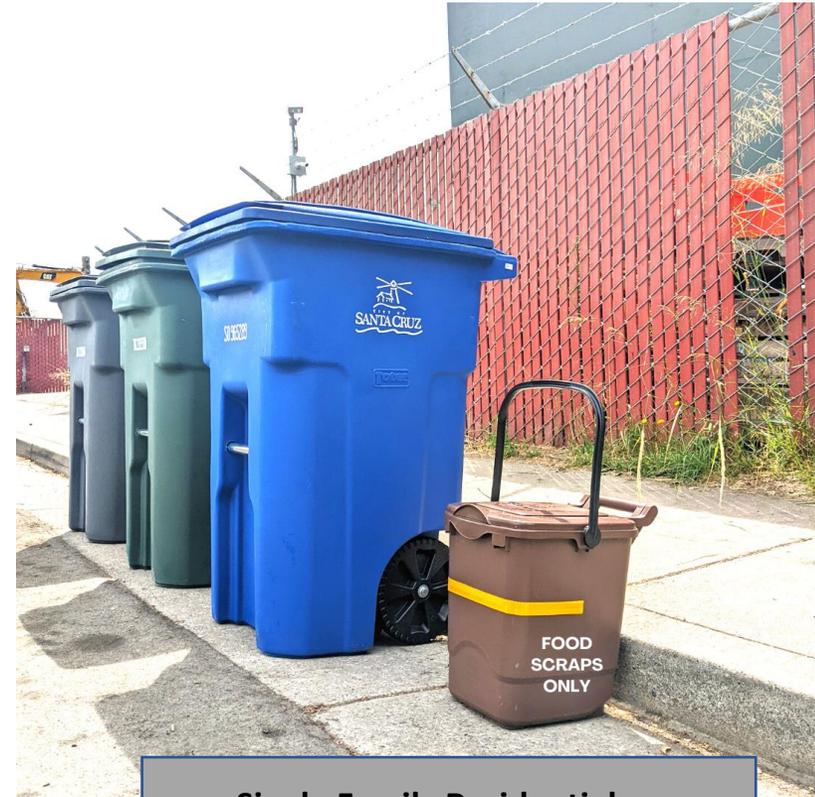
Single & Multi Family Residential
Commerical Collection within
City of Santa Cruz Boundary



Food Scrap Collection



Commercial & Multi Family



Single Family Residential

Food Scraps collected separately from other organics

Food Scrap Pre-Processor



Approximately 35-40 tons of food scraps are collected and processed weekly. The end product is a brown *Mash* the consistency of applesauce.



The Mash is taken every 10-14 days to Sustainable Organics Solutions in Santa Clara for further processing. Eventually, the Mash will go to the City's Wastewater Treatment Facility to be used for energy generation.



About the Ben Lomond Transfer Station

Ben Lomond Transfer Station was developed as Landfill reached capacity & closed in 1992. The closed landfill is monitored to meet state and federal regulations.

Facilities Located On Site

- Solid Waste Processing & Transfer,
- Recycling & CRV (Grey Bears),
- Organics Diversion & Preprocessing (Keith Day Company),
- Other Diverted Items, and
- Household Hazardous Waste (HHW – Thursdays only)
- Landfill gas collection & flare.



Ben Lomond Transfer Station Diversion Guide



To Save Time – Sort Your Load First!

		FREE Diversion Futon Mattresses, Mattresses, Box Springs, TVs or Monitors (Limit of five (5) TVs per day)	

Not sure what we accept? Call 831.454.5153 or visit SantaCruzCountyRecycles.org

Updated 3/2022 - Subject to Change



Ben Lomond Transfer Station Recycling Guide



Go to Grey Bears Recycling Center First – Free Drop Off

		Ben Lomond Household Hazardous Waste (No Businesses) Open Every Thursday from 7:30am - 3:30pm - Questions? 831.454.5331	

Not sure what we accept? Call 831.454.5153 or visit SantaCruzCountyRecycles.org

Updated 3/2022 - Subject to Change

Ben Lomond Transfer Station

Located in the beautiful Santa Cruz Mountains



Ben Lomond Scale House

Back of Scale house



Drive onto the scale, declare the materials in your load, pay according to the fee schedule, and follow the painted colored line to your disposal location as instructed by the cashier.



Recycling Center Run by Grey Bears



Customers may drop off glass, scrap metal, cans cardboard, plastic bottles, paper, batteries & e-waste.



