



## MN Commercial Energy Code Technical Advisory Group

Steve Shold | Energy Conservation & Resiliency Specialist

[Steve.Shold@State.MN.US](mailto:Steve.Shold@State.MN.US)

651-284-5312

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## Agenda



TAG Member  
Introductions



Purpose and Overview



Legislation

3/18/2025

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## TAG Members



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Name	Affiliation
Richard Hermans	MN Chapter of ASHRAE
Sam Friesen	Fresh Energy
Rachael Spires	AIA
Eric Johansen	CenterPoint Energy
Russ Landry	CEE
Micheal Waite	American Council for an Energy Efficient Economy (ACEEE)
Dennis Schilling	10K Chapter of BO's
Chris Burgess	MEEA
John Smith	ACEC Minnesota
Steve Shold	Energy Code Specialist (TAG Lead)
Chris Rosival	Mechanical and Plumbing Code Specialist (TAG Co-Lead)

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## Purpose and Overview

- Review latest Commercial Energy Code.
  - ASHRAE 90.1-2022.
  - Addenda to 2022 standard.
  - Code Change Proposals (CCPs).
  - Begin digging into code sections on April 15<sup>th</sup>.
  - Aim to wrap up in Fall(?).

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## Purpose and Overview

- Expectations
  - Outside of meetings:
    - Review code sections in preparation for next meeting.
    - Review Code Change Proposals (CCPs) included in the agenda.
    - Perhaps draft a CCP or two.
    - Occasionally research an aspect or code topic and report back to the group.

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## Purpose and Overview

- Expectations
  - During meetings:
    - Attend live or virtually.
    - Participate in discussions - - minimize “me too” commentary.
    - Stick to relevant content.
    - Be prepared to respond to polls.

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## Legislation



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## State Legislation – Commercial Energy Code

- 326B.106 Subd. 1(e)

“

(e) Beginning in 2024, the commissioner shall act on the new model commercial energy code by adopting each new published edition of ASHRAE 90.1 or a more efficient standard. The commercial energy code in effect in 2036 and thereafter must achieve an 80 percent reduction in annual net energy consumption or greater, using the ASHRAE 90.1-2004 as a baseline. The commissioner shall adopt commercial energy codes from 2024 to 2036 that incrementally move toward achieving the 80 percent reduction in annual net energy consumption. By January 15 of the year following each new code adoption, the commissioner shall make a report on progress under this section to the legislative committees with jurisdiction over the energy code.

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## State Legislation – Commercial Energy Code

### Key items (paraphrased):

- Adopt *each* new published model energy edition.



(e) Beginning in 2024, the commissioner shall act on the new model commercial energy code by adopting each new published edition of ASHRAE 90.1 or a more efficient standard. The commercial energy code in effect in 2036 and thereafter must achieve an 80 percent reduction in annual net energy consumption or greater, using the ASHRAE 90.1-2004 as a baseline. The commissioner shall adopt commercial energy codes from 2024 to 2036 that incrementally move toward achieving the 80 percent reduction in annual net energy consumption. By January 15 of the year following each new code adoption, the commissioner shall make a report on progress under this section to the legislative committees with jurisdiction over the energy code.

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## State Legislation – Commercial Energy Code

### Key items (paraphrased):

- 2036 code - 80% reduction from 2004 backstop.



(e) Beginning in 2024, the commissioner shall act on the new model commercial energy code by adopting each new published edition of ASHRAE 90.1 or a more efficient standard. The commercial energy code in effect in 2036 and thereafter must achieve an 80 percent reduction in annual net energy consumption or greater, using the ASHRAE 90.1-2004 as a baseline. The commissioner shall adopt commercial energy codes from 2024 to 2036 that incrementally move toward achieving the 80 percent reduction in annual net energy consumption. By January 15 of the year following each new code adoption, the commissioner shall make a report on progress under this section to the legislative committees with jurisdiction over the energy code.

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## State Legislation – Commercial Energy Code

### Key items (paraphrased):



- *Incremental* movement toward goal.

