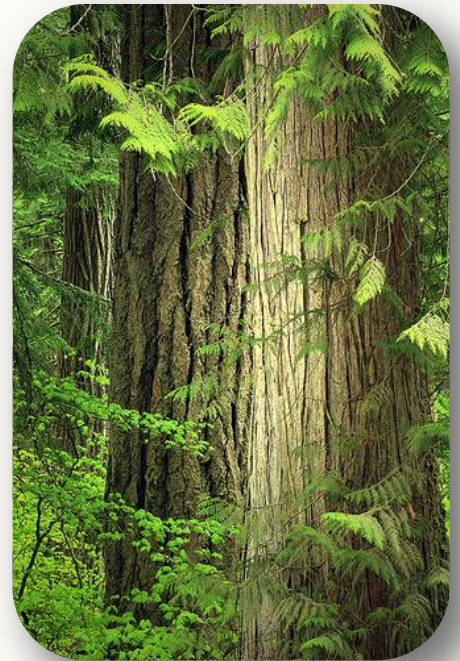


# Sustainable Skagit

## Climate Action and Sustainability Initiative



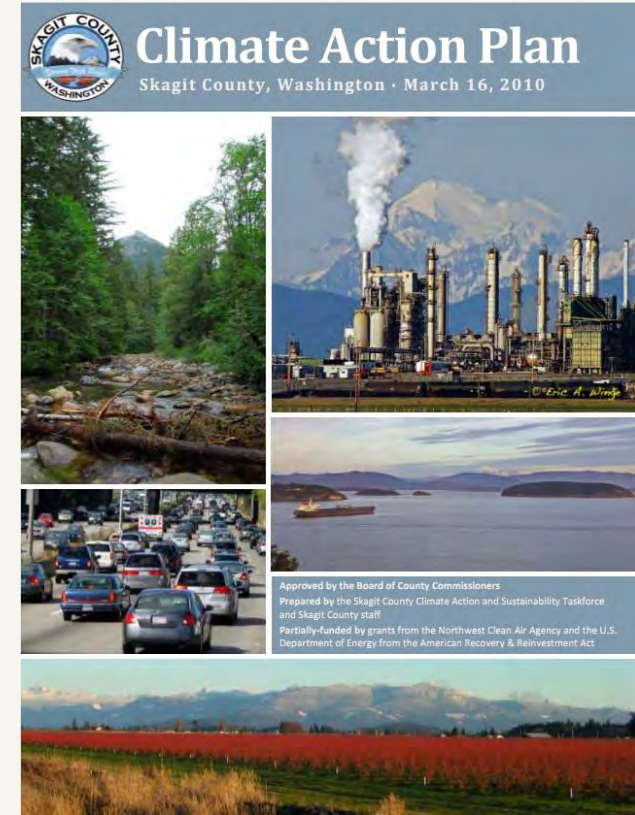
2011 Q4 Report



# Program Goals

2

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



[www.skagitcounty.net/sustainability](http://www.skagitcounty.net/sustainability)



# Quarterly Reports

3



## 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.

## Waste Reduction

**Zero-Waste Events:** Continued to implement and advertise the Zero-Waste Events program. In Q4, the ZWE program:

- Diverted **6,435** pounds of waste from the landfill by using composting and recycling at the events.
  - Recognized 4 Zero-Waste Events with a total attendance of **1,950** people.
- Successful events included Anacortes Oktoberfest and the Skagit Runners Fun Fowl Run, which is the first zero-waste running event in the County.

**GreenPrint:** The print-reduction software was installed on 120 computers in the Continental Building. In Q4, GreenPrint helped save:

- **5,553** pages from being printed, which is an overall **5.3%** savings.
- **\$1,008** in printing costs.
- **4,000** lbs of CO<sub>2</sub>.



## By the Numbers

**287,000**

Attendance at Zero-Waste Events since 2010

**144,400**

Pounds of waste diverted at Zero-Waste Events since 2010

**10,100**

Pounds of CO<sub>2</sub> saved using GreenPrint since May

**14,032**

Pages saved by using GreenPrint since May

## Resource Conservation Program

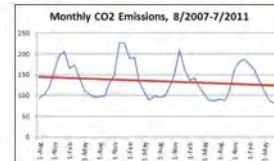
**Resource Accounting:** For 2011, Skagit County had a 5.9% reduction in electricity, which equated to **\$38,700** in savings. Fifteen County facilities had over a 10% reduction in electricity use.

