AGENDA
COMMUNITY SUSTAINABILITY ADVISORY BOARD
CITY OF GOLDEN, COLORADO

Regular Meeting
April 28, 2010
6:30 PM

City Hall Council Chambers Room
911 10th Street

1. Roll Call
2. Approval of the Agenda
3. Approval of the Minutes from April 12, 2010
4. Public Comment
5. Staff Update
6. Action Items
   A. Chair/Vice Chair elections
      6:45 – 7:00 pm
      Annually, the Board elects board members to serve as Chair and Vice Chair for the upcoming year. This item was rescheduled from the April 12th meeting to accommodate additional Board members to vote on the decision.
   B. Carbon Footprint Project
      7:00 – 7:45 pm
      The Board will meet with University of Colorado at Denver students working on a carbon footprint measurement and list of priority recommendations for the city.
   C. Sustainability Performance Indicators
      7:45 – 8:15 pm
      CSAB will finalize a recommendation to City Council to adopt a program for measurement of the Golden Sustainability Initiative goals.
7. New Business
   A. Agenda topics for next meeting
      8:15 – 8:20 pm
8. Board Updates
   8:20 – 8:30 pm
9. Adjourn

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CITY OF GOLDEN  
COMMUNITY SUSTAINABILITY ADVISORY BOARD  
MONDAY, APRIL 12, 2010  
6:30 P.M.  

DRAFT  

PRESENT:  
Chuck Baroch  
Susan Buhr  
Gunter Ritter  
Karen Smith  
Tom Atkins  

ABSENT:  
Hillary Mizia  
Scott Morrissey  
Theresa Worsham, Sustainability Coordinator  

STAFF:  
Denise Hish, Administrative Assistant  

CALL TO ORDER – BUSINESS MEETING:  
Susan Buhr called the meeting to order at 6:30.  

APPROVAL OF AGENDA:  
With no changes, the agenda was unanimously approved.  

APPROVAL OF MINUTES FROM MARCH 24, 2010:  
With a motion by Karen and second by Chuck, the minutes were unanimously approved.  

PUBLIC COMMENT:  
None  

STAFF UPDATE:  

• The Clear Creek Master Plan effort would like someone from CSAB to be on the Advisory Committee to represent sustainability interests; meeting approximately four times throughout the year. Susan offered her name as a possible candidate for the Board but may need to share the duty with others, due to work scheduling. Chuck also offered, but would like to see more information on dates before making a commitment. Theresa will convey the interest of CSAB to join the Advisory
Committee and will re-visit with this Board once a schedule of meeting dates are obtained.

- Vision2030 Community Summit has been rescheduled for Tuesday, May 11th.
- Community Garden group is hosting a showing of Food Inc. at 7:00pm on Sunday, April 25th at the American Mountaineering Center. They may be willing to open the showing of the greater Golden Community if the Board supports this as a sustainability education effort. It was agreed that CSAB would support the public showing and we could put information on our webpage and also make our logo available to attach to the information for a Transcript article. Susan also suggested sending information for this event to all of the working groups.
- Next month the IGERT students will do a presentation for carbon footprint and provide a list of priority projects. They will be doing a focus group on Tuesday, April 20th, 6pm in Council Chambers – Look for more details. Send information to the Working Groups.
- Theresa gave more information on the negotiations with EDS Waste Solutions. First reading by Council on April 22nd and public hearing for ordinance and contract is scheduled for May 13th.

ACTION ITEMS:

A. Main Street Energy Initiative

The Board held a joint meeting with the Golden Urban Renewal Authority (GURA) to discuss a grant opportunity for assisting Golden businesses with energy efficiency efforts.

B. Chair / Vice Chair Elections

Annually, the Board elects board members to serve as Chair and Vice Chair for the upcoming year. Karen stated that she would be interested in Chairing, but due to her travel schedule for work, she may need to make sure that Vice Chair has no problem running the meetings in her absence. Since there are only 4 members present at this meeting, it was agreed to table the election to next meeting.

