

YELLOWSTONE BUSINESS PARTNERSHIP

Emissions Reduction Planning

**Greater Yellowstone Area
Clean Air Partnership
November 4th, 2009**

Heather Burdette, Sustainability Programs Manager
www.yellowstonebusiness.org



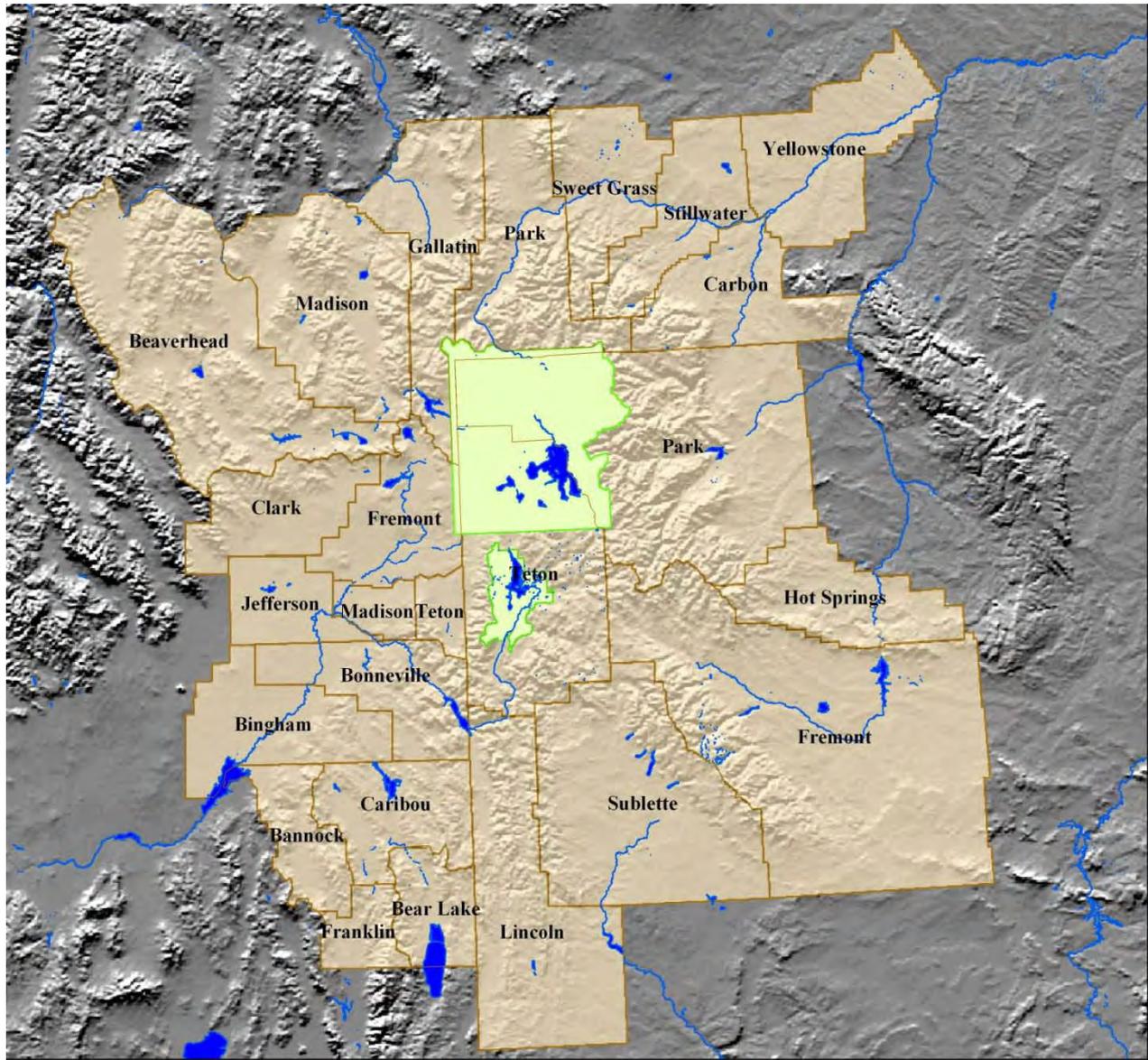
The Yellowstone-Teton Region: A Vast Geography with Few People

