

## RESOLUTION NO. 2047

### A RESOLUTION OF THE GOLDEN CITY COUNCIL ADOPTING PERFORMANCE INDICATORS FOR THE CITY'S SUSTAINABILITY GOALS

WHEREAS, the sustainability goals as outlined in Resolution No. 1793 have defined targets and timelines for completion; and

WHEREAS, the sustainability goals were further clarified for intent through Resolution No. 2016; and

WHEREAS, a consistent approach linking goals with measurements is necessary to track the city's progress toward the Golden Sustainability goals; and

WHEREAS, the Community Sustainability Advisory Board created a comprehensive set of performance indicators to accurately measure the city's progress.

THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GOLDEN, COLORADO:

For each of the sustainability goals listed below, the following performance indicators shall be used to measure compliance:

Section 1. Improve the energy efficiency and reduce the environmental impact of new and existing buildings in Golden.

*Intent: "Green building standards" refers to the following:*

- 1. International Building Codes, including the International Energy Conservation Code, as amended or enhanced; and*
- 2. Amendments to Section 18.40 of the Municipal Code which integrate sustainability best practices into existing zoning regulations; and*
- 3. Amendments to Chapter 17 of the Municipal Code, regarding subdivision design standards; and*
- 4. Specific standards for low-density residential uses, to be determined by 2010. The Boards will analyze standards such as Energy Star or the National Green Building Standard and propose a recommendation to City Council for adoption.*

1) Ensure that within ten years 90% of all new buildings constructed in Golden each year are built to green building standards.

**Performance Indicator: Percent of new buildings meeting the green building standard.**

2) Ensure that within ten years 50% of all remodels in Golden each year are built to green building standards.

**Performance Indicator: Percent of remodeling projects meeting the green building standard.**

3) Revise Golden's land use code to reflect the best practices in sustainability once every five years.

**Performance Indicator: Number of annual sustainability-related amendments to the Municipal Code.**

Section 2. Improve the economic health of our community by increasing business opportunities focused on energy efficiency and renewable energy and by reducing the energy costs of all Golden businesses. Specifically:

1) Encourage local businesses to improve their sustainability and profitability by developing their offerings of sustainable products and services and their use of sustainable products, services, and practices.

*Intent: This goal refers to businesses improving the sustainability of their offerings and their processes and practices (e.g., retail businesses increasing their offerings of sustainable products, manufacturing businesses improving the sustainability of their processes).*

**Performance Indicator: Number of outreach efforts to provide information, resources, and assistance to encourage sustainability.**

2) Create/Attract new jobs and businesses in the sustainability sectors.

*Intent: "Sustainability sectors" refers to any and all businesses that not only contribute to the sustainable growth of Golden as a small town community, but also promote awareness and contribute to sustainable goods and services, such as jobs in the renewable energy sector, environmental engineering, sustainability and environmental consulting, composting, organic gardening, goods made from recycled materials, outdoor education, eco building supplies manufacturing and sales, etc. City Council, staff, and Sustainability Advisory Board should interpret this goal to mean a 20% increase in the number of sustainability sector jobs in the greater Golden area, meaning the Golden city limits and the unincorporated Jefferson County commercial areas immediately adjacent to the city.*

**Performance Indicator: Percent of employment in sustainability sectors.**

Section 3. Increase our community's awareness of and encourage commitment to actively take part in sustainability as a public value that supports cultural, economic and environmental health for all citizens. Specifically:

1) Create effective, ongoing two-way communication that informs, educates and inspires community involvement in city-wide sustainability efforts; and

**Performance Indicator: Percent change in level of knowledge of community efforts and city actions taken through community surveys.**

2) Support the Community Working Groups in crafting community action plans that effectively foster sustainable behavior.

*Intent: This goal pertains to any projects and progress made by the City Council, the staff, and the Sustainability Advisory Board. This goal is really more of a strategy for achieving all of the other goals: effective communication and education will make it easier to accomplish all of the other goals.*

**Performance Indicator: Percent of Community Working Group recommendations that have been adopted.**

Section 4. Increase our community's energy efficiency and our use of renewable sources of energy. Specifically:

1) Reduce the City of Golden's energy usage by 25% and increase to 50% the proportion of its energy use derived from renewable energy sources within ten years (25 x 50 in 10).

*Intent: The energy usage portion of this goal requires a 25% reduction each of the following: municipal kilowatt-hour use, municipal therms use, and municipal vehicle fuel usage. For the energy production portion of this goal, increases in renewable energy production by Xcel Energy across their Colorado energy production system will count toward this goal.*

**Performance Indicators: For municipal energy consumption - Percent change in consumption of electricity (kilowatts), natural gas (therms), and gallons of fuel (gas & diesel) from the base level. For municipal use of renewables - Total percent of energy derived from renewables.**

2) Reduce overall community energy usage in Golden by 20% and increase to 20% the proportion of its energy use derived from renewable energy sources within ten years (20 x 20 in 10).

