

# La Mesa CAP

## Environmental Sustainability Commission

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# Overview

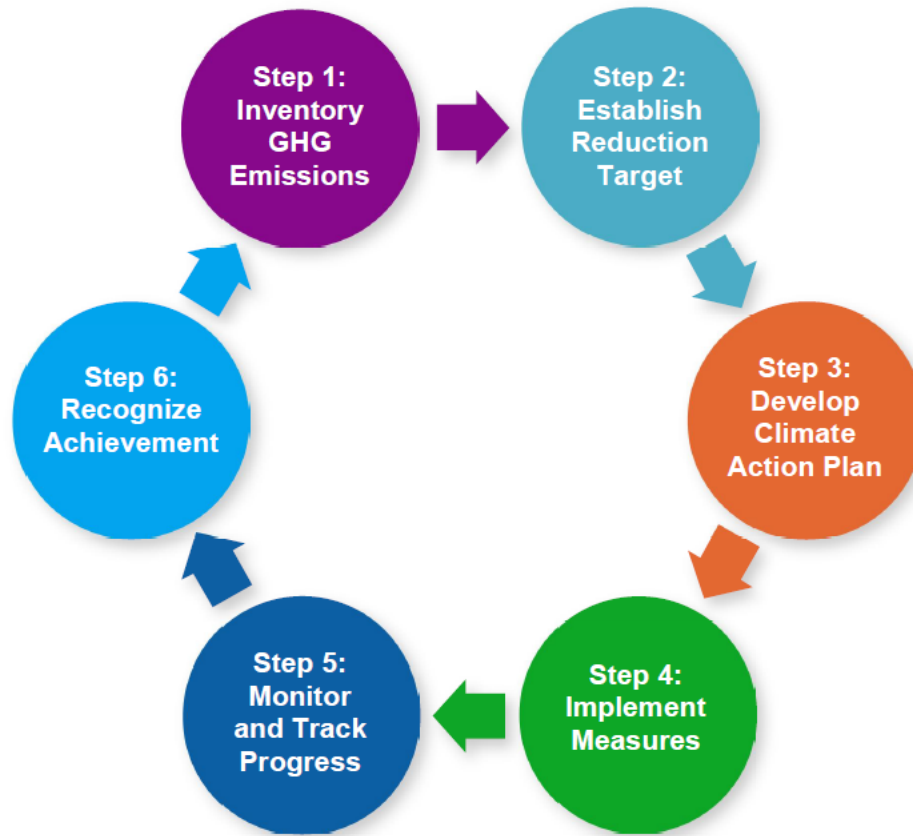
- 1. Background**
- 2. Current Effort**
- 3. Input**
- 4. Next steps**

