

Solid and Hazardous Waste Programs and Services

Preparation for Board Time, August 16, 2017

Program Area	Program	2015-17 Funding Source	Performance Data	Examples of work
Waste Reduction & Prevention	Solid Waste Operations Waste Analysis and Planning	Tipping Fees and CPG	Completed multiple recycling evaluation and education studies. Information used to guide contracts and public education.	Guided field crews in 2015 through 2017 and evaluated recycling throughout County.
	Solid Waste Operations Recycling Day Events	CPG	Supported 9 community events in 2017.	Coordinated and staffed events with Battleground, Camas, La Center, Ridgefield, Vancouver and Washougal
	Solid Waste Operations Paint Take Back	Tipping Fees and CPG	<ul style="list-style-type: none"> Clark County now has 15 locations - 12 retail locations and 3 transfer stations 786 participants dropped off 58,900 lbs of paint at local paint stores in 2016-17 	We had 3 new paint stores join the paint take back program in 2 nd quarter of 2017.
	Solid Waste System Oversight and Management	Tipping Fees and CPG		Worked with contractors to manage outreach and response to customers during service interruptions over the 2016-17 snow and ice storms.
	Master Composter/Recyclers	CPG	<ul style="list-style-type: none"> 2044 volunteer hours valued at \$28,178 (based on WA volunteer hourly value of \$28.99) 7 backyard composting/worm bin workshops attended by 330 citizens 6,120 public contacts at community events 31 worm bins reducing 3.5 pounds of food waste/week. Annual reduction = 5,642 pounds 23 compost bins reducing 500 lbs of yard waste/year = 11,500 lbs reduced 	<p>MCR Volunteer trainees commit to 48 hours of training and then put 30 hours of time back into the program. They perform a variety of tasks from teaching workshops to the public to maintaining the demonstration sites. Volunteers also staff outreach tables throughout the year where they convey waste reduction and recycling messages.</p> <p>Trained MCR volunteers expand the effectiveness and reach of the outreach program by teaching workshops, staffing booths at community events, maintaining demonstration sites, and sharing</p>
	Trains volunteers and the community about waste reduction, recycling, and reuse to reduce impacts on the environment and the solid waste system.			

				knowledge with neighbors and community groups.
	<p>Green Business</p> <p>Provides environmental assessments, resources, and technical assistance to businesses to improve sustainability, reduce waste, increase efficiency, and maintain a positive public image..</p>	Tipping Fee	<p>Green business morning blend networking events</p> <ul style="list-style-type: none"> • 11 events held with 256 total attendees, avg. attendance per event was 23. <p>Certification and assistance</p> <ul style="list-style-type: none"> • 15 businesses certified. <p>2017 Green Awards were held to provide recognition to participating businesses.</p> <p>The program includes a certification process, monthly opportunities to learn from and network with green businesses, the annual Green Awards recognizing green businesses in the community, and staff and web-based resources. A partnership with Waste Connections, Clark Public Utilities and the City of Vancouver.</p>	<p>Two businesses signed up for food waste composting as a direct result of attending a green business networking event.</p> <p>Evaluated The Old Spaghetti Factory’s waste and partnered with them to improve their recycling and composting programs. Result: Total monthly cost of waste service decreased by 48%, and they throw away half as much as before.</p>
	<p>Green Neighbors</p> <p>Focused residential outreach promotes behavior change to protect the environment and reduce impacts on our waste stream by educating residents about waste reduction, residential recycling, and non-toxic yard and home care.</p>	Mixed	<ul style="list-style-type: none"> • Monthly newsletter to 7,500+ subscribers • Comprehensive website with 34,000 citizens visiting to obtain information about waste reduction • Recycled Arts Festival providing waste reduction message to 35,000 visitors • Natural Garden Tour attended by 800 • 11 Recycle Day Events provided disposal for ‘hard-to-recycle items’ throughout the county • Repair Cafes planned for 2017 to provide free fixing for items that would be landfill-bound. 	<p>The Natural Gardening Tour was implemented for 800 citizens to attend and learn about effective ways to reduce chemical use in their lawn and gardens. The tour is especially impactful because visitors get to see private yards and meet the owners who share their methods of natural gardening. This allows citizens to discover easy to implement techniques and also discover that they can have a beautiful yard without the use of chemicals that can cause hazards to their families, pets, and community. The message is stronger being conveyed by citizens rather than government.</p>

