

An aerial photograph of a city, likely Columbia, South Carolina, showing a dense urban area with various buildings, streets, and green spaces. The sky is blue with some light clouds. A large blue text box is overlaid in the lower center of the image.

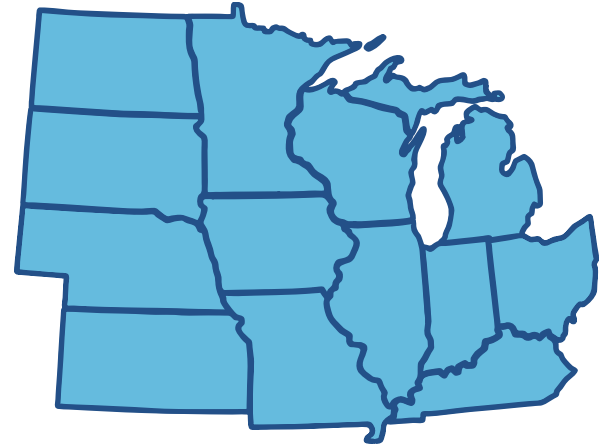
# READY FOR A DATA JAM?

**WEBINAR WILL  
BEGIN SHORTLY**

# Midwest Energy Efficiency Alliance

The Midwest Energy Efficiency Alliance (MEEA) is a collaborative network, promoting energy efficiency to optimize energy generation, reduce consumption, create jobs and decrease carbon emissions in all Midwest communities.

MEEA is a non-profit membership organization with 150+ members, including:



Energy service  
companies &  
contractors



State & local  
governments



Academic &  
Research institutions



Electric &  
gas utilities

# Logistics

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Webinar is being recorded and will be shared with attendees

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Attendees are muted

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Questions? Use the Q & A Feature any time during presentation

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Questions will be held to the end



# Today's Speakers

*Are you Ready for a Data Jam?*

*Benchmarking and the support programs that make it simple*



**Katie Kaluzny**

Illinois Green Alliance  
Deputy Director



**Ellen Sargent**

Chicago Housing Authority  
Deputy Chief for Building  
Operations



**Abby Zielinski**

Village of Oak Park  
Civil Engineer

# Are You Ready for a Data Jam?

January 11, 2024

Katie Kaluzny  
Deputy Director, Illinois Green Alliance

[kkaluzny@illinoisgreenalliance.org](mailto:kkaluzny@illinoisgreenalliance.org)  
<https://buildinghub.energy>



*The Building Energy  
Resource Hub is a project  
of Illinois Green Alliance.*



# Webinar Agenda:

- What is a benchmarking ordinance?
- What is ENERGY STAR Portfolio Manager?
- What does a Data Jam entail?
- Who hosts a Data Jam and who attends?
- What do you need to get started?
- How has it worked with portfolios and municipalities?
- What are best practices and tips?





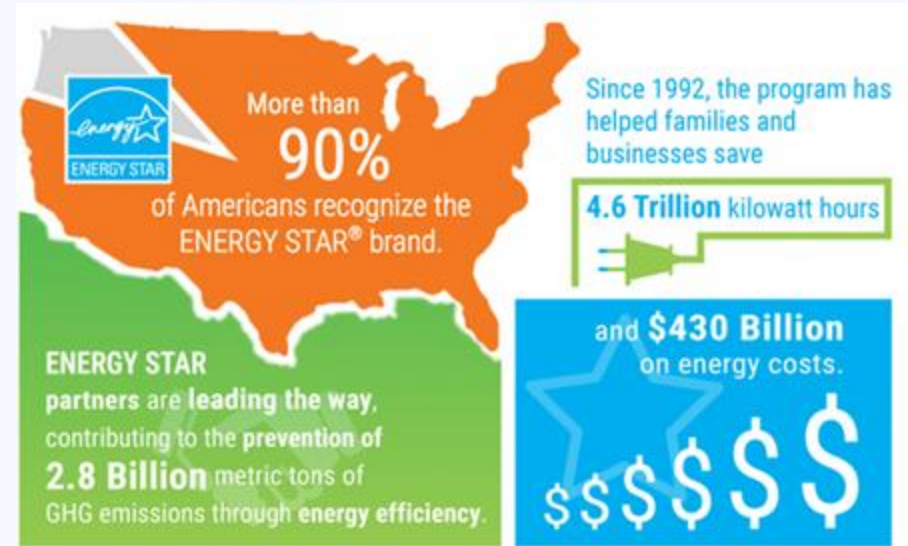
# Benefits of benchmarking:

- Achieves energy savings, cost savings, improved health and environmental quality.
- Develops a strong market for building efficiency and jobs related to efficiency improvements
- Helps building owners and tenants evaluate their energy use and identify opportunities for efficiency improvement.
- EPA studies have shown that benchmarked buildings achieved energy savings of 2.4% per year



# What is ENERGY STAR?

- Created by the EPA in 1992 to provide resources and tools for businesses and households manage and improve their energy use.
- More than 700 utilities, state and local governments, and nonprofits use ENERGY STAR in their efficiency programs.



[https://www.energystar.gov/about/origins\\_mission/energy\\_star\\_numbers](https://www.energystar.gov/about/origins_mission/energy_star_numbers)

# What is ENERGY STAR Portfolio Manager?



A free online tool from the EPA that helps building managers:



Assess energy, water and waste/materials consumption




Track changes over time



1-100 ENERGY STAR score

# Portfolio Manager Tool & Resources:





ENERGY STAR®  
**PortfolioManager**®

Help  
Language: [English](#) | [Français](#)

## Welcome to Portfolio Manager

Helping you track and improve energy efficiency across your entire portfolio of properties.

Username: \*

Password: \*

[I forgot my password.](#)  
[I forgot my username.](#)


**Sign In**


**Create a New Account**





[ENERGY STAR Buildings Homepage](#)

[Take a Training](#)

[Learn More About Portfolio Manager](#)

 These links provide more information from ENERGY STAR and are not available in French.

 You are accessing a U.S. Government information system. System usage may be monitored, recorded, and subject to audit. Unauthorized use of the system is prohibited and subject to criminal and civil penalties. Use of the system indicates consent to monitoring and recording.

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# BENCHMARKING

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DATA JAM

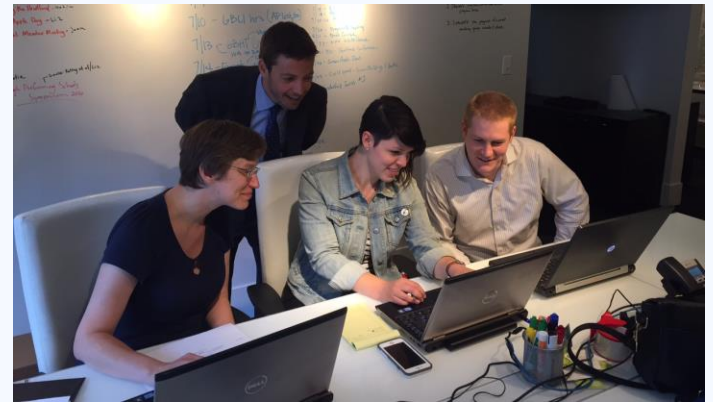
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# What is a data jam?



- How to create an ENERGY STAR online account
- Understanding tool definitions
- How to collect building information
- How to create a building profile
- How to collect and enter whole building aggregated utility data
- How to share data and report to your municipality





# Why should I host a data jam?

- Because they are awesome and fun!
- Providing training and education is a nice thing to do!
- Help building owners comply (which is the goal!)
- Shows buildings that it is not that hard and anyone on their team can do it!
- Demystifies why you're asking for the data and why it is helpful for all parties.
- Offers opportunity to connect with community



# Setting the Data Jam up for Success:

1. **Data Jam Prep Session!**
  - a) One month ahead of data jam date
  - b) Split sessions by building types (multifamily vs commercial)
  - c) Review building data collection worksheets
  - d) Review utility data collection options
  
2. **Utility Prep!**
  - a) Reach out to utilities to prep for whole building data requests
  - b) Ensure municipal utilities have a system for requests that matches with what ENERGY STAR requires



# Setting the Data Jam up for Success:



Welcome kkaluzny: [Account](#) | [Notifications](#) | [ENERGY STAR Notifications](#) | [Help](#) | [Sign Out](#)

## 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: \*

[+ Add Another Use Type](#)

You can look up more than one use type if needed. [Learn more about when to use different use types when setting up your property.](#)

[Look up Required Data](#)

## What Metrics Are Available?

All properties are eligible to receive metrics such as [Source EUI](#) 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 All Properties

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

## Additional Data Collected for Multifamily Housing

The following information is required to get an ENERGY STAR Score [\(if eligible\)](#):

