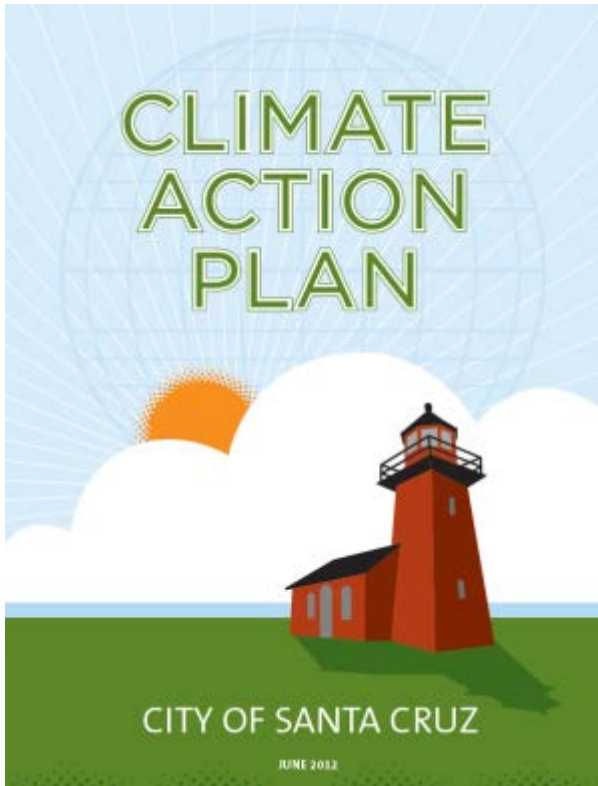


CLIMATE ACTION PLAN PROGRESS UPDATE

Climate Action Program
JUNE, 2017

CLIMATE ACTION PLAN — AT A GLANCE



KEY CLIMATE ACTION PLAN IMPLEMENTATION STRATEGIES

Department
Heads
(bimonthly meetings)

Employee
Sustainability Team
(monthly meetings)

Community Climate
Action Task Force
(quarterly meeting)

Key Departmental
Staff + Programs
(ongoing)

Climate Action Plan 2015-2017 Implementation Strategies



Resource Recovery Program

What is Currently Underway

1. The City has added three CNG and six hydraulic hybrid refuse and recycling trucks to our fleet to further reduce GHG emissions from collection operations.
2. A carpet recycling program began in the City of Santa Cruz in January 2015 collection a total weight of 35,620 pounds.
3. During the month of June 2015 (including our regular Bulky Item pick up and UCSC move out) we collected and shipped out over 450 mattresses and foundations .

Priority Milestones:

- ◆ Maximize organic waste diversion by 2020

Continue to implement programs to become a zero waste City by 2030.

- ◆ Enhance City solid waste diversion incentives, outreach programs, and other activities to achieve 75% waste diversion by 2020 (71% diversion rate for 2015).
- ◆ Continue anti-contamination Recycle Right outreach program.
- ◆ Expand construction and demolition waste reduction programs in partnership with the Green Building program.
- ◆ Investigate options for processing food waste to generate renewable energy and/or compost or soil amendments.
- ◆ Implement State wide Extended Producer Responsibility (EPR) laws including carpet diversion and mattress collection programs.
- ◆ Encourage City residents and businesses to reuse recycled and repurposable materials.

Increase diversion of organic material by 50% by 2020 (2015 baseline).

- ◆ Work with Sustainability Team to establish a sustainable compost system at City Hall.
- ◆ Develop a zero waste plan for City buildings and operations.
- ◆ Reduce the amount of recyclable and compostable materials in the commercial waste stream.
- ◆ Evaluate options and select method to achieve 50% commercial divertible food waste by 2030.

Reduce emissions from waste collection and fugitive sources by 10% by 2020.

- ◆ Implement an energy efficient vehicle purchasing policy.



Contact

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Mary Simmons, Waste Reduction

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809 Center Street, Room 206
Santa Cruz, CA 95060
P: 831.420.5542

E: bnelson@cityofsantacruz.com

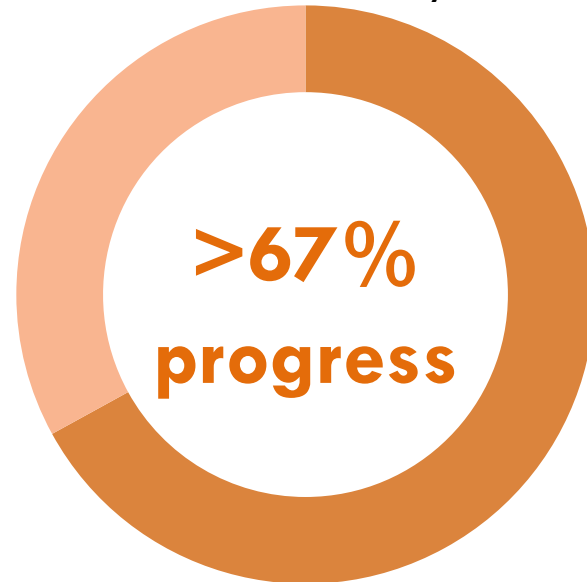
www.cityofsantacruz.com/resourcecovery

12 CLIMATE ACTION MILESTONES — AT A GLANCE

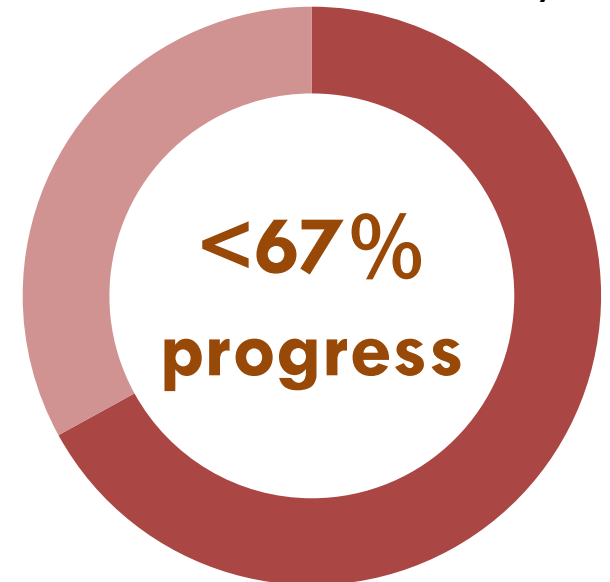
number of milestone indicator targets **achieved** = 1



number of milestones indicator targets **on track** to be achieved by 2020 = 7



number of milestones indicator targets **NOT on track** to be achieved by 2020 = 4

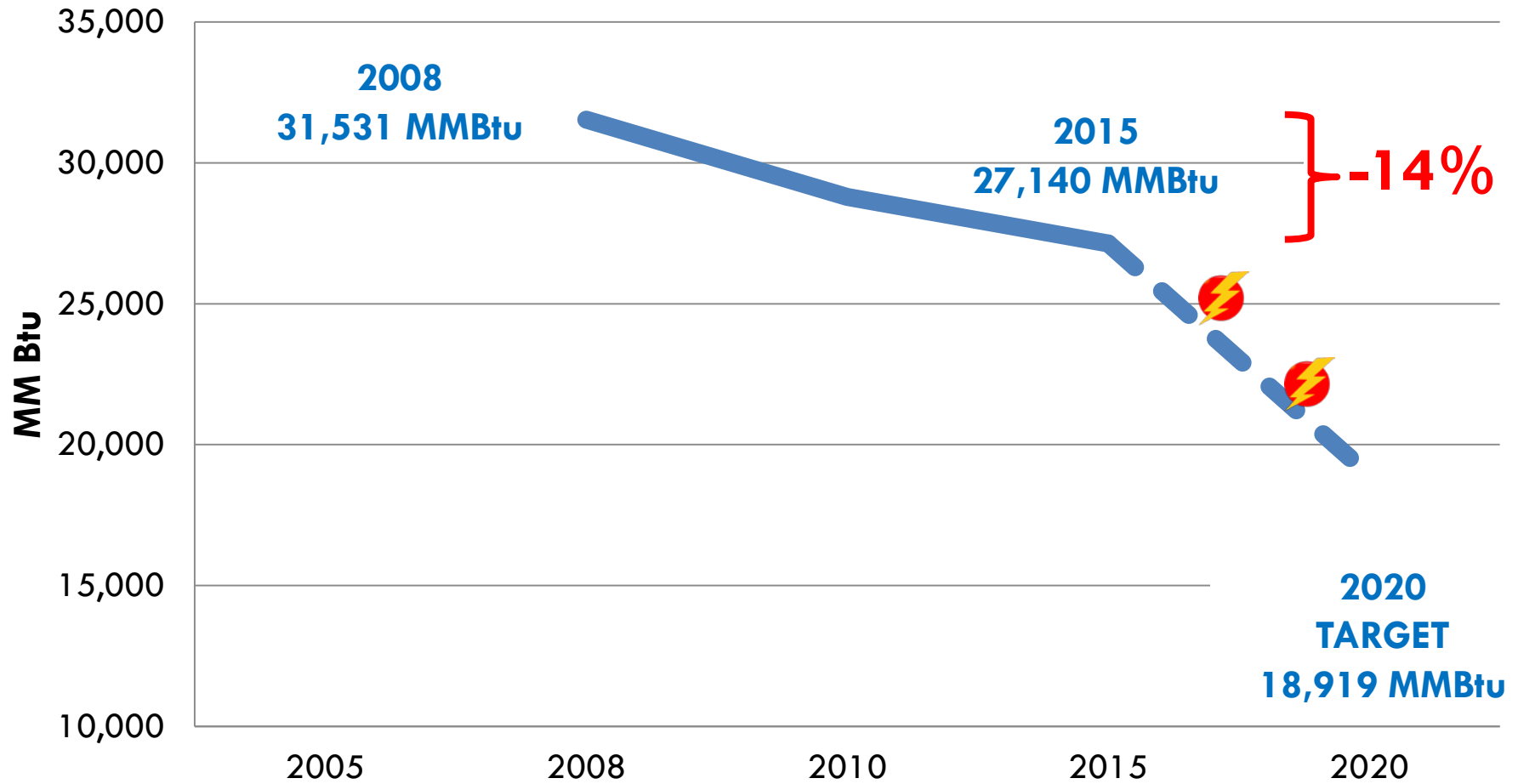
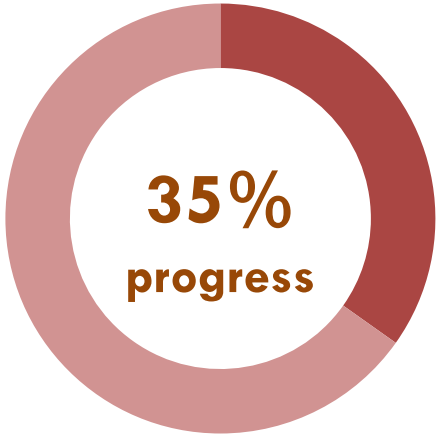


