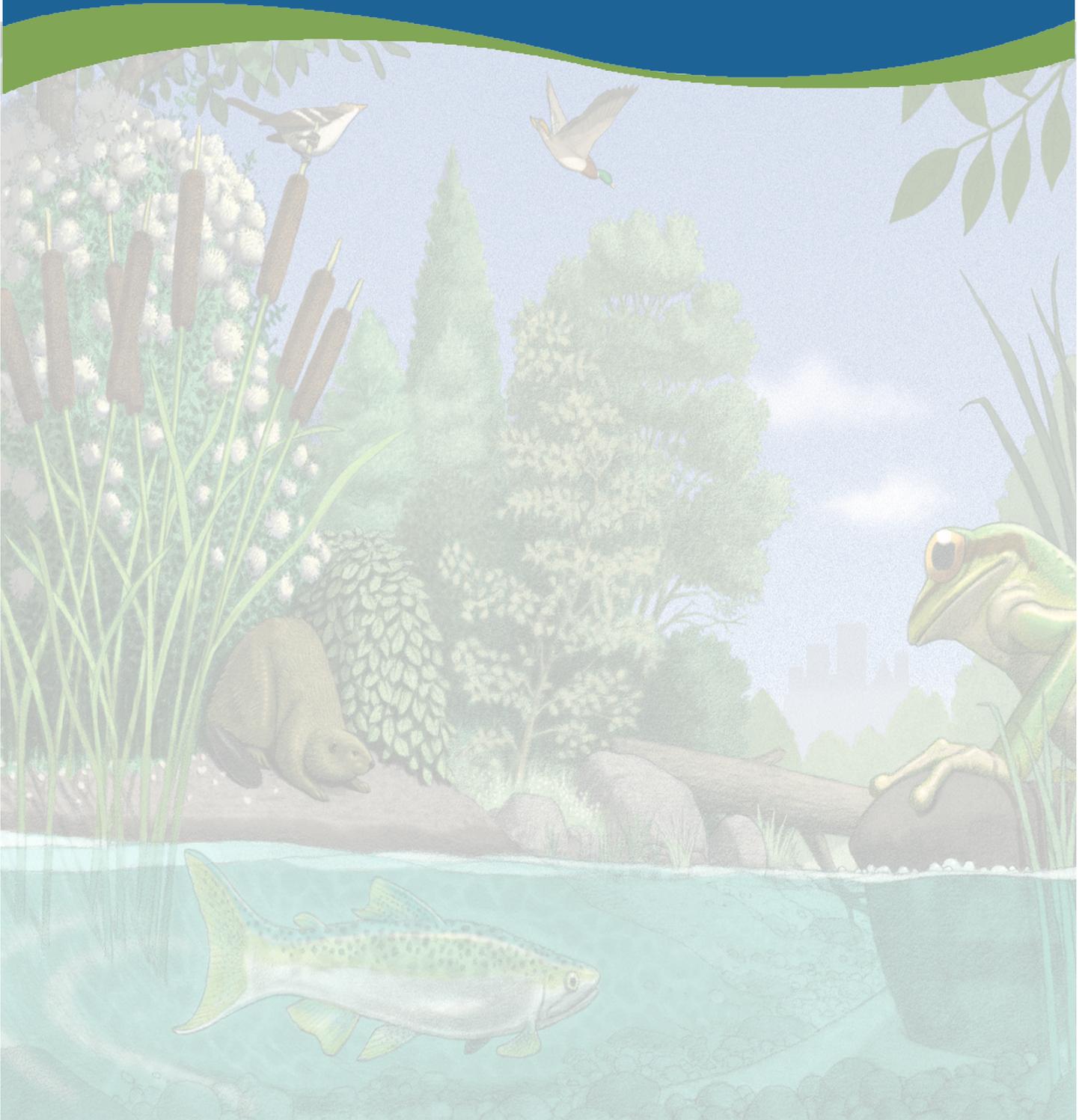


Clark County, Washington

2011 Sustainability Performance Report



Clark County Environmental Services



Table of Contents

Prepared By 1

Introduction..... 2

Environmental Goals Summary 3-4

Greenhouse Gases (Climate Registry Information System) 5

Fuel Reduction..... 6

Energy Conservation 7

Energy Conservation Projects - Energy Conservation Sites 8

Renewable Energy 9

Energy Conservation Projects - Salmon Creek Wastewater Treatment 10

Commute Trip Reduction..... 11

Four Wheel Drive..... 12

Biosolids Management..... 13

Garbage 14

Environmentally Responsible Purchasing 15

Ecological Enhancement..... 16

Weatherization 17

Appendix A - Sustainability Accomplishments 18-20



2011 Sustainability Performance Report

1

Prepared by:

Peter DuBois, Sustainability Coordinator
Kim Harless, Sustainability Intern

Review Team:

Pete Capell, Public Works
Mike T. Davis, Environmental Services
Gregg Ganson, Public Works
Travis Goddard, Environmental Services
Heath Henderson, Public Works
Marlia Jenkins, Budget
Linda Kenney, Public Works
Mark McCauley, General Services
Michelle Missfeldt, Clark Public Utilities
Laura Pedersen, General Services
Tif Rock, Community Services
Scott Rood, Public Works
Tim Scott, Public Works
Mike Selig, Energy Efficiency Services
Darrel Stump, Facilities

For Board of County Commissioners:

Marc Boldt, Chair
Tom Mielke, Commissioner
Steve Stuart, Commissioner



For other formats, contact the Clark County ADA Office: **Voice** (360) 397-2000;
Relay 711 or (800) 833-6388; **Fax** (360) 397-6165; **E-mail** ADA@clark.wa.gov.

