



District Reporting Template Data Field List 2010 & 2011

Building owners and managers will submit benchmark results to DDOE via the “District Reporting Template,” which will be an online tool accessible from our website, <http://ddoe.dc.gov>, and from *within* ENERGY STAR Portfolio Manager. The template interacts directly with your portfolio manager account and transmits selected data to DDOE’s master account.

DDOE is not making the actual reporting template publically available until the rulemaking for Energy Benchmarking of Private Buildings is finalized. Furthermore, because of its nature as an online form, it is not possible to show a ‘draft’ version of the template. However, DDOE wishes to provide stakeholders with a chance to review the data the form will access. The following is a list of all the ENERGY STAR Portfolio Manager Fields the District Reporting Template for 2010 and 2011 will and will not access. Most of the field names are internal to Portfolio Manager and thus may not be recognizable. Not all the fields will be applicable to all buildings; for fields not applicable you will see an N/A in the final report submitted to DDOE.



DDOE has provided this document to further emphasize that, as stated in the proposed rulemaking, DDOE will never be able to access financial data or confidential information on improvements made to the building.

Included:

The following data fields will be accessible through the District Reporting Template:

Building Information

Facility Name (Required)
Address 1
Address 2
Year Built
Administrator
Building ID (Required)
Facility Owner
Building Profile Status
Facility Type
City
State
Zip Code
Power Plant
Last Modified Date
Service and Product Provider
Shared By
Unique Building Identifier

Notes

Metering Configuration

Total Floor Space (Sq. Ft.)

Electric Distribution Utility

Emissions Factor (kg CO₂e/MBtu)

Data Center Metrics

Baseline Data Center Source PUE

Baseline PUE-PDU Input

Baseline PUE-UPS Output

Baseline Site IT Equipment Input Energy (kWh)

Baseline Site PDU Input Energy (kWh)

Baseline Site PDU Output Energy (kWh)

Baseline Site UPS Output Energy (kWh)

Baseline Source IT Energy (kBtu)

Current Data Center Source PUE

Current PUE-PDU Input

Current PUE-UPS Output

Current Site IT Equipment Input Energy (kWh)

Current Site PDU Input Energy (kWh)

Current Site PDU Output Energy (kWh)

Current Site UPS Output Energy (kWh)

Current Source IT Energy (kBtu)

National Average PUE

Comparisons to Energy and Water Baselines

Change from Baseline: Adjusted Energy Use (%)

Change from Baseline: Adjusted Energy Use (kBtu)

Change from Baseline: Adjusted Energy Use Intensity (kBtu/Sq. Ft.)

Change from Baseline: Energy Use Intensity (kBtu/Sq. Ft.)

Change from Baseline: Energy Use (kBtu)

Change from Baseline: Indoor Water Use (%)

Change from Baseline: Indoor Water Use (kGal)

Change from Baseline: Indoor Water Use Intensity (kGal/sqft)

Change from Baseline: Other Water Use (%)

Change from Baseline: Other Water Use (kGal)

Change from Baseline: Outdoor Water Use (%)

Change from Baseline: Outdoor Water Use (kGal)

Change from Baseline: Total Water Use (%)

Change from Baseline: Total Water Use (kGal)

GHG Emissions

Baseline Direct GHG Emissions (MtCO₂e)

Baseline Indirect GHG Emissions (MtCO₂e)

Baseline Total GHG Emissions (MtCO₂e)

Change from Baseline: GHG Emissions (MtCO₂e)

Current Direct GHG Emissions (MtCO₂e)

Current Indirect GHG Emissions (MtCO₂e)

Current Total GHG Emissions (MtCO₂e)

Period Ending Dates

Baseline Energy Period Ending Date
Current Energy Period Ending Date
Baseline Water Period Ending Date
Current Water Period Ending Date

Rating

Baseline Rating (1-100)
Current Rating (1-100)

Renewable Energy

Baseline Total On-Site Renewable Electric Use (kWh)
Current Total On-Site Renewable Electric Use (kWh)
Percent of Electricity from On-Site Renewable (%)
Total Avoided GHG Emissions from Green Power (MtCO₂e)
Total On-Site Electric Generation (kWh)
Total Green Power Purchased (MWh)
Total Renewable Energy Sold to Grid (kWh)