Grey Bears - California Redemption Value (CRV)

- Hours 10am to 3:30pm Monday-Saturday
- Wednesday open 10am-2:30pm.
- Remember to presort your recyclables.



Diversion Area



Many diverted items are separated for special handling during recycling



Tipping Area



Upper tipping floor for small household loads



Lower tipping floor for large & commercial loads



Household Hazardous Waste (HHW)



Ben Lomond
HHW only on
Thursdays
from
7:30 to 3:30
Drive through



Free to
households, but
small quantity
business
generators pay
to dispose of
hazardous waste



Boxes stored in back ready for pick-up



Ben Lomond Organics

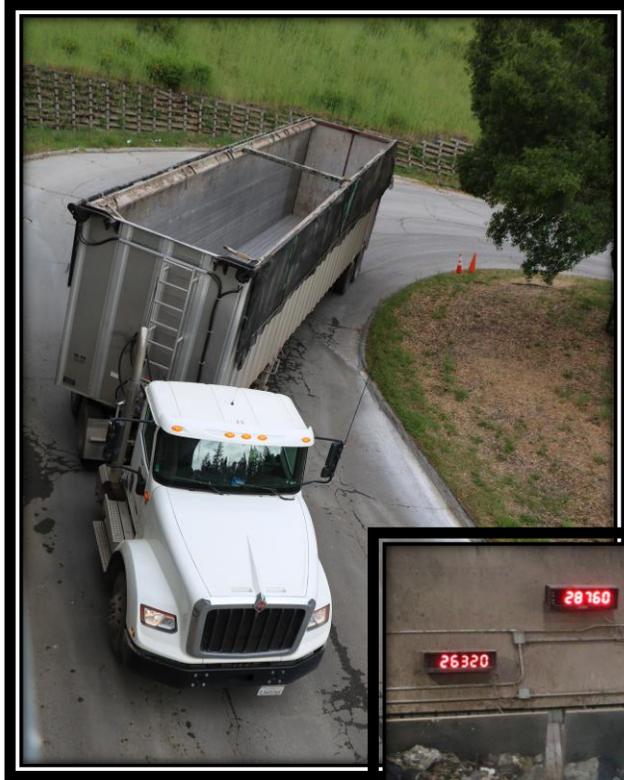
- Site for organic waste collection.
- Organics include food scraps, yard waste, and clean wood waste.
- Organics are loaded into transfer trucks and taken to Keith Day Company at ReGen Monterey for processing.



- Remember to separate your food scraps and organics from your trash.
- Dispose of organics here to help prevent methane in the landfill.



Transfer Truck Transports Waste



- Transfer Trucks move approximately 16-20 tons per load.
- Mirrors help front loader operator distribute waste in trailer.
- Scales are used to distribute the load evenly over the axles.



Transfer Truck Leaving the Transfer Station

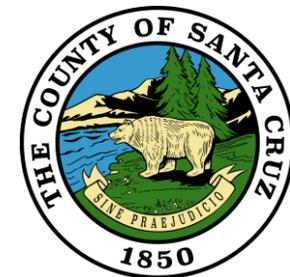


- Driver inspects the load to ensure safe transport.
- Driver closes the screen tarp to keep trash from flying out while load is in transit to the disposal site.



Summary of Ben Lomond Transfer Station

- Ben Lomond Recycling & CRV [by Grey Bears]
 - Recycling 1,391 tons per year
 - CRV 47 tons per year
 - 2 to 3 Grey Bears employees
- Ben Lomond Organics Diversion & Preprocessing
 - Organics 12,261 tons per year
 - 1-2 Keith Day Company employees
- Ben Lomond Transfer Station Materials Diversion
 - Other diverted items 3,028 tons per year
 - 4 to 6 employees
- Ben Lomond Waste Disposal to ReGen Monterey
 - 15,809 tons per year
 - 2 to 3 transfer truck drivers



Grey Bears Chanticleer Campus

Santa Cruz, CA – Soquel Drive & Chanticleer



Facilities on Site Available to Everyone*

Thrift Store (Materials Reuse)

Edible Food Recovery – food shop, meals, and groceries (55+)*

Food Waste Compost

Recycling Center

E-Waste Recycling

Styrofoam Densification (ends June 30, 2023)



Edible Food Recovery



Grey Bears recovers edible food for daily hot meals, grocery shopping and delivery for volunteers and people in need.



Santa Cruz County residents from all jurisdictions use Grey Bears services

Recycling & Compost



Grey Bears runs its own and the County's recycling centers to support its edible food mission. Food waste is made into compost and sold in repurposed feed bags.



