

2014

ENERGY POLICY UPDATE

Our Goals

This report provides an update of 2014 activities and results related to the City of Fort Collins Energy Policy, adopted in 2009.

The primary goals of the Energy Policy are to sustain high-system reliability and to contribute to the community's climate protection goals and economic health. The Energy Policy 2050 vision is to ensure highly reliable, competitive, carbon neutral electricity supplies, managed in a sustainable, innovative, responsible and efficient manner for the Fort Collins community.

The Energy Policy Annual Update reviews progress made to date in the primary goal areas of the policy: reliability, climate protection, economic health and the City's collaboration with Platte River Power Authority. The Energy Policy and most recent annual updates are available at fcgov.com/utilities/what-we-do.

Did you know?

The Energy Policy will be revised in 2015 to reflect all primary energy use within the community and the new Climate Action Plan framework.

Annual Results

We can lead in **ENERGY EFFICIENCY** and have **LOW RATES** and **HIGH RELIABILITY**.

Customers continued to receive **HIGHLY RELIABLE ELECTRIC SERVICE**, as measured by an average system availability index of

99.9951%

The Point?

We have very reliable electric service. On average, customers had 0.4 outages (e.g., most customers zero, some customers one) for a total duration of 68 minutes.



Customer electricity **savings from efficiency programs** totaled

OVER 32,600 MEGAWATT-HOURS (MWh)

or 2.2% of the community's annual usage. This is equivalent to the annual electric use of over 3,600 typical Fort Collins homes.



What Does this Mean?

Customers are taking advantage of efficiency programs at a record pace.

Efficiency programs saved electricity with a lifecycle cost-of-conserved energy of 2.2 cents per kilowatt-hour (kWh), compared to an average wholesale electricity cost of 5.4 cents per kWh.

IT'S CHEAPER TO SAVE ELECTRICITY WITH EFFICIENCY

than it is to buy it **WHOLESALE**.



PV

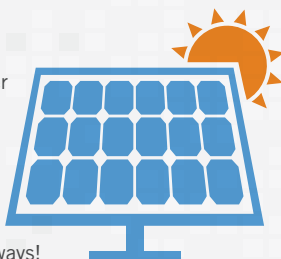
Photovoltaic (PV) capacity additions totaled 958 kilowatts (620 kW residential and 338 kW commercial).

300% more PV installed in 2014 than 2013!

Fort Collins Solar Power Purchase Program will add nearly **4 megawatts** of locally installed solar by December 2015. The Fort Collins Community Solar project started in late 2014 and will add over **600 kilowatts** and a gateway feature to the city.

So What You're Saying Is?

Solar is growing rapidly and in new ways!



RENEWABLE ENERGY

comprised 6.2% of total electricity in 2014.

And is growing with more solar and wind energy



Platte River added 60 megawatts of wind energy during 2014 and plans to add up to 30 megawatts of solar in 2015.

60 MEGAWATTS

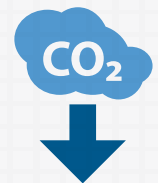
EFFICIENCY PROGRAMS GENERATED OVER \$27 MILLION

in local economic benefits through reduced utility bills, direct rebates and leveraged investment.

Reducing energy bills is a **WIN WIN**

Utilities started the Peak Partners demand response program with

WEB-ENABLED WI-FI THERMOSTATS



245k METRIC TONS

Avoided annual carbon emissions of over 245,000 metric tons from Energy Policy related programs.

That's a lot of carbon. See pie chart on back.



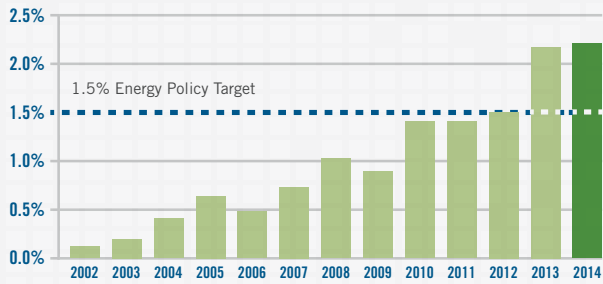
LOW RATES

As of July 2014, Fort Collins' typical residential customer bills were in the lowest 16% of 55 Colorado utilities reporting to the Colorado Association of Municipal Utilities (CAMU).

