

*Environmental  
Justice Webinar  
Series for Houses  
of Worship &  
Faith-Based  
Organizations*

[ENERGY STAR Portfolio Manager](#)

**Documenting the Energy and  
Money Saved by Your House of  
Worship**

**August 16, 2022, 6:30-8:00 PM ET**

- Please note that this webinar will be recorded and posted on an EPA webpage for public access.

# Presenters

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ENERGY STAR for Small Business &  
Congregations

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Energy and Security Group  
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# Using Portfolio Manager to Benchmark your Congregation

# Why focus on buildings and plants?

**U.S. CO2 Emissions**

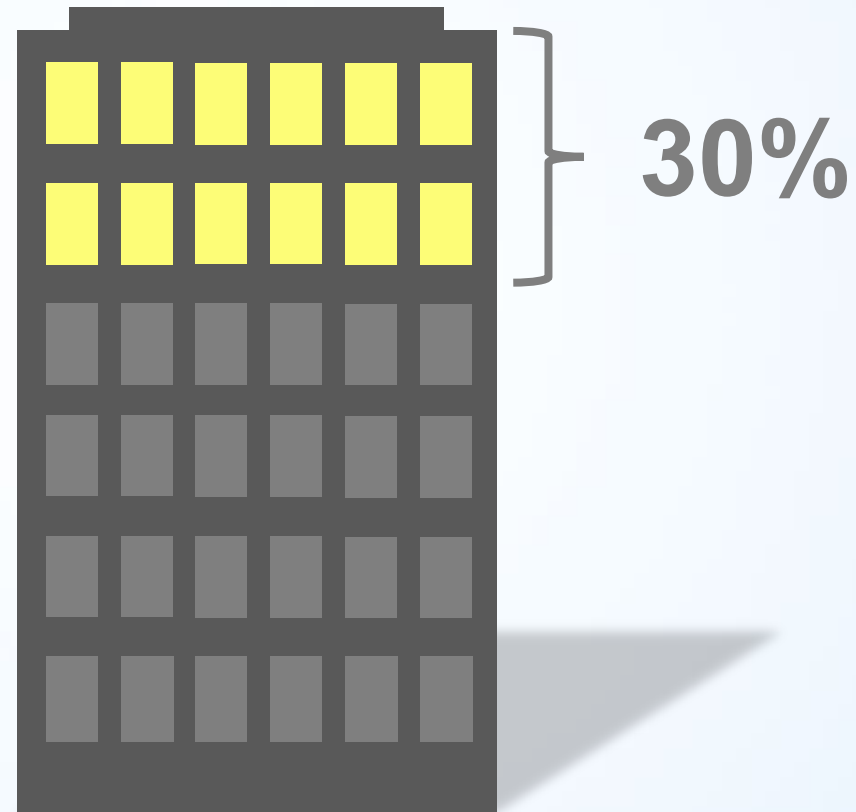


Commercial buildings & industrial plants

Category	Color
Commercial buildings & industrial plants	Green
Other sectors	Dark Blue

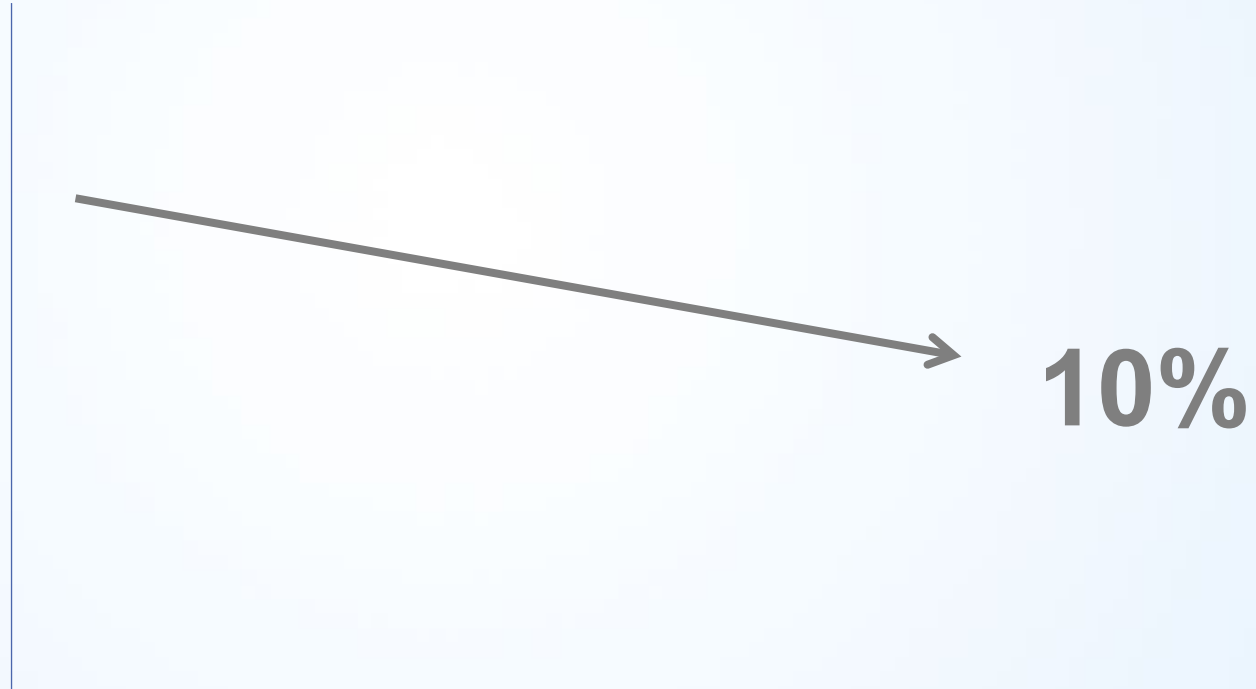
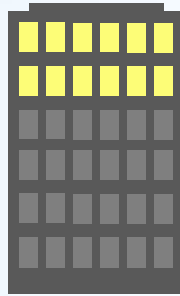
# Why focus on buildings and plants?

