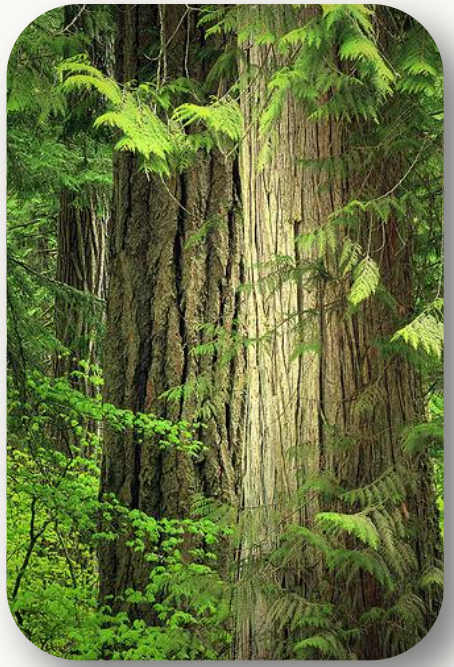
Sustainable Skagit

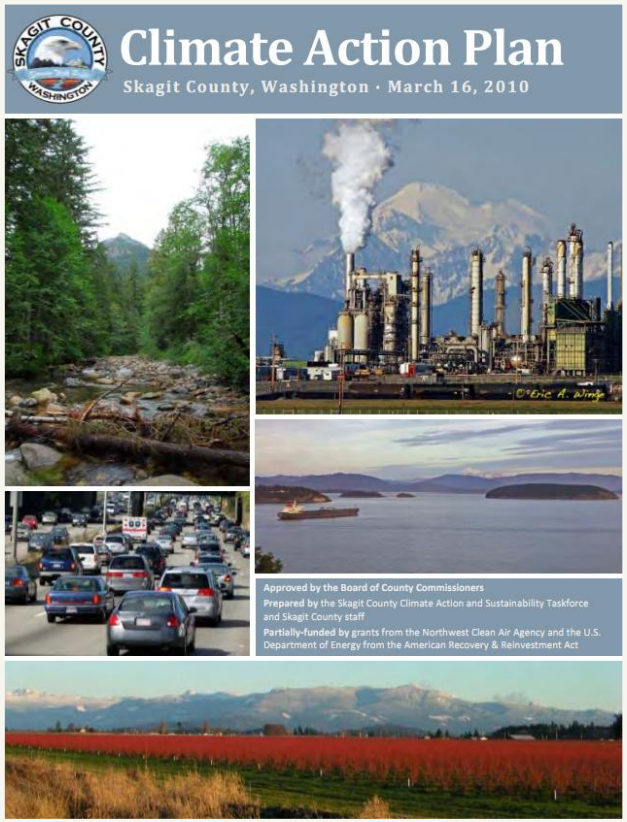
Climate Action and Sustainability Initiative