# Background

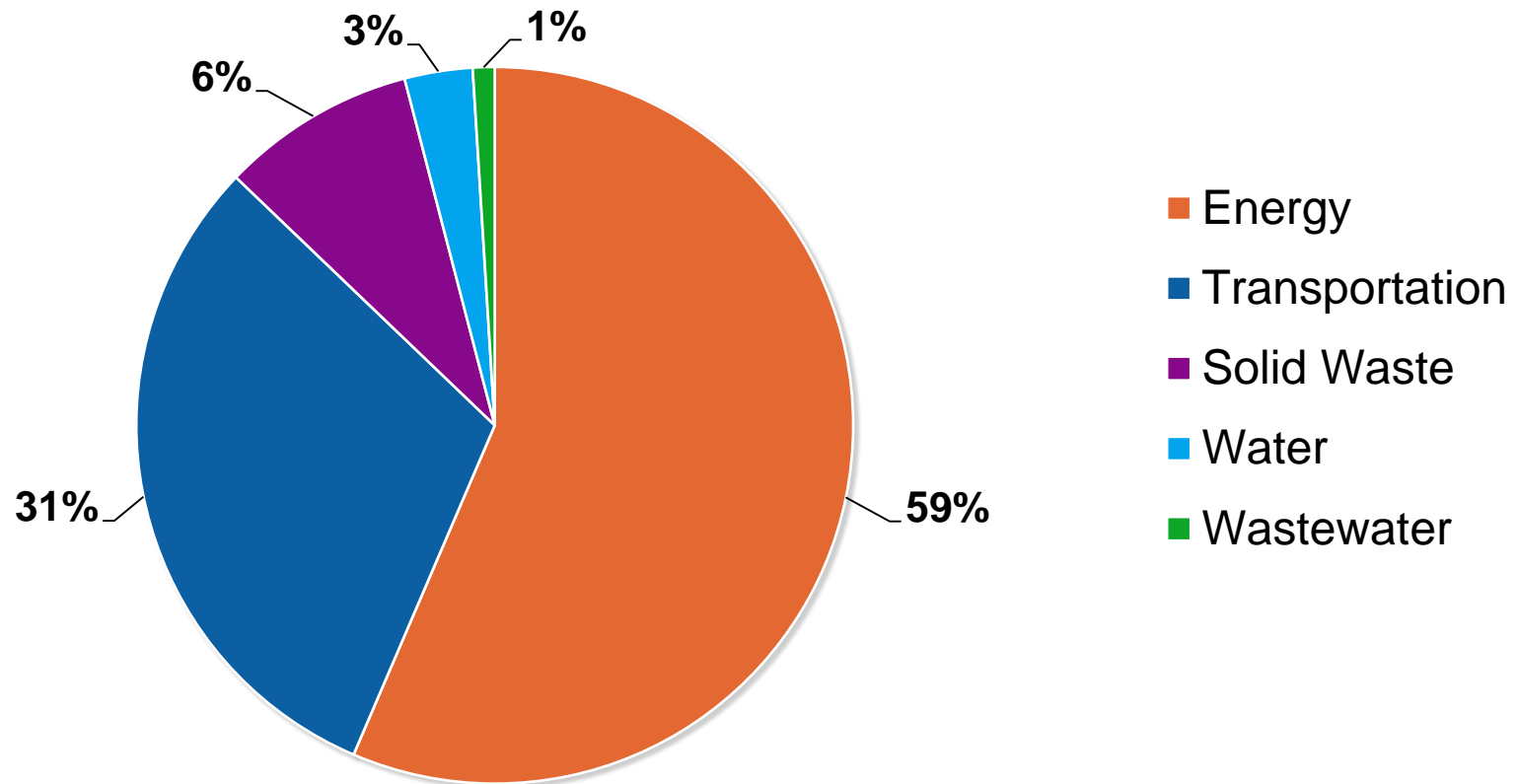
- 1. California Global Warming Solutions Act**
- 2. San Bernardino County**
- 3. SB 97 and CEQA Guidelines**
- 4. General Plan EIR Mitigation Measure**