Energy waste in buildings – including worship facilities



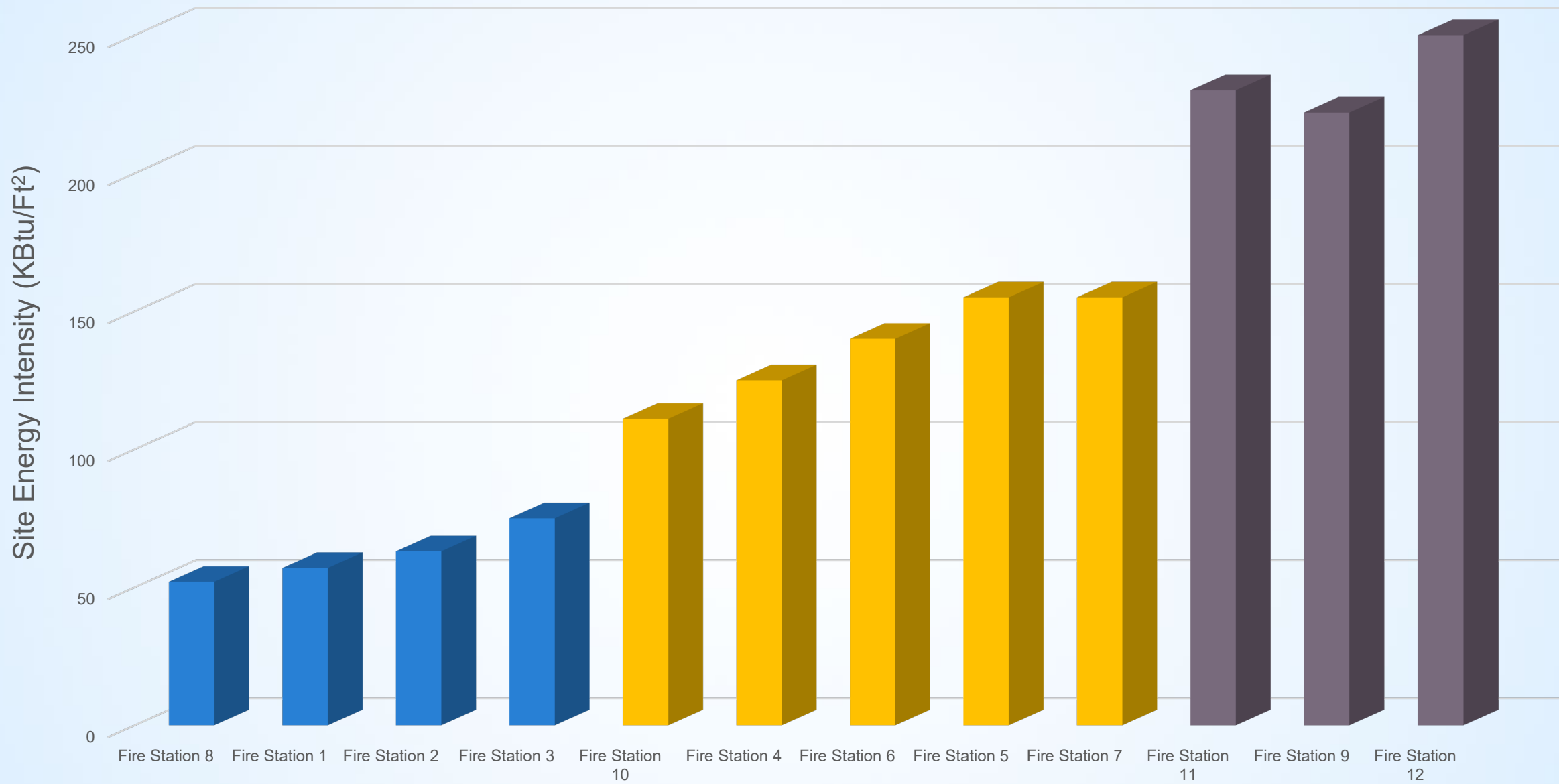
# Why focus on buildings and plants?

Low- to no-cost reduction potential



# A Short Case Study on Benchmarking







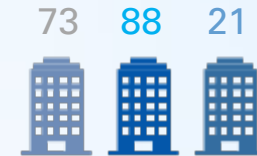
# Benchmarking allows you to:



Compare your building to a **national sample** of similar buildings



Compare your buildings of a similar type to **each other**



**Identify underperformers** in your portfolio and set priorities for the use of limited staff time and/or investment capital

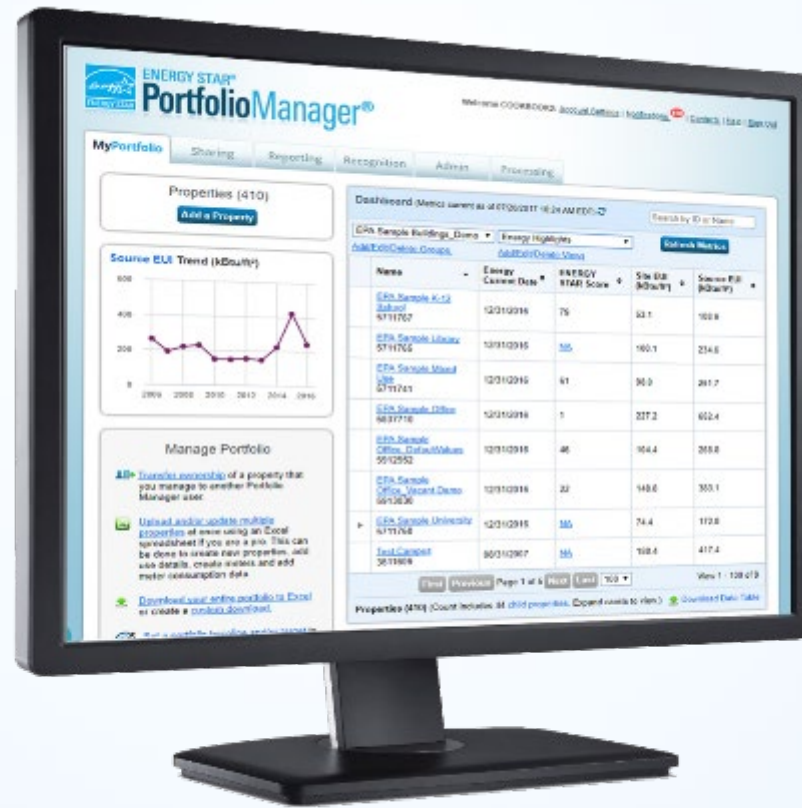
**ANY building can be benchmarked.**

# Benchmarking allows you to:

- Evaluate portfolio-wide performance
- Understand individual building performance
- Compare energy performance to national median
- Identify and address potential problems by looking at monthly trends
- Track the impact of energy, water, waste management strategies



