

Member Progress Update

BETTER BUILDINGS ALLIANCE

Please complete the following information and return to your Better Buildings Alliance Account Manager:

Organization Company Name:	
Organization Company Contact Name:	
E-mail Address:	
Energy Savings Goal(s):	
Baseline Year:	
Year of Data Reported in this Form:	

	Baseline Year	Current Year	Previous Year
Square Footage of United States Building Portfolio Committed to Energy Savings Goal:			

Source Energy Consumed

(See instructions tab for guidance)

	Baseline Year	Current Year	Previous Year
Electricity (kBtu)			
Natural gas (kBtu)			
Other (please specify type and units)			
Total Source Energy Consumed, (kBtu):	0	0	0
Total Energy Usage Intensity (kBtu/sq ft)			

Improvement in EUI since Previous Year:	
Improvement in EUI since Baseline Year :	

Please describe (1) any methods undertaken to normalize energy use data and (2) any adjustments to baseline energy use:

Please describe any Better Buildings Alliance project team activities or resources adopted by your organization that improved energy performance in your building portfolio. If possible, provide: systems and buildings impacted, approximate energy savings (in \$ or Btu), type of fuel, geographic location, and additional descriptive details about the projects:

Please describe other innovative and impactful technologies and practices implemented by your organization to reduce energy use that you would like to share with DOE and other Alliance members:

Thank you for sharing your energy efficiency progress with the Better Buildings Alliance!

Reporting Form Field:

- Company Name:**
- Company Contact Name:**
- E-mail Address:**
- Energy Savings Goal:**
- Base Year:**
- Year of Data Reported:**

Square footage of building portfolio committed to energy savings goal:

Instructions:

- Provide the name of the organization that has committed to the voluntary partnership
- Provide the name of the person with the organization who is responsible and knowledgeable of this information.
- Provide the email address for the organizational contact.
- Please list your energy reduction goal for your portfolio. For example, Better Buildings recommends a goal of 2% reduction per year for 10 years from a specific baseline year. If you do not have reduction goals in this format, please list any energy goal that applies to your U.S. Portfolio.
- Identify the base year for your pledge agreement, in YYYY format.
- Identify the current reporting year, in YYYY format.

Provide the square footage of the building portfolio committed to the energy savings goal that your organization has set. This will be used to determine the EUI calculation. In most cases, this should incorporate all buildings in your portfolio. Some exceptions may apply. For instance, building management companies that do not have permission from clients to include client buildings in the total energy reduction goal may not be able to count those buildings. Contact your Account Manager or write to BBA@ee.doe.gov if you have additional questions.

Source Energy Consumed:

Site energy is the amount of heat and electricity consumed by a building as reflected in utility bills. Source energy on the other hand is the raw fuel that is burned to create the heat and electricity, which is then used by a specific site. The factors used to restate site energy in terms of the total equivalent source energy units are called the source-site ratios. To calculate your source energy use, simply multiply your site energy use (in Btu) by the source-site ratio. For electricity generated on site (for example, with a CHP system), the recommended method for tracking is to report only the BTU content of the input fuel and not the resulting electricity.

	Site	Source-Site Ratio
Natural Gas	100 kBtu per therm	1.05
Electricity (purchased from grid)	3.412 kBtu per kWh	3.14
Electricity (on-site solar or wind)	3.412 kBtu/kWh	1
Fuel Oil, Diesel	138.6905 kBtu per gallon	1.01
Propane	91.6476 kBtu per gallon	1.01
Steam	1194 kBtu per kLbs	1.2
Hot water	100 kBtu per therm	1.2
Chilled water	12 kBtu per Ton Hour	1
Wood	15380 kBtu per ton	1
Coal/Coke	12.465 kBtu per pound	1

Total Source Energy Consumed (kBtu):

This represents the total primary energy consumed; this number is calculated by the spreadsheet (to calculate please sum all energy sources: electricity, natural gas, other).

Total Energy Usage Intensity kBtu):

This represents the total energy intensity; this number is calculated by the spreadsheet (to calculate this number please divide the total source energy consumed by the total square footage committed to the energy savings goal).

Improvement in EUI since Previous Year(%):

This number is calculated by the spreadsheet, reflecting the change in energy intensity experienced in current year.

Improvement in EUI since Baseline Year (%):

This number is calculated by the spreadsheet, reflecting the change in energy intensity since the baseline year.

Please describe (1) any methods undertaken to normalize energy use data and (2) any adjustments to baseline energy use.

Please describe any methods undertaken to normalize or adjust your energy use data for the reporting period." Subsequently, the instructions would read: "Briefly describe any adjustments or normalization that occurred for the current and baseline reporting periods (i.e., weather normalization or changes in occupancy). If there were significant changes to the size of the building portfolio, please explain those changes. For additional information, contact bba@doe.gov.

Please describe the energy efficient technologies, strategies, and practices employed during the previous year to decrease intensity. Please identify systems impacted and approximate savings from project team activities: (Ex: used lighting specifications to upgrade 5 parking lots for savings of 10,000 MMBtu and \$5,000 per year; used implementation model for savings of 10,000 MMBtu)

Briefly describe, in general, the range of technologies, strategies and practices employed during the current year that resulted in a reduction in energy-intensity. Be sure to identify activities conducted in cooperation with program project teams. Identify systems and if possible, buildings that were impacted. Optional details: approximate energy savings (in \$ or Btu), type of fuel, geographic location, and additional descriptive details about the projects.

Please complete the following information and return to your Better Buildings Alliance Account Manager:

Organization Company Name:	XYZ company
Organization Company Contact Name:	Jane Smith
E-mail Address:	jsmith@xyz.com
Energy Saving Goal:	To reduce energy consumption by 20% by 2020
Baseline Year:	2010
Year of Data Reported in this Form:	2013

	Baseline Year	Current Year	Previous Year
Square footage of United States building portfolio committed to energy savings goal:	1,236,050	1,318,410	1,297,225

Source Energy Consumed
(See instructions tab for guidance)

	Baseline Year	Current Year	Previous Year
Electricity (kBtu)	157,910,819	154,464,883	155,326,946
Natural gas (kBtu)	45,006,250	44,798,400	45,865,186
Other - Fuel Oil #2 (kBtu)	18,335,879	11,552,716	13,733,764
Total Source Energy Consumed, (kBtu):	221,252,948	210,815,999	214,925,896
Total Energy Usage Intensity (kBtu/sq ft)	179	160	166

Improvement in EUI since Previous Year:	3%
Improvement in EUI since Baseline Year :	11%

Please describe (1) any methods undertaken to normalize energy use data and (2) any adjustments to baseline energy use:
Our data has been normalized for occupancy and weather through ENERGY STAR Portfolio Manager.

Please describe any Better Buildings Alliance project team activities or resources adopted by your organization that improved energy performance in your building portfolio. If possible, provide: systems and buildings impacted, approximate energy savings (in \$ or Btu), type of fuel, geographic location, and additional descriptive details about the projects:

We participated on the lighting and electrical project team calls and used lighting specifications to upgrade 5 parking lots for savings of 1,000 MMBtu and \$5,000 per year; used implementation model for savings of 72,000 MMBtu; participated on the Market Solutions team to identify green lease clauses that we are adding to new leases

Please describe other innovative and impactful technologies and practices implemented by your organization to reduce energy use that you would like to share with DOE and other Alliance members:

We are currently evaluating the opportunity to use solar panels at one of our properties to generate energy for use within the building. We expect the project to produce 20% of the building's energy use.