



## BOARD OF DIRECTORS

# MEETING HIGHLIGHTS

### June 19, 2014

#### \* REMINDER \* STRATEGIC PLANNING RETREAT ON JULY 31, 2014

#### Contract for Importation of Waste ends June 30, 2014

Staff informed the Board that as of June 30, 2014, the Authority will stop receiving waste from south Santa Clara Valley at the Johnson Canyon Landfill.

#### County Proposed Plastic Bag Ban Ordinance

The County provided an update on its proposed ordinance and encouraged all the cities to use the County's ordinance template and customize it to their needs. To join the County's ordinance, cities will have to introduce their local ordinances in July with final adoption in August. Cities that do not have an ordinance before September 1 will have to abide by the regulations in State Bill 270, which County staff believes does not address existing environmental impacts. Some advantages to joining the County efforts are that cities maintain local control, the County will conduct the environmental review, and the County has a consultant that is available to the cities at no cost.

#### 2013-16 Strategic Plan Goals and Six-Month Objectives Progress Report

The Board received a detailed report on the progress of the current strategic plan's six-month objectives. Amongst other updates, the report included:

- The determination that the methane digester project can contribute toward the 75% waste diversion goal, anticipating a 66% reduction in waste by volume of post autoclave material.
- A compost operation at the Johnson Canyon Landfill is viable and would result in an 11% increase in organics diversion. However it would require equalizing green waste tipping fees among all the franchises and adding a new food waste tipping fee in fiscal year 2015-16. Staff will be applying for CalRecycle's Greenhouse Gas Reduction Grant for up to \$2.9 million to offset these costs, or will be working on a reduced project funded from operations. About \$200,000 in tipping fees would be lost with the implementation of a food waste program as more food waste would be diverted from the landfill.
- Year-to-date cost savings of almost \$115,000 in landfill operations by staff, not including the anticipated savings with taking over the landfill operations.

#### Citizens Advisory Group (CAG) Evaluation Report and Recommendation for Siting of the Salinas Area Materials Recovery Center

The Board accepted the CAG's sites recommendation as follows:

Preferred site = Work Street. Alternate sites to be studied at similar level = Hitchcock, Madison Lane, and Sun Street. The focus of the July 31 Strategic Planning Retreat will be on this item to address key critical questions about the recommended sites.

#### Financial Report for Month Ended April 2014 (83.33% of the Fiscal Year)

Revenue collected	\$ 14,997,272 (83.41% of Estimated Revenue of \$17,979,847)
Expenditures for operations	\$ 12,266,206 (76.33% of Operating Budget of \$16,070,455)
Cash balance	\$ 12,435,754



REDUCE

REUSE

RECYCLE

"To manage Salinas Valley solid waste as a resource, promoting sustainable, environmentally sound and cost effective practices through an integrated system of waste reduction, reuse, recycling, innovative technology, customer service, and education."



# Strategic Plan Update

Patrick Mathews  
General Manager/CAO

June 19, 2014

# 2013-16 Strategic Goals

- **Fund/Implement 75% waste diversion**
- **Complete development of the Salinas Area Transfer Station & MRC**
- **Utilize closed landfills to generate revenue**
- **Increase public access, involvement & awareness of SVSWA activities**
- **Reduce costs & improve services Johnson Canyon Landfill and other SVSWA facilities**

# GOAL: Fund and Implement 75% Diversion of Waste from Landfills

- Global Energy (GOE) Demo
- Diversion data from countywide private recyclers
- City Mangers' Group selecting consultant for Regional Solid Waste Study
- USDA Digester Pilot Project





## Receiving Slope

Fed using a grout pump. Angled at 30° slope to transport the material to reaction zone

## Reaction Zone

Contents are mixed by intermittent recirculation of liquid from the growth zone

## Growth Zone

Packed with oyster shells providing a home for organisms and protection from acidic pH swings

