WELCOME

Clean Buildings Symposium

February 23, 2024

MacDonald-Miller FACILITY SOLUTIONS®

Opening Remarks

Jen Tetatzin
Pierce County
Director of Planning &
Public Works

Kristina Walker
Tacoma Council
Member,
At-Large Position 8

Tacoma-Pierce County Climate Efforts

Ryan Dicks
Pierce County
Sustainable Resources
Division Administrator

Kristi Lynett
City of Tacoma
Sustainability Officer

PLANNING & PUBLIC WORKS

02/23/2024

Pierce County – Building Sustainability

Ryan Dicks, Sustainable Resources Administrator

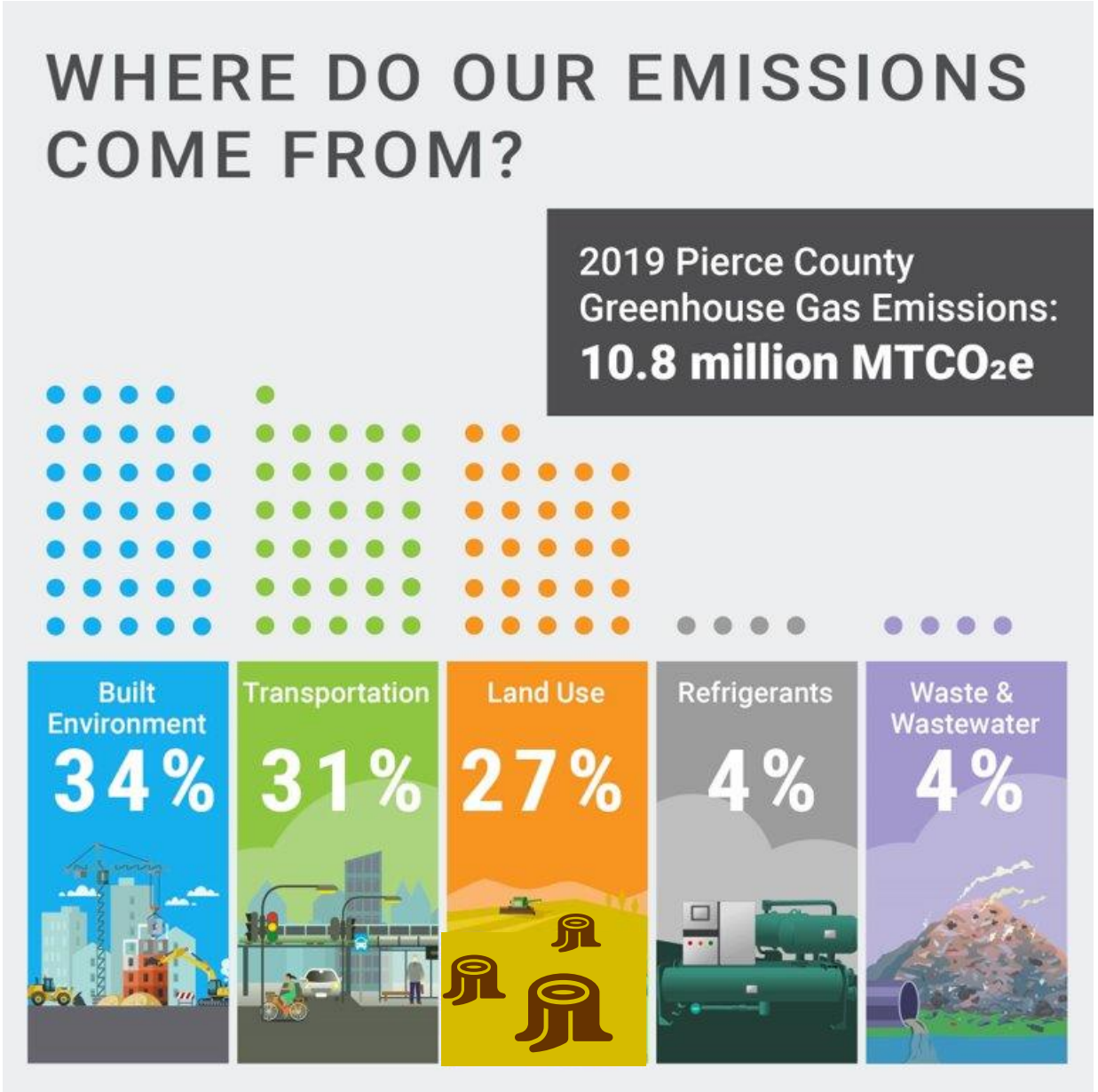
Ryan.Dicks@piercecountywa.gov

(253) 798-8603

Sources of Greenhouse Gas (GHG) Emissions

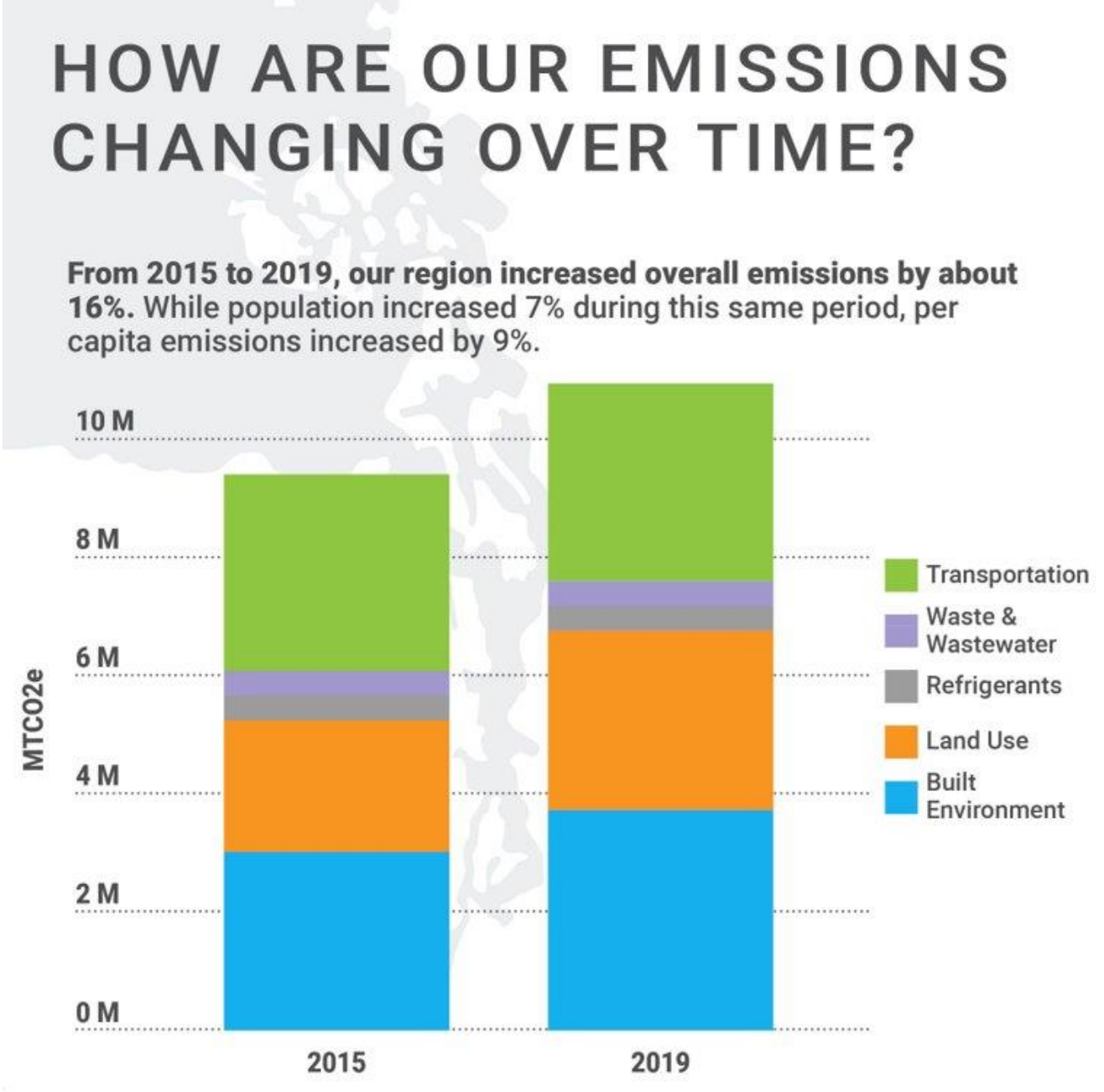
Where our communitywide human-generated emissions come from

Pierce County Communitywide GHG Emissions



Pierce County Communitywide GHG Emissions

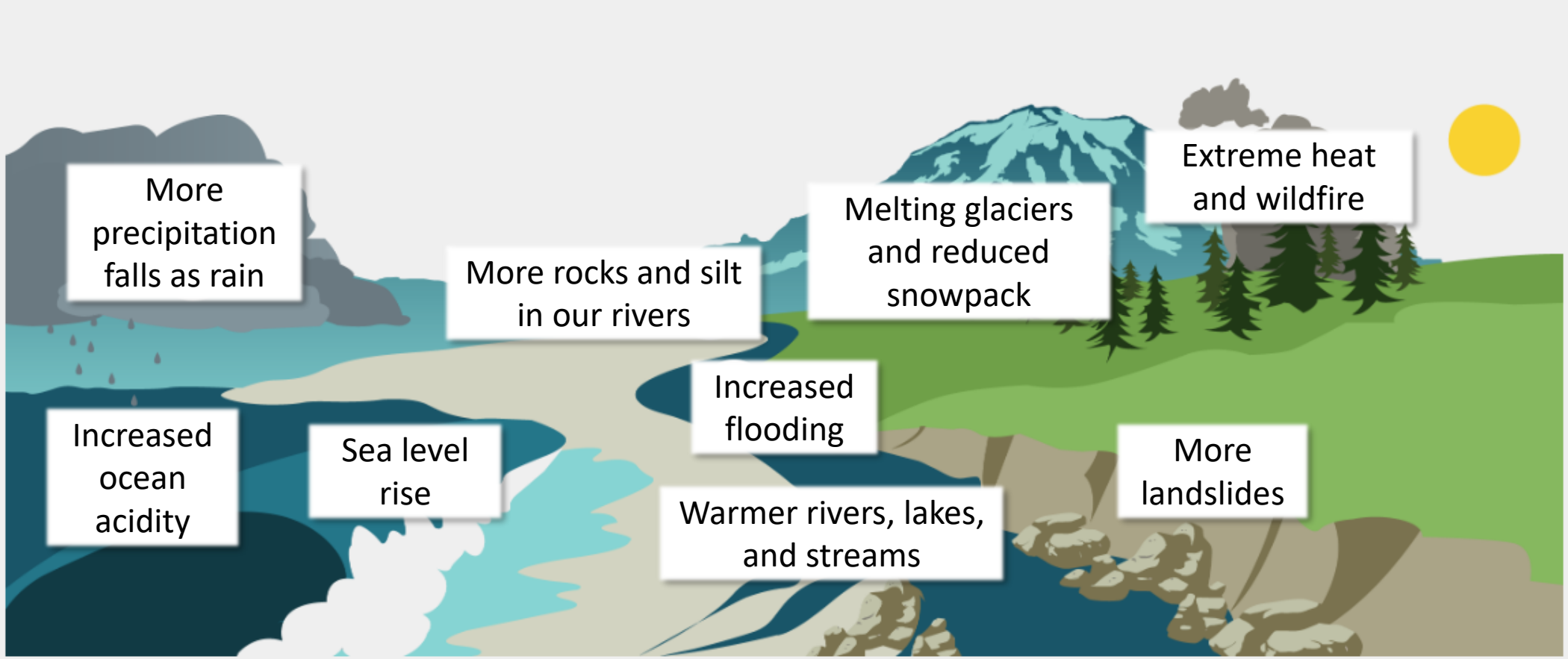
- Building emissions are the fastest growing sector and increased the most from 2015-2019



Community Burdens

Rising Greenhouse Gas emissions are affecting where we live, work, and play

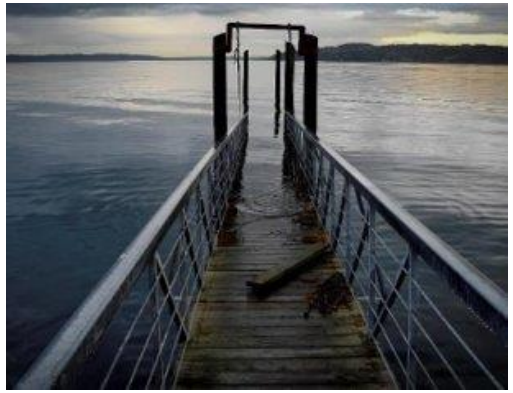
Local Effects of Climate Change



Local Climate Impacts

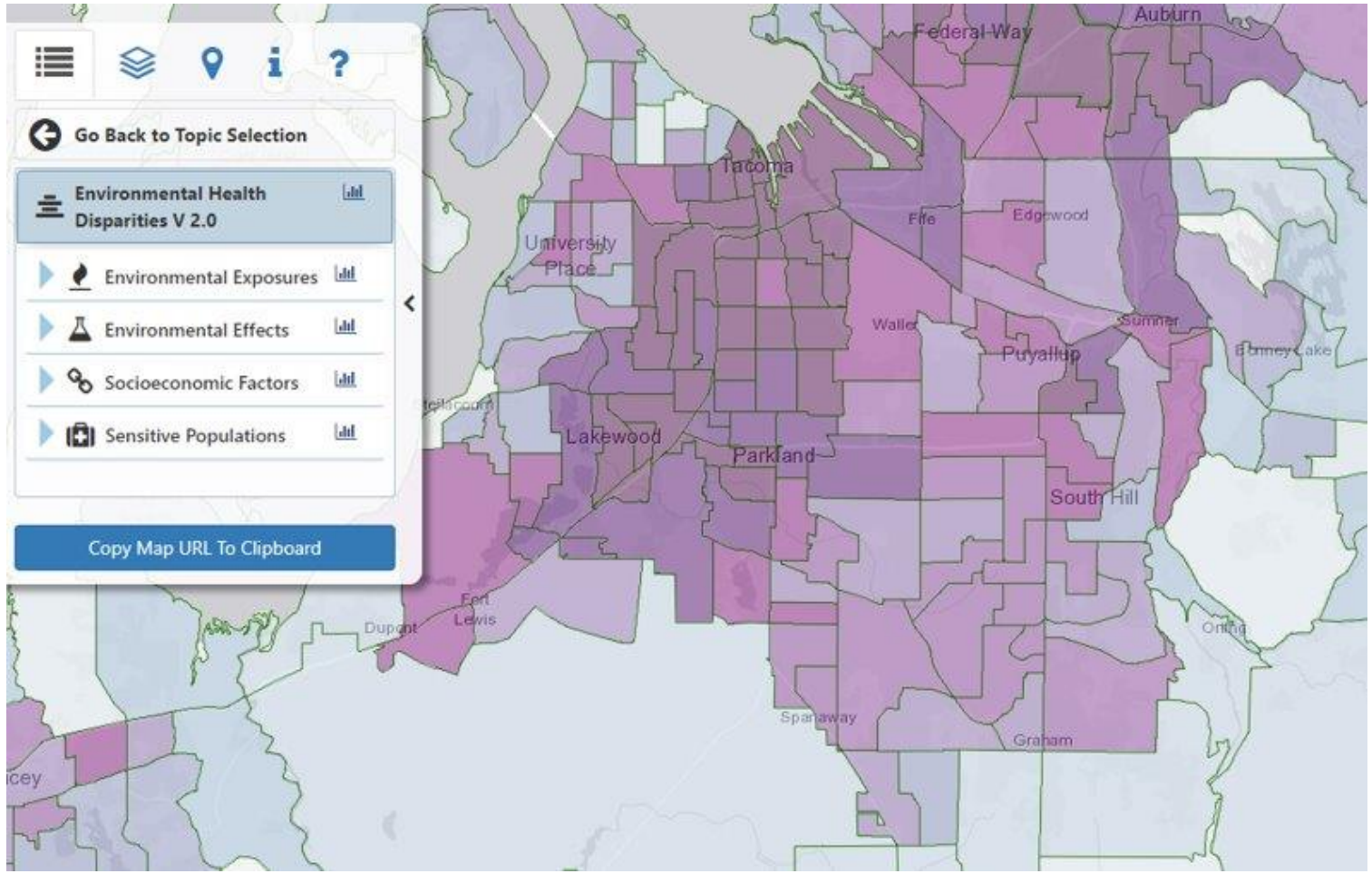




Unequal Impacts

- Existing health and economic disparities
- Inequitable distribution of resources to respond to or recover from climate impacts

