City of San Diego Benchmarking Ordinance



City of San Diego Benchmarking Team



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Climate Action Program Manager

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Agenda

- Overview of Benchmarking
- How to Benchmark your Building
- Q&A

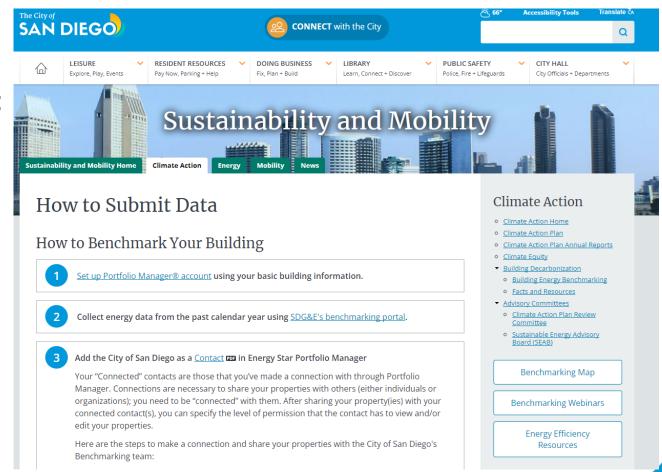


Trainings and Resources Available

Visit the City's Benchmarking Website:

- Benchmarking Guide
- Training Modules
- Recorded Webinars
- Office Hours
- And more

URL: https://www.sandiego.gov/sustainability-mobility/climate-action/bd/benchmarking



Office Hours at SD Central Library, Room 221

Work through the benchmarking process with staff on-site! Experts will be available in the room to answer questions and help guide you in ensuring your building complies with the requirements.

Upcoming Dates

May 14th, 9:30-11:30 AM





What is Benchmarking?

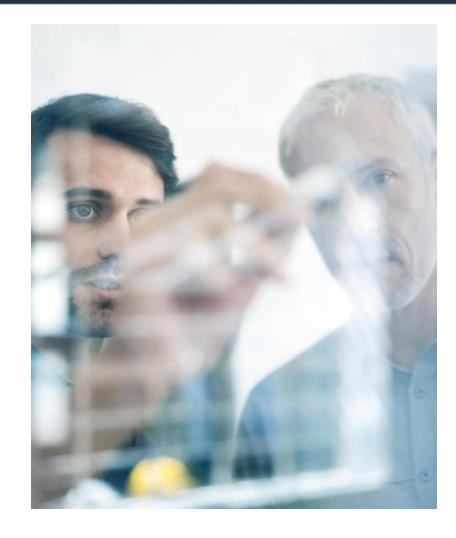
Benchmarking is the process of measuring a building's energy use to understand its performance and identify opportunities to reduce building owners' energy expenses.



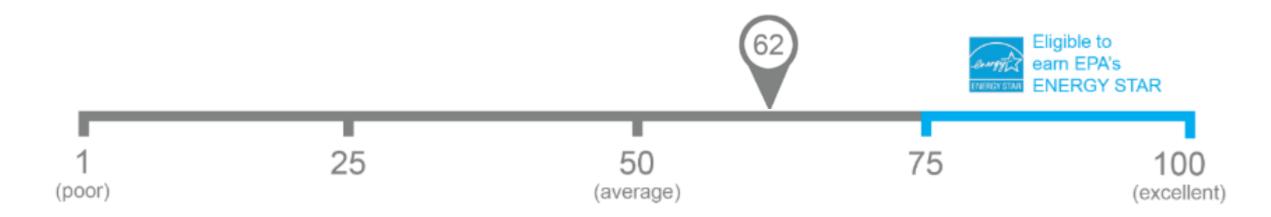
Why Benchmark?

Building Owner Perspective

- Compare a building's energy consumption to peers or to itself at a past point
- Receive ENERGY STAR Recognition
- Understand a building's operating costs when buying or leasing a property
- Use information to justify retrofit projects
- Opportunity for building owners to distinguish themselves in the marketplace as energy efficient



The 1-100 ENERGY STAR Score



One simple number understood by ALL stakeholders.