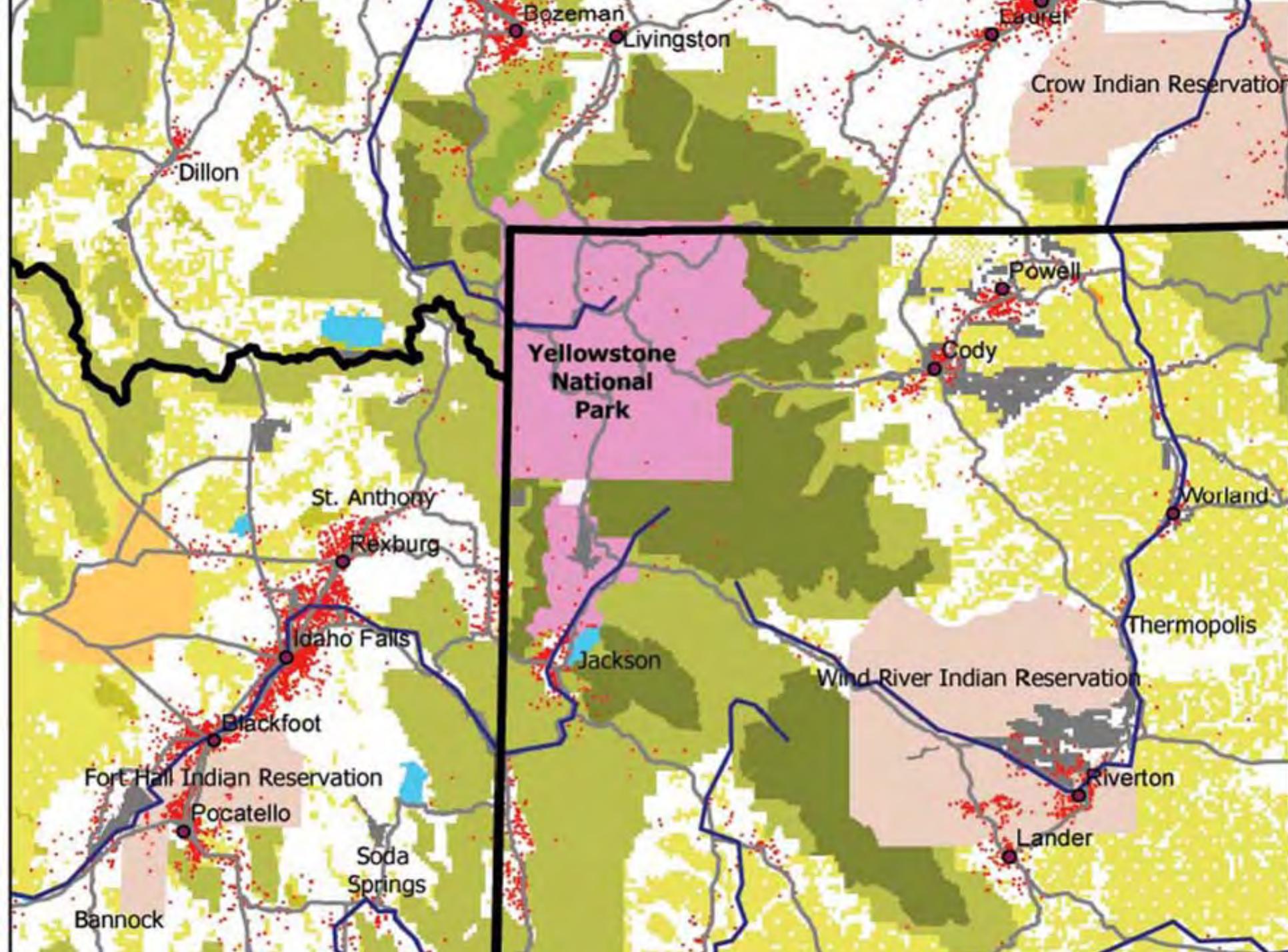


- Includes 25 counties in Idaho, Montana and Wyoming that surround and identify with Yellowstone and Grand Teton national parks – a total of 35-40 million acres
- Over 700,000 total population with only four counties in excess of 50,000 people (metro areas)

