FACILITIES WEBINAR FOR GYA
FEBRUARY 25\textsuperscript{TH}, 2010
INTRODUCTION

- GYA and NREL
- About NREL
  - The DOE’s national laboratory dedicated to energy efficiency and renewable energy technologies
- NREL presenter: Eliza Hotchkiss
Today’s Webinar

1. GYA results
2. Energy in buildings
3. Data collection
4. Preparing for the Working Sessions
Greenhouse Gases

Facilities can fall within all three scopes of emissions.
Ecosystem Emissions

- National Forests
- Grand Teton National Park
- Yellowstone National Park
- 2 National Refuges

Stationary Emissions Sources:
- Natural Gas
- Wood
- Propane
- Kerosene
- Diesel
- Bio-diesel
- Coal
GYCC has set targets

- 20% reduction by 2020
- What does that mean?
  - In other areas it might mean using bio-fuels, recycling, purchasing recycled or local materials, traveling less
  - In Facilities it means identifying where energy is being consumed and where it can be reduced
Energy Use in Buildings

- Electricity
  - Equipment
  - Lighting
  - Heating
  - Air conditioning
- Natural Gas
  - Heating
  - Specialized equipment

Source: Energy Information Administration, 2003 Commercial Building Energy Consumption Survey, Table E1A (September 2008).
What can we do?

- We need your help as ‘on the ground’ staff
- You know your buildings and you’re experts in how they operate
- We need current data on how the top highest consumers are operating
- We’ll help you identify opportunities for savings
What’s the plan?

1) Fill in data collection sheets for top 5 consuming buildings in each unit (due March 19th)
2) Fill in site assessment sheet for the highest consuming building (due April 12th)
3) Data from the data collection sheets and site assessment sheet will be used to help identify savings during the working session in April
4) During the working session we will all compile Energy Saving Measures which can be implemented at each unit
Data Collection Sheets

Person filling in the form

This information can be found on INFRA reports and by asking on-site staff

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<table>
<thead>
<tr>
<th>SITE INFORMATION</th>
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<tbody>
<tr>
<td>Name of Contact</td>
<td>Name of Unit</td>
</tr>
<tr>
<td>Position</td>
<td>Contact Email</td>
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<tr>
<td>Phone Number</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>BUILDING INFORMATION</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Site Name</td>
<td>Building Name</td>
</tr>
<tr>
<td>Address</td>
<td>Square Footage of Building (ft²)</td>
</tr>
<tr>
<td>Age of Building (years)</td>
<td>Date of Last Major Renovation</td>
</tr>
<tr>
<td>Purpose of Building</td>
<td>Hours of Use per Day (e.g. 9-5)</td>
</tr>
<tr>
<td>Months of Use per Year</td>
<td>Utility Company</td>
</tr>
</tbody>
</table>
Data Collection Sheets

One page for each building

This information can be found on TUMS reports and by asking on-site staff.
What’s next?

- After you’ve sent in the data for the top 5 buildings (by March 19th) we’ll compare the results.
- Before the next webinar you’ll be sent a more detailed data collection sheet for the highest consuming building.
  - The NEXT data collection sheet will need to be completed before the working session and is the basis for all of the facilities activities at the working session in Bozeman!
Roadblocks

- If you run into *any* issues please don’t hesitate to contact us
  - Eliza Hotchkiss
    eliza.hotchkiss@nrel.gov
    303-384-7309 (office)
  - Heather A Davis
    hadavis@fs.fed.us
    406-587-6729 (office)
Any questions?
Some Dates to Remember

• FACILITIES
  GYA Facilities Pre-Work Deadline
  • Please return the data collection sheets to Eliza Hotchkiss at NREL by the 19\textsuperscript{th} of March via email (eliza.hotchkiss@nrel.gov).
  GYA Facilities Webinar - Eliza Hotchkiss, NREL:
  • March 25\textsuperscript{th}, 10–11 AM (Data preparation, calculations and Q&A)

• OTHER EMISSIONS SCOPES
  GYA Scope 3 Emissions Webinar - John Nangle, NREL:
  • March 19\textsuperscript{th}, 10-11 AM (Data preparation, calculations and Q&A)
  GYA Fleet Webinar - Kristin Day, NREL:
  • March 30, 2-3 PM (Workshop preparation and new technology)

• Greater Yellowstone Interagency Climate Action Plan Working Session:
  • April 19\textsuperscript{th}-22\textsuperscript{nd}, Bozeman, MT
Questions and Follow-Up

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