# ENERGY STAR® PortfolioManager®



## Management Tool



Assess whole building energy and water consumption, plus waste



Track green power purchase



Share/report data with others



Track changes in energy, water, greenhouse gas emissions, and cost over time



Create custom reports



Apply for ENERGY STAR certification

## Hundreds of metrics, including:



**Energy use**  
Source, site,  
weather  
normalized,  
demand



**Water use**  
Water use  
intensity,  
Water Score  
(for Multifamily)



**Waste &  
Materials**  
Waste intensity,  
diversion rate



**1-100  
ENERGY  
STAR score**



**GHG  
emissions**  
Indirect,  
direct, total,  
avoided

# So, Let's Get Started Setting Up An Account

1. Set up a user account in Portfolio Manager
2. Use the data collection worksheet to gather information
3. Set up the property in Portfolio Manager
4. Look at property trends and understand energy (and water) use

# Setting Up a User Account in Portfolio Manager

## Portfolio Manager

How Portfolio Manager helps you save

The benchmarking starter kit ▶

Identify your property type ▶

Enter data into Portfolio Manager

The data quality checker

How Portfolio Manager calculates metrics ▶

Interpret your results ▶

Verify and document your savings ▶

Share and request data

Updates to ENERGY STAR® metrics with new market data

COVID-19 program changes

Get help accessing your utility data

Scorecard



**COVID-19 Program Impacts:** EPA has made several changes to the certification rules. See this [FAQ](#) for the latest updates.

## Use Portfolio Manager

You've heard it before: you can't manage what you don't measure. That's why EPA created ENERGY STAR Portfolio Manager®, an online tool you can use to measure and track energy and water consumption, as well as greenhouse gas emissions. Use it to benchmark the performance of one building or a whole portfolio of buildings, all in a secure online environment.

## Benchmark any type of building

You can use Portfolio Manager to manage the energy and water use of any building. All you need are your energy bills and some basic information about your building to get started.

Are you designing a new commercial building? You can also use Portfolio Manager to set your energy use target and see how your estimated design energy stacks up against similar existing buildings nationwide.



**Commercial Buildings and Onsite Renewable Energy** [READ NOW](#)

## Get help

Looking for Portfolio Manager technical support? Visit our [help center](#).

## ENERGY STAR® PortfolioManager®

EPA's online energy management and tracking tool enables you to measure and track the energy and water performance of any building over time.

[Register now](#)

Log in

username

password

[Forgot password?](#)

[Forgot username?](#)

[LOGIN](#)

## Create an Account

Already have an account? [Sign In Here](#)

### Accessing Your Account

Username: \*  ✓ Name Available!

Password: \*  ✓ Secure

Create a password that is at least 8 characters long and includes at least three of the following: lowercase letters, uppercase letters, numbers and/or special characters (such as \*, #, %, etc.).

Confirm Password: \*  ✓ Passwords Match

## Setting up a User Account

### About Yourself

First Name: \*

Last Name: \*

Job Title: \*

Email: \*

Confirm Email: \*  ✓ Emails Match

Note: We never share your email address with third parties.

Phone: \*

Country: \*

Language:

Reporting Units:  Conventional EPA Units (e.g., kBtu/ft<sup>2</sup>)  
 Metric Units (e.g., GJ/m<sup>2</sup>)

Street Address: \*

City/Municipality: \*

### Selecting a Username

You cannot change your username, so choose wisely. For organizations with multiple properties, we recommend you create a "corporate" account which "owns" all of the properties and have an administrator share properties with employees' individual accounts as necessary.

### First & Last Name for Organizations

If you are creating a corporate account, you can enter your organization's name in the first and last name fields in order to make it easier for other Portfolio Manager users to find your organization. Example: First Name: Company ABC, Last Name: Web Services Division



## About Your Organization

Organization Name: \*

Primary Business or Service of Your Organization: \*

Please Specify: \*

You have selected "Other" for primary business or service for your organization. Please specify.

Is your organization an ENERGY STAR Partner?  Yes  No

## Primary Business or Service

If you have more than one "primary business," just pick the best option. Portfolio Manager will determine your category for a score based on the information, like square footage, that you enter for each of your property uses.



Do you want your Account Name to be searchable by other Portfolio Manager users?


Do you want your Account Name to be searchable by other Portfolio Manager users? You must select "Yes" if you want to connect with other users to allow automatic upload of utility data or to share properties.  Yes  No

## Connecting with Others in Portfolio Manager

You can connect with other people in Portfolio Manager to easily share information. Your account must be searchable in order for others to send you a connection request.

## Confirm Your Identity

Please confirm that you are a human

 I'm not a robot



[Create My Account](#)

[Cancel](#)

# So, Let's Get Started Setting Up An Account

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# Download and Populate the Data Collection Worksheet

**Portfolio Manager: What data is required to benchmark your property?**

You can benchmark almost any type of property in Portfolio Manager! The information required varies depending on the type of property and whether or not the property is eligible for an [ENERGY STAR Score](#).

Pick your country and property type to get started.