Introduction

On October 1, 2007, the Board of Clark County Commissioners adopted the Clark County Sustainability Policy, committed to fostering a safe, secure future that conserves natural resources while meeting basic human needs, including clean water, air and food, along with shelter, education, and employment.

As stated, this commitment to a sustainable future will be a key consideration in making public policy, developing public programs, operating public facilities, and delivering public services.



The Sustainability Policy goals include:

- Lead by example;
- Encourage innovation in both public and private pursuits;
- Promote and demonstrate efficient and effective use of renewable and consumable resources;
- Collaborate with public and private partners on projects aimed at sustainability;
- Continuously enhance our perspective and expertise in making sustainable choices on behalf of the citizens and communities of Clark County; and
- Identify and pursue new opportunities that promote sustainable practices.



To implement the policy and monitor its impacts, the County Administrator was charged with convening a sustainability advisory committee to prepare an annual inventory of the county's sustainability efforts and to report on progress related to the stated policy goals.

Day Lily (*Hemerocallis fulva*) blooming in the Public Service Center Rain Garden

Environmental Goals Summary

The following report summarizes the County's progress towards meeting its objectives and targets.

Objective	Target	Progress
Reduce Mineral Resource Use (Fossil Fuel, Natural Resources)	30% reduction in Greenhouse Gases (GHG) by 2017 (2007 baseline)	- 15 %
	30% reduction in fossil fuel usage by county vehicles by 2015 (2006 baseline)	- 20 %
	20% reduction in energy use in county buildings by 2015 (2007 baseline)	- 12%
	Provide 2% of county building electricity needs through on-site generation by 2014	1.4%
	Reduce single occupant vehicle commute trips by 10% and vehicle miles traveled by 13% (2007 baseline)	PW: -2.6%/ -6.6% PSC: -2.4%/ 0.9% CCH: 1.3% / 1.8%
	25% reduction of 4 wheel drive fleet by 2017 (2011 baseline)	First Year of Reporting
	25% reduction in biosolids hauling fuel use by 2017 (2011 baseline)	First Year of Reporting
	20% reduction in garbage generation by 2017 (2011 baseline)	First Year of Reporting
	20% of raw material for Road Construction is recycled product (annually by weight)	Reporting to Begin in 2012

Environmental Goals Summary

The following report summarizes the County's progress towards meeting its objectives and targets.

Objective	Target	Progress
Reduce Use of Synthetic Materials (pesticides, cleaning chemicals)	100% compliance for Green List purchased products	100% compliant for pesticides, copy paper, motor oil,
Biological Productivity	Reestablish native vegetation on 100 acres of County land by 2012	101 acres planted
	Reduce water use by 20% by 2017 (2012 baseline)	First Year of Reporting
Equity	Weatherize as many homes as possible given available weatherization resources (since 1998)	266 units

Greenhouse Gases - Climate Registry Information System

Clark County reduced its total greenhouse gas emissions by 15 percent from 2008 to 2011 through a program of facility improvements and fleet reductions. Approximately 10,000 metric tons of carbon dioxide equivalent (CO₂e) were prevented from entering the atmosphere, a reduction equal to taking 1,961 vehicles off the road.*

Greenhouse Gases (CRIS)					
30% reduction in Greenhouse Gases (GHG) by 2017, measured from a 2008 baseline					
	2008 (baseline)	2009	2010	2011	% change baseline
SCOPE 1 - DIRECT EMISSIONS CO₂e					
Core Buildings	2,313	2,218	1,696	1,858	-20%
Equipment Services (County Fleet)	4,712	3,697	3,481	4,095	-13%
Leichner Landfill	4,486	4,621	4,572	4,529	1%
Salmon Creek Wastewater Treatment Plant	3,289	1,999	2,042	2,022	-39%
SUBTOTAL - SCOPE 1 - Metric Tons	14,800	12,535	11,791	12,504	-16%
SCOPE 2 - INDIRECT EMISSIONS CO₂e					
Core Buildings	6,917	6,194	5,508	5,524	-20%
Street Lights	117	114	112	103	-12%
Public Works	591	546	494	514	-13%
Park Facilities	262	267	283	301	15%
Traffic Signals	305	296	265	226	-26%
Salmon Creek Wastewater Treatment Plant	2,520	2,470	2,479	2,397	-5%
36th Ave. Pump Station	435	369	437	389	11%
117th St. Pump Station	106	428	190	155	46%
SUBTOTAL - SCOPE 2 - Metric Tons	11,253	10,684	9,768	9,609	-15%
GRAND TOTAL - SCOPE 1+SCOPE 2 - Metric Tons	26,053	23,219	21,559	22,113	-15%