TRACKING PROGRESS

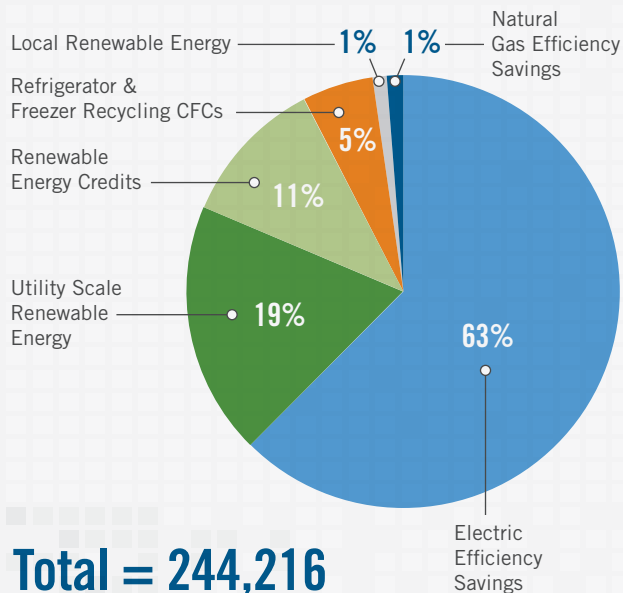
CUSTOMER ANNUAL EFFICIENCY SAVINGS

(% of community electricity use)



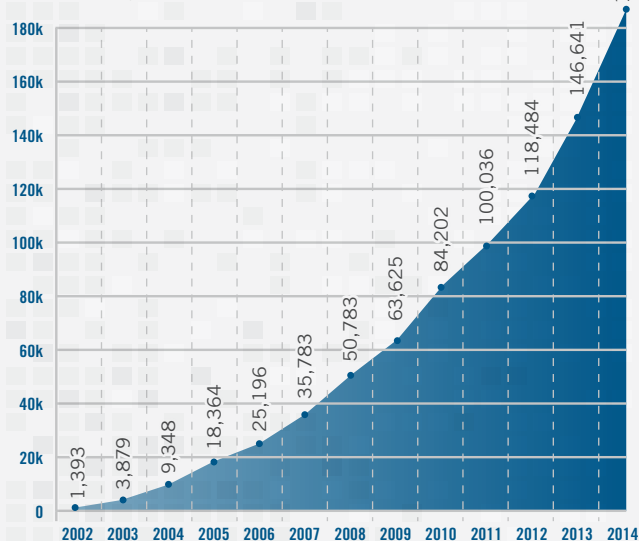
GREEN HOUSE GAS EMISSIONS REDUCTIONS

(metric tons)



COMMUNITY ELECTRIC SAVINGS

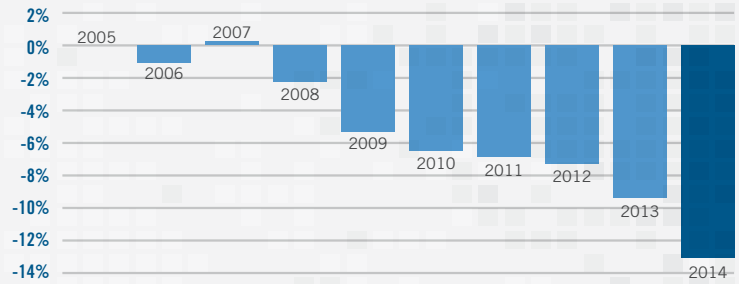
(2002-2014, MWh)



KW - Kilowatt MW - Megawatt KWh - Kilowatt hours MWh - Megawatt hours

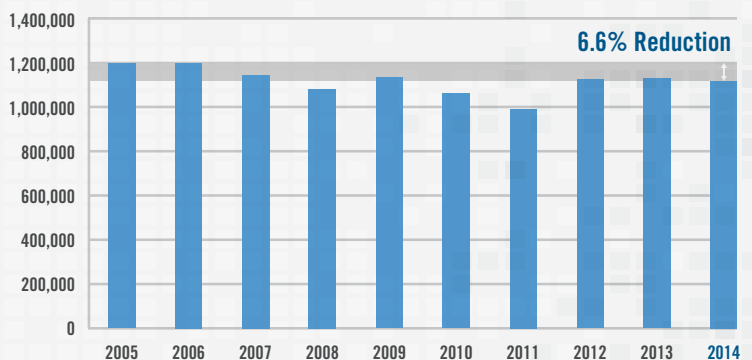
PER CAPITA ELECTRICITY USE

(% reduction from 2005)



ELECTRICITY CARBON EMISSIONS INVENTORY

(2005 - 2013)



PV-COMMUNITY CAPACITY

(DC Kilowatts)

