

CLIMATE ACTION PLAN (CAP) UPDATE

CAC Meeting and Public Workshop

April 19, 2023



WELCOME AND INTRODUCTIONS

Workshop Agenda

1. **Welcome**
2. **CAP Update Presentation**
 - Overview of CAP Update
 - Greenhouse Gas Emissions: Inventory, Reduction, and Targets
 - Greenhouse Gas Reduction Approach and Actions
3. **Presentation Boards and Open House Activities**
4. **Summary of Input from Activities**
5. **Questions and Comments**

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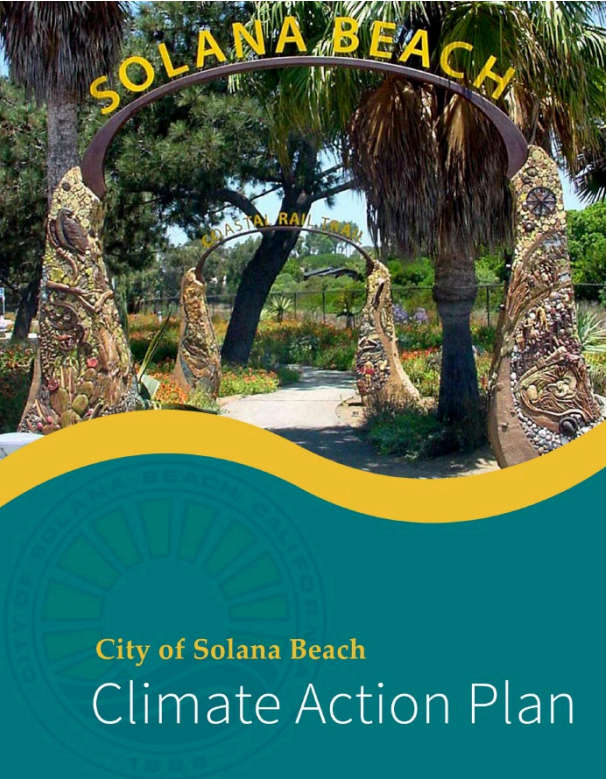
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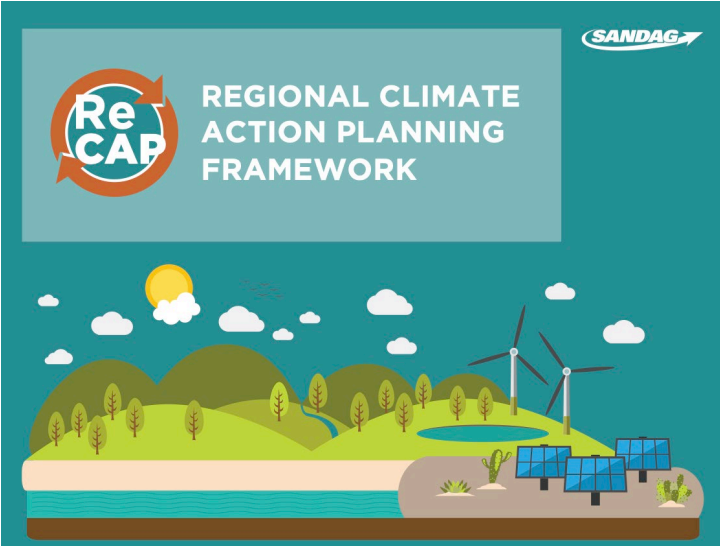
OVERVIEW OF CAP UPDATE

Climate Planning Activities

2017 Solana Beach Climate Action Plan



2019 SANDAG Regional Climate Action Planning Framework



2021 County of San Diego Regional Decarbonization Framework



The City of Solana Beach is updating its Climate Action Plan (CAP) to align with new goals and regional consistency.

CAP Update will:

- **Build on Existing CAP**, adopted by the City Council in July 2017 and updated in February 2020.
- **Continue to make progress** toward reducing GHG emissions
- **Re-align GHG reduction targets** for consistency with state targets.
- Utilize the **latest GHG inventory** data prepared through SANDAG's ReCAP Program.
- Incorporate measures that reflect current technologies, **updated policies and state mandates**.
- Use **new process to develop new/revised CAP actions**
 - Identify actions by residents, organizations, and City
- Integrate **social equity** into the climate planning process.
- Maintain **compliance** with California Environmental Quality Act (CEQA).