*see EPA's Greenhouse Gas Equivalences Calculator here:
<http://epa.gov/cleanenergy/energy-resources/calculator.html>



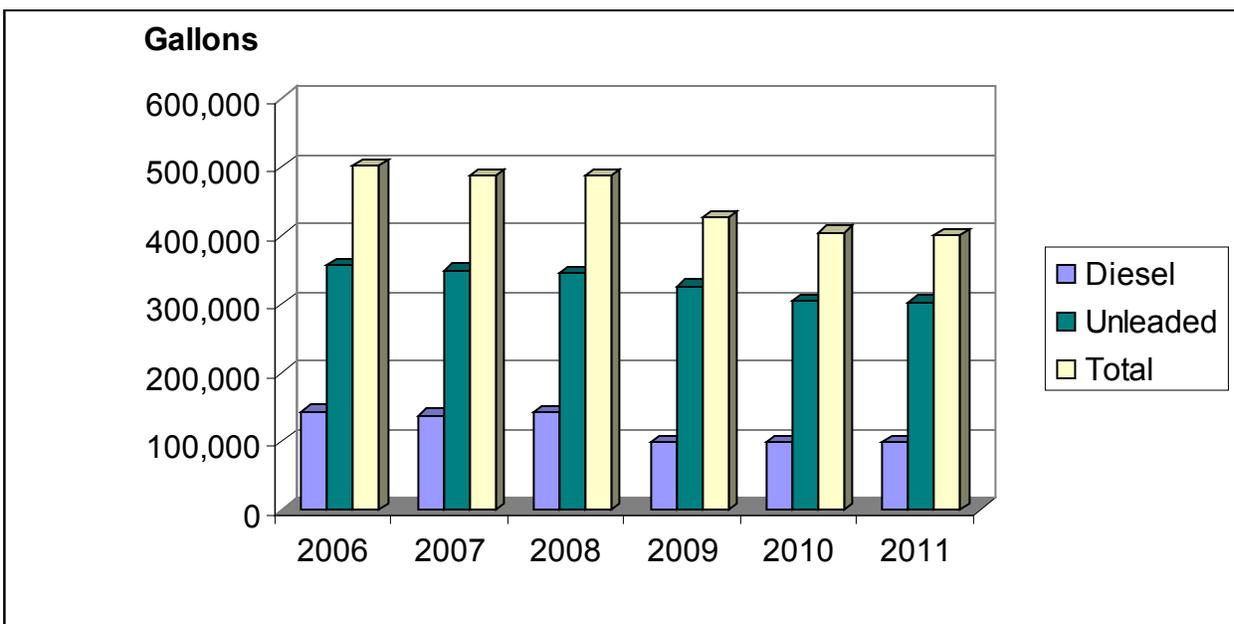
Fuel Reduction

Clark County’s vehicle fleet used 100,360 fewer gallons of fuel in 2011, a 20 percent reduction from the 2006 baseline.

Fuel Reduction

30% reduction in fossil fuel usage by county vehicles by 2015 (2006 baseline)

Year	Gallons Diesel	Gallons Unleaded	Total Gallons	Pieces of Motorized Rolling Equipment
2006 (baseline)	143,802	357,180	500,983	NA
2007	137,928	349,635	487,563	-
% change baseline	-4%	-2%	-3%	NA
2008	142,135	344,058	486,193	-
% change baseline	-1%	-4%	-3%	-
2009	98,938	326,608	425,546	804
% change baseline	-31%	-9%	-15%	-
2010	99,295	304,993	404,288	784
% change baseline	-31%	-15%	-19%	-
2011	97,896	302,727	400,623	752
% change baseline	-32%	-15%	-20%	-



Energy Conservation

336 sites contribute to County-wide energy usage including: buildings, park properties/rentals, public works, traffic signals, flashing school signals, street lights, railroad crossings, Salmon Creek Wastewater Treatment Plant, 117th St. pump station, and 36th Ave. pump station.

Energy Conservation

20% reduction in energy use in county buildings by 2015 (2007 baseline)

	Natural Gas (Therms)	Electricity (kWh)	Total Energy (Mbtu)
2007 (baseline)	449,095	27,661,770	139,291
2008	500,044	27,420,470	143,563
% change baseline	11%	-1%	2%
2009	425,558	26,097,263	131,600
% change baseline	-4%	-6%	-3.5%
2010	347,990	24,981,850	120,037
% change baseline	-23%	-10%	-14%
2011	379,197	24,647,968	122,005
% change baseline	-16%	-11%	-12%

1 therm=0.1 Mbtu; 1 kWh=0.003412 Mbtu

\$280,864 Estimated Cost Savings for 2011 (based on \$1.00/therm & \$0.07/kWh)