# Components of a CAP

Figure 1.2 – CAP Development Process

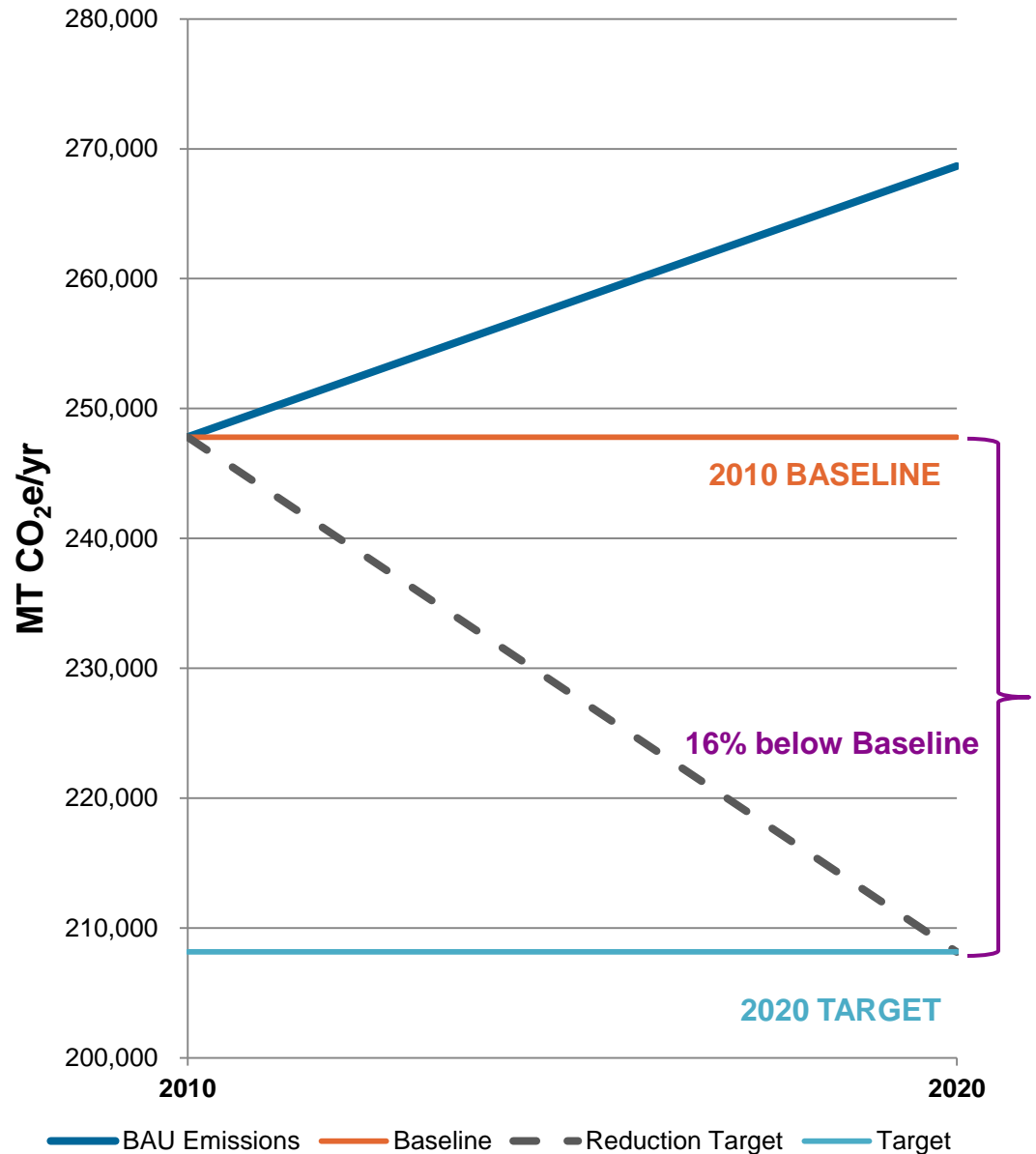


# La Mesa's Emissions Sources - 2010



# 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

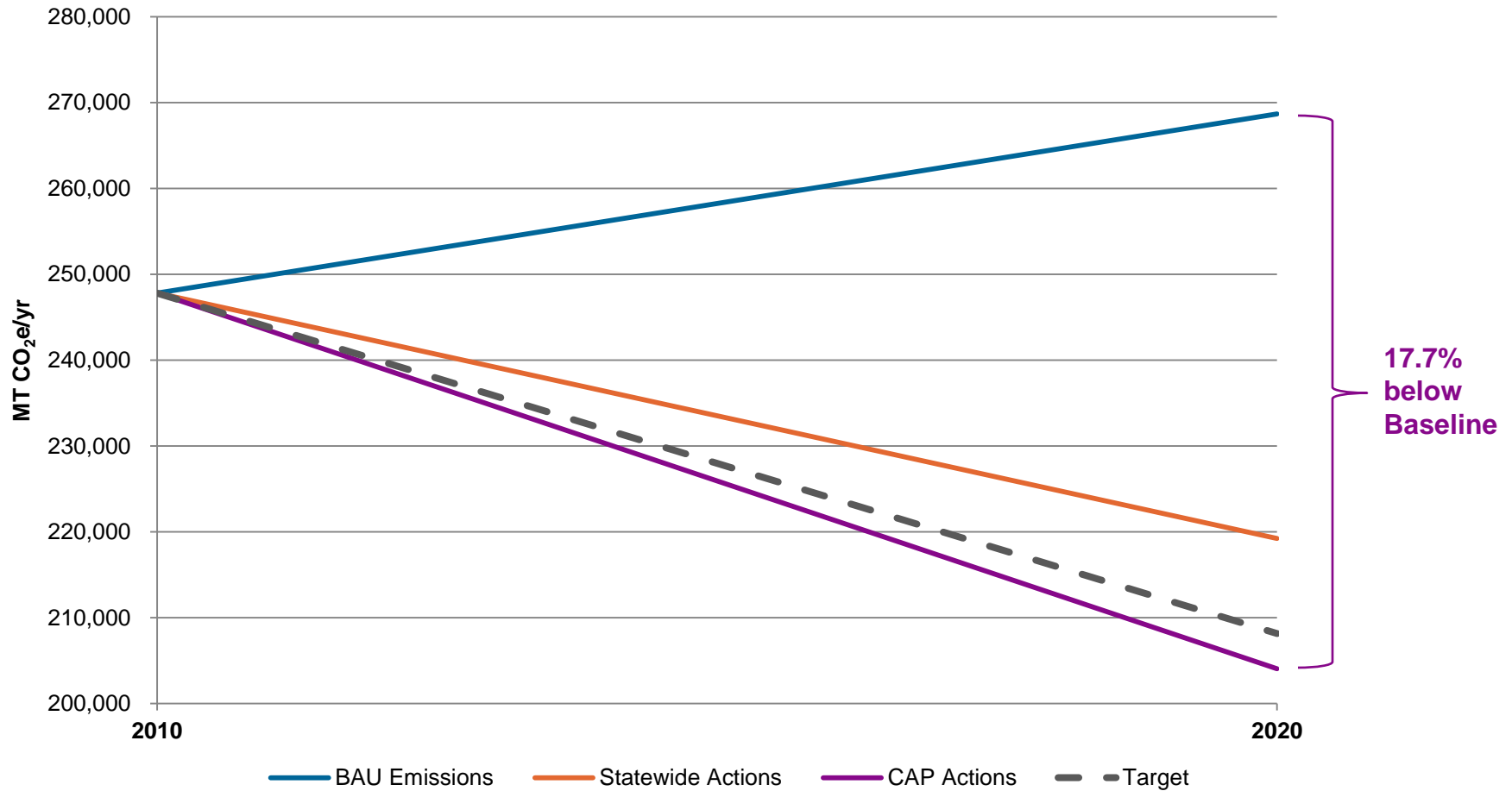
# Summary of Strategies and Quantified Reductions



- Energy
- Transportation and Land Use
- Water
- Solid Waste
- Green Infrastructure
- Implementation
  - Total reduction 64,445 MTCO<sub>2</sub>e
  - 17.7% reduction



