

Now What?

- Do you feel confused
- Frustrated
- Overwhelmed

I do



What we know

- A 60% reduction by 2031 is the goal
 - Organization leadership and stakeholders are mandating similar goals most by 2030
- A 20% reduction seems to be the near-term threshold
- Reporting will be starting in 2025, Covered Buildings 35,000 sf. (25K)
- The baseline year has yet to be set
 - 2015, 2020 (Law/Act is 2006)

Focus on near term

- A 20% reduction is achievable
- You may be there when compared to your 2015 Greenhouse Gas Emissions Tons CO₂e
- Organizations are achieving 60% by implementing projects and programs
 - Renewable energy
 - Advanced technology reductions
- Focus on 100% after 2031

What You Need to Know

- Green House Gas Emissions
 - 20% Reduction Requirement by 2025
 - 60% Reduction Requirement by 2031
- Energy Use Intensity Reduction
Goal to meet BEPS
- Potential for full Electrification
Conversion by 2031
 - Can you eliminate Fossil Fuels to include natural gas

Get Prepared

- Collect monthly invoices to include cost and consumption data for all energy sources
 - 2015
 - 2020, 2021, 2022
 - 2023 to date
- Calculate consumption conversions to BTU

Reporting Data Requirements

- Green House Gas Emission CO₂_e Tons for each reporting period
- Energy Utilization Index
- Source Energy Index
- Site Energy Index
- Potentially: Energy Star Portfolio Manager Score

Energy Star Portfolio Manager Program

- US EPA Energy Star Portfolio Manager Program will calculate the requested reporting data.
- Becoming the standard for Benchmarking Reporting
- County, State, and Federal reporting requirements are in development and are requiring reporting using Energy Star Portfolio Manager Program
- Take the time now to get ready to report the base data starting in 2025

Energy Star Portfolio Manager Program

 **ENERGY STAR®**
PortfolioManager®

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John L Moore Building
287 17th Street, Oakland, CA 94612 | [Map It](#)
Portfolio Manager Property ID: 1242195
Year Built: 1960
[Edit](#)

 [Not eligible to apply for ENERGY STAR Certification](#)

ENERGY STAR Score (1-100)
Current Score: 100
Baseline Score: [N/A](#)

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Notifications (1)
 Congratulations! [John L. Moore Building](#) has received the [ENERGY STAR](#) for 2015
[Clear](#)

Property Profile
 Green / Energy Efficient Features Specified in kW's New Home *
Overall Lighting Power Density of 0.89 W/sf (EA-1.1) * Daylight / Views from 90+-% of workspaces (IEQ 8.1, 8.2,...)
[View Published Profile](#) (approved on 06/15/2015)
[View Unpublished Profile](#) (reviewed and not approved on 04/18/2008)
[Edit Profile](#) [Delete Profile](#)

Source EUI Trend (kBtu/ft²)
60

Metrics Summary [Change Time Period](#)

Metric	Baseline (Jan 2011)	Current (Mar 2015)	Change
ENERGY STAR score (1-100)	Not Available	100	N/A
Source EUI (kBtu/ft²)	Not Available	35.4	N/A
Site EUI (kBtu/ft²)	Not Available	18.4	N/A
Energy Cost (\$)	10,948.46	13,201.46	2253.00(20.6%)
Total GHG Emissions (Metric Tons CO2e)	29.7	23.6	-6.1(-20.5%)

Check for Possible Data Errors
Run a check for any 12-month time period to see if there are any possible errors found with your data.
[Check for Possible Errors](#)

Sharing this Property
9 People Have Access to this Property

Name	Permissions	Action
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Energy Star Portfolio Manager Program

- The Energy Star Portfolio Manager Program data can be used to determine **Reduction Goals**
 - Green House Gas Emissions Tons CO₂e
 - Energy Utilization
 - Energy Star Portfolio Manager Score
 - Source Energy Index
 - Site Energy Index



Energy & Sustainability
Management Consultants

Develop a Multi-Year Sustainability Plan

Where are you now? 5%, 15% or more

Identify **Projects and Program** to achieve the 20% goal with the **Investment Cost** for management review over the next 12 months

The additional 40% will become clearer



Element of a Sustainability Plan

- **Energy Conservation & Efficiency**
- **Renewable Energy & Distributed Generation Applications**
- **Green House Gas Emissions Source Reduction**
- **Domestic Water Use Reduction**
- **Solid and Recycling Waste Volume Reduction**
- **Storm Water Mitigation**
- **Habitat Preservation**
- **Research New Technology**

What I have learned over the past 50 years

- Implementing a **Comprehensive Sustainability Program**
 - Reduce operating costs
 - Provide a competitive benefit to your organization in the market place
 - Improved the quality of the life for humans and habitats

Sustainability

The Path to a Healthy Bottom Line

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