



# **Annual Report**

## **Arvada Sustainable Action Plan Municipal Operations**

**August 2011-2012**

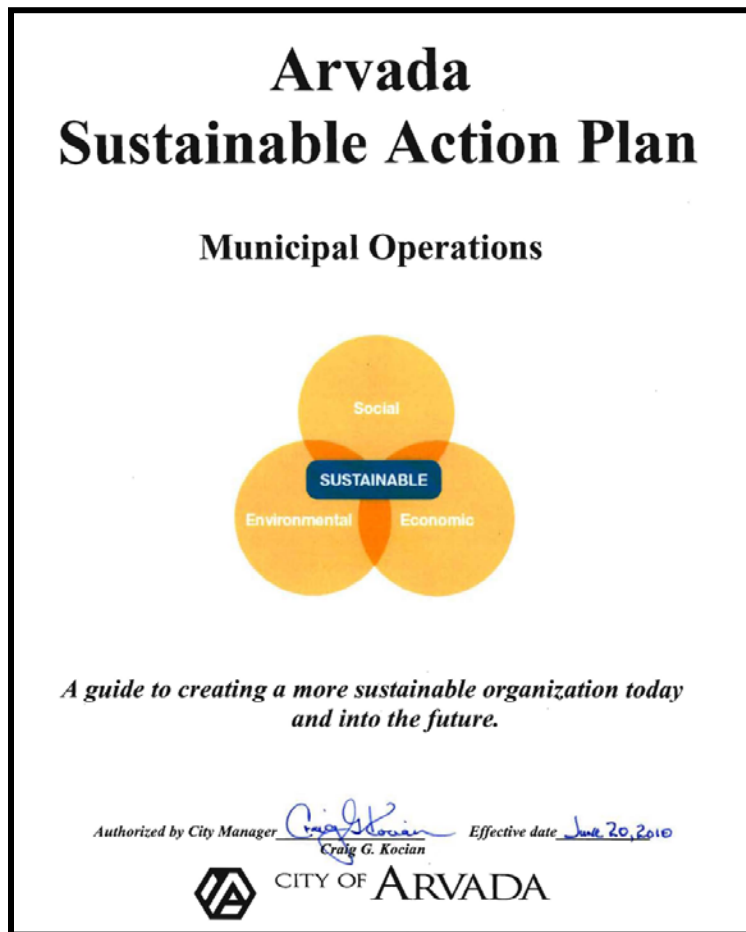


**CITY OF ARVADA**

## Introduction

In June 2010 the City Manager authorized the Arvada Sustainable Action Plan for Municipal Operations which provide actions for creating a more sustainable organization. Sustain Arvada is a way of honoring Arvada's rich heritage and preserving our resources to foster economic prosperity, environmental stewardship and community vitality today and into the future.

The plan called for a Green Team to be established consisting of a representative(s) from each City Department that would participate in the implementation of the plan. In addition, the plan called for an annual report from the Green Team to show the progress of implementation as well as communicate to the entire organization and community about the sustainability efforts taking place.



Full plan can be found at [www.arvada.org/sustainability](http://www.arvada.org/sustainability)

# Overview of Actions Implemented August 2011-2012

## Materials and Waste Management

- ✓ Diversion of recyclable and compostable materials provided by Waste Management quarterly. In the first two quarters of 2012, 145.7 tons of recyclable and compostable materials were diverted from the landfill;
- ✓ Two Big Belly solar compactors with recycling were installed on City property; One in the Olde Town Square and one at Stenger Lutz next to the concessions;
- ✓ Paper reduction education was distributed throughout the organization
- ✓ One office supply purchasing presentation was held in October of 2011 with all employees who purchase office supplies. A goal to purchase 50% of the supplies we use having recyclable or re-useable content was set;
- ✓ Compost and recycling began at the outdoor concert series at the Arvada Center;
- ✓ Recycling 101 lunch and learn was held in July of 2011;
- ✓ Battery and cell phone recycling was established in April of 2012 with collection locations at City Hall's main entrance, Annex building, and the Arvada Center
- ✓ A cell phone recycling drive was held during the Employee Earth Day celebration and 60 cell phones were collected;
- ✓ Zero waste employee events were held where food waste was composted and drink containers were recycled;
- ✓ Arvada Center began recycling wood and metal from sets
- ✓ Tracking paper usage has been established with paper vendor.

