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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 $CO2_e$
- 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

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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

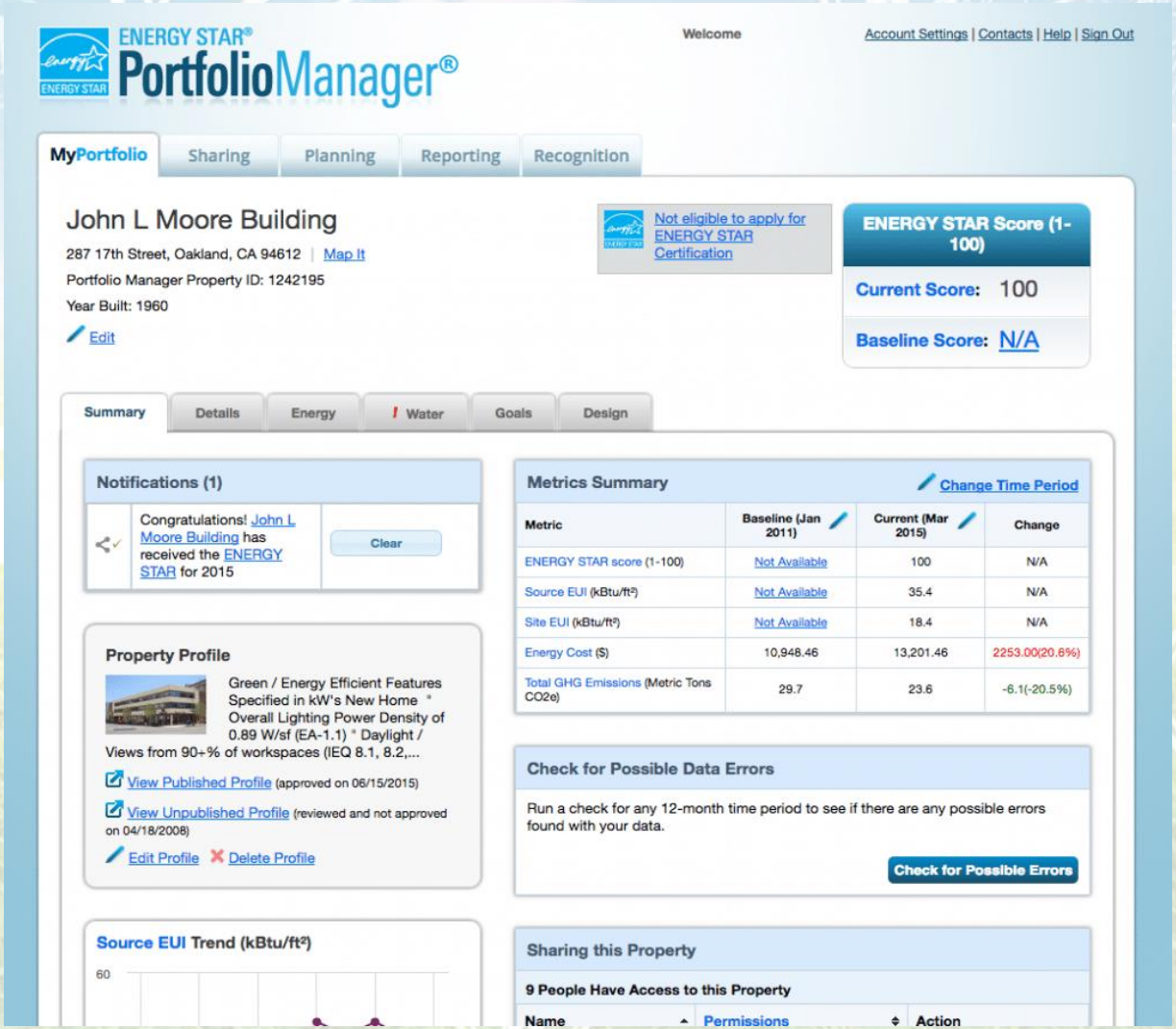
Reporting Data Requirements

- 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 Portfolio Manager Program

- The Energy Star Portfolio Manager Program data can be used to determine **Reduction Goals**
  - Green House Gas Emissions Tons $CO2_e$
  - Energy Utilization
  - Energy Star Portfolio Manager Score
  - Source Energy Index
  - Site Energy Index

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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

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Sustainability
The Path to a Healthy Bottom Line