

La Mesa CAP

Environmental Sustainability Commission

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Overview

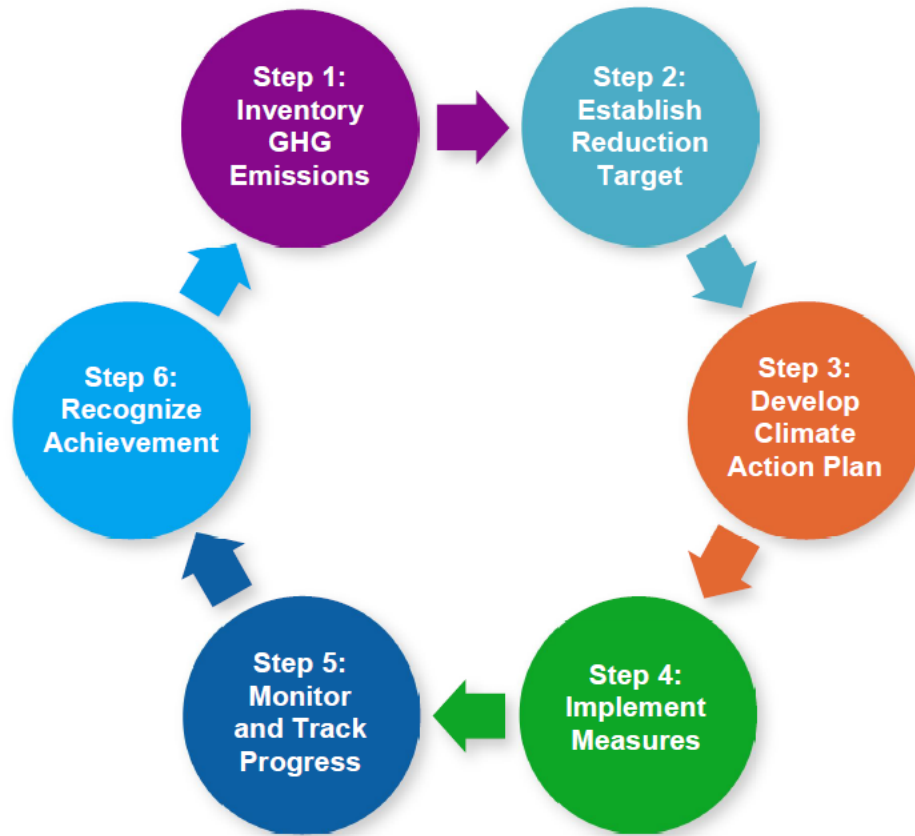
- 1. Background**
- 2. Current Effort**
- 3. Input**
- 4. Next steps**