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The Yellowstone Business Partnership is the only tri-state organization working to resolve the major cross-boundary challenges facing communities in the Yellowstone-Teton region. We believe that to achieve long-term profitability in this special place, businesses must fulfill their social and environmental responsibilities, and care for the region as a whole.



Yellowstone Business Partnership

Why Was It Created?

- Businesses needed to be better informed and empowered in regional decision making
- Desired more collaborative, less adversarial approaches across our multiple jurisdictions

Preserve health of the regional environment
Promote sustainable, prosperous economies
Maintain the quality of life for our communities

YBP Emissions Reduction Planning

Promoting Green Building and Development

- *Greater Yellowstone Framework for Sustainable Development* – Ecosystem-based rating system specific to Yellowstone-Teton

Encouraging Responsible Business Practices

- *UnCommon Sense* – Two-year leadership training program

Enhancing Park Accessibility and Tri-State Connectivity

- *Regional Transportation Cooperative* – Link existing public and private providers

Greater Yellowstone Framework for Sustainable Development

- **2005:** Assessed regional attitudes on growth & change
- **2006-07:** Created regionally-relevant rating system for encouraging green building and sustainable land use
- **2007:** Unveiled Framework; secured \$195K to implement
- **2008:** Selected 11 pilots; published Reference Guide



The Nature Conservancy and YBP Surveyed 80 Leaders' Attitudes Towards Growth and Change

- Most view Yellowstone as the region's epicenter and value its beauty, recreation and resources
- Desire more regional and cooperative solutions
- Cross-boundary communication is essential
- Achieving sensible growth is greatest challenge
- Leaders from all sectors must help create future

Report online at www.yellowstonebusiness.org

April 2006: USGBC Letter Supports Creating a Regional Rating System

- Endorsed voluntary GY-Framework effort
- Issued press release
- Assigned LEED-ND manager Jennifer Henry as liaison



April 13, 2006

Janice M. Brown, Executive Director
Yellowstone Business Partnership
PO Box 7337
Bozeman, MT 59711

Dear Ms Brown:

The U.S. Green Building Council (USGBC) was pleased to hear that the Yellowstone Business Partnership and its cooperators will use the USGBC's Leadership in Energy and Environmental Design (LEED) green building rating system in its framework for integrating responsible building construction, land development and resource conservation across the Greater Yellowstone region. We whole-heartedly support your goal of preserving the biodiversity and open space of the region by encouraging more sustainable construction methods and neighborhood development.

We understand that--due to the varied and diverse interests of the stakeholders, breadth of the project scope and uniqueness of the region itself--your constituency has concluded that the region requires a green building assessment framework that includes, but goes beyond LEED. And that further, you wish to collaborate with the USGBC in the development of such a framework. We support your vision of a green building assessment framework for the Greater Yellowstone region and encourage you to engage local members of the USGBC--which include a number of professional firms, manufacturers, and building owners as well as the Idaho National Laboratory (INL).

We are pleased that your framework team is seeking to adopt the established LEED criteria for high-efficiency buildings, as well as elements of the in-progress LEED-ND standards for neighborhood development. We understand you would then integrate additional criteria specific to the Greater Yellowstone region such as:

- responsible land use
- community infrastructure
- biodiversity preservation
- recreation resources
- respect for social, cultural and Tribal values

The USGBC believes that such a free-market, non-regulatory approach could potentially fill a niche that local planning and zoning may not meet in this region and, thus, it should be received favorably in many cities and counties throughout the Greater Yellowstone. Additionally, by its design, this framework appears to have the flexibility to be applied on

