

# Implementing Sustainability Emergency Management (2010-2015)

## Leaner & Greener

April 2011



Pierce County  
Office of Sustainability

“Sustainability is at the core of what we do. Our mission statement calls on us to help ‘create sustainable communities and enhance public safety by empowering all who work, govern, live in and visit Pierce County to prevent, mitigate, prepare for, respond to and recover from all types of hazards, emergencies and disasters.’ ”



Steven C. Bailey, Emergency Management Director



This document is printed in Calibri font to maximize electronic reading. Please do not print this document, but if you must please print double-sided.

# 2015 Pierce County Sustainability Goals

## Leaner & Greener

### Updated Pierce County Government Sustainability Goals



**Air Quality:** All areas of Pierce County are in compliance with federal air quality standards.



**Employee Sustainability Training:** When surveyed, 90% of Pierce County employees take sustainability into consideration in their jobs



**Energy Efficiency:** Reduce by 15%\* electricity and natural gas use in County facilities over January 2010 levels. All new County facilities are built to a LEED Silver or better standard.



**Green Purchasing and Recycling:** At least 50% of office products purchased have recycled content. Reduce purchase and consumption of copier/printer paper by 15%. Increase recycling by 35% \*\*. Reduce the amount of landfill waste by 30%.



**Transportation:** 50% of Pierce County's general use fleet to be hybrid/electric/alternative fuel vehicles. 25% of Pierce County employee commute trips will be public transit, carpool/vanpool, bicycle, walk, drive electric vehicles, telecommute or compressed work week.



**Water Quality and Quantity:** Reduce water use in our 43 owned buildings by 10%. On average Pierce County streams grade to a B- or better (Currently C).\*\*\*

Expanded Goal\*, Decreased Goal\*\*, New Goal\*\*\*

# Emergency Management – Leaner & Greener

## Department of Emergency Management 2015 Goal

- As vehicles retire, they will be replaced with hybrid or electric vehicles, achieving a 100%-green, non-emergency fleet.
- Cut paper consumption 15% by publishing our numerous emergency response and mitigation plans digitally. Transition our comprehensive and voluminous duty-officer operations manual to a digital format
- Institute a commute-reduction program utilizing a flex schedule with participation by 50% of the DEM staff.

## Transportation

- As we retire old vehicles, we'll replace them with hybrid or electric vehicles that are not only energy efficient, but also emit less pollution into the atmosphere.
- We are exploring methods to reduce commutes by Department of Emergency Management staff through flex schedules.
- We will continue to use video conferencing, conference calls and webinars in lieu of travel to meetings.
- When attendance at a meeting is mandatory, we will use car pools when possible.



## Air Quality

- Our Fire Prevention Bureau will continue to work closely with The Puget Sound Clean Air Agency to impose burn bans when atmospheric conditions warrant.
- Support alternatives to commuting.

## Green Purchasing and Recycling

- The requirement that DEM personnel who purchase office supplies buy green products will be reinforced.
- The record of DEM office supply purchases will be reviewed to keep track of the percentage of paper products we purchase made with recycled material.
- Publish emergency response and mitigation plans digitally, cutting paper use by 15%.

## Water Quality

- The Department of Emergency Management participates in flood mitigation planning and projects that also restore habitat – thus improving water quality and enhancing salmon recovery, in addition to reducing the impact of flooding.

## Greenhouse Gas Reductions

- Our transitioning to hybrid vehicles and more efficient computers translates to a reduction in greenhouse gases.

## Energy Efficiency

- We're swapping power-hungry PCs for energy-efficient ones that use less power, emit less heat, thus cutting the need for air conditioning.
- We will work with other departments at Annex West to cut energy use by 15%.

## Employee Sustainability Training

- DEM's recycling champion will encourage staffers to reduce the waste stream.
- Staff will be educated on mass transit alternatives.
- Office of Sustainability will meet yearly with DEM.

# 2010 Department Sustainability Snapshot Emergency Management

## Department Size

- Employees: **60**

## Employee Sustainability Education and Training

- % of employees have filled out the sustainability survey: **66.6%**
- % of employees who take sustainability into consideration in their jobs: **83%**
- General Sustainability Training: **No**
- Education on what creates greenhouse gases and strategies for reducing: **No**
- Wood stove educational training: **No**

## Energy Efficiency

- Building EnergyStar Score: **Annex West (N/A)**
- % reduction in energy use in office building: **Annex West +9%**
- Building Energy Cost per Sq Ft: **\$1.24**

## Green Purchasing and Recycling

- % of office products that have recycled content: **24.2%, Down 1% from 2009 total of 25.2%, 13.5% reduction in office supplies**
- % Reduction in Paper use: **10.2% reduction saved \$464**

## Transportation

- Vehicles Operated by Department: **6**
- Hybrid/Electric vehicles: **1**
- Mileage Reimbursements: **2,162 miles, 592 more than in 2009**
- Gasoline use: **1,817 unleaded gallons**
- Fleet MPG: **19.14 mpg**