C. Sustainability Awards Selection

The Board reviewed nominations for the 2010 Sustainability Awards and recommend winners for each category for City Council to present at its meeting on April 22, 2010 (Earth Day).

Student - Sand Shark, Robbie
Individual – Povy Kendal Atchison and Lloyd Athearn
Community Group – IES
After discussion, the Board would like to establish a set criteria for these awards for next year.

**D. Strategic Plan**

The Board will discuss next steps toward creating a strategic plan for the City’s sustainability goals. Theresa will have a draft at the next meeting.

**BOARD UPDATE:**

*Gunter* – Would like to see 2 things on upcoming agendas:
- National partnership with a similar board
- Traffic reduction on Washington Avenue (try it for 1 day a year; maybe at First Friday).

*Chuck*
Circulator Bus meeting – need to get report and how it is working.
CSM – Composting.

**ADJOURN:**
Adjourned CSAB into GURA meeting at 7:50

**NEXT MEETING:**
Wednesday, April 28, Council Chambers, at 6:30pm
Memorandum

To: Community Sustainability Advisory Board
From: Theresa Worsham, Sustainability Coordinator
Through: City Manager, Mike Bestor
Date: April 24, 2010
Re: Update on sustainability efforts

Administration

• The schedule for the upcoming meeting’s agenda has been changed to accommodate an agenda item to revisit the Board’s recommendations regarding performance indicators. Council remanded the issue back to the Board for additional consideration. The attached memo outlines Council’s specific requests for changes.

• At the last meeting, the Board voted to delay the elections for Chair and Vice Chair positions due to lack of attendance. Please refer to the previous meeting’s packet on the city website for details on members’ interest in positions.

Communication/Education

• Five of the six 2010 Sustainability Award recipients were present to receive their awards from Susan and Mayor Smith on City Council’s Earth Day meeting (April 22nd). The sixth recipient, Robbie, will be presented with his award by the Mayor before Council’s next meeting on May 6th.

• On Tuesday, April 20th, staff met with members of a visiting Japanese prefecture (state) officials group who toured the city to learn about the Golden Sustainability Initiative and our renewable energy efforts. A few interesting notes: one of the cities within their prefecture derives 70% of the community’s power from wind, government subsidies of renewable energy in Japan consist of capital for construction of projects, not rebates for consumption or pricing, and there is significant investment in biomass which uses forestry materials (wood pellet technology was invented there).

• On Thursday nights in May, a metro area cable access program, Metro Voices, will feature Golden’s Sustainability program and highlight our efforts with energy efficiency, renewable energy, and recycling. Film crews shot footage of the Community Center’s solar thermal and Dr. Courtad’s wind turbine this week.

Energy
• The RechargeColorado.com energy efficiency campaign was released on April 19th with more than 19,000 appliance rebate applications already reserved by Colorado residents.

Economic
• A follow up to the Main Street Energy Initiative grant opportunity will be scheduled for CSAB/GURA discussion at the May 10th meeting.

Waste
• The Pay-As-You-Throw waste program is scheduled for City Council’s May 13th meeting. The following materials will be available to the Board and the public through the City’s website during the following times:
  o Ordinance amending the Municipal Code to allow the City to contract with a waste hauler – available now
  o Contract with EDS Waste Solutions – available April 30th
  o Resolution for pricing for residents – available April 30th
• The City is now incorporating recycled asphalt shingles in a few city street reconstruction projects. Shingles are recovered from re-roofing projects in the metro area and added as a stabilizer to asphalt and not only diverts waste but also reduces the cost of purchasing virgin materials. Golden is one of the first few Colorado cities to use shingles in municipal projects and staff is working on publicizing the effort.

Water
• The Garden In A Box program has only the Edible Garden remaining before the City’s allotment of 100 gardens is sold out.