- Gross Floor Area
- Total Number of Residential Living Units
- Number of Residential Living Units in a Low-rise Building (1-4 stories)
- Number of Residential Living Units in a Mid-rise Building (5-9 stories)
- Number of Residential Living Units in a High-rise Building (10 or more stories)
- Number of Bedrooms

The following information is optional and not used to calculate a score; it may inform future analysis and score revisions by EPA and/or may help you manage and compare your properties:

- Common Entrance
- Resident Population Type
- Government Subsidized Housing
- Number of Laundry Hookups in All Units
- Number of Laundry Hookups in Common Area(s)
- Percent That Can Be Heated
- Percent That Can Be Cooled

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## Start Collecting Data

Create a document with the information above.

[Create PDF](#)

[Create Word](#)

# Setting the Data Jam up for Success:

## 3) **Divide Building Types into Multiple Sessions!**

- a) Work with an entire portfolio like your housing authority, archdiocese, or municipal buildings
- b) Schedule separate data jams and prep sessions for multifamily and commercial buildings

## 4) **Work with Partners!**

- a) USGBC Chapters, ASHRAE or AIA Chapters, and energy nonprofits LOVE portfolio manager and talking about energy data
- b) Utilize volunteer experts in your community to teach and help building owners understand the process

# Setting the Data Jam up for Success:

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# Partnering to Offer Guidance and Expertise



# Village of Oak Park Benchmarking Year 1

**August 2022:**  
Climate Ready  
Oak Park  
Adopted



**February 2023:**  
Benchmarking  
ordinance  
passed



**April 2023:**  
Data Jam for  
governmental  
buildings



**June 1, 2023:**  
Village  
buildings  
benchmarking  
deadline



**August 2023:**  
Data Collection  
meetings (2)



**September  
2023:** Data  
Jams (3)



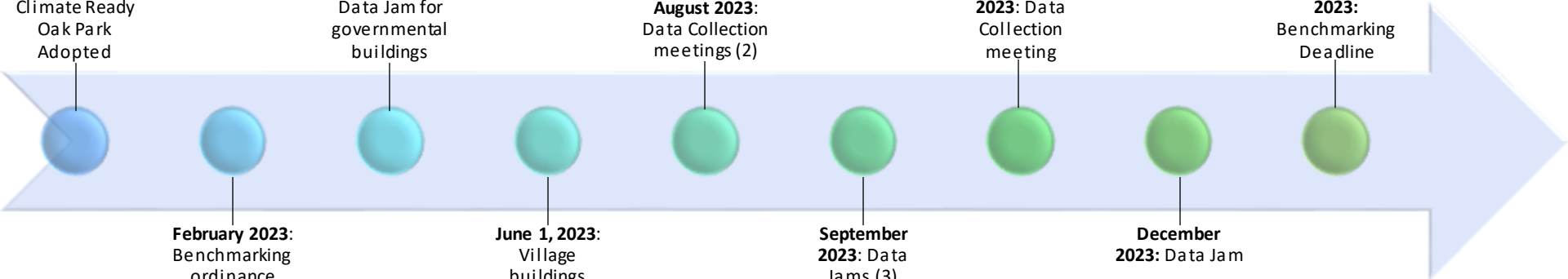
**November  
2023:** Data  
Collection  
meeting



**December  
2023:** Data Jam



**December 31,  
2023:**  
Benchmarking  
Deadline



# Data Jam Offerings in Oak Park



# Benchmarking Helpdesk

[Knowledgebase](#) / [Overview](#)

## Knowledgebase

We have listed a number of Knowledgebase articles for your perusal in the following categories. Please check to see if any of these articles address your problem prior to opening a support ticket.

### Benchmarking Policy

The Village's [Energy and Water Benchmarking Ordinance](#) requires buildings 10,000 square feet and larger to report their annual energy and water consumption using ENERGY STAR Portfolio Manager.

The annual deadline to report is December 31st.

[View articles](#)

### Benchmarking Workshops

Benchmarking workshops help building owners with data collection, data entry, and troubleshooting. View information about upcoming workshops and recordings from past workshops.

[View articles](#)

### How to Report Building Data

Instructions for reporting your building's energy and water use data.

[View articles](#)

### What is Benchmarking?

Reducing building energy use is the most important step that Oak Park can take to take action on climate change and reach the community's [Climate Ready Oak Park](#) goals.