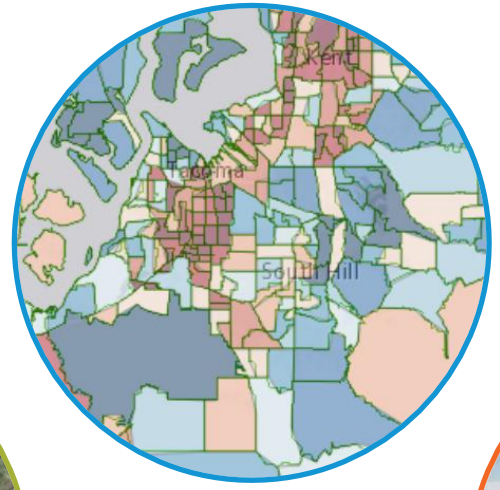


Washington Department of Health Environmental Health Disparities Map

Co-Benefits of GHG Reduction

Economic benefits

Enhance public health



Promote equity

Improve air quality

Improve water quality

Pierce County's Sustainability 2030 Plan

Our commitment to reducing emissions and protecting communities

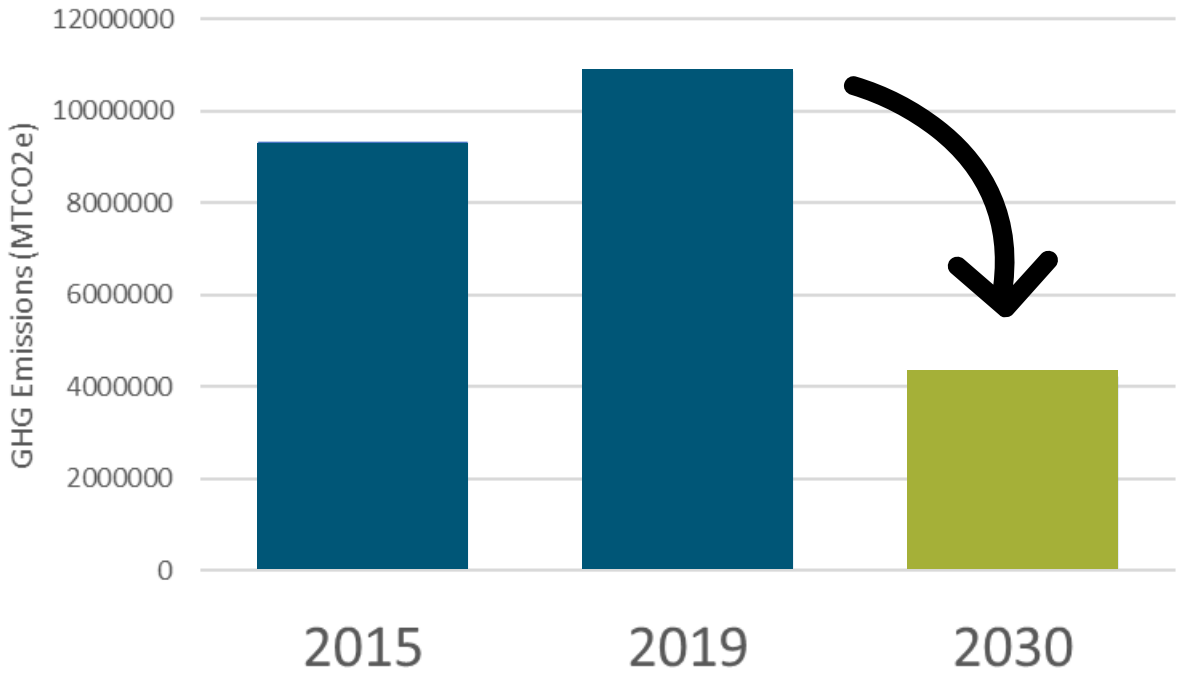
Sustainability 2030 Plan

Developed in 2020

Signed in April 2021

Updated in 2023

Goal: 45% GHG Reduction by 2030



Focus Areas

Community Actions

Energy & Built Environment

Transportation

Waste Reduction

Nature-based Climate Solutions

Education & Outreach

Growing Community Capacity

Municipal Actions

County Buildings & Fleet

Commute Trip Reduction

County Waste System

Education & Equitable Practices

Reducing Building Emissions

Energy & Built Environment Actions

- Maximizing renewables
- Advancing C-PACER Program
- Promoting IRA rebates to Pierce County residents

County Building & Fleet Actions

- Implementing the Electric First Policy
- Maximizing electrification and reducing fuel use
- Improving efficiency by planning and funding needed infrastructure

C-PACER

Commercial Property Assessed Clean Energy and Resiliency

C-PACER financing can help properties meet Clean Buildings Standard requirements

Eligible property types

- Commercial
- Industrial
- Agricultural
- Multi-family

Qualified improvements

- Meets or exceeds energy code
- Meets or exceeds Clean Building Standard
- Reduces energy purchased or GHG emissions by 20%
- Replaces fossil fuel equipment with electric alternatives

➢ Available for new construction and retrofit projects

➢ Visit PierceCountyWA.gov/C-PACER for more information

Pierce County Compliance

Meeting the Clean Building Standard

1 **Tier 1 Buildings (≥50,000 square feet)**

- Seven buildings totaling 1.35 million square feet
- Compliance deadlines range from 2026-2028
- Four buildings already meet EUI targets

2 **Tier 2 Buildings (20,000-49,999 sqft)**

- Nine buildings totaling 242,000 square feet
- June 2027 compliance deadline
- Maintenance & Operations and Energy Management Plans only

TACOMA COMMERCIAL BUILDINGS

CLIMATE ACTIONS

CITY OF Tacoma

DIFFERENT BUT RELATED GOALS

CBPS

- Energy Efficiency
  - Energy/Sq Ft
- Fuel agnostic

Decarbonization

- Electrification
- Whole building approach

New construction vs. Existing retrofits

DECARBONIZATION RESOLUTION # 40776

1. Requires all new municipal buildings and major renovations to exclude fossil fuels
2. Inventory existing facilities and evaluate feasibility for non fossil fuel retrofits
3. Develop plan to install EV charging at all City facilities
4. Prioritize zero emission fleet vehicle purchases
5. Develop impact assessment of requiring non-fossil fuel sourced heating, lighting, and power in new commercial and residential development in the City
6. Encourage other local entities, such as the County, school districts, and major institutions, to join in this step to invest in clean energy assets by adopting similar policies

April 2021

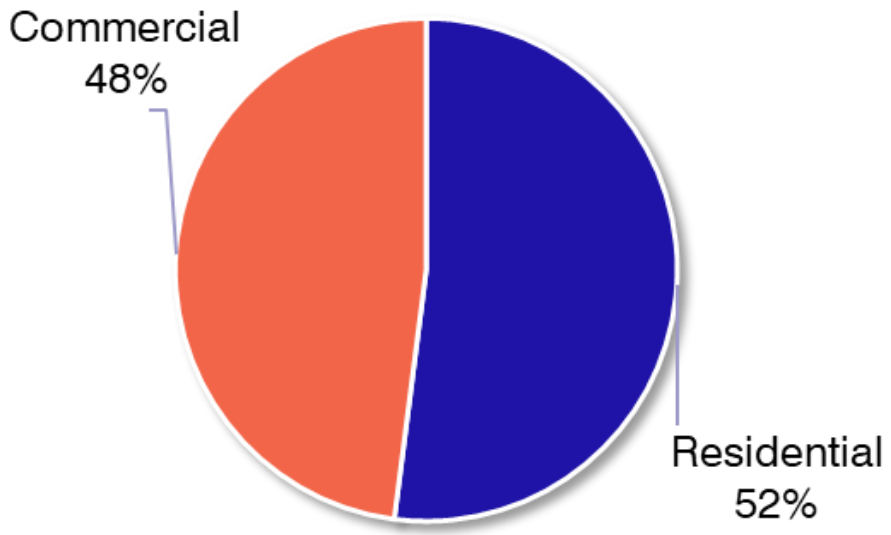
MUNICIPAL FACILITY ACTIONS

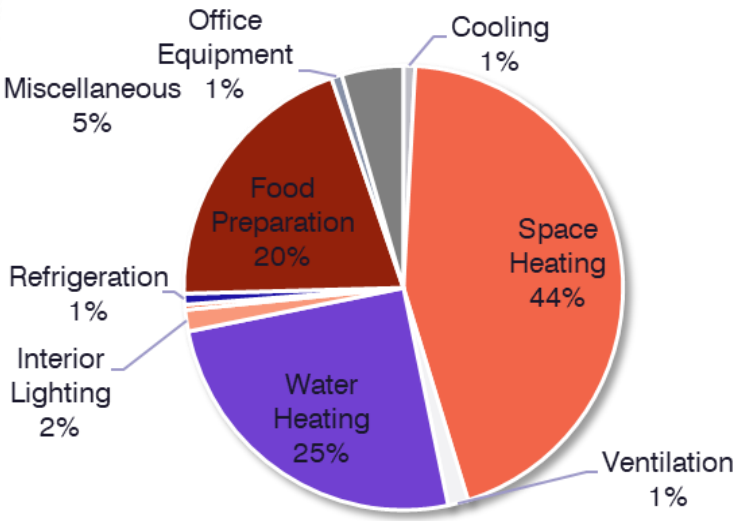
CITY OF TACOMA'S CBPS PROPERTIES

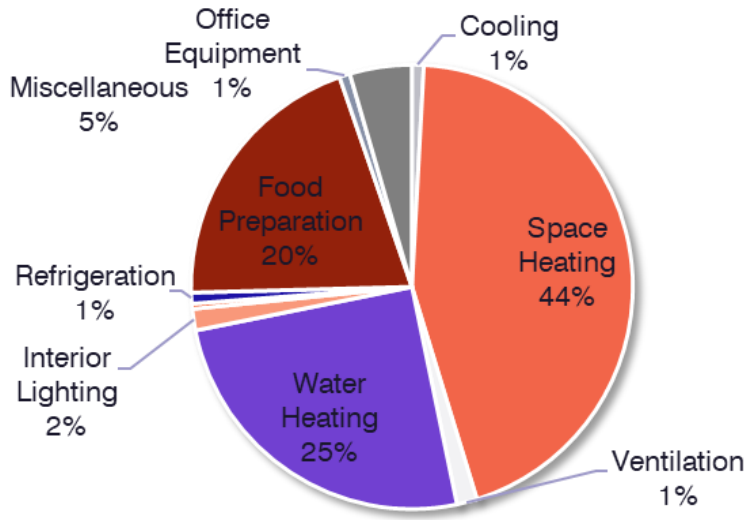
PROPERTY NAME	DEPT	2019 EUI	EUI TARGET	EUI ABOVE / BELOW TARGET	COT BENCHMARK START DATE
Center for Urban Waters	ES	74	90	-16	June 2027
Tacoma Municipal Building (garage GFA excluded)	PW	57	66	-9	June 2026
Police Warehouse includes Fleet Services	PW	36	66	-30	June 2026
Police Headquarters	PW	117	72	45	June 2027
Tacoma Main Library	TPL	50	62	-12	June 2026
Tacoma Dome	TVE	69	74	-5	June 2025
Convention Center, Greater Tacoma	TVE	51	74	-23	June 2025
Cheney Stadium	TVE	1	40	-39	June 2026
Theater complex: 1 Pantages+Jones+TOTS	TVE	50	59	-9	June 2026

COMMUNITY ACTIONS

TACOMA'S BUILDING GHG EMISSIONS







COMMUNITY ACTION ITEMS

Residential Performance Disclosure	Neighborhood Scale Implementation
State Energy Code & Performance Standard	Collaboration Framework
State/Regional Zero Emission Appliance Standard	Increase Staffing & Contracts
State/Federal Incentives	Partner with Tacoma Power & PSE
Complementary Utility Programs	Targeted Market Development
Low to No Cost Low Income Programs	Community Engagement
Targets & Milestones with Outreach	Reduce Installation Costs

NEXT STEPS & OPPORTUNITIES

- Tacoma focus for Elevate WSU CEEP multifamily retrofit pilot
- Regional navigator website (residential & small businesses)
- EPA grant funding for MF and small business retrofits

With future funding

- Expansion of TPU Income Qualified Rental Program (1-4 units)
- Small commercial retrofit program

Elected Officials Forum

Andy Kaplowitz
Moderator

Commissioner
Kristin Ang
Port of Tacoma

Council Chair
Ryan Mello
Pierce County

Council Member
Jeni Woock
City of Gig Harbor

Mayor
Jason Whalen
City of Lakewood

Council Member
Kristina Walker
City of Tacoma

10 Min Break

Reminder:

This Event Qualifies for Continuing Education Hours for Real Estate Professionals

See Justin Wallander (BOMA) for Details

Submit Your Questions

Clean Buildings Act & Performance Standards

Emily Salzberg
Buildings Unit Managing Director
Department of Commerce

Washington State Department of Commerce

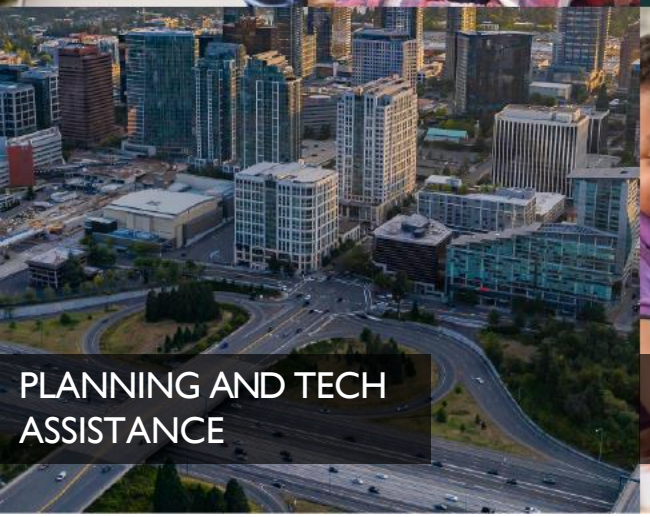
Clean Buildings Performance Standard

Presenters

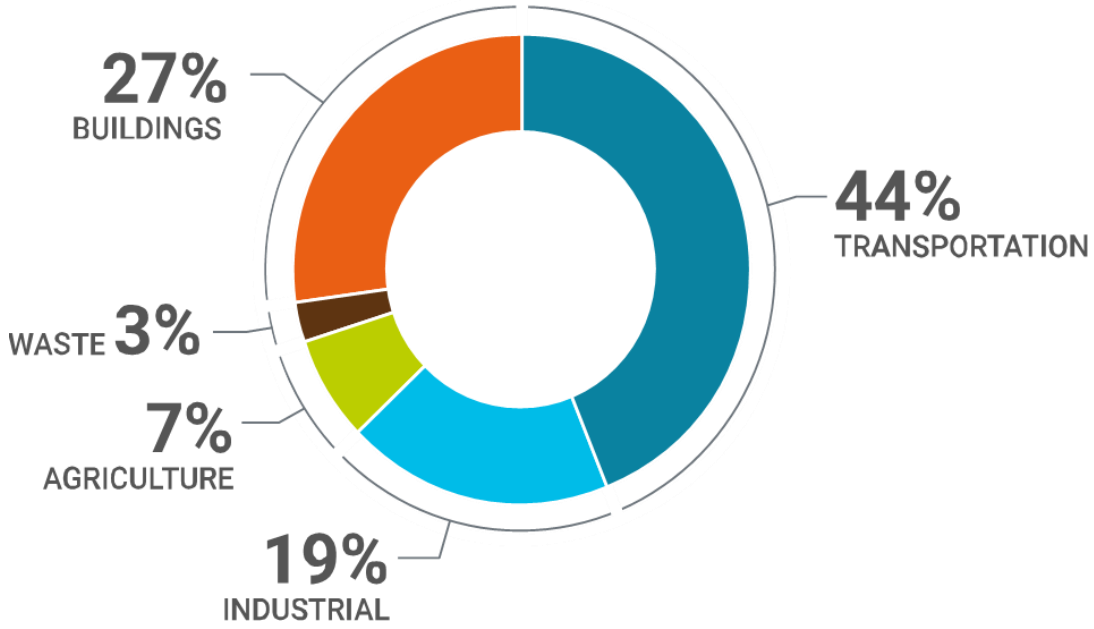
EMILY SALZBERG

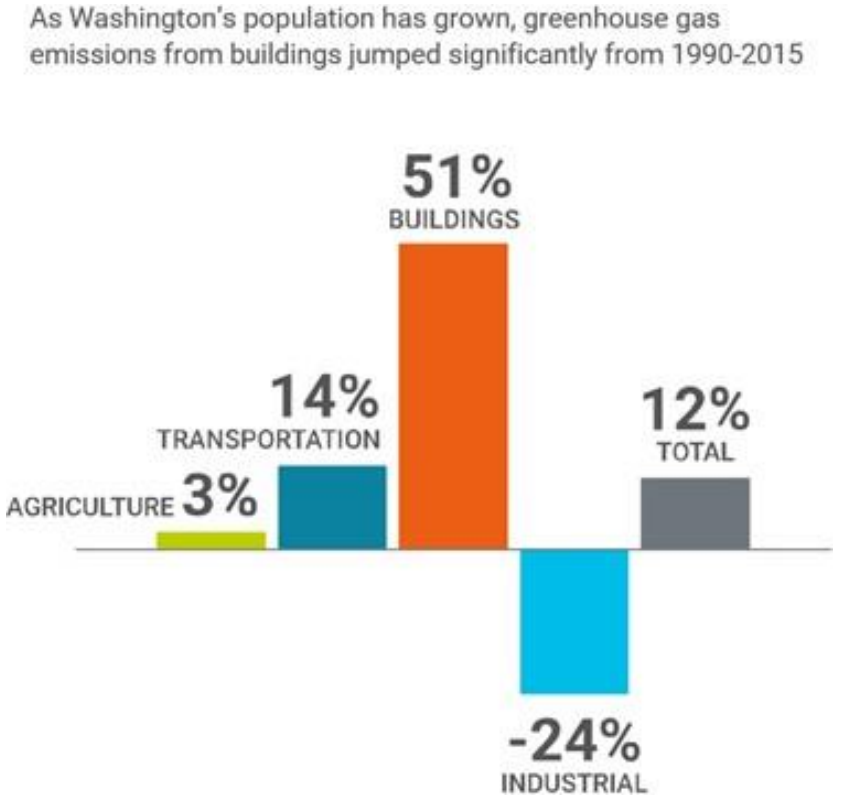
9/28/2023

We strengthen communities



Reducing emissions from existing buildings





Clean Buildings Performance Standard

- Site based Energy Use Intensity (EUI)
- Based on ASHRAE Standard 100-2018
- WAC 194-50 – Rules for compliance and administrative requirements.
  - Amendment to Standard 100
- Tier 1 Buildings
  - Buildings over 50k sq ft excluding parking
- Tier 2 Buildings
  - Buildings between 20 and 50,000 square feet
  - Multifamily over 20,000 square feet

Commerce charged with:

- Rulemaking
- Notifying building owners
- Administering incentives
- Supporting mandatory compliance

Tier I Basic requirements

- ✓Benchmarking
- ✓Implementation of an Operations and Maintenance program and Energy Management Plan
- ✓Compliance with an energy performance metric
  - Energy use intensity target met

    Or
  - Energy Audit and implementation of cost effective energy efficiency measures

Tier 2 Basic requirements

- ✓Benchmarking
- ✓Operations and Maintenance program
- ✓Energy Management Plan

**not a performance standard at this point in time*

Compliance and Reporting Schedule

A building owner of a tier 1 building must meet the following reporting schedule for complying with the standard and every five years thereafter:

Tier 1 - Buildings more than 220,000 gross sq. ft, June 1, 2026

Tier 2 - Buildings more than 20,000 – less than 50,000 gross sq. ft, June 1, 2027

Tier 1 - Buildings more than 90,000 – less than 220,001 gross sq. ft, June 1, 2027

Tier 1 - Buildings more than 50,000 – less than 90,001 gross sq. ft, June 1, 2028

Example Timeline- 220k sq. ft. building (Tier 1)

TASK	2022	2023	2024	2025	2026
Portal access and data confirmation					
Initial Benchmarking and account set up	Benchmark using 12 consecutive months of energy data				
Energy Audit (if applicable)	By Jan 2023				
Planning, budgeting and implementing EEMs	6-18 months, must be complete by mid 2025				
EMP and O&M Development & Implementation	Ongoing, must be complete by July 2025				
Measurement and verification	Minimum of12 months data, must be complete prior to compliance date				
Conditional Compliance (if applicable)	Shall be applied for no later than 180 days prior to compliance date				
Compliance Date	*Compliance date for buildings greater than 220k sq. ft. is Jun 1, 2026				