- Using 2011 data vs. 2007 data we can determine that approximately \$210,966 dollars were **saved** in electricity costs (using \$0.07 as an estimated cost for every kWh purchased)
 $27,661,770 - 24,647,968 = 3,013,802 * \$0.07 = \mathbf{\$210,966.14}$
- Using 2011 data vs. 2007 data we can determine that an additional \$69,898 dollars were **saved** on natural gas (using \$1.00 as an estimated cost for every therm purchased)
 $449,095 - 379,197 = 69,898 * \$1.00 = \mathbf{\$69,898.00}$
- Using the same calculations for each year, with 2007 as the baseline, the total savings from 2007-2011 is **\$668,558**



Energy Conservation Projects -

Energy Conservation Sites

Beginning in 2008, Clark County invested \$8 million to finance 35 individual energy conservation and renewable projects to reduce the County’s energy use and to lower carbon pollution. The investment will pay for itself in energy savings over a twenty year period.

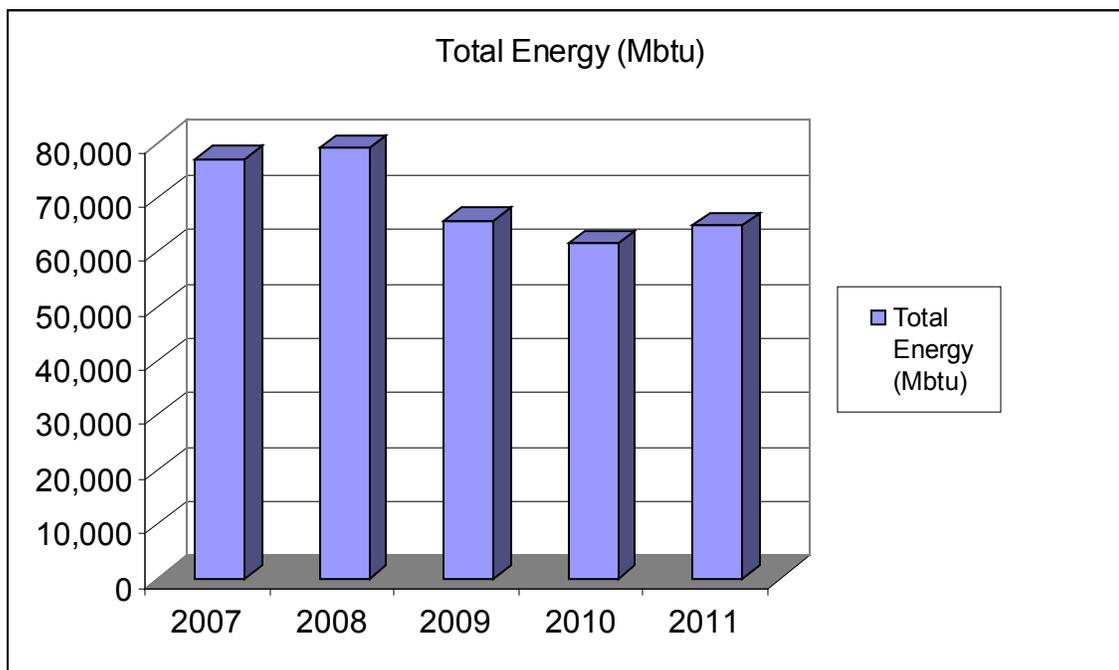
Energy Conservation Sites*

No specific goal for these sites, they are part of the Energy Conservation Objective

	Natural Gas (Therms)	Electricity (kWh)	Total Energy (Mbtu)
2007 (baseline)	277,851	14,437,245	77,045
2008	318,723	13,849,090	79,035
% change baseline	13%	-3%	3%
2009	259,829	11,701,592	65,798
% change baseline	-6.5%	-18%	-14%
2010	232,370	11,042,106	61,617
% change baseline	-16%	-23%	-20%
2011	267,088	11,182,433	64,863
% change baseline	-4%	-23%	-16%

* 149th St. Building A (Sheriffs), A1 Main, B West, D (Sign Shop), 149th St. Site, 78th St., Building B, B1, C, D, E, F, G, H, I, L, M, Q, Wash Rack, Center for Community Health, Courthouse, Corrections Center, Death Investigations, General Services Building, Jail Work Center, Public Service Center.

Note: Does not include Fairgrounds



Renewable Energy

Clark County has installed 173 KW of clean energy solar projects including an installation at the Clark County Jail that uses the first “thin-film” panel technology in the county. Note: 1KW = est. 1,100 kw/hr in the Pacific Northwest. During 2011 county solar projects generated 160,340 kWh or 1.4% of the county buidlings’ overall kWh usage (calculated from 11,182,433 kWh from energy conservation sites). A 23 KW project at the fairgrounds came on line in December 2011.