Site Energy

Baseline Site Energy Intensity (kBtu/Sq. Ft.)
Baseline Total Site Energy Use (kBtu)
Current Site Energy Intensity (kBtu/Sq. Ft.)
Current Total Site Energy Use (kBtu)
National Median Site EUI (kBtu/Sq. Ft.)
Target Site Energy Intensity (kBtu/Sq. Ft.)
Weather Normalized Site EUI (kBtu/Sq. Ft.)
% Difference from National Median Site Energy per Square Foot (%)

Site Energy - Temporary Data Flags

Temporary Data Flag - Electricity (Grid Purchase)
Temporary Data Flag - Electricity (On-Site Solar)
Temporary Data Flag - Electricity (On-Site Wind)
Temporary Data Flag - Natural Gas
Temporary Data Flag - Fuel Oil (No. 2)
Temporary Data Flag - District Steam
Temporary Data Flag - Wood
Temporary Data Flag - Propane
Temporary Data Flag - Liquid Propane
Temporary Data Flag - Other
Temporary Data Flag - Kerosene
Temporary Data Flag - Fuel Oil (No. 1)
Temporary Data Flag - Fuel Oil (No. 5 and No. 6)
Temporary Data Flag - Diesel
Temporary Data Flag - Coal (anthracite)
Temporary Data Flag - Coal (bituminous)

Temporary Data Flag - Coke
Temporary Data Flag - Fuel Oil (No. 4)
Temporary Data Flag - District Hot Water
Temporary Data Flag - District Chilled Water

Site Energy - Fuel Totals

Baseline Site Electric Use (kWh)
Baseline Site Natural Gas Use (therms)
Electricity Use (kWh)
Natural Gas Use (therms)
Electricity Use (kBtu)
Natural Gas Use (kBtu)
District Steam Use (kBtu)
Fuel Oil #1 Use (kBtu)
Fuel Oil #2 Use (kBtu)
Fuel Oil #56 Use (kBtu)
Fuel Oil #4 Use (kBtu)
Wood Use (kBtu)
Propane Use (kBtu)
Liquid Propane Use (kBtu)
Other Use (kBtu)
Kerosene Use (kBtu)
Diesel #2 Use (kBtu)
Coal - Anthracite Use (kBtu)
Coal - Bituminous Use (kBtu)
Coke Use (kBtu)
Chilled Water - Electric Driven Use (kBtu)
Chilled Water - Absorption Use (kBtu)
Chilled Water - Engine Driven Use (kBtu)
Chilled Water - Other (kBtu)
District Hot Water (kBtu)

Source Energy

% Difference from National Median Source Energy per Square Foot (%)
Baseline Source Energy Intensity (kBtu/Sq. Ft.)
Baseline Weather Normalized Source Energy Intensity (kBtu/Sq. Ft.)
Current Source Energy Intensity (kBtu/Sq. Ft.)
Current Weather Normalized Source Energy Intensity (kBtu/Sq. Ft.)
National Median Source EUI (kBtu/Sq. Ft.)
Baseline Total Source Energy Use (kBtu)
Current Total Source Energy Use (kBtu)

Space Attributes (Time Weighted) - Bank/Financial Institution

Bank/Financial Institution- Gross Floor Area (Sq. Ft.)
Bank/Financial Institution- Number of PCs
Bank/Financial Institution- Office Air-Conditioned
Bank/Financial Institution- Office Heated
Bank/Financial Institution- PC Density

Bank/Financial Institution- Weekly operating hours
Bank/Financial Institution- Workers Density
Bank/Financial Institution- Workers on Main Shift

Space Attributes (Time Weighted) - Courthouse

Courthouse- Gross Floor Area (Sq. Ft.)
Courthouse- Number of PCs
Courthouse- Office Air-Conditioned
Courthouse- Office Heated
Courthouse- PC Density
Courthouse- Weekly operating hours
Courthouse- Workers Density
Courthouse- Workers on Main Shift

