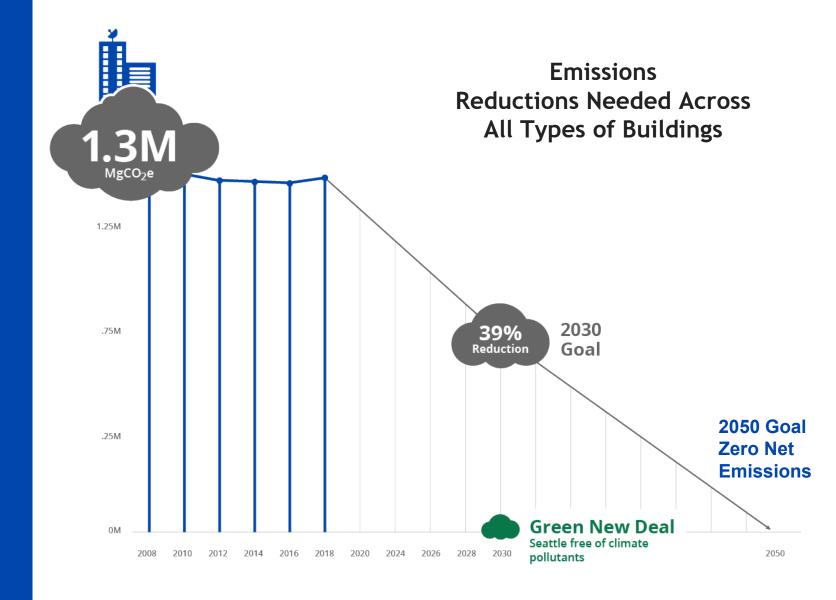


Performance Standards for Existing Large Nonresidential and Multifamily Buildings

> Draft Policy Overview | October 13, 2022 Seattle Hotel Association Fall Member Meeting



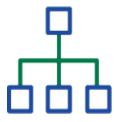
Bold action is needed to significantly reduce climate emissions from all types of buildings in Seattle.



The most effective near-term action is building emissions performance standards for larger buildings.



Sets carbon-emissions-reduction targets that buildings must meet over time.



Provides a framework for owners to improve energy efficiency and transition to cleaner energy sources.

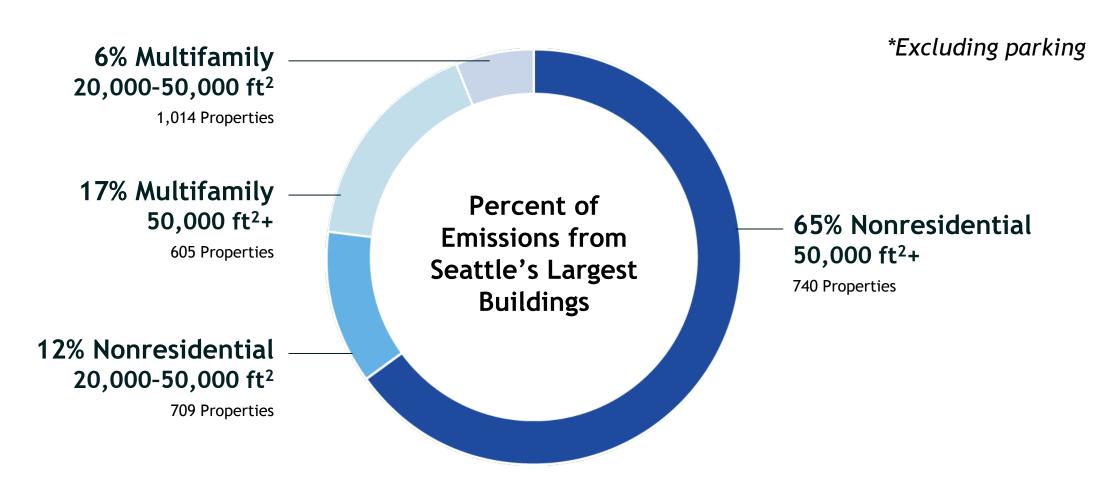


Offers flexibility to choose the technologies and operational strategies that work best for owners.