Santa Cruz County residents from all jurisdictions use Grey Bears facilities

E-Waste Reuse & Recycling



Grey Bears Accepts, Repairs, Resells, Reclaims, and Recycles Used Electrical Equipment Diverted from the Landfill.



Residents of all Santa Cruz County jurisdictions can use Grey Bears facilities to dispose of e-waste

Buena Vista Landfill & Recycling Center



About Buena Vista Landfill

The Buena Vista Recycling and Solid Waste Facility is the backbone of Santa Cruz County's waste diversion and disposal system, processing 350 tons of refuse daily. Located in the unincorporated County near Watsonville, it is a Class III municipal solid waste landfill.

Facilities Located On Site

- Solid Waste Processing & Burial,
- Landfill Gas Cogeneration Facility (AMERESCO),
- Recycling (Grey Bears),
- Organics Diversion & Preprocessing (Keith Day Company)
- Other Diverted Items,
- Household Hazardous Waste (HHW – Wednesday, Friday & Saturday)
- Environmental Monitoring
- Heavy Equipment Maintenance Shop

With the landfill nearing capacity, the facility will undergo improvements to meet the County's next generation waste disposal needs for waste transfer, recycling, organics processing, hazardous waste management, and other materials diversion requirements.



Buena Vista Landfill Diversion Guide

To Save Time – Sort Your Load First!



		FREE Diversion (Limit of 5 Mattresses or TVs per day)	

Not sure what we accept? Call 831.454.5153 or visit SantaCruzCountyRecycles.org
Fees Apply Unless Otherwise Noted

Updated 1/2020 - Subject to Change



Buena Vista Landfill Recycling Guide

Go to Grey Bears Recycling Center First – Free Drop Off



			 Open Every Wed, Fri, & Sat 7:30am - 3:30pm – Questions? 831.454.5331

Not sure what we accept? Call 831.454.5153 or visit SantaCruzCountyRecycles.org

Updated 12/2019 - Subject to Change

Buena Vista Landfill



Grey Bears recycling bins seen as you enter



Direction signs



Buena Vista Recycling Center

FREE AREA- Customers drive in and drop off recycling before they go to the scale house

- Metal – cans, scrap metal, including bicycle frames & more
- Plastic – clean plastic bottles, jugs & jars
- Glass – clean bottles & jars
- Paper – office paper, books & newsprint
- Corrugated cardboard
- E-waste
- Car batteries



Scale House

- Customers declare the composition of their loads.
- Cashier may come check load if cameras don't provide enough detail.
- Cashiers take payment and provide direction to tipping and diversion areas.



Household Hazardous Waste (HHW)



Buena Vista HHW Facility is open from 7:30-3:30 on Friday & Saturday and on Wednesday from 7:30-2:30 during normal landfill operations.

HHW is **FREE OF CHARGE** to residents of:

- Unincorporated Santa Cruz County
- Capitola,
- Scotts Valley, and
- Santa Cruz

Small business generators pay a fee to dispose of hazardous waste.



Organics Site

Keith Day Company collects, processes and transports County organics (landscape materials, food scraps, & unpainted wood - nails ok) to the compost facility at ReGen Monterey. They compost organics in windrows and grind wood into chips for mulch. Composting puts the carbon back in the products they make to help prevent Climate change.



Landfill Diversion Area



- Mattresses
- Carpet and padding
- Appliances
- Monitors/TVs
- Clean concrete
- Drywall & gypsum board
- Hard plastics
- Propane tanks
- Tires & rims
- Aluminum windows
- Asphalt, tile, rock, brick & porcelain



Tipping Area



- Customers drive to the tipping area.
- Spotters monitor the tipping area and show customers where to unload.
- Heavy equipment operators move, compact, and bury waste.



AMERESCO – Landfill Gas to Energy

Ameresco Corporation works as an intermediary between landfills, nearby facilities, local utilities, and local governments to develop landfill gas to energy projects. The cogeneration facility at Buena Vista capture methane gas and converts it to 3 megawatts of electricity, enough to power 3,000 homes annually. This turns a harmful source greenhouse gas into beneficial renewable energy.



