

Environmental Sustainability Commission
City Council Climate Action Plan Subcommittee
November 13, 2017

City of La Mesa Draft Climate Action Plan

Presentation Outline

1. La Mesa GHG Baseline
2. GHG Reduction Target Guidance
3. 2020 Target (from General Plan)
4. 2035 Target (General Plan Horizon)
5. Greenhouse Gas Emissions Reduction Strategies
6. Timeline
7. Recommendation

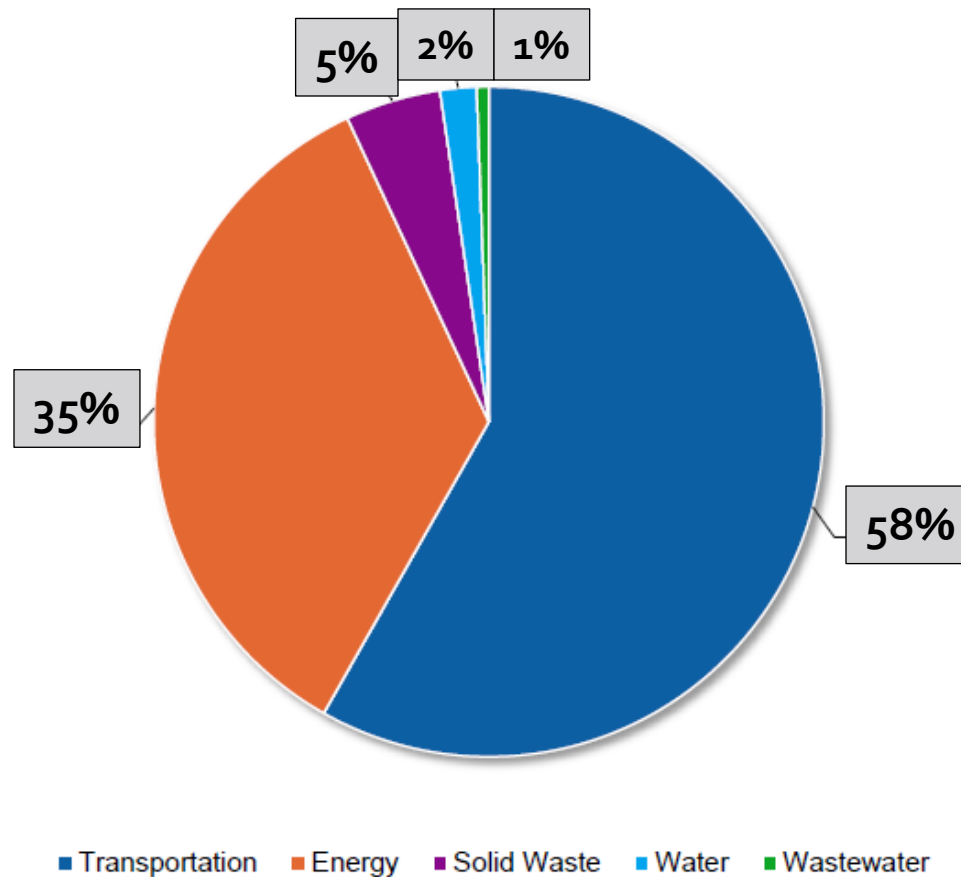
La Mesa Context and GHG baseline

- Built out community
 - Existing land use pattern
 - Highest gross residential density (dwelling units per acre)
 - Second highest employment and population density (per square mile)
 - Implemented Transit Oriented Development early on
 - Transportation infrastructure lead to lower VMTs
 - 7 bus routes
 - 5 trolley stations
 - 3 freeways
- What does this mean?**
- Equates to a 7.37 MT CO₂e/yr per capita 2010 baseline emissions level = 422,672 MT CO₂e/yr 2010 baseline
 - Less than the region- 10 MT CO₂e/yr per capita
 - Already starting with a low emissions baseline

2010 Baseline Emissions

422,672 MT CO₂e/yr

Figure 2.1 – 2010 Baseline Emissions by Sector



Source: EPIC 2014, AECOM 2017

GHG Reduction Target Guidance

- California Air Resources Board Scoping Plan and OPR recommendations allows flexibility for local jurisdictions provided there is substantial evidence
 - Baseline year, forecasts, target setting, mandatory or mix of voluntary and mandatory measures
 - ARB provides local guidance that supports mass (total) and efficiency (per capita) targets.
 - New guidance allows local agencies to reflect what is in their community

2020 Reduction Target

- La Mesa is implementing the 2020 target pursuant to the General Plan Mitigation Measure to reduce emissions **15% below baseline by 2020**
- This level of reduction is consistent with the State's target to reduce statewide emissions to 1990 levels by 2020
- Local reductions needed to achieve target = 16,871 MT CO₂e/yr
- Adoption of the CAP and SEIR satisfies this General Plan EIR mitigation measure.