Components of the Climate Action Plan

What is changing?

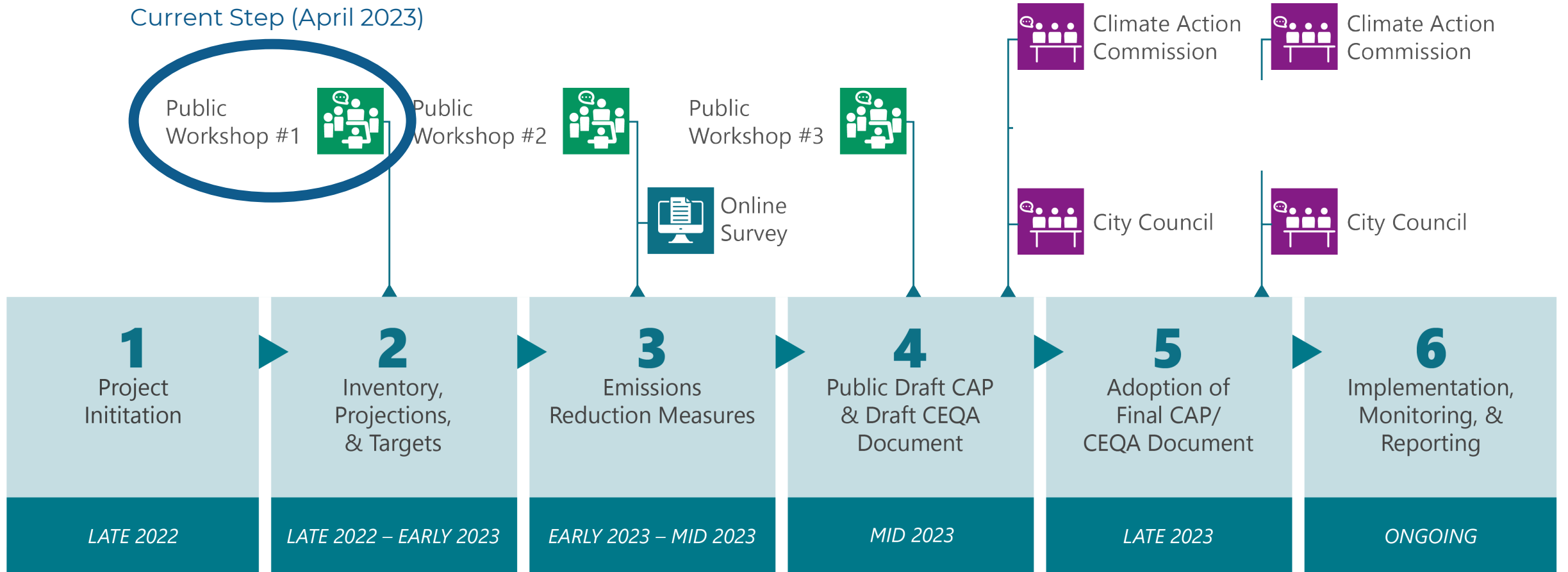
- Reflect progress to date
- Update forecast of future emissions
- Reorganize to align with County's Regional Decarbonization Framework
- Refresh and modernization to reflect current conditions
- Include equity

What is up for discussion and decision?

- What targets *should* the City set for future GHG emissions?
- What measures should the City commit to in the CAP to reduce GHG emissions
- Should any of the adaptation strategies be changed?

Schedule and Milestones

Current Step (April 2023)