Background

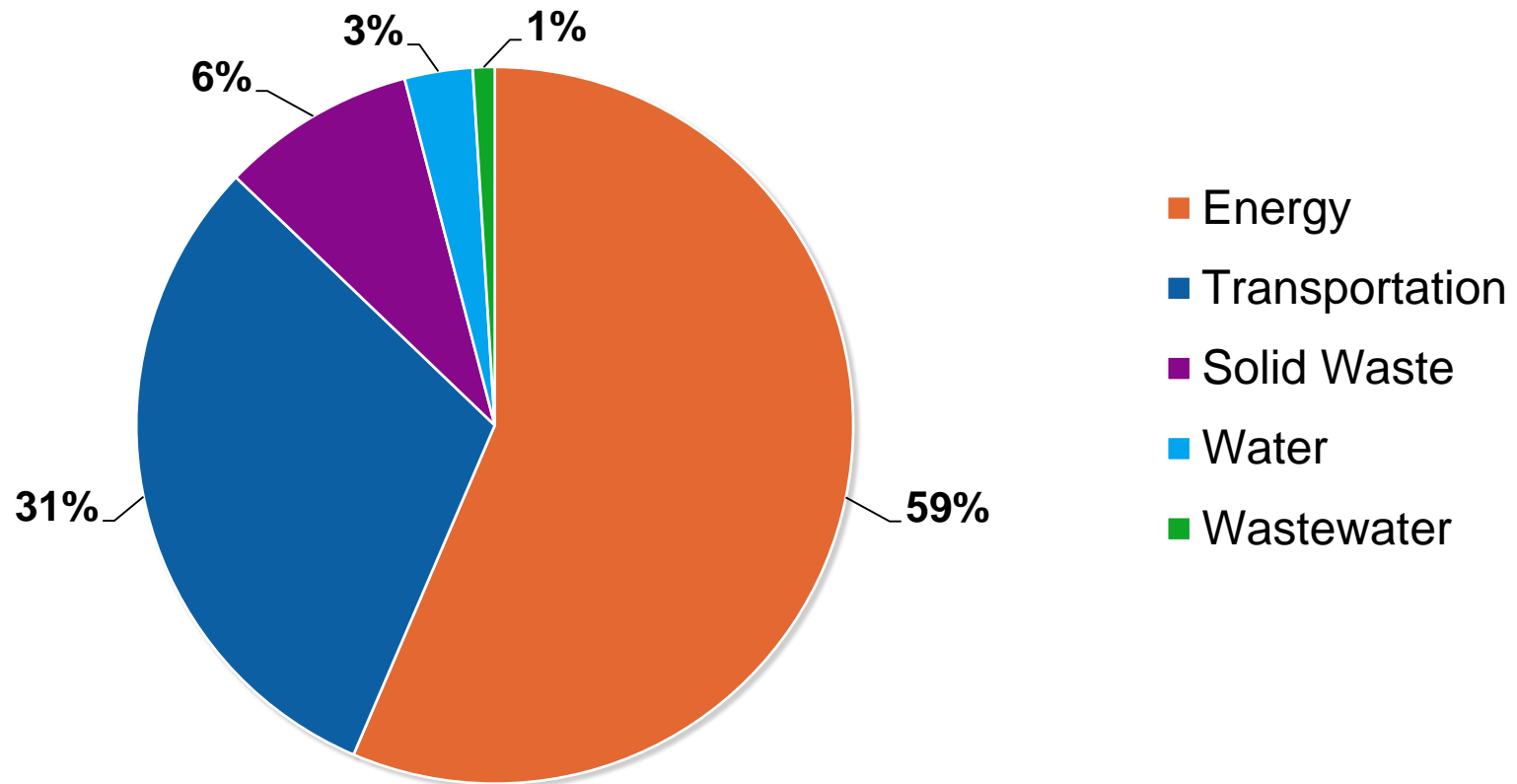
- 1. California Global Warming Solutions Act**
- 2. San Bernardino County**
- 3. SB 97 and CEQA Guidelines**
- 4. General Plan EIR Mitigation Measure**