Variable timeline Minimum timeline Compliance Date

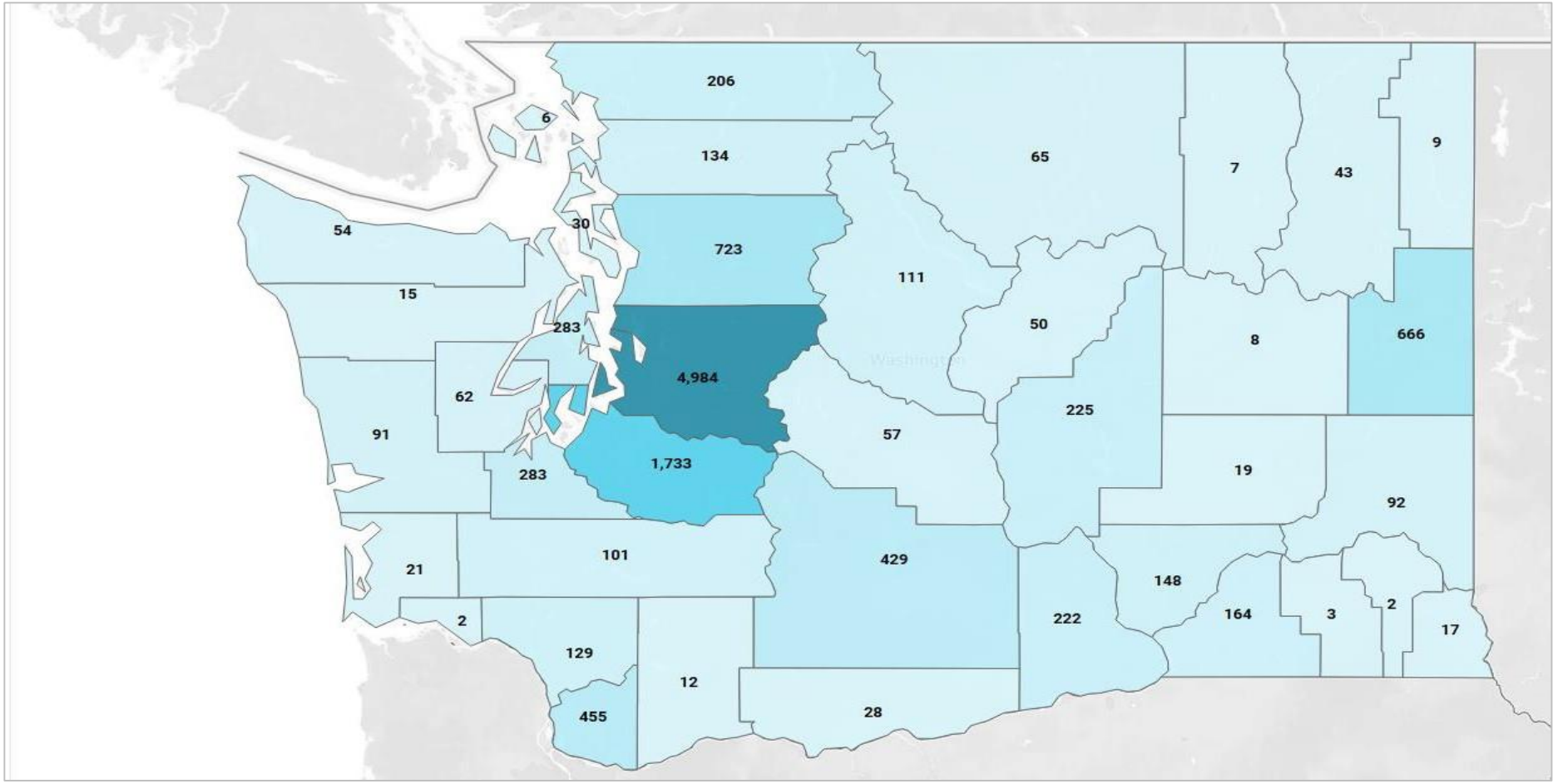
*Initial compliance dates in accordance with Section Z3.1 of the standard and every five years thereafter.

Compliance through exemption

Buildings which qualify for the following conditions can receive an exemption from meeting average energy use intensity targets:

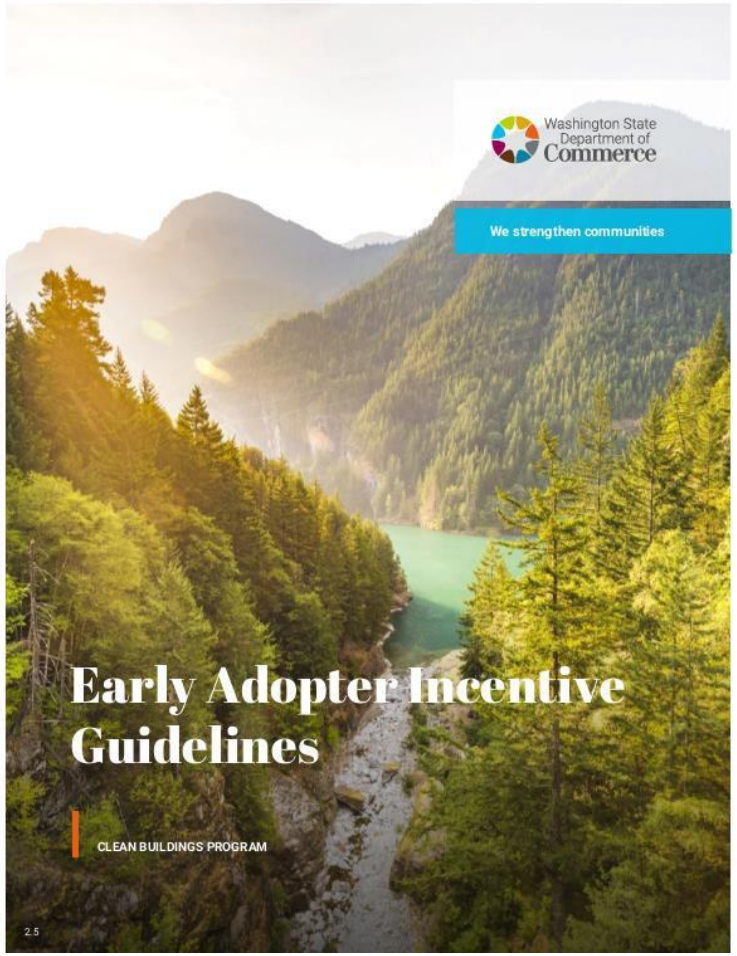
- Mostly unoccupied or vacant buildings
- Unconditioned buildings
- Buildings primarily used for manufacturing or other industrial purposes
- Agricultural structures
- Buildings pending demolition
- Buildings that meet the conditions of financial hardship

Tier I covered buildings by county



Early Adopter Incentive Program

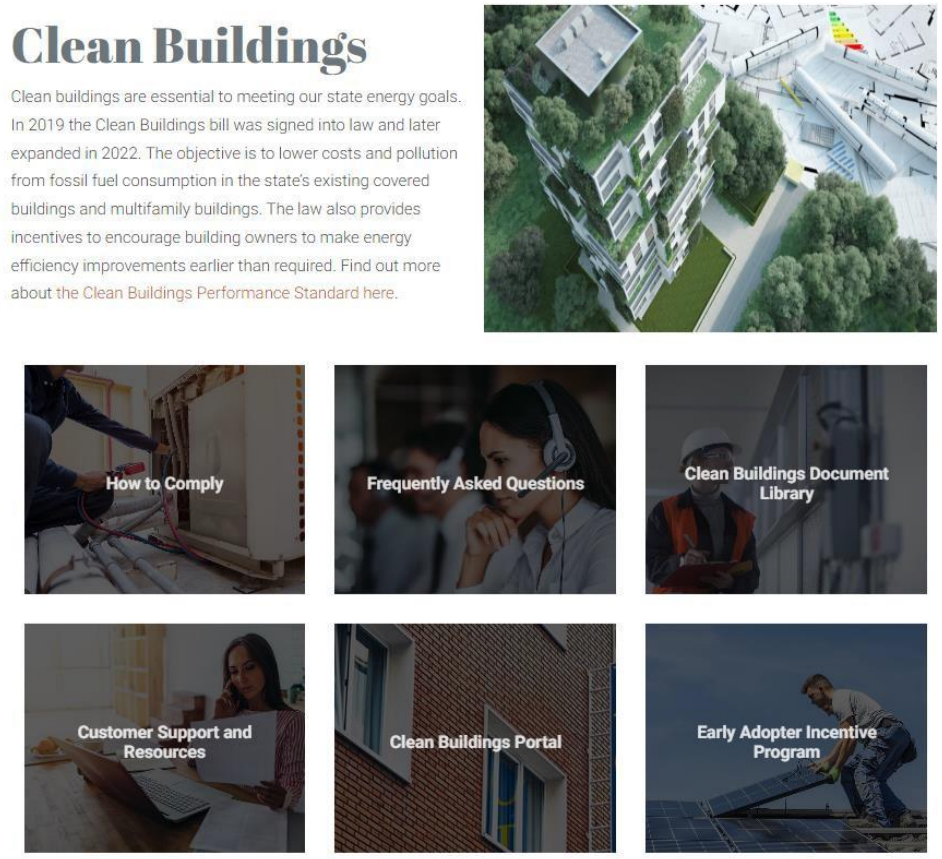
- Incentivizes high energy users
- Incentive funds are limited to $75 million
- $.85 cents per gross square foot
- Equity and inclusion:
  - Rural communities
  - Multifamily affordable housing
- Tier 2 incentive coming 2025



No-Cost Support

- ✓ Clean Buildings Team
- ✓ Utility Providers
  - Accelerator Programs
- ✓ Smart Building Center/NEEC
  - Help Desk
- ✓ Energy Star Portfolio Manager
  - Customer Support
  - Live and recorded training session

Clean Buildings Webpage



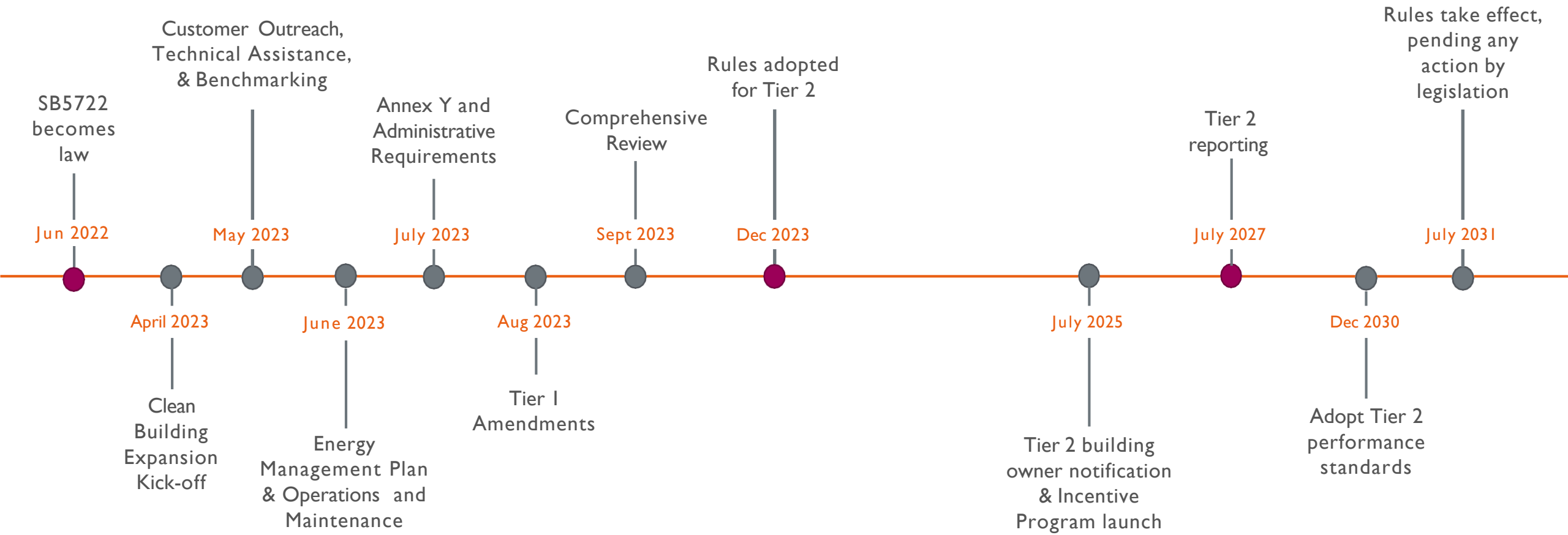
- How to Comply
- Frequently Asked Questions
- Guidance Document Library
- Customer Support and Resources
- Early Adopter Incentive Program
- Clean Buildings Portal
- Customer Support Form

Website: https://www.commerce.wa.gov/buildings/

Clean Buildings Portal

- View and verify parcel/building information
- Manage roles and authorized users to work on parcel/building profile
- Submit applications
- Submit compliance forms
- Track compliance requirements
- Check on the status of applications
- Make changes to account information

Tier 2 Timeline



Washington State Department of Commerce

www.commerce.wa.gov

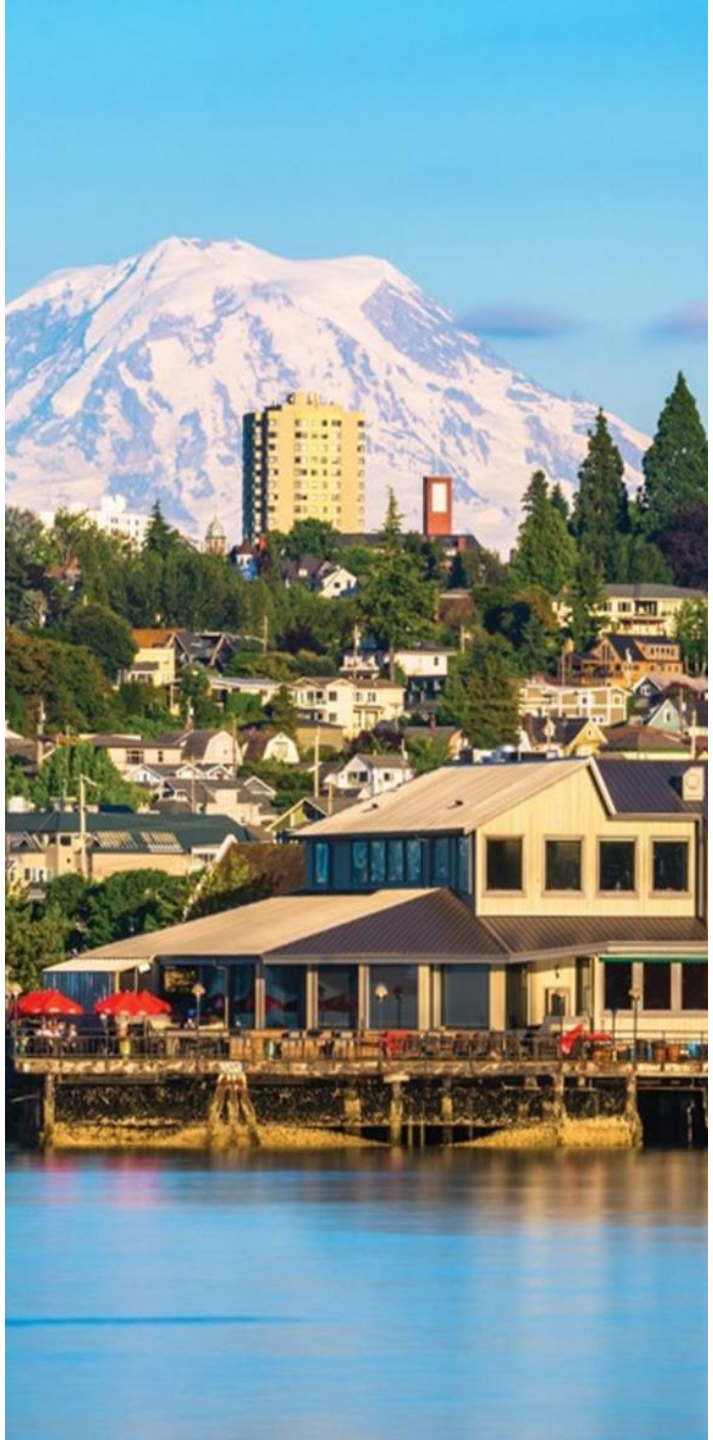
Thank You!

www.commerce.wa.gon/buildings

buildings@commerce.wa.gov

360-725-3105

Submit Your Questions



ESPM & Benchmarking

Anne Larrabee
Conservation Data Analyst
Tacoma Power

Ian Tachibana
Energy Management Engineer
Puget Sound Energy

CONNECTING TO ENERGY STAR PORTFOLIO MANAGER

With

Anne Larrabee | Tacoma Power
Ian Tachibana | Puget Sound Energy

AGENDA

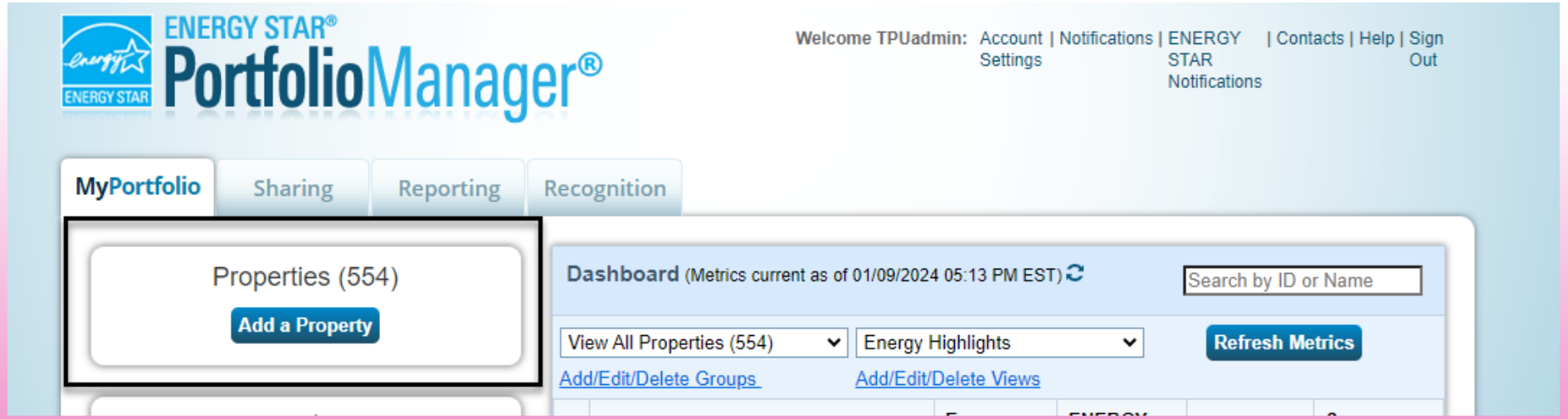
- How to Get Started in Energy Star Portfolio Manager (ESPM)
- The benefits of ESPM
- How to Connect to Tacoma Power
- How to Connect to Puget Sound Energy

HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. Connect your building and meter to your utility

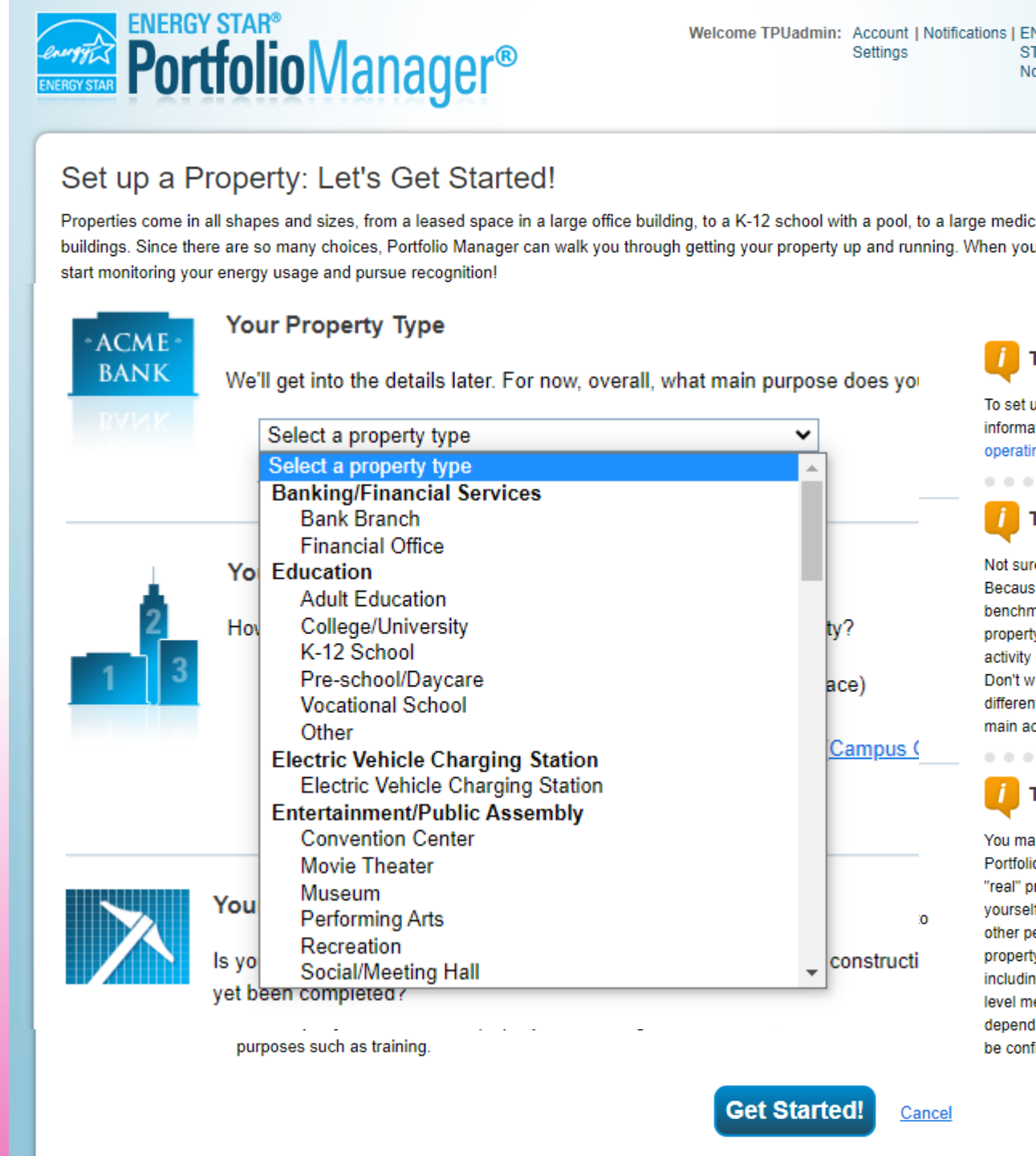
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. **Add your building details**
3. Add your meter details
4. Connect to your utility contact
5. Connect your building and meter to your utility



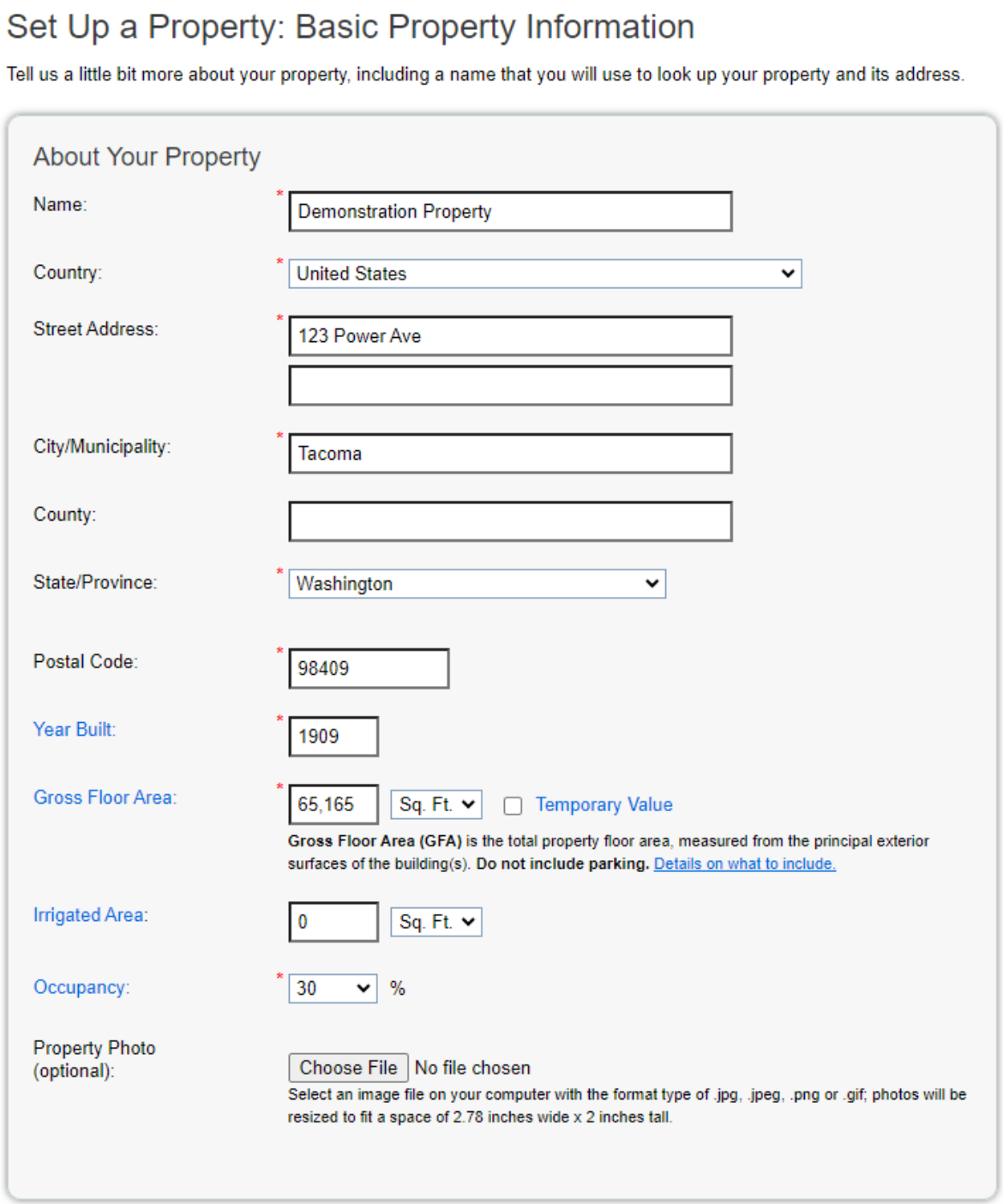
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. Connect your building and meter to your utility



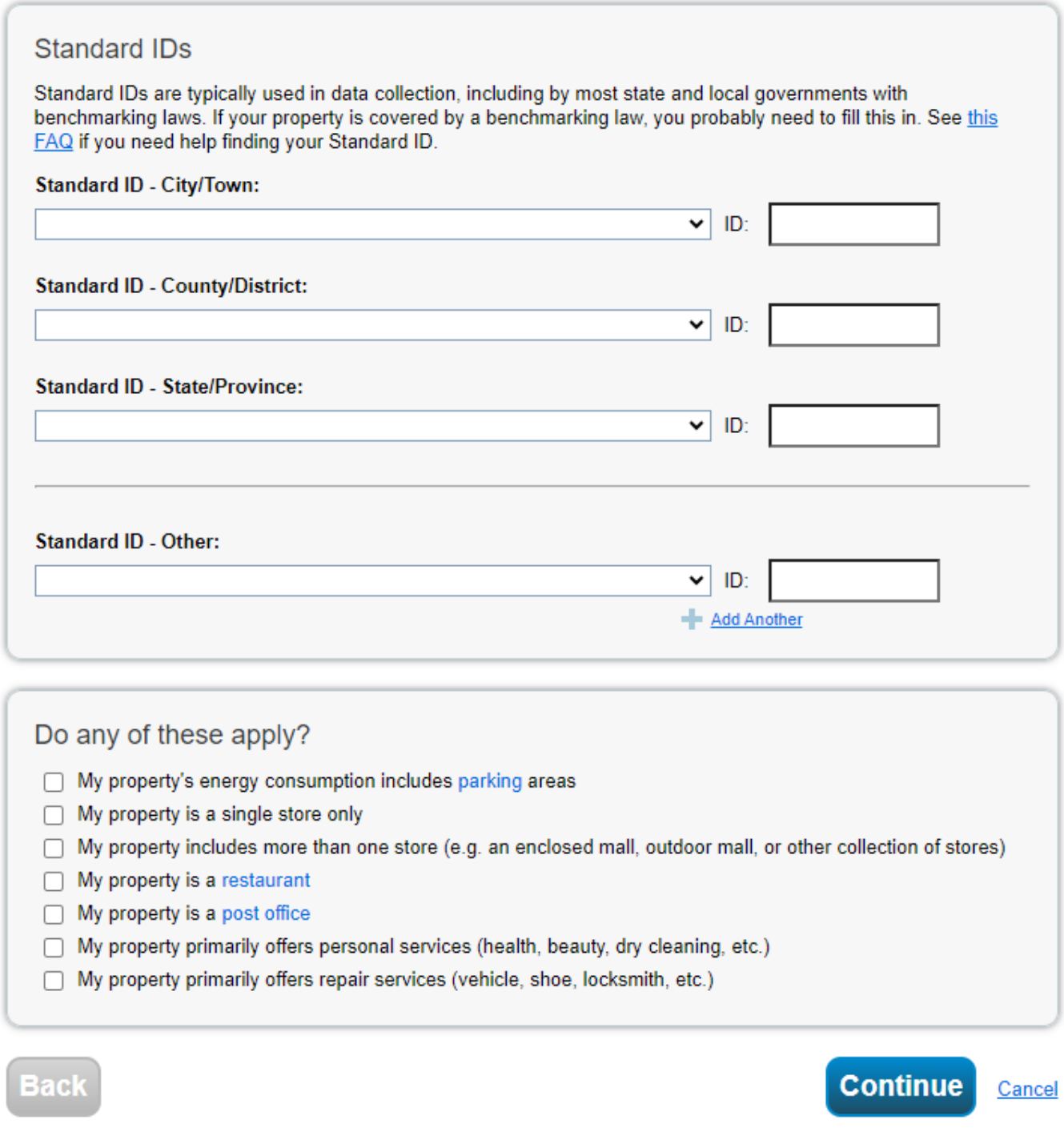
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. **Add your building details**
3. Add your meter details
4. Connect to your utility contact
5. Connect your building and meter to your utility



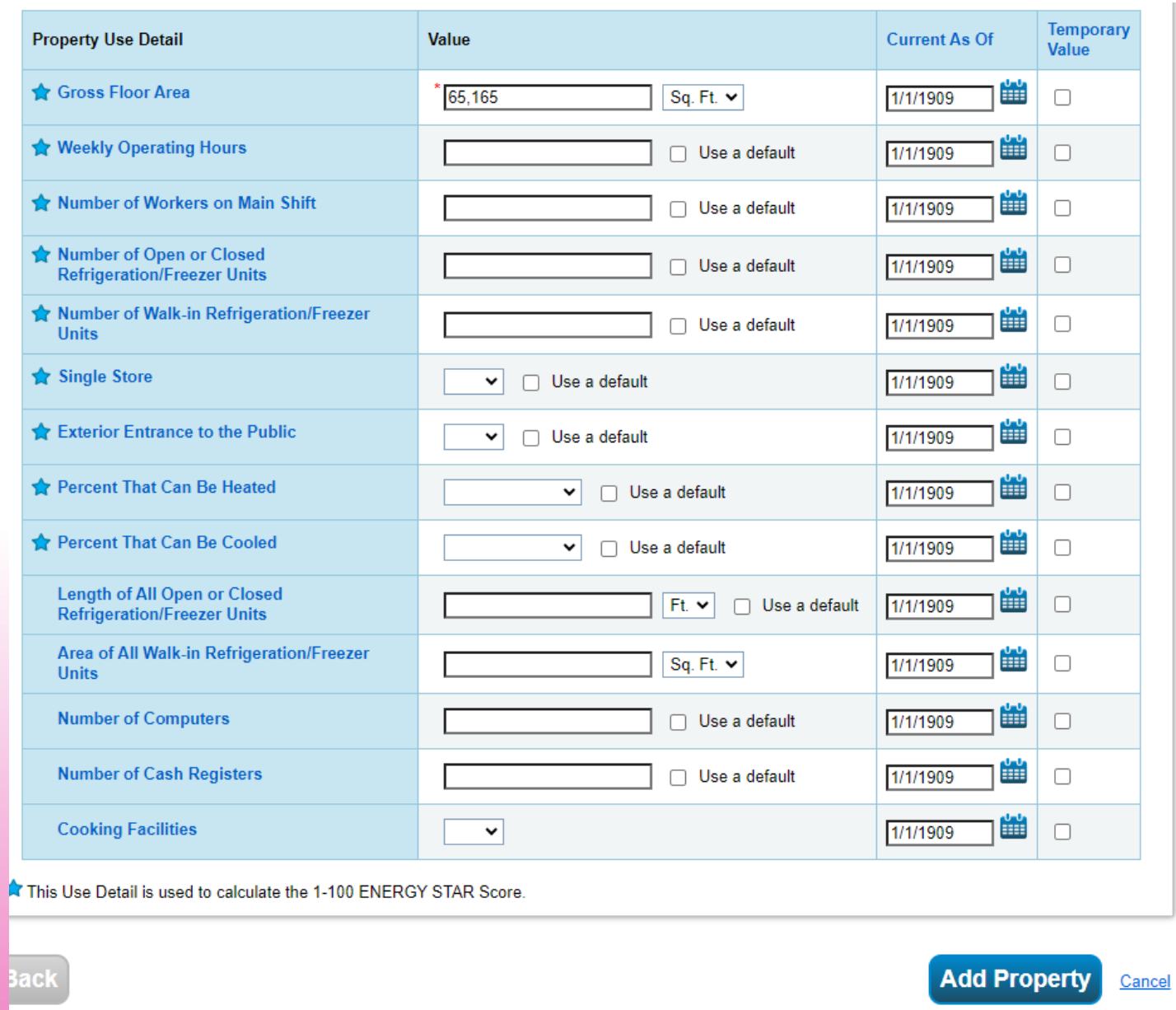
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. **Add your building details**
3. Add your meter details
4. Connect to your utility contact
5. Connect your building and meter to your utility



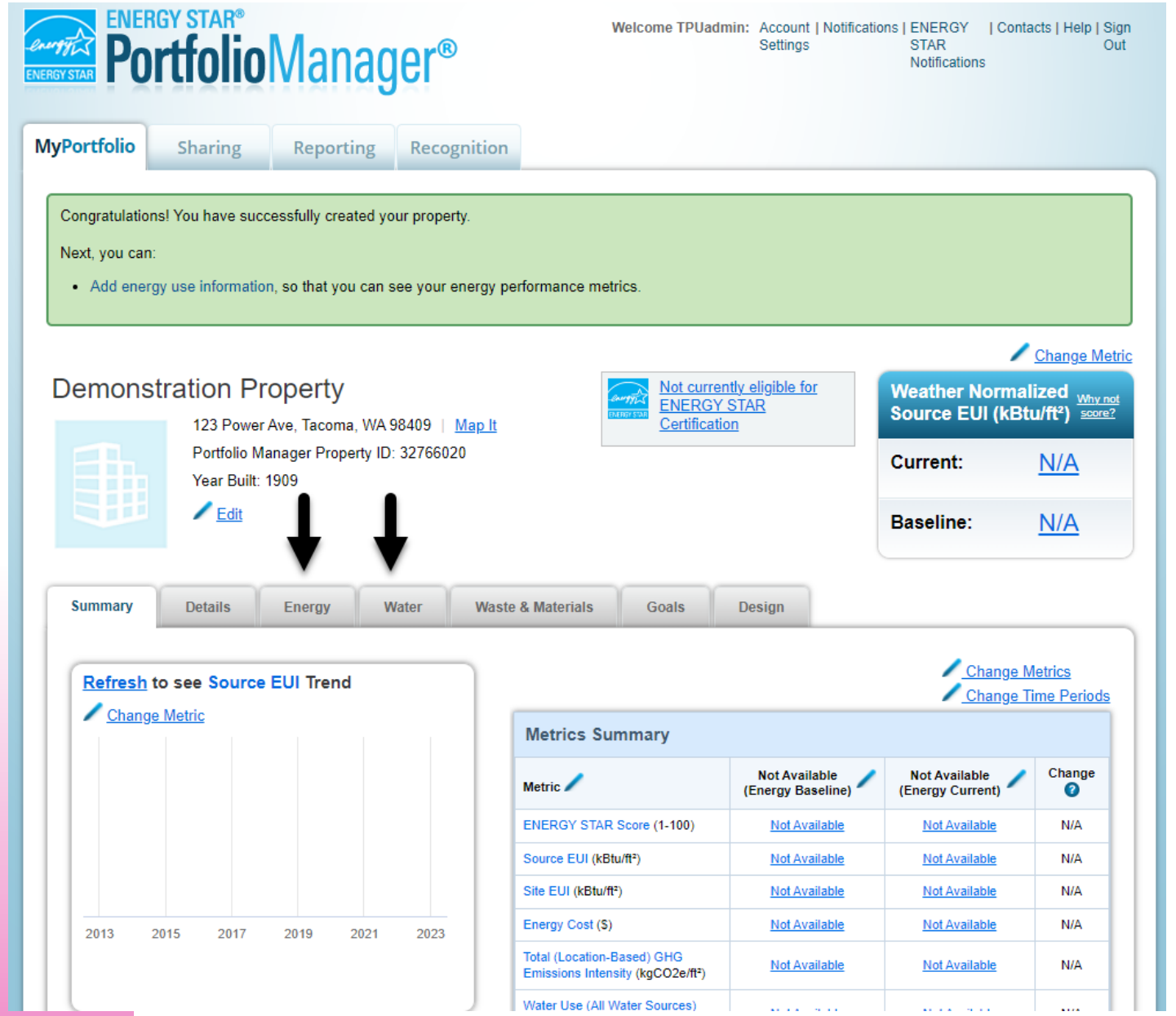
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. Connect your building and meter to your utility