Country: \*  [Why is this needed?](#)

Property Type: \*

- Religious Worship**
  - Worship Facility
- Retail**
  - Automobile Dealership
  - Convenience Store
  - Mall
  - Retail Store
  - Supermarket/Grocery Store
  - Wholesale Club/Supercenter
- Services**
  - Data Center
  - Personal Services (Health/Beauty, Dry Cleaning, etc.)
  - Repair Services (Vehicle, Shoe, Locksmith, etc.)
  - Other
- Technology/Science**
  - Data Center
  - Laboratory

**What Metrics Are Available?**

All properties are eligible to receive metrics such as [Source EUJ](#) by providing [Gross Floor Area](#) and 12 months of energy usage. The [ENERGY STAR Score](#) is available for specific property types and requires additional information. [Learn more about eligibility for the ENERGY STAR Score.](#)

**Data Collected for**

- Property Name
- Property Address
- Total Gross Floor Area
- Irrigated Area
- Year Built/Planned
- Occupancy
- Number of Buildings
- 12 consecutive months

**Required Data**

# So, Let's Get Started Setting Up An Account

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MyPortfolio

Sharing

Reporting

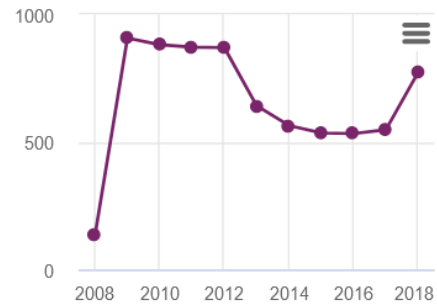
Recognition

Properties (263)

**Add a Property**

Source EUI Trend (kBtu/ft<sup>2</sup>)

[Change Metric](#)



(Chart current as of 05/31/2019 08:29 AM EDT)

**Refresh Chart**

Manage Portfolio

[Transfer ownership](#) of a property that you manage to another Portfolio Manager user.

[Upload and/or update multiple properties](#) at once using an Excel spreadsheet if you are a pro. This can be done to create new properties, add use details, create meters and add meter consumption data.

Dashboard

Search by ID or Name

It has been over 90 days since you last refreshed "Energy Highlights." Please [refresh](#) to see your current metrics.

My Properties (22)

Energy Highlights

**Refresh Metrics**

[Add/Edit/Delete Groups](#)

[Add/Edit/Delete Views](#)

Name	Energy Current Date	ENERGY STAR Score	Site EUI (kBtu/ft <sup>2</sup> )	Source EUI (kBtu/ft <sup>2</sup> )
<a href="#">Church Office</a> 17948690				
<a href="#">Church Office (TEST)</a> 17948854				
<a href="#">East Temple (test for medium size)</a> 4633560				
<a href="#">fdfsdd</a> 6003988				
<a href="#">Good Church Parish Hall</a> 5241289				
<a href="#">grand</a> 11227134				
<a href="#">Greater Mission (test church for small)</a> 4633174				
<a href="#">gym campus test</a> 5147643				
<a href="#">Headquarters</a> 1197325				

## Set up a Property: Let's Get Started!

Properties come in all shapes and sizes, from a leased space in a large office building, to a K-12 school with a pool, to a large medical complex with lots of buildings. Since there are so many choices, Portfolio Manager can walk you through getting your property up and running. When you're done, you'll be ready to start monitoring your energy usage and pursue recognition!



### Your Property Type

We'll get into the details later. For now, overall, what main purpose does your property serve?

Worship Facility

[Learn more about Property Types.](#)



### Your Property's Buildings

How many physical buildings do you consider part of your property?

- None: My property is part of a building
- One: My property is a single building
- More than One: My property includes multiple buildings ([Campus Guidance](#))

How many?



### Your Property's Construction Status

Is your property already built or are you entering this property as a construction project that has not yet been completed?

- Existing:** My property is built, occupied and/or being used. I will be using Portfolio Manager to track energy/water consumption and, perhaps, pursue recognition.
- Design Project:** My property is in the conceptual design phase (pre-construction); I will be using Portfolio Manager to evaluate the energy efficiency of the design project.
- Test Property:** This is not a real property. I am entering it to test features, or for other purposes such as training.

**Add a Property**



Tip

To set up a property, you'll need information such as [gross floor area](#) and [operating hours](#).



Tip

Not sure what kind of property you are? Because we focus on whole building benchmarking, you want to select the property type that best reflects the activity in the majority of your building. Don't worry if you have other tenants with different business types, just select the main activity.



Test Properties

You may want to enter a property into Portfolio Manager that isn't actually a "real" property, either to familiarize yourself with features or maybe to train other people. By telling us this a "Test" property, we can give the option of including this property in your portfolio-level metrics, charts and table or not, depending what your needs are. This can be configured on your [Account Settings](#).



## Set Up a Property: Basic Property Information

Tell us a little bit more about your property, including a name that you will use to look up your property and its address.

### About Your Property

Name: \*

Country: \*

Street Address: \*

City/Municipality: \*

State/Province: \*

Postal Code: \*

Year Built: \*

Gross Floor Area: \*    Temporary Value

Irrigated Area:

Occupancy: \*  %

Property Photo (optional):  No file selected.

Select an image file on your computer with the format type of .jpg, .jpeg, .png or .gif; photos will be resized to fit a space of 2.78 inches wide x 2 inches tall.

## Add basic property information



Tip

The name you choose for your property does not have to be unique. But, it may make it easier for you to work with properties in your portfolio if you do not use the same (or similar) names.



Tip

The property photo that you upload here can be used on the [Registry of ENERGY STAR Qualified Buildings](#) if you submit the photo with your application for ENERGY STAR certification. Once a photo has been approved with an

## Holy Name Church

123 Main Street, Philadelphia, PA 19019 | [Map It](#)

Portfolio Manager Property ID: 6879216

Year Built: 1982

[Edit](#)

Not currently eligible for  
**ENERGY STAR**  
Certification

[Change Metric](#)

**ENERGY STAR Score**  
(1-100)

Current Score: 60

Baseline Score: 37

Summary

Details

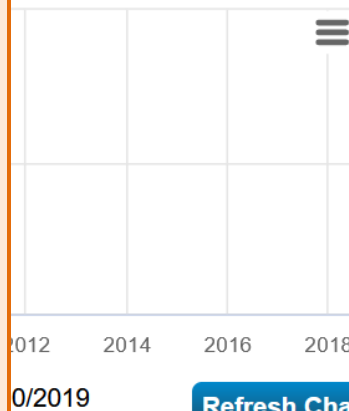
Energy

! Water

Waste &amp; Materials

Goals

Design

Source EUI Trend (kBtu/ft<sup>2</sup>)[Change Metrics](#)[Change Time Periods](#)

