

**Q1
2011**

Sustainability Progress

The Q1 report is an executive summary of the City's sustainability activities from January – March 2011. The full report is available on the sustainability website: <http://citynet.fcgov.com/sustainability/qr.php>

PROJECTS	SOCIAL IMPACTS	ENVIRONMENTAL BENEFITS	MONTHLY SAVINGS
Civic Center Parking Lighting Retrofit	Health benefits - air quality improvements	190 tons CO2e reductions	\$1,558
215 System - 5 kWh Photovoltaic	Health benefits - air quality improvements	1.8 tons of CO2e reductions	\$700
Recreation eliminated paper schedules	Support of sustainability policies	7 tons of CO2e reductions	\$1,450
Evacuated tube solar thermal system installed at EPIC	Health benefits - air quality improvements	12,500 therms	\$708
Aztlan Northside - 53 kWh Photovoltaic System	Health benefits - air quality improvements	6.7 tons of CO2e reductions	\$2,827

2005-2011 INDICATORS OF MUNICIPAL OPERATIONS SUSTAINABILITY

Indicators are measures to track if performance is improving or declining in select areas. They also can inspire behavior changes and data driven decisions. Two indicators improved during the first quarter of 2011: All traffic lights have been replaced with LED lights and the number of LEED employees is now being tracked.

IMPROVING SUSTAINABILITY TRENDS

- Alternative fuel use
- Cost and use of natural gas
- Outdoor water use
- Well Day participation
- **% of LED traffic lights**
- Electricity use
- # of LEED buildings

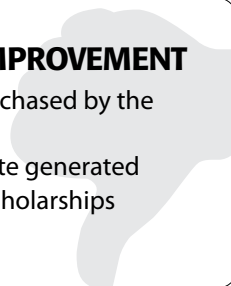


INSUFFICIENT TREND DATA

- Water use in buildings
- % of alternative fleet vehicles
- Comparisons to sister cities
- Average vehicle ridership
- Adherence to EPP policies
- Energy consumption related to water use

OPPORTUNITY FOR IMPROVEMENT

- % of renewable energy purchased by the City (.0001%)
- Volumes of office solid waste generated
- Number of sustainability scholarships awarded in 2009



NEUTRAL SUSTAINABILITY TRENDS

- Diversion rate for office solid waste
- 30 % forest canopy goal
- **# of LEED employees**

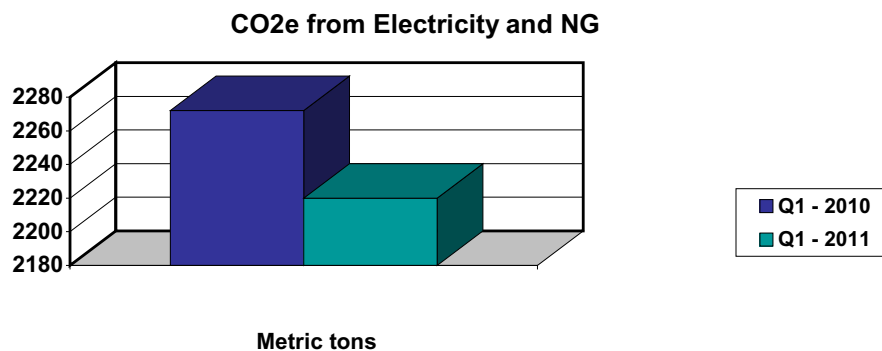


GOAL 1: REDUCE GHG EMISSIONS

Reduce greenhouse gas (GHG) emissions from municipal operations at least 2%, or approximately 950 metric tons GHG annually, in order to achieve a reduction of 20% below 2005 levels by 2020; ultimately achieve carbon neutrality for the municipal organization.

Progress: The City's overall GHG emissions from electricity and ng have dropped 1% in the first quarter.

- In order to be more efficient the Sustainability Team has restructured in 2011 to form several task forces in addition to the core team. The multi-departmental GHG Task Force is streamlining all the data collection and reporting for the Utilities Report (GRI), Climate Action Plan Community Updates and City Operations' GHG Annual Report. A greenhouse gas database was developed using EECBG funding for City greenhouse gas accounting. Staff will begin using it to archive GHG data.
- A shell study and retro-commissioning was performed at 215 N. Mason, City Hall and EPIC. High performance glazing was installed on the windows at City Hall. An air sealing project was performed at 215 N Mason and EPIC. The planning and project activities listed above center on producing measurable improvements in the energy use level. Below is a comparison of GHG emissions from electricity and natural gas (NG) use in the first quarter of 2010 compared to the first quarter of 2011.

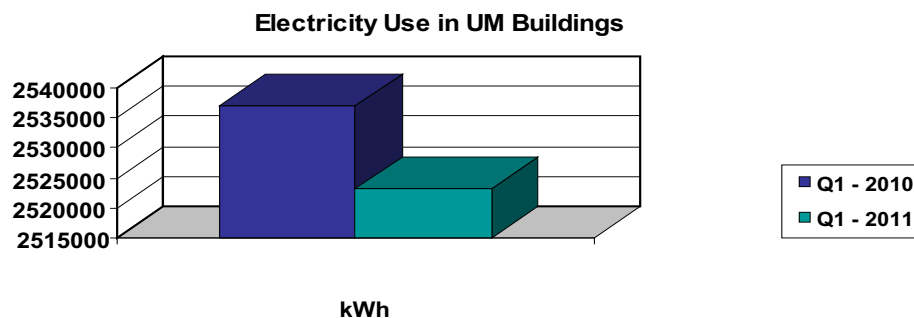


GOAL 2: ELECTRICITY & NATURAL GAS REDUCTION

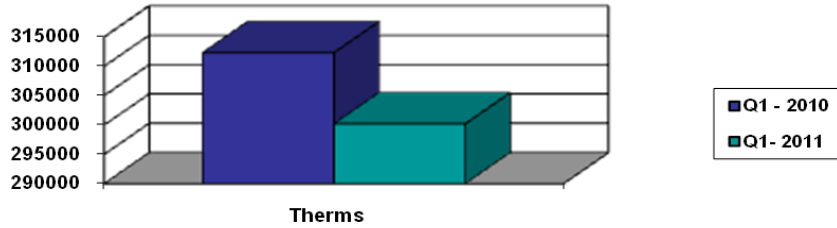
Reduce City energy consumption by 20% below the 2005 baseline by 2020 (2% annually), and reduce peak demand use 15% by 2020.