The Benefits of Benchmarking



By simply measuring your building's consumption, you could reduce energy use an average of

2.4% per year

An MIT Energy Initiative survey of hundreds of facility managers found:

70% used Portfolio Manager to inform energy efficiency upgrade plans

67% used Portfolio Manager to help justify the cost of an energy efficiency project

Examples of Energy Efficiency Projects



LED lighting and Controls retrofits



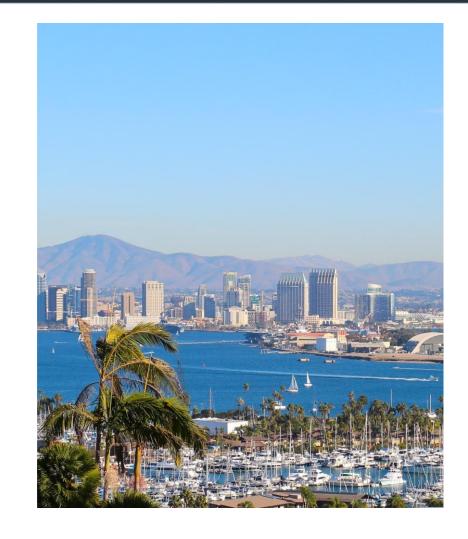
Electrification of HVAC and domestic hot water heating



Building envelope improvements and new glazing

Why Benchmark? City Perspective

- Supports CAP Strategies to reduce residential, commercial, and municipal building energy use
- Aligns with California State Law AB 802 which requires benchmarking for commercial, mixed use and multifamily buildings 50,000 sq. ft. or greater
- Provides the city with the ability to direct funds towards locally-based resources
- Allows the City to build and foster relationships with its building owner and business community



Quick Break

Any questions relating to the topics we've just discussed?

Topic Overview:

- Available Resources through the City of San Diego
- The "What" and the "Why" of Benchmarking
- How benchmarking benefits you, the building owner
- How to leverage benchmarking information after the fact



San Diego's Benchmarking Ordinance

Requirements



Applies to buildings 50,000 sq. ft. or greater (with 17+ residential accounts) with some exemptions



Track and report energy use data to the City using ENERGY STAR® Portfolio Manager® annually by June 1.

Ordinance Exemptions

- Automatic
 - Buildings with more than half their gross floor area used as dedicated lab space or for industrial or manufacturing purposes.
 - Buildings owned by certain governmental agencies
 - Condominiums
- Must File an Exemption
 - Trade Secrets
 - Unable to access whole-building energy data
 - · Building been unoccupied for more than half a year or is about to be demolished

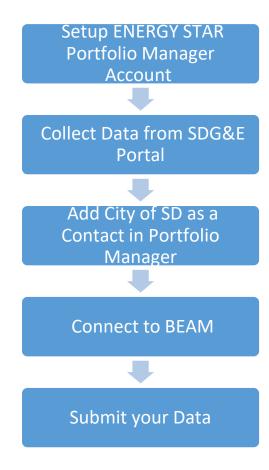
Benchmarking Timeline

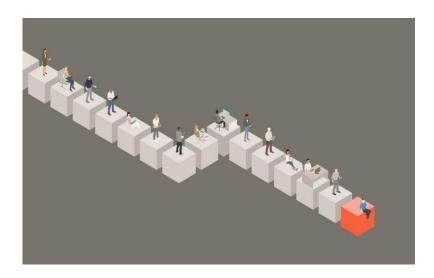
March 31, 2025: Exemption Request Deadline

June 1, 2025: Deadline for all reported data to the City

September 1, 2025: Building owners receive energy scorecards

Compliance Process





Data Input

- Property address
- County
- Year built
- Primary use type
- Gross floor area
- Latitude and longitude
- Property or building name, if any
- Property floor area (building and parking)

- Open "comments" field for the building Owner or Owner's Agent to provide additional information about the building
- ENERGY STAR Portfolio Manager Property ID
- Percentage of space occupied (Occupancy)
- Number of occupants
- Number of buildings (if served by one common Energy meter without submetering

Data Output

- ENERGY STAR score, for eligible buildings
- Monthly and/or annual site Energy use by Energy type
- Monthly and/or annual weather-normalized site and/or source energy use intensity
- Monthly and/or annual peak electricity demand
- Total annual greenhouse gas emissions
- Monthly and/or annual Site energy use intensity
- Compliance or noncompliance with this ordinance.

Quick Break

Any questions relating to the topics we've just discussed?

Topic Overview:

- San Diego Benchmarking Ordinance Details, Requirements, and Exemptions
- Submission Timeline
- Compliance Process and Required Information



Four main steps to reporting your data

- 1. Create Energy Star Portfolio Manager (ESPM) Account
- 2. Add your buildings in ESPM
- Request energy data from SDG&E
- 4. Connect your ESPM account/buildings with the City of San Diego





BOUT FOR PARTNERS

SEARCH Q

Find Products

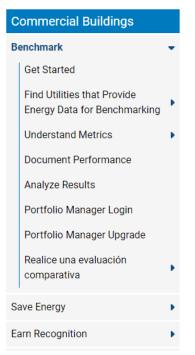
Save at Home

New Homes

Commercial Buildings

Industrial Plants

Home » Commercial Buildings » Benchmark Your Building With Portfolio Manager



Benchmark Your Building With Portfolio Manager

What is Benchmarking?