## Metrics Summary

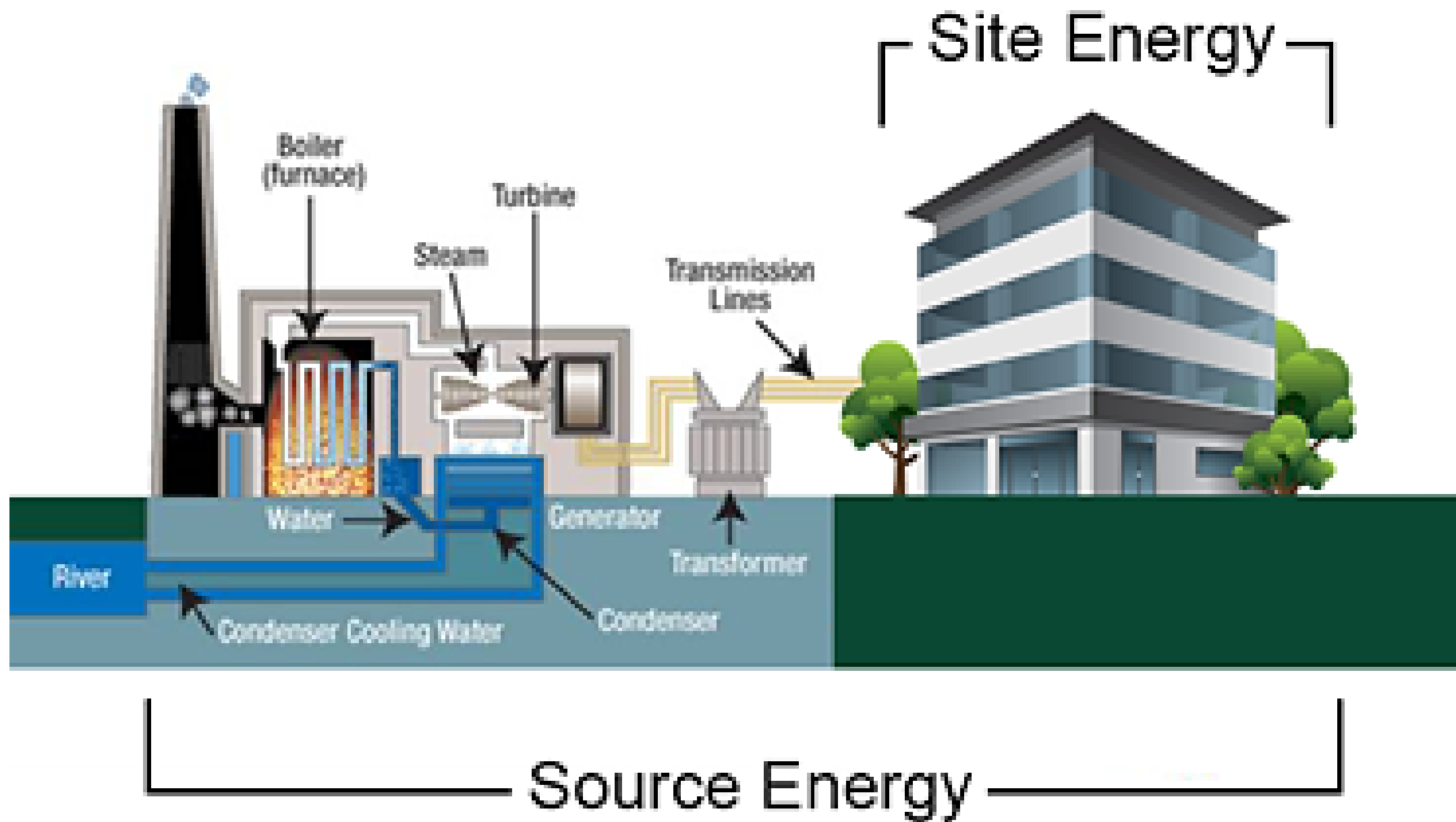
Metric <a href="#">Edit</a>	May 2018 (Energy Baseline) <a href="#">Edit</a>	Jan 2020 (Energy Current) <a href="#">Edit</a>	Change <a href="#">?</a>
ENERGY STAR Score (1-100)	37	60	23.00 (62.20%)
Source EUI (kBtu/ft <sup>2</sup> )	90.6	62.7	-27.90 (-30.80%)
Site EUI (kBtu/ft <sup>2</sup> )	38.8	27.6	-11.20 (-28.90%)
Energy Cost (\$)	18,774.06	12,348.56	-6425.50 (-34.20%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	3.2	2.2	-1.00 (-31.20%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A

After adding data, users can start tracking metrics for building energy (and water) use such as EUI, costs, GHG emissions, etc. as well as overall trends.



# What is EUI?

- When you benchmark your building in Portfolio Manager, one of the key metrics you'll see is energy use intensity, or EUI.
- EUI is expressed as energy per square foot per year.
- Portfolio Manager provides both “Site EUI” and “Source EUI”.
- Generally, a low EUI signifies good energy performance. However, certain property types will always use more energy than others. For example, an elementary school uses relatively little energy compared to a hospital.
- For Congregations
  - Median Source EUI is 58.4 kBTU/ft<sup>2</sup>
  - Median Site EUI is 30.5 kBTU/ft<sup>2</sup>



# Holy Name Church



123 Main Street, Philadelphia, PA 19019 | [Map It](#)

Portfolio Manager Property ID: 6879216

Year Built: 1982

[Edit](#)

[Not currently eligible for ENERGY STAR Certification](#)

[Change Metric](#)

**ENERGY STAR Score (1-100)**

**Current Score: 60**

**Baseline Score: 37**

Summary

Details

Energy

**!** Water

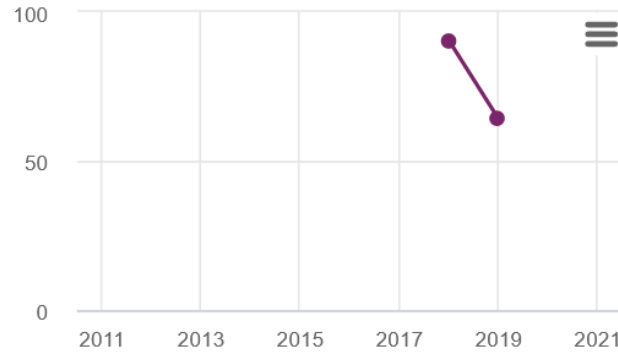
Waste & Materials

Goals

Design

## Source EUI Trend (kBtu/ft<sup>2</sup>)

[Change Metric](#)