Space Attributes (Time Weighted) - Data Center

Data Center- Annual IT Energy
Data Center- Cooling Equipment Redundancy
Data Center- Gross Floor Area (Sq. Ft.)
Data Center- IT Energy Configuration
Data Center- UPS System Redundancy
Data Center- PDU Input Energy (kWh)
Data Center- UPS Output Energy (kWh)

Space Attributes (Time Weighted) - Hospital (General Medical and Surgical)

Hospital- Gross Floor Area (Sq. Ft.)
Hospital- Laboratory? (Y=1, N=0)
Hospital- Laundry Facility? (Y=1, N=0)
Hospital- Maximum Number of Floors
Hospital- Number of Buildings
Hospital- Ownership Status
Hospital- Tertiary Care? (Y=1, N=0)
Full-time Equivalent (FTE) Workers
Number of Staffed Beds
Number of MRI Machines

Space Attributes (Time Weighted) - Hotel

Hotel- Average Occupancy (%)
Hotel- CommRefrig Density
Hotel- Floor area of full-service spas
Hotel- Floor area of gym/fitness center
Hotel- Gross Floor Area (Sq. Ft.)
Hotel- Hours per day guests on-site
Hotel- Number of Commercial Refrigeration/Freezer Units
Hotel- Number of Rooms
Hotel- Number of guest meals served per year
Hotel- Onsite Laundry (short tons/year)
Hotel- Percent Cooled
Hotel- Percent Heated

Hotel- Presence of cooking facilities? (Y=1, N=0)
Hotel- Quantity of laundry processed on-site annually
Hotel- Room Density
Hotel- Workers Density
Hotel- Workers on Main Shift

Space Attributes (Time Weighted) - House of Worship

House of Worship- CommRefrig Density
House of Worship- Gross Floor Area (Sq. Ft.)
House of Worship- Number of Commercial Refrigeration/Freezer Units
House of Worship- Number of PCs
House of Worship- PC Density
House of Worship- Presence of cooking facilities? (Y=1, N=0)
House of Worship- Weekly operating hours

Space Attributes (Time Weighted) - K-12 School

K-12 School- Gross Floor Area (Sq. Ft.)
K-12 School- High School? (Y=1, N=0)
K-12 School- Number of PCs
K-12 School- Number of walk-in refrigeration/freezer units
K-12 School- Open Weekends? (Y=1, N=0)
K-12 School- PC Density
K-12 School- Percent Cooled
K-12 School- Percent Heated
K-12 School- Presence of cooking facilities? (Y=1, N=0)
K-12 School- School District
K-12 School- Walk-in refrig density

Space Attributes (Time Weighted) - Medical Office

Medical Office- Gross Floor Area (Sq. Ft.)
Medical Office- Number of Workers
Medical Office- Percent Cooled
Medical Office- Percent Heated
Medical Office- Weekly operating hours

Space Attributes (Time Weighted) - Multifamily Housing

Multifamily Home- Dishwasher hookups in all buildings
Multifamily Home- Gross Floor Area (Sq. Ft.)
Multifamily Home- Laundry in common area
Multifamily Home- Laundry in each unit
Multifamily Home- Number of Floors
Multifamily Home- Number of units
Multifamily Home- Percent Cooled
Multifamily Home- Percent Heated
Multifamily Home- Percent of gross floor area that is common space only
Multifamily Home- Total Number of Bedrooms
Multifamily Home- Primary Hot Water Fuel Type (for units)
Multifamily Home- Resident Population Type

Multifamily Home- Government Subsidized Housing? (Y=1, N=0)

Space Attributes (Time Weighted) - Municipal Wastewater Treatment Plant

Wastewater- Average Effluent BOD5 Concentration (mg/l)
Wastewater- Average Influent BOD5 Concentration (mg/l)
Wastewater- Average Influent Flow (MGD)
Wastewater- Trickle Filtration Process? (Y=1, N=0)
Wastewater- Nutrient Removal? (Y=1, N=0)
Wastewater- Plant Design Flow Rate (MGD)

Space Attributes (Time Weighted) - Office

Office- Gross Floor Area (Sq. Ft.)
Office- Number of PCs
Office- Office- Air-Conditioned
Office- Office- Heated
Office- PC Density
Office- Weekly operating hours
Office- Workers Density
Office- Workers on Main Shift