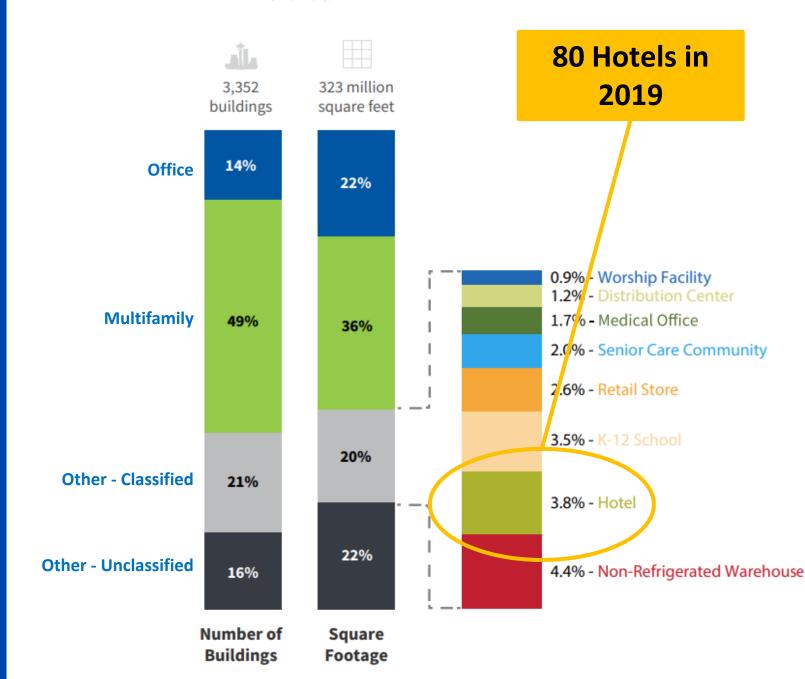


Identifies long-term expectations so owners can plan for upgrades.