Renewable Energy

Provide 2% of county electricity needs through on-site generation by 2014

	Comm. Health (50 KW)	Juvenile (20 KW)	Facilities (30KW)	PSC (25KW)	Jail (25KW)	Fair Grounds (23 KW)	TOTAL (kWh)
2009 Totals (kWh)	55,080	23,220	38,900	29,750	14,710	n/a	161,660
2010 Totals (kWh)	59,040	24,200	42,380	30,650	15,210	n/a	171,480
2011 Totals (kWh)	56,680	23,260	36,590	29,260	13,580	970	160,340



In addition, thermal solar systems are in place at Public Services, Center for Community Health, Jail and Jail Work Center which offset energy usage (estimated at 123,500 kWh per year).

In 2002 Clark County committed to purchase green power as part of the Public Service Center’s LEED certification effort. 120,600 kWh per month (1,447,200 kWh per year) are purchased through Clark Public Utilities’ Green Lights program. This represents approximately a 6% offset of the County’s overall electricity usage.



Energy Conservation Projects -

Salmon Creek Wastewater Treatment Plant

The Treatment Plant installed new technology allowing for more of the methane produced from the anaerobic digestion to be used for heating the plant instead of natural gas. This equates to a 57% reduction from 2007 with annual cost savings of approximately \$30,000. In addition more efficient methane flare burners were installed for the extra methane gas not utilized for heat, significantly reducing greenhouse gas emissions (see page 4 for details).

Salmon Creek Wastewater Treatment Plant

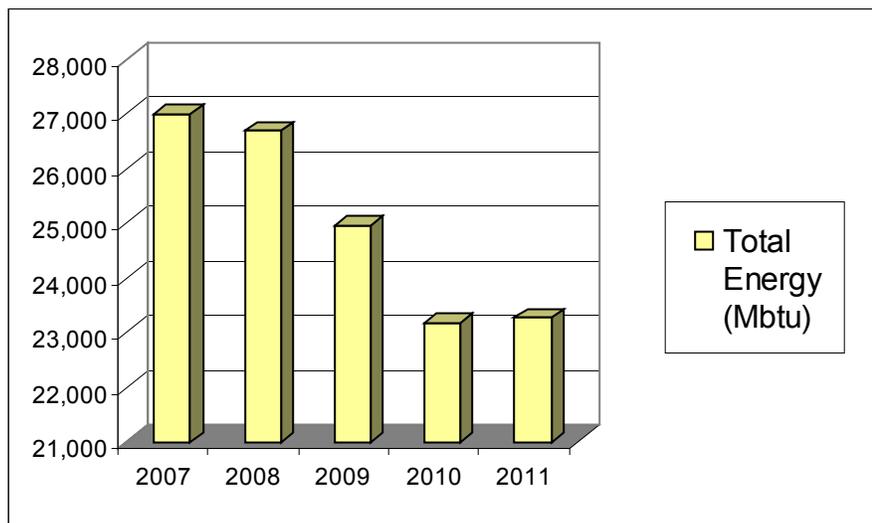
No specific goal for this site, it is part of the Energy Conservation Objective

	Natural Gas (Therms)	Electricity (kWh)	Total Energy (Mbtu)	Average MGD*
2007	54,984	6,302,088	27,001	7.0
2008	57,817	6,124,937	26,680	6.9
2009	44,658	6,002,220	24,945	6.8
2010	16,732	6,304,573	23,184	7.45
2011	23,838	6,121,220	23,269	7.3

*MGD=Million gallons per day

There are seven major components of the current system that work together to keep our neighborhoods livable and protect our environment. They are:

- The Salmon Creek Interceptor
- The 36th Ave. Pump Station
- The 36th Ave. Force Main
- The Salmon Creek Wastewater Treatment Plant
- The Outfall to the Columbia River
- The 117th St. Pump Station
- Force Main from Klineline to 117th St.



Commute Trip Reduction

Reduce single occupant vehicle commute trips by 10% & vehicle miles traveled by 13%

PW - Operations	Drove Alone (Goal 86.4%)	VMT/Employee (Goal 11.8)
2007-2008 (baseline)	96%	13.6
2009-2010	92.3%	12.3
2011-2012	93.5	12.7
% Change Needed for Goal	-10.0%	-13.2%
% Change from Baseline	-2.6%	-6.6%
PSC & Downtown Campus	Drove Alone (Goal 75.4%)	VMT/Employee (Goal 9.6)
2007-2008 (baseline)	83.8%	11.0
2009-2010	80%	10.6
2011-2012	81.8%	11.1
% Change Needed for Goal	-10.0%	-12.7%
% Change from Baseline	-2.4%	0.9%
Center for Community Health	Drove Alone (Goal 81%)	VMT/Employee (Goal 9.7)
2007-2008 (baseline)	90%	11.3
2009-2010	84.4%	10.9
2011-2012	91.2%	11.5
% Change Needed for Goal	-10.0%	-14.2%
% Change from Baseline	1.3%	1.8%



Four Wheel Drive Vehicles

25% reduction of 4WD fleet by 2017 (2011 baseline)