**254
actions!**

- 30% of actions have been completed already
- 12% of actions are ongoing
- 13% of actions are in progress

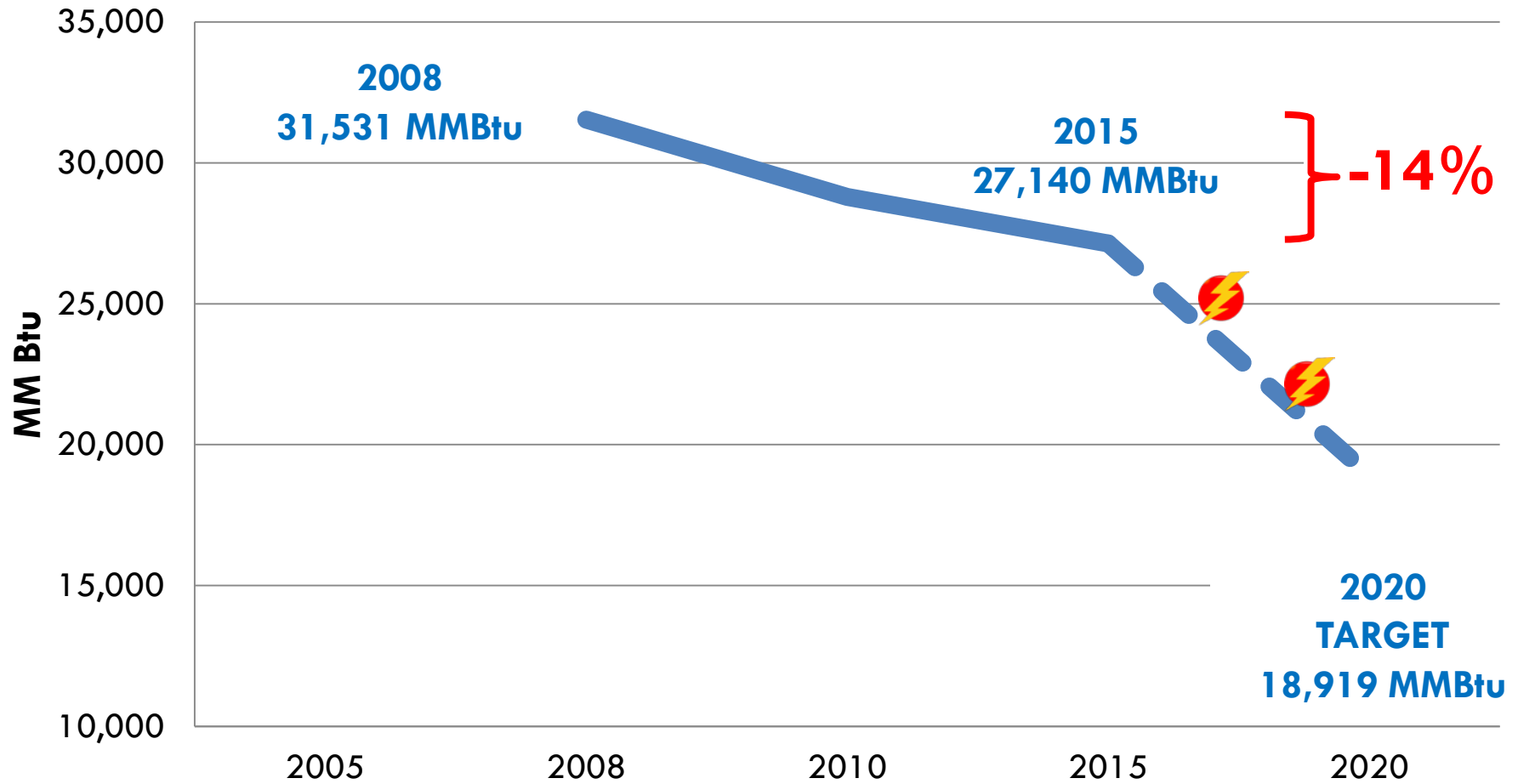
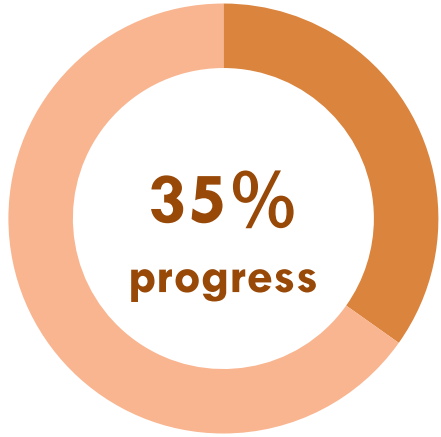
1