Components of a CAP

Figure 1.2 – CAP Development Process

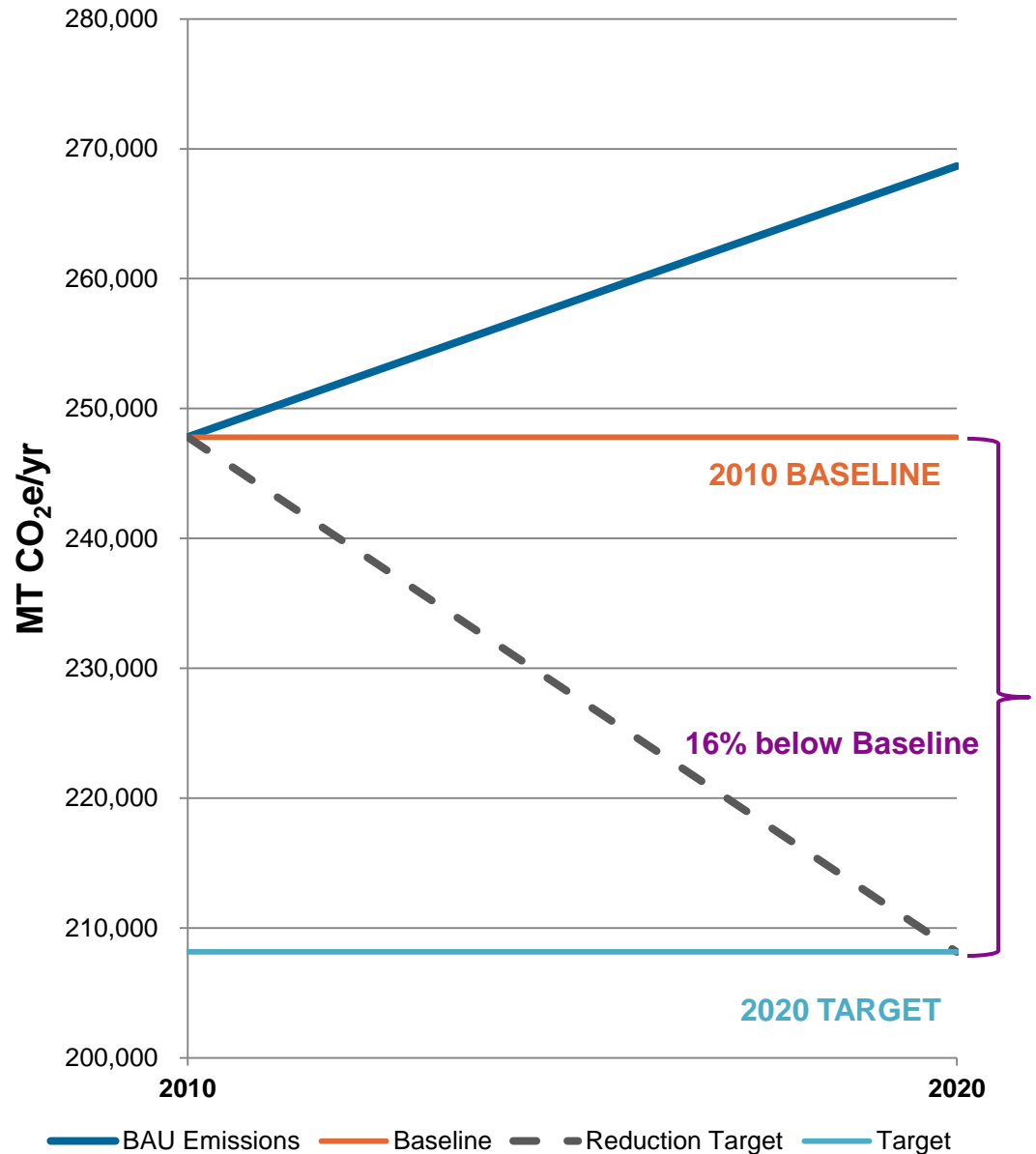


La Mesa's Emissions Sources - 2010



La Mesa GP EIR

- Mitigation Measure 4.5.5, GHG-1:
 - Adopt CAP achieving 15% reduction from 2005 levels by 2020
- Draft CAP proposes 16% below baseline (i.e. 2010) target by 2020