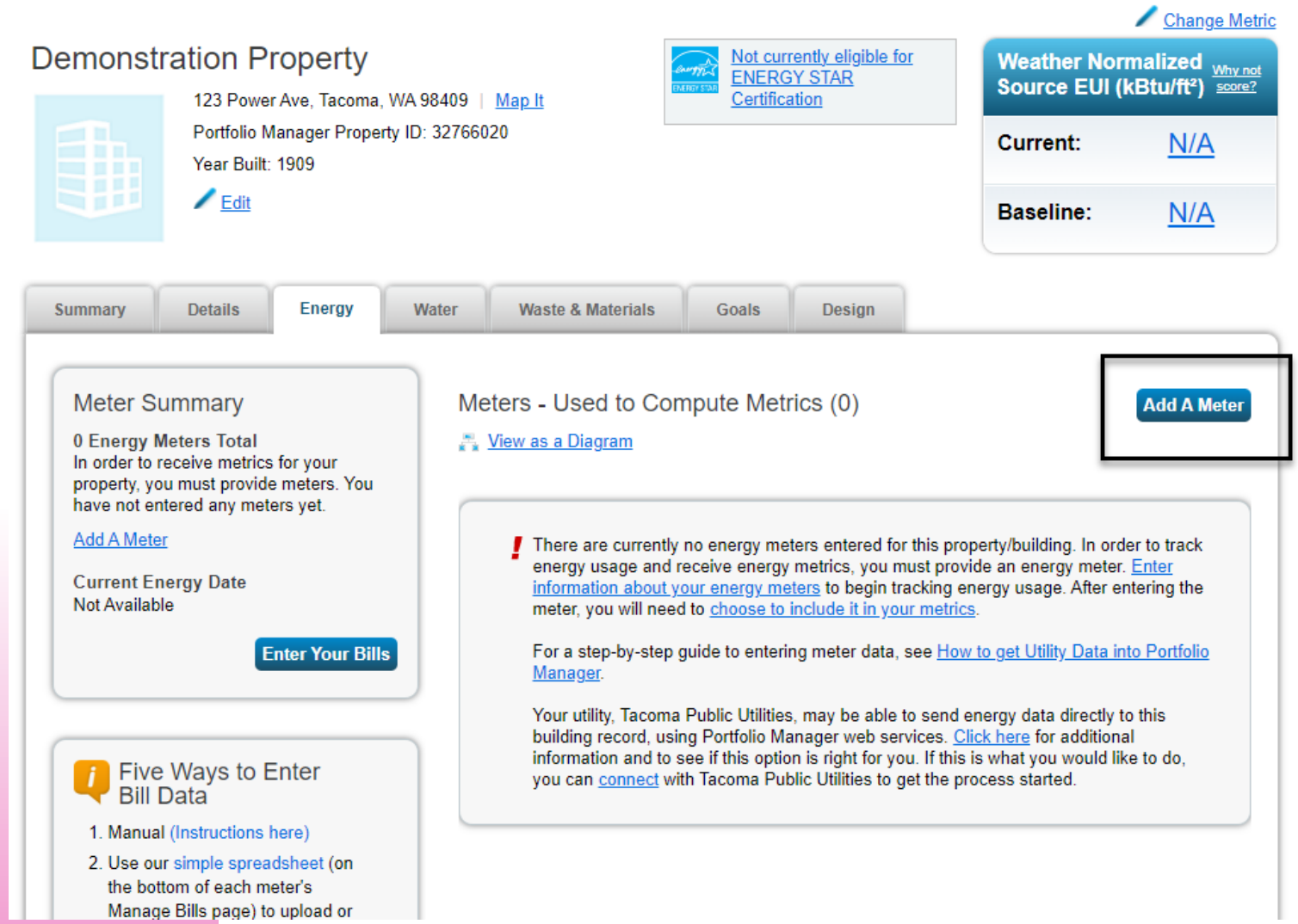
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



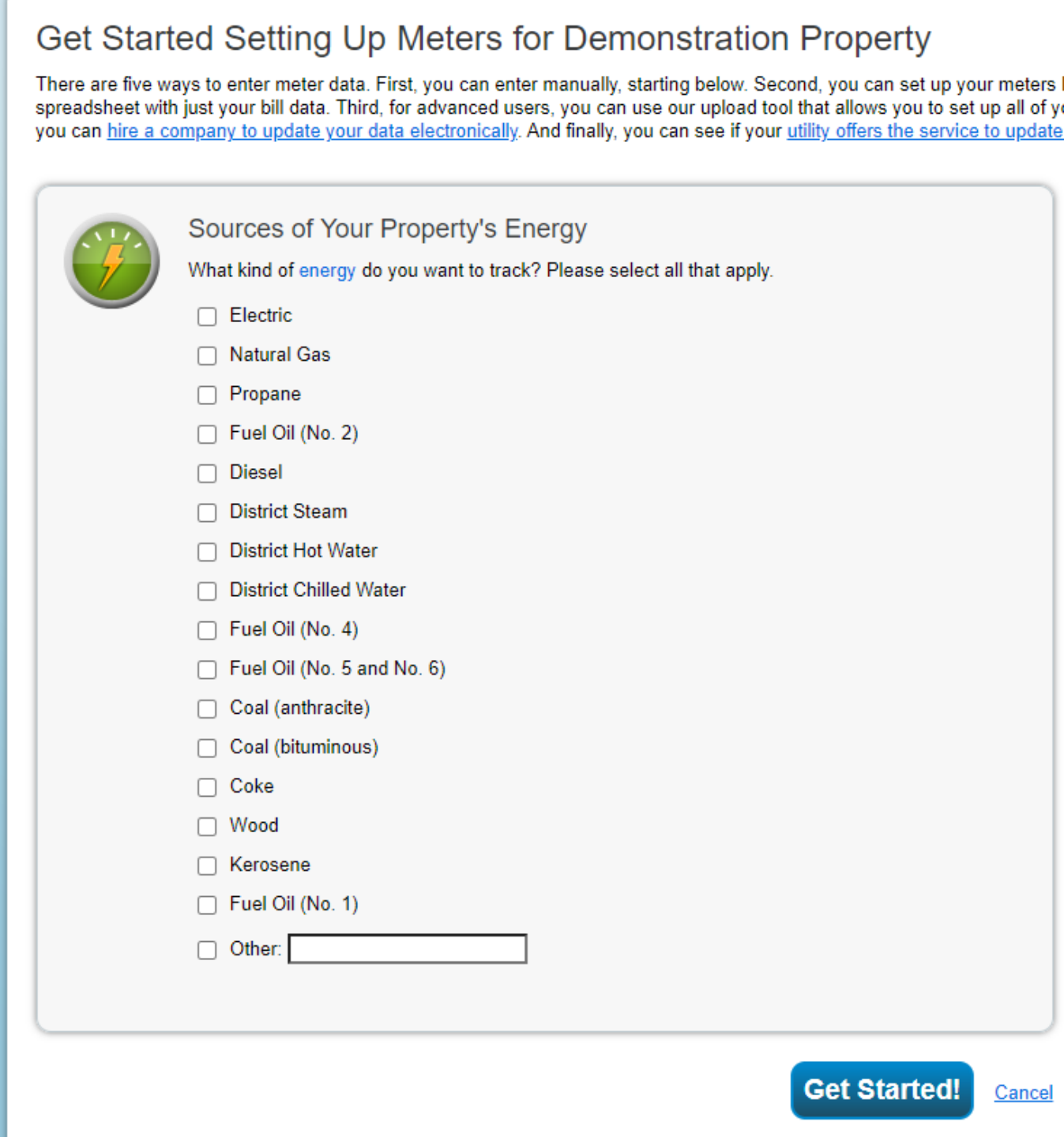
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



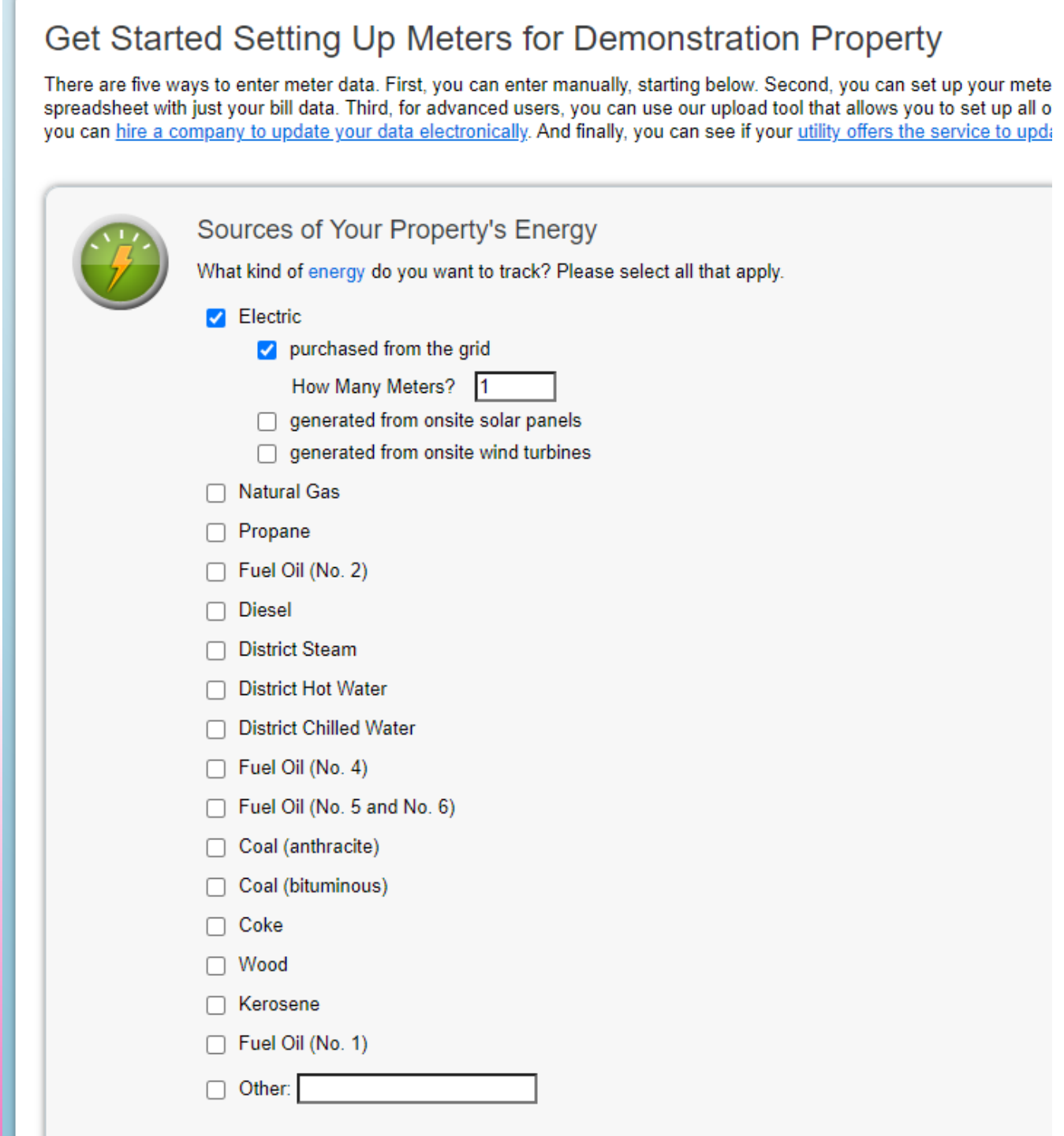
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



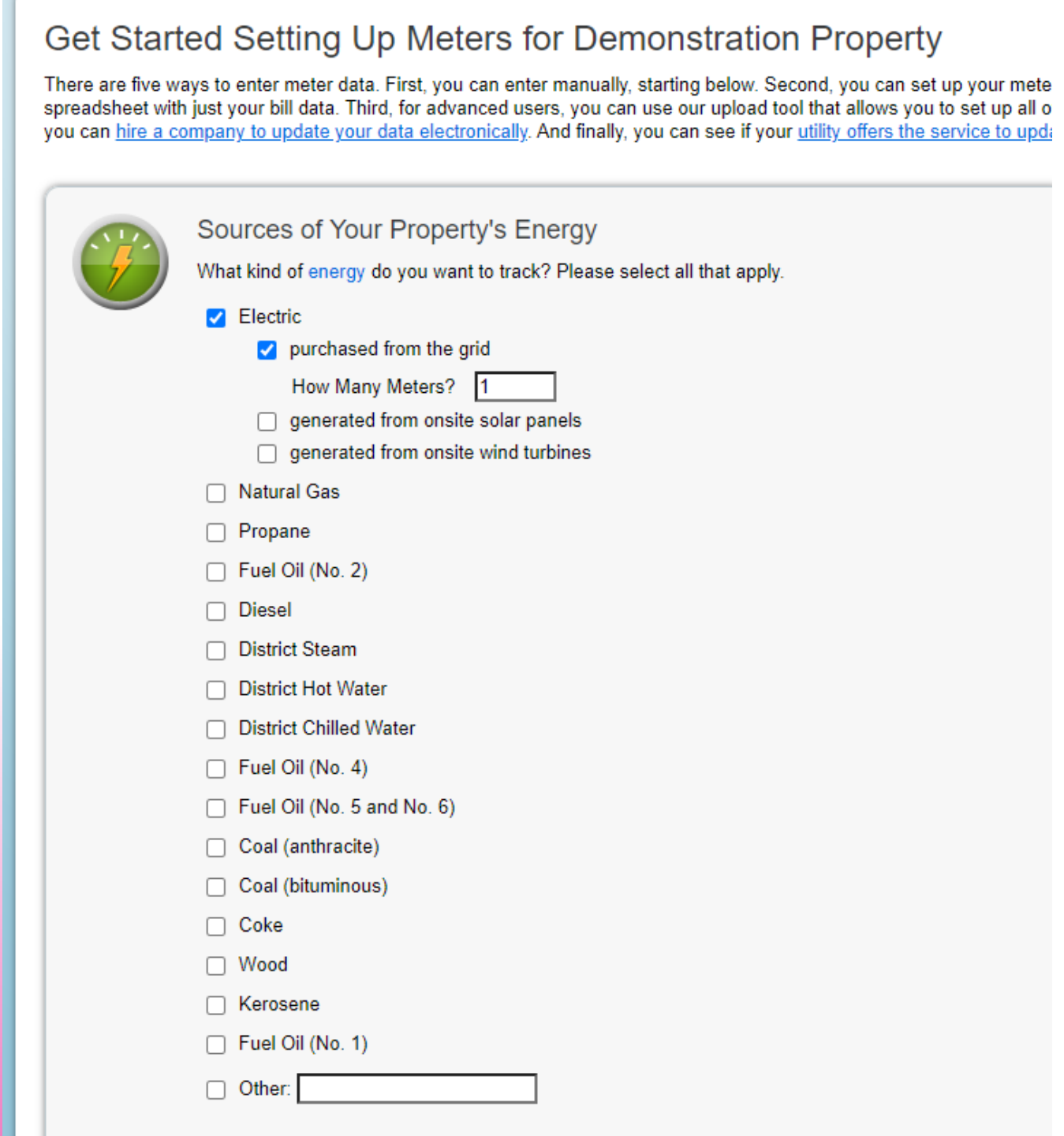
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



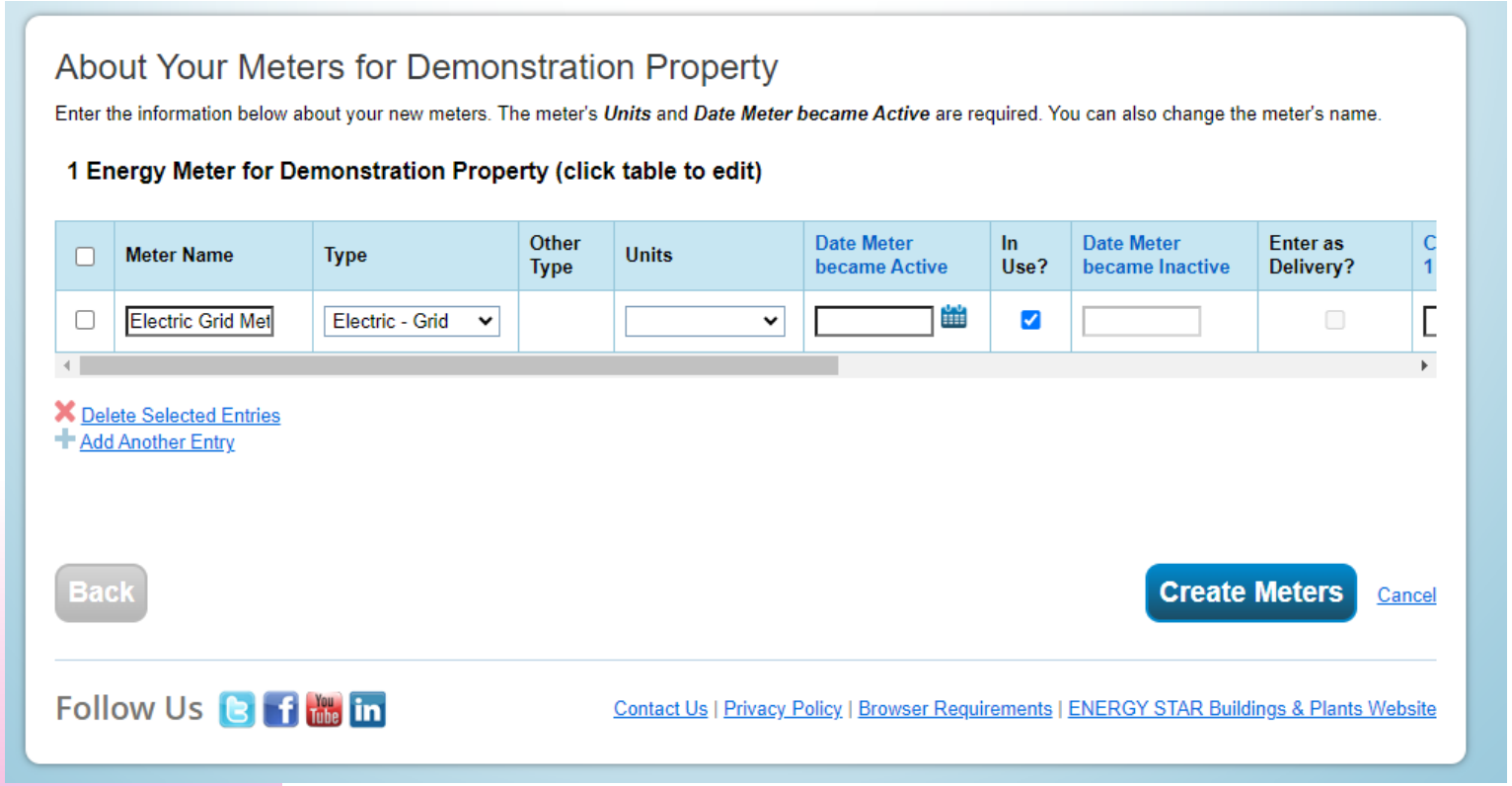
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