Overall, the three-year program saw a decrease in CO<sub>2</sub> emissions and saved **227** tons of CO<sub>2</sub> in three years.

**Facilities:** Collaborated with Facilities staff and Cascade Natural Gas to review the feasibility of a natural gas heat pump pilot program. Attend PSE Lighting Expo with Facilities Manager to review lighting technologies and incentives.

**Program Transition:** Acquired approval for Skagit County to host a new RCM program. The SCOG RCM program ended in November and SCOG RCM Ric Boge retired. The Port of Skagit and Skagit PUD agreed to join the new RCM program. RCM duties were transferred to the Sustainability Coordinator.

**Training:** Attend PSE RCM trainings on solid waste and recycling, energy accounting, and energy auditing. Attended Department of Energy webinars regarding Portfolio Manager, the energy accounting software used to benchmark and certify Energy Star buildings.



Reports and presentation available at:  
[www.skagitcounty.net/sustainability](http://www.skagitcounty.net/sustainability)

# Notable Numbers

4

## □ Zero-Waste (Q4)

□ 1,950 attendees

□ 6,435lbs of waste diverted

= Yearly waste of 4 people



## □ RCM program (3<sup>rd</sup> Year)

□ 5.9% ↓ electricity

□ \$38,700 saved

## □ GreenPrint (Q4)

□ \$496 saved

□ 5,553 pages saved

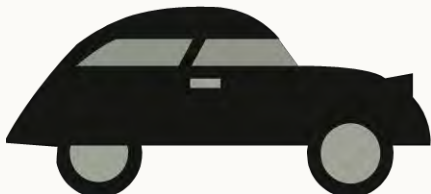


# GreenPrint

5

Since May 2011:

- 14,032 pages **saved**
- \$1,008 **saved**
- 5% **savings**
- 10,100lbs CO2 **saved**  
= emissions of one car/year



GreenPrint Stars 

Saved +300 pages in Q4:

- Jennifer Swanson
- Margo Gillaspy
- John Cooper
- Jim Martin
- Torey Nelson
- Jeff McGowan
- Michael See
- Bill Dowe

# GreenPrint

6

- GreenPrint still under utilized. Since May 2011:
  - 264,795 Pages Printed
    - = 1,708 pages/day
  - \$20,014 spent in printing
    - = \$2,860/Month
- Upgrade planned for February 2012

The screenshot shows a printing software interface with the following elements:

- PRINT**: A printer icon with a dropdown arrow.
- COPIES**: A numeric input field set to 1, with up and down arrows.
- Collate**: A checked checkbox with a document icon.
- PRINTER**: A dropdown menu showing the selected printer: \\printmvt\Commissioners Fr...
- DUPLEX**: A dropdown menu set to On-Long Edge.
- Color**: Radio buttons for B&W (selected) and Color.
- PDF**: A PDF icon.
- VIEW**: A grid icon and a preview window icon.
- ZOOM**: A horizontal slider bar.

At the bottom, a status bar displays the following information:

- Pages: 23 | 0
- Original Cost: \$ 2.25
- GreenPrint Cost: \$ 0.87
- Saved: \$ 1.38
- Total Printed: \$ 56.02

# Zero Waste Events

7

Program Totals (Since 2010)

**36**

Gold and Silver-Level Events

**287,000**

attendees

**144,400**

pounds of waste recycled and composted

= 220 tons of CO<sub>2</sub>



# RCM Program

8

- Energy Stewardship Challenge Wrap-Up
  - Goal of 5% energy reduction from May-Aug 2011
  - Results
    - 3.0% reduction in total energy use
    - 5.6% reduction in electricity
  
- 2011 Resource Accounting
  - 5.9% reduction in electricity
  - \$38,700 saved through avoid utility costs