2011 Q2+Q3 Report

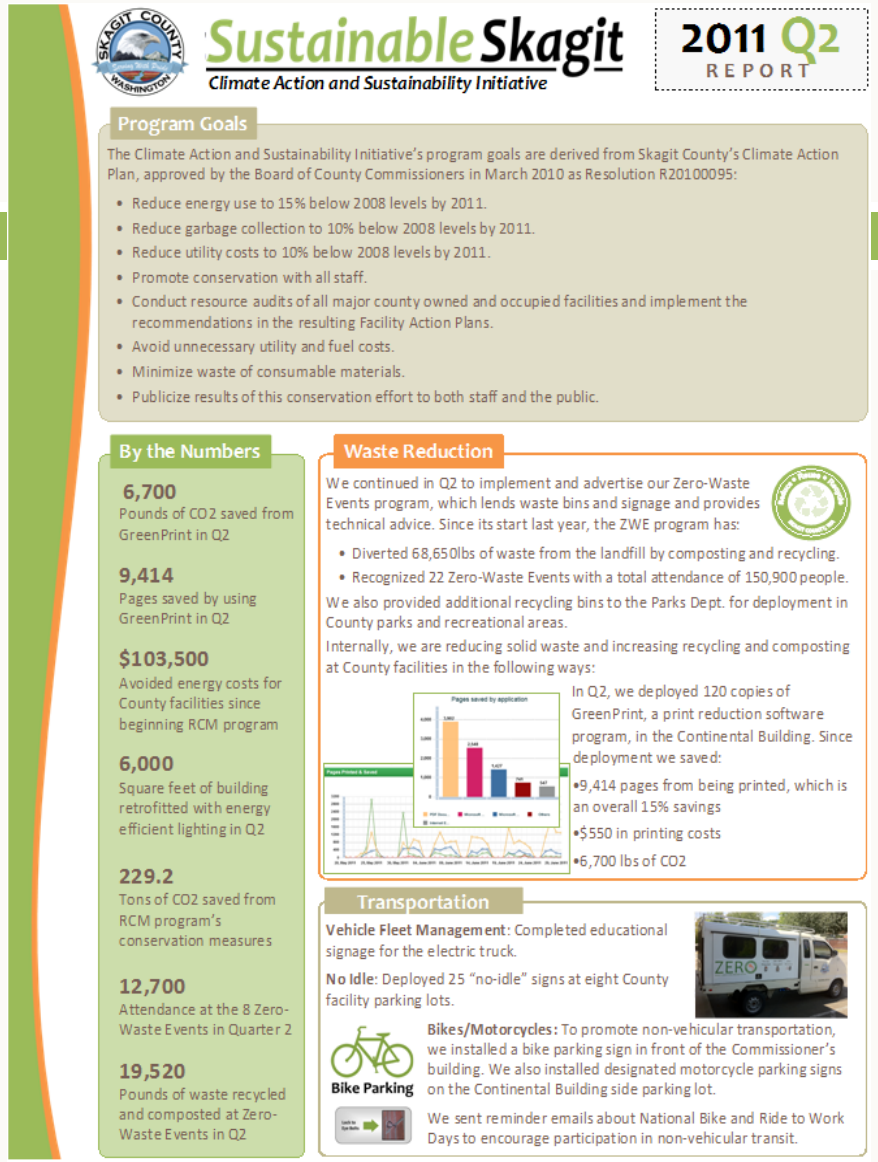
Program Goals

- Reduce energy use & waste
- Reduce utility & fuel costs
- Facility audits & action plans
- Promote conservation
- Publicize efforts & results



www.skagitcounty.net/sustainability

Quarterly Reports



Sustainable Skagit
Climate Action and Sustainability Initiative

2011 Q2 REPORT

Program Goals

The Climate Action and Sustainability Initiative's program goals are derived from Skagit County's Climate Action Plan, approved by the Board of County Commissioners in March 2010 as Resolution R20100095:

- Reduce energy use to 15% below 2008 levels by 2011.
- Reduce garbage collection to 10% below 2008 levels by 2011.
- Reduce utility costs to 10% below 2008 levels by 2011.
- Promote conservation with all staff.
- Conduct resource audits of all major county owned and occupied facilities and implement the recommendations in the resulting Facility Action Plans.
- Avoid unnecessary utility and fuel costs.
- Minimize waste of consumable materials.
- Publicize results of this conservation effort to both staff and the public.

By the Numbers

6,700
Pounds of CO2 saved from GreenPrint in Q2

9,414
Pages saved by using GreenPrint in Q2

$103,500
Avoided energy costs for County facilities since beginning RCM program

6,000
Square feet of building retrofitted with energy efficient lighting in Q2

229.2
Tons of CO2 saved from RCM program's conservation measures

12,700
Attendance at the 8 Zero-Waste Events in Quarter 2

19,520
Pounds of waste recycled and composted at Zero-Waste Events in Q2

Waste Reduction

We continued in Q2 to implement and advertise our Zero-Waste Events program, which lends waste bins and signage and provides technical advice. Since its start last year, the ZWE program has:

- Diverted 68,650lbs of waste from the landfill by composting and recycling.
- Recognized 22 Zero-Waste Events with a total attendance of 150,900 people.

We also provided additional recycling bins to the Parks Dept. for deployment in County parks and recreational areas.

Internally, we are reducing solid waste and increasing recycling and composting at County facilities in the following ways:

In Q2, we deployed 120 copies of GreenPrint, a print reduction software program, in the Continental Building. Since deployment we saved:

- 9,414 pages from being printed, which is an overall 15% savings
- $550 in printing costs
- 6,700 lbs of CO2

Transportation

Vehicle Fleet Management: Completed educational signage for the electric truck.

No Idle: Deployed 25 "no-idle" signs at eight County facility parking lots.

Bike Parking

Bikes/Motorcycles: To promote non-vehicular transportation, we installed a bike parking sign in front of the Commissioner's building. We also installed designated motorcycle parking signs on the Continental Building side parking lot.

We sent reminder emails about National Bike and Ride to Work Days to encourage participation in non-vehicular transit.