CAP Reduction Strategies



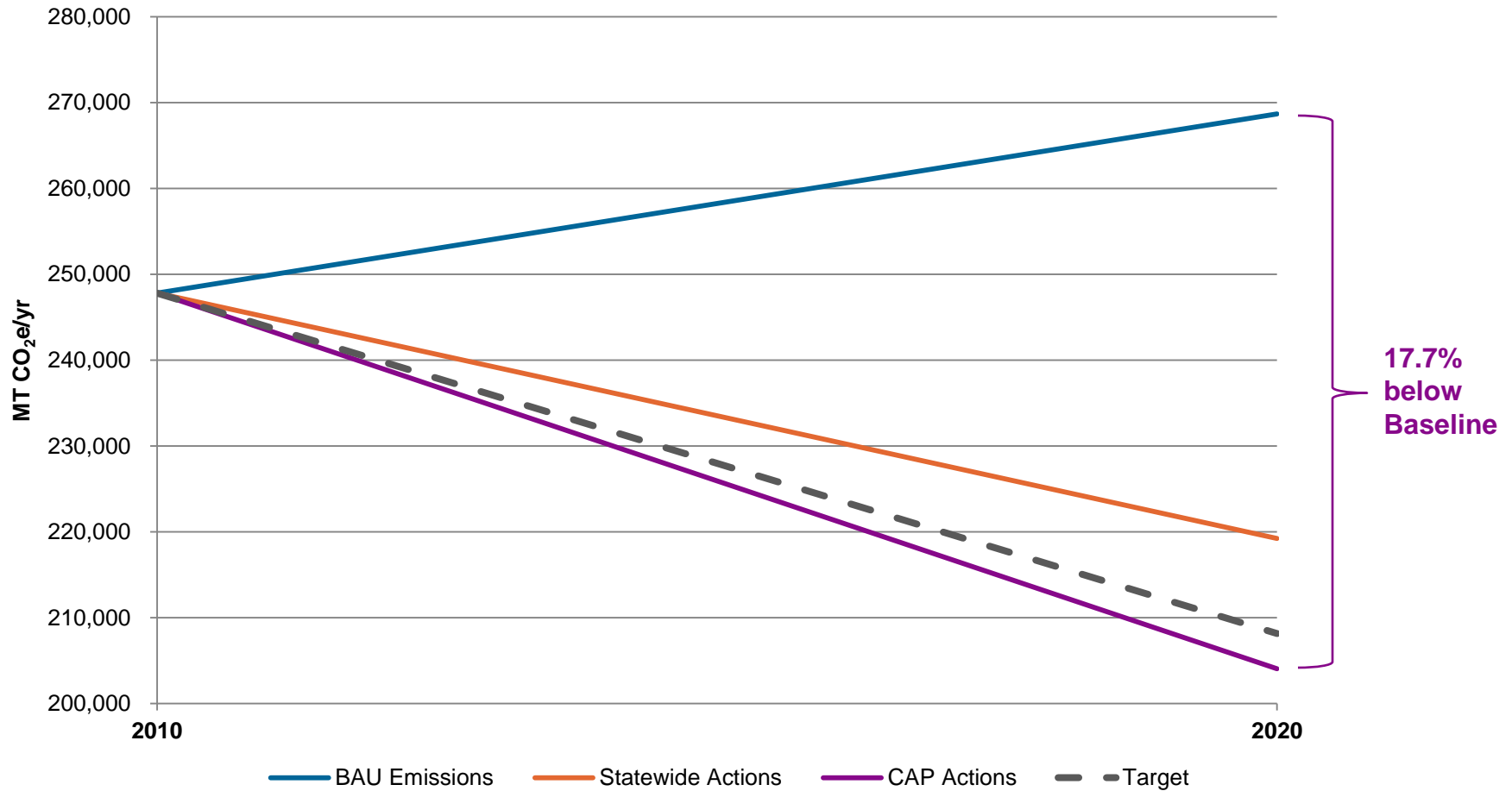
- Statewide measures assessed
- CAP describes 6 strategies and 21 measures
- Quantification of reductions from measures with data is available, and where would not double count BAU (VMT)
- Draft CAP achieves the remaining portion of target

Summary of Strategies and Quantified Reductions



- Energy
- Transportation and Land Use
- Water
- Solid Waste
- Green Infrastructure
- Implementation
 - Total reduction 64,445 MTCO₂e
 - 17.7% reduction

2020 Target Achievement



MT CO₂e/yr – Metric Tons of Carbon Dioxide equivalent per year

BAU – “business as usual”

Implementation and Monitoring



- All CAPs are built on assumptions
- Participation rates, development market, etc.
- Implementation Measure I-2
 - Inventory updates
 - Monitoring of individual measures
 - Annual reporting to City Council
 - CAP updates

Longer-Term CAP

- 1. Draft CAP Reviewed**
- 2. Presented to Planning Commission**
- 3. Discussion of Longer-Term Target**
- 4. Additional Reduction Strategies**