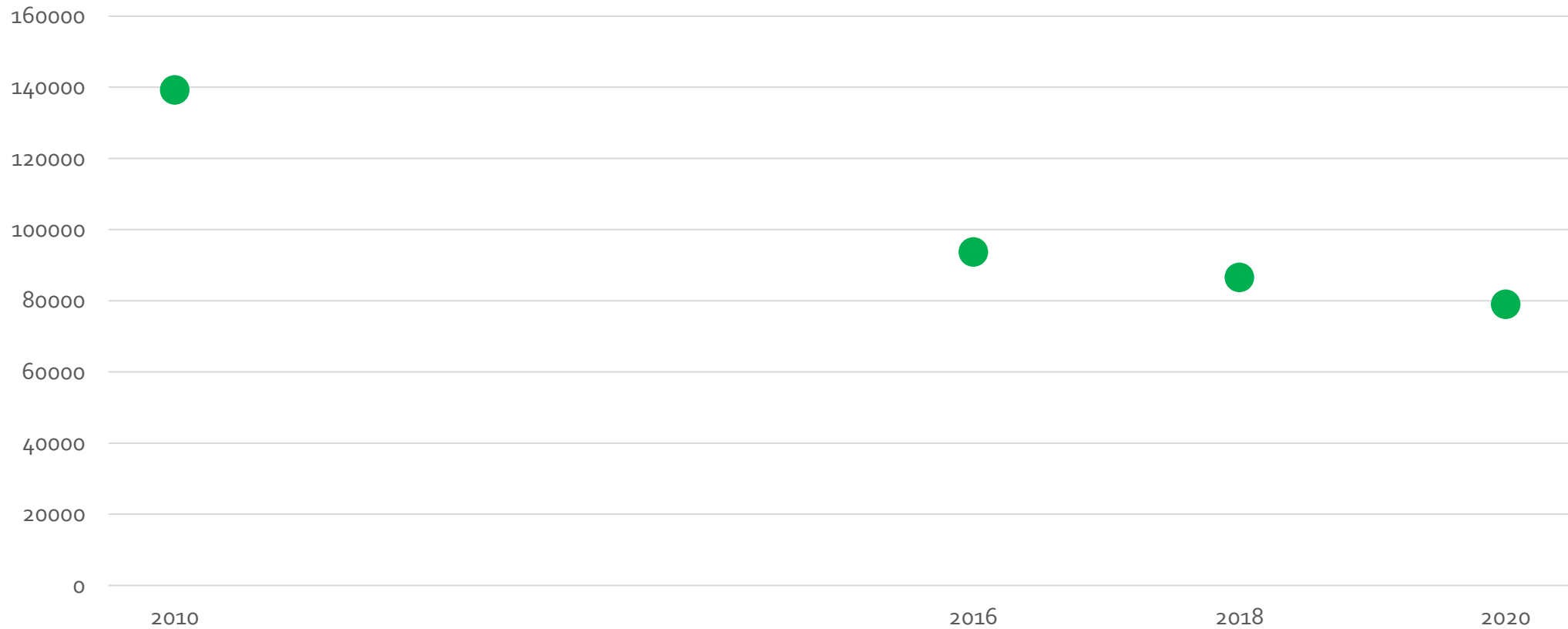


GREENHOUSE GAS EMISSIONS

Inventory, Projections, and Targets

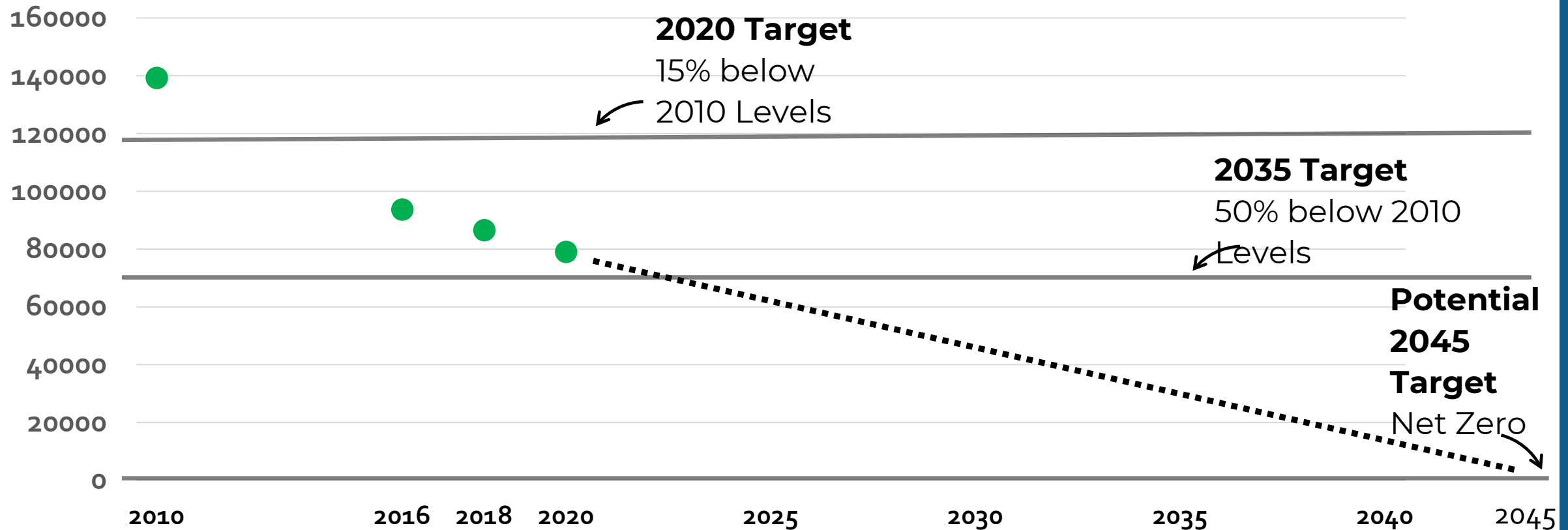
Total Citywide GHG Emissions

2010 - 2020