# SCOG Shared-RCM Program

9

- Ended in November 2011

**\$141,700**

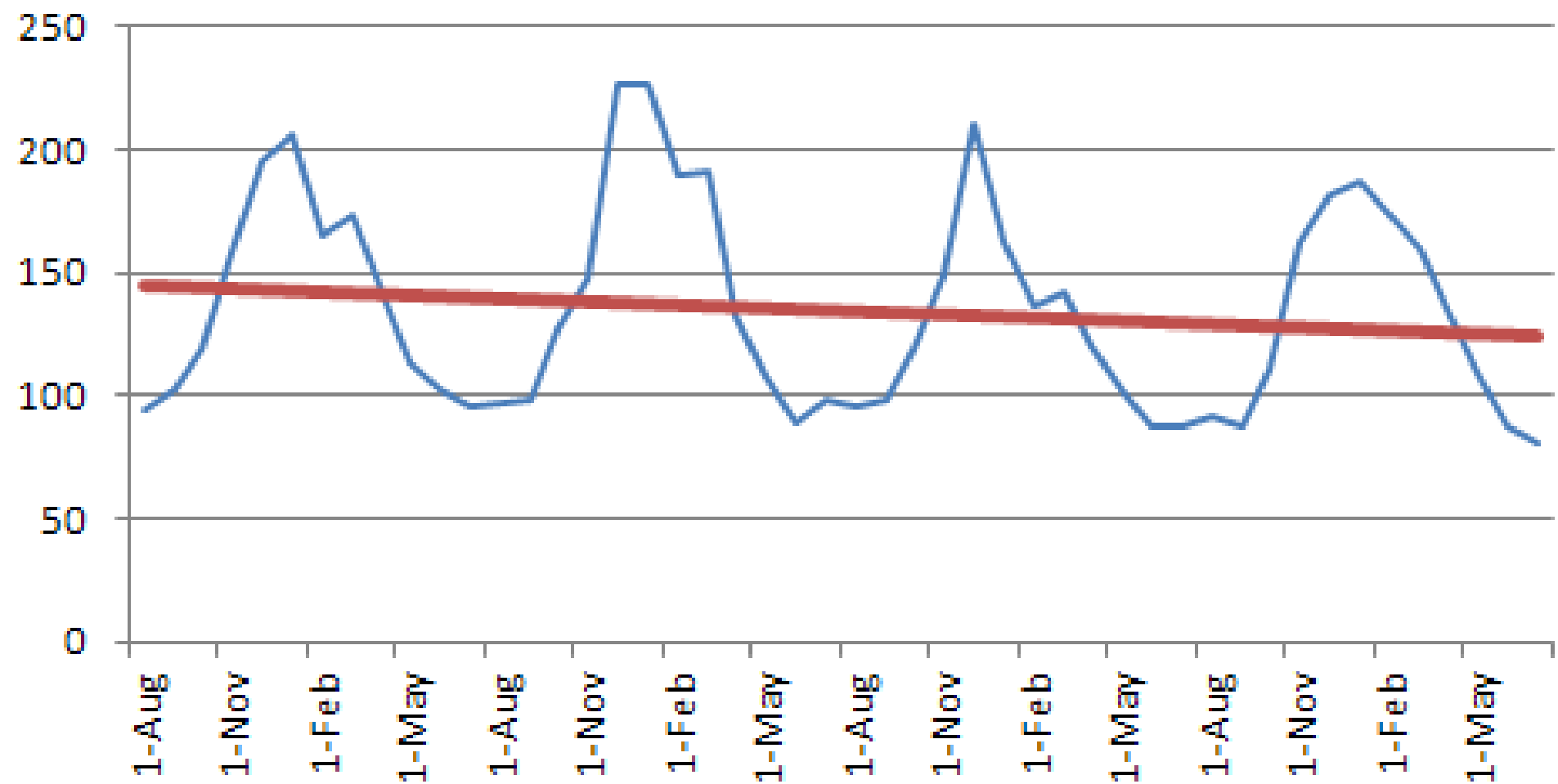
saved through avoided utility costs

**227**

tons of CO<sub>2</sub> saved

- County hosting new shared program
  - ▣ Partnering with Port of Skagit and Skagit PUD

# Monthly CO2 Emissions, 8/2007-7/2011



# Energy Savings Performance Contracting

11

- Implementation - January 2012
- Completion - July 2012
- Scope of Work:
  - ▣ Weatherization (completed)
  - ▣ Lighting
  - ▣ Mechanical/Electrical
  - ▣ Retro-commissioning
  - ▣ Water Conservation

# Transportation

12

## □ Electric Vehicles

- Attended regional EV workshop
- Investigating feasibility of charging stations at County facilities
- Staff survey in February 2012
  - Gauge level of interest and need





# Other Projects

13

## □ E-Discovery

- Electronic transfer of documents to Sheriff, Prosecutor, and Public Defender
- Completed purchase of software and scanners
- Will save 750,000 pages of paper per year