Space Attributes (Time Weighted) - Other

Other- Gross Floor Area (Sq. Ft.)
Other- Number of PCs
Other- Weekly operating hours
Other- Workers on Main Shift
Other Space Type Name

Space Attributes (Time Weighted) - Parking

Parking- Enclosed Floor Area (Sq. Ft.)
Parking- Gross Floor Area (Sq. Ft.)
Parking- Non-Enclosed Floor Area (w/roof) (Sq. Ft.)
Parking- Open Floor Area (w/o roof) (Sq. Ft.)
Parking- Weekly Hours of Access

Space Attributes (Time Weighted) - Residence Hall/Dormitory

Residence Halls/Dormitories- Percent Cooled
Residence Halls/Dormitories- Percent Heated
Residence Halls/Dormitories- Dorm Computer Lab? (Y=1, N=0)
Residence Halls/Dormitories- Dorm Dining Hall? (Y=1, N=0)
Residence Halls/Dormitories- Gross Floor Area (Sq. Ft.)
Residence Halls/Dormitories- Number of Rooms

Space Attributes (Time Weighted) - Retail

Retail- Cash Register Density
Retail- Exterior Entrance to the Public? (Y=1, N=0)
Retail- Gross Floor Area (Sq. Ft.)
Retail- Number of Cash Registers
Retail- Number of PCs

Retail- Number of open or closed refrigeration/freezer cases
Retail- Number of walk-in refrigeration/freezer units
Retail- Open/closed refrig density
Retail- PC Density
Retail- Percent Cooled
Retail- Percent Heated
Retail- Walk-in refrig density
Retail- Weekly operating hours
Retail- Workers Density
Retail- Workers on Main Shift

Space Attributes (Time Weighted) - Supermarket/Grocery

Supermarkets/Grocery- Gross Floor Area (Sq. Ft.)
Supermarkets/Grocery- Number of open or closed refrigeration/freezer cases
Supermarkets/Grocery- Number of registers and/or personal computers
Supermarkets/Grocery- Number of walk-in refrigeration/freezer units
Supermarkets/Grocery- Percent Cooled
Supermarkets/Grocery- Percent Heated
Supermarkets/Grocery- Presence of cooking facilities? (Y=1, N=0)
Supermarkets/Grocery- Walk-in refrig density
Supermarkets/Grocery- Weekly operating hours
Supermarkets/Grocery- Workers Density
Supermarkets/Grocery- Workers on Main Shift

Space Attributes (Time Weighted) - Swimming Pool

Swimming Pool- Indoor Outdoor
Swimming Pool- Months in Use
Swimming Pool- Size

Space Attributes (Time Weighted) - Warehouse (Refrigerated)

Warehouse (Refrigerated)- Gross Floor Area (Sq. Ft.)
Warehouse (Refrigerated)- Weekly operating hours
Warehouse (Refrigerated)- Workers Density
Warehouse (Refrigerated)- Workers on Main Shift

Space Attributes (Time Weighted) - Warehouse (Unrefrigerated)

Warehouse (Unrefrigerated)- Distribution Center? (Y=1, N=0)
Warehouse (Unrefrigerated)- Gross Floor Area (Sq. Ft.)
Warehouse (Unrefrigerated)- Number of walk-in refrigeration/freezer units
Warehouse (Unrefrigerated)- Percent Cooled
Warehouse (Unrefrigerated)- Percent Heated
Warehouse (Unrefrigerated)- Walk-in refrig density
Warehouse (Unrefrigerated)- Weekly operating hours
Warehouse (Unrefrigerated)- Workers Density
Warehouse (Unrefrigerated)- Workers on Main Shift

Space Attributes (Time Weighted) - Water Treatment and Distribution Utility

Water Treatment- Total Average Flow (MGD)

Space Attributes (Time Weighted) - Senior Care Facility

Senior Care Facility Gross Floor Area
Senior Care Facility Total Number of Units
Senior Care Facility Average Number of Residents
Senior Care Facility Total Resident Capacity
Senior Care Facility Workers on Main Shift
Senior Care Facility Number of PCs
Senior Care Facility Number of Commercial Refrigeration/Freezer Units
Senior Care Facility Number of Commercial Washing Machines
Senior Care Facility Number of Residential Washing Machines
Senior Care Facility Number of Residential Electronic Lift Systems
Senior Care Facility Percent Cooled
Senior Care Facility Percent Heated