Source: Solana Beach 2017 Climate Action Plan, SANDAG, Energy Policy Initiatives Center University of San Diego

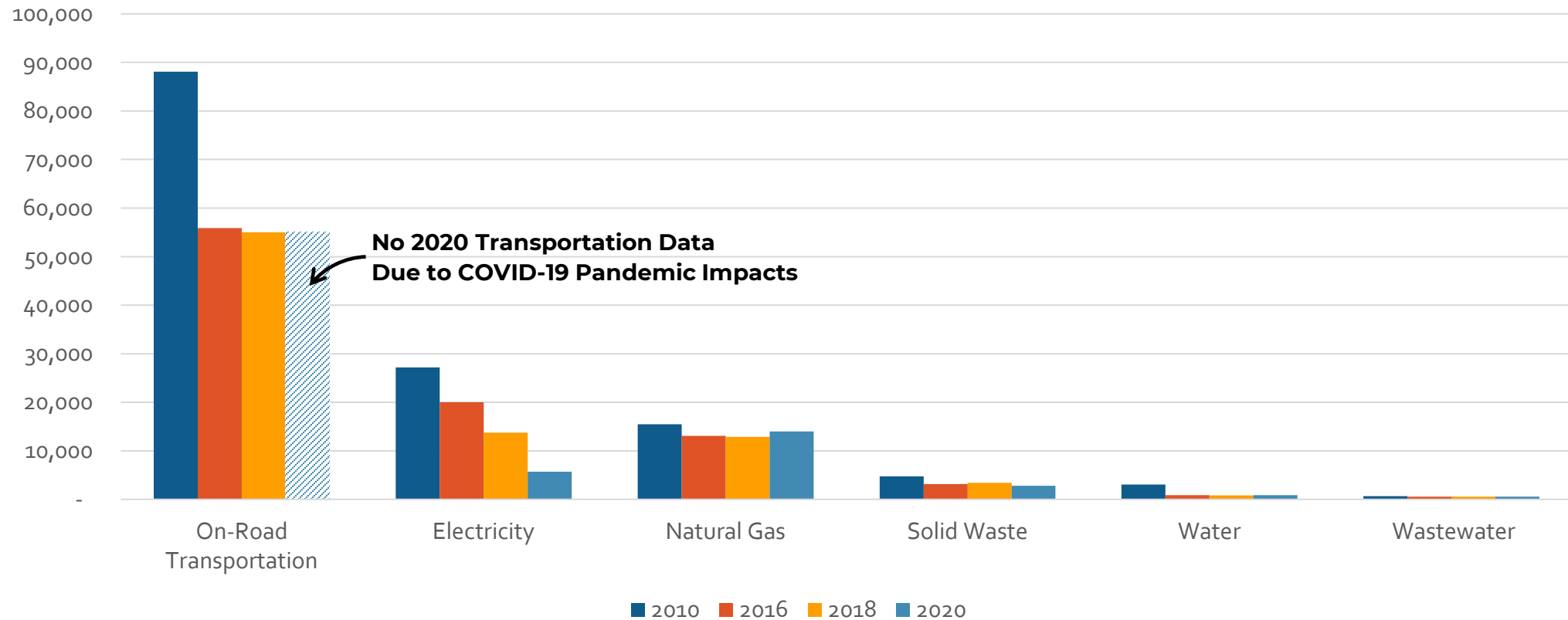
Solana Beach 2017 CAP Targets, Where We Are Now, and State Goals