(Chart current as of 08/15/2022 10:26 AM EDT)

[Refresh Chart](#)

[Change Metrics](#)

[Change Time Periods](#)

## Metrics Summary

Metric	May 2018 (Energy Baseline)	Jan 2020 (Energy Current)	Change
ENERGY STAR Score (1-100)	37	60	23.00 (62.20%)
Source EUI (kBtu/ft <sup>2</sup> )	90.6	62.7	-27.90 (-30.80%)
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# So, Let's Get Started Setting Up An Account

1. Set up a user account in Portfolio Manager
2. Use the data collection worksheet to gather information
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4. Look at property trends and understand energy (and water) use

## Meter Summary

### 2 Energy Meters Total

2 - Used to Compute Metrics

[Add A Meter](#)

### Current Energy Date

[Enter Your Bills](#)

View snapshots of energy and water use by month

ways to Enter  
ta

(instructions here)

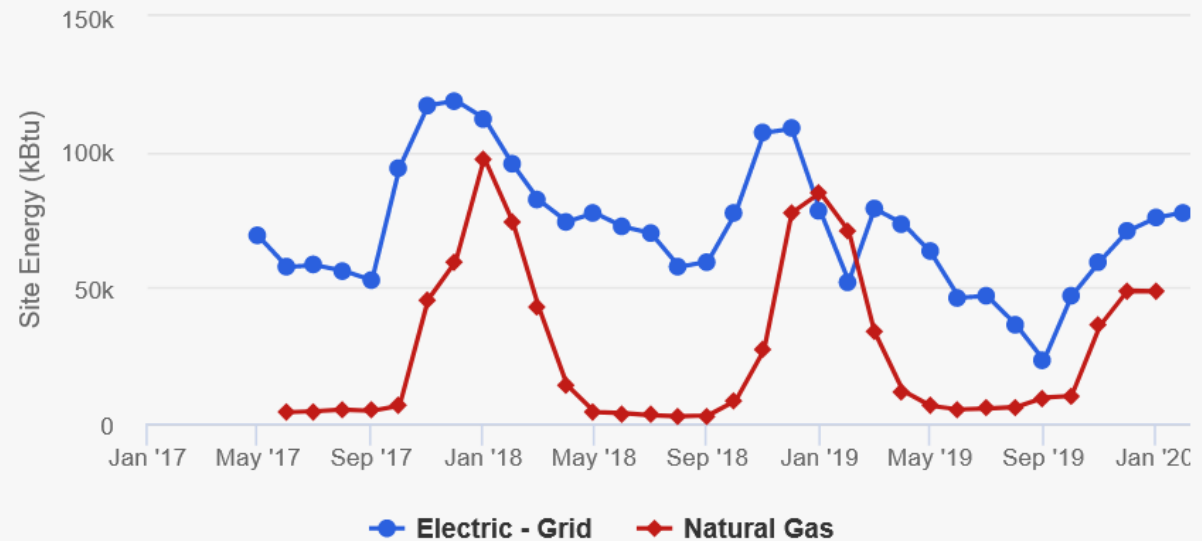
2. Use our [simple spreadsheet](#) (on the bottom of each meter's Manage Bills page) to upload or Copy/Paste
3. Use our [complex spreadsheet](#) (multiple meters + multiple properties)
4. [Hire an organization](#) to electronically enter your data
5. See if your [utility offers this service](#)

Your utility, PECO, may be able to send energy data directly to this building record, using Portfolio Manager web services. [Click here](#) for additional information and to see if this option is right for you. If this is what you would like to do, you can [connect](#) with PECO to get the process started.

[Remind me Later](#)

[Don't show me this again](#)

## Energy Use by Calendar Month (Not Weather Normalized)



(Chart current as of 08/15/2022 10:26 AM EDT)

[Refresh Chart](#)

[Export Data by Calendar Month](#)

# Holy Name Church



123 Main Street, Philadelphia, PA 19019 | [Map It](#)

Portfolio Manager Property ID: 6879216

Year Built: 1982

[Edit](#)

[Not currently eligible for ENERGY STAR Certification](#)

[Change Metric](#)

**ENERGY STAR Score (1-100)**

**Current Score:** 60

**Baseline Score:** 37

Summary

Details

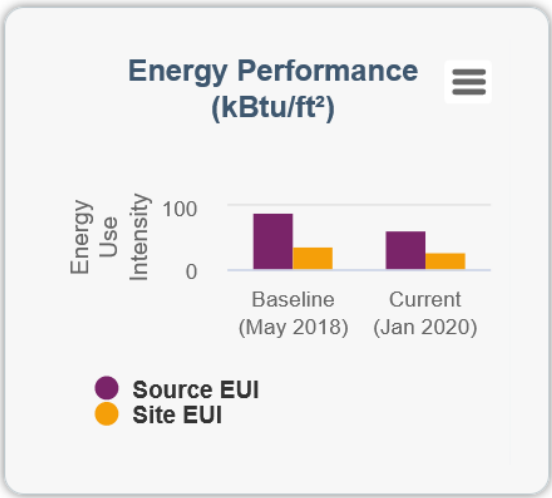
Energy

**!** Water

Waste & Materials

Goals

Design



Generate & Download Performance Documents for this Property

[Statement of Energy Performance](#)

## Metrics Comparison for Your Property & Your Target [Change Time Period](#)

Metric	May 31 2018 (Energy Baseline)	Jan 31 2020 (Energy Current)	Target*	Median Property*
<a href="#">ENERGY STAR score(1-100)</a>	37	60	44	50
<a href="#">Source EUI(kBtu/ft<sup>2</sup>)</a>	90.6	62.7	81.6	74.5
<a href="#">Site EUI(kBtu/ft<sup>2</sup>)</a>	38.8	27.6	35.0	32.8
<a href="#">Source Energy Use(kBtu)</a>	3171463.1	2195040.2	2854316.8	2606902.4
<a href="#">Site Energy Use(kBtu)</a>	1359298.0	967428.5	1223368.2	1148950.0
<a href="#">Energy Cost(\$)</a>	18774.06	12348.56	16896.66	14665.56
<a href="#">Total GHG Emissions(Metric Tons CO<sub>2</sub>e)</a>	111.8	78.2	100.6	92.8

\* To compute the metrics at the target and median levels of performance, we will use the fuel mix associated with your property's current energy use.

