

The 50001 Ready Energy Performance Improvement Report is provided to report energy data for recognition through the U.S. Department of Energy's 50001 Ready Program. This report has three sections: 1) project information, 2) energy consumption, and 3) energy performance improvement. Sites seeking first time 50001 Ready recognition only need to complete sections 1 and 2. Sites seeking subsequent recognition must complete all 3 sections. **Information is entered on the Report tab.** Please see the 50001 Ready Navigator or contact the 50001 Ready Help Desk for additional guidance.

Reporting Form Field	Instructions
1) Project Information	
50001 Ready Project Name:	Provide the name of the project as it appears in the 50001 Ready Navigator.
Project Zip Code:	Provide the zip code of the site included in the 50001 Ready Navigator project.
Company Contact Name:	Provide the name of the person with the organization who is responsible and knowledgeable of this information.
Company Contact Title:	Title of the person within the organization who is responsible and knowledgeable of this information.
Date Report Completed:	Date that the form was filled out in MM/DD/YYYY format.
Number of Buildings at Site:	Number of buildings at the site (50001 Ready Navigator project). A building is a structure totally enclosed by walls extending from the foundation to the roof, containing over 1,000 square feet of floorspace. (source CBECs terminology)
Total Square Footage of Buildings at Site:	Provide the total square footage for the buildings included in the, "Number of Buildings at Site," value.
2) Energy Consumption	
Current Reporting Period:	Identify the reporting period beginning and ending dates in the MM/DD/YYYY format. This is required for all 50001 Ready recognition requests. Note: For the first time 50001 Ready recognition requests, the Current Reporting Period is a consecutive 12-month time span that can be established with a starting date up to 25 months prior to the 50001 Ready recognition request date. This allowance is provided to accommodate sites that report energy consumption data to other programs. Sites are highly encouraged to establish the Current Reporting Period so that it ends as close to the 50001 Ready recognition request date as possible. Note: For subsequent 50001 Ready requests, the Current Reporting Period is the 12-month period that follows immediately after the Prior Reporting Period. If there is a significant gap between 50001 Ready Recognitions (e.g. a year or more) contact the 50001 Ready Help Desk for guidance on establishing a new Reporting Period.
Site Energy Consumed (MMBtu):	Provide the site energy (also known as delivered energy) consumed, by fuel type for the baseline and reporting periods. Exclude energy used as a feedstock. The "Energy Conversion" tab provides multiplier values and a built in calculator to convert typical energy units to MMBtu. This is required for all 50001 Ready recognition requests.
Primary Energy Consumed (MMBtu):	Primary energy is the site energy consumed plus the energy required to produce and deliver the energy products to the company's sites. DOE requires that energy data be reported in terms of primary energy for electricity and imported derived energy sources. For electricity, the program uses a multiplier of 3.0 for conversion from site to primary energy consumption. Primary Energy Consumed values are automatically calculated by the spreadsheet.
Total Site Energy Consumed (MMBtu):	This number is calculated by the spreadsheet.
Total Primary Energy Consumed (MMBtu):	This number is calculated by the spreadsheet.
3) Energy Performance Improvement	
Prior Reporting Period:	Identify the prior reporting period beginning and ending dates in the MM/DD/YYYY format. Note: This is not required for first time 50001 Ready recognition requests. Note: For subsequent 50001 Ready recognition requests, The Prior Reporting Period is the same 12-month period as the Current Reporting Period for the previous 50001 Ready recognition.
Method Used to Determine Energy Performance Improvement:	Identify the method used to determine energy performance improvement. See the 50001 Ready Navigator for additional details on the approved methods. This is not required for first time 50001 Ready recognition requests.
Energy Performance Improvement Value:	Provide the energy performance improvement value as a percentage of current reporting period energy consumption. While it is preferred to have this value reported in terms of primary energy consumption if an energy performance improvement value is only available in terms of site energy please use that. This is not required for first time 50001 Ready recognition requests.
Optional Energy Intensity Calculator	If the Energy Intensity method is used to report energy performance improvement in terms of an Energy Use Intensity (EUI), the Optional Energy Intensity Calculator may be used if desired. In addition to Current Reporting Period energy consumption, please enter Prior Reporting Period energy consumption for each energy source into the Optional Energy Intensity Calculator. Enter units of output (e.g. number of widgets produced) or total building floor area (ft ²) for the Current and Prior Reporting Periods to auto-calculate an energy performance improvement value in the section to the right titled Units of Output or Total Building Area. Please enter a numeric value only. If calculating EUI based on total building area, then the total building floor area entered into cell E13 can be re-entered into cell I87 for the Output or Total Building Floor Area, and the input for cell I90 will be the total building area for the prior year.

This data is being collected to facilitate delivery of technical assistance and other program services. The data you supply will be used to evaluate the effectiveness of investments in energy management systems and to improve the usefulness of Federal technical assistance and recognition programs.

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Enterprise Policy Development & Implementation Office, IM-22, Paperwork Reduction Project OMB control number 1910-5177, U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC, 20585-1290; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project OMB control number 1910-5177, Washington, DC 20503.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB control number.

Submission of this data is voluntary.

v18.EP.02.24

Learn more at navigator.lbl.gov
and energy.gov/50001Ready

U.S. DEPARTMENT OF
ENERGY

1) Project Information

(Required for all 50001 Ready recognition requests)

50001 Ready Project Name: _____
 Project Zip Code: _____
 Company Contact Name: _____
 Company Contact Title: _____
 Date Report Completed: _____

Number of Buildings at Site: _____
 Total Square Footage of Buildings at Site: _____

2) Energy Consumption

(Required for all 50001 Ready recognition requests)

12 Month Current Reporting Period:

Begin	End
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 (in mm/dd/yyyy format)

Note: For the first time 50001 Ready recognition requests, the Current Reporting Period is a consecutive 12-month time span that can be established with a starting date up to 25 months prior to the 50001 Ready recognition request date. This allowance is provided to accommodate sites that report energy consumption data to other programs. Sites are highly encouraged to establish the Current Reporting Period so that it ends as close to the 50001 Ready recognition request date as possible.