# 2020 Target Achievement



MT CO<sub>2</sub>e/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



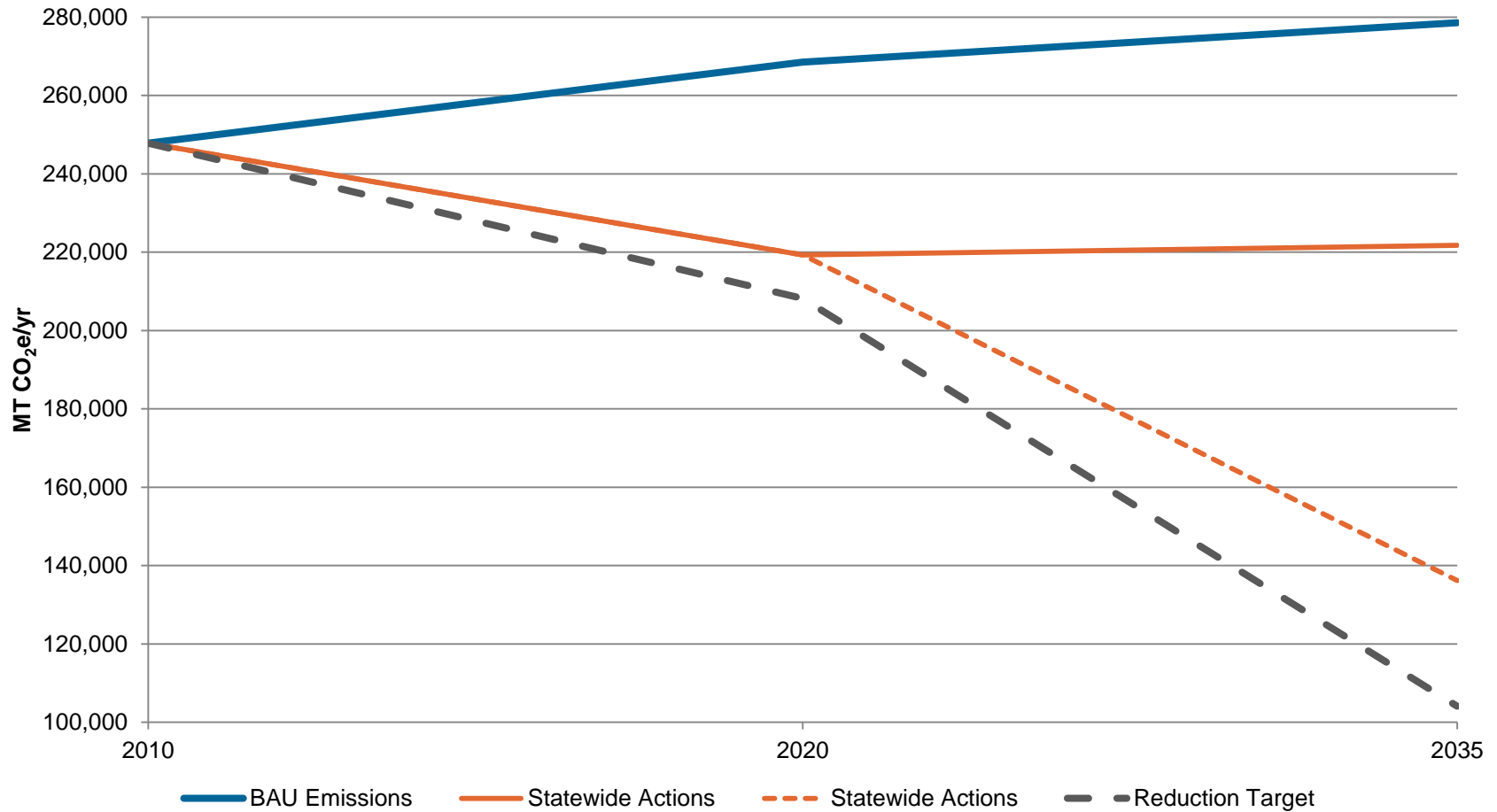
- Provide additional information on renewable energy financing programs / energy rebate programs
- Increase alternative fuel vehicle refueling stations in the City
- Nearly half *only* support voluntary measures
- Nearly half support development of mandatory CAP measures to achieve the City's emissions 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 CO<sub>2</sub>e/yr – Metric Tons of Carbon Dioxide equivalent per year

BAU – “business as usual”