The first step to saving energy at your building is to benchmark — that i to measure and compare your building's energy to similar buildings, pas consumption, or a reference performance level.

Benchmarking turns the information on your utility bill into knowledge you can act on.

ENERGY STAR® Portfolio Manager®
—the Industry Standard for
Benchmarking Commercial Buildings



Create or Login to Portfolio Manager Account

https://www.energystar.gov/buildings/benchmark

Create a username and password, then log in

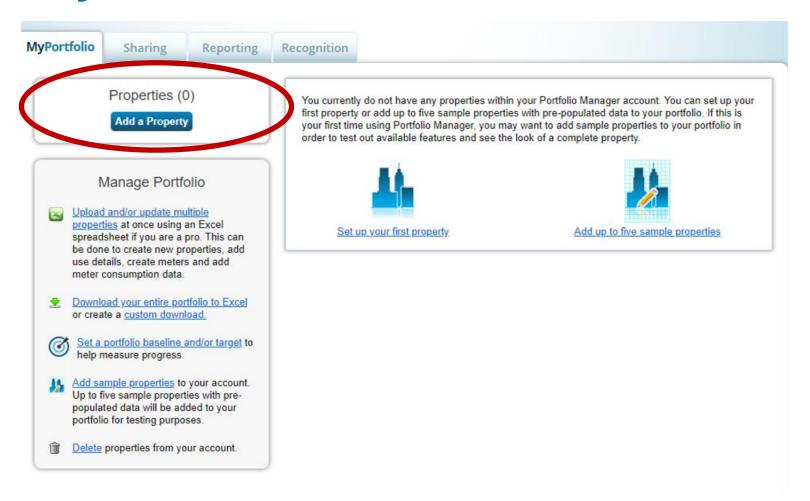


Four main steps to reporting your data

- 1. Create Energy Star Portfolio Manager (ESPM) Account
- 2. Add your buildings in ESPM
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Add a Property



Select property type

Select number of buildings

Select construction status



Welcome Account | Notifications | | ENERGY | | Contacts | Help | Sign RW Processor: Settings

Notifications

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?

Select a property type

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 (e.g., a Tenant Space)
- 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.
- O 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.





To set up a property, you'll need information such as gross floor area and



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



Test Properties

You may want to enter a property into Portfolio Manager that isn't actually a "real" property, either to familiarize other people. By telling us this a "Test" property, we can give the option of including this property in your portfoliodepending what your needs are. This can be configured on your Account Settings.

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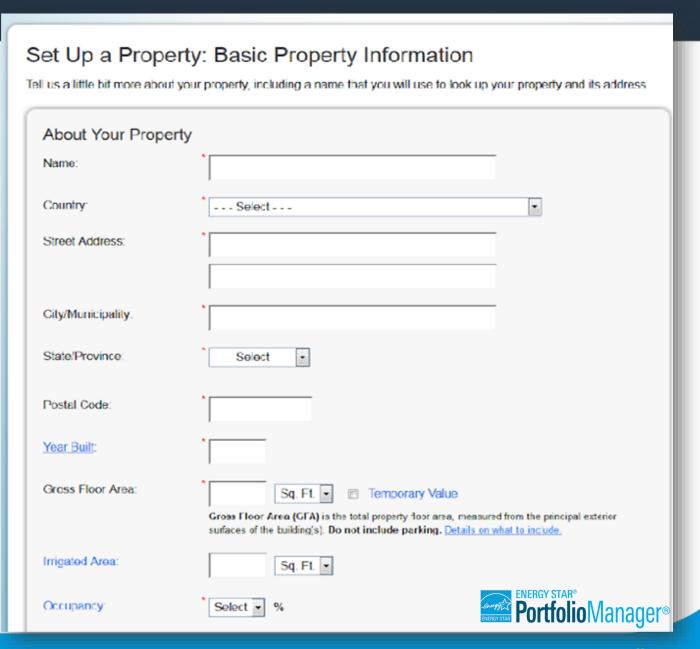