Community Survey Results



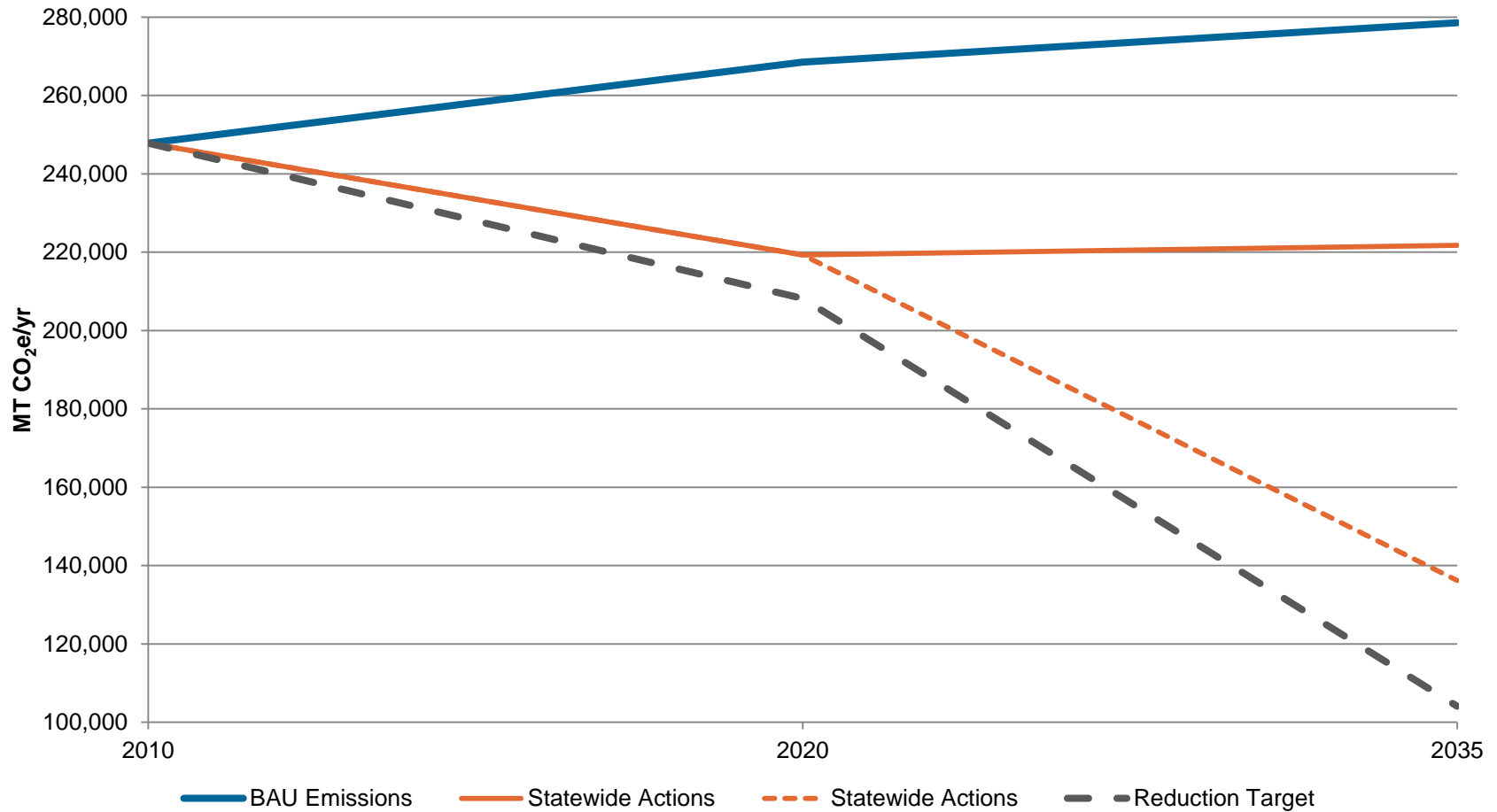
- Provide additional information on renewable energy financing programs / energy rebate programs
- Increase alternative fuel vehicle refueling stations in the City
- Nearly half *only* support voluntary measures
- Nearly half support development of mandatory CAP measures to achieve the City's emissions targets

2035 Projections



- Business as usual emissions and statewide reductions projected through 2035
- Draft 2035 target options compared against emissions projections
- Assumptions:
 - apply statewide actions to future emissions and
 - assume the State does the same share in 2035 as 2020.

2035 Statewide Reduction Scenarios



MT CO₂e/yr – Metric Tons of Carbon Dioxide equivalent per year

BAU – “business as usual”