Reports available at:
www.skagitcounty.net/sustainability

Notable Numbers

- GreenPrint (Q2+Q3)
  - $550 saved
  - 9,230 pages saved
- RCM program (2yrs)
  - $103,000 saved
  - 230 tons CO_2 saved
- Energy Projects (Q2)
  - 6,000 sq. ft.
  - 5,900 kWh saved
- Zero-Waste (up to Q2)
  - 68,650 lbs diverted
  - 150,900 attendees

GreenPrint

- 9,230 pages saved
- $550 saved in printing costs
- 6,600 lbs of CO2 saved
- 25% savings within GreenPrint

- 170,419 Pages Printed = 1,300 pages/day
- $11,570 spent in printing = $2,000/Month
- 5% overall savings

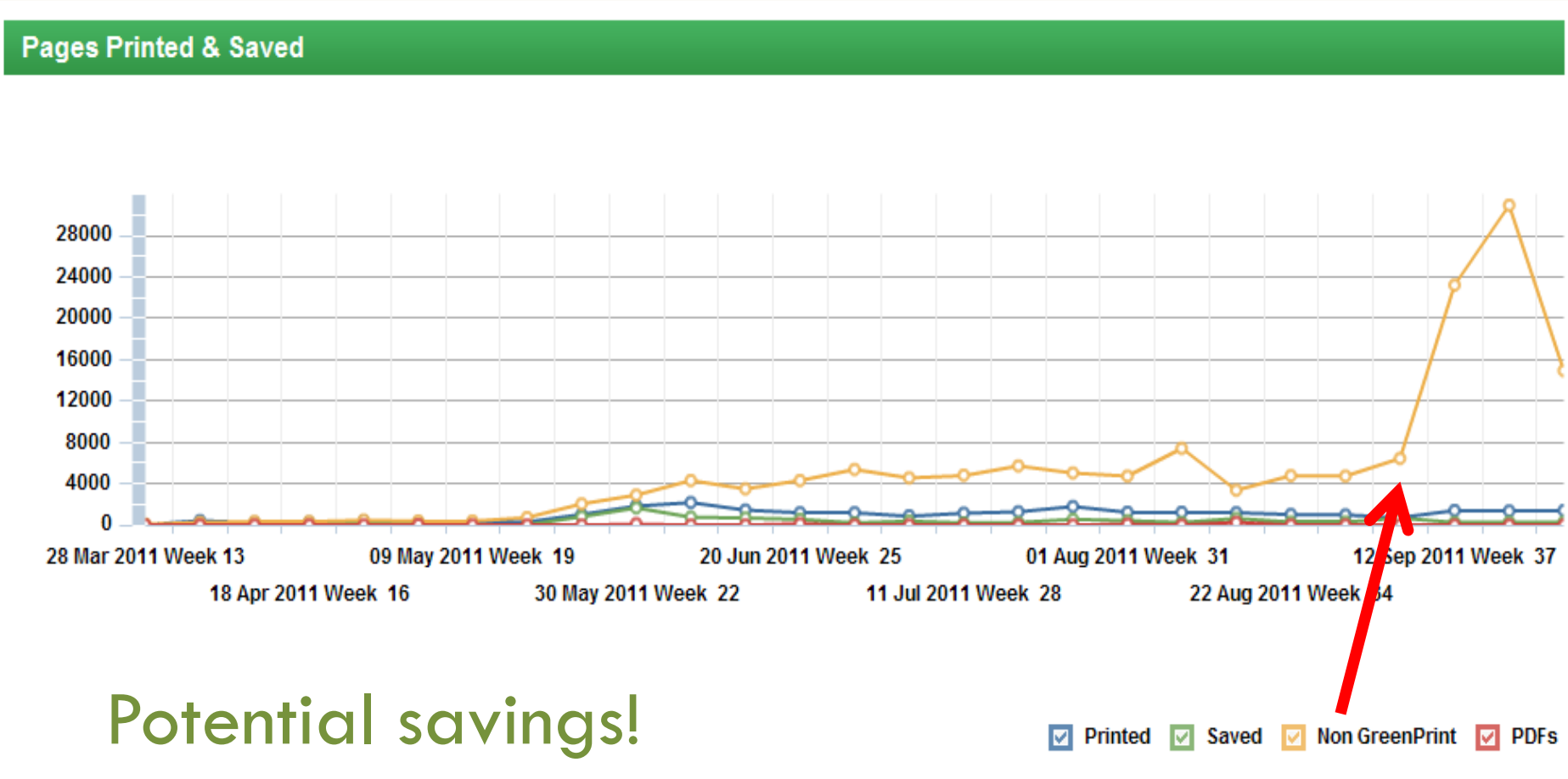
GreenPrint Stars

Employees who saved over 200 pages in Q2+Q3:

- Margo Gillaspy
- Permit 2 Printer
- Bill Dowe
- Kathryn Bowen
- Dan Berentson
- Kirk Johnson
- Emily Derenne
- Marge Swint
- Betsy Stevenson
- Barb Gibbons
- John Cooper
- Heather Bickford
- Brandon Black

GreenPrint

GreenPrint not fully utilized



Potential savings!

Zero Waste Events

12,700

attendees at the 8 Zero-Waste Events in Q2

19,520

pounds of waste recycled and composted in Q2

ZERO · REDUCE · COMPOST · RECYCLE · SKAGIT COUNTY, WA

Zero Waste Events

- Anacortes Spring Wine Festival
- Anacortes Waterfront Festival
- Bivalve Bash
- China Ministry of Land and Resources visit to Skagit County
- Garden Art Fair
- Oktoberfest
- Port of Skagit Family Day
- Samish Elders Banquet, Race, and Celebration
- Skagit County Fair
- Skagit County Homeless Connect Project
- Skagit County Soccer Tournament
- Swinomish Canoe Journey

Transportation

- Electric Truck
- No-Idle Signs
- Bike Parking
- Emails

Bike and Ride to Work!

May and June are bicycle and motorcycle riding month!

Why ride?
Reduce pollution and traffic congestion
It's fun and it will leave you feeling alert and energized
Slow the wear and tear on roads, bridges, and your own vehicle
Use less or no fuel, which saves you money and our community's resources

Help us celebrate by riding your bike and/or motorcycle to work all month and on these dates:

May 20th, 2011

BIKE TO WORK DAY

June 20th, 2011

WORK TO RIDE RIDE TO WORK
ANNUAL RIDE TO WORK DAY
3rd Monday in June

Energy Conservation Projects

- Energy Savings Performance Contracting
  - Scope of work approved
  - Work to begin in Q4
- Energy Projects
  - 6,000 sqft of lighting upgrades
  - 5,900 kWh saved
- PlugLoad Pledge
  - NEEA (Northwest Energy Efficiency Alliance)
  - NW governments, businesses, utilities
  - Reduce energy use and buy efficient electronics

SCOG RCM Program

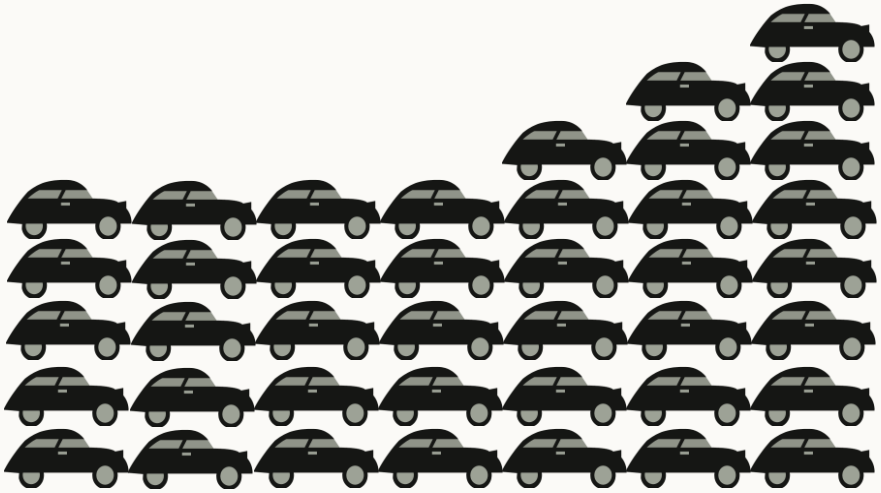
$103,000

Avoided energy costs for Jan 09 – Dec 10

230 tons

of CO_2 saved since May 2010

- Equivalent to annual emissions of 41 vehicles or annual electricity use of 26 homes