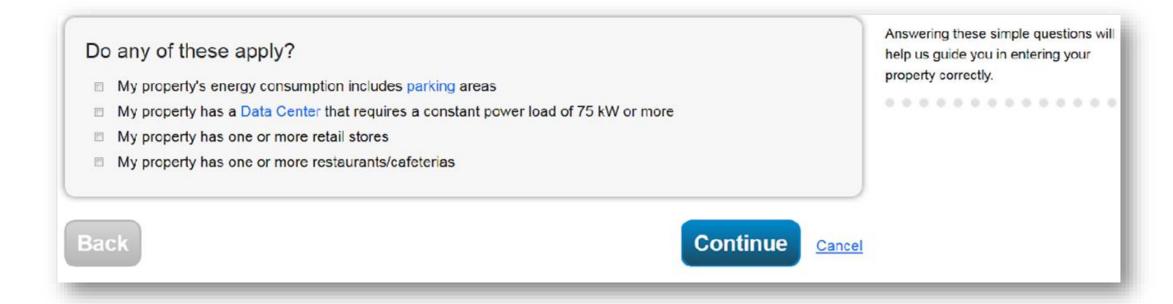
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Enter Basic Property Information



Check the statements that apply



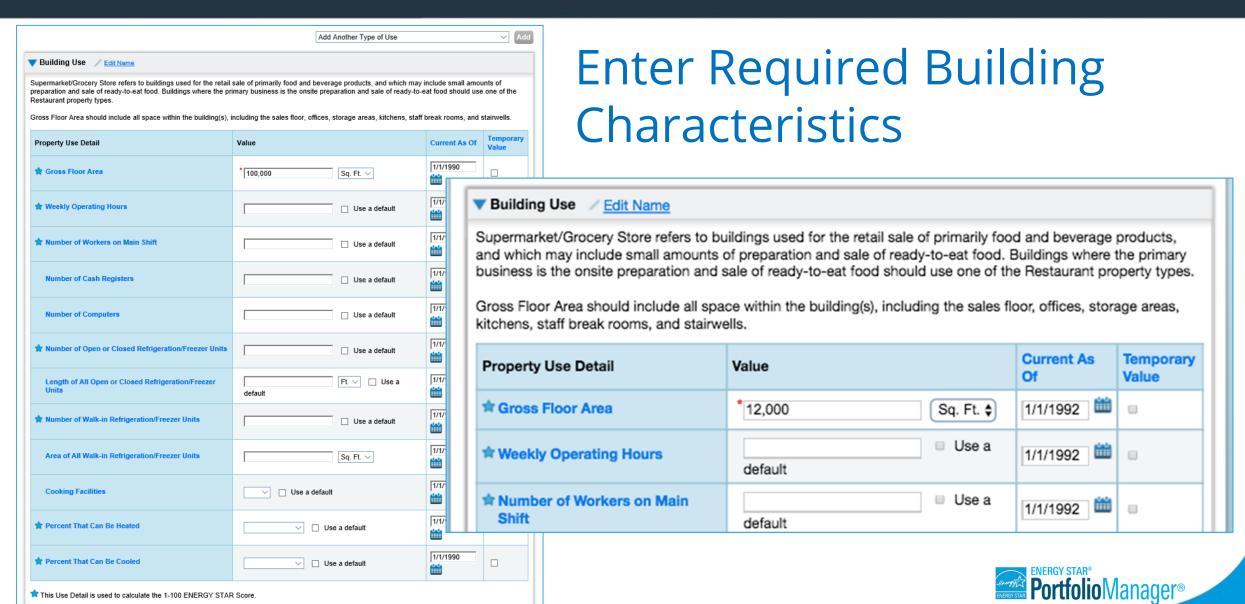
These use details will change depending on the property type you specify.





