

FEED PEOPLE, COMPOST THE REST

John Davis

High Desert RMDZ

The JPA



- ▣ Adelanto, Apple Valley, Barstow, Big Bear Lake, Needles, San Bernardino County, Twenty Palms, Victorville, Yucca Valley
- ▣ Since 1992
- ▣ 15,000 +/- square miles
- ▣ 381,331 people

Victor Valley MRF

- ▣ Opened in 1995
- ▣ Owned by Apple Valley and Victorville
- ▣ Managed by the JPA
- ▣ Designed, built, operated by Burrtec
- ▣ Financed with 1995 system revenue bond issue
- ▣ \$2.5 million expansion in 2006

Victor Valley MRF Expansion

- ▣ 2008: Initiate Strategy
 - Maximum feasible recycling and composting
 - Greenhouse gas reduction
 - Materials management system based on reduction, reuse, recycling, composting and energy recovery
 - Enhanced collection, MRF processing and marketing

Victor Valley Materials and Resource Management Strategy

Prepared for:



MOJAVE DESERT
& MOUNTAIN
RECYCLING

Integrated Waste Management
Joint Powers Authority



Victor Valley MRF Expansion

- ▣ 2009: Victor Valley Materials and Resource Strategy
 - Nine chapters
 - <http://urecycle.org/resources/victor-valley-materials-and-resource-management-strategy/>
- ▣ 2011: JPA accepts Burrtec proposal to expand
 - Composting
 - Construction and Demolition
 - Pre-processing for landfill loads

Victor Valley MRF Expansion

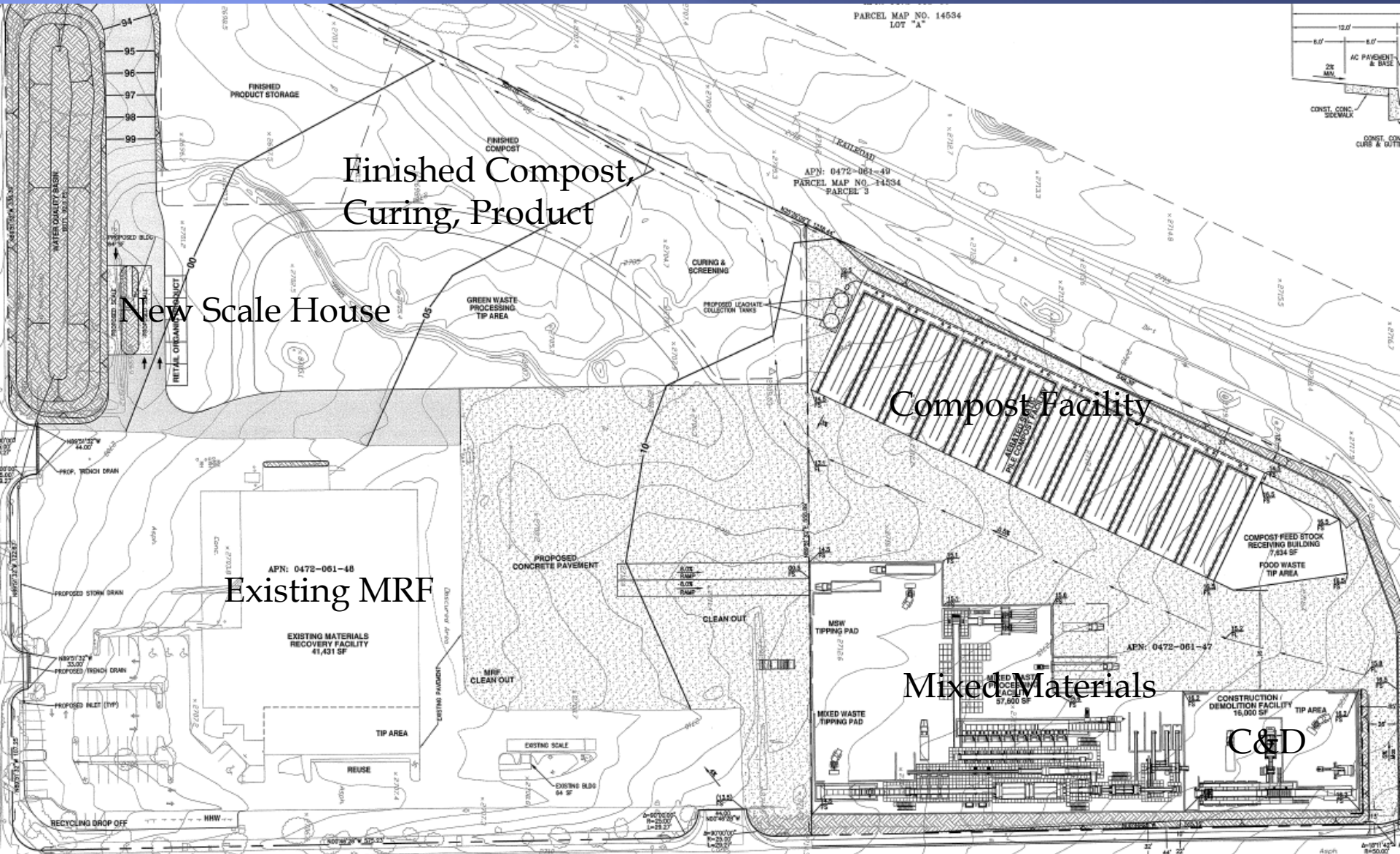
- ▣ 2012 to 2015
 - Equipment selection and facility design
 - Site plan
 - Land use issues
 - Air and water permit considerations
 - Term sheets
 - Initial draft agreements
 - Food recovery research