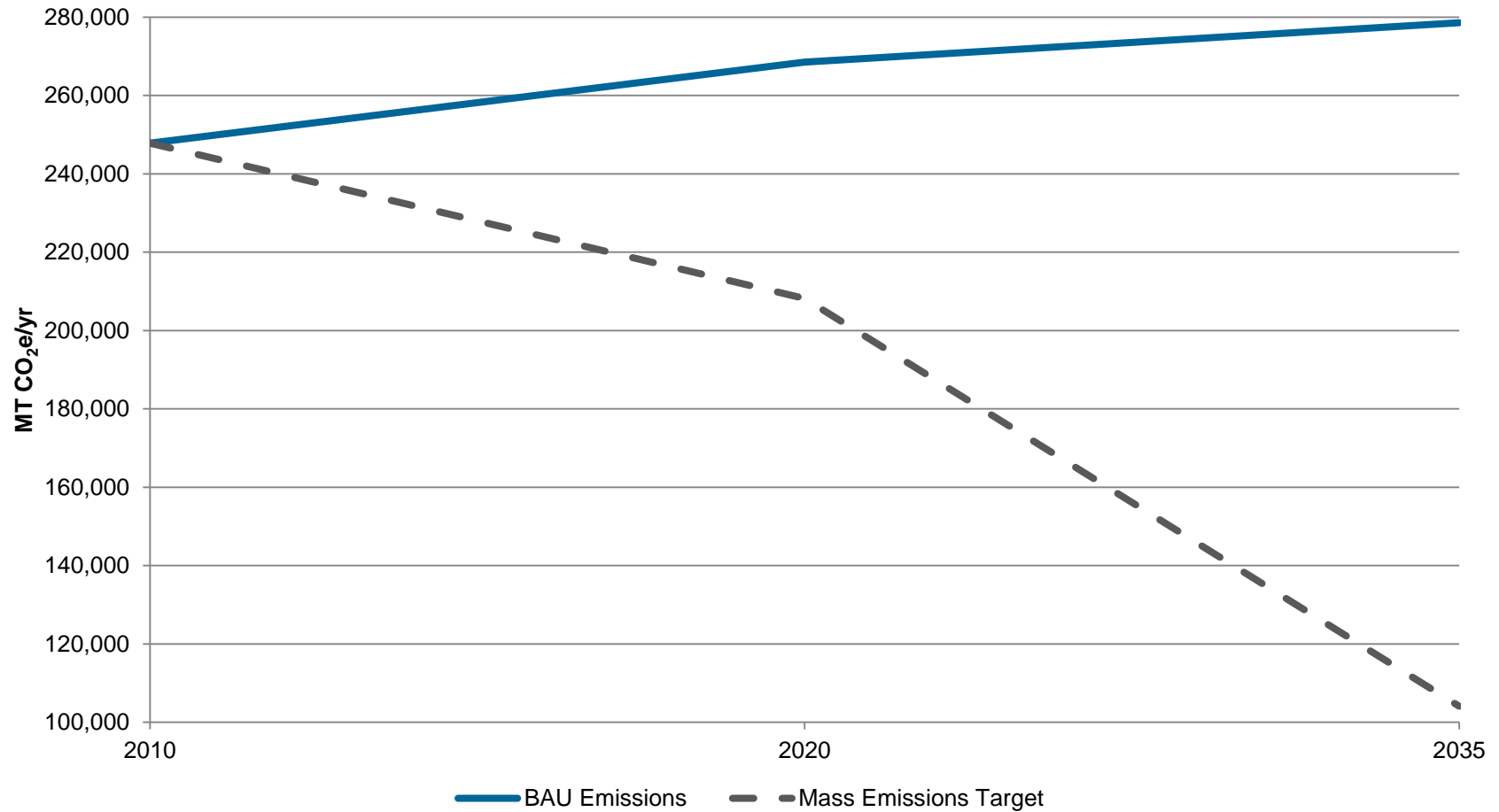
# 2035 Target Options



- 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 CO<sub>2</sub>e per service population per year** in 2035
  - “Service Population” = residents + employees

MT CO<sub>2</sub>e/yr – Metric Tons of Carbon Dioxide equivalent per year  
BAU – “business as usual”