	4WD Fleet
2011 (baseline)	100

Dept	4WD Fleet	Dept	4WD Fleet
Public Health	1	Community Development*	10
Community Services	2	Environmental Services	14
Medical Examiner	1	Sherriff	20
General Services	4	Public Works	43
Assessor	5	TOTAL	100
*Bldg - 6; Code - 2; Fire - 2			
** O&M 17; ENGR - 9; ER&R - 9; DEV - 3; MTRP -2; PARK -2; SEWER -1			

The Fleet Management Review Board received four requests to purchase (4) wheel drive vehicles:

1. 2/11/11 – PW Survey Field Crew - This request is for replacing an existing 1994 Chevrolet Suburban 4 wheel drive, with a Ford F350 crew cab pickup truck. The Suburban is scheduled for replacement.
2. 2/11/11 – PW Replace one (1) Four (4) Wheel Drive Vehicle for South Parks - Maintenance and Operations. Driven by the South Parks Crew Chief.
3. 2/11/11 – DES purchase 2 - 4WD vehicles; one to replace a suburban driven by the division manager and the second a new vehicle for a newly hired field inspector
4. 9/12/11 – DES replace a Chevrolet Astro Van with a 4WD for stormwater and surface watering monitoring.

Biosolids Management		
25% reduction in biosolids hauling fuel use by 2017 (2011 baseline)		
	Total Hauling/Spreading Cost	Fuel Usage (gallons)
2011 (baseline)	\$500,000	10,813

The county annually transports and spreads approximately 10,000 wet tons (1,300 dry tons) of class B biosolids at 3 sites:

1. Natural Selections Farms, Klickitat County
2. Parker Ag/M&J Farms, Woodland
3. Peterson Farms, Woodland

The goal of the biosolids program is to get to a class A product and keep the material local.

Long Haul: $166 \text{ loads} \times 360 \text{ miles per load} = 59,760 \text{ miles}$; $59,760 / 6 \text{ mpg} = 9,960 \text{ gallons}$
Local Haul: $128 \text{ loads} \times 40 \text{ miles per load} = 5,120 \text{ miles}$; $5,120 / 6 \text{ mpg} = 853 \text{ gallons}$

$9960 + 853 = 10,813$ estimated gallons used in 2011.

Garbage	
20% reduction in garbage generation by 2017 (2011 baseline)	
	2011 (Tons)
Downtown Compactor	126.71
Roll Off Containers	268.28
Self Haul to Transfer Stations	21.41
Parks	216.47
Other County Buildings and Sites	132.76
Center for Community Health	279.80
TOTAL - Tons	1,045

Downtown Compactor: 40 yard compactor located on Kauffman, services County buildings including the Public Service Center, Clark County Courthouse, CRESA, Juvenile, Medical Examiner, Auto License and Elections, Prosecuting Attorney, Facilities and Records Management, and Board of Equalization bldg. Also includes County parks without service through Waste Connections.

Source: Waste Connections Account Audit, tonage.

Roll Off Containers: Dumpsters that are transported, weighed, and charged by ton. These include those located at the Maybry Site, 78th St. Ops, 149th St. Ops, Washougal Site, and Whatley Pit Site. *Source: Waste Connections Account Audits, tonage.*

Self Haul to Transfer Stations:

Department	West Vancouver TS	Central Transfer Station	Total Self Haul
Corrections		0.49	0.49
Facilities Mgmt.	8.08	4.93	13.01
Parks/Operations	3.62	2.71	6.33
Maint/Operations		1.58	1.58
Total Tons	11.70	9.71	21.41

Parks: Includes parks with service through Waste Connections. Other parks are serviced by Facilities Management and brought back to the compactor located on Kauffman.

Source: Waste Connections Account Audits, max yards and schedule. Density conversion factor used.

Other County Buildings and Sites: Includes those serviced by Waste Connections by yard on a schedule. *Source: Waste Connections Account Audits, max yards and schedule provided. Density factor used to calculate tonage.*

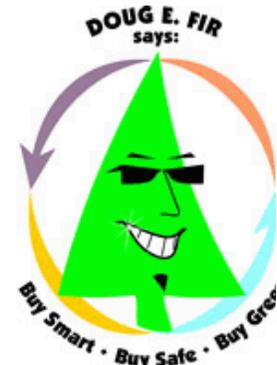
Center for Community Health: 30 yard compactor. *Source: Waste Connections Account Audit, tonage provided.*

Source: Waste Connections Account Audit

Environmentally Responsible Purchasing

In December of 2004, Clark County adopted an Environmental Purchasing Policy. The purpose of this policy is to reduce negative impacts to human health and the environment through the development of criteria for county purchases.