Green Building
• Staff spoke about Golden’s Sustainability Initiative at the closing plenary of the 2010 Rocky Mountain Green conference on April 22nd along with Denver Mayor Hickenlooper who recognized Golden and Mayor Smith for the City’s efforts. This annual conference is sponsored by the US Green Building Council which created the LEED green building standards. Additionally, Mayor Smith has recently signed on to support the USGBC’s Mayor’s Alliance for Green Schools program.

VMT
• No updates at this time.
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### Meeting Dates and Agenda Items

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<tr>
<td>4/12</td>
<td>voting for Chair/Vice Chair positions</td>
<td>sustainability awards selection for recommendation to CC</td>
<td>joint meeting with GURA board to review State grant opportunity for energy efficiency &amp; businesses</td>
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<td>voting for Chair/Vice Chair positions</td>
<td>IGERT (ph.D.) students presentation for carbon footprint and list of priority projects.</td>
<td>Re-review of performance indicators</td>
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<td>Strategic Plan</td>
<td>Education Strategy</td>
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- request from Dr. Greg Poulous, a Golden resident, to give the Board a presentation on large-scale wind projects in Golden.
Memorandum

To: Community Sustainability Advisory Board
From: Theresa Worsham, Sustainability Coordinator
Through: City Manager, Mike Bestor
Date: April 24, 2010
Re: CML grant – Carbon Footprint project

Purpose of Agenda Item: To review work to-date done by University of Colorado at Denver Ph.D. students on measuring the city’s carbon footprint and to provide feedback to students in finalizing their report.

Background: As part of the CML grant to Golden, students have been working over the Spring 2010 semester to calculate an overall carbon footprint using 2007 baseline data. In addition, the students are looking at nation-wide projects implemented by other cities that will make up a list of priority investments and policies that can be used by CSAB and City Council.

On Tuesday, April 20th, the students held a Focus Group at City Hall in which Golden citizens provided input on their values and willingness to support a variety of programs to reduce the city’s greenhouse gas emissions. One of the messages to participants was to make clear that while Golden’s sustainability goals do not directly related to a target goal for GHG emission reductions, the city’s carbon footprint analysis can help us compare Golden’s efforts to other nearby cities using comparable methodologies. The students documented comments from the six residents that will inform the final recommendations.

At the CSAB meeting, students will provide the Board with a preliminary assessment of the carbon footprint measurement and ask Board members to give feedback on potential policy and investment recommendations that will be included in the final report. The final results are scheduled to be presented to City Council at its study session on May 6th.
Memorandum

To: Community Sustainability Advisory Board
From: Theresa Worsham, Sustainability Coordinator
Through: City Manager, Mike Bestor
Date: April 24, 2010
Re: Performance Indicators

Purpose of Agenda Item: To make changes to Resolution No. 2047, which outlines the Board’s recommendation regarding the adoption of performance indicators to measure the city’s sustainability goals.

Background: At their April 15th meeting, Council voted to remand Resolution 2047 back to CSAB to make additional changes before final consideration. Overall, Council would like CSAB to recommend metrics, rather than tasks, to measure progress on the city’s goals. Council’s suggested changes include:

1. Resolution No. 2047 should incorporate the language citing the original sustainability goals since they are an important part of the overall explanation. In all other documentation, Council encourages the Board and staff to use a similar approach in tying all recommendations and reports (e.g. the 2009/2010 Sustainability Progress Report) to the specific language from the goals to keep the goals front and center to the public and maintain consistency between efforts. Staff will add this language to the Resolution.

2. In Section 1 regarding the green building goal, references to annual reporting indicates how the City will report on the metric, but reports are not the metrics themselves. Alternatively, Council would like to see performance (e.g. number of new buildings compliant with the City’s green building standard) track directly with the adopted goal (e.g. 90 percent of new buildings meet the standard). Additionally, the purpose or meaning for metric #4 (number of amendments to the Municipal Code) was unclear to Council.

3. In Section 2b, Council would like the Board to specifically include the interpretation of the economic health goals as further clarified through Resolution 2016. Through this Resolution, Council adopted the Board’s recommendation for a specific target (20%) for the increase in green jobs.
4. In Section 5, the metric should again track to the adopted goals, for which Council would prefer a percentage or proportion as opposed to a total volume.