REDUCE ENERGY USE IN MUNICIPAL BUILDINGS 40%



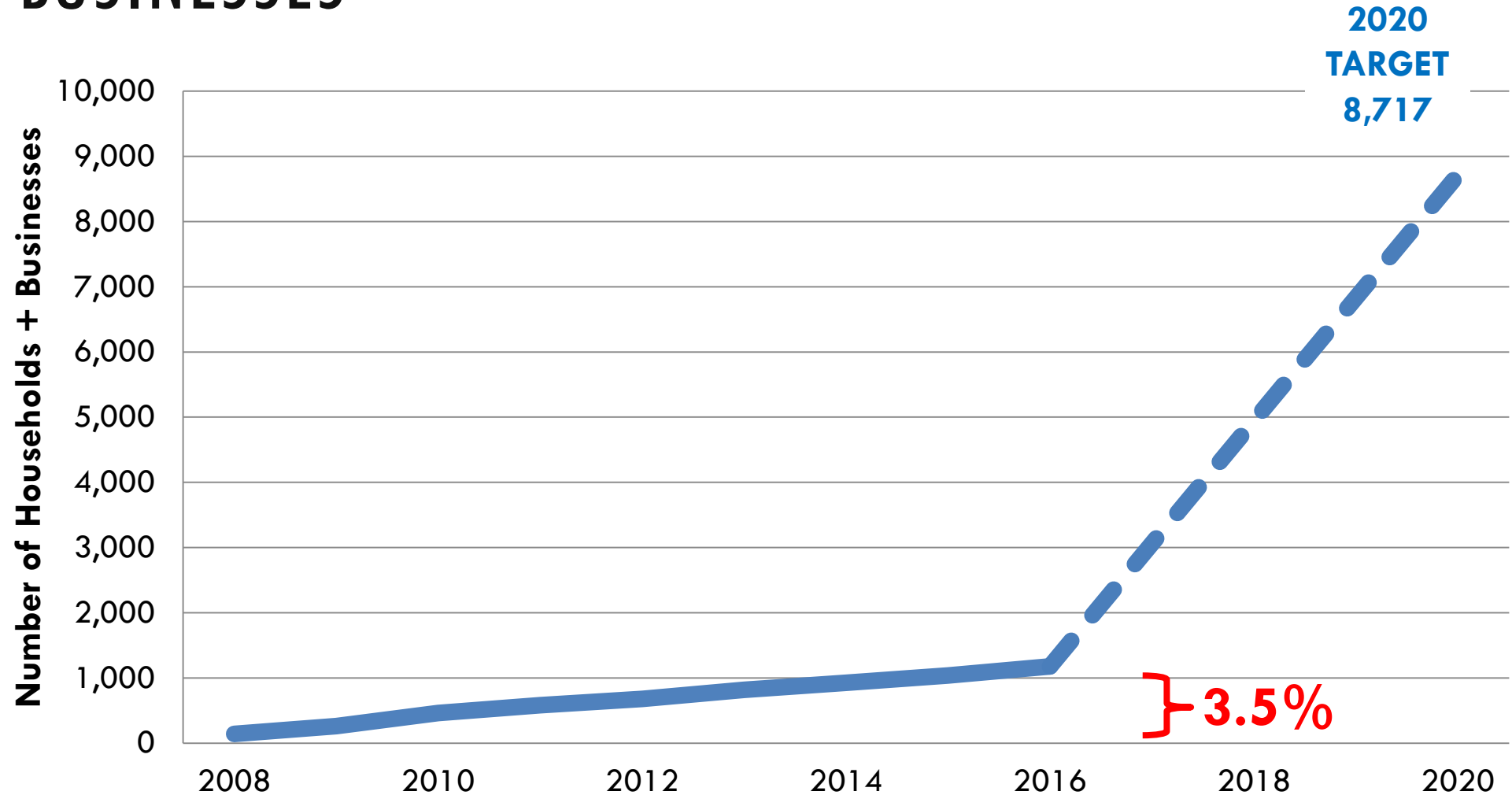
1

REDUCE ENERGY USE IN MUNICIPAL BUILDINGS 40%



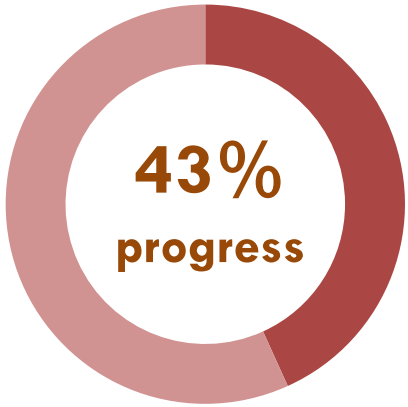
2

EXPAND ENERGY EFFICIENCY PROGRAMS TO 30% OF HOMES + BUSINESSES



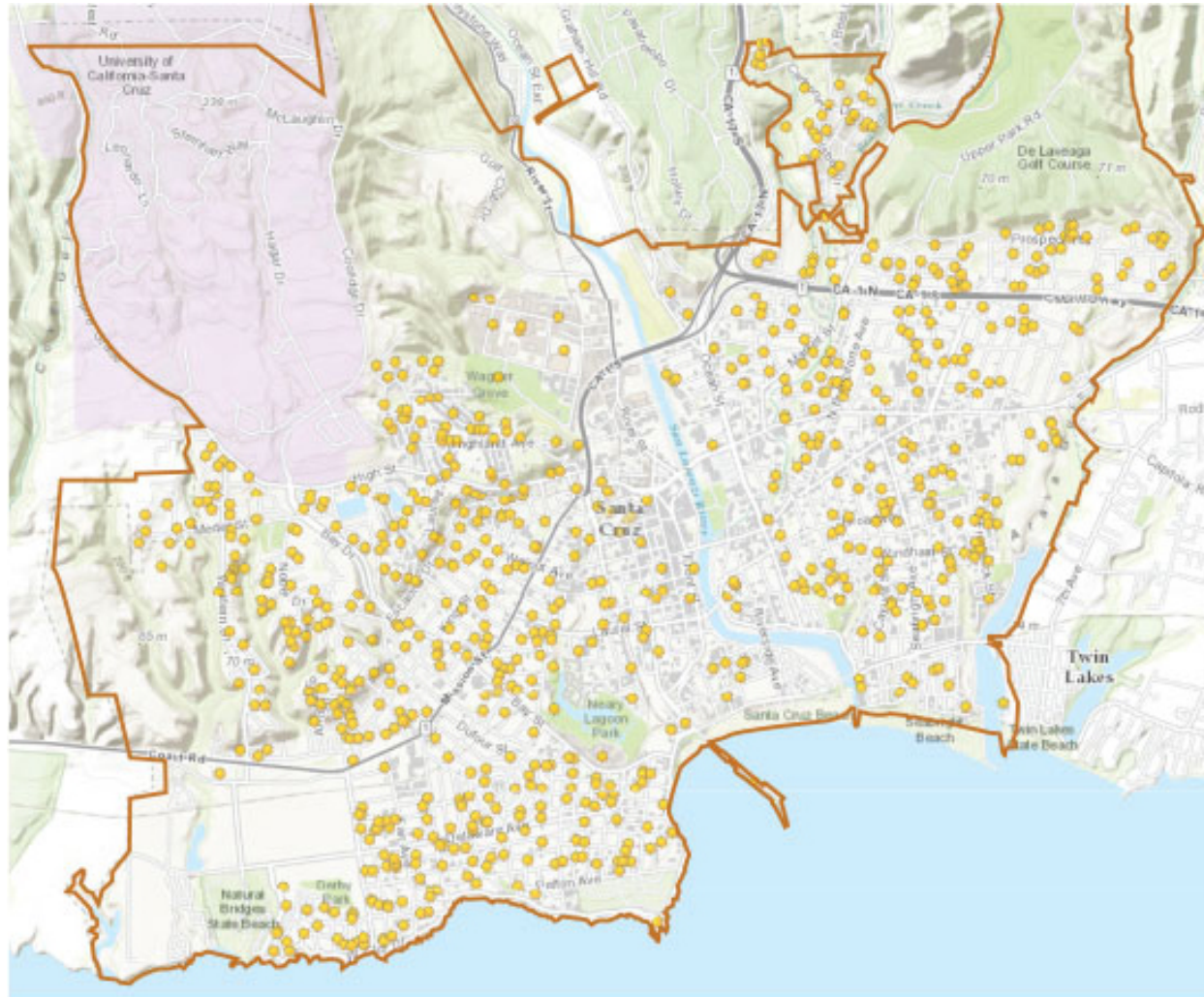
3

INCREASE SOLAR TO 5,000 RESIDENTS, 500 BUSINESSES + SUPPLY 33% OF MUNICIPAL BUILDING LOAD W/ RENEWABLES



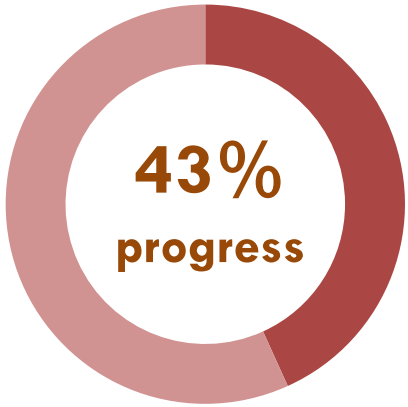
INDICATOR 1 OF 3

OVER
2,000
RESIDENTIAL
SOLAR
INSTALLATIONS

