



Interim Mayor Todd Gloria  
[www.SDClimateMAP.org](http://www.SDClimateMAP.org)



**CITY OF SAN DIEGO  
CLIMATE ACTION PLAN**  
*WORKING DRAFT* February 2014



**Overview of San Diego  
WORKING DRAFT  
Climate Action Plan**

January 22, 2013

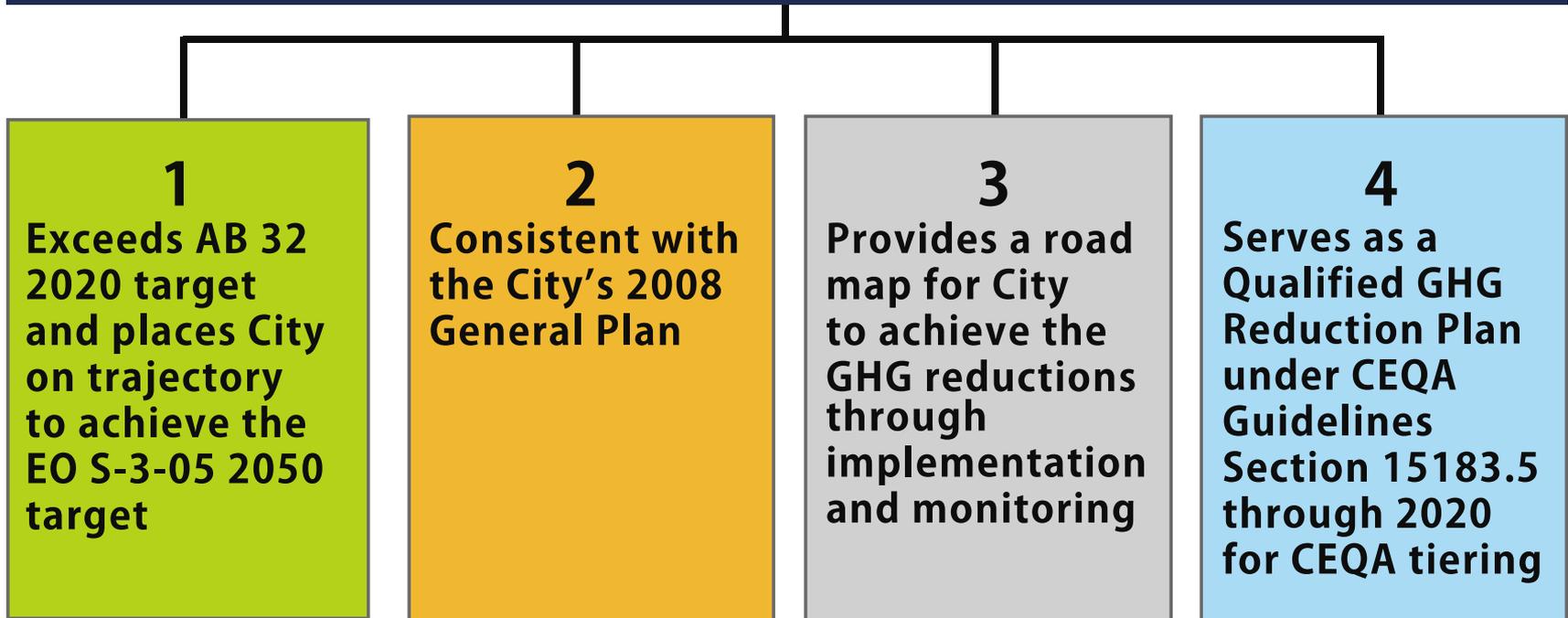
Nicole Capretz  
Director of Environmental  
Policy  
Office of Mayor Todd Gloria

