Del Mar Climate Action Plan

ADOPTED JUNE 6, 2016

Energy Policy Initiatives Center (EPIC)

Nilmini Silva-Send

- Used data gathered from SANDAG (VMT) and SDG&E (natural gas and electricity usage) to create our GHG inventory

- Made suggestions for reducing GHG in each category

Climate Action Plan written by Atkins

2012 Greenhouse Gas (GHG) Emissions Inventory in Del Mar

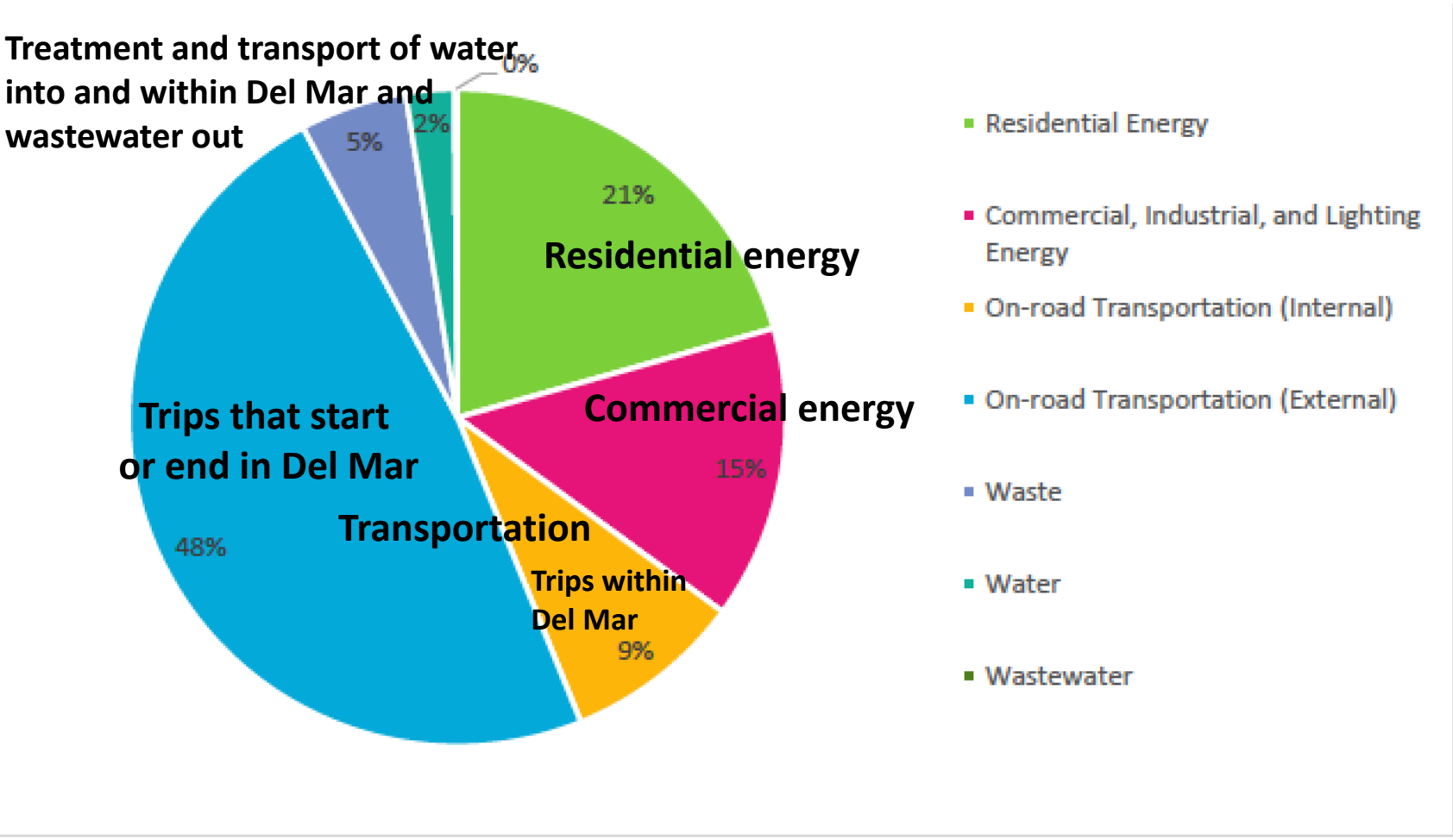


FIGURE ES-1 Community GHG Emissions by Sector for the Baseline Year (2012)

