Green initiatives

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MESSAGE FROM THE MAYOR AND COUNCIL

The City of Henderson has experienced tremendous population growth in recent years, and we have successfully responded to the challenges that accompany such growth with a winning combination of strategic planning and innovative approaches to development. In all our efforts, we have consistently focused on the goal of maximizing quality of life for our residents while minimizing impacts on our unique desert environment.

We intend to keep Henderson at the forefront of new ideas and technologies that protect our environment and preserve our high standards. We are committed to protecting the quality of our air and water, promoting the use of renewable energy, and reducing the overall consumption of natural resources. We are also committed to leadership by example through the implementation of sustainable practices in municipal operations and by fostering an ethic of conservation and stewardship throughout the community.

We will continue to expand our efforts in partnership with the community. Local environmental issues cannot be separated from their broader context, and we believe that choosing a more sustainable future is simply the right thing to do for our residents, our region, our nation, and our world.

HERE’S WHAT YOU CAN DO TO HELP CONSERVE ENERGY

Lower Your Utility Bills
Switch to Compact Fluorescent Light Bulbs.
Replace some or all of your incandescent bulbs with compact fluorescents (CFLs) and enjoy reductions in heat production, energy use, and electric bills!

Program Your Thermostat
When you are at home, keep the thermostat at 78°F or higher in the summer and 62°F or lower in the winter.

Choose Green Products
Choose ENERGY STAR Appliances
ENERGY STAR-qualified products meet a high level of energy efficiency, which can translate into savings on electric bills.

Reduce Water Use
Use less water by adding aerators (available for a few dollars at your local home supply store) to your sink faucets and changing to low-flow showerheads.

Green Your Yard
Plant Trees to Provide Shade for your House. This simple step can help you save money on heating and air-conditioning bills while providing beautiful views around your home.

Green Your Transportation
Carpool, Use Public Transportation, Walk or Bike. Environmental responsibility does not begin and end at your doorstep; green transportation can greatly reduce fuel costs and carbon emissions created by your daily routine.

For more information on what you can do, visit the following websites:
www.nevadapower.com
www.southwestgas.com
www.snwa.org
www.energy.gov
www.usgbc.org
www.rtcsnv.org

Incorporating Energy Conservation Methods

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Printed on Recycled Paper
The City of Henderson adopted its Energy Management Plan in 2002 to reduce energy use, saving an average of over $230,000 per year!

The City is currently assessing all its facilities to prepare a plan to incorporate energy conservation measures. Current and future measures include:

- Participation in Nevada Power “Sure Bet” Program ($92,356 in incentive rebates in 2008)
- Automatic Lighting Controls
- Energy Management Control Systems
- LED Lighting
- Compact Fluorescent Lighting
- Low Flow Plumbing Fixtures
- Automatic Metering Faucets
- Programmable Thermostats
- Energy Efficient Heating and Cooling Systems
- Roll Up Door Insulation
- Computer Power Management

Utility Services
The Department of Utility Services reclaims approximately 34% of the wastewater treated at the plant for use at golf courses, cemeteries and other re-use locations.

Fleet Services
Of the City’s non-emergency vehicle inventory, 90% are alternate fuel vehicles including:
- Compressed natural gas vehicles
- Hybrid cars
- Ultra low emission vehicles
- Ethanol blend capable vehicles

Parks and Recreation
The Department of Parks and Recreation has incorporated the following features into a variety of their facilities:
- Water Harvesting
- Permeable Paving
- Shade Tree Requirements
- Drip Irrigation
- Recycling Program
- Composting
- Efficient Ball Field Lighting
- Turf Conversion Program

The City’s Turf Conversion Program received the “Best Small Green Public Project” Green Award from the Las Vegas Business Press in August 2008. As of July 2008, the City converted over 1 million square feet of ornamental turf to desert landscaping, saving over 64.5 million gallons of water per year.

The City of Henderson will achieve its first LEED Certified buildings in the near future. Both the new Parks and Recreation Senior Facility and North Police Community Station are being designed to meet LEED Silver certification standards.

The new Utility Services Support Building is expected to be constructed by 2009 and will incorporate a number of energy efficient components.

The Southwest Water Reclamation Facility is expected to come on-line in 2010 and has been designed with a variety of energy efficient equipment.

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  - Computer Power Management

**SUPPORT SERVICES**

- Utility Services
  - The Department of Utility Services reclaims approximately 34% of the wastewater treated at the plant for use at golf courses, cemeteries and other re-use locations.

- Fleet Services
  - Of the City’s non-emergency vehicle inventory, 90% are alternate fuel vehicles including:
    - Compressed natural gas vehicles
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- Parks and Recreation
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    - Turf Conversion Program

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**POLICY INITIATIVES**

- Project Green
  - Pittman Wash Restoration Project

- Conservation Development
  - To create communities that respond to and respect the natural environment

- Open Space Plan Implementation
  - To preserve natural areas and trails

- Development Code Update
  - To incorporate elements of the City’s Open Space and Trails Plan, as well as green building principals

- Membership in US Green Building Council
  - To create partnership opportunities and enhance educational resources

- Boulder Highway Investment Strategy
  - To promote transit orientated development and the use of alternative commute choices

- Educational Programs
  - To provide public outreach and information to increase environmental awareness

- Adoption of the 2006 International Energy Conservation Code
  - To achieve more energy efficient buildings

- “ClubRide” Commuter Benefits Program
  - To encourage the use of alternative modes of transportation