Source: Solana Beach 2017 Climate Action Plan, SANDAG, Energy Policy Initiatives Center University of San Diego

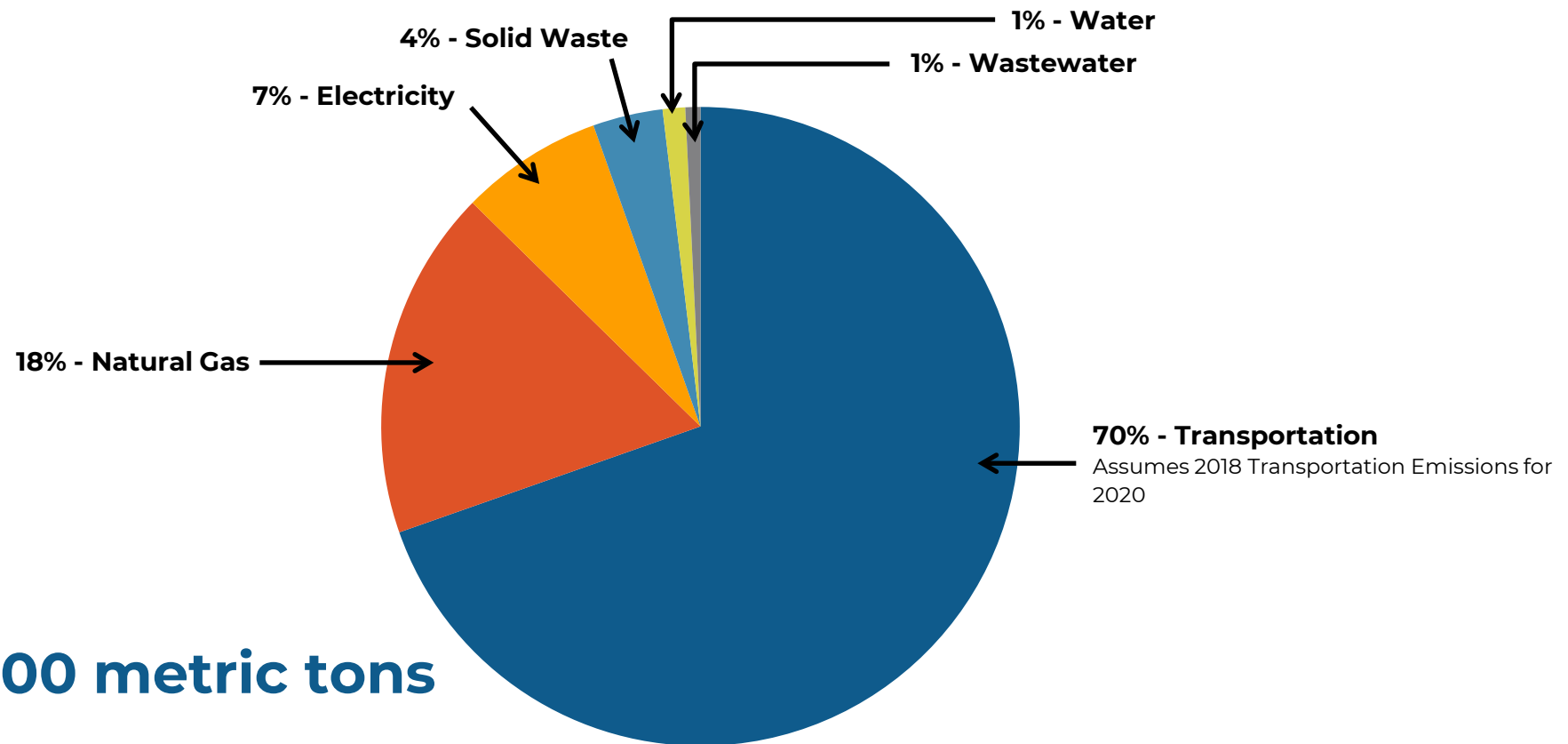
GHG Emissions by Sector

2010 - 2020



Source: Solana Beach 2017 Climate Action Plan, SANDAG, Energy Policy Initiatives Center University of San Diego