# Climate Impacts in San Diego

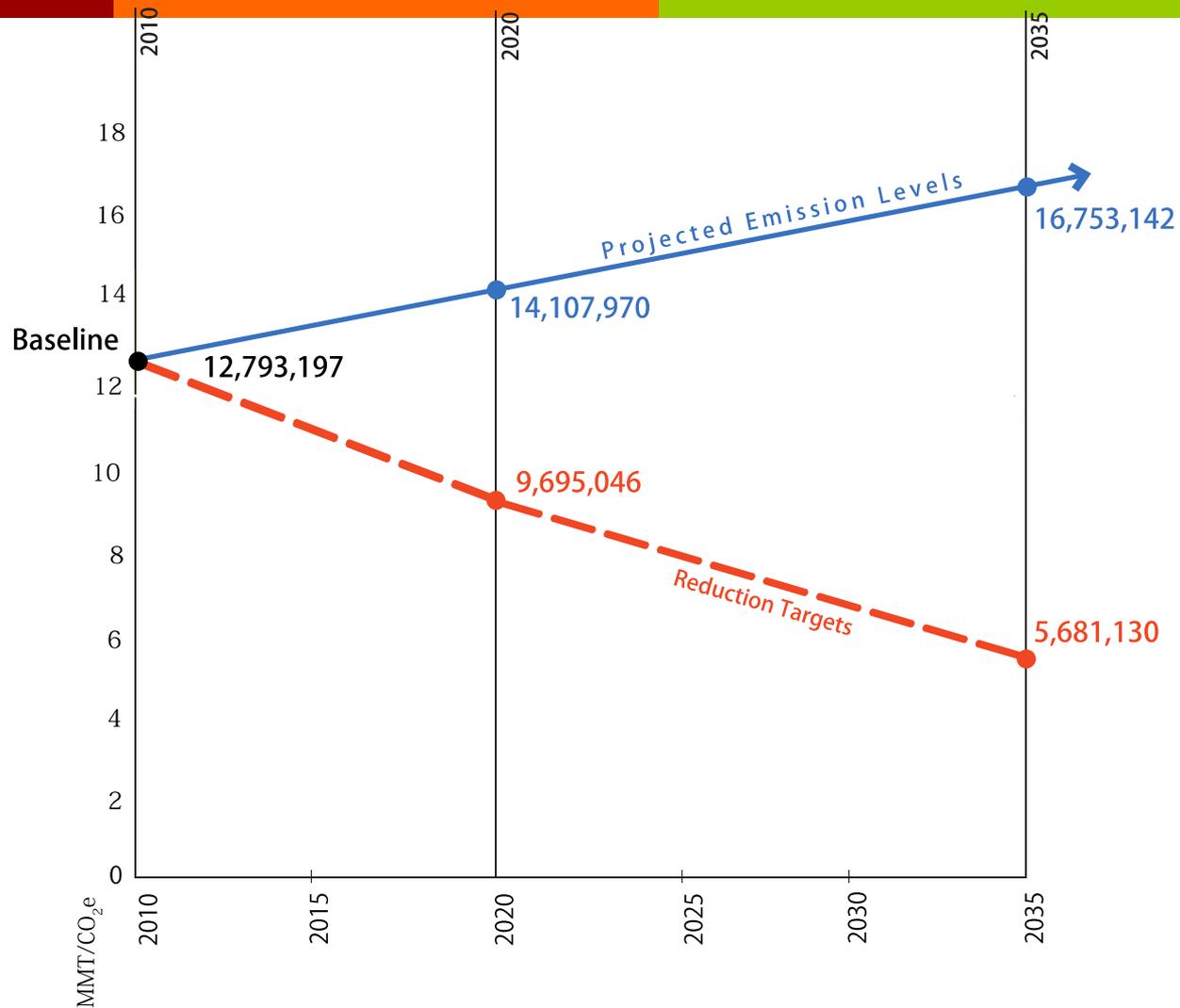
- UCSD Professor Keeling in July at NR&C:
  - More Intense and humid heat waves
  - More intense storms and drought
  - Increased water and energy demand
  - Increased fire frequency, intensity & area covered
  - Sea-level rise and coastal effects
  - **Small window of opportunity to slow down climate change**

# Four Primary Purposes of the CAP

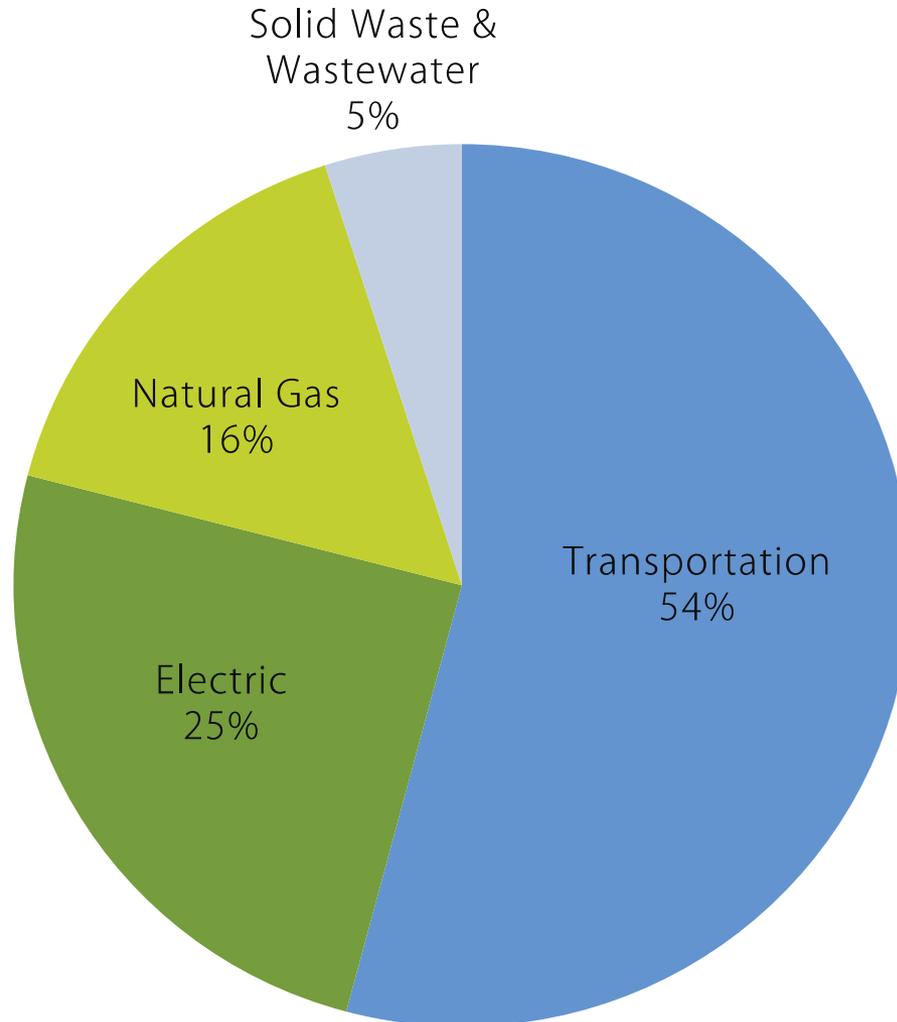
## The Climate Action Plan Serves Four Primary Purposes:



# Projected GHG Emission Levels and Reduction Targets



# Updated Community Baseline 2010 Inventory



# 5 BOLD Strategies for GHG Emissions Reduction



- 1. ENERGY & WATER EFFICIENT BUILDINGS**
- 2. CLEAN & RENEWABLE ENERGY**
- 3. BIKING, WALKING & TRANSIT**
- 4. ZERO WASTE**
- 5. CLIMATE RESILIENCY**

# Energy & Water Efficient Buildings

## GOALS

- Reduce nonresidential building energy consumption by 10% by 2020 and 60% by 2035.
- Reduce residential building energy consumption by 10% by 2020 and 60% by 2035.
- Reduce daily per capita water consumption to 142 gallons by 2020 and 100 gallons by 2035 citywide.
- Reduce energy consumption at municipal facilities by 10% by 2020 and 60% by 2035.

# Energy & Water Efficient Buildings

## ACTIONS

- Adopt a Nonresidential Energy and Conservation Ordinance
- Adopt a Residential Energy and Conservation Ordinance
- Expand existing PACE Programs
- Implement City of San Diego's Municipal Energy Strategy
- Adopt a new Water Billing Structure

# Clean & Renewable Energy GOALS

- Increase renewable energy supplies to achieve 100% renewable electricity by 2035 citywide.
- Increase total installed photovoltaics to 350 MW by 2020 and 2500 MW by 2035 citywide.
- Achieve zero net energy for new residential buildings by 2020 and nonresidential by 2035.

# Clean & Renewable Energy ACTIONS

- Adopt a Community Choice Aggregation Program
- Adopt a Net Zero Energy Building Code
- Expand PACE Programs

# Biking, Walking & Transit GOALS

- Increase commuter ridership on mass transit to 12% in 2020 and 25% in 2035 in high quality transit areas.
- Increase commuter biking to 6% in 2020 and 18% in 2035 in high-quality transit areas.
- Increase commuter walking to 3% in 2020 and 7% in 2035 in high quality transit areas.
- Support SANDAG in achieving target of reducing per capita emissions from passenger cars and light duty trucks by 7% in 2020 and 13% by 2035.

# Biking, Walking & Transit

## GOALS

- Retime traffic signals on 15 intersections and install roundabouts on 15 intersections by 2020 and 20 intersections by 2035.
- Increase number of zero emissions passenger and light duty trucks in the municipal fleet to 50% by 2020 and 100% by 2035.
- Convert entire City collection fleet to compressed natural gas by 2035.

# Biking, Walking & Transit ACTIONS

- Implement Bike Master Plan
- Implement Pedestrian Master Plan
- Adopt a Traffic Signal Master Plan
- Adopt a Roundabouts Master Plan
- Implement Mass Transit Improvements (City of Villages)
- Increase Municipal Zero Emissions Vehicles
- Convert Municipal Waste Collection Trucks to Natural Gas

# Zero Waste GOALS & ACTIONS

- Divert 75% of trash from landfill by 2020. Capture 80% of methane from landfills by 2020.
- Strive for zero waste disposed by 2040. Achieve levels required by CARB for methane capture by 2035.
- Capture 98% of waste gas from wastewater treatment in 2020.
- Adopt Zero Waste Plan
- Increase Methane Capture from Wastewater Treatment

# Climate Resiliency GOALS & ACTIONS

➤ Increase tree coverage by 15% by 2020 and 25% by 2035.

➤ Adopt Parks Master Plan

➤ Adopt Urban Tree Planting Program

# Keys to success

- Will take full support by the City, community and elected officials to ensure success
- Regular monitoring and evaluation is critical
- We must adapt and modify our approaches as needed

# We are already taking action

## ➤ Achievements in San Diego Thus Far

- Renewable – 22 MW (more coming)
- Upgraded 90% LED Traffic lights & 36,000 new efficient street lights (saved City millions)
- 10 Balboa Park building retrofits (\$1M saved)
- Capturing gas from landfills to power City facilities
- Aggressive bike restriping program/bike share
- Electric car-sharing program (Car2Go)

# Next Steps...

- **Finalizing next draft for release**
- Environmental review process will be Feb 2014 to Fall 2014 (estimated timeline) – will include more public outreach
- Estimated Final Council Adoption Early 2015