Fiscal Year 2014-15 Organics Grant Program (ORG1) Awards

- ▣ Grantee: Burrtec Waste Industries, Inc.
- ▣ Amount Awarded: \$2,595,080.00
- ▣ CalRecycle Grant Manager: Alex Byrne
- ▣ Project Summary: The Burrtec Waste Industries projects consists of building a brand-new GORE® covered aerated static pile composting operation on property it owns in Victorville. The compost facility is the first phase of a project which includes a 500 TPD mixed waste processing facility on the site. Burrtec will source the green materials and food materials from its existing collection routes in the high desert, diverting these materials from the nearby Victorville Landfill, which will significantly reduce regional greenhouse gas and other emissions and generate compost for the region. Once the material recovery facility is built, organics residuals from that facility will also be composted.



Expanded VV MRF



Finished Compost,
Curing, Product

New Scale House

Compost Facility

Existing MRF

Mixed Materials

C&D

Victor Valley MRF Expansion

- ▣ 2016:
 - Specific Plan Amendment
 - Conditional Use Permit
 - CEQA Negative Declaration
 - Ground Lease and Valuation
 - Amended and Restated Operating Agreement
 - Processing Agreement securing capacity and addressing franchise issues
 - JPA Board, Apple Valley and Victorville Council Adoption
 - Food Recovery Project





Pilot Program Partnership



AB 1826 Outreach

City	Visits Done	Visits to Do	Type of businesses	Food Donation Potential	Organics Recycling Potential	Notes
Needles	16	0	Hospital, City, Sheriff, Full and Limited Service Restaurants, Schools	Minimal	Minimal	All trash and recycling is taken out of state to Arizona. No grocery store, some minimal potential from a couple full service restaurants and the hospital. School has largest volume, but majority would be post-consumer food waste mixed with styrofoam trays.
Adelanto	21	0	County and Federal Prisons, Stater Bros, Full and Limited Service Restaurants, Manufacturers, Schools	Minimal	Yes	Small amounts of pre-consumer waste due to minimal prep at prisons and schools. Good volume of post-consumer food waste mixed with food soiled paper.
Apple Valley	20	3-15	Walmart, Target, Stater Bros, Full and Limited Service Restaurants, 99 Cent Store, Florist	Yes	Yes	Still need to visit with school district and hospital, as well as more restaurants as needed. Donation/Recycling from Walmart, Target, etc, may not stay in our region.
Victorville	31	2-3	Lowe's, 99 Cent Store, Nurseries, Winco, Vons, Stater Bros, Convalescent Home, Hospital, Public and Private Schools, Full and Limited Service Restaurants	Yes	Yes	City has visited some large businesses on their own like Costco. City is working on appointments with prison, and second hospital. Donation/Recycling from Walmart, Target, etc, may not stay in our region.

Stater Bros. Outreach

- ▣ **Meats and cooked deli items** sent to rendering: 61,000 lbs. per year, or 1173 lbs. per week
- ▣ **Salads, produce, trimmings, cheese, eggs, floral** compostable materials sent to Burrtec now: 117 tons per year, or 2.25 tons per week
- ▣ **Baked goods donations:** 25,000 lbs. per year, or 480 lbs. per week
- ▣ +/- 3 tons/week
- ▣ 168 current locations

CAPSBC

- ▣ CAPSBC is the largest provider of healthy supplemental food assistance to low income San Bernardino County residents
- ▣ They provide all food free of charge
- ▣ They supply a countywide network of over 255 non-profits with United States Department of Agriculture commodities and salvaged food
- ▣ CAPSBC estimates that 228,000 low-income County households are food insecure

CAPSBC

- ▣ They recently partnered with Kaiser Permanente to form a High Desert Food Collaborative to organize resources more effectively
- ▣ CAPSBC has been pursuing a High Desert distribution facility to better serve the region
- ▣ Refrigeration is essential to proper produce storage and handling; as is local transportation, warehouse equipment and staffing

A Person Who Eats Meat

A person who eats meat

wants to get his teeth into something

A person who does not eat meat

wants to get his teeth into something else

If these thoughts interest you for even a moment
you are lost

Leonard Cohen, Selected Poems (1956 - 1968)