THE UNITED STATES OF AMERICA
WASHINGTON, D.C. 20006
P: 202 638 2000
WWW.USGBC.ORG

GY-Framework Rating System

100 Points; 7 Prerequisites; 57 Credits

Project Planning and Investments – 6 pts

Land Use and Conservation – 13 pts

Biodiversity - 12 pts

Cultural and Historical Values - 9 pts

Recreation Resources- 10 pts

Built Environment – 15 pts

Public Service and Infrastructure 15 pts

Transportation and Connectivity – 10 pts

Community Vitality – 9 pts

Special Credit Opportunities – 12 pts (not incl.)

GY-Framework Registered Pilots

**Beartooth Nature Center
in Red Lodge, MT**

City of Pocatello, ID

Dornix Park in Big Timber, MT

Grand Targhee Resort in Alta WY

**Harriman State Park in Island
Park, ID**

**Lake and Tower Remodel
Projects in Yellowstone
National Park, WY**

Livingston High School, MT

**Mountain Legends Ranch in
Driggs, ID**

**Mountainside Village in Victor,
ID**

**Pine Glades Townhomes in
Jackson, WY**

**Red Lodge High School in
Red Lodge, MT**

**Story Mill Neighborhood in
Bozeman, MT**

**Teton Meadows Ranch in
Jackson, WY**



BE Credit 1: Optimize Energy Performance



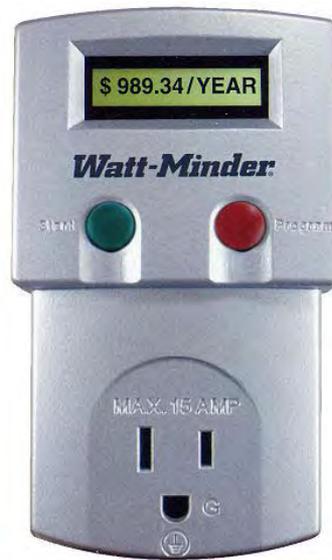
PSI Credit 1: Shared Services: Energy Efficiencies



PSI Credit 2: Renewable Energy: Expanded Use



PSI Credit 3: Carbon Emissions Reduction



PSI Credit 4: Electric Load/Demand Efficiency



TC Prerequisite: Transportation Plan



TC Credit 1: Alternative Transportation Amenities



TC Credit 2.1: Efficient Vehicles: Fleets



TC Credit 2.2: Efficient Vehicles: Alternative Fuels



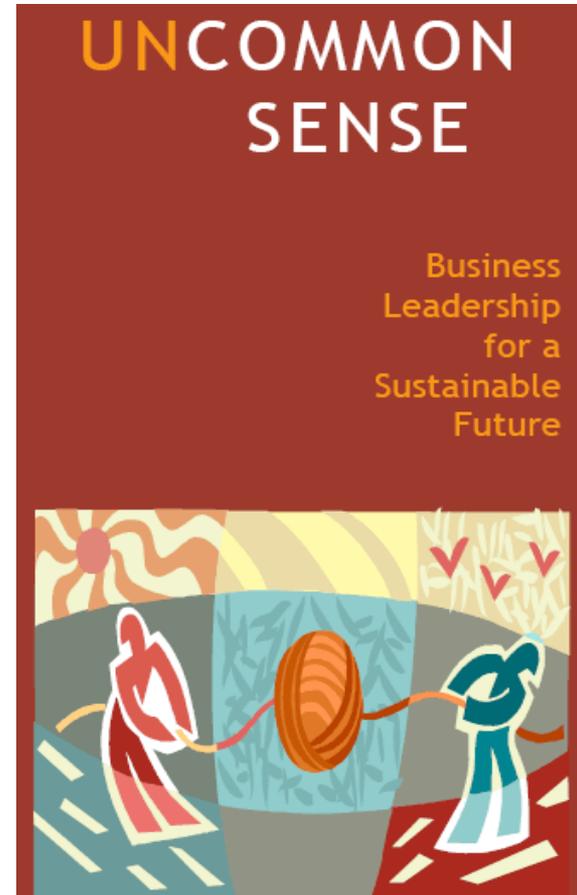
CV Credit 2: Mixed Use



CV Credit 3: Business/Employment Opportunities

UnCommon Sense: Business Leadership for a Sustainable Future

- **Leading the Way**
- **Waste Stream Management**
- **Responsible Purchasing**
- **Social and Community Investment**
- **Resource Management: Energy Efficiencies**
- **Resource Management: Water Efficiencies**
- **Transportation Efficiencies**
- **The Business Response to Climate Change**