Facilities – 2011 Annual Review

2011 Annual Review

Skagit Family Resource Center Complex
2010 Facility Conservation Action Plan

Total change in energy use

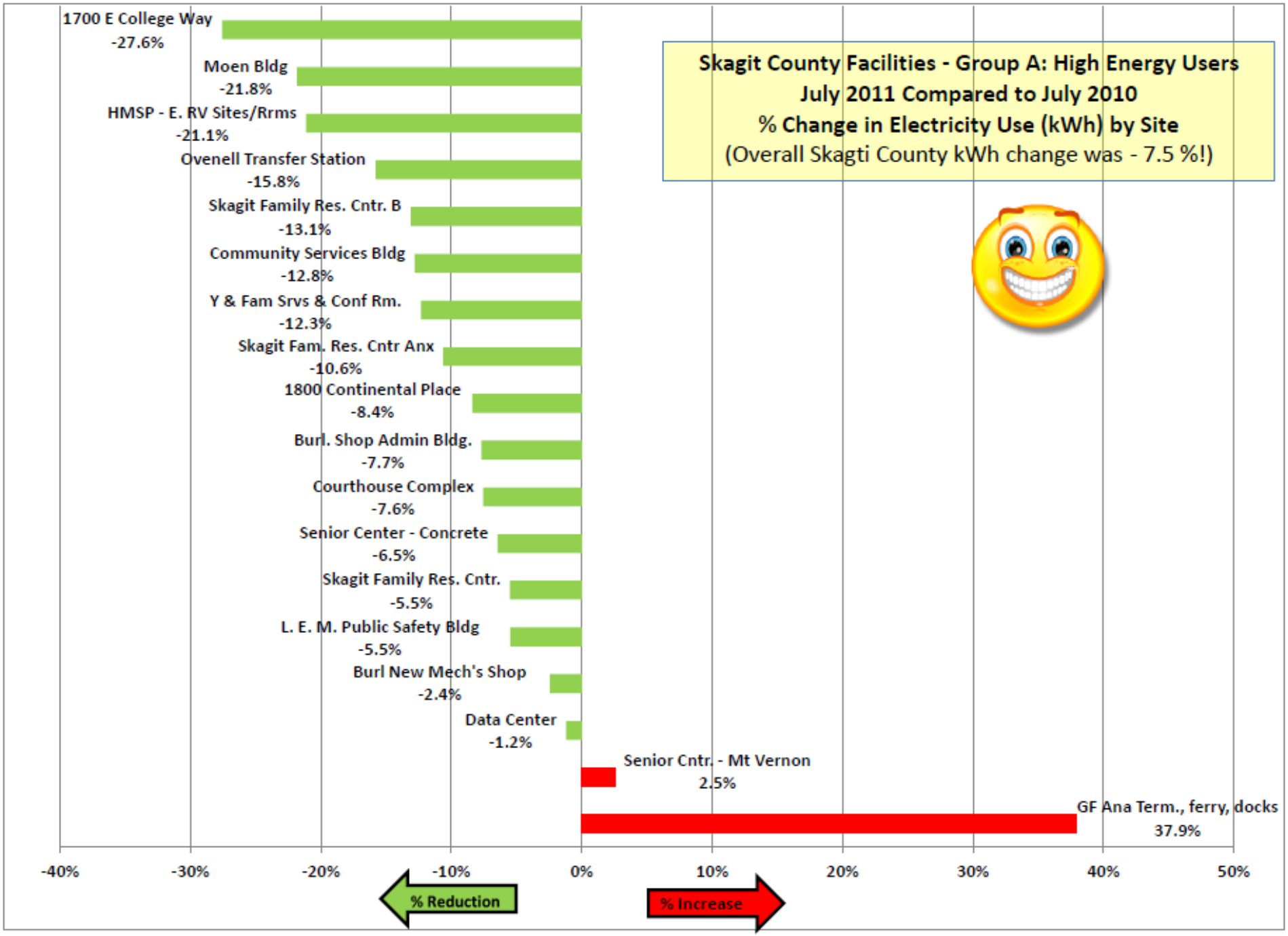
$1,550 reduced costs

2011 Annual Review

Skagit County Sheriff's Office Search and Rescue Building
2010 Facility Conservation Action Plan

Total change in energy use

$574 reduced costs


Skagit County Facilities - Group A: High Energy Users
July 2011 Compared to July 2010
% Change in Electricity Use (kWh) by Site
(Overall Skagti County kWh change was - 7.5 %!)
1700 E College Way
-27.6%
Moen Bldg
-21.8%
HMSP - E. RV Sites/Rrms
-21.1%
Ovenell Transfer Station
-15.8%
Skagit Family Res. Cntr. B
-13.1%
Community Services Bldg
-12.8%
Y & Fam Srvs & Conf Rm.
-12.3%
Skagit Fam. Res. Cntr Anx
-10.6%
1800 Continental Place
-8.4%
Burl. Shop Admin Bldg.
-7.7%
Courthouse Complex
-7.6%
Senior Center - Concrete
-6.5%
Skagit Family Res. Cntr.
-5.5%
L. E. M. Public Safety Bldg
-5.5%
Burl New Mech's Shop
-2.4%
Data Center
-1.2%
Senior Cntr. - Mt Vernon
2.5%
GF Ana Term., ferry, docks
37.9%
-40%
-30%
-20%
-10%
0%
10%
20%
30%
40%
50%
% Reduction
% Increase