Forecasts and Target Setting

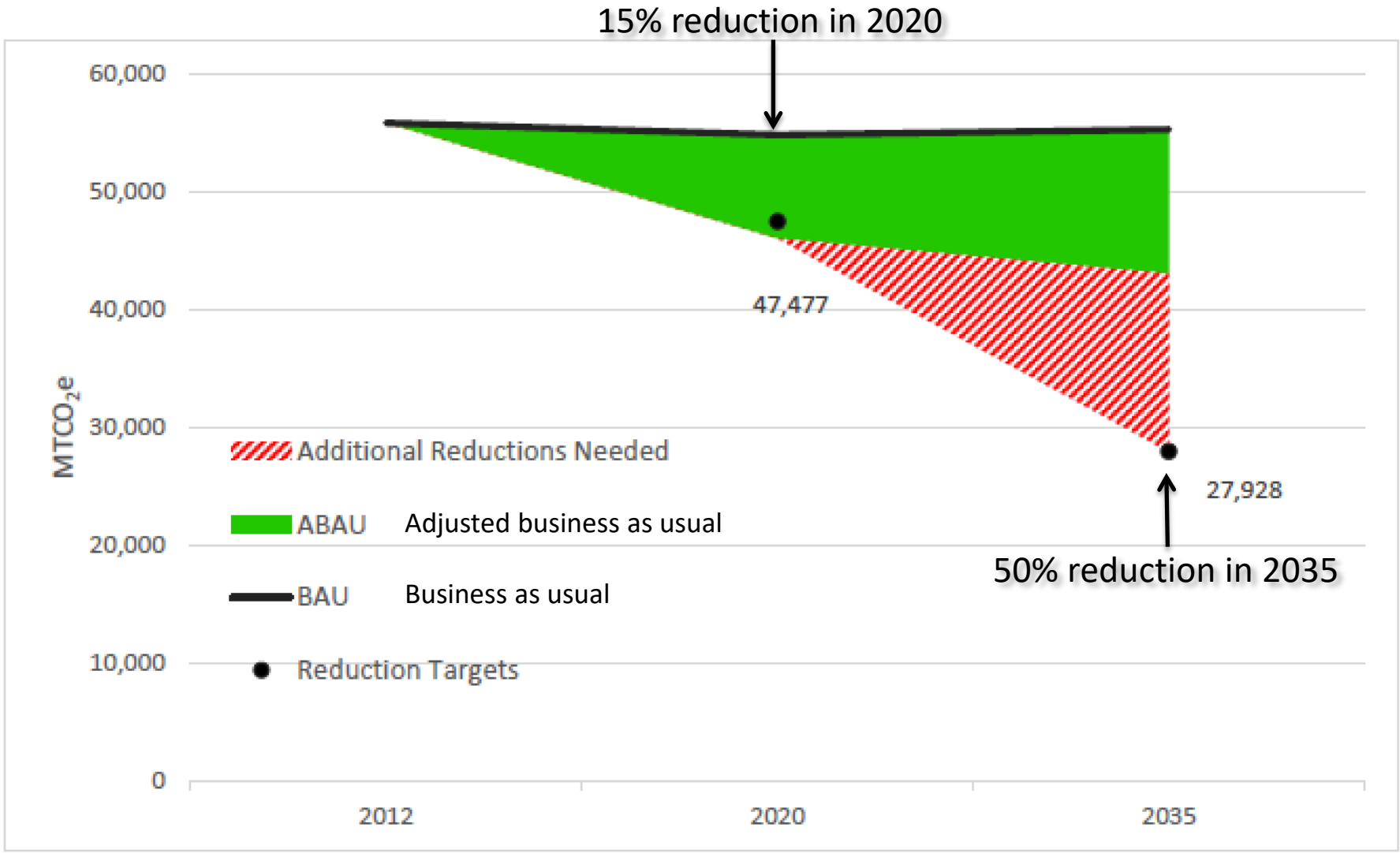


FIGURE ES-2 Community Emissions Inventories, Projections, and Targets

Identifying Measures and Strategies to Reduce GHG Emissions

- **Energy and Buildings**
- **Waste, Water, and Tree Planting**
- **Transportation**

Proposed Strategies to Reduce GHG Emissions

Energy and Buildings

- **Streamline applications which incorporate efficient energy aspects, use sustainable sources of energy**
- **Increase use of solar photovoltaic and solar hot water heaters**
- **Easier permitting to increase energy efficiency through retrofits to upgrade buildings**
- **Support participation in a Community Choice Energy providing 100% renewable energy by 2035**

Potential Combined GHG Reduction Amount:

2020	2035
1,966 MT	6,545 MT

Goal 7 of Del Mar CAP: Renewable Energy Supply

100% Clean Energy Goal

advice from Climate Action Campaign, Nicole Capretz

~91% of goal to be achieved by combination of:

- Renewable electricity supply policies
- Explore partnering with neighboring cities in forming a regional CCE
- Increased photovoltatic (solar) usage (new City Hall will have extensive solar)

Remaining ~9% achieved through purchase of renewable energy credits (RECs)

Proposed Strategies to Reduce GHG Emissions

Waste, Water, & Tree Planting

- **Explore Zero-Waste policy/program**
- **Reduce solid waste and divert from landfill**
- **Promote increased water efficiency**
- **Implement an urban tree planting program**

Potential Combined GHG Reduction Amount:

2020	2035
973 MT	2,098 MT

Proposed Strategies to Reduce GHG Emissions

Transportation

- **Increase transit ridership**
- **Encourage use of electric vehicles (e.g. charging stations, parking)**
- **Achieve "complete streets" – safe and attractive mobility for motorists, pedestrians, bicyclists, and transit**
- **Support use of alternative fuels, high-efficiency, and clean vehicles**
- **Roundabouts at four-way stop intersections**