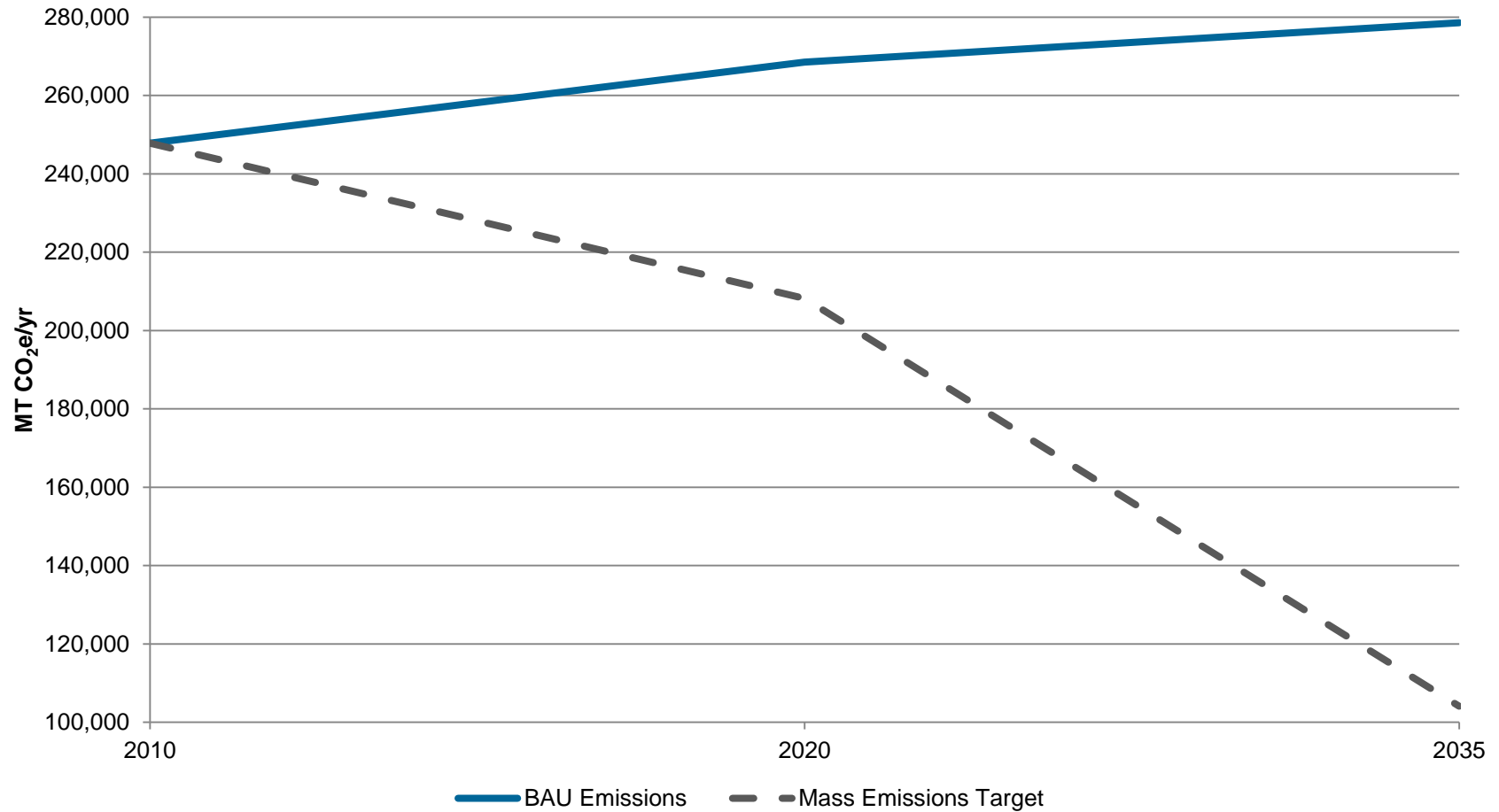
2035 Target Options



- Total emissions target, like 2020
 - (Also known as “mass emissions target”)
 - **50% below 1990** levels by 2035 (58% below 2010 baseline)
- Efficiency target
 - “Efficiency” means emissions per unit (rate)
 - **2.27 MT CO₂e per service population per year** in 2035
 - “Service Population” = residents + employees