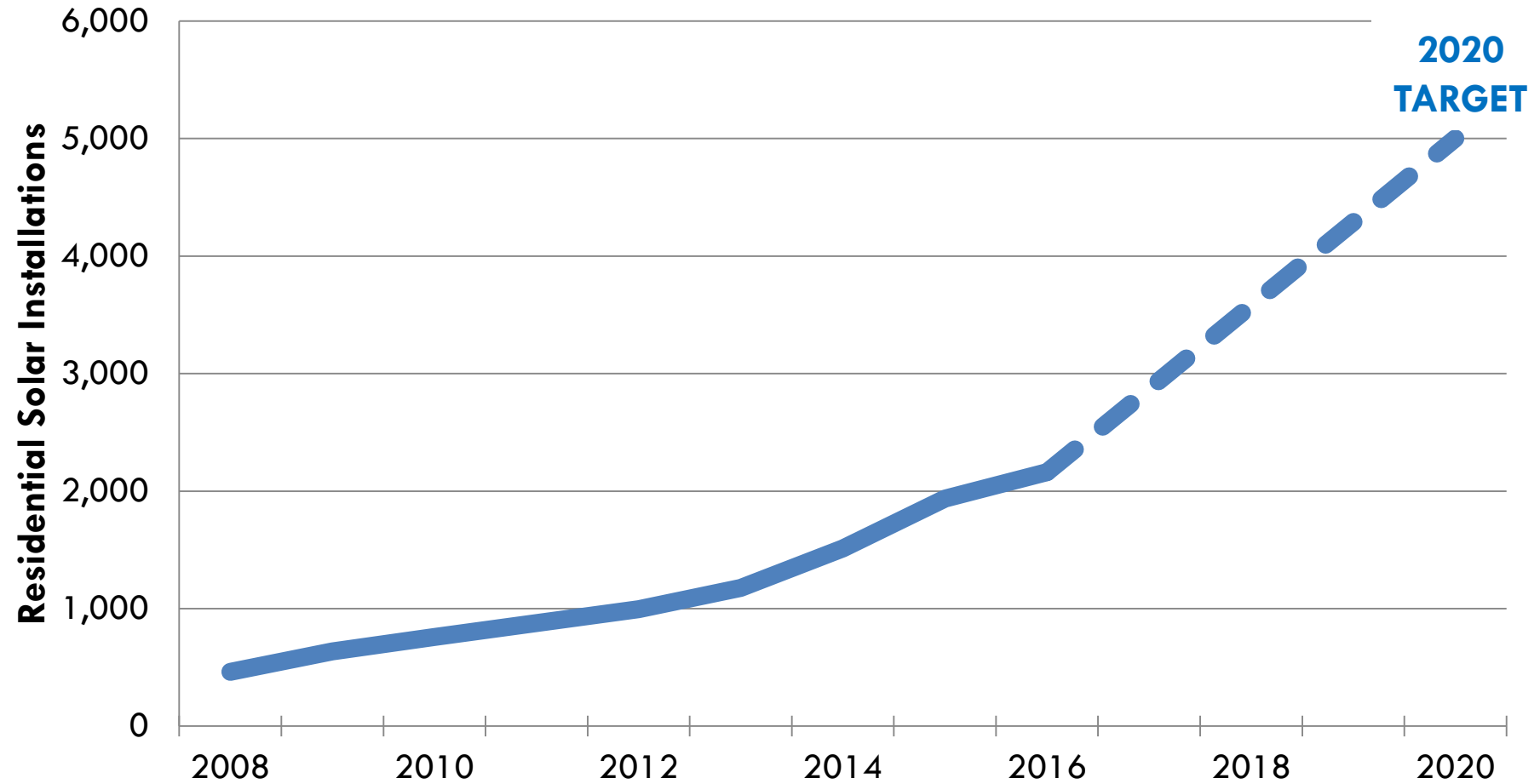


3

INCREASE SOLAR TO 5,000 RESIDENTS, 500 BUSINESSES + SUPPLY 33% OF MUNICIPAL BUILDING LOAD W/ RENEWABLES

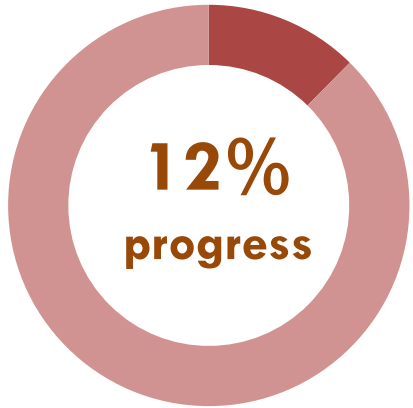


INDICATOR 1 OF 3

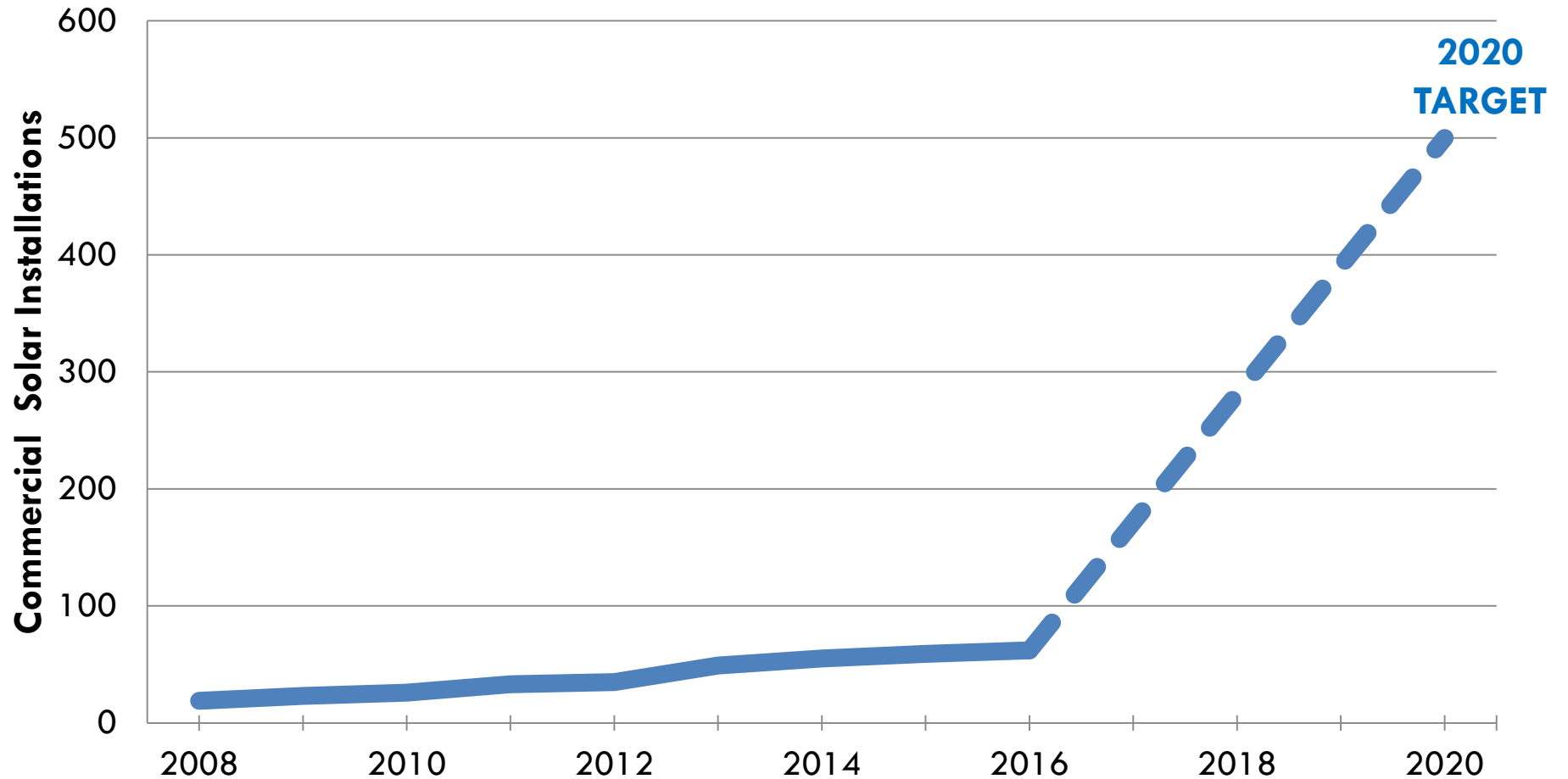


3

INCREASE SOLAR TO 5,000 RESIDENTS, 500 BUSINESSES + SUPPLY 33% OF MUNICIPAL BUILDING LOAD W/ RENEWABLES



INDICATOR 2 OF 3



3

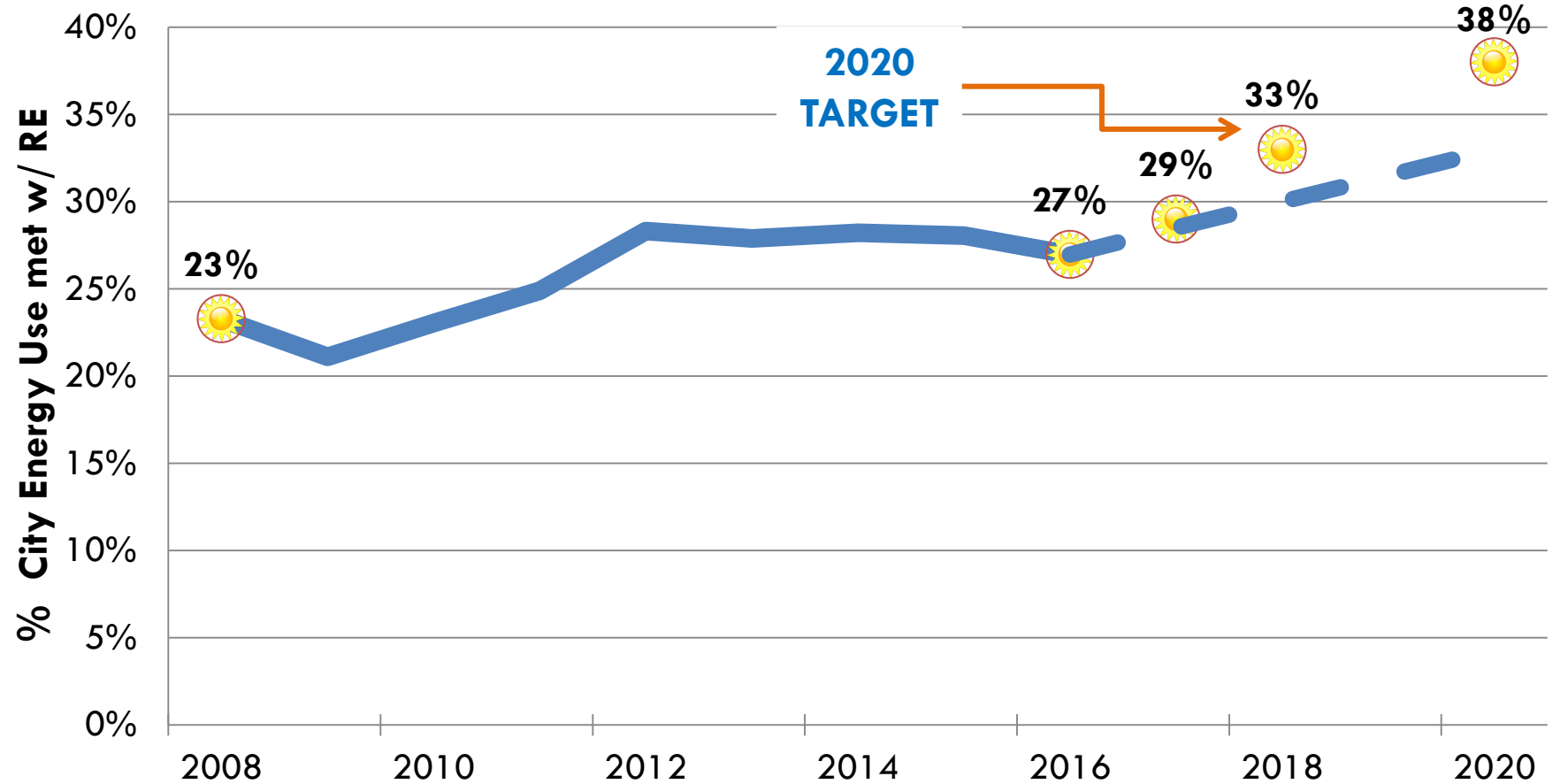
INCREASE SOLAR TO 5,000 RESIDENTS, 500 BUSINESSES + SUPPLY 33% OF MUNICIPAL BUILDING LOAD W/ RENEWABLES