**View results and progress, set targets, understand how the property compares to others of similar type/size/location**







### Charts & Graphs



*Weather Normalized Source EUI*

How much total primary fuel would be required by my properties, under average weather conditions?







### ENERGY STAR Performance Documents

-  [Statement of Energy Performance \(SEP\)](#)
-  [Statement of Energy Design Intent \(SEDI\)](#)
-  [Data Verification Checklist](#)
-  [Progress & Goals Report](#)
-  [ENERGY STAR Scorecard](#)
-  [Water Scorecard](#)

**View reports on performance by metrics and timelines.**

### Templates & Reports (25)

Create a New Template

◆	Name	Status	▼	Action
	Data Request:2018 Reporting Template (May 01 2019 Deadline) (Request from Energy Empowerment Program)	No Response Preview Generated		I want to... ▼
	Bethel GHG and Source EUI	Generated: 8/24/2018 1:17 PM		I want to... ▼
	Bethel template	Generated: 8/24/2018 1:09 PM		I want to... ▼
	▶ Data Request:2015 National Building Competition - Midpoint Data Submission (Request from EPA's National Building Competition)	Closed: 3/11/2016 11:52 AM		I want to... ▼
	2013 National Building Competition ? Baseline data submission (Request from EPA's National Building Competition)	Closed: 11/12/2013 5:22 PM		I want to... ▼
	LRC close out	No Report Generated		I want to... ▼



Not currently eligible for ENERGY STAR Certification

 [Change Metric](#)