Transportation Efficiencies Action Items

- **Transportation Tracking Spreadsheet**
- **Resource List of Local and/or Alternative Fuels and Alternative Transportation availability**
- **Calculate CAFÉ measure and set goals for reduction, including target date for implementation**
- **Alternative Transportation incentives policy**
- **Positive Action to influence policy makers in community**
- **Reduce vehicle miles traveled**

The Business Response to Climate Change Action Items

- **Company and Departmental goals—achievable and aspirational**
 - **Using the Four Pillars of Sustainability (data, people, operations, communications), create specific actions and implementation goals**
- **Data collection systems for Scope 1 and Scope 2 emissions (Scope 3 if relevant)**
 - **Greenhouse Gas inventory**

Graduation Requirements

- **Completion of a minimum number of required and additional points**
 - **Implementation, measurement and data tracking in all modules**
 - **Final presentation and written report**
 - **Sustainability Report**

Graduates

Janny B and the Sustainers

All West Realty
Bridge Creek Backcountry
Kitchen
Mackenzie River Pizza Co
Mountain Home Vacation
Rentals
Creative Energies
Refuge Sustainable
Building Center
On Site Management
Blanchford Landscape
Contractors

Sustainability Seekers

Bridger Bowl
Chico Hot Springs
Four Seasons Resort
Jackson Hole
Grand Targhee Resort
Madison Arm Resort
Montana Yellowstone
Expeditions
Moonlight Basin
Sun Ranch Group

Current Participants

Growlers

Billings School District

**Buffalo Bill Historical
Center**

CTA Architects

Greenspace Landscaping

**Harmony Design &
Engineering**

Intrinsik Architecture

Livingston School District

Plan One Architects

Silver Star

Communications

Yellowstone Association

Not So Big Class

City of Bozeman

Jackson Whole Grocer

NOLS

Sanderson Stewart

Vertical Media

Regional Transportation Co-op Feasibility Study

The Vision

To bring together all willing public and private operators who can link their transportation services into a comprehensive service network to meet the needs of Co-op riders and visitors to the region.

Goals of the Co-op

- **Improve marketing of existing services**
- **Close the gaps in existing coverage**
- **Provide a central trip planning and ticketing service**
- **Assist providers with obtaining additional funding**
- **Solve cross-boundary and agency issues to facilitate mobility & expand provider markets**
- **Provide operations management tools to help providers improve efficiency and reduce costs**

Primary Customers

- **9 Major Public Transportation Providers**
 - **6 Major Private Inter-City Transportation Providers**
- **8 Airlines Serving The 8 Largest Airports**
 - **17 Senior Centers w/ transportation capabilities**
 - **Numerous other small transportation providers**