INDICATOR 3 OF 3

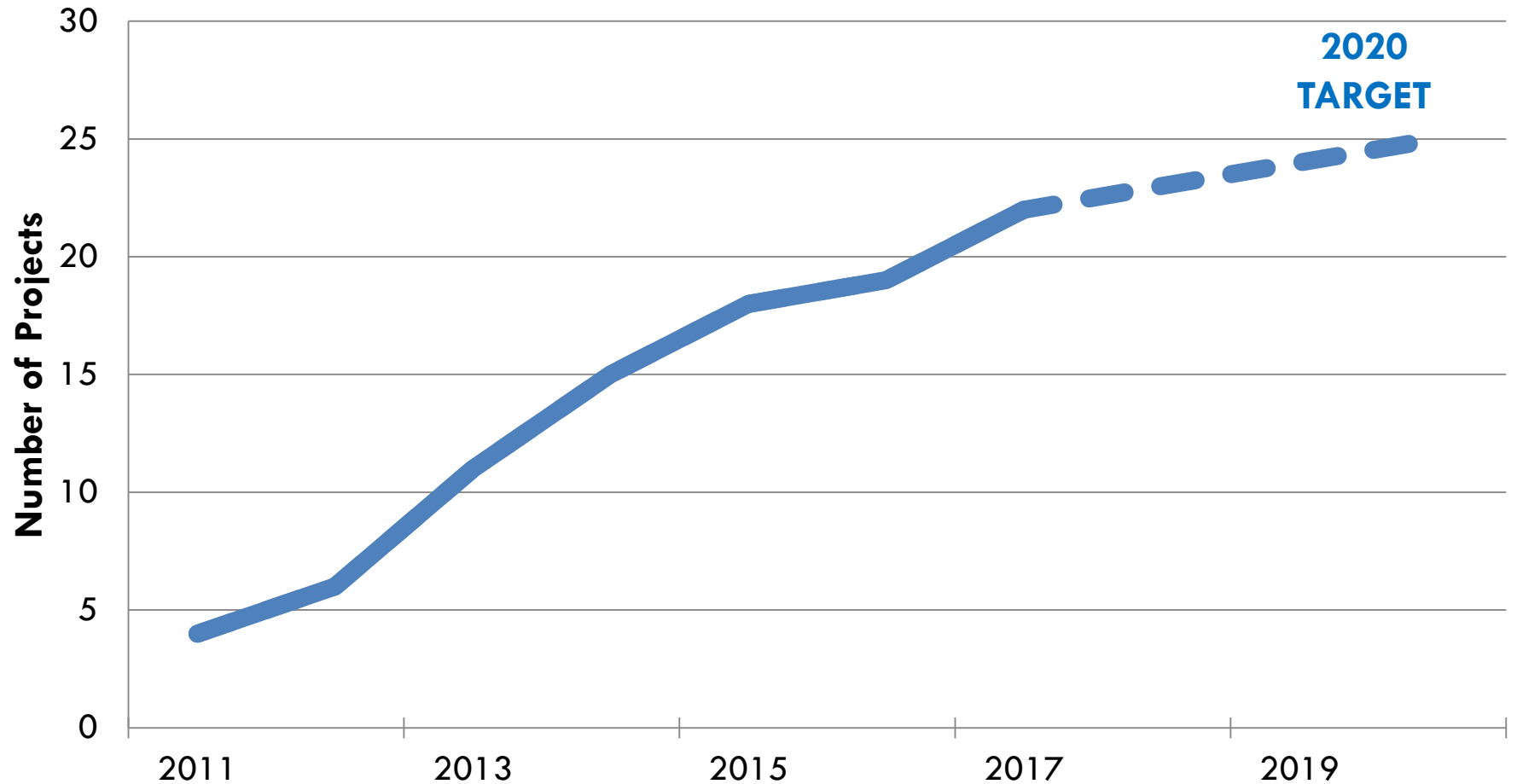
Renewable energy =

electricity from methane +
electricity from solar



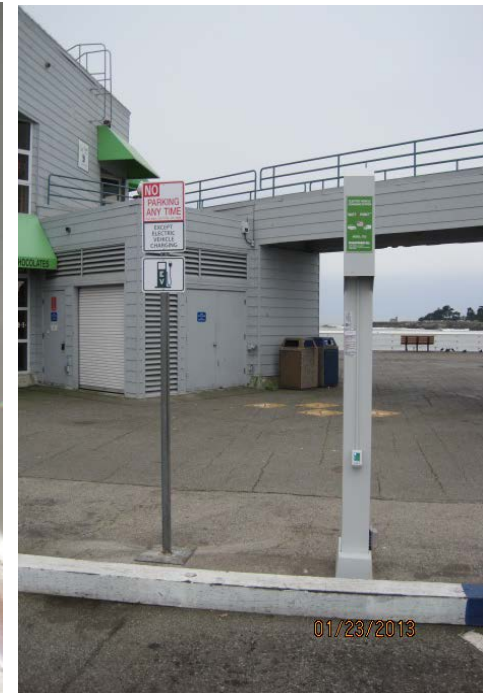
4

PARTNER WITH UCSC ON 25 SUSTAINABILITY + ALTERNATIVE ENERGY PROJECTS



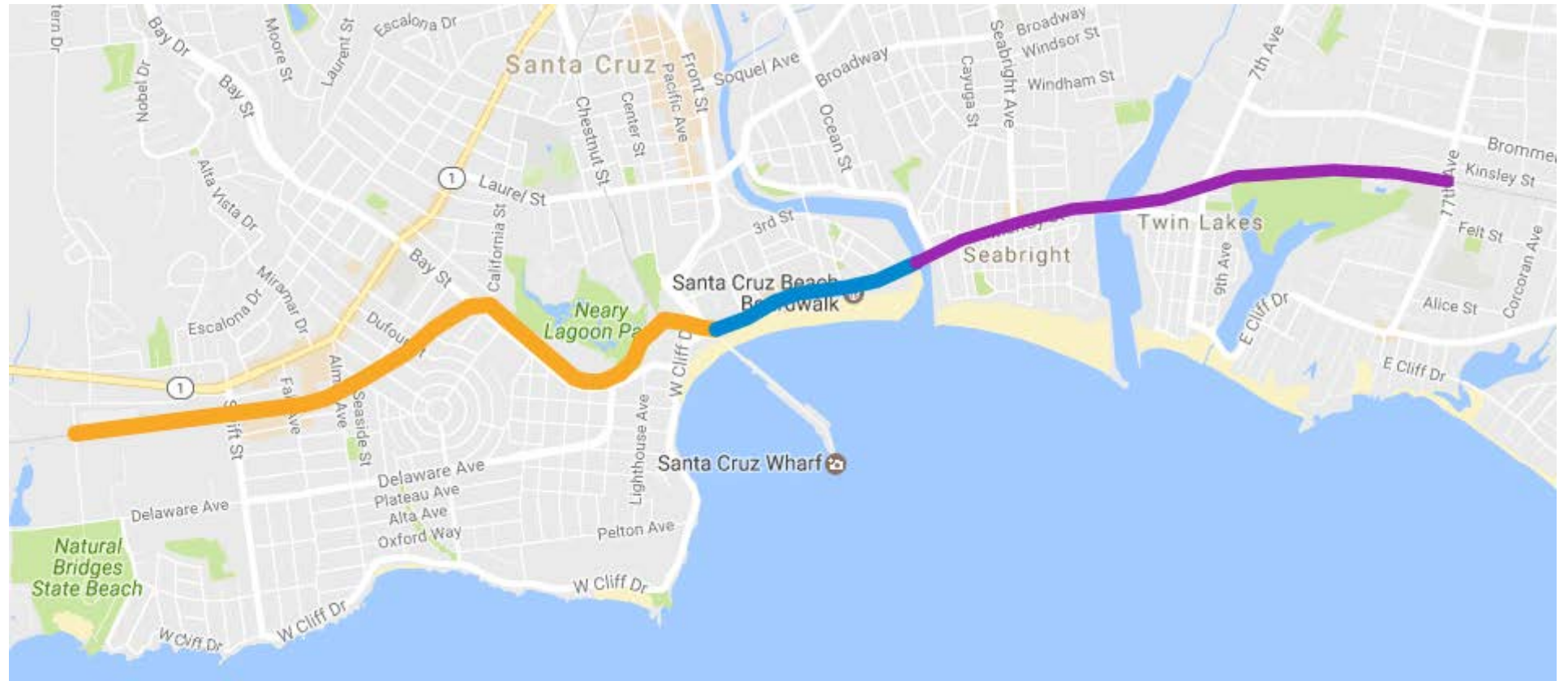
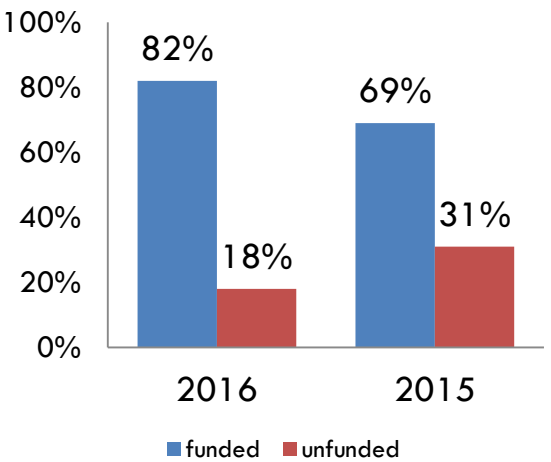
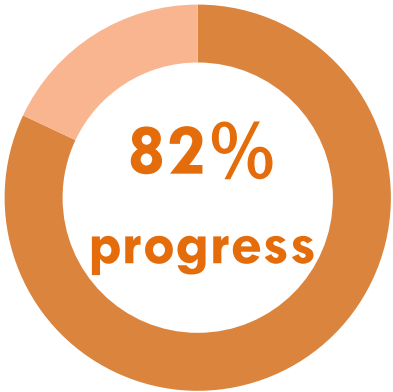
4