*Intent: The energy usage portion of this goal requires a 20% reduction in each of the following: citywide kilowatt-hour use, citywide therms use, and citywide vehicle fuel usage. For the energy production portion of this goal, increases in renewable energy production by Xcel Energy across their Colorado energy production system will count toward this goal.*

**Performance Indicators: For community energy consumption - Percent change in consumption of electricity (kilowatts), natural gas (therms), and fuel efficiency (average mpg for privately-owned vehicles) from the base level. For community use of renewables - Percent of energy derived from sum total of all private solar installations captured by the building permit system, other renewable energy projects and Xcel Energy Renewable Portfolio Standard achievements.**

Section 5. Reduce our solid waste stream contribution through the expanded use of recycling programs, waste diversion programs, and other tools. Specifically:

1) Reduce our solid waste stream contribution by 25% in ten years.

*Intent: "Reduce" means reducing the volume of waste sent to the landfill.*

**Performance Indicator: Percent change in volume (in tons) of garbage, recyclable, and green waste materials.**

Section 6. Increase the ability of Golden residents and visitors to travel to and through Golden using alternative transportation. Specifically:

- 1) Reduce the communities total Vehicle Miles Traveled by 15% in ten years.

*Intent: VMT refers to all miles traveled by cars, trucks, and other similar motorized vehicles. It includes all trips either originating or ending in Golden but excluding pass-through traffic that neither originates nor ends in Golden (e.g., include traffic related to non-Golden residents coming to Golden for tourist activities, exclude traffic related to travel from the Denver Metro area to the West Slope passing through but not stopping in Golden on I-70).*

**Performance Indicator: Change in modeled VMT.**

Section 7. Ensure that Golden sustains a clean, stable water supply into the future, specifically:

- 1) Reduce Golden's per capita water use by 15% in 5 years.

*Intent: This goal applies to treated water as consumed by all uses within city limits.*

**Performance Indicator: Percent change in gallons, annually, in total consumption.**

- 2) Maintain better than regulatory water quality from water treatment plant to end-user.

*Intent: Better than regulatory water quality means stricter than both state and federal standards.*

**Performance Indicator: Compliance with Clean Water Act (CWA) regulations, A Partnership Through Clean Water Agreement, daily water sampling procedures, and water monitoring station results, and the efforts toward emerging contaminant education.**

- 3) Increase the efficiency of the water delivery system.

*Intent: This goal includes water infrastructure (pipes, valves, pump stations) from reservoir to plant and to end-user.*

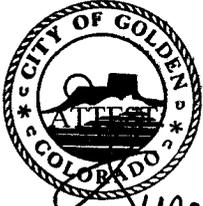
**Performance Indicator: Percent change in overall system efficiency.**

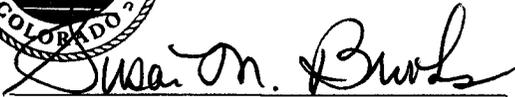
- 4) Improve the health of the ecosystem associated with the Golden waterways.

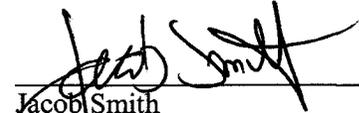
*Intent: "Health" will be defined by more than one specific metric to cumulatively measure ecosystem indicators.*

**Performance Indicator: Percent change in an overall metric to assess the following, but not limited to: the number of projects shown to promote the health of the Golden waterway ecosystem, number of stream or ditch restoration projects, channel maintenance programs, and erosion control plans for in-city locations and adjacent to city reservoirs.**

Adopted this 13th day of May, 2010.



  
Susan M. Brooks, MMC  
City Clerk

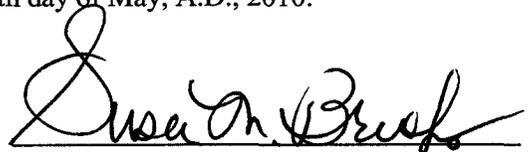
  
Jacob Smith  
Mayor

APPROVED AS TO FORM:

  
David S. Williamson  
City Attorney

I, Susan M. Brooks, City Clerk of the City of Golden, Colorado, do hereby certify that the foregoing is a true copy of a certain Resolution adopted by the City Council of the City of Golden, Colorado at a regular business meeting thereof held on the 13th day of May, A.D., 2010.



ATTEST:   
Susan M. Brooks, City Clerk of the City of  
Golden, Colorado