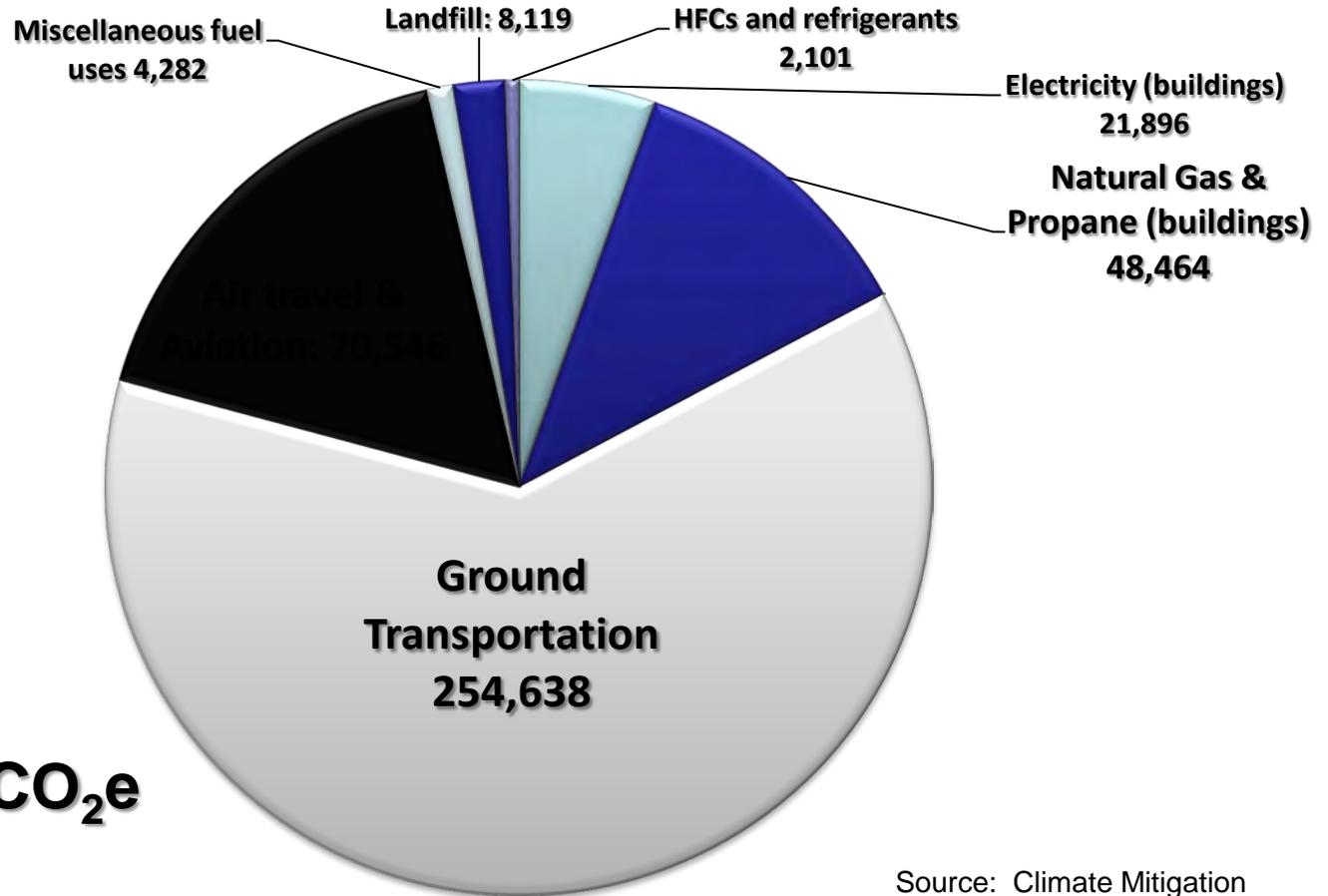
Current Ridership

- **Over 3 million rides/year by ground-based transportation providers**
 - **Within 2 years, MET and START should do 1-million rides/year each**

Need for Mobility Management

- **3 Ground based providers offer online ticketing**
- **Many services/routes are unpublished**
 - **One section of the region that is 3,516 sq miles w/ 25,000 people has intercity service that is completely unpublished.**
- **256 regional inter-city connections identified**
 - **87 have reasonable coverage**
 - **32 of them require a transfer between providers**