Progress: The City's first quarter progress is slightly below the goal.

- Electrical use at UM buildings and natural gas was reduced by 1%. Below is a comparison of Q1 2010 and Q1 2011 energy use:



NG Use in UM Buildings



ⁱ Based on Utility Management data for January and February only.

GOAL 3: FUEL REDUCTION

Reduce traditional fuel use by the City's vehicle fleet 20% by 2020 and reach a 1.5 average vehicle ridership by 2020 for City employees.

Progress: Fuel use has not been tracked on a quarterly basis, but end-of-year data shows that in 2010, switching to CNG and use of alternative fuels has lowered the City's GHG emissions by 918 tons. The City's Operations have consistently reached the fuel goal over the last several quarters. 2011 efforts will concentrate on average vehicle ridership goals.



GOAL 4: SOLID WASTE REDUCTION

Reduce solid waste generated by 50% of overall waste stream by 2012 and 80% by 2020.

Progress: The City has not met the goal for office building diversion. However, other efforts such as metal recycling have been successful from an economic and environmental perspective.

- The solid waste diversion rate for the City's building office operations is 23% for the first quarter of 2011.
- Preliminary calculations for two pilot composting projects show improved diversion and yielded a 14-ton reduction in CO₂e reductions. The Planning Department worked with the Natural Resources Department to repurpose equipment which was donated to Wildlands Restoration Volunteers.
- Parks issued bids for 90 recycling/trash containers for playgrounds, shelters and fields in the parks.

GOAL 5: EDUCATION & OUTREACH

Information about the municipal sustainability program will be available to all levels of the community, students in grades K-20 and university, the general public - as well as internal customers.

Progress: The City's educational programs continue to attract interested residents.

- The Educational Task Force is coordinating efforts of the Wellness Committee, Safety Committee, Sustainability Team and four Utilities for 21st Century Teams. The Wellness and Sustainability Team have coordinated Talent and Reward Training seminars (see attached listings) and the identification of sustainable activities that qualify for wellness points (i.e. gardening, CSA shares, etc).
- A survey of the Sustainability Team was conducted about strategic planning, role of the team and the internal and external web site content. The feedback was that the team should continue to meet and act as ambassadors to their respective departments. The priority for 2011 should be on general technical training of all employees and implementing select projects through task force groups.
- "Creating a Resilient Community" and "Home Angler" Seminars were hosted as part of the Residential Environmental series. Attendance for the events was 63 and 30 participants respectively.

GOAL 6: FUNDING

In addition to reporting on the annual GHG inventory, cost savings that directly result from energy and waste conservation will be tracked.

Progress: The Innovation Task Force selected projects for funding based on a triple bottom line analysis.

The Task Force has developed a plan to evaluate sustainable projects that will be financed through the “Keep Fort Collin’s Great” funding. The first round of projects centered on energy conservation projects. Initial projects will include lighting upgrades at Collindale and at Recreation Center parking lots.

GOAL 7: PARKS/NATURAL AREAS

Achieve a 30% forest canopy density in suitable areas of City Parks by 2020, and a specific percentage of native and non-native vegetative cover in Natural Areas restoration sites.

Progress: Restoration efforts are making steady progress.

- Natural Areas staff planted 39 acres in native seeds at Cathy Fromme Prairie, Springer and Kingfisher Point natural areas.



GOAL 8: WATER

Reduce municipal operations water irrigation use and increase efficiency per acre. Reduce building water use (normalized to account for weather conditions) by 20% by 2020.

Progress: No data to report

GOAL 9: GENERAL PURCHASING

Implement Environmentally Preferable Purchasing practices (EPP) throughout the City organization and establish means to verify departments’ compliance with purchasing policy.

Progress: The City’s progress is positive

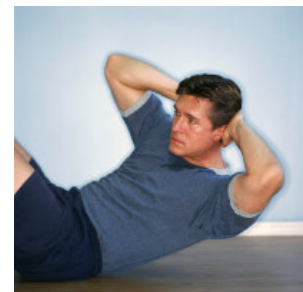
- The Purchasing Department is assessing the City’s compliance with the EPP practices through a new contract. The vendor will determine the need for additional communication/training.
 - Staff is continuing to work with various departments, (HR, Finance and Customer Service) that are not using the preferred recycling data for better data tracking.
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GOAL 10: EMPLOYEE SAFETY & HEALTH

Incorporate a City-wide program fostering a culture of health and safety. Increase the number of employees that participate in the Wellness Program from 45% to 75% by 2020 and increase the number of employees that earn their first Well Day from 414 to 500.

Progress: The City is making steady progress.

- 369 employees earned their third Wellness Day.



EXTERNAL PROJECTS

- NRD in conjunction with Climate Wise hosted two educational events: Triple Bottom Line training and Waste Assessment Auditing.
 - NRD hosted several education forums regarding carbon budgets and waste diversion.
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with questions or if more information is needed.