Note: For subsequent 50001 Ready requests, the Current Reporting Period is the 12-month period that follows immediately after the Prior Reporting Period. If there is a significant gap between 50001 Ready Recognitions (e.g. a year or more) contact the 50001 Ready Help Desk for guidance on establishing a new Reporting Period.

	Reporting Period	
	Site Energy	Primary Energy
Energy Consumed (MMBtu):		
Grid Purchased Electricity:		-
Onsite Renewable Electricity:		-
Natural Gas:		-
Propane:		-
Diesel, Kerosene, or other Light Fuel Oil (#1, 2, & 4):		-
Residual or Heavy Fuel Oil (# 5, 6, Navy Special & Bunker C):		-
Coal:		-
Coke:		-
Blast Furnace Gas:		-
Wood Waste:		-
Wood:		-
Purchased/District Steam (originating from a fueled boiler):		-
Purchased/District Steam (originating from an electric boiler):		-
Purchased/District Hot Water (originating from a fueled hot water heater):		-
Purchased/District Hot Water (originating from an electric hot water heater):		-
Purchased/District Chilled Water (originating from a steam driven water chiller):		-
Purchased/District Chilled Water (originating from an electric water chiller):		-
Other Gas (please specify):		-
Other Liquid (please specify):		-
Other Solid (please specify):		-
Total Site Energy Consumed, (MMBtu):		-

Note: Enter site energy consumption data in the white boxes to the left. Your primary energy data will be automatically calculated by the spreadsheet.

Note: Enter unadjusted (absolute) energy consumption values.

**For common energy source conversions, see the Energy Conversions tab of this reporting document.*

3) Energy Performance Improvement

(Required only for subsequent year 50001 Ready recognition requests)

12 Month Prior Reporting Period:

Begin	End
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 (in mm/dd/yyyy format)

Note: This is not required for first time 50001 Ready recognition requests.

Note: For subsequent 50001 Ready recognition requests, the Prior Reporting Period is the same 12-month period as the Current Reporting Period for the previous 50001 Ready recognition.

Method Used to Determine Energy Performance Improvement (select one):

Energy Intensity: _____
 EnPI Lite Output File: _____
 Better Plants Annual Report: _____
 Better Buildings Challenge Annual Report: _____
 50001 Ready Energy Report for Portfolio Manager: _____
 DOE 50001 Ready Partner with approved M&V Process (Partner name): _____

The Optional Energy Intensity Calculator is also available for your use. Based on primary energy.

Energy Performance Improvement Value: _____ Insert the year-on-year percentage improvement value calculated using the selected method.

Note: Please report energy improvement value based on primary energy if available, otherwise please use a value based on site energy.

Optional Energy Intensity Calculator

	Reporting Period	
	Site Energy	Primary Energy
Site Energy Consumed (MMBtu):		
Grid Purchased Electricity:		-
Onsite Renewable Electricity:		-
Natural Gas:		-
Propane:		-
Diesel, Kerosene, or other Light Fuel Oil (#1, 2, & 4):		-
Residual or Heavy Fuel Oil (# 5, 6, Navy Special & Bunker C):		-
Coal:		-
Coke:		-

Units of Output or Total Building Area

Blast Furnace Gas:		-	Output or total building area for Current Reporting Period	
Wood Waste:		-	Output or total building area for Prior Reporting Period	
Wood:		-	Energy intensity improvement value	#DIV/0!
Purchased/District Steam (originating from a fueled boiler):		-		
Purchased/District Steam (originating from an electric boiler):		-		
Purchased/District Hot Water (originating from a fueled hot water heater):		-		
Purchased/District Hot Water (originating from an electric hot water heater):		-		
Purchased/District Chilled Water (originating from a steam driven water chiller):		-		
Purchased/District Chilled Water (originating from an electric water chiller):		-		
Other Gas (please specify):		-		
Other Liquid (please specify):		-		
Other Solid (please specify):		-		
Total Site Energy Consumed, (MMBtu):		-		

OBM DISCLOSURE STATEMENT

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Conversions of common energy units to MMBtu

	Original Unit	Enter Energy Value	Multiply by	Resulting Energy MMBtu
Electricity	kWh	<input type="text"/>	0.003412	0 MMBtu
	MWh	<input type="text"/>	3.412	0 MMBtu
Natural Gas	therm	<input type="text"/>	0.1	0 MMBtu
	decatherm	<input type="text"/>	1.000	0 MMBtu
	Cf (1 cf)	<input type="text"/>	0.001	0 MMBtu
	Ccf (100 cu ft)	<input type="text"/>	0.103	0 MMBtu
	Mcf (1000 cu ft)	<input type="text"/>	1.027	0 MMBtu
Gasoline	gallons	<input type="text"/>	0.114	0 MMBtu
Diesel	gallons	<input type="text"/>	0.137	0 MMBtu
Coal	short ton	<input type="text"/>	19.27	0 MMBtu
Coke	short ton	<input type="text"/>	25.370	0 MMBtu
Blast Furnace Gas	Ccf (10 cu ft)	<input type="text"/>	0.0093	0 MMBtu
kBtu to MMBtu	kBtu	<input type="text"/>	0.0010	0 MMBtu

Reporting metric used in Energy Star Portfolio Manager

OMB DISCLOSURE STATEMENT

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