Potential Combined GHG Reduction Amount:

2020	2035
4,750 MT	8,893 MT

Summary of the Local Reductions

TABLE ES-4 Reductions from Community GHG Strategies		
Community Sectors	Emission Reductions ($MTCO_2e$)	
	2020 Horizon	2035 Horizon
Energy and Buildings	1,966	6,546
Water and Waste	856	1,863
Transportation	4,750	8,893
Urban Tree Planting	117	234
Total Community Reductions	**7,689**	**17,536**

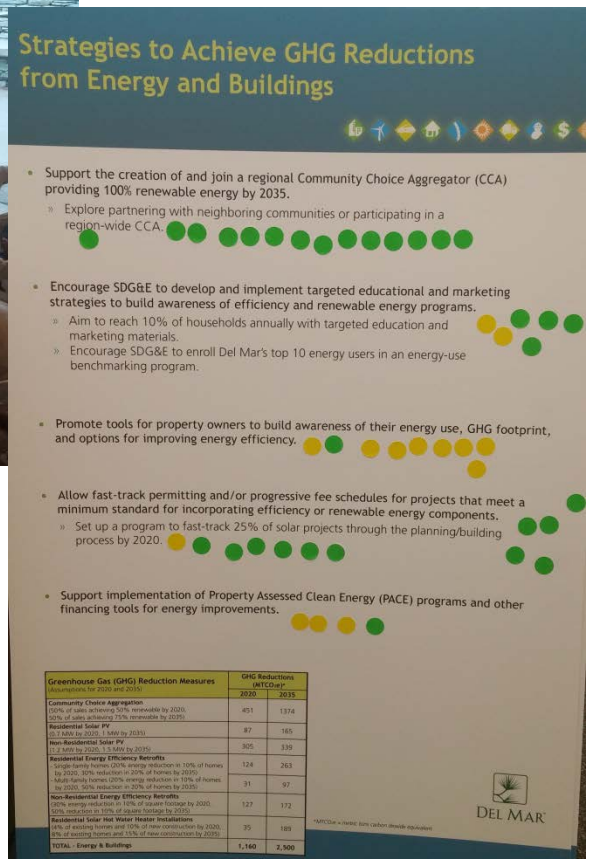
Acronyms:
$MTCO_2e$ = metric tons of carbon dioxide equivalent

GHG Reduction Targets

	2020	2035
Baseline Starting Point	55,855 MT	55,855 MT
Reduction Goal	15% Reduction	50% Reduction
Proposed Reduction Target	47,477 MT	27,928 MT
Reductions from State & Federal Regulations	8,793 MT	12,266 MT
Reductions from Local Measures	7,689 MT	17,536 MT
Status	**Target Met**	**Target Met**

Public Input on our CAP

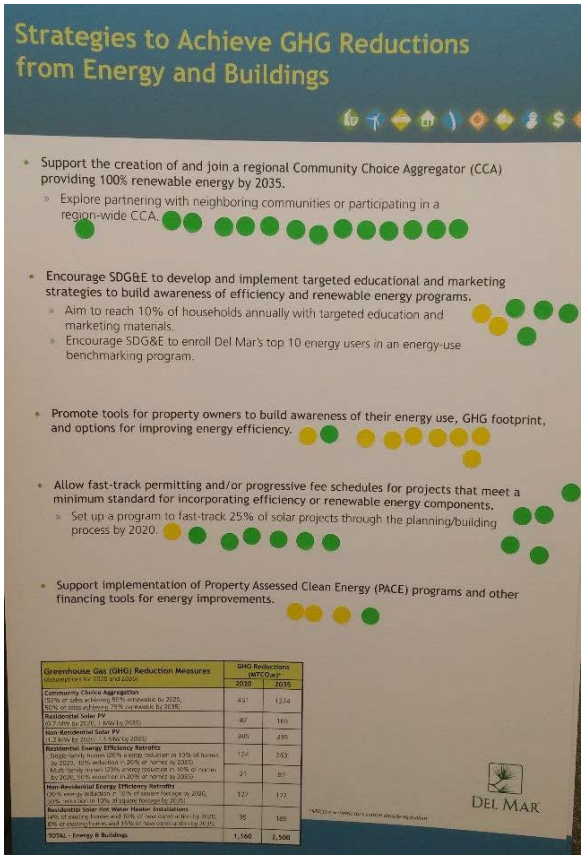
CAP Workshop and Sustainable Lifestyle



- September, 2015
- 13 exhibitors – local nonprofits
- Presentation describing CAP
- Posterboards for community input

After Workshop, Sustainability Advisory Board and city staff (Kristen Crane):

- Evaluated public input
- Evaluated the measures with the greatest potential GHG reduction
- Evaluated cost and city staff effort
- Established Phase 1 priorities



Phase One Priorities

- **Increased use of renewable energy, including CCE**
- **Facilitating planning and building application process for installation of solar panels and energy retrofits**
- **Developing a Zero-Waste Program/Policy**
- **Implementing “Complete Streets” for arterial streets**
- **Explore installation of roundabouts**
- **Possible urban tree planting program**