This Use Detail is used to calculate the 1-100 ENERGY STAR Score

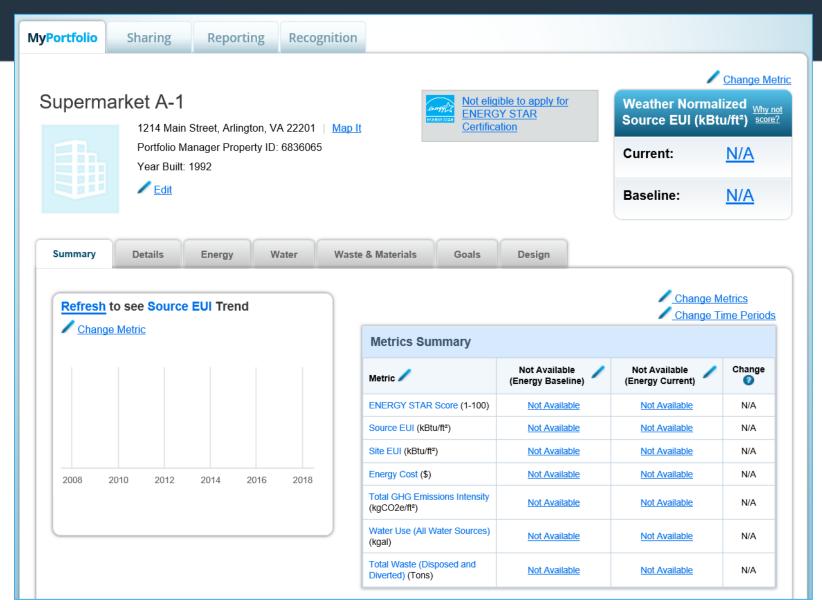
City Planning Department





Property Added Successfully!

View the Property Summary Tab





Quick Break

Any questions relating to the topics we've just discussed?

Topic Overview:

- Create a "no cost" ESPM account: https://portfoliomanager.energystar.gov/pm/signup
- Add your properties under "MyPortfolio"



Four main steps to reporting your data

- 1. Create Energy Star Portfolio Manager (ESPM) Account
- 2. Add your buildings in ESPM
- 3. Request energy data from SDG&E
- 4. Connect your ESPM account/buildings with the City of San Diego Sustainability Department

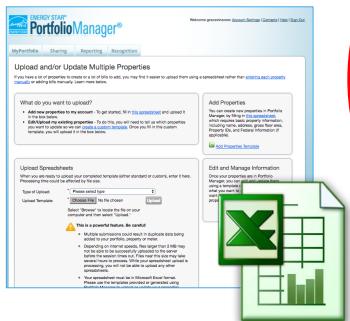


Enter Energy Data into Portfolio Manager

Manual entry



Spreadsheet upload





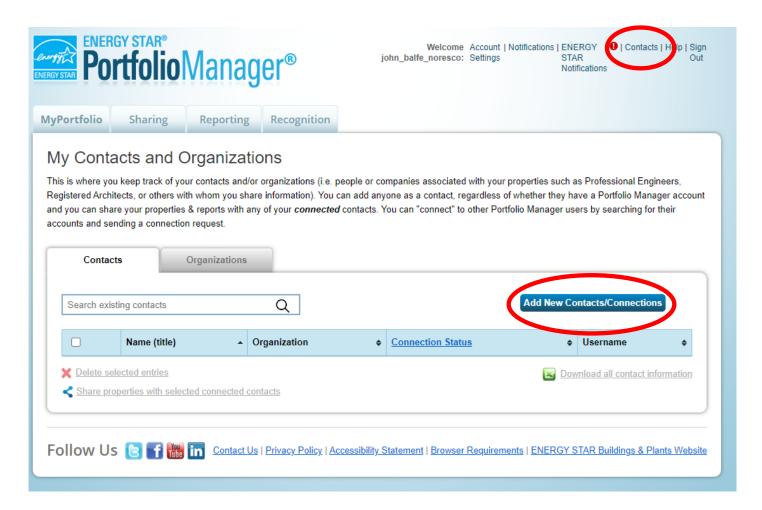
Aggregated Data

- For building owners with multiple tenants, you can request wholebuilding energy consumption data from utility for prior year
- Aggregated data can be obtained for:
 - Commercial buildings with 3+ utility accounts
 - Multifamily buildings with 5+ utility accounts
- If your building falls under these thresholds, you can still obtain aggregated data with letters of authorizations from tenants.

Requesting Data from SDG&E

- In 2018, SDG&E launched an integrated benchmarking data request portal
- Streamlines the process for data requests and obtaining authorizations
- Learn more at <u>SDGE.com/benchmarking</u>

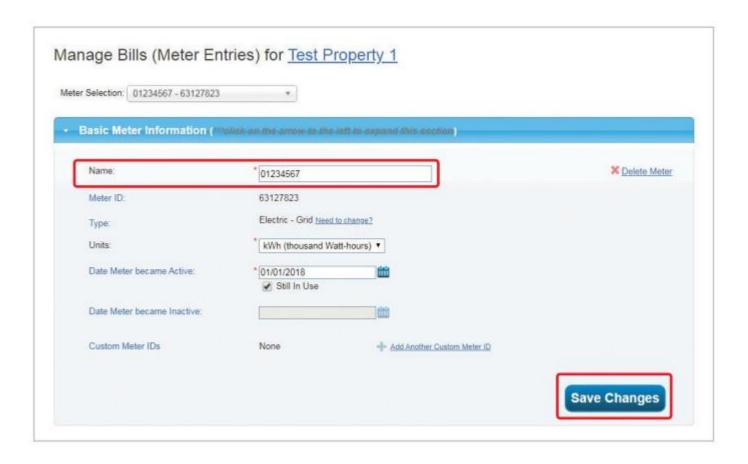
Connect with SDG&E in Portfolio Manager



Step #1:

Add SDG&E as a contact

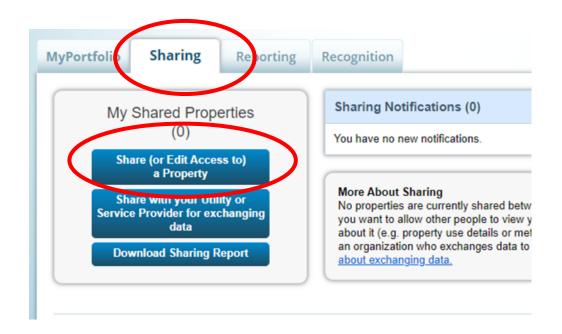
- On the Contacts tab
- Select "Add New Contacts/Connections"
 Button
- Enter "SDGE BENCHMARKING" into the Name Field
- Click Search and then Connect



Step #2:

If you have existing meters, edit the account meter name to match the 8-digit SDG&E meter number

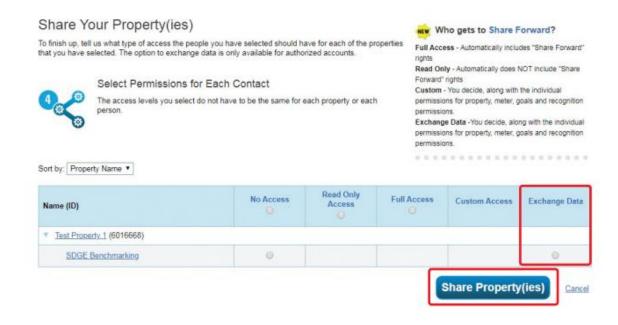
If you have not added meters, SDG&E will create them for you



Step #3:

Submit share request

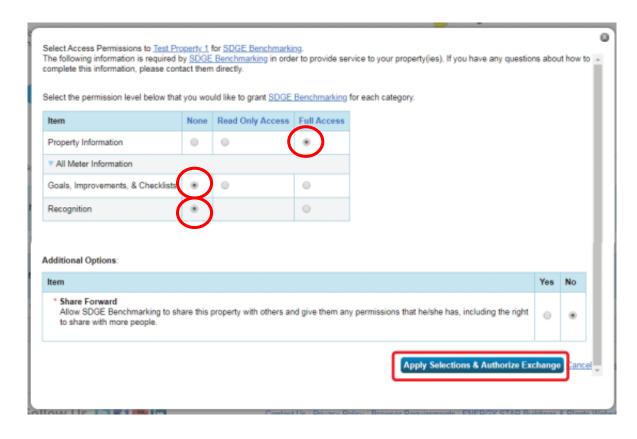
- Navigate to Sharing Tab
- Click Share (or Edit Access to) a Property Button
- Select your Property
- Choose "SDGE Benchmarking (SDGE)"
- Select PERSONALIZED SHARING & DATA EXCHANGE button; Continue



Step #3 (Cont.):

Submit share request

- Select Exchange Data radio button; then click Share Property
- A new pop-up window will appear



Step #3 (Cont.):

Submit share request

- Set access permissions as follows:
 - Property Information: FULL ACCESS
 - Goals, Improvements and Checklists: NONE
 - Recognition: NONE
- Click Apply Selections & Authorize Exchange
- Click Share Property



A Message should appear indicating a successful share

SDG&E Request Portal

- Navigate back to the SDG&E Request Portal and select Step 2: Start your Benchmarking Request
- Follow the prompts and input all required information
- You will need your ENERGY STAR Portfolio Manager Username accessible
- You will receive a confirmation when your request is submitted successfully

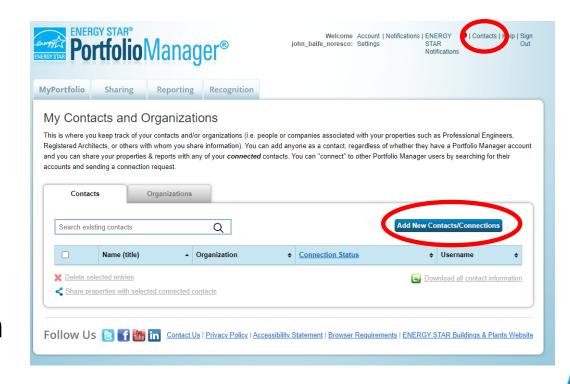
Four main steps to reporting your data

- 1. Learning to Navigate Energy Star Portfolio Manager(ESPM)
- 2. Adding your buildings in ESPM
- 3. Requesting energy data from SDG&E
- 4. Connecting your ESPM account/buildings with the City of San Diego Sustainability Department