Applicability: Nonresidential and multifamily buildings >20,000 SF*

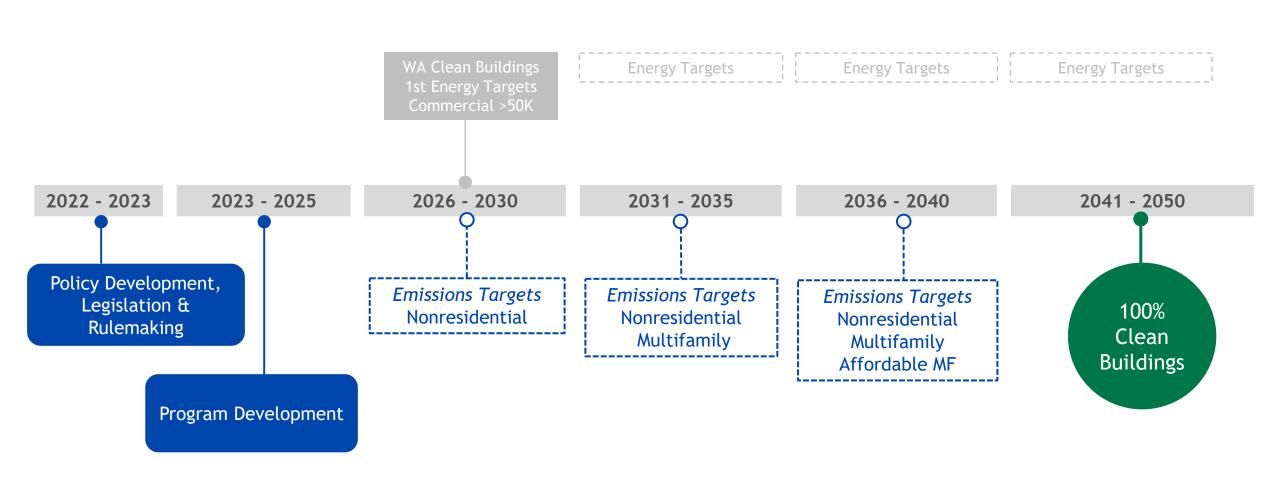


Applicability: Seattle Building Types >20,000 SF



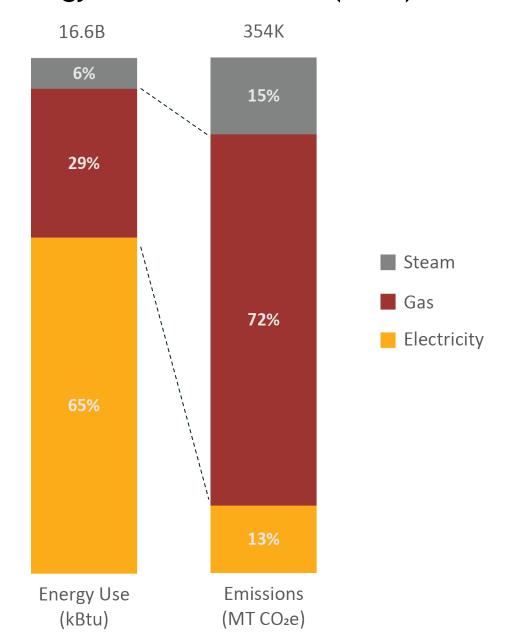
A Long Runway

Seattle Building Emissions Performance Legislation signals the market and allows for a gradual transition to truly 100% clean buildings

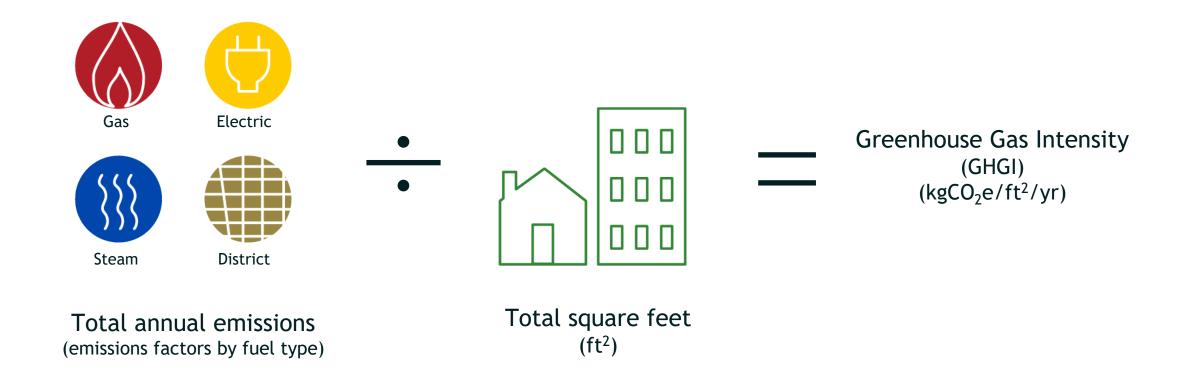


Seattle emissionsbased performance standards would address buildings' largest emissions contributors — gas and district steam.

Energy Use and Emissions (2019)

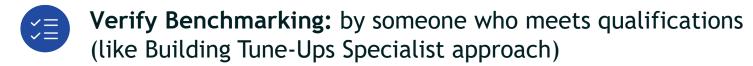


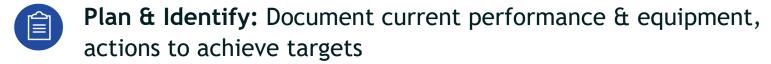
Greenhouse Gas Intensity (GHGI) Metric

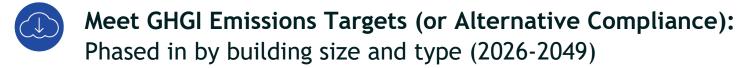


Seattle Building Emissions Performance Standards

Requirements







Achieve: Get to net-zero emissions (2041-2050)

Building Tune-Ups requirement proposed to sunset after completion of the 2023-2026 compliance cycle.