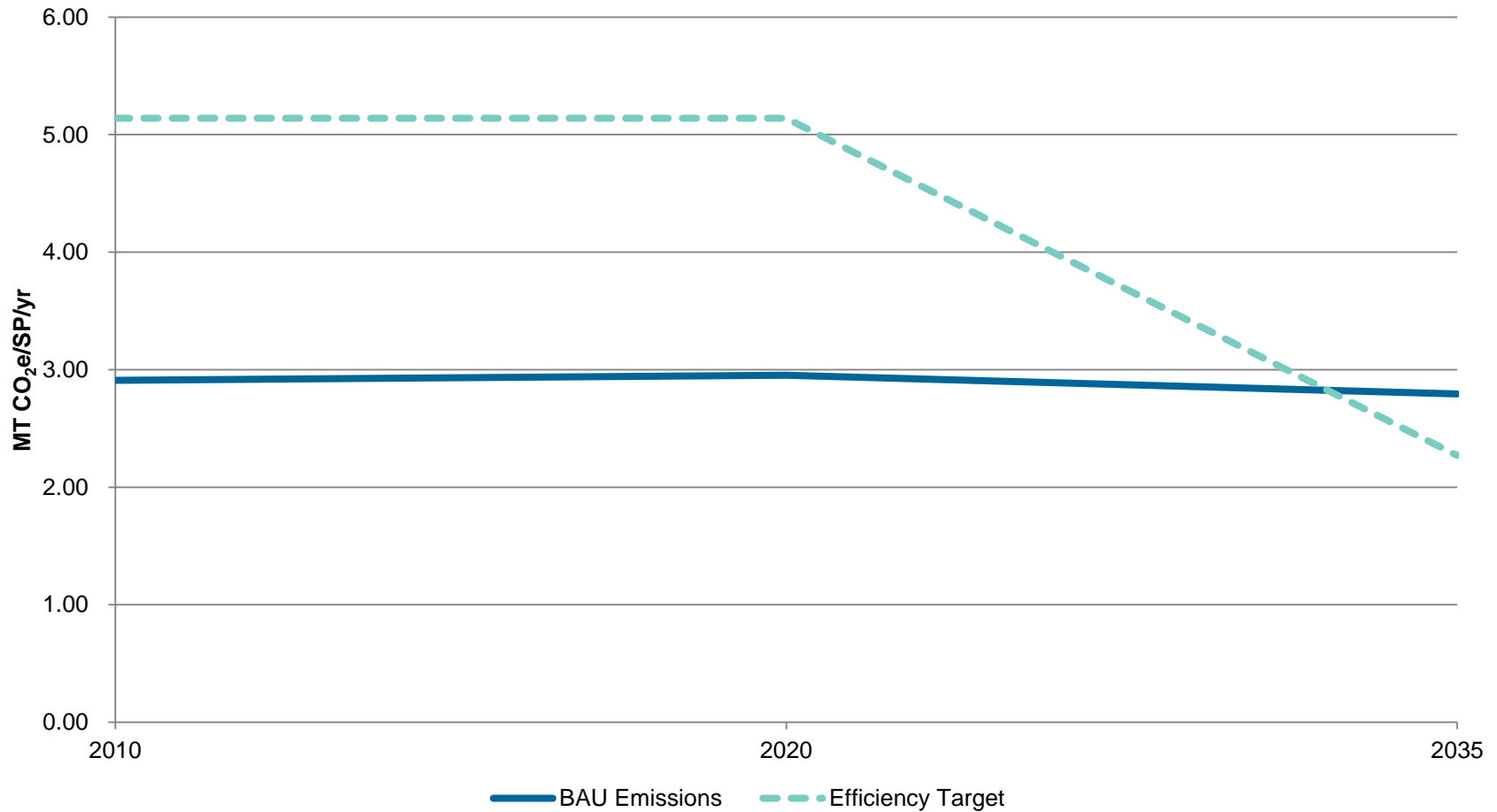
# 2035 Mass Emissions Target



MT CO<sub>2</sub>e/yr - Metric Tons of Carbon Emissions / year  
BAU - Business as usual