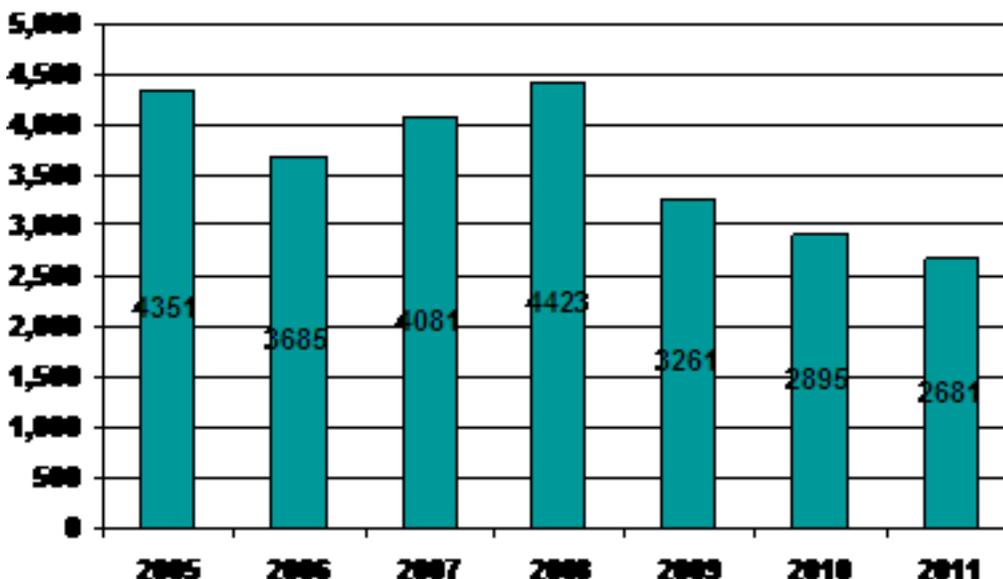
Environmental Purchasing			
100% Compliance for Pesticide Products			
Year	Approved (\$)	Not Approved (\$)	Compliance % Total
2006	\$51,587	\$3,158	94%
2007	\$53,135	\$394	99%
2008	\$56,676	0	100%
2009	\$69,646	\$293	99.9%
2010	\$89,994	\$1,107	98.7%
2011	\$57,823	0	100%



In 2011, Clark County used over 70 tons of recycled copy paper saving 521 trees.

- ✓ 1 case (10 reams) of 100% virgin copier paper uses .6 trees
- ✓ 40 cases weighs 1 ton.
Therefore, each ton uses 24 trees
- ✓ 1 ream (500 sheets) uses 6% of a tree (and those add up quickly!)
<http://www.conservatree.com/learn/EnviroIssues/TreeStats.shtml>

Copy Paper Usage (Cases)



In 2011, the Growing Green Program planted six sites covering 48 acres to enhance property with native vegetation to maximize the ecological benefits from our county. Other benefits of the project include:

- Enhancing conservation lands
- Improving water quality
- Reducing the amount of polluted storm runoff into streams
- Controlling noxious weeds
- Engaging the community

325 volunteers contributed
 more than **1,075** hours at
 Growing Green sites.

Ecological Enhancement

Restablish native vegetation on 100 acres of County land by 2012

Location	Plants	Acres Planted	Location	Plants	Acres Planted
	2010	2010		2010	2011
Daybreak Park	3,000	5.5	Zimmerly	2,130	2.82
Ford Park	3,942	10.6	University Place	630	2.1
Clark County Fairgrounds	5,040	13.1	Vancouver Lake	766	2.8
Durkee Park	2,446	7.22	Schaefer	7,306	21.1
Greyhawk Park	432	1.04	Hockinson Park	7,246	17.17
Veatch Park	300	1.08	Mackie Park	545	1.81
Becker Park	4,161	14.68			
2010 Annual Total	19,321	53.22	2011 Annual Total	18,623	47.8



Planted species include big leaf maple, Oregon ash, black cottonwood, Douglas fir, Cascara, Pacific willow, Scouler's willow, Western red cedar, Western hemlock, red alder, beaked hazelnut, serviceberry, black twinberry, red osier dogwood, Nootka rose, Douglas spirea, bitter cherry, tall Oregon grape, Pacific Ninebark, and Oregon Ash

Currently the weatherization program is using CFL's, Energy Star appliances and recycled insulation materials for attics, walls, floors, water heaters and exposed pipes. Items under consideration include LED lighting and hot water recovery systems. Other work consists of weather stripping, heating unit repairs and indoor air quality tests. HOME funded construction will need to meet Evergreen Standards that have been adopted by the Housing Trust Fund.

Weatherization

Weatherize as many homes as possible given available weatherization resources

	# Units	Average Cost	Installed Measures
1998	134	\$3,163	\$423,883
1999	103	\$3,186	\$328,136
2000	103	\$3,827	\$394,216
2001	250	\$2,726	\$681,483
2002	251	\$3,300	\$828,212
2003	230	\$3,627	\$834,252
2004	344	\$2,472	\$850,492
2005	228	\$3,918	\$893,210
2006	227	\$4,443	\$1,008,630
2007	176	\$5,721	\$1,008,412
2008	130	\$6,195	\$805,346
2009	258	\$5,426	\$1,399,828
2010	189	\$5,481	\$1,035,909
2011	266	\$5,094	\$1,355,017
TOTAL	2,700		\$10,811,117