PARTNER WITH UCSC ON 25 SUSTAINABILITY + ALTERNATIVE ENERGY PROJECTS



5

ENSURE RAIL CORRIDOR SUPPORTS BIKE + PEDESTRIAN USE AND SUPPORT ESTABLISHMENT OF FUTURE RAIL



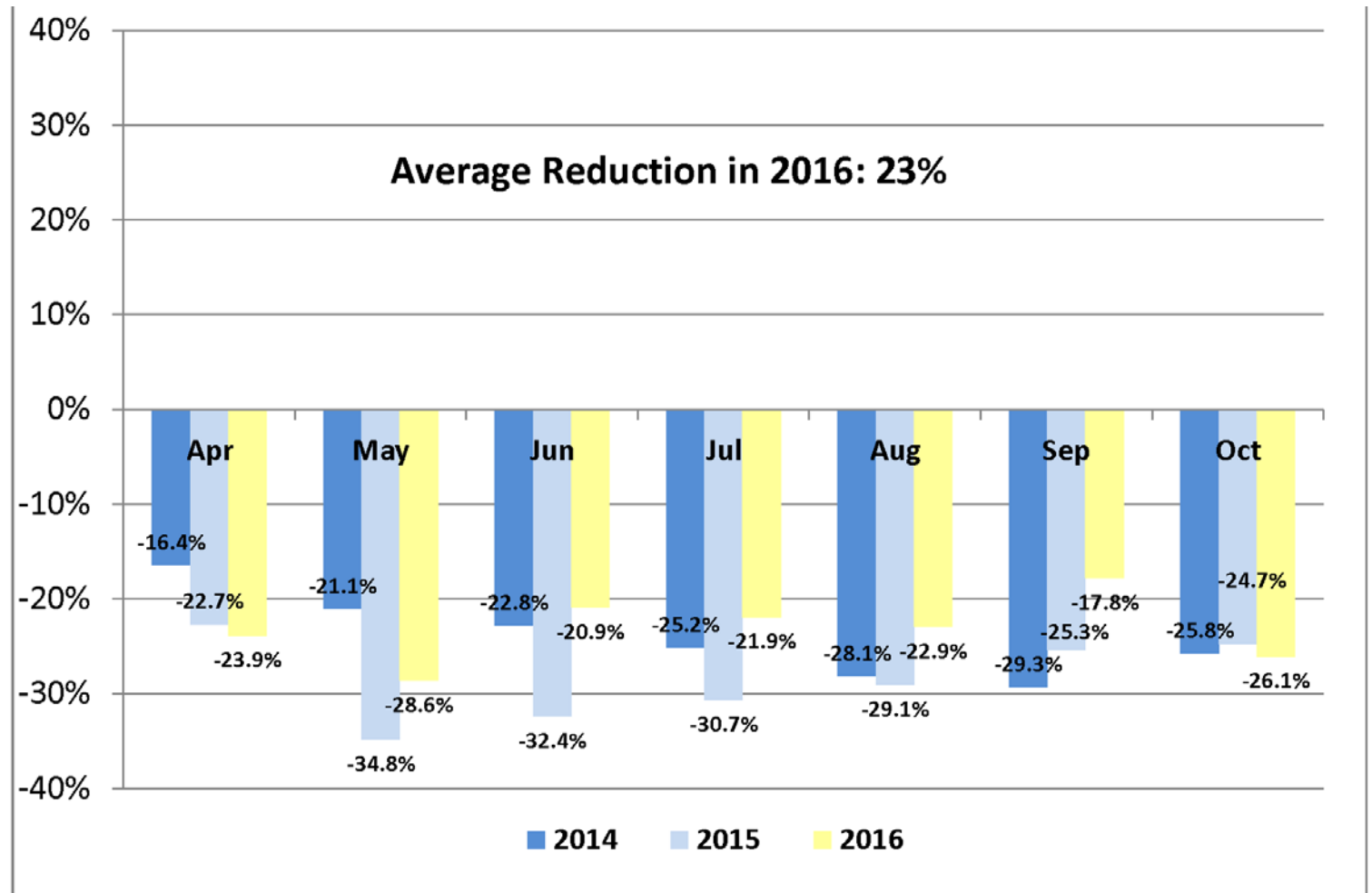
Trail segment 7

Trail segment 8

Trail segment 9

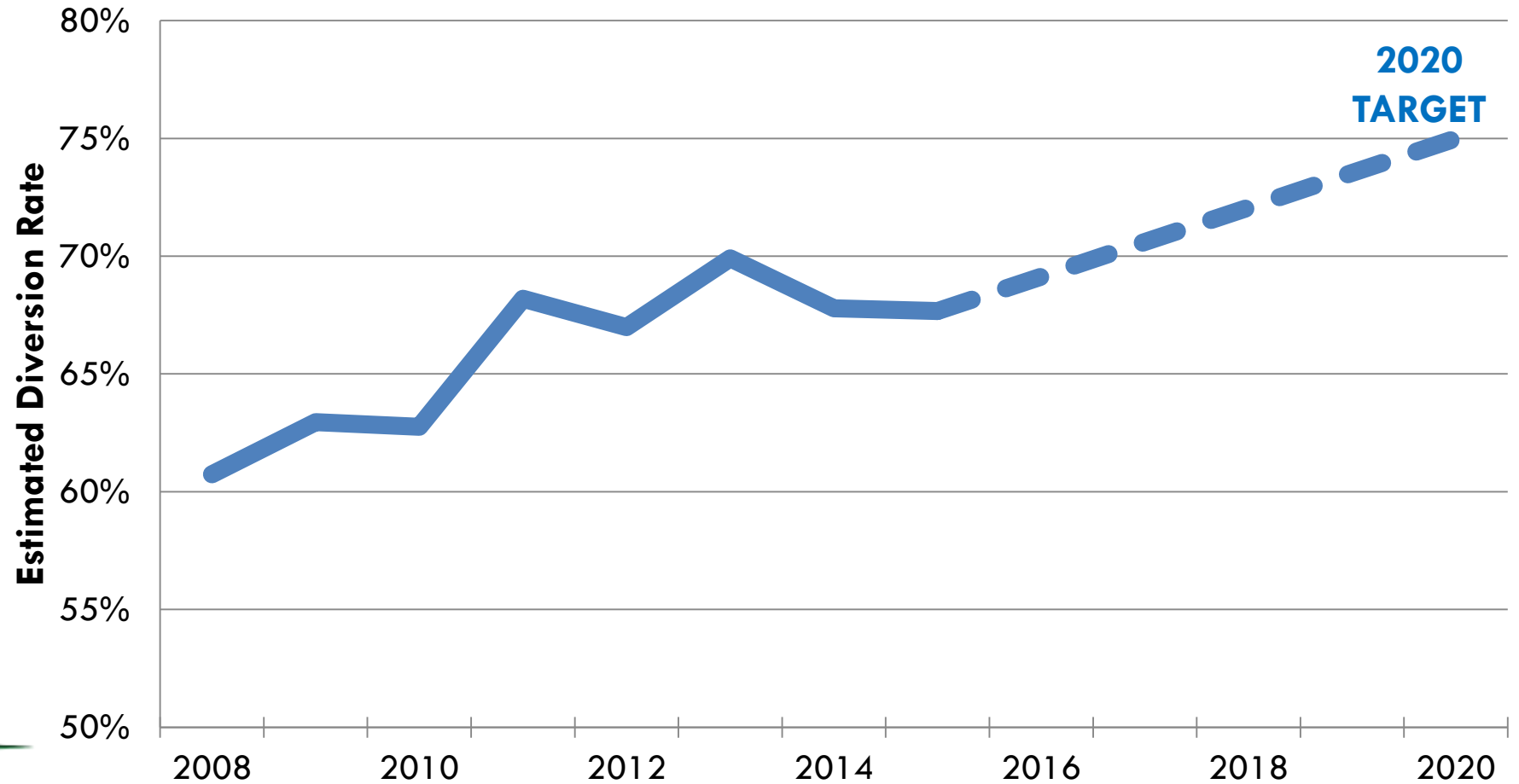
6

MAXIMIZE WATER CONSERVATION EFFORTS TO ACHIEVE THE GOALS RECOMMENDED BY WASC



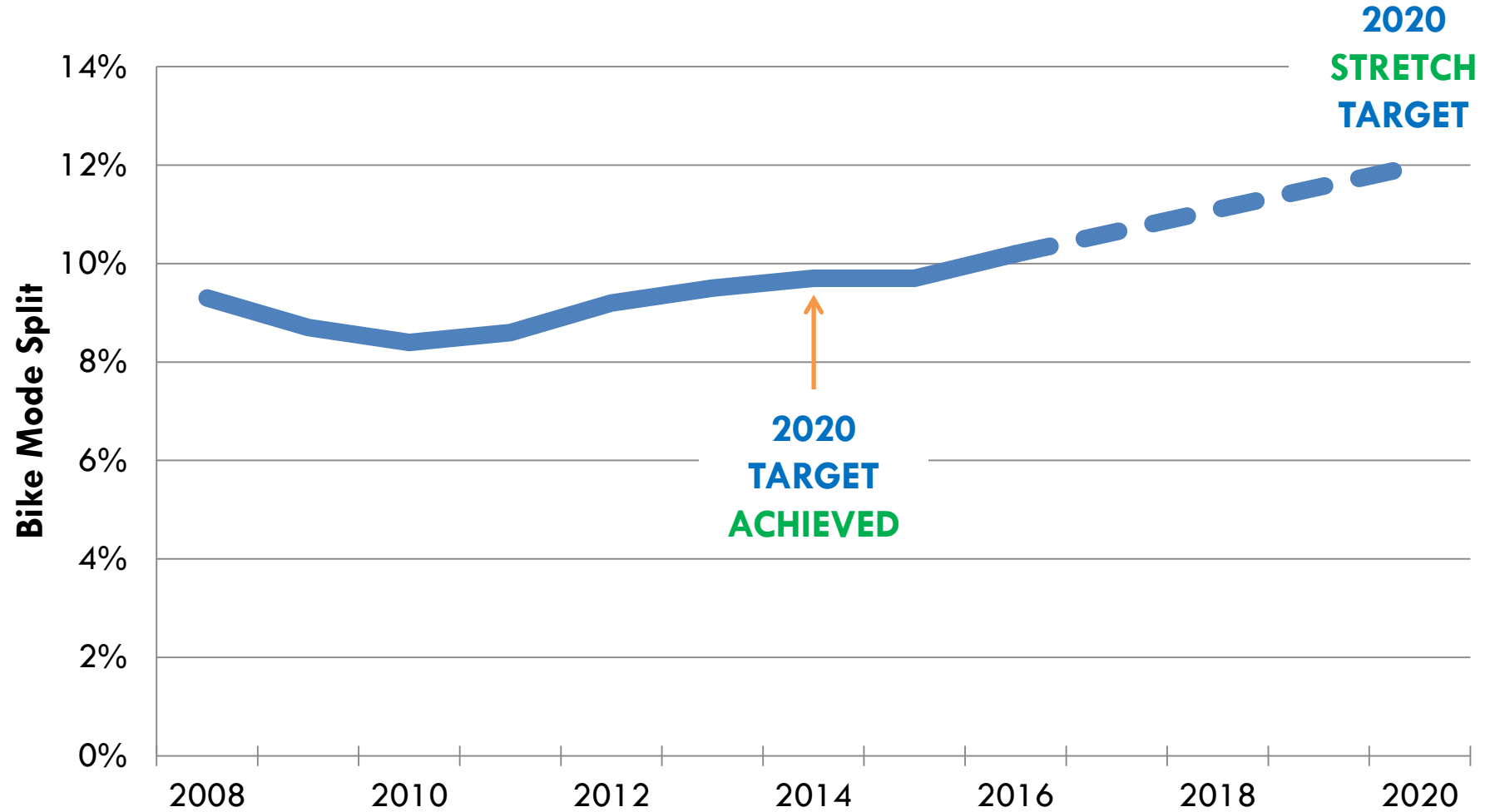
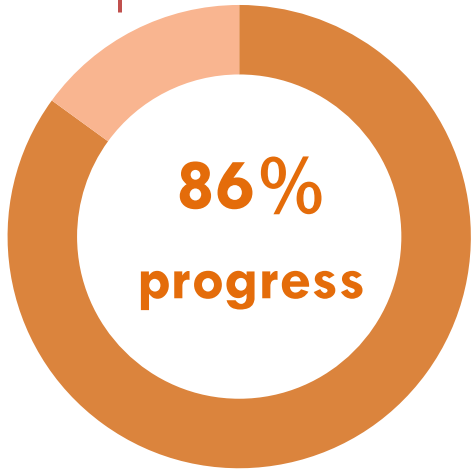
7