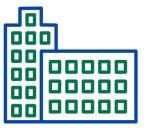


Five-year cycles aligned with State of Washington requirements for energy efficiency.

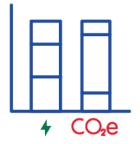
Washington Clean Buildings Energy Standards



Tier 1: Large Nonresidential buildings > 50K ft² (beginning 2026)



Tier 2: Adds Nonresidential buildings 20-50K & Multifamily >50K ft² (energy targets after 2030)



Focuses on O + M and energy performance targets, rather than emissions targets



Proposed Compliance Timeline

Nonresidential Buildings				
	1st Cycle	2nd Cycle	3rd Cycle	4th Cycle
Requirements				
>220,000	2026 (2027)	2031	2036	2041
>90,000 - 220,000	2027	2032	2037	2042
>50,000 - 90,000	2028	2033	2038	2043
>30,000 - 50,000	2029	2034	2039	2044
>20,000 - 30,000	2030	2035	2040	2045
Portfolios / Campuses	2028	2033	2038	2043

Verify benchmarking report
Plan & identify actions for meeting next cycle targets
Meet GHGI Targets 2026-2040 (or alternative compliance)
Achieve Net-Zero 2041-2045

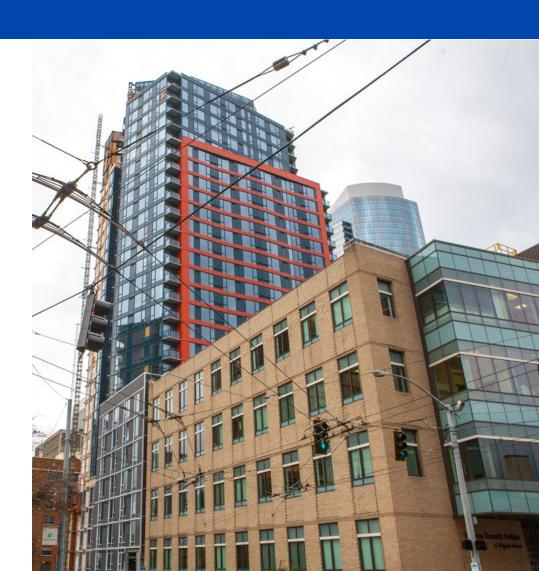
^{*}Portfolio option for nonprofit and public owners only (e.g., school system).

Proposed Alternative Compliance (Details TBD in Rulemaking)

Nonresidential: 2026 (2027) - 2030



Buildings above Greenhouse Gas Intensity target can reduce emissions by 10%



Proposed Alternative Compliance (Details TBD in Rulemaking)

Alternative Compliance Payment: 2026 - 2035

- Payment based on an annual per MTCO2e basis, for emissions beyond compliance target.
- The cost of each MTCO2e/year to be based on the Social Cost of Greenhouse Gas Emissions.

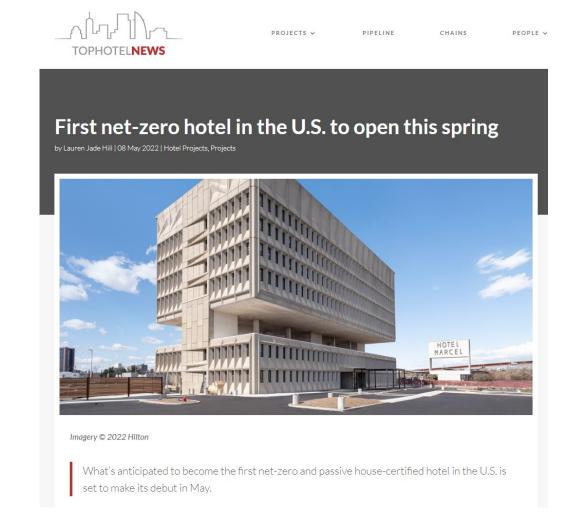
Funds to be used for technical and financial assistance, prioritized towards under-resourced buildings.