Clark County Sustainability Accomplishments

Dept.	Year	Action/Task	Notes
		Policy	
BOCC	2010	Sustainable Communities Ordinance	
BOCC	2010	Volunteer Green Building Code	
BOCC	2009	Shop Local Resolution	
BOCC	2007	Sustainability Policy	
BOCC	2004	Environmentally Responsible Purchasing Policy	
CD	2010	Free Home-Heating Duct Inspection Program	700 houses tested 03/10-08/12 (80% failure rate)
DCS	On-going	Weatherization -- Evergreen Standard, Energy Star in all Contracts	Replaced 300 refrigerators
DCS	On-going	Community Development Block Grant (CDBG) and Home Investment Partnership Program (HOME)	Urban County Advisory Board
DCS	On-going	Housing Preservation -- Lead-Based Paint Hazard Control Grant	
DCS	On-going	Neighborhood Stabilization Program	Urban County Advisory Board
DCS	On-going	Homelessness Prevention & Rapid Re-Housing Program	Community Action Advisory Board
DCS	On-going	Community Services Block Grant (CSBG)	Community Action Advisory Board
DCS	2010	SERC Grant	24 ductless heat pumps; 1 solar water heater; 8 PV Rooftop systems; 27 Hybrid Water Heaters; 4 HRV
DES	On-going	Legacy Lands	3,620 acres
DES	On-going	Household Hazardous Waste Disposal Program	35,902,958 pounds from 1986-2010
DES	On-going	WA Green Business	13 founding members
DES	On-going	WA Green Schools	42 participating schools
DES	2011	Sustainable Timber Management	1,100 acres certified to Forest Stewardship Council
DES	2009	Upper Whipple Creek Habitat Protection	
DES	2009	¼ acre Permaculture Food Forest	Heritage Farm
DES	2009	Roll Cart Roll Out	45,000 households; 6,500 MF
DES	2005	Save Organic Scraps Food Waste Composting Program	92 schools to date, 63,500 students participating
DES	2003	Medications Disposal Program	11,800 lbs. collected in 2011
DES	2001	Curbside Yard Debris Collection Program	
DES	On-going	Commute Trip Reduction Program	Buss Passes, Carpool, Bike Lockers, Emergency Ride Home

Clark County Sustainability Accomplishments (continued)

Dept.	Year	Action/Task	Notes
DES	2009	Break Room Composting (PSC)	2010 expanded to CCH
DES	2008	Climate Registry Information System	Founding member
HR	2010	Added sustainability to Performance Evaluation Form	
GS	2003	Green Power Purchase	1,200 blocks per month
GS	2003	Performance Contracting Phase 1	\$3.2 million
GS	2003	Public Service Center Built to LEED Standard	
GS	1994	Incredible Shrinking Can	\$17,000 annual savings
GS	2009	Pesticide Free Community Gardens at Heritage Farm	Expanded from 30 plots to 80
GS	2009	Food Bank garden at Heritage Farm	Expanded from 2 to 4 acres
GS	2009	E-Pay Setup for 300 Utility Accounts	Utility Manager Software
GS	2008	Performance Contracting Phase II	\$8 million
GS	2008	155 KW of Solar PV Installed	On County Buildings
GS	2008	Solar Thermal Systems Installed	10,658 Gallons of storage
IT	2010	Smart Power Strips	
PH	2006	Food System Council	
PW	2005	Acquisition of 4 Wehel Drive Vehicle Policy	
PW	2005	Mercury Switches Eliminated	
PW	2005	Bulk Purchase of Brake Clean and Transmission Fluid	
PW	2005	Re-refined Universal Tractor Fluid	
PW	2005	Diesel Oxidation Catalysts	
PW	2004	Ultra Low Sulfur Diesel	3 years ahead of phase out
PW	2002	B20 Bio-Diesel Mix	1st shipment to PNW
PW	2001	Hybrid Vehicle Acquisitions	9 purchased to date
PW	2000	LED Traffic Lights & PED Crossing	100% by 2010
PW	1999	Refurbishing of Police Vehicles	
PW	1997	Re-Refined Antifreeze	
PW	1996	Oil Filter Draining and Crushing	

Clark County Sustainability Accomplishments (continued)

Dept.	Year	Action/Task	Notes
PW	2010	Converted Mowers to Non-Motorized	
PW	2009	Fuel Additive	Increased fuel quality and mileage
PW	2008	West Mill Creek - A Large Public LID Project on a Large, Regional Scale	
PW	2004	Deconstruction Rather Than Demolition/Disposal	15 buildings to date
PW	2003	ISO 14001 Certification	Annual assessment
PW	2000	Hybrid Vehicle Resolution	
PW	1995	Re-Refined Motor Oil	
PW	2010	NE 113th Ave & NE 96th St Curb Extension Project	
PW	2009	99th/Lakeshore rain garden	
Sheriff	2010	Electric Forklift for Sheriff's Warehouse	

Key	
BOCC	Board of County Commissioners
CD	Community Development
DCS	Department of Community Services
DES	Department of Environmental Services
GS	General Services
HR	Human Resources
IT	Information Technology
PH	Public Health
PW	Public Works
Sheriff	Sheriff