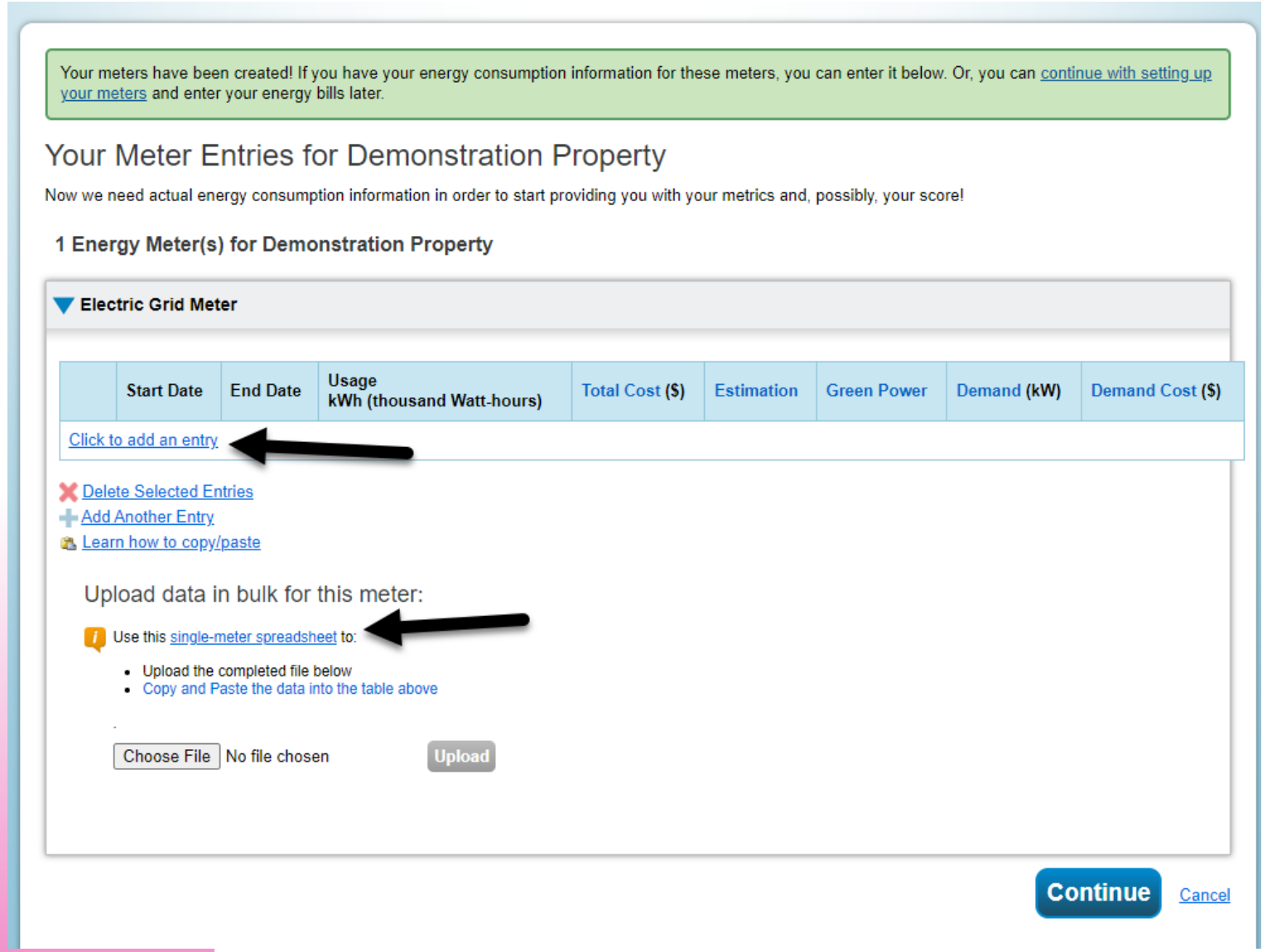
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



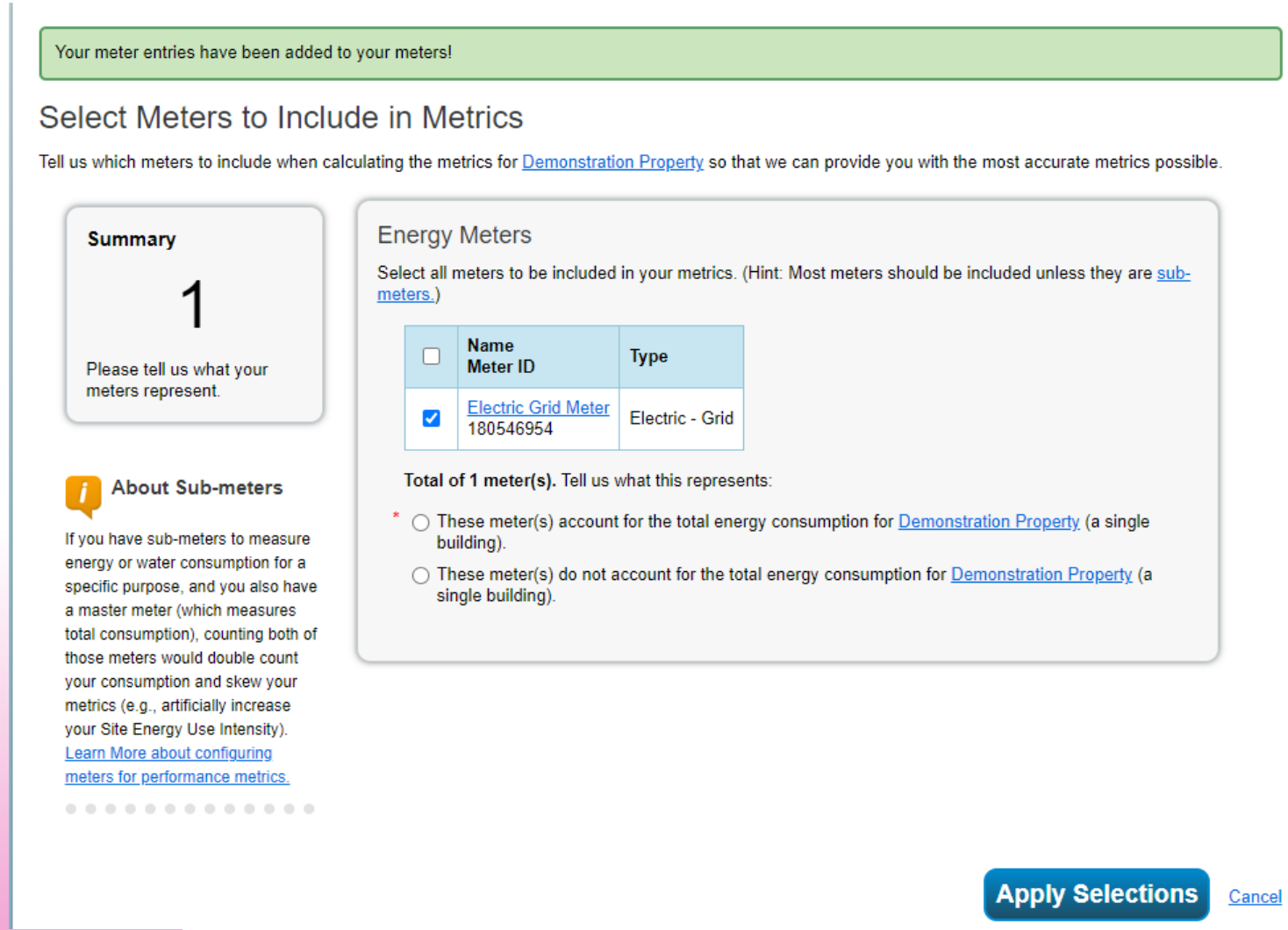
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



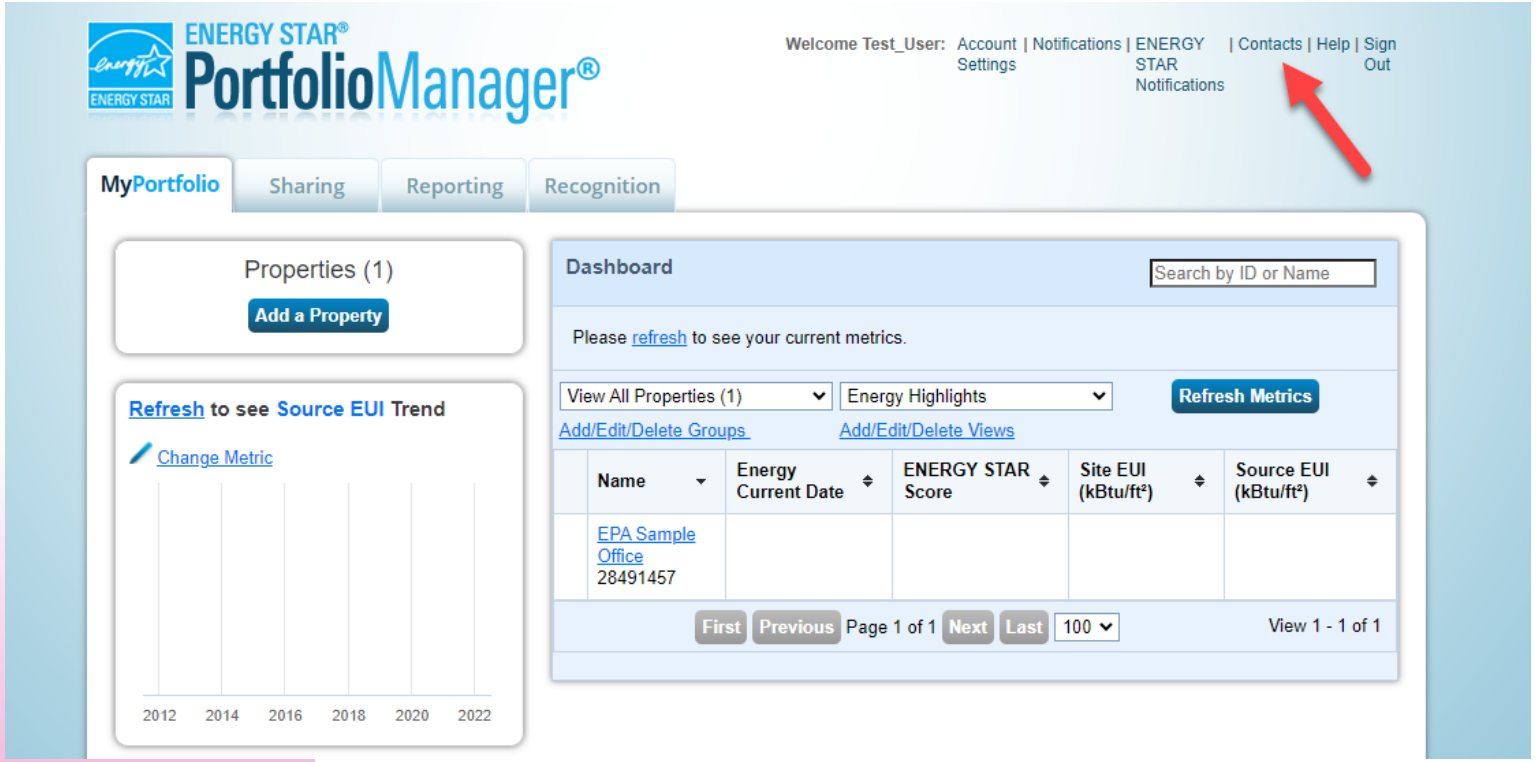
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. **Add your meter details**
4. Connect to your utility contact
5. Connect your building and meter to your utility



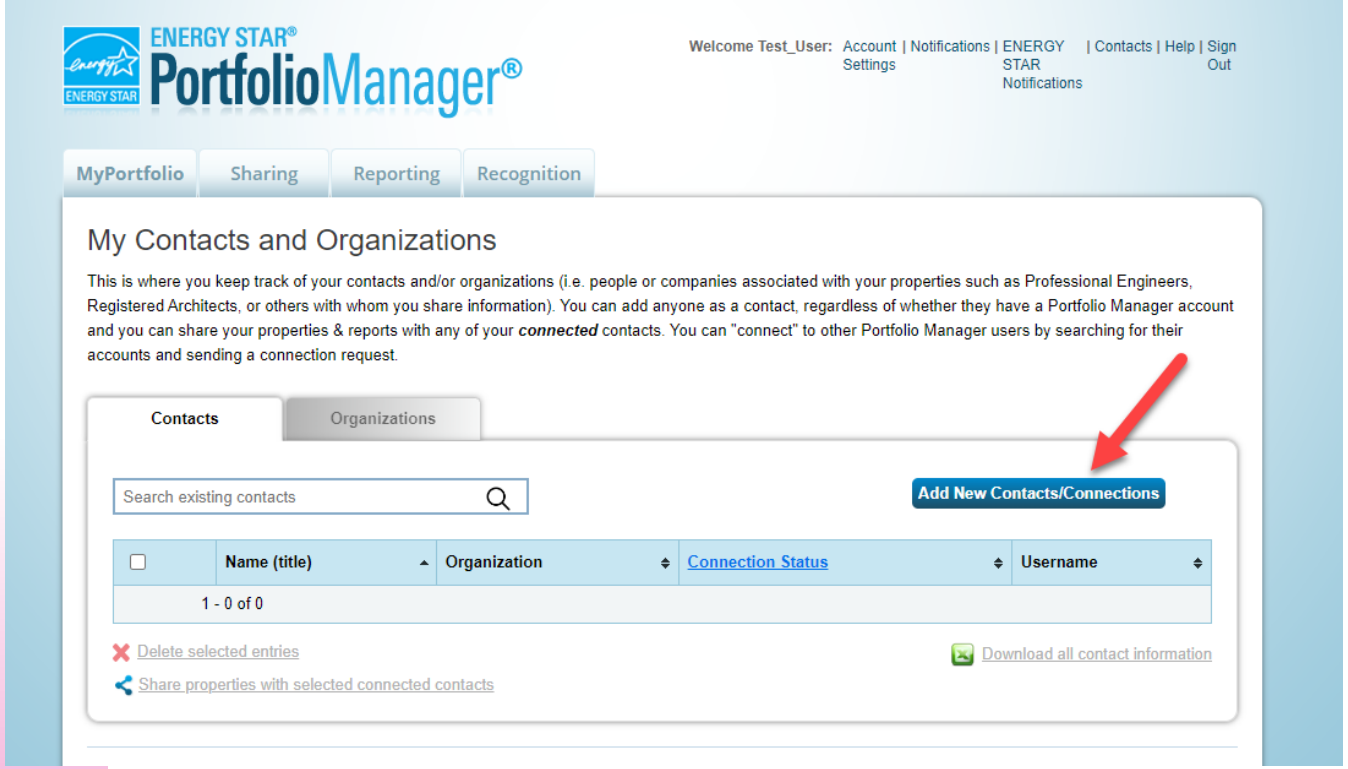
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. **Connect to your utility contact**
5. Connect your building and meter to your utility



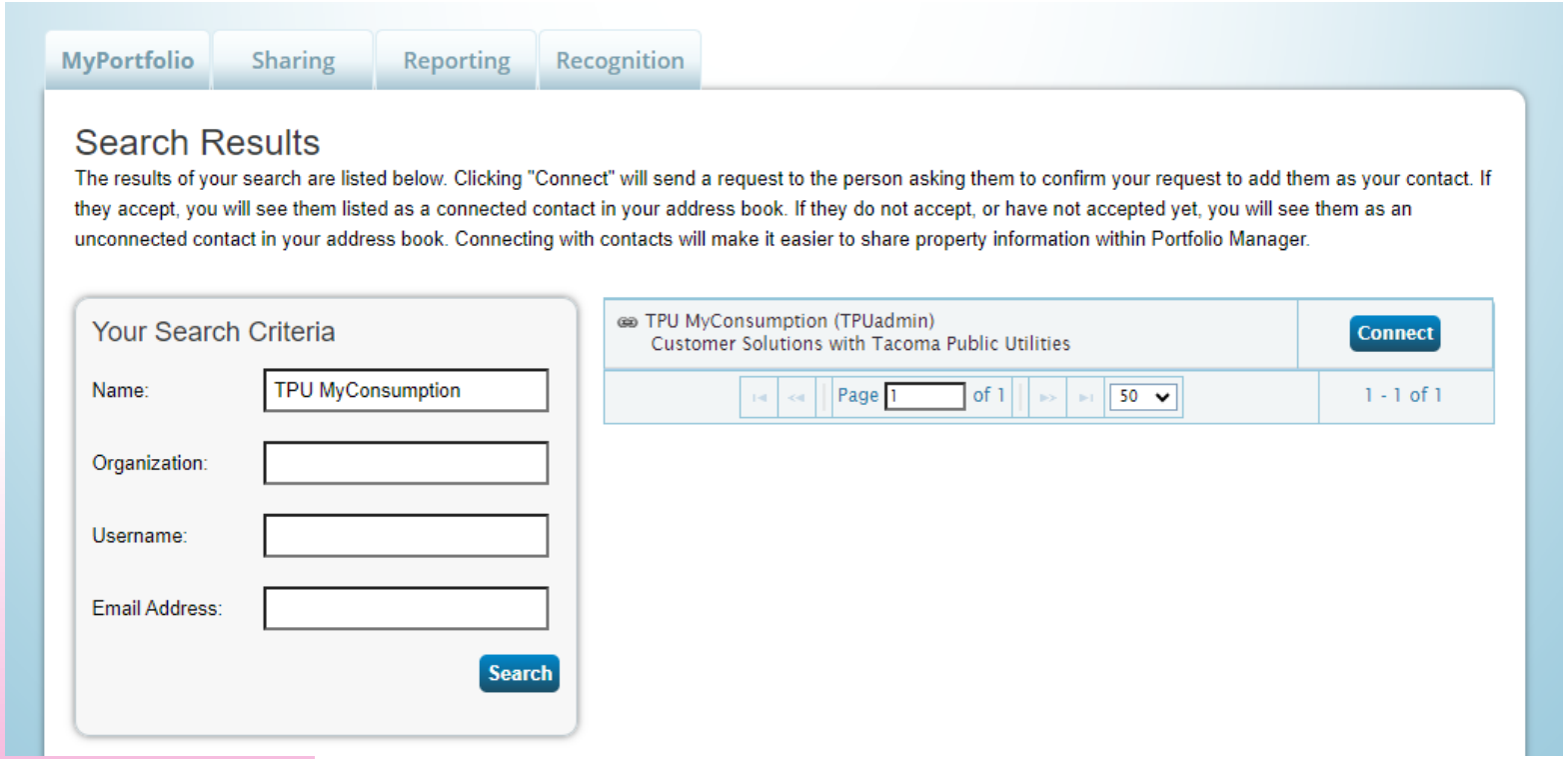
HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. **Connect to your utility contact**
5. Connect your building and meter to your utility



HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. **Connect to your utility contact**
5. Connect your building and meter to your utility

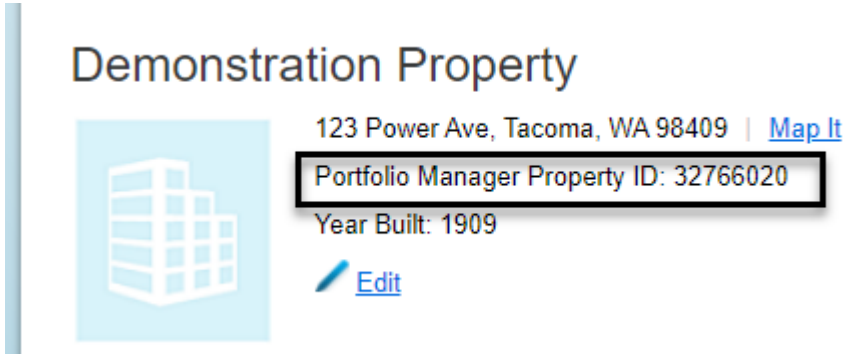


HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. **Connect your building and meter to your utility**

TACOMA POWER
TACOMA PUBLIC UTILITIES

1. Email myconsumption@cityoftacoma.com
   a) Include your ESPM Building ID
   b) Any details you know about your building (e.g. account numbers, meter numbers, etc)

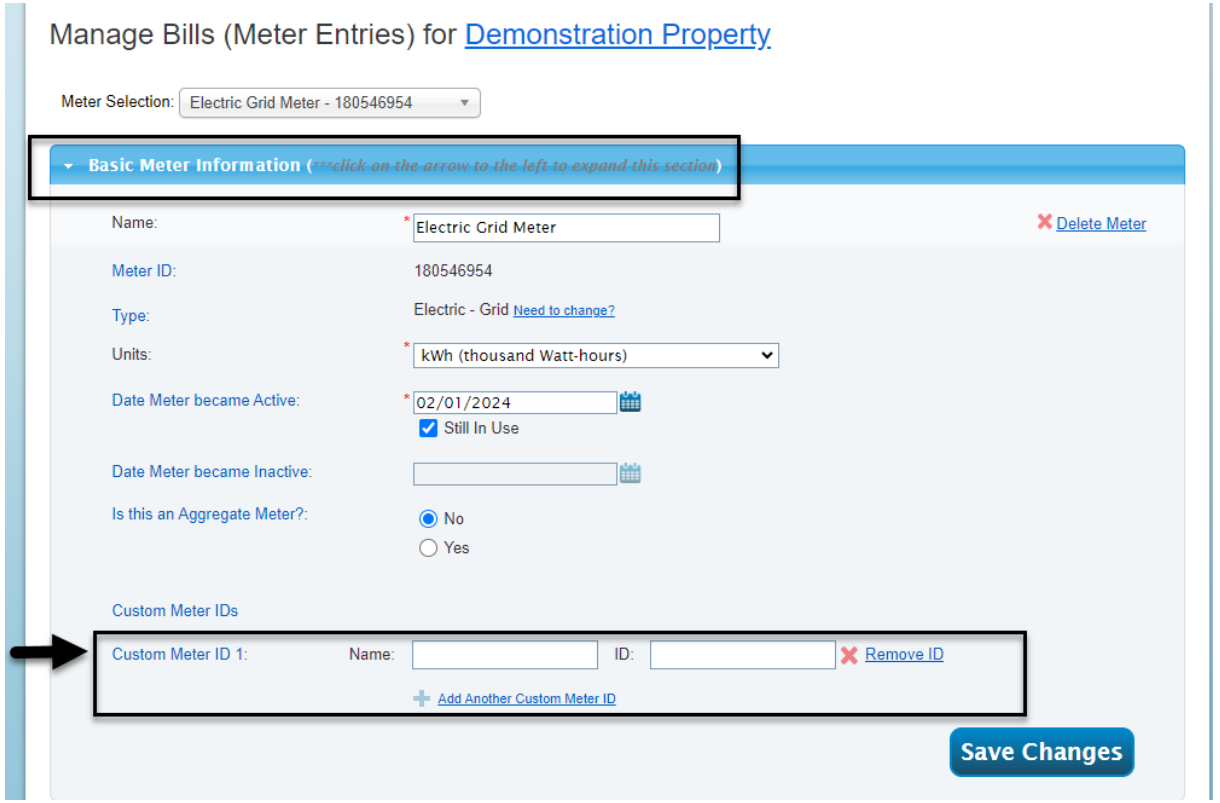


HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. **Connect your building and meter to your utility**

TACOMA POWER
TACOMA PUBLIC UTILITIES

2. Tacoma Power will provide you with a “Custom Meter ID 1”
   a) Enter the custom meter ID 1 on the meter
   b) Enter custom meter ID 1 during sharing

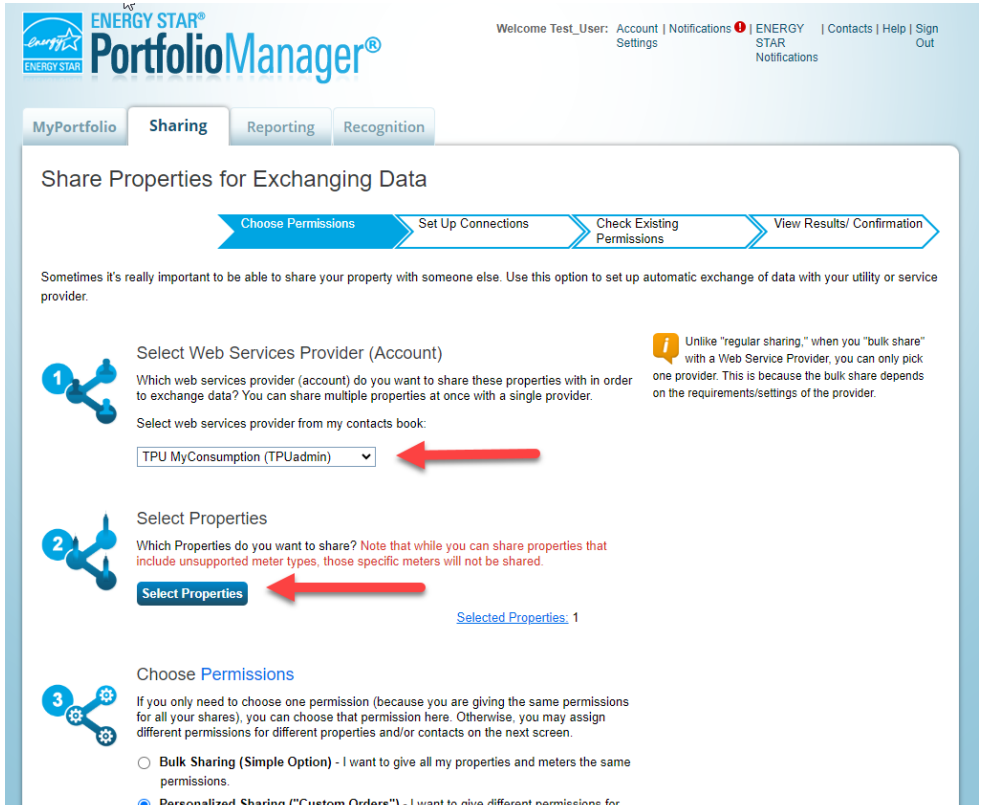


HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. **Connect your building and meter to your utility**

TACOMA POWER
TACOMA PUBLIC UTILITIES

2. Tacoma Power will provide you with a “Custom Meter ID 1”
   a) Enter the custom meter ID 1 on the meter
   b) Enter custom meter ID 1 during sharing

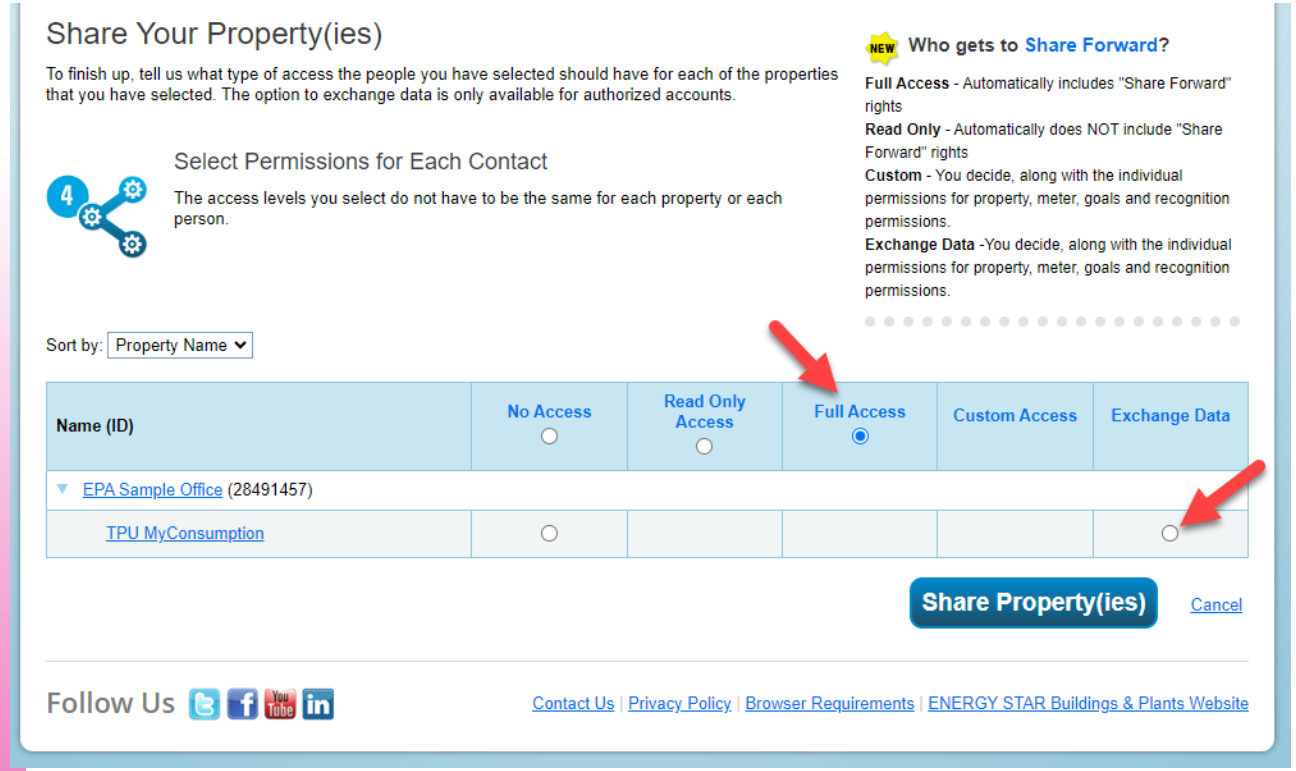


HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. **Connect your building and meter to your utility**

TACOMA POWER
TACOMA PUBLIC UTILITIES

2. Tacoma Power will provide you with a “Custom Meter ID 1”
   a) Enter the custom meter ID 1 on the meter
   b) Enter custom meter ID 1 during sharing

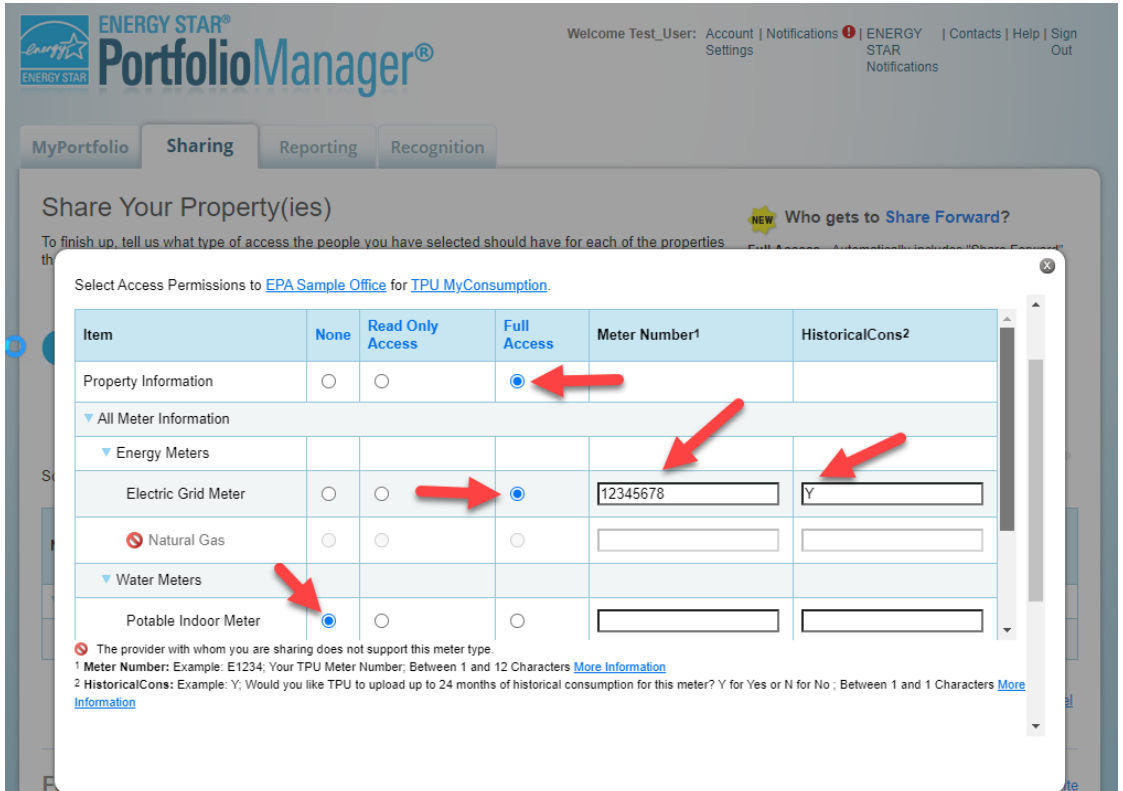


HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. **Connect your building and meter to your utility**

TACOMA POWER
TACOMA PUBLIC UTILITIES

2. Tacoma Power will provide you with a “Custom Meter ID 1”
   a) Enter the custom meter ID 1 on the meter
   b) Enter custom meter ID 1 during sharing



HOW TO GET STARTED IN ESPM

1. Create or log in to your account
2. Add your building details
3. Add your meter details
4. Connect to your utility contact
5. **Connect your building and meter to your utility**

3. Tacoma Power sends data around 5am daily as bills close
   a) There is a 60 day delay between when the bill closes and when the data shows in ESPM
   b) Only two years of historical data will be shared

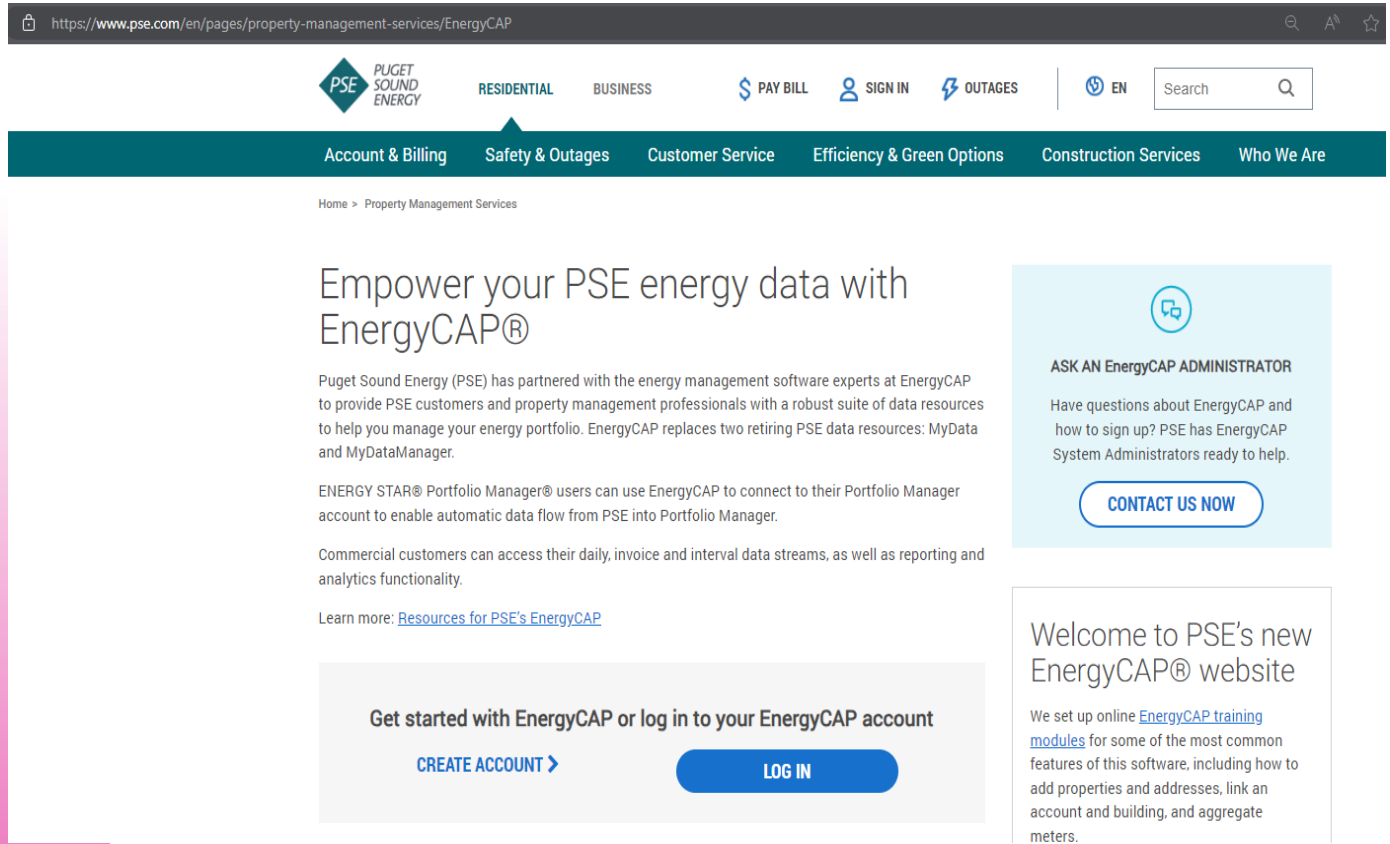
TACOMA POWER
TACOMA PUBLIC UTILITIES

☐	9/1/2023	9/30/2023	111,858		☐	☐		12/19/2023 TPUadmin
☐	10/1/2023	10/31/2023	117,820		☐	☐		12/31/2023 TPUadmin
☐	11/1/2023	11/30/2023	122,711		☐	☐		2/5/2024 TPUadmin