Proposed Alternative Compliance (Details TBD in Rulemaking)

All-Electric Buildings

Buildings where the only source of energy being used is electricity are granted an exemption from meeting the Greenhouse Gas Intensity target compliance obligations.



Extensions, Exemptions & Accommodations (Details TBD in Rulemaking)

For certain buildings such as:

- scheduled to be demolished
- financial distress
- significant barriers, such as
 - historic properties
 - buildings with unreinforced masonry (URM)
 that is a seismic risk



1999 Nisqually earthquake damage. USGS photo.

Extensions, Exemptions & Accommodations (Details TBD in Rulemaking)

For <u>certain uses or equipment</u> such as:

- o commercial cooking equipment (2026-2035)
- o laundry in hotels and healthcare (2026-2035)
- emergency power back-up generation
- high-intensity process equipment used in healthcare and laboratories (2026-2035)

Professional chefs tout the culinary — and environmental — advantages of induction stoves



(Craig Chivers/CBC)

https://www.cbc.ca/news/science/what-on-earth-induction-stoves-1.6411937

We need to support owners as they decarbonize and improve their facilities.

Seattle Clean Buildings Accelerator

OSE has launched an equity-centered support program that prioritizes technical support services for owners and managers of buildings serving/supporting frontline communities. Coaching program for prioritized owners to help them build internal capacity, and self-led learning available for all.

Program will help participants with:

- Meeting WA State energy targets
- Emissions reduction planning
- Identifying incentives and financing
- Preparing to pursue federal infrastructure funds, inflation reduction act funds, and other opportunities



Draft Timeline

- April & June: open houses & stakeholder engagement
- ➤ July October: stakeholder input on preliminary draft legislation
- October 25: Draft Targets Webinar
- October 2022- January 2023: final legislation drafted
 & Mayor review
- February March 2023: legislation considered at City Council
- > April December 2023: rulemaking



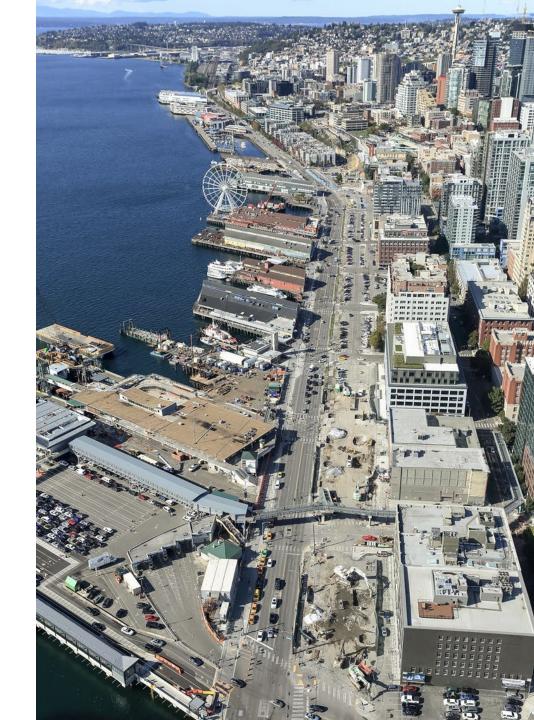
Technical Webinar: Draft Emissions Targets for Seattle Building Performance Standards

OSE and SBW Consulting will share the draft greenhouse gas intensity targets under consideration and the analysis conducted to inform the targets. Presentations will be followed by the opportunity for comments and questions. OSE will also provide a brief overview of the proposed policy and the updated timeline. This webinar is a follow-up to open houses in April and June that provided detailed background and the draft policy framework. Recordings and slides from those events are available at www.seattle.gov/building-performance-standards.

- **Date:** October 25, 2022 from 12:00pm to 1:00pm
- Location: Online via Zoom
- Pre-register here:

https://us06web.zoom.us/webinar/register/WN_3nqYSoWSo-v6_dCnCagNg

This webinar will be recorded and posted on the OSE website afterwards.





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cleanbuildings@seattle.gov