## ENERGY STAR Score (1-100)

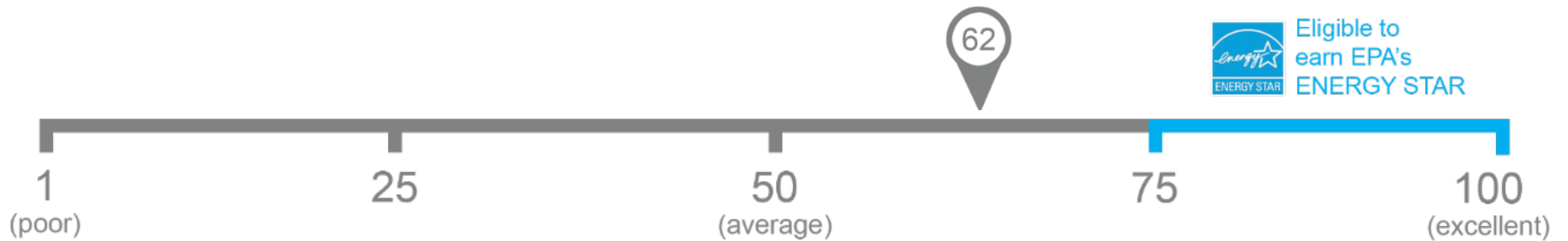
**Current Score:** 60

**Baseline Score:** 37

**Understand the ENERGY STAR Score and whether your facility may be eligible to apply for ENERGY STAR certification.**



# The 1-100 ENERGY STAR Score



One simple number  
understood by ALL  
stakeholders



# The biggest little label in energy efficiency



7 billion  
products



39,000  
buildings

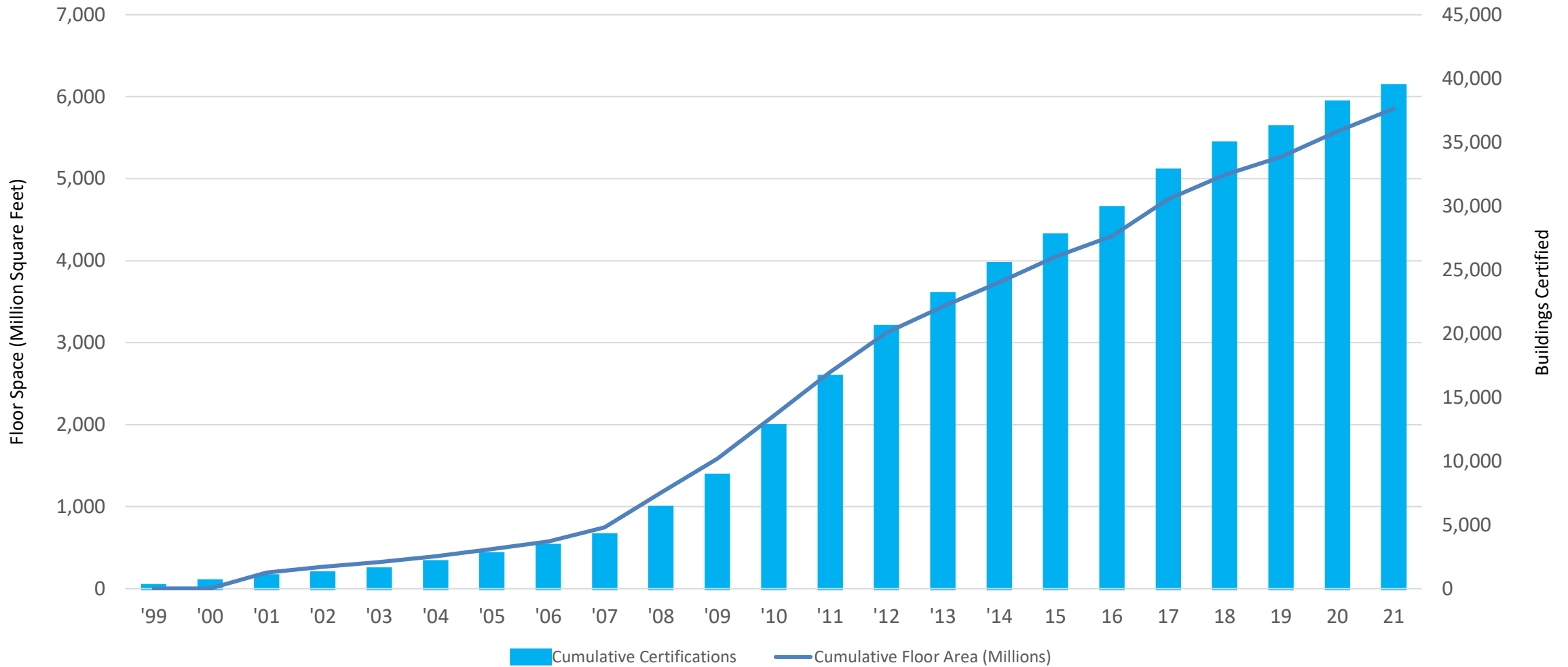


250  
industrial plants



2.3 million  
new homes

# ENERGY STAR Certified Buildings



# ENERGY STAR Certified Worship Facilities

- **130** worship facilities have earned the ENERGY STAR
- **58** certified worship facilities located in **Michigan**—highlights dedicated outreach and technical support of Michigan IPL
- **1** church in PA (Reformation Lutheran) has earned the ENERGY STAR
- St. Andrews Episcopal Church (Newport News, VA) has earned the ENERGY STAR **8 times since 2009**



# Portfolio Manager Training

[energystar.gov/buildings/training](http://energystar.gov/buildings/training)

YouTube Search

ENERGY STAR Portfolio Manager

MyPortfolio Sharing Planning Reporting Recognition

Charts & Graphs

ENERGY STAR Performance Documents

Statement of Energy Performance (SEP)

Statement of Energy Design Intent (SEDI)

Data Verification Checklist

Progress & Goals Sheet

ENERGY STAR Score Card

Templates & Reports (9)

Create a New Template

Name	Status	Action
Data Request: Data Request - Demonstration (Request from Andrew Schulte)	Response Process Generated 7/16/2014 11:33 AM	I want to...
Performance Highlights	No Report Generated	I want to...
Energy Performance	No Report Generated	I want to...
Emissions Performance	No Report Generated	I want to...

4:05 / 4:38

How to Respond to a Data Request in Portfolio Manager®

ENERGY STAR

Subscribe 1,516

Add to Share More

How to Benchmark a Property

How to Share Properties with Others

Portfolio Manager Quick Start Guide

- Weekly live webinars; recorded for “24/7” access
- 3 – 7 minute training videos on YouTube
- Step-by-step training guides, fact sheets, FAQs, and technical reference documents
- Link to the highly rated ENERGY STAR Help Desk

# ENERGY STAR Help Desk

[energystar.gov/buildingshelp](http://energystar.gov/buildingshelp)

## Portfolio Manager Help



### [Learn More about Portfolio Manager](#)

Get fact sheets, quick reference guides and other information about how the tools works.



### [Search the Knowledge Base](#)

Browse or search our Frequently Asked Questions.



### [Check the Glossary](#)

Look up terms used throughout Portfolio Manager.



### [Take or View a Training](#)

Sign up for a session or view a recording on a wide variety of topics.



### [Ask a Question](#)

Send a question or comment to our staff.




### [Web Service Documentation](#)

If you exchange data via web services, check out the documentation or get email updates.


## Technical References

Are you into the math of it all? Learn more about how Portfolio Manager calculates metrics.

 [Source Energy](#)

 [Greenhouse Gas Emissions](#)

 [ENERGY STAR Scale](#)

 For more information on specific property types, like office and school, visit the [ENERGY STAR website](#). These are available in English only.

 [National Median Values](#)

 [Accounting for Climate & Weather](#)

 [Thermal Conversion Factors](#)

[Get more documentation on the ENERGY STAR website.](#)

Don't forget, we're out there with you! Network with us and other folks who are using Portfolio Manager.



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# Let's Take a Tour

# What Can YOU Do?

- Help your congregation **JOIN ENERGY STAR** at [energystar.gov/joinbuildings](http://energystar.gov/joinbuildings)
- **Download *Action Workbook for Congregations*** at [energystar.gov/congregations](http://energystar.gov/congregations)
- **BENCHMARK your facility** in Portfolio Manager at [energystar.gov/benchmark](http://energystar.gov/benchmark)

**Existing buildings** ▶

**Commercial new construction** ▶

**Industrial energy management** ▶

**Small business** ▶

**Congregations** ▼

Improve the Energy and Water Performance of your Congregation

Track your Energy and Water Use

Learn from others congregations' successes

External Faith-Based Environmental Stewardship Organizations

## ENERGY STAR for Congregations

Did you know that most congregations can cut energy costs by up to 30% by investing strategically in efficient equipment, facility upgrades and maintenance? Congregations decide to focus on energy efficiency for a variety of reasons, including lowering utility bills, reducing energy consumption, and reducing pollution that is harmful to human health and the environment. Virtually all faith traditions teach stewardship of the earth and of its life-supporting natural resources.

ENERGY STAR has the tools and resources to help. With free, unbiased information and technical support from ENERGY STAR, your congregation can more easily improve stewardship of your budget's energy dollars and of the earth by reducing energy waste and energy costs, while protecting the environment.

### RESOURCES FOR CONGREGATIONS

Use these resources as planning guides for implementing cost-effective energy improvement projects for your house of worship.

- The ENERGY STAR Action Workbook for Congregations
- Workbook Summary
- Workbook Appendices
- ENERGY STAR Manual de acción para las congregaciones
- Cuadernillo de ENERGY STAR para congregaciones - Apéndices
- Click here for more Tools and Resources

**JOIN MAILING LIST**

Sign up to receive updates from ENERGY STAR BUILDINGS & PLANTS on Portfolio Manager and program news.

**ENERGY STAR® PortfolioManager®**

EPA's online energy management and tracking tool enables you to measure and track the energy and water performance of any building over time.



- **Join ENERGY STAR**  
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- **Benchmark energy, water, materials**  
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- **Download the Action Workbook**  
[energystar.gov/congregations](https://energystar.gov/congregations)



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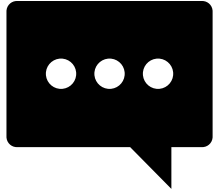
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We would appreciate hearing from you!

- Please take our short evaluation with the following link that will also be posted in the chat.
- <https://forms.gle/PvvTkuKLGbKAXvqF8>