Cogeneration facility



Methane collection pipe



Behind the Landfill

Large Equipment Repair Shop



Landfill Office & Shop Building



Secondary Flares

Many skilled people ensure Buena Vista operates to a high standard of excellence in operations, maintenance, & long-term environmental monitoring, to meet County waste management goals



Old Buena Vista Landfill – Closed & Monitored



Summary of Buena Vista Landfill

- Buena Vista Recycling [by Grey Bears]
 - Recycling 1,877 tons per year
 - 2 to 3 Grey Bears employees
- Organics Diversion & Preprocessing
 - Organics 28,638 tons per year
 - 3 - 4 Keith Day Company employees
- Buena Vista Materials Diversion & Landfill Operations
 - Other diverted items 23,777 tons per year
 - Refuse disposal 78,177 tons per year
 - 20 - 23 employees
- Buena Vista Equipment Support
 - 4 to 5 mechanic shop staff
- Buena Vista HHW & Environmental Compliance
 - 5-6 environmental employees



City of Watsonville Solid Waste Division Public Works & Utilities Department



City of Watsonville Collections



City of Watsonville Collections

- Organics, Recycling and Trash
- 11,300 Residential Customers
- 580 Commercial Customers
- 95 Multifamily Complexes
- 13 Routes Daily
- Street Sweeping 80 Miles
- 16 Drivers, 2 Supervisors
- Processing at ReGen



City of Watsonville Recycling & Waste Center



City of Watsonville Waste and Recycling Drop Off Center

- 9 Staff

In 2022

- Mattresses: 3,795 units
 - Tires: 1,708 units
 - Appliances: 3,502 units
 - Food Waste: 38,433 lbs
 - HHW: 111,752 lbs
 - Clean Wood: 256,580 lbs
 - Yard Waste: 812,900 lbs
 - Metal: 120,000 lbs
 - E-waste: 74,542 lbs
 - Tv's: 4020 units
 - Garbage: 6,887,580 lbs
-
- Free Community Compost Give Back
 - Treasure Corner Reuse Store
 - Upcycling with the Science Workshop