ACHIEVE 75% TOTAL WASTE DIVERSION + MAXIMIZE ORGANIC WASTE DIVERSION



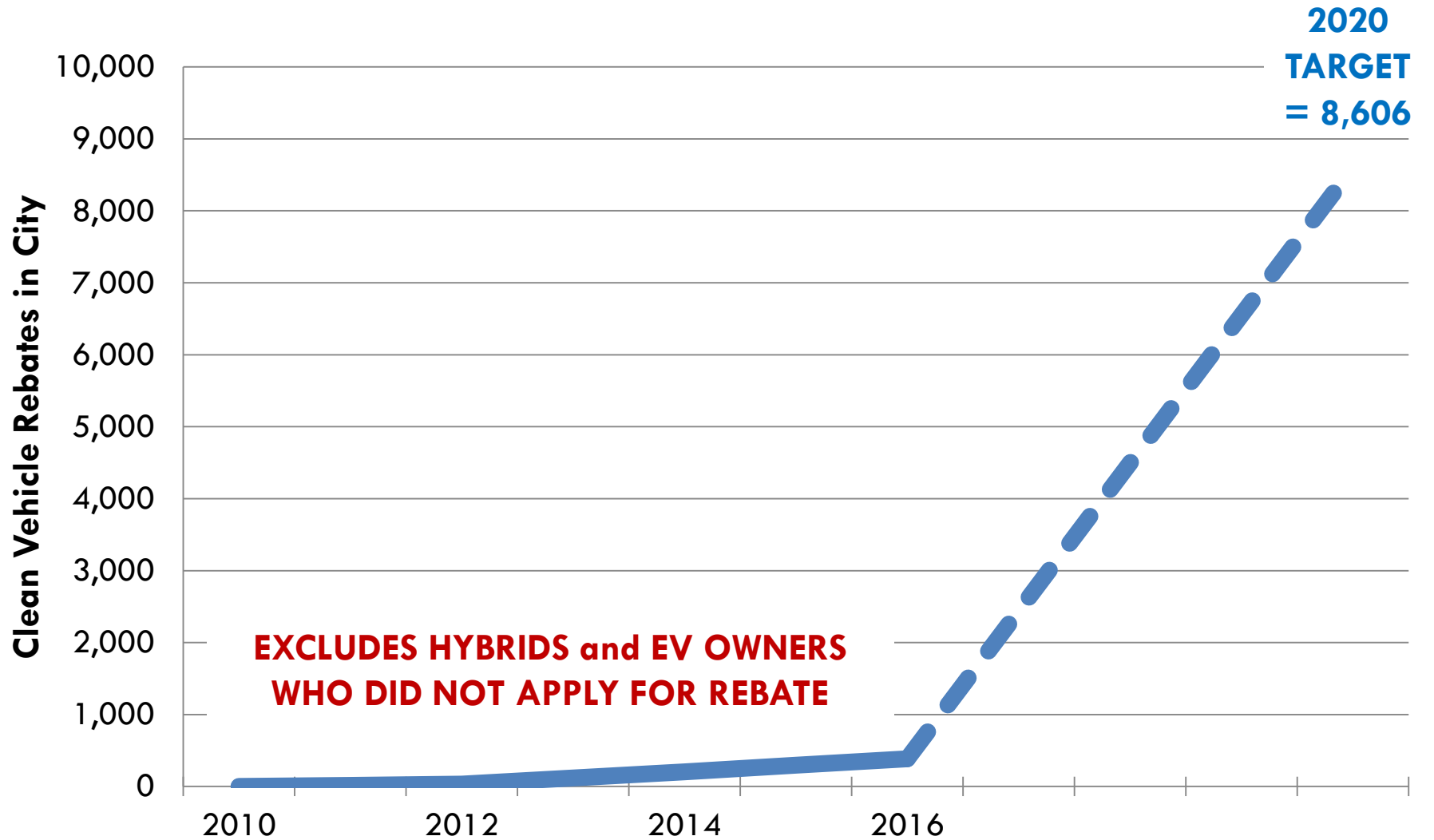
8

INCREASE BIKE RIDERSHIP TO 12% OF LOCAL COMMUTES



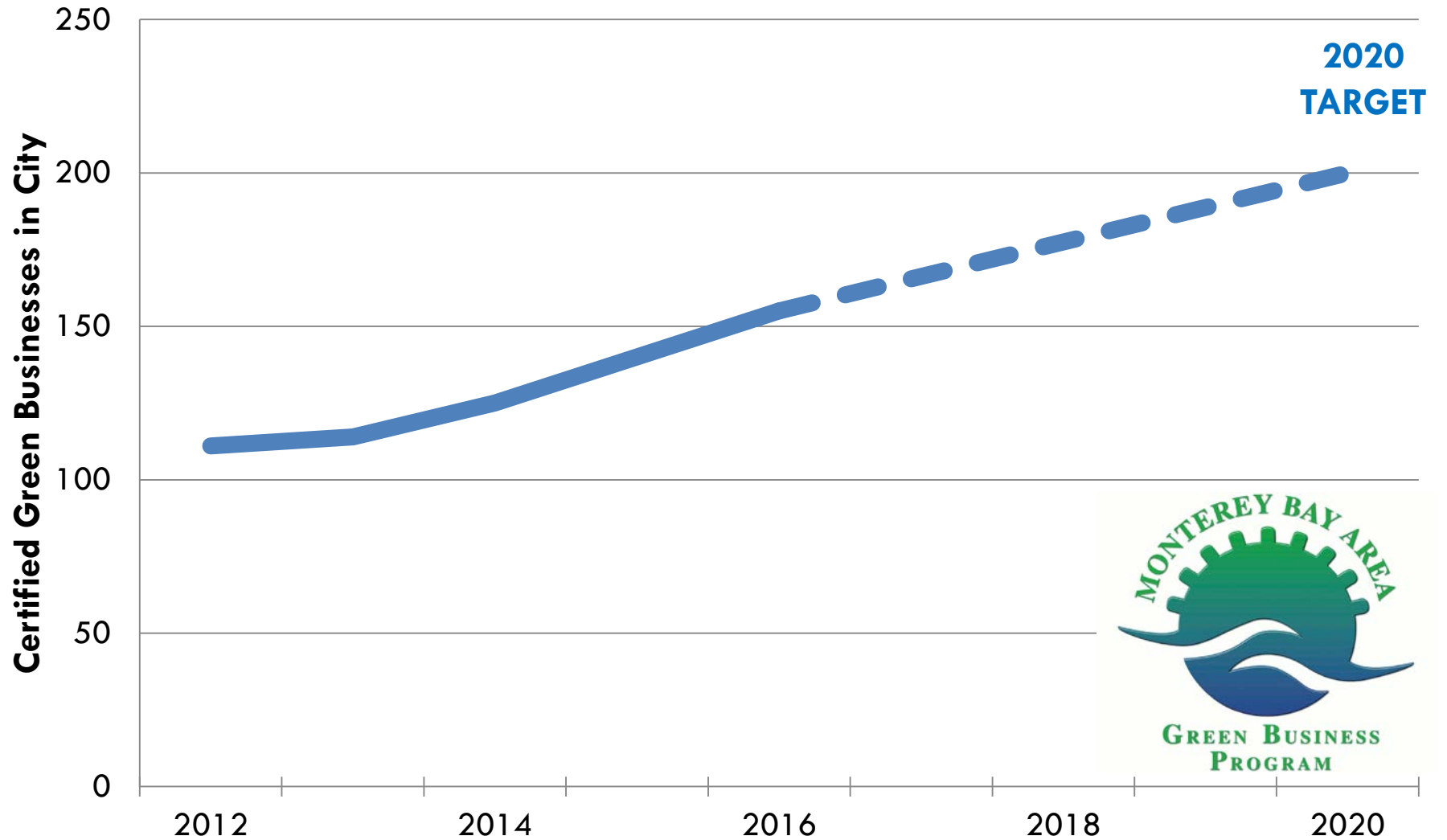
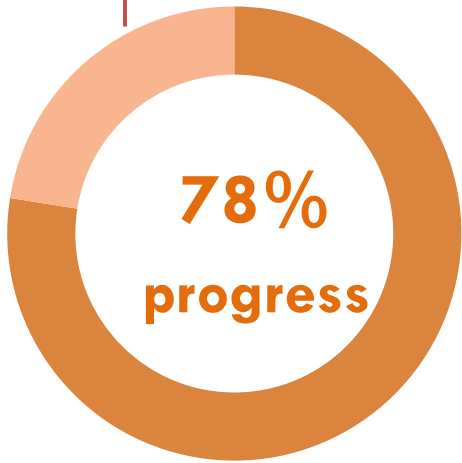
9