Water

Indoor Water Use (kGal)
Indoor Water Use per Sq. Ft. (Gal/Sq. Ft.)
Other Water Use (kGal)
Outdoor Water Use (kGal)
Total Indoor and Outdoor Water Use (kGal)
Wastewater/Sewer Use (kGal)
Water Use Alerts

Water Utilities and Wastewater Treatment Facilities

% Difference from National Median Source Energy per Flow (%)
Average Flow (MGD)
Baseline Site Energy per Flow (kBtu/gpd)
Baseline Source Energy per Flow (kBtu/gpd)
Baseline Weather Normalized Source Energy per Flow (kBtu/gpd)
Current Site Energy per Flow (kBtu/gpd)
Current Source Energy per Flow (kBtu/gpd)
Current Weather Normalized Site Energy per Flow (kBtu/gpd)
Current Weather Normalized Source Energy per Flow (kBtu/gpd)
Effluent BOD5 (mg/l)
Influent BOD5 (mg/l)
National Median Site EUI (kBtu/gpd)
National Median Source EUI (kBtu/gpd)
% Difference from National Median Site Energy per Flow (%)

Excluded:

The following data fields will **NOT** be accessed by the District Reporting Template:

Building Information

Country Name

County
eGrid Region
Agency
Department/Region
Federal Campus
Federal Real Property ID
Federal Sustainability Checklist Completion Percentage

ENERGY STAR Application Information

Eligibility for ENERGY STAR
ENERGY STAR Application Status
Energy Use Alerts
Full Year
Space Use Alerts
Year(s) Labeled
Approval Date - Last ENERGY STAR

Financial Indicators

Annual Energy Cost (US Dollars (\$))
Cumulative Investment in Facility Upgrades (US Dollars (\$))
Cumulative Investment per Sq. Ft. (US Dollars (\$))
Total Energy Cost per Sq. Ft. (US Dollars (\$))

Financial Indicators - Annual Fuel Costs

Annual Energy Cost - Electricity (Grid Purchase) (US Dollars (\$))
Annual Energy Cost - Electricity (On-Site Solar) (US Dollars (\$))
Annual Energy Cost - Electricity (On-Site Wind) (US Dollars (\$))
Annual Energy Cost - Natural Gas (US Dollars (\$))
Annual Energy Cost - Fuel Oil (No. 2) (US Dollars (\$))
Annual Energy Cost - District Steam (US Dollars (\$))
Annual Energy Cost - Wood (US Dollars (\$))
Annual Energy Cost - Propane (US Dollars (\$))
Annual Energy Cost - Liquid Propane (US Dollars (\$))
Annual Energy Cost - Other (US Dollars (\$))
Annual Energy Cost - Kerosene (US Dollars (\$))
Annual Energy Cost - Fuel Oil (No. 1) (US Dollars (\$))
Annual Energy Cost - Fuel Oil (No. 5 and No. 6) (US Dollars (\$))
Annual Energy Cost - Diesel (US Dollars (\$))
Annual Energy Cost - Coal (anthracite) (US Dollars (\$))
Annual Energy Cost - Coal (bituminous) (US Dollars (\$))
Annual Energy Cost - Coke (US Dollars (\$))
Annual Energy Cost - Fuel Oil (No. 4) (US Dollars (\$))
Annual Energy Cost - District Hot Water (US Dollars (\$))
Annual Energy Cost - District Chilled Water (US Dollars (\$))

Rating

Target Rating (1-100)

Renewable Energy

Total Revenue From Energy Sold to the Grid (US Dollars (\$))

Water

Indoor Water Cost (US Dollars (\$))

Other Water Cost (US Dollars (\$))

Outdoor Water Cost (US Dollars (\$))

Total Indoor and Outdoor Water Cost (US Dollars (\$))

Wastewater/Sewer Cost (US Dollars (\$))

DRAFT