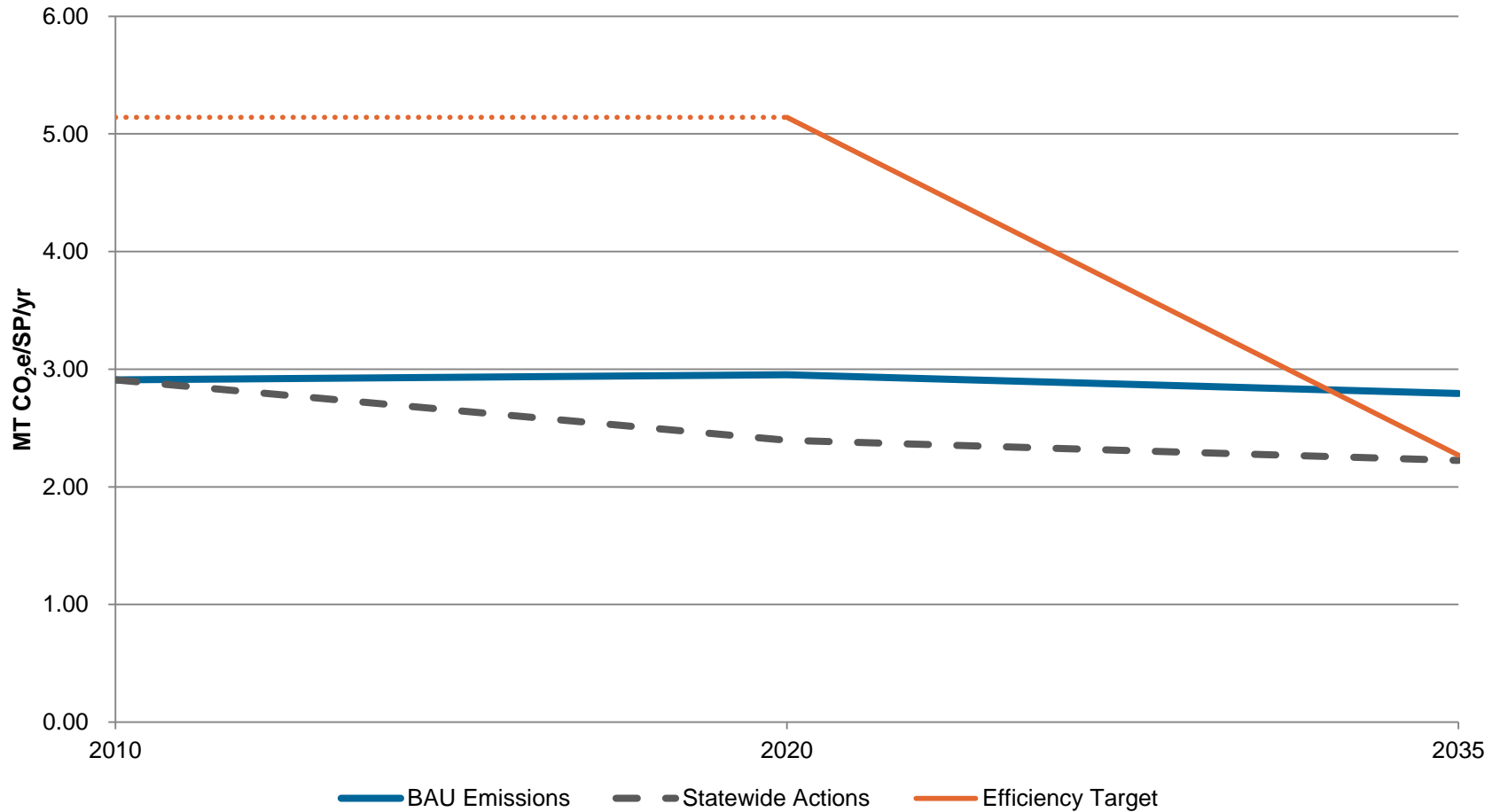


# 2035 Efficiency Target



MT CO<sub>2</sub>e/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.