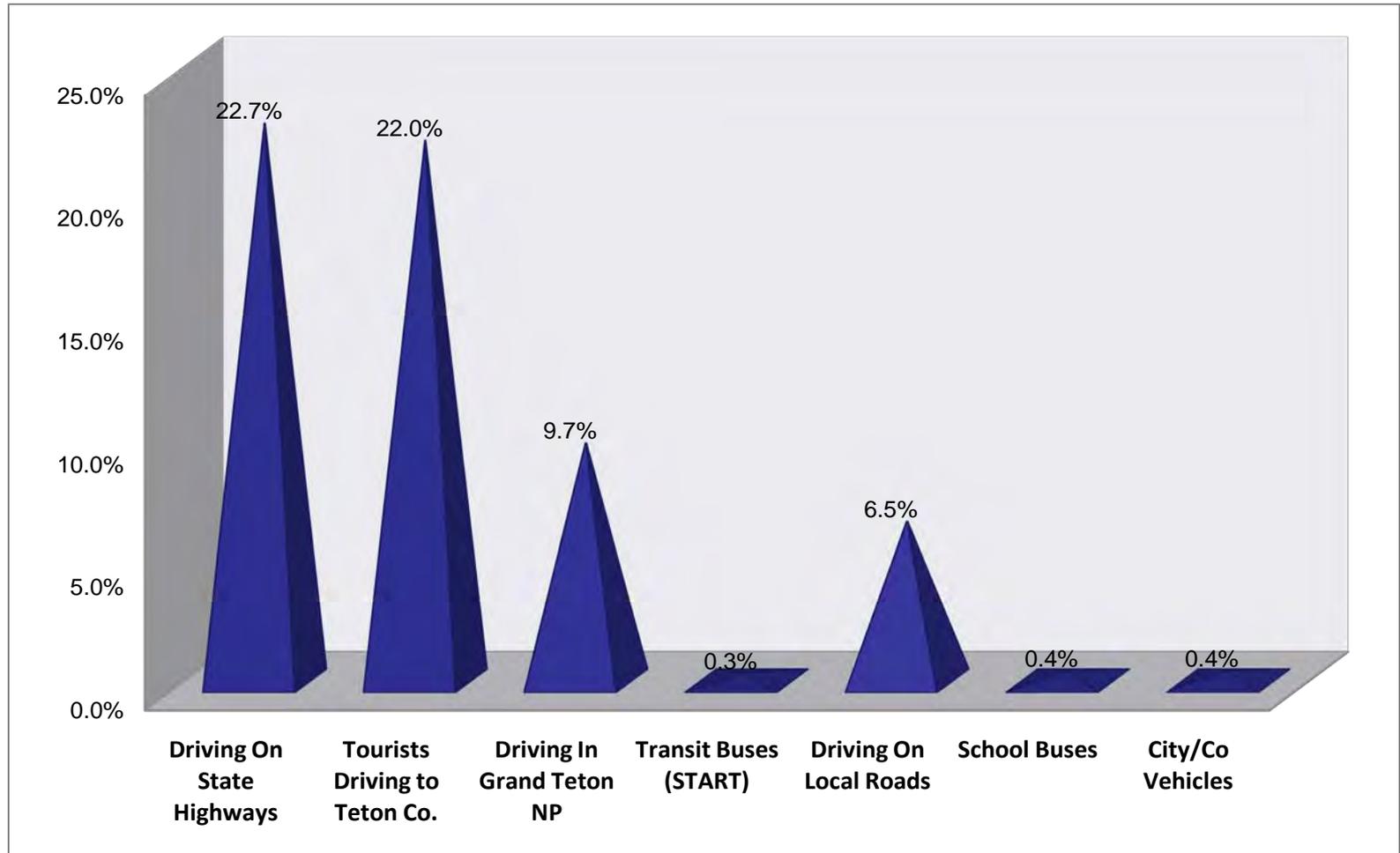
Jackson Hole's Major Emissions



**Tons of CO₂e
2008**

Source: Climate Mitigation
Services Report, Richard
Heede

Percentage of CO₂ by Mode



YELLOWSTONE BUSINESS PARTNERSHIP

For More Information on the

- **Greater Yellowstone Framework for Sustainable Development**
- ***UnCommon Sense: Business Leadership for a Sustainable Future***
- ***Regional Transportation Co-op***

www.yellowstonebusiness.org

hburdette@yellowstonebusiness.org