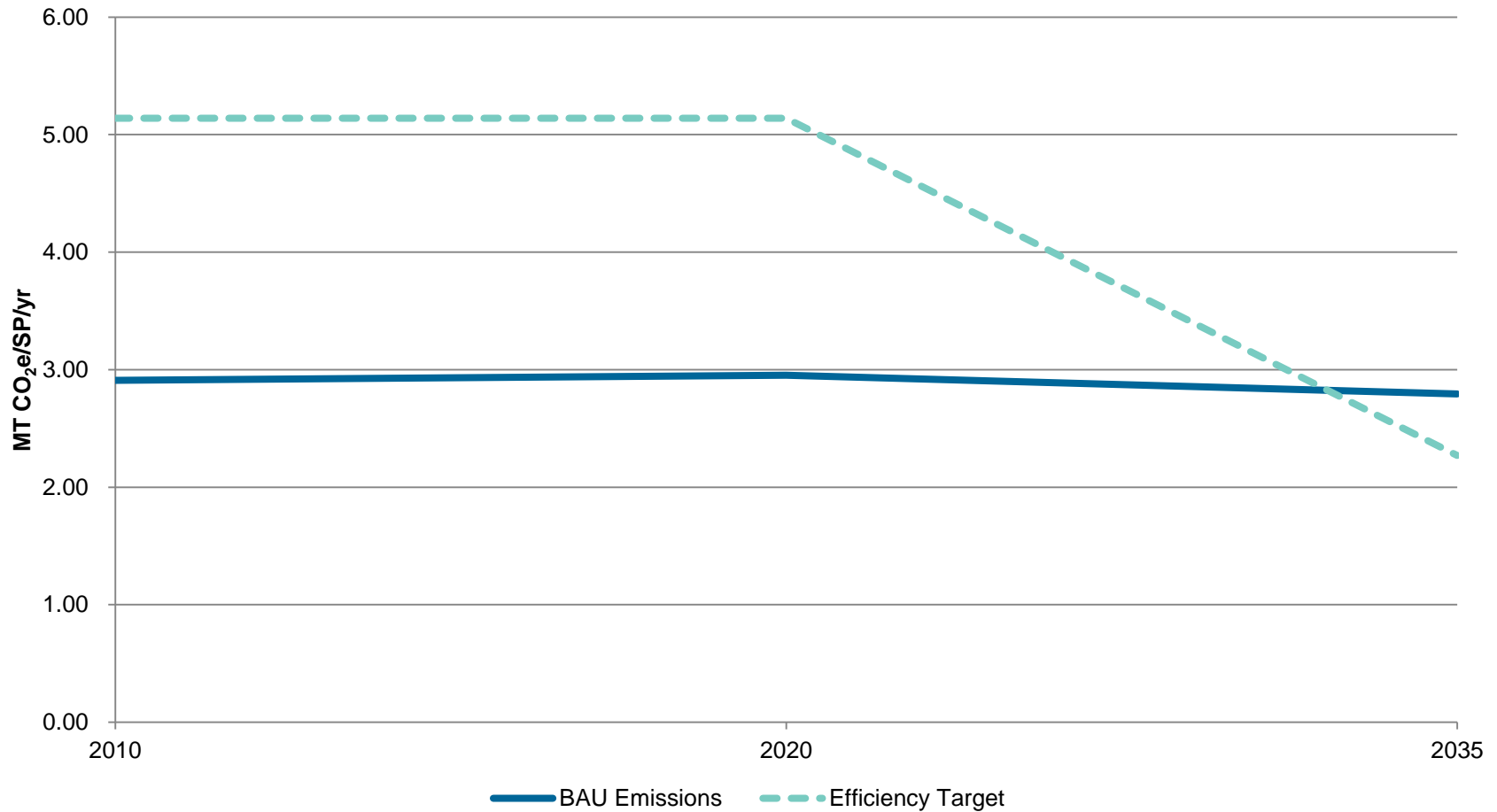
MT CO₂e/yr – Metric Tons of Carbon Dioxide equivalent per year
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2035 Mass Emissions Target