2035 Reduction Target

- A 2035 target is chosen because that is the City's General Plan horizon year
- La Mesa's 2010 baseline emissions is **422,672 MT CO₂e/yr** .
- The 2035 reduction target was derived by taking the State's 2010 emissions and comparing that to the State's 2035 emissions forecast (which is a 53% reduction)
- The 2035 La Mesa target is **53% below the 2010 baseline**
- Local reductions needed to achieve the 2035 target =
103,407 MT CO₂e/yr

Measurable Reduction Strategies

Energy Strategies- 2035

Energy Strategy E-9- *Partner with other San Diego County jurisdictions to develop a regional Community Choice Aggregation option (or similar program).*

2035 GHG Reduction Goal: 37,240 MT CO₂e/yr

Performance target: 80% of La Mesa residents and businesses participate in CCA (or similar) program that provides 100% clean electricity (i.e., zero-emissions) by 2035

Measurable Reduction Strategies

Energy Strategy E-1- *Complete energy efficiency retrofits in existing residential and non-residential buildings.*

2020 GHG Reduction Goal: 4,200 MT CO₂e/yr

2035 GHG Reduction Goal: 17,810 MT CO₂e/yr

Reduction targets:

- Reduce electricity consumption by 36.4 million kWh/yr from the 2010 baseline; Reduce natural gas consumption by 360,500 therms from the 2010 baseline [by 2020]
- Reduce electricity consumption by 91.6 million kWh/yr from the 2010 baseline; Reduce natural gas consumption by 962,500 therms from the 2010 baseline [by 2035]

Measurable Reduction Strategies

Transportation Strategies

2020 GHG Reduction Goal: **3,890 MT CO₂e/yr**

2035 GHG Reduction Goal: **22,470 MT CO₂e/yr**

Performance Target: Reduce VMT per capita by 6% compared to 2010 levels

Highlighted Action:

- General Plan Amendment and Zone Change to expand Mixed Use land use designation and Overlay Zone in vicinity of Amaya Trolley Station and Spring Street Trolley Station (SANDAG Smart Growth Areas).
- Bicycle and pedestrian infrastructure development- 3 miles of Class II bike lanes by 2020 and 10 miles by 2035.
- EV Charging Station- Install 10 vehicle EV charging station at La Mesa Civic Center.

Measurable Reduction Strategies

Solid Waste Strategy SW-3- 75%Waste Diversion Goal

Maximize waste diversion efforts community-wide with particular focus on organic and recyclable waste

2035 GHG Reduction Goal: **17,050 MT CO₂e/yr**

Performance Target: 12,500 tons, or less, of solid waste disposed in landfills (**75% waste diversion**) by 2035

Measurable Reduction Strategies

Green Infrastructure Strategy GI-2: Urban Forestry program
Increase La Mesa's urban forest canopy coverage

2035 GHG Reduction Goal: **6,300 MT CO₂e/yr**

Current 18% tree canopy coverage to be 33% by 2035.

Performance Target:

- City will develop an Urban Forest Master Plan and contract with an Urban Forester to serve as strategic, long-range guide to proactively grow, improve, and manage City's urban forest;
- Master Plan will be implementation pathway for expansion of City's urban forest;

Timeline

- **Nov '17-** Draft CAP, Appendices, and Supplemental EIR (SEIR)
- **Nov 13, 2017-** Draft CAP review by Environmental Sustainability Commission; provide recommendation to Planning Commission
- **Nov '17 to Jan '18-** 45-day public comment period for SEIR
- **Jan '18-** Planning Commission reviews draft CAP, Appendices, and SEIR; provides recommendation to City Council
- **February '18-** City Council reviews and adopts draft CAP, Appendices, and certifies SEIR

Recommendation

- Receive the presentation on November 13, 2017,
- Accept public comment,
- Deliberate on the proposed Climate Action Plan, and
- Provide a recommendation to the Planning Commission.

Questions / Comments