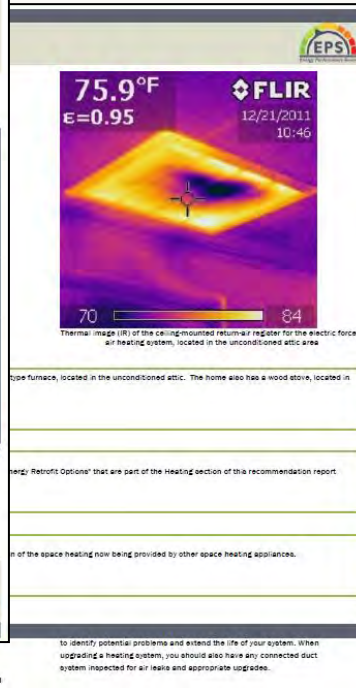
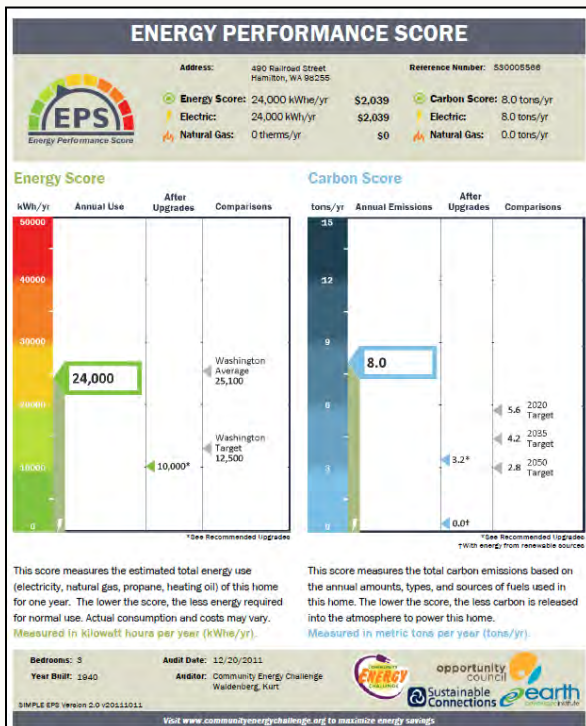
## □ Paperless

- Records Dept. assisted the Health Dept. with filing food handlers permits electronically
- Completed County code website update for mobile browsing and definitions



# Skagit Community Energy Challenge

- Goal: Provide 80 residential assessments
- Four focus areas:
  - Energy
  - Water
  - Waste
  - Wildlife





# Skagit Community Energy Challenge

15

- Launched program in December 2011
- New website and FAQs info  
[www.skagitcounty.net/SCEC](http://www.skagitcounty.net/SCEC)
- **Completed** 23 home energy assessments
- 1/2 sign-up slots now remaining
- Beginning waste and wildlife assessments in 2012 Q2



# Skagit Community Energy Challenge

16

## Open House

- February 22, 2012 - 2:30-5:00pm
- Held at Commissioners Building, Front Lobby
- Meet analysts, partners, participants

## Sign-Up

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

# Climate

17

## □ Climate Stewards

- Launching Cool Communities Campaign
- Skagit County will have 2 employee teams
  - Low-Carbon Diet to “Lose 5,000lbs of CO2 in 30 days”
- Residents can form their own teams
- Website: [www.coolskagit.org](http://www.coolskagit.org)



## □ GHG Inventory Update

- Update to be completed in 2012 Q2
  - Will include large emitters and 2009 data

## □ Update on CAP Goals

- Progress document to be published in 2012

# Outreach & Education

18

- Staff emails
  - Shut-down reminders
  - Project updates
- Radio Interviews
  - Green Holidays
  - Electric Truck
- Webpage
  - New SCEC webpage
- Presentations
  - Both RCM and Sustainability Coordinator presented during national webinar for Dept. of Energy
- Facebook
  - 200% increase in users



# Upcoming Projects

19

- Skagit Community Energy Challenge
- Energy Savings Performance Contracting
- GHG Inventory Update for CAP
- New shared RCM program

# Sustainability Initiative

20

## On the Web

[www.skagitcounty.net/sustainability](http://www.skagitcounty.net/sustainability)

## “Like” us on Facebook

[www.facebook.com/SustainableSkagit](http://www.facebook.com/SustainableSkagit)

### **Ryan Walters**

Sustainability Administrator

[ryanw@co.skagit.wa.us](mailto:ryanw@co.skagit.wa.us)

(360) 419-3444

### **Kaci Radcliffe**

Sustainability Coordinator

[kacir@co.skagit.wa.us](mailto:kacir@co.skagit.wa.us)

(360) 419-7607