# USDA Digester Pilot Project

Inoculated with 500 gallons of activated sludge

4 tons of autoclave materials = 1,717 pounds pulp

Produced methane in 18 days

Anticipated results after 90 days or less:

- 66% volume reduction
- 10,000 cubic feet of methane = 80 gallons of gasoline

# **GOAL: Complete Development of the Salinas Area Station and Materials Recovery Center (MRC)**

- Sites for the Salinas Area Transfer Station and Materials Recovery Center
  - Development plan
  - Implementation schedule

# **GOAL: Utilize Jolon Road, Crazy Horse and Lewis Road Closed Landfills to Generate Revenue**

- Complete Lease Agreement with County for Proposed Cell Tower at the Lewis Road Landfill
- Expand the Johnson Canyon Landfill Gas to Energy Capacity
- Develop Landfill Gas and Solar Revenue Sources for the Crazy Horse Landfill
- Continue to Develop Revenue Proposals for the Jolon Road Landfill



# **GOAL: Increase Public Access, Involvement and Awareness of SVSWA Activities**

- Expand public and stakeholder information
- Expand and enhance (e.g., contests, rewards) education of students
- Board member to attend at least one community event
- 1000 messages (i.e., flyers, email, social media, presentations)
- New radio and TV ads

# **GOAL: Reduce Costs and Improve Services at Johnson Canyon Landfill**

- Authority operation of Johnson Canyon Landfill
- County, regional agency, state and federal funding to construct the Regional Landfill Truck Route
- Develop the JCLF Compost Operation
- Cost saving opportunities

# Compost Operation Estimates

8,000 tons chip and grind to wood chips

21,000 tons yard trimmings and food scraps to compost

**11% increase in diversion**

Equalized green waste tipping fee in FY 2015-16

Add food waste tipping fee in FY 2015-16

CalRecycle Greenhouse Gas Reduction grant up to \$2.9 million or a reduced project funded from operations.



**Salinas Area Materials  
Recovery Center  
Citizens Advisory Group  
Siting Recommendation**

June 19, 2014

### Summary of WEIGHTED Site Rankings 5/08/14

Line	Category	Criteria	Criteria	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
			Weighting	Work Street	Hitchcock	Madison	Sun Street	Boronda	Laurel
1	Location	Acres	5	120	125	120	60	105	105
2		Ownership	3	95	110	55	105	40	80
3		Access	5	105	80	75	70	50	45
4		Zoning	5	115	100	120	105	105	85
5		Environmental Constraints	3	70	55	100	110	65	45
6	Proximity	Freeway Access	4	100	40	84	76	64	44
7		Landfill Access	3	80	64	52	68	68	60
8		City Center	3	84	44	52	76	44	52
9		Residential Subdivision	5	52	76	40	68	80	60
10	Costs	Land Acquisition	5	80	80	55	105	30	45
11		Entitlement Processing	4	95	65	60	55	55	60
12		Construction Complexity	5	95	80	105	75	85	95
13		Water	5	100	90	60	65	30	45
14		Storm Drain	5	95	105	90	55	30	45
15		Sewer	5	105	90	80	105	30	45
16		Power	5	95	100	100	95	30	45
17	Environment	Aesthetics	2	24	30	38	26	30	28
18		Agricultural Resources	3	38	42	44	44	20	40
19		Air Quality	5	46	30	38	28	32	30
20		Noise	3	34	26	34	26	34	30
21		Odor	5	32	32	30	26	36	30
22	Other	Timeline	4	68	68	52	84	36	36
23		Total		1728	1532	1484	1527	1099	1150
24		<b>Ranking</b>		<b>1</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>5</b>

# Site #1 Work Street





# Site #2 Hitchcock





# Site #4 Sun Street





# Site #3 Madison





# Site #5 Boronda





# Site #6 Laurel



# Board Action

Accept the report and  
recommendation of the Citizens  
Advisory Group







Madison Ln

Boronda Rd

W Market Cir

Rossi Cir

183