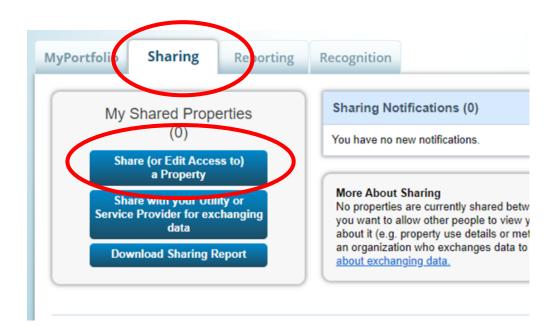
Connect with the City in ESPM

- Complete this step after your data has been shared by SDG&E to ESPM
- Login to your ESPM Account
- Select the Contacts tab
- Click Add New Contacts/Connections
- In the Username field, type: "CoSD_Sustainability" and select Connect, Send Connection Request
- CoSD_Sustainability will now appear in your list of connected contacts



Share Your Property's Data with the City

- Navigate to Sharing Tab
- Click Share (or Edit Access to) a Property Button
- Select your Property
- Choose "CoSD_Sustainability"
- Select PERSONALIZED SHARING & DATA EXCHANGE button; Continue
- Select Exchange Data radio button; then click Share Property
- In pop-up window, select Read Only Access for Property Information and All Meter Information; Select None for Goals, Improvements & Checklists, and Recognition; and Select No for Share Forward
- Select Apply Selections & Authorize Exchange
- Click Share Property and wait for confirmation email



Quick Break

Any questions relating to the topics we've just discussed?

Overview:

- Request your building's data from SDG&E through their Benchmarking Portal.
- Add the City as a Contact in ESPM and share your information with them.

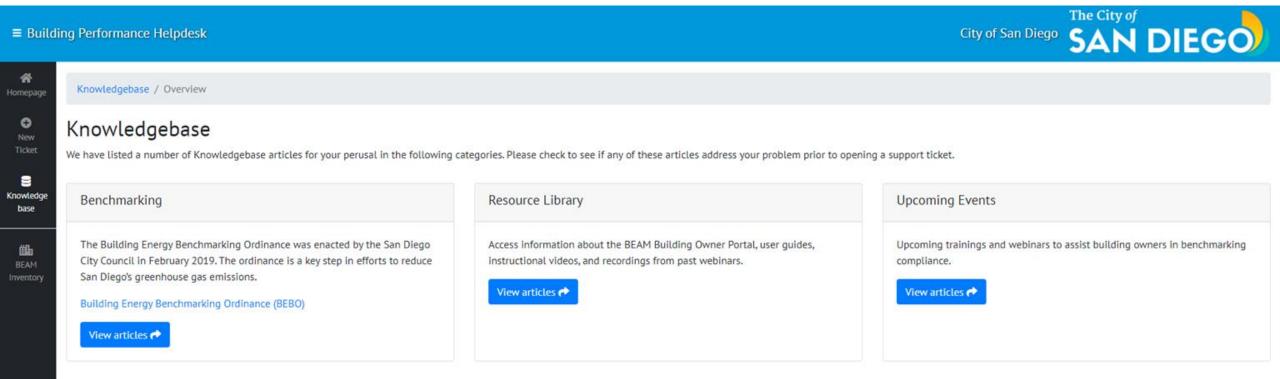


New Benchmarking Platform: BEAM

What is BEAM?

