

Erie SAP Targets

Helpful links:

- [Strategies](#)
- [2019 Plan](#)
- [Erie BE Plan](#)

Baseline: 2023 inventory

- **Rationale:** 2021 inventory may have lingering COVID impacts therefore may not be a defensible baseline.

Target years: 2030, 2040, 2050

Overall GHG Reduction Targets for Plan

- **Science-Based Target Adjusted (considers all scope/community emissions) – final target**
 - *2030 target: 40% reduction from 2023 values by 2030.*
 - *2050 target: 100% reduction from 2023 values by 2050.*

Buildings & Energy Use Targets

- **TARGET 1:** Net zero commercial and residential building energy use emissions by 2050. *(From BE plan)*
- **TARGET 2:** Reduction of 1,565 mt CO₂e in Existing Residential Building Natural Gas Use (140 homes per year) by 2030. *(From BE plan)*
 - *This is equivalent to 300,000 therms (this is how the BE plan phrases it), 30,000 MMBtu, or approximately 3% reduction of existing residential natural gas emissions (using our BAU model assumptions).*
 - **NEW TARGET 3** Reduction of natural gas use by 24,300 mt CO₂e in existing residential buildings by 2040 and 48,500 mt CO₂e by 2050 *(aligned with net-zero goal)*

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- *This is equivalent to 4,650,000 therms by 2040 and 9,300,000 therms in 2050.*
- *This is equivalent to 465,300 MMBtu by 2040 and 930,600 MMBtu by 2050.*
- *This is equivalent to a 50% and 100% reduction in natural gas emissions in existing residential buildings by 2040 and 2050, respectively, in comparison to 2025 baseline.*
- **TARGET 4:** Electrify 50% of all commercial buildings by 2040, electrify 95% or more buildings by 2050 (*aligned with net zero goal & BE plan*)
- **TARGET 6:** Reduction of 1,600 mt CO₂e in New Residential Construction natural gas energy use from Erie's forecasted baseline by 2030. (*From BE plan*).
 - *Note that this is equivalent to 300,000 therms (this is how it is phrased in the BE plan) or 30,000 MMBtu.*
 - **NEW TARGET 7:** Reduction of 46,000 mt CO₂e by 2040 and 91,800 mt CO₂e by 2050 (*to align with net-zero goal*)
 - *This is equivalent to 879,500 therms by 2040 and 1,760,000 therms by 2050.*
 - *This is equivalent to 8,790,00 MMBtu by 2040 and 17,588,216 MMBtu by 2050.*
 - *This is equivalent to a 50% and 100% reduction in natural gas emissions in new residential construction natural gas energy use.*
- **NEW TARGET 8:** Update most recent applicable energy codes every 3 years to align with state best practices. (*SAP strategy*)
 - **NEW TARGET 9:** Require all-electric new construction by 2040.
- **TARGET 10:** Add 12 MW of solar capacity to offset electricity emissions and achieve net-zero municipal buildings by 2030 (*from BE plan*).
 - **Rationale:**
 - Follows the targets set in the beneficial electrification plan and builds upon them to set 2040 and 2050 goals.

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- **Notes/Considerations:**
 - Aligns with high-electrification scenario in the GHG model.
- **NEW Target 11:** Require benchmarking for all commercial buildings 20,000–50,000 square feet by 2030 (*SAP strategies*).
 - **Supporting Target 12:** Require benchmarking for all commercial buildings under 20,000 square feet by 2040.
 - **Rationale:** Aligns with State building performance standards and BPC model policy development.

Transportation & Mobility

- **TARGET 1:** Achieve 30% zero-emission vehicles on the road in Erie zip codes by 2030 (*BE Plan + Erie TMP*).
 - **NEW TARGET 1:** 60% by 2040, 95% by 2050 ([Trans Mobility Plan](#)).
- **TARGET 2:** Partner with the State and other organizations to reach 50 EV chargers in Erie by 2030, with at least 3 being level 3 chargers (*from strategies*).
- **TARGET 3:** Electrify 50% of all municipal light duty vehicles by 2030, 100% by 2040 (*Erie EVPP*).
- **TARGET 4:** Electrify 100% of all municipal medium and heavy-duty fleet and equipment by 2050 (*Erie EVPP*).
 - **Rationale:**
 - Follows the 2030 target set in the beneficial electrification plan.
 - Follows the 2050 target set in the 2024 Transportation Mobility Plan (also aligns with State and Boulder County targets).
 - Follows the 2030, 2040, and 2050 targets set in Erie's EV Procurement Policy.
- **TARGET 5:** Work with RTD and CDOT to add one new bus route by 2030, one by 2040, one by 2050 (*from 2019 plan*)
 - **Rationale:**

