

March 26, 2024

Colorado and Denver Building Performance Standards: Program Overview & Comparison

	<u>Energize Denver, Large Buildings</u>	<u>Building Performance Colorado</u>
Program Applicability	Existing Commercial & Multifamily >25,000 sf Manufacturing, Agricultural & Industrial (MAI) * Excludes state-, federal-, or foreign-owned	Existing Buildings >50,000 sf Includes benchmarking only for public buildings (state, local, school district, higher ed)**
Exemptions, Waivers, Flexible Compliance Options	Annual Exemption request: unoccupied building; experiencing financial distress; has a demo permit; is a stand-alone parking garage Timeline Adjustments and some other Alternative Compliance Options for a variety of situations	Exemption: public buildings; MAI buildings; single-family homes; some other Annual Waiver: financial hardship, utility information unavailability, some other cases Timeline Adjustment for a variety of situations Multiple Compliance Pathways
Building Performance Goals	Reduce energy use on average across all covered buildings by 30% by 2030	Reduce energy use or greenhouse gas emissions across all buildings by 20%, and for all <u>existing buildings</u> by approximately 29% by 2030
How Building Performance is Measured	Energy Use Intensity (EUI) as calculated using Energy Star Portfolio Manager (ESPM); based on annual energy use, building gross floor area, and building use type(s)	EUI calculated using ESPM or Greenhouse Gas Intensity (GHGI) calculated using a Building Emissions Calculator linked to data in ESPM
Performance Targets	Interim targets for 2024 or 2025, and 2027; final target for 2030 Interim targets are unique to each building based on its 2019 baseline year EUI and its final EUI that is based on its building use type(s)	Interim target for 2026, final target for 2030 Interim and final targets are either specified based on building use type, or are a percent-reduction from the building's 2021 baseline year EUI or GHGI of 13% by 2026 and 29% by 2030
Penalties	For not benchmarking: \$2000/year For not meeting performance targets: calculated based on size of building and how far actual performance is above target	For not benchmarking: \$500 first year; \$2000/year subsequent For not meeting performance targets: \$2000/first month; \$5000/month for subsequent
Some Key Compliance Submittal Deadlines	June 1 (annual): benchmark report due for previous calendar year energy use Dec 1 2024: apply for MAI designation Dec 31 2024: Target Adjustment request due Various 2024 & 2025: Timeline Adjustment requests due (sooner is better)	May 1: submit exemption or waiver request June 1 (most years): benchmark report due July 1 2024: Compliance Pathway Selection form; benchmark report due for 2023 energy use; data corrections to energy use, gross floor area and use types for 2021 and 2022 Dec 31 2025: target or timeline adjustment due
Technical resource guides	https://denvergov.org/files/assets/public/v/1/climate-action/documents/energize-denver-hub/ed-technical-guidance-buildings-25000-sq-ft-and-larger-v2_june-2023_clean.pdf	https://drive.google.com/file/d/1qMA8936XohwGMbEq3OIOpnupU8Ay6ILz/view

*MAI buildings have a separate Denver BPS program with alternative targets and timelines

** Public Buildings do have to meet performance standards when/if they do a large renovation



Oakville Building Advisors provides construction management and owner advisory services for energy efficiency upgrades and retrofits for commercial, multi-family, and multi-use buildings.

Regulatory: energy-use & emissions benchmarking setup, regulatory compliance strategies & management
Strategy: energy audits, risk analysis, budgeting, program planning

Financial: cost-benefit, ROI, LCA, and pro-forma analysis; funding options

Implementation: program management, contract management, design, construction, and commissioning

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