(e) Beginning in 2024, the commissioner shall act on the new model commercial energy code by adopting each new published edition of ASHRAE 90.1 or a more efficient standard. The commercial energy code in effect in 2036 and thereafter must achieve an 80 percent reduction in annual net energy consumption or greater, using the ASHRAE 90.1-2004 as a baseline. The commissioner shall adopt commercial energy codes from 2024 to 2036 that incrementally move toward achieving the 80 percent reduction in annual net energy consumption. By January 15 of the year following each new code adoption, the commissioner shall make a report on progress under this section to the legislative committees with jurisdiction over the energy code.

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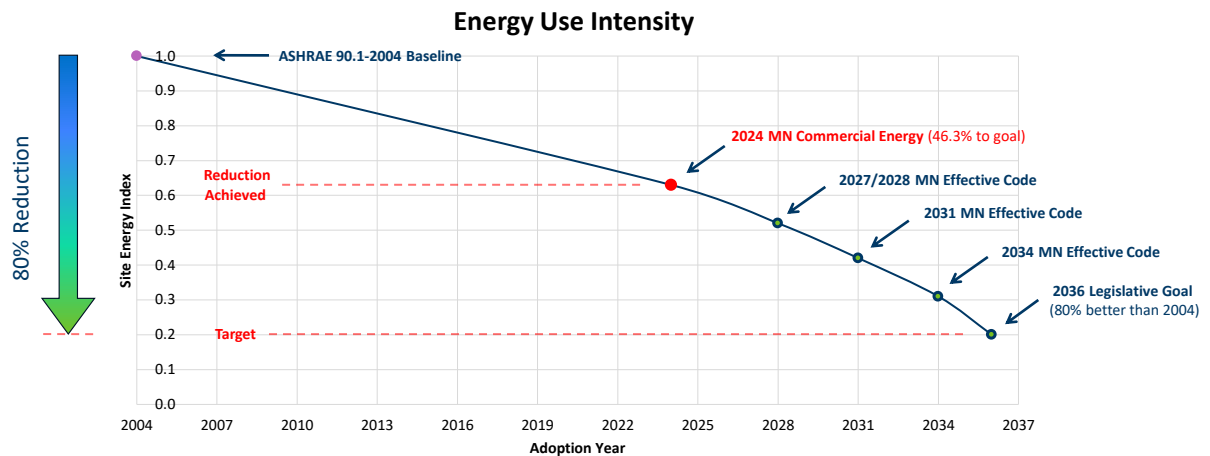
## State Legislation

- What does this mean?
  - Updated Commercial Energy Code every 3 years.
  - Amend model code to improve efficiency.
- Where are we at *now*?

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## Commercial Energy Code Adoption Trajectory



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## Resources – AEC Partnership

- What is The Partnership?
  - Formed in 2023 to support Minnesota's Climate Action Framework's energy code vision.
  - A combination of groups that together have the necessary skills and resources to achieve our state's ambitious goals.
- Why is The Partnership needed?
  - A significant amount of research and data is required to determine the path forward following the guiding principles below.

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## Resources – AEC Partnership

- The Partnership’s guiding principles for amendment development:
  - Achieve goals via the “path of least resistance”.
    - High energy saving measures to minimize changes.
    - The lowest cost way to achieve energy savings.
    - High levels of market readiness, including product availability and workforce capacity.
  - Collaborative approach.
    - Engage stakeholders and listen to feedback.
    - Inclusive of all voices and experiences.
  - Data focused.

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## Resources – AEC Partnership

- MN Advanced Energy Codes Partnership

- Sponsors



- Project Lead



- Supporting Consultants



- Other Partners



Advanced Energy Codes Partnership (AEC) Advisory Committee

Supported by U.S. DOE through RECI funding

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## Final Thoughts...

- No weakening amendments.
- Effective date likely early 2028.
- Decarbonization will **not** be part of the MN Commercial Energy Code.
- Energy code will **not** restrict fuel types, rather it will address the **conservation** of energy.



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## Final Thoughts...

- Scope
  - Charge of MN Rule 1323 (Commercial Energy Code) is **Building Energy Conservation**.
  - Focus is **efficiency**.
  - TAG will need to discuss clear and restrictive limits on the use of on-site energy production to offset building inefficiencies in other areas.



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# Thank You!

**Steve Shold**

Steve.Shold@state.mn.us

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