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- Supports goal to increase ridership and access.
- **Notes/Considerations:**
 - Added 2040 and 2050 target years
 - Relies on partnerships.
- **TARGET 6:** Increase transit ridership by 10% by 2030, 15% by 2040, and 20% by 2050. (*from 2019 plan*)
 - **Rationale:** Supports reduced VMT and transportation emissions.
- **TARGET 7:** Once an e-bike and e-scooter share program is established, track miles and usership. (*strategies*)
- **TARGET 8:** Fill trail gaps identified in the [Connecting YOU to Fun Playbook](#) (*strategies*)
 - **Rationale:** Supports existing efforts
- **NOTE: 2024 Transportation mobility plan recommended thresholds (not official targets, just “recommended thresholds”)**
 - *Implement active transportation facilities identified in the 2024 Transportation Mobility Plan including.*
 - *Implement 5 miles of new or upgraded bike facilities each year (determined based on budget available for bicycle improvements in the 2027–2031 timeframe).*
 - *Implement about 1 mile of new sidewalk a year (or upgrade deficient sidewalk) (determined based on budget available for pedestrian improvements in the 2027–2031 timeframe).*
 - **Rationale:**
 - Follows the recommended thresholds in the Transportation Mobility Plan (Table 35).
 - **Notes/Considerations:**
 - Defines recommended threshold as “adds a threshold for success, if applicable, and additional information for how to track a given metric over time”.

Waste Materials & Diversion

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- **TARGET 1:** Town of Erie (doesn't include regional waste) recycling diversion: 42% by 2030, 60% by 2040, 90% by 2050 (*strategies, modeling, EPR*).
 - **Rationale:**
 - In line with the medium EPR scenario (2030 and 2035) – assume meets 2035 target on the way to 2040.
 - Aligned with URO strategy
 - Erie doesn't have control over regional waste efforts, other than advocacy
 - **Notes/Considerations:**
 - Diversion rates for Erie-focused waste (tonnage focused)
 - Consider removing regional emissions and tonnage from the target conversation given limited control. Also, not certain of the future of the Front Range Landfill.
- **TARGET 2:** Town of Erie organics diversion: 40% by 2030, 65% by 2040, and 90% by 2050 (*strategies*)
 - **Rationale:** Alignment with universal recycling ordinance (to include composting)
 - **Notes/considerations:**
 - Boulder ordinance doesn't require compost but Erie would like to.
- **TARGET 3:** Sign up five businesses for Erie's waste diversion rebates each year until communitywide programming is available that encompasses businesses. (*strategies*)
 - **Rationale:** 1 participant in 2025.

Nature-Based Solutions

- **TARGET 1:** Work with community and partner organizations to install 2 community gardens by 2030, and at least one additional garden by both 2040 and 2050. (*strategies*).

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- **TARGET 2:** Implement a rebate program that incentivizes growing local food such as vegetable gardens in Erie by 2030 (*strategies*).
- **TARGET 3:** Sign up 5 residences, HOAs, or businesses for one of Erie's tree planting programs by 2030.
 - Sign up 15 by 2040.
 - Sign up 25 by 2050.
- **TARGET 4:** Update the Landscape Code to require green infrastructure for Town-funded development projects by 2030 (*strategies*).
 - Expand requirements for all commercial development in Erie by 2040.
- **TARGET 5:** Research and explore the impacts of implementing a one-in, one-out tree policy for all new development and additions by 2030 (*strategies*).

Education & Outreach

- **TARGET 1:** Host or participate in a minimum of five community events (i.e., farmer's markets, showcases, a 10k, special topic webinars/in person, etc.) annually to educate the community about sustainability by 2030 (*strategies*).
- **TARGET 2:** Double the number of residents and businesses participating in programs offered through Xcel, United Power, Erie, Boulder County PACE, Decarbonize DRCOG, Colorado Green Business Network, and more by 2030 (from 2025 numbers) (*strategies*).
 - 20% of incentives or resources to go to income-qualified households and/or priority geographies.
- **TARGET 4:** Engage with at least one youth-based group and one arts/cultural group to educate them on sustainability or collaborate on sustainability projects by 2030 (*strategies*).
- **TARGET 5:** Create a sustainability curriculum for Town staff by 2030 (*strategies*).

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- **TARGET 6:** Support 3 Erie neighborhoods in achieving certification with the Sustainable Neighborhood Network by 2030.
 - Support all Erie neighborhoods participating by 2050 including ongoing certification (*strategies*).