5. In Section 6, Council prefers using a traffic count system that measures VMT at specific locations using a specific protocol every year. The number of annual traffic counts may not be useful by itself and so should be incorporated into an overall metric for VMT.

6. In Section 7, track the metric (amount of water used) to the adopted goal. Additionally, a better metric for (c) might be the actual reduction in water loss, if possible to measure it.

7. Given the history of adopting and then refining the Sustainability Goals, it is Council’s preference to incorporate the refinements into this Resolution as well, to eliminate the need to continually go back to previous documents. The amended Resolution 2047 should consolidate all goals, refinements, and metrics in one document.

**Recommendations:** The Board should discuss the items listed above at the meeting and staff will make the changes as requested and reschedule the Resolution for City Council consideration. To save time, staff will provide a draft with some of Council’s more minor requests to the Board prior to the meeting.

encl: original version of Resolution No. 2047
RESOLUTION NO. 2047

A RESOLUTION OF THE GOLDEN CITY COUNCIL
ADOPTING PERFORMANCE INDICATORS AND METRICS
FOR THE CITY’S SUSTAINABILITY GOALS

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

WHEREAS, a consistent and informed approach is necessary to measure the city’s progress toward the Golden Sustainability goals; and

WHEREAS, the Community Sustainability Advisory Board has created a comprehensive set of metrics 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, the following performance indicators or metrics shall be used to measure compliance:

1. Goal: Improve the energy efficiency and reduce the environmental impact of new and existing buildings in Golden.
   a. Annual report listing total number of new buildings triggering compliance with green standards.
   b. Annual report listing total number of remodels and those triggering compliance with green standards.
   c. For buildings exempt from the City’s building permit process (including public schools and university buildings), data collected from each entity will be used.
   d. Number of amendments to Title 18 of the Municipal Code pertaining to sustainability best practices, measured annually.

2. Goal: 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.
   a. Number of outreach efforts to provide information, resources, and assistance to encourage sustainability.
   b. Annual report listing change in employment in affected businesses.

3. Goal: 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.
   a. Number of responses from periodic citizen surveys that indicate a level of knowledge of community efforts.
   b. Number of Community Working Group recommendations that have been pursued or adopted.
4. Goal: Increase our community’s energy efficiency and our use of renewable sources of energy.
   a. For municipal energy consumption: Annual consumption of electricity (kilowatts), natural gas (therms), and gallons of fuel (gas & diesel). For municipal use of renewables: ratio of energy from renewables vs. from non-renewables.
   b. For community energy consumption: Annual consumption of electricity (kilowatts), natural gas (therms), and fuel efficiency (average mpg for privately-owned vehicles). For community use of renewables: energy derived from sum total of all private solar installations captured by the building permit system, other renewable energy projects and Xcel Energy RPS standard achievements.

5. Goal: Reduce our solid waste stream contribution through the expanded use of recycling programs, waste diversion programs and other tools.
   a. Volume (in tons) of garbage, recyclable, and green waste materials.

6. Goal: Increase the ability of Golden residents and visitors to travel to and through Golden using alternative transportation.
   a. Number of annual traffic counts used in combination with an analysis of annual DRCOG data for comparison.
   b. Number of annual trips for public transit, bicycle, and pedestrian users.

7. Goal: Ensure that Golden sustains a clean, stable water supply into the future.
   a. Number of gallons, annually, for residential uses.
   b. Compliance with Clean Water Act (CWA) regulations, A Partnership Through Clean Water Agreement, daily water sampling procedures, water monitoring station results, and amount of emerging contaminant education.
   c. Number of projects targeting reductions in water loss, dollars of investment in water infrastructure maintenance (including asset management and capital investment), and projects to reduce private side service line losses.
   d. 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 22nd day of April, 2010.

_______________________________________
J a c o b  S m i t h
M a y o r

ATTEST:

__________________________________
Approved as to form:

__________________________________
David S. Williamson
City Attorney