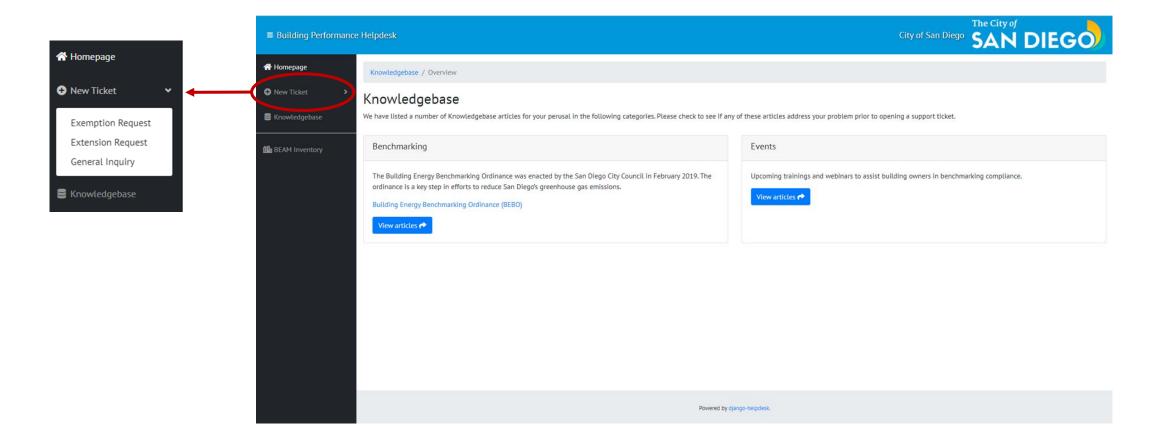
- A platform the City will use to manage/analyze the data from all benchmarked buildings
- Help Desk with knowledgebase of FAQs
- Ticket submittal system
 - Request Exemption or Extension
 - Ask a question

BEAM Knowledgebase

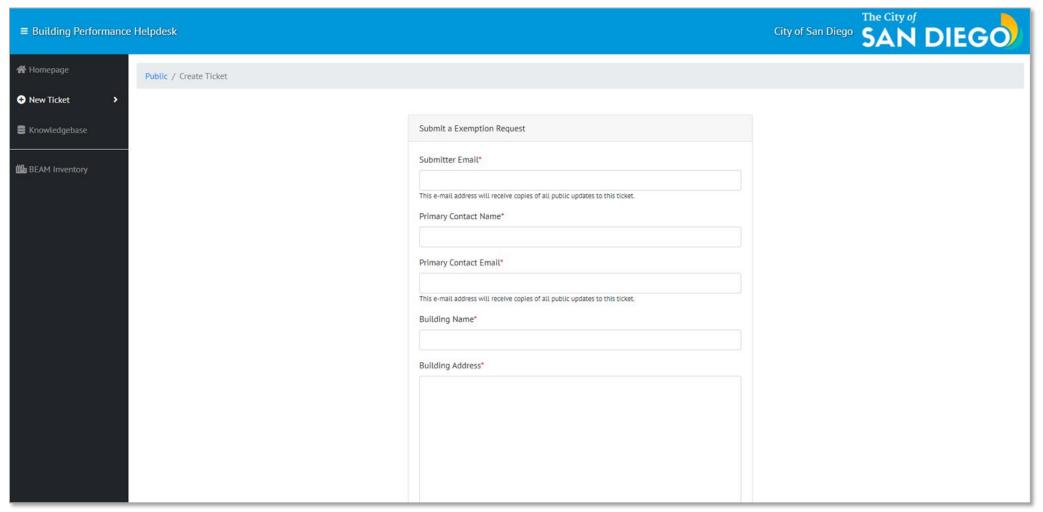


Link to BEAM Knowledgebase: https://sandiego.beam-portal.org/helpdesk/kb/

Submitting a Ticket



Complete Form and Submit



BEAM Building Owner Portal Registration

- Create an optional BEAM account to view:
 - Building energy performance
 - Info in the same way as the program administrators
 - Missing or inaccurate data flags
 - Past communications with the City
 - And more

Create an account here: https://sandiego.beam-portal.org/helpdesk/tickets/submit/110/

properties.	. If you use a different email address, the system will not find any of your
You will receive an account invi a general inquiry for support.	itation link to this email. If you do not have access to this email, please fill ou
This e-mail address will receive	e public updates to this ticket.
Submitter Name (First &	Last)"
Submitter Email*	
This e-mail address will receive	e public updates to this ticket.
Submitter Role*	
Building owner property mana	ger, third-party support, etc.
San Diego Building ID*	
San Diego Building ID*	

Next Steps

Access resources, sign-up for notifications, and report your data all at SanDiego.gov/Benchmark

Questions or Comments? Contact Benchmarkingsupport@sandiego.gov

Upcoming Events

- Training Webinar #2: May 13
- Office Hours at SD Central Library
 - o April 23, 2025 at 9:30 a.m. 11:30 a.m.PT
 - Additional times in May are to be announced.

Additional Resources

- Assembly Bill 802 Benchmarking Program
- City of San Diego's Benchmarking Website
 - Instructional Videos on how to submit your data
- Portfolio Manager Help
 - Learn about Portfolio Manager
 - Take or view a training
 - Search FAQs
 - Ask a question
 - Check the glossary

Thank You!

Questions?

Email us at

Benchmarkingsupport@sandiego.gov