Energy Stewardship Challenge

- Goal
  - 5% gross energy reduction from May-August
- Update
  - Total energy use increased by1.7%
  - Electricity use decreased by 3.9%, a $2,000 savings!
- Top Performers in May and June
  - Courthouse Complex
  - Transfer Station
  - Data Center
  - Search & Rescue Building
  - Concrete Senior Center

SCOG Shared-RCM Wrap-Up

- Ends in November 2011
- County costs: $10,000 per year
  - Additional grant funding - $125,000
- Saved $103,000 in previous 2 years

- Total program costs: $30,000
- Potential program savings: +$150,000

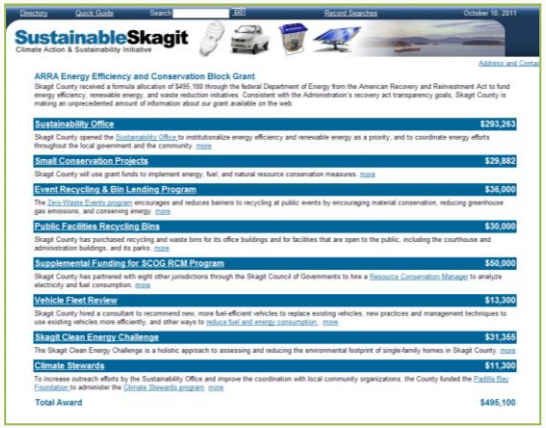
Potential Savings: $120,000

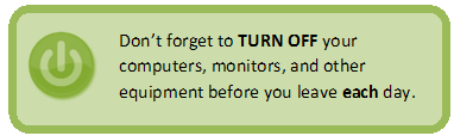
RCM Future

- No SCOG or Shared RCM program planned
- Reviewing possibilities for a new RCM program
- Benefits
  - Reporting of energy use and technical advice
  - Increased energy-saving measures
  - Additional cost-savings!

Outreach & Education

- Staff emails
  - Shut-down reminders
  - Event reminders
  - Project updates
- Webpage
  - Projects & updates
  - Grant expenditures
  - Facility plans
- Facebook
  - 660% increase in traffic
  - 100 views per post





Climate Stewards

- 12 new stewards
- 36 volunteers
- 280 volunteer hours January-June 2011
- Volunteer Summit
  - 68 attendees
- Youth Earth Summit
  - 117 attendees

Skagit Clean Energy Challenge

- New Name: Skagit Clean Energy Challenge
- Partnering with Whatcom County CEC
- Goal: 80 residential assessments
  - Energy
  - Water
  - Waste
  - Wildlife

Skagit Clean Energy Challenge

Home Energy Assessment

- 4-5 hour assessment of home's energy efficiency
  - Energy Performance Score and Energy Analysis Report
- The homeowner will pay $95
  - Skagit County using grant for remaining portion

Water Assessment

- Completed during same visit

Waste and Wildlife Assessments

- Meet with Master Composter Recyclers
- Meet with Master Gardeners
  - Achieve Backyard Wildlife Certification
- Completed separately, at no additional costs

Skagit Clean Energy Challenge

Post-Assessment

- Review recommendations and checklists
- Identify next steps and connect to contractors
- Apply for rebates, incentives, tax credits

Sign-Up

- SkagitCEC@co.skagit.wa.us or (360)419-7607
- Must own a single-family home in Skagit County

Upcoming Projects

- GHG Inventory Update
- E-Discovery
- ZWE and Recycling Expansion
- Paperless Policy
- Purchasing Policy

Sustainability Initiative

On the Web

www.skagitcounty.net/sustainability

"Like" us on Facebook

www.facebook.com/SustainableSkagit

Ryan Walters
Sustainability Administrator
ryanw@co.skagit.wa.us
(360) 419-3444

Kaci Radcliffe
Sustainability Coordinator
kacir@co.skagit.wa.us
(360) 419-7607