On February 6, 2023, the Village Board of Trustees voted to adopt an energy and water benchmarking ordinance to help owners and managers of large commercial buildings to better understand and improve their building's performance.

[View articles](#)



# Chicago Housing Authority Data Jam







# Reviewing Tips & Tricks

1. Make a plan to offer and communicate training and guidance opportunities from the start!
2. Make some friends and engage partners that love talking about energy performance and helping newbies!
3. Make sure data jam participants are prepared. Ensure building owners have the tools and information needed in advance.
4. Communicate with external and internal utilities about how to handle whole building energy data requests.
5. Make sure there is support leading up to – and after – the compliance deadline for compliance procrastinators!
6. Remember it is not that hard and anyone can do it! The first year takes the most set-up, then it is minimal effort annually.



# Benchmarking Resources & Guides

- U.S. EPA & ENERGY STAR
  - Benchmarking Starter Kit:  
[https://www.energystar.gov/buildings/benchmark/get\\_started](https://www.energystar.gov/buildings/benchmark/get_started)
  - How-To Guides & Training Videos: <https://www.energystar.gov/buildings/training>
- Data Jam Case Studies
  - [Chicago Housing Authority](#)
  - [City of Evanston](#)
  - [City of Minneapolis](#)
- U.S. Department of Energy
  - <https://eere.energy.gov/energydataguide/commercial-building-benchmarking-policies.shtml>
- MEEA Building Energy Data Resources:
  - <https://illinoisgreenalliance.box.com/s/yupxkwn29sn8fc8kw7iz05pul0tmv4r3>

# Building Operator Certification (BOC) Overview



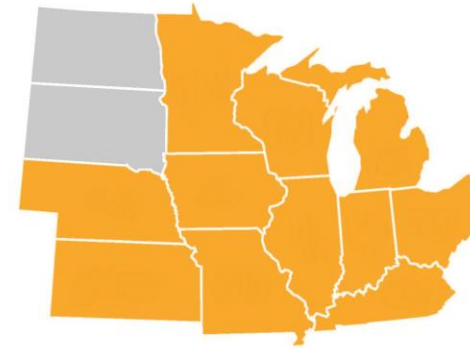
- Training and certification program with more than 200,000 graduates in 20+ years
- Focus: energy efficient building operations and preventative maintenance procedures
- Target audience: building operators with 2+ years of experience working in a building that is 50,000 ft<sup>2</sup> or larger
  - Facility managers
  - Building engineers
  - HVAC technicians etc
- Requires ~ 60 hours of classroom time and 10 hours of project work. Class typically meets every other week for 3 months with unique, expert instructor for each session.
- Graduates earn Training Certificate of Completion and are eligible to take exam to become a Certified Building Operator (CBO)
- Learn more: [www.boccentral.org](http://www.boccentral.org), [boc@mwalliance.org](mailto:boc@mwalliance.org), 855.420.1785



# BOC Incentives and schedule



- Tuition is \$1695 with discounts or rebates available in many locations
- Most trainings are online and open to everyone in the region
- 2024 training schedule is posted at [boccentral.org/training/](https://boccentral.org/training/):
  - [BOC Level I online. February 13 - May 15, 2024](#). Tuesdays and Wednesdays from 1-4pm
  - [BOC Level I online. March 5 - June 5, 2024](#). Tuesdays and Wednesdays from 9am-12pm
  - [BOC Level I in-person in Chicago. May 9 - August 8, 2024](#). Thursdays and one Friday from 8:30am-4:30pm
  - [BOC Level I online. June 5 - August 29, 2024](#). Wednesday and Thursdays from 8-11am
  - [BOC Level I Multifamily online. July 30 - October 30, 2024](#). Tuesdays and Wednesdays from 1-4pm
  - [BOC Level II online. October 1 - December 11, 2024](#). Tuesdays and Wednesdays from 9am-12pm
  - BOC Level I online. Check back soon for dates for a fall training series



MANY GRADS RECEIVE PROMOTIONS, RAISES OR BONUSES AFTER BOC

- Contact us with questions: [boc@mwalliance.org](mailto:boc@mwalliance.org) or 855.420.1785

**REGISTER  
NOW**

**2024**  
**MIDWEST**  
**ENERGY**  
**SOLUTIONS**  
**CONFERENCE**

**Chicago, IL | January 30 - February 1**