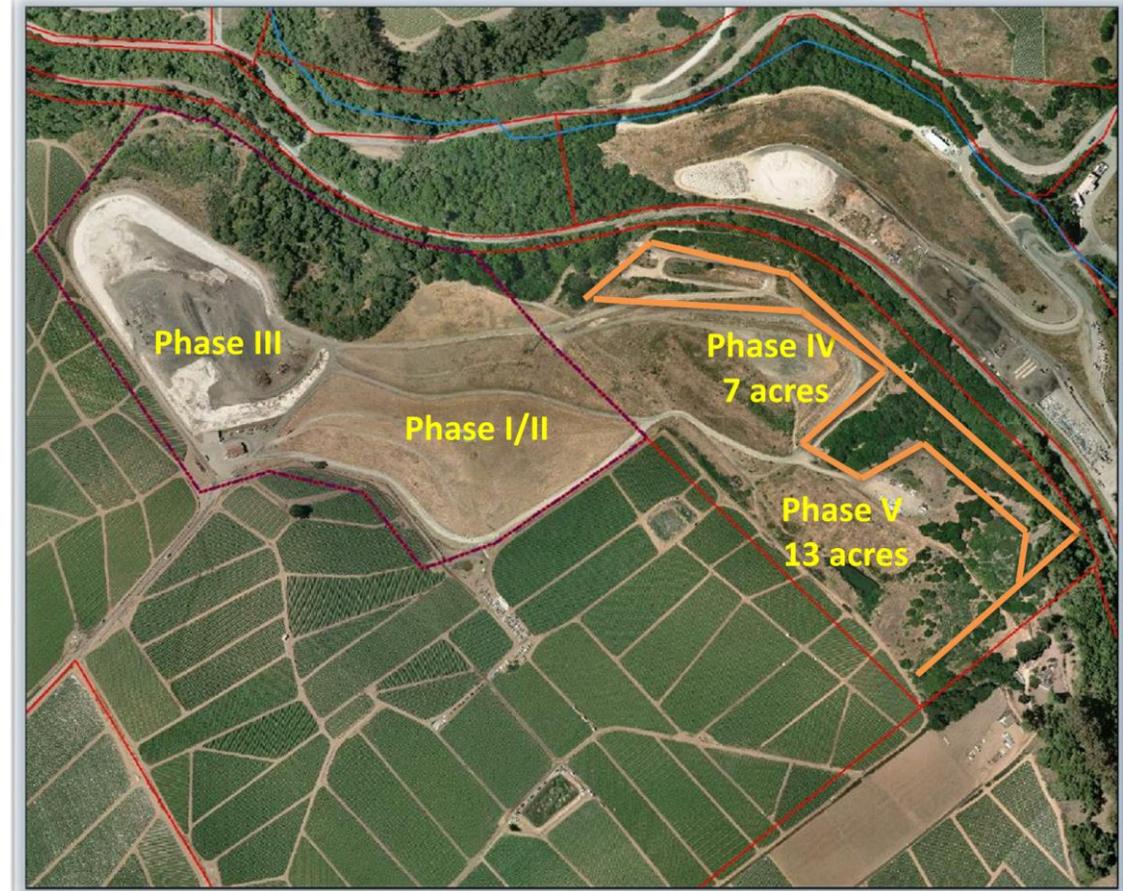


City of Watsonville Landfill



City of Watsonville Landfill

- Cells 1 –3: Open 1962–2020
- Phase 4 Opening 2024: 25–30 years capacity
- Long Term Monitoring: Leachate, Methane
- 103 acres
- Permitted Maximum Tonnage: 275 Tons per Day; 71,600 Tons per Year
- Staff 1; 2024: 5



City of Watsonville Waste Reduction Programs



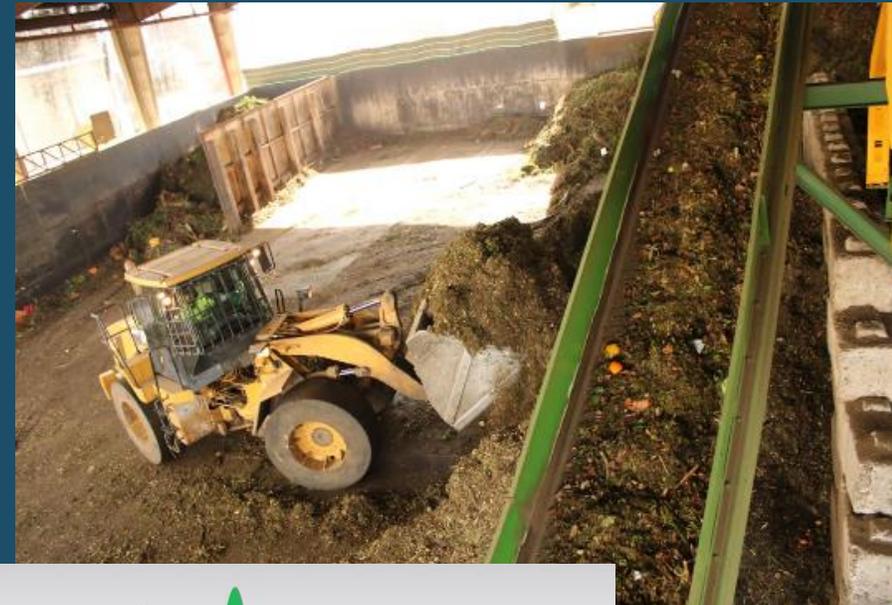
City of Watsonville – Waste Reduction Programs

- Bilingual Outreach
- Plastic Free Ordinances
- Residential & Commercial Audits
- Watsonville Green Business Program
- Food Recovery Program



GreenWaste Recovery Materials Recovery Campus

San Jose, CA – 33 miles north of Santa Cruz CA



Facilities Located on Site

Single Stream Recyclables MRF – 85% recovery rate

Garbage and Mixed Materials MRF – 75% recovery rate

Food Waste & Yard Trimmings – 98% recovery rate





Single Stream Recyclables

Santa Cruz County Jurisdictions
Sending Recyclables to Charles
Street Single Stream MRF
Capitola
Scotts Valley
Unincorporated County



Single Stream Materials Recovery Facility (MRF)



Video Tour

<https://youtu.be/zmMAIYMfw9k>



ReGen Monterey

Marina CA – 16 miles south of Watsonville CA

Facilities Located on 461 Acre Site

Monterey Peninsula Landfill

Materials Recovery Facility (MRF)

Franchise Collection Facility

Compost Facility

Organics to Energy

Landfill Gas to Energy

Hazardous Waste Collection

Last Chance Mercantile



ReGen Monterey: Monterey Peninsula Landfill

Santa Cruz County Jurisdictions

Sending Waste to Marina CA

Capitola

Scotts Valley

Watsonville

Unincorporated County



Monterey Peninsula Landfill

Buries 200,000 tons/year

Remaining Capacity – 100 years

at current disposal rates



Marina Compost Facility – Video Tour

Keith Day Company



Santa Cruz County Jurisdictions Sending Compostables to Marina CA: Capitola, Scotts Valley, Watsonville, & Unincorporated County Video Tour: <https://youtu.be/te3JxqFn9TE>

Questions?

Thank You

