



Inventory and Metrics

We envision a vibrant and resilient Missoula community that has established the necessary metrics and carbon emissions inventory to track, report, and make progress toward Climate Smart Missoula goals.

Our community will create a framework for conducting a community wide carbon emissions inventory, establish the necessary infrastructure to complete successive inventory updates with replicable methodology, and work with each Climate Smart bucket to create appropriate metrics that will track the progress of mitigation and resiliency projects and initiatives.

Snapshot: Having a specific, accessible system to assess progress is critical to achieving the goals of the Missoula Community's Climate Smart Action Plan. The Inventory and Metrics bucket is the newest focal area, arising out of a desire for having a more concrete understanding of success in each of the buckets. We understand that some focal areas lend themselves much more to quantitative assessments, such as Transportation, whereas other focal areas are by nature more qualitative, such as Healthy, Thriving Community. This effort will overcome that divide by working closely with stakeholders to develop appropriate specific metrics for each bucket and their projects or efforts. By creating an open and inclusive conversation around what success means, this bucket will design, implement, measure, and report on metrics across all eleven buckets.

KEY STRATEGIES:

1. Conduct community carbon emissions inventory

Goal: Design and complete the first community-wide carbon emissions inventory for the City of Missoula and surrounding area, using ICLEI's ClearPath community greenhouse gas inventory calculator.

Activities:

- A. Capitalize on the City of Missoula's carbon emissions inventory experience and ClearPath membership to begin defining the boundaries and necessary inputs for a community-wide carbon emissions inventory.
- B. Collect necessary community data from local utility, fuel providers, transportation organizations, industries, and water and waste managers and conduct emissions inventory using ClearPath protocols and calculators.
- C. Compile community emissions inventory results and analysis into an accessible, readable format and distribute to the Missoula community electronically and in print.
- D. July 2016: Create replicable system for collecting, analyzing, and communicating inventory and institutionalize it into internal documents for future annual updates.
- E. August 2016: Establish target year for carbon neutrality and interim goals, as well as timeline for future inventory updates.

Metrics and Accountability:

- a. Boundary and inputs defined (fall 2015)
- b. Data collected (2015 – spring 2016)
- c. Report completed (summer 2016)
- d. Replicable system created, with instructions for continued use (2016)
- e. Carbon neutrality goals and timelines established and commitments made (2016).



Note: Climate Smart Missoula staff will spearhead this effort with the leadership of Chase Jones, Energy Conservation Coordinator at the City of Missoula and the AmeriCorps Energy Corps service member hosted by the City of Missoula.

2. Develop and track Bucket specific metrics

Goal: work with stakeholders and leaders of each bucket to design both an overarching metric and activity-specific metrics for each bucket, and implement and track appropriate metrics.

Activities:

- A. Engage with bucket stakeholders to determine most appropriate metric(s) for overall bucket success, progress, and health.
- B. Engage with bucket stakeholders to determine most appropriate metric(s) for specific bucket activities.
- C. Research other community metrics and how they have been implemented elsewhere.
- D. Combine bucket input with research to design clear, measurable metrics for both overall bucket and individual project success.
- E. Implement and actively track metrics on a quarterly basis.

Metrics and timetable:

- a. Meetings initiated (2015-16)
- b. Research completed (2015)
- c. Metrics developed (spring 2016)
- d. Implementation will begin in 2016 and is ongoing.

3. Create communication and education plan

Goal: Work with every bucket to design a comprehensive and multi-pronged education and communication plan that will actively report information about project and initiative progress to the Missoula community.

Activities:

- A. Compile quarterly measurements of each bucket into a year-long assessment.
- B. Perform analysis on year's metrics for each bucket.
- C. Engage with bucket stakeholders to determine the best medium to communicate the results from the year.
- D. Develop communication and education documents.
- E. Distribute results documents in the method deemed appropriate by the bucket stakeholders.

Metrics and timetable:

- a. Assessment and analysis completed fall 2016.
- b. Develop communications document (2107).

A CLIMATE SMART WAY FORWARD:

Assessing the timely progress of the myriad community sustainability actions is no small order and will remain a challenge. Climate Smart Missoula team created this Metrics and Inventory bucket to help the community measure success. This work is key to fine-tuning the approach of each of the buckets, maximizing the effectiveness of each and every project, and gaining community investment through



communication of and education around the results of each bucket. Climate Smart Missoula staff will lead this effort with active input from community stakeholders.

Potential Partners: City of Missoula, Missoula Community Foundation, Missoula County, University of Montana, NorthWestern Energy, various consulting groups, and more. Really, we'll need everyone!