SWITCH 20% OF CARS TO LOW CARBON FUELS



10

RETAIN 200 CERTIFIED GREEN BUSINESSES WITHIN CITY



11

MAINTAIN + INCREASE URBAN TREE CANOPY BY 10%

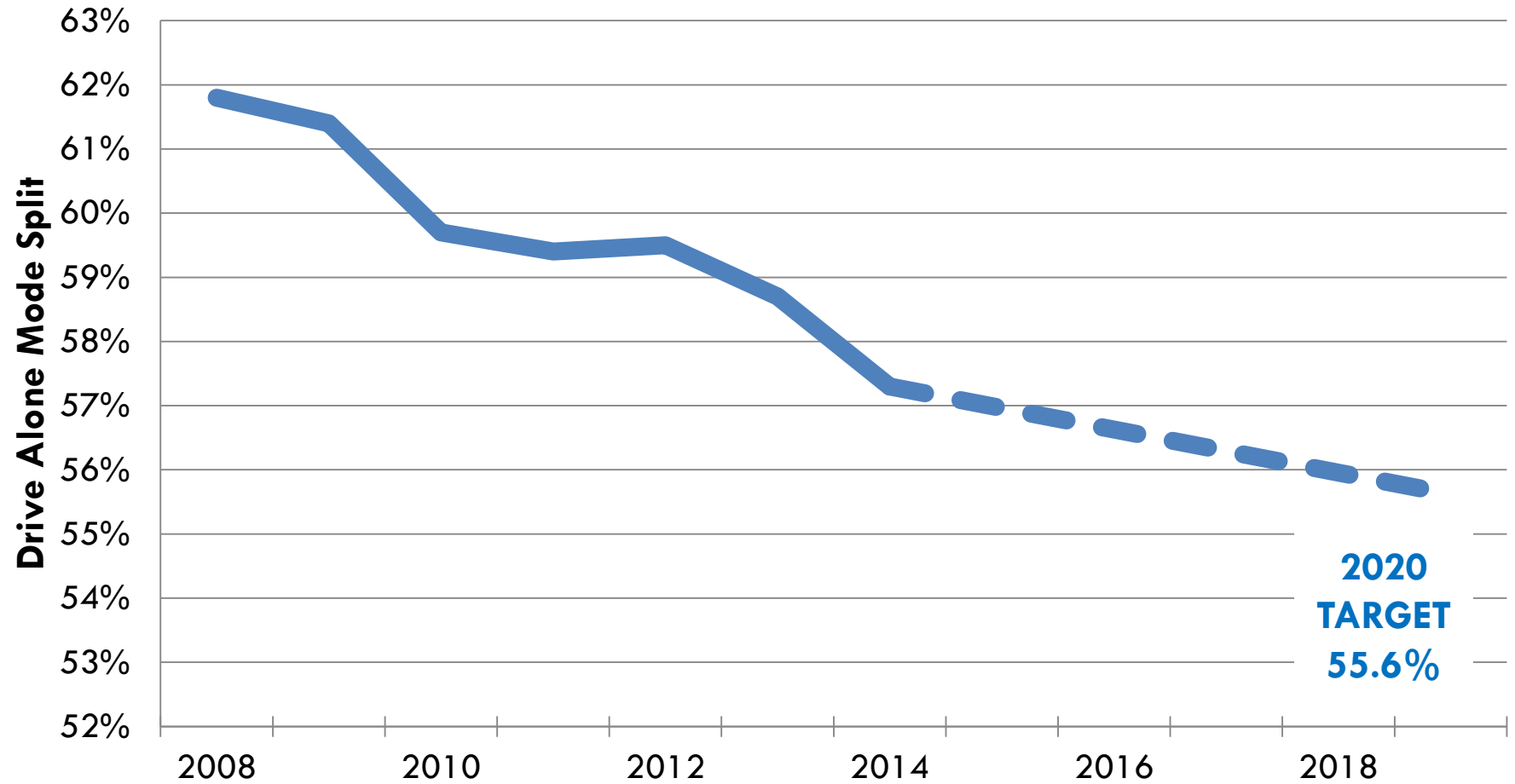
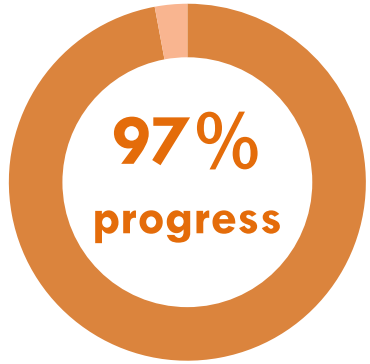
Progress
uncertain

- 🌳 No data to date on this milestone progress
- 🌳 LIDAR canopy study funded + begins in fall
- 🌳 Urban tree inventory & 500 trees planted in 2018 via CalFIRE grant award
- 🌳 P+R plants about 300 trees annually



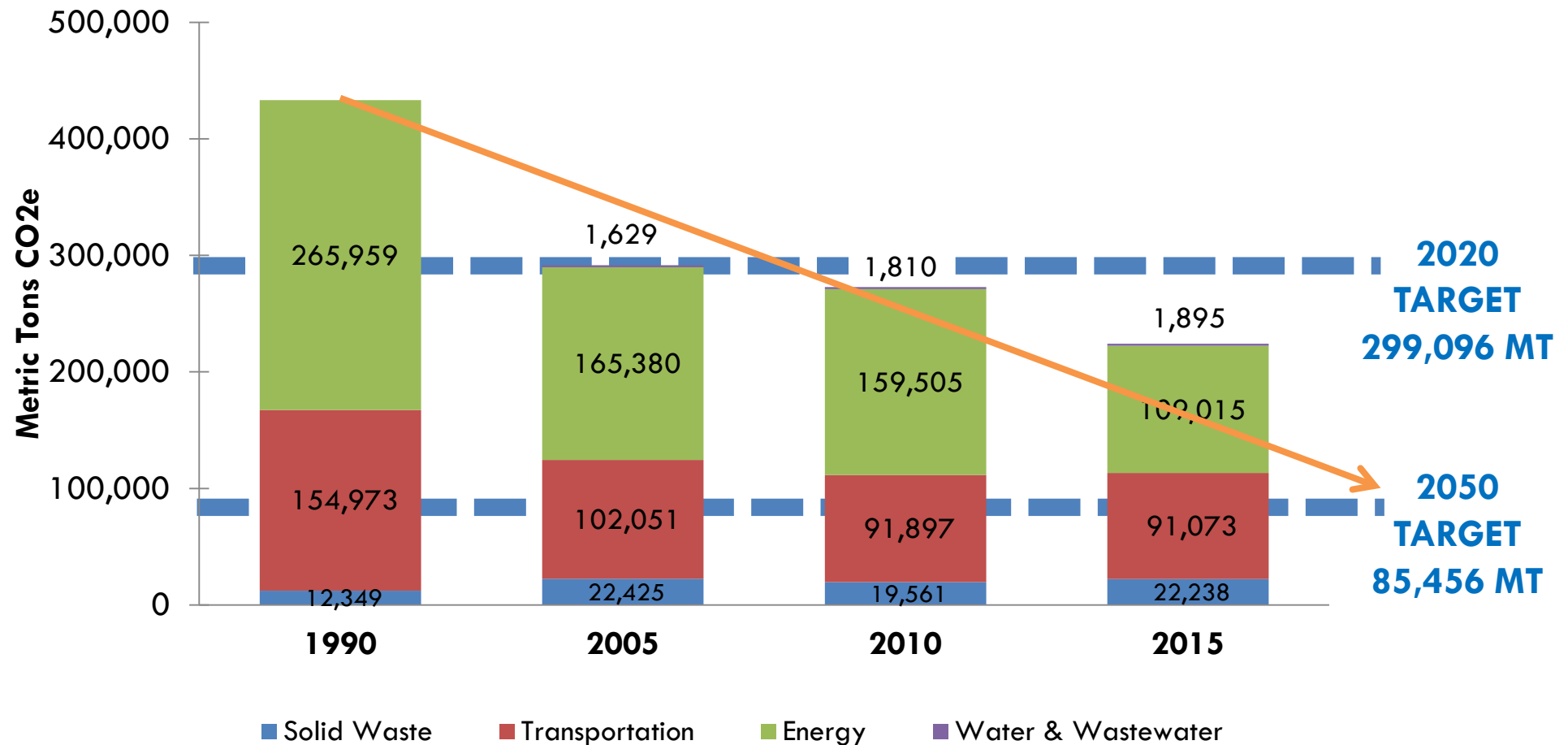
12

REDUCE SINGLE OCCUPANCY VEHICLE COMMUTES 10%



COMMUNITY GREENHOUSE GAS EMISSIONS GOALS

Reduce community-wide greenhouse gas emissions 30% by 2020 and 80% by 2050 (compared to 1990 levels).



THANK YOU + QUESTIONS?



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MUNICIPAL GREENHOUSE GAS EMISSIONS GOALS