Emissions by Sector



2018 ~ 80,000 metric tons

■ On-Road Transportation ■ Natural Gas ■ Electricity ■ Solid Waste ■ Water ■ Wastewater

Source: Solana Beach 2017 Climate Action Plan, SANDAG, Energy Policy Initiatives Center University of San Diego

GHG REDUCTION ACTIONS

Regional Decarbonization Framework (RDF)

- Identifies Pathways to Decarbonization
- Adapt and Apply RDF to Solana Beach
 - Actions by Residents
 - Actions by Organizations
 - City actions
- Pushing to Decarbonization as New Goal

Align CAP Measures with Regional Decarbonization Framework

Five decarbonization pathways



What action at these scales?



Align CAP Measures with Regional Decarbonization Framework

Five decarbonization pathways



What actions can you take?



Residents



Organization
City Ops



Community
City

GHG Reduction Measures

- Decarbonize Transportation
- Decarbonize Buildings
- Actions for Food Systems and Circular Economy
- Land Use
- Natural Climate Solutions



Decarbonize Transportation

Residents

- Alternative Fuel Vehicles and Equipment
- Fuel Use Reductions
- Avoid Driving Alone to Avoid Miles Driven

Organizations

- Promote Alternative Fuel Vehicles and Equipment
- Promote Efficient Use of Fleet Vehicles
- Help Reduce Miles Travelled

City Operations and Employees

- Promote Alternative Fuel Vehicles and Equipment
- Reduce Miles Driven



Decarbonize Buildings

Residents

- Bathing, Showering and Outdoor Irrigation
- Clothes Washing and Drying
- Cooking and Dishwashing
- Electricity Supply
- Electronics
- Lighting
- Refrigeration
- Water Heating
- Space Cooling
- Space Heating

Organizations

- Energy Efficiency
- Electrify Appliances and Equipment

City operations

- Energy Efficiency
- Electrify Appliances and Equipment



Decarbonize Electricity

Residents

- Switch to 100% Carbon-free Electricity Supply
- Incentives to install storage

Organizations

- Switch to 100% Carbon-free Electricity Supply
- Install storage

City Operations

- Decarbonize Electricity Supply
- Increase storage options



Food Systems and Circular Economy

**All Scales
(Residents,
Organizations, City
Operations)**

- Reduce Waste
- Zero waste events
- Recycling containers
- Take back programs



Land Use and Natural Climate Solutions

City Operations

- Reduce Water Use
- Tree planting
- Green streets
- Capture storm water
- Land use planning

Organizations

- Reduce Water Use
- Water audits
- Landscaping to preserve carbon and water

Residents

- Landscaping to Reduce Water Use

PROVIDE YOUR INPUT

Presentation Boards and Open House Activities

- Visit the presentation boards around the room
- Learn about the actions to reduce emissions
- Place a dot sticker next to the **actions you can take**
- Add sticky notes to leave comments or **share your ideas**

Residents:

ACTIONS TO REDUCE ROAD TRANSPORTATION EMISSIONS

Instructions: Place a sticker in the box next to the actions that you think are most important to include in the Climate Action Plan.

Alternative Fuel Vehicles and Equipment	Avoid driving alone to avoid miles driven
Install electric vehicle charging equipment at home	Walk to nearby destinations
Purchase an electric vehicle	Bike to work or to run errands if possible
Charge your electric vehicle during the day when solar power is abundant on the grid	Reduce air travel when possible
Choose electric and battery-powered options for new lawn mowers and garden equipment	Consider using an electric bike (e-bike) to bike longer distances (e.g., commuting)
	Participate in carshare programs
	Purchase micro-mobility options like scooters
	Replace vehicle trips with transit trips
	Take advantage of employer incentives and use alternative modes of transportation
	Use a vanpool or carpool to commute to work
	Use carpools to take children to school or use the school bus, if available
	Use free parking at trolley stations to take your nearest trolley to destinations
	Use micro-mobility service options like scooter programs
	Use telehealth options when appropriate to reduce driving to and from health facilities
	Use the free tram service between the Old Town Transit Center and Airport
	Work from home when possible
Other Ideas?	
Please use a sticky note below to add other ideas or to share comments or questions.	

City of Solana Beach | Climate Action Plan Update

NEXT STEPS

THANK YOU!

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