	<p>Green Schools</p> <p>A partnership with WA Green Schools, Waste Connections, and the City of Vancouver. Provides environmental education and technical support to help schools achieve WA Green Schools certification, be more sustainable, and increase operational efficiency through waste reduction, recycling, and food/lunch composting.</p>	CPG	<ul style="list-style-type: none"> 75 schools composting food waste (45,000 students). Waste Audits performed at 27 schools impacting approximately 16,000 students Educational Lessons – 86 schools, 16,300 students. Through this program, Clark County has the most certified Green Schools in the state. <p>Washington Green Schools 2015-17 school years: 29 schools certified, reached 45 schools impacting 27,000 students</p>	<p>Pleasant Valley Primary A waste audit was conducted at the beginning and the end of the school year. Initially, all cafeteria waste was going in the garbage. We implemented composting and recycling in their cafeteria, coupled with whole school education.</p> <ul style="list-style-type: none"> Garbage was reduced by from 32,220 lbs/yr to 7,020 lbs/yr. 231 pounds of food waste collected daily will add up to over 41,000 pounds out of the waste stream.
Enforcement	Solid Waste Enforcement – Complaint Response and Community Assistance	LSWFA grant (formerly CPG) – from MTCA	<ul style="list-style-type: none"> Resolved 286 citizen SW Complaints during 2015-17 biennium. When warranted, site visits occur within 1 day. 	Addressed significant surface and groundwater concerns due to improper waste management and deceased animal disposal at Brush Prairie farm.
	Solid Waste Enforcement – Inspections	LSWFA grant (formerly CPG) – from MTCA	<ul style="list-style-type: none"> Completed 103 inspections at 11 permitted and permit-exempt Solid Waste handling facilities during 2015-17 biennium. 	Sustained effort resulting in an improved structure for handling and storing hazardous substances at the West Vancouver Transfer Station.
Human Exposure Prevention	Hazardous Assessment - Complaint Response	Grant	<ul style="list-style-type: none"> Responded to 35 haz waste complaints in 2016 Responded to 43 haz waste complaints so far in 2017. Respond to on average 40-50 hazardous waste reports (environmental report tracking system, ERTS) each year. 	<p>In 2015 quickly coordinated investigation of multiple chemical drums up near Battleground. Engaged in Ecology and EPA. Property owner returned drums to Portland company.</p> <p>In 2016 reached agreement to separate mercury-containing treatment system discharge from septic system at dental office.</p>
	Hazardous Assessment –	Grant	<ul style="list-style-type: none"> Assisted Pb investigations due to Pb in water at 	

	Assistance		schools (2016)	
	Hazardous Assessment – Elevated Blood Lead level	Grant	Investigated elevated blood lead level (EBLL) at 17 homes in 2016 and 11 so far in 2017.	Guided investigaiton of shooting range based on EBLL results in 2013. Able to develop best management practices to reduce Pb exposure.

Mandates and Authorities as listed in the Education and Outreach chapter of the Solid Waste Management Plan (page 5-1):

RCW 70.95.010(6)(c): It is the responsibility of county and city governments to assume primary responsibility for solid waste management and develop and implement aggressive and effective waste reduction and source separation strategies.

RCW 70.95.010(15): Comprehensive education should be conducted throughout the state so that people are informed of the need to reduce, source separate and recycle solid waste.

RCW 70.105.220(1)(b): A plan or program to provide for on-going public involvement and public education in regard to the management of moderate-risk waste.

Because Clark County contracts to haul garbage to Oregon:

ORS 459A.010.(2)(c)1: An expanded education and promotion program conducted to carry out the policy set forth in ORS 459.015 to inform solid waste generators of the manner and benefits of reducing, reusing, recycling and composting material and to promote use of recycling services...

ORS 459.305(1)(a)1: Includes a program for recycling that achieves the applicable recovery rate in ORS 459A.010