HOW TO GET STARTED IN ESPM-PSE & ENERGYCAP

1. Create or log in to your account - https://www.pse.com/en/pages/property-management-services/EnergyCAP
2. Add your building & Meters
3. Connect EnergyCAP to Energy Star Portfolio Manager & Share Buildings

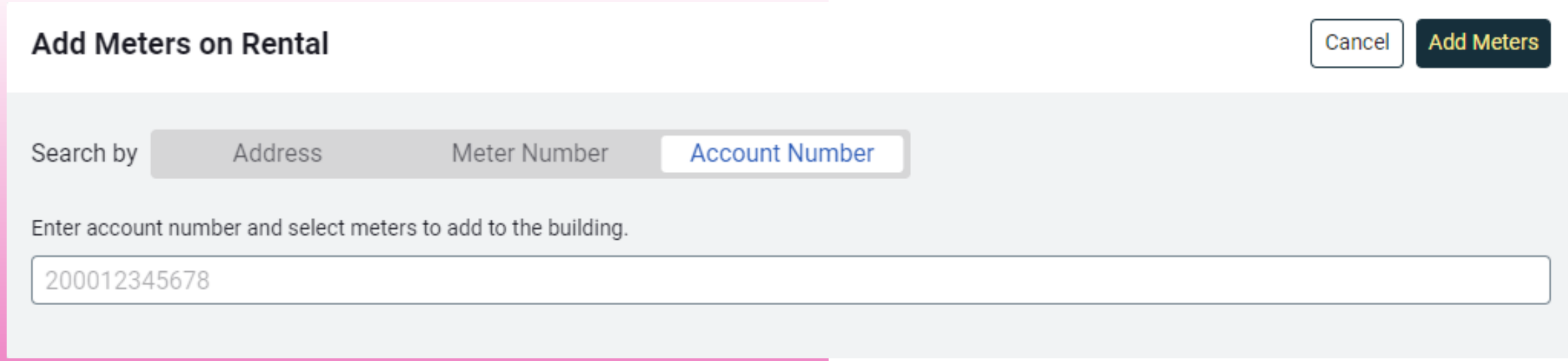
Questions? Email: EnergyCAP@PSE.COM



HOW TO GET STARTED IN ESPM-PSE & ENERGYCAP

1. Create or log in to your account - https://www.pse.com/en/pages/property-management-services/EnergyCAP
2. Add your building & Meters
    a. 3 or more tenants = aggregate meter, add by address or meter number
    b. If you have a bill in hand, add by account number
3. Connect EnergyCAP to Energy Star Portfolio Manager & Share Buildings

Questions? Email: EnergyCAP@PSE.COM

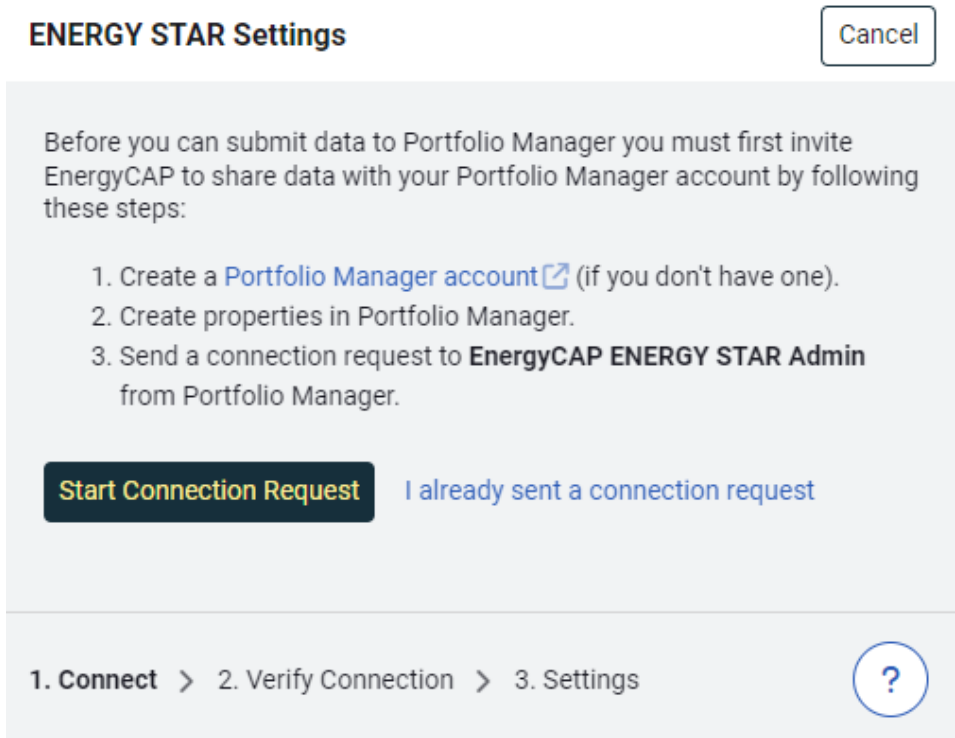


HOW TO GET STARTED IN ESPM-PSE & ENERGYCAP

1. Create or log in to your account - https://www.pse.com/en/pages/property-management-services/EnergyCAP
2. Add your building & Meters
    a. 3 or more tenants = aggregate meter, add by address or meter number
    b. If you have a bill in hand, add by account number
3. Connect EnergyCAP to Energy Star Portfolio Manager & Share Buildings

Questions? Email: EnergyCAP@PSE.COM

PSE PUGET SOUND ENERGY



Clean Buildings Owner Forum

Rod Kauffman
Chief Staff Officer &
President of the
Building Owners
and Managers Association
(BOMA) Greater Seattle

Perry Spring
Resource
Conservation
Manager,
City of Tacoma

Jeff Langhelm
Director of
Public Works,
City of Gig Harbor

Lexi Brewer
Sustainability
Director,
University of
Puget Sound

Jeff Hicks
SVP & Director of
Engineering &
Sustainability,
Kidder Mathews

Submit Your Questions

SUSTAINABILITY REPORT CARD | GIG HARBOR CIVIC CENTER

Your sustainability cliff notes for your building's mechanical system design & impacts. This summary supports the best system selection for your business and our planet.

Proposed Mechanical System (SYSTEM A):

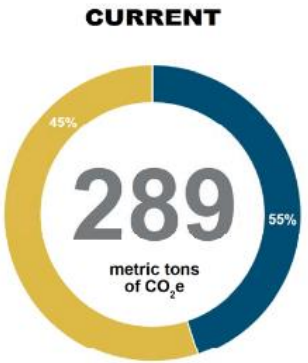
CENTRALIZED VARIABLE REFRIGERANT FLOW (VRF)

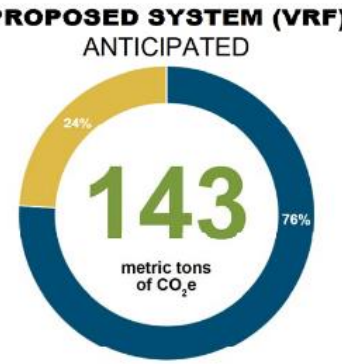
VRF 101: Uses a heat pump to supply a refrigerant based energy recovery unit and zone level refrigerant coils. This system allows simultaneous heating and cooling of the zones using the energy recovery unit.

ENERGY FUEL MIX

- Electricity
- Natural Gas

OPERATIONAL CARBON





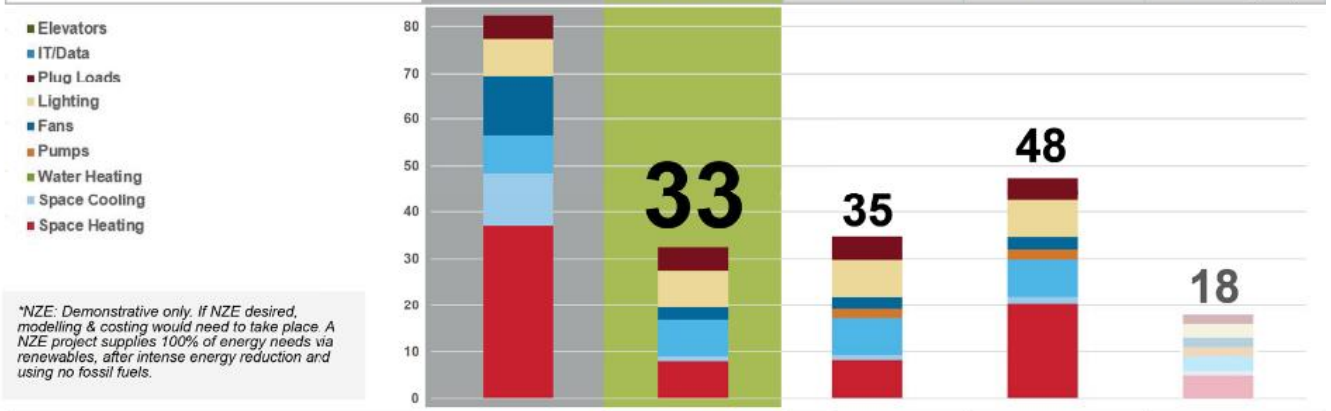
BUILDING VITALS	PROJECT SCOPE CORE VALUES for HVAC & Plumbing IMPACT POTENTIAL
Location: Gig Harbor, WA **Type:** Civic, Commercial **Size:** 3 buildings, 2 floors, 40,975 sq. ft. **Year Built:** 2002 **Current HVAC**: Multizone unit, variable volume heat pump, with electric reheat	[X] Conservation (energy) [ ] Conservation (water) [ ] Decrease embodied carbon [X] Decrease operational carbon [X] Health & wellness (air quality) [ ] Waste reduction (construction) [ ] Diversity & inclusion (process) [ ] Other: _____

WA STATE CLEAN BUILDINGS ENERGY USE INTENSITY (EUI) TARGET

Note: *A project of this size is not required to meet this target at this time, however this project will be required to report annual EUI, Energy Management Planb, and O&M Program by 2027.*

Futureproofing: *There is a high likelihood that buildings of this size will need to comply, possibly as soon as 2029 and certainly within the next HVAC equipment's useful life.*

COMPARING SYSTEM OPTIONS | ANTICIPATED BASED ON CURRENT SD LEVEL DESIGN |



**NZE: Demonstrative only. If NZE desired, modelling & costing would need to take place. A NZE project supplies 100% of energy needs via renewables, after intense energy reduction and using no fossil fuels.*

	CURRENT	A: CENTRALIZED VRF	B: AIR SOURCE HEAT PUMP	C: WATER SOURCE HEAT PUMP	TBD: NET ZERO ENERGY (NZE)
Energy Use Intensity (EUI) - **kBtu/sf/yr**	83	33	35	48	18
Carbon Impact - **metric tons of CO2e**	289	143	155	220	112
Gas-Powered Vehicles **Removed // Year compared to current system**	0	32	29	15	42

BUILDING PERFORMANCE STANDARDS

City of Tacoma · Pierce County · BOMA Seattle King County · IFMA Seattle Chapter · MacDonald-Miller Facility Solutions®

Non-Compliance Penalty

Any building owner not in compliance by the target dates will incur a penalty of $5,000 + $1.00 per square foot, per year.

Fines are not to exceed 18 months of accrued penalty.

Example using a 100,000 sqft building:

$5,000 + (100,000 sqft x $1/sqft per year) = $105,000/year

Maximum penalty = $105,000 x 1.5 years = $157,500

Clean Buildings Resources

Rebecca Sheppard
Senior Project Manager

Building Potential™

Building Potential

Programs

- Smart Buildings Center
- Building Operator Certification (BOC)
- Tool Lending Library
- Remote Learning Library
- YouTube Training Series
- Clean Buildings Performance Standard Helpdesk

Building Potential

SMART BUILDINGS CENTER

Building Operator Certification® (BOC)

THE ESSENTIAL CREDENTIAL

Photo courtesy of Resource Media

- Leading training and credentialing program for building engineers and maintenance personnel
- Graduates gain skills to make their buildings more:
  - Comfortable
  - Efficient
  - Environmentally friendly
- Graduates help their organizations substantially cut operating costs (as much as $20,000 per year)

BUILDING OPERATOR CERTIFICATION®

Building Potential

SMART BUILDINGS CENTER

Tool Lending Library

Often the first step is achieving operational excellence is gaining an understanding of how systems in the building are actually operating.

FREE!!!

- Diagnostic & Monitoring Tools
- 85 Tool Types
- Online reservation system
- Loan period up to 4 weeks
- Local pickup or shipped

BUILDING OPERATOR CERTIFICATION

SMART BUILDINGS CENTER

Smart Buildings Center
Clean Buildings Performance Standard Helpdesk

Offering

- Resources
- Training videos
- One-on-One consultation

Building Potential

SMART BUILDINGS CENTER

Clean Buildings Resources

WASHINGTON STATE DEPARTMENT OF COMMERCE
CLEAN BUILDINGS PERFORMANCE STANDARDS

This site provies information on the Clean Buildings bill and Performance Standards.

PIERCE COUNTY
C-PACER PROGRAM

The C-PACER program allows owners and developers of eligible properties in Pierce County to obtain long-term financing, at a lower interest rate, for qualifying energy generation, energy efficiency, water conservation or resiliency projects.

TACOMA POWER
WASHINGTON CLEAN BUILDINGS LAW

This site provides information specific to the Washington Clean Buildings law as well as guidance around benchmarking with the Energy Star Portfolio Manager.

PUGET SOUND ENERGY
ACCELERATOR PROGRAM

Puget Sound Energy's Clean Buildings Accelerator program unpacks the complex law, meets you where you're at with your energy use, and teaches you how to comply and go beyond through a hands-on approach using your own building(s).

SMART BUILDINGS
CENTER

The Smart Buildings Center accelerates the adoption and commercialization of smart buildings technologies and practices through education and demonstration.

MACDONALD-MILLER
CLEAN BUILDINGS

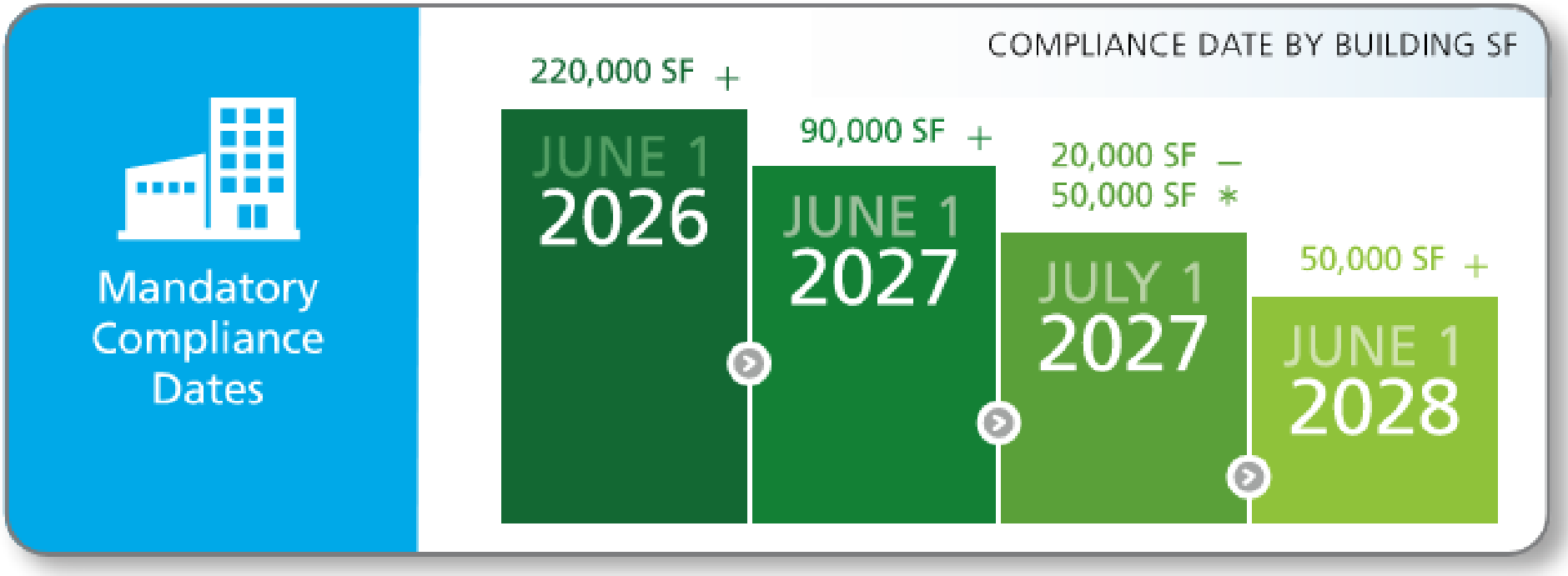
MacDonald-Miller works with building owners to provide cost-effective energy-saving solutions. Visit macmiller.com/clean-buildings/ or scan here to learn more and get started on your benchmarking today.

BUILDING PERFORMANCE STANDARDS

City of Tacoma · Pierce County · BOMA Seattle King County · IFMA Seattle Chapter · MacDonald-Miller Facility Solutions

It is not too early to get the ducks in a row

It’s Time to Act



* Reporting Only

THANK YOU!

Clean Buildings Symposium

February 23, 2024

Please share your thoughts about today's Clean Buildings Symposium

MacDonald-Miller FACILITY SOLUTIONS®