## Water and Land Management

- ✓ Shower timers installed in city facilities;
- ✓ According to Siemens 2007 energy audits all water fixtures in city facilities have been retrofitted to low water use types.

## Energy

- ✓ All energy data for City facilities is up-to-date in Portfolio Manager. The City of Arvada has reduced total energy consumption across facilities enrolled in Portfolio Manager by ten (10) percent; reduced the amount of energy necessary for purchase by approximately 13,781,468 kilowatts and received \$6,506.39 in direct payments from Xcel energy through the solar rewards program. These numbers are specifically linked to changes made at Majestic View Nature Center, City Hall, City Hall Annex, Water Treatment Plant and Arvada Community Food Bank.
- ✓ Panasonic printers copiers set to go into Energy Saver mode after 15 minutes of sitting idle using 80% less power;
- ✓ LED parking lot lights for the City Hall campus have been ordered and will be installed in October of 2012. Savings from this retrofit will be monitored;
- ✓ Sustain Arvada Green Team Group was created on Inside Arvada to educate employees about new programs and policies as well as create a place to ask questions and generate dialogue;

- ✓ Arvada City Council unanimously passed a resolution to build any new city buildings to a Leadership in Energy and Environmental Design (LEED) for New Construction Silver Standard. LEED certification provides independent, third-party verification that a building, home or community was designed and built using strategies aimed at achieving high performance in key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.

**Transportation**

- ✓ Arvada Pedal Power employee bike pool totaled 332 miles ridden;
- ✓ Telecommute/Flexible schedule policy approved January 2012;
- ✓ Created idling policy draft for City vehicles;
- ✓ Every Trip Counts program continued in conjunction with the Regional Air Quality Council to provide incentives for employees to take an alternate form of transportation to and from work during summer months;
- ✓ Bike to Work Day participation;
- ✓ Golf cart fleet changing from gas to electric in the fall 2012;

**Employee Health and Organizational Vitality**

- ✓ Continued wellness leave as an incentive;
- ✓ Green Team hosted Employee Earth Day Celebration that 160 employees attended;
- ✓ Continued health education through Wellness Committee;
- ✓ Flexible schedule policy approved January 2012;
- ✓ Alternative options for vending machines explored.

**All Topics and Goals included in the Arvada Sustainable Action Plan for Municipal Operations**

Topic Area	Goal
Waste Management	<ul style="list-style-type: none"> <li>• Establish sustainable purchasing guidelines</li> <li>• Increase recycling</li> <li>• Increase Composting</li> <li>• Reduce Resource Consumption</li> </ul>
Water and Land Management	<ul style="list-style-type: none"> <li>• Reduce water consumption on city owned land</li> <li>• Reduce water consumption in owned buildings</li> <li>• Increase public awareness of the importance of water conservation</li> </ul>
Energy	<ul style="list-style-type: none"> <li>• Increase the use of renewable</li> </ul>

	<p>energy in city facilities</p> <ul style="list-style-type: none"> <li>• Improve the energy efficiency of existing city buildings</li> <li>• Report utility usage for all City buildings to promote resource efficiency.</li> <li>• Pursue LEED designation for new and existing city facilities</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>• Reduce emissions from city owned vehicles</li> <li>• Increase efficiency of multi-modal travel and commuting</li> </ul>
Employee Health and Vitality	<ul style="list-style-type: none"> <li>• Increase the physical and mental health of city employees</li> <li>• Reward excellent performance</li> </ul>