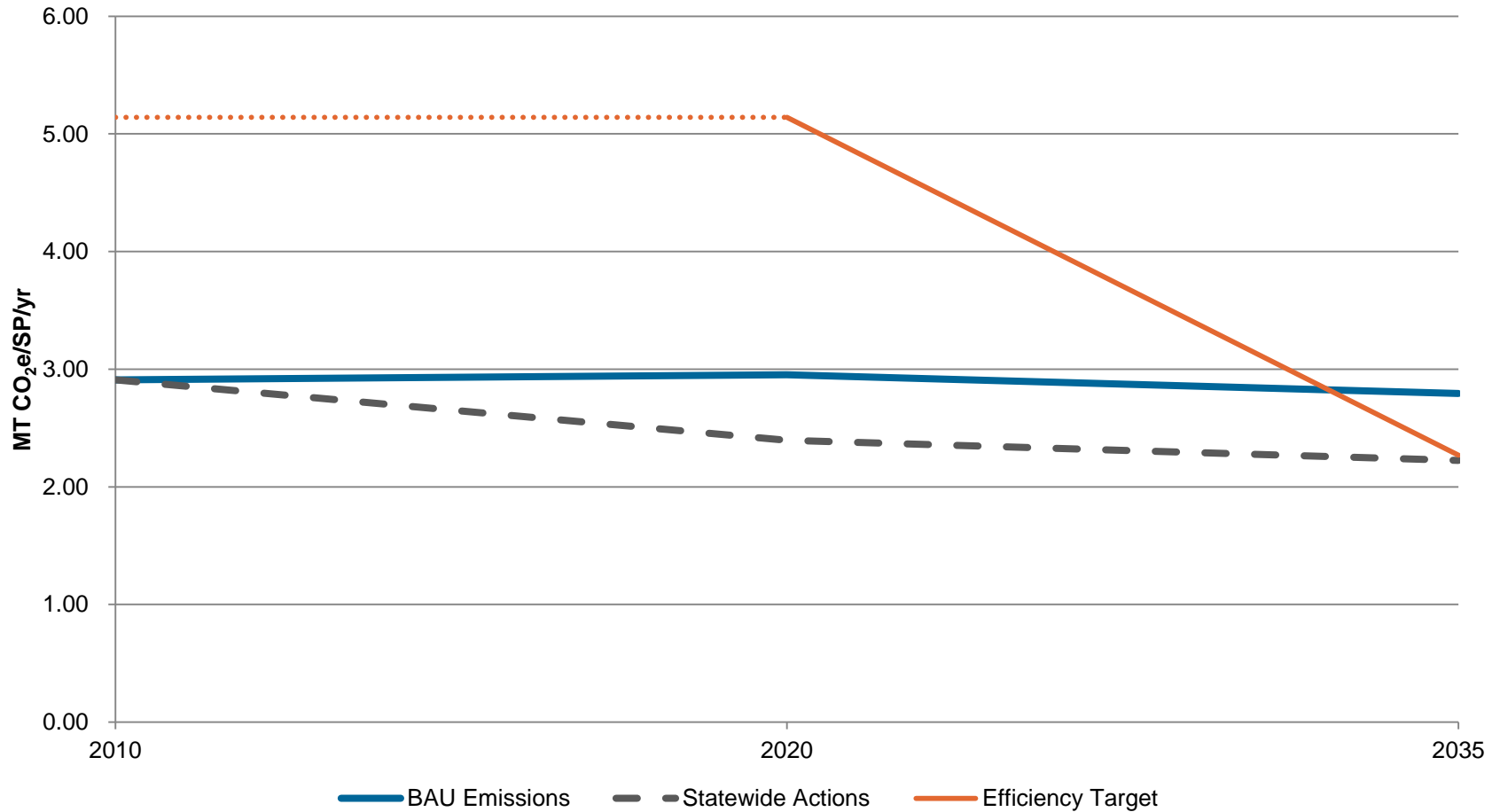
MT CO₂e/yr - Metric Tons of Carbon Emissions / year
BAU - Business as usual

2035 Efficiency Target



MT CO₂e/yr - Metric Tons of Carbon Emissions / year
BAU - Business as usual

2035 Statewide Reduction Scenarios



Achieving the 2035 Target



- Statewide actions would achieve efficiency target
- Additional local strategies would be required if total emissions target is chosen
- Benefit of Statewide actions is unknown beyond 2020
- Upcoming Scoping Plan Update

Your Input



- Discuss preferences for additional reduction strategies
- Energy and transportation account for 90% of community emissions
- Reduction targets after 2020 will need to focus on energy and transportation
 - Other sectors are important for other reasons (conserve water, extend the operable lifetime of landfills, etc., but not necessarily for GHG reductions)

Breakout Discussion



- Thoughts on a 2035 Target
- What emission sources should the City target?
- Are there reduction strategies you have heard of elsewhere we should consider?
- Should the City identify additional mandatory measures or identify additional incentive-based measures? Or both?

Next Steps



- Evaluate the input
- Return to the Environmental Sustainability Commission with analysis.