

# Presentation for the AEE Committee of Monterey County

By Ashley Paulsworth

Sustainability Program Manager for  
Monterey County

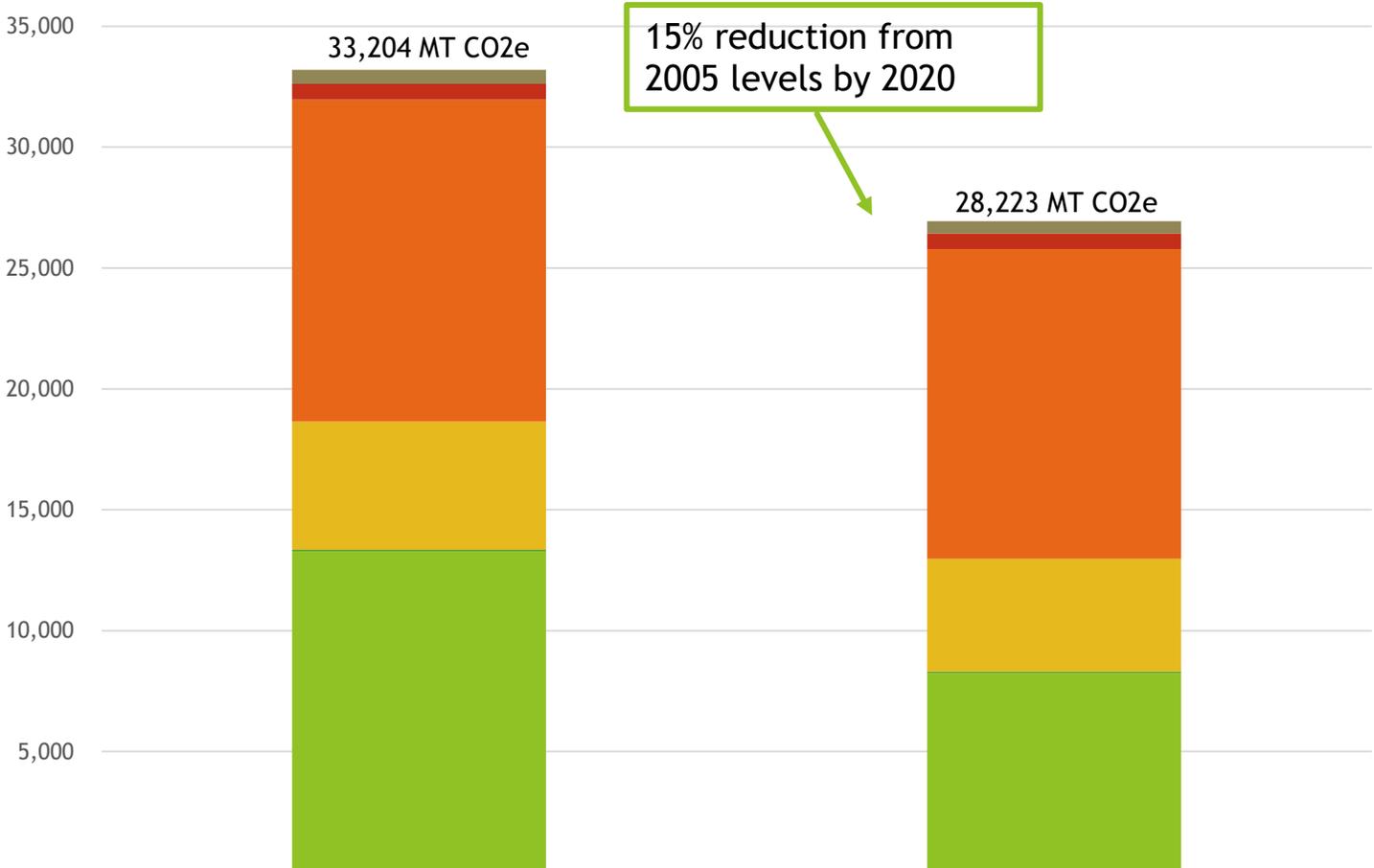
3/27/2020





# ▶ 2013 MCAP Update

# County Emissions: Baseline vs. Target



	2005	2020 Target
Water & Wastewater Treatment Facilities	580	500
Solid Waste Facilities	660	660
Employee Commute	13,312	12,807
Vehicle Fleet	5,301	4,665
Street Lights & Traffic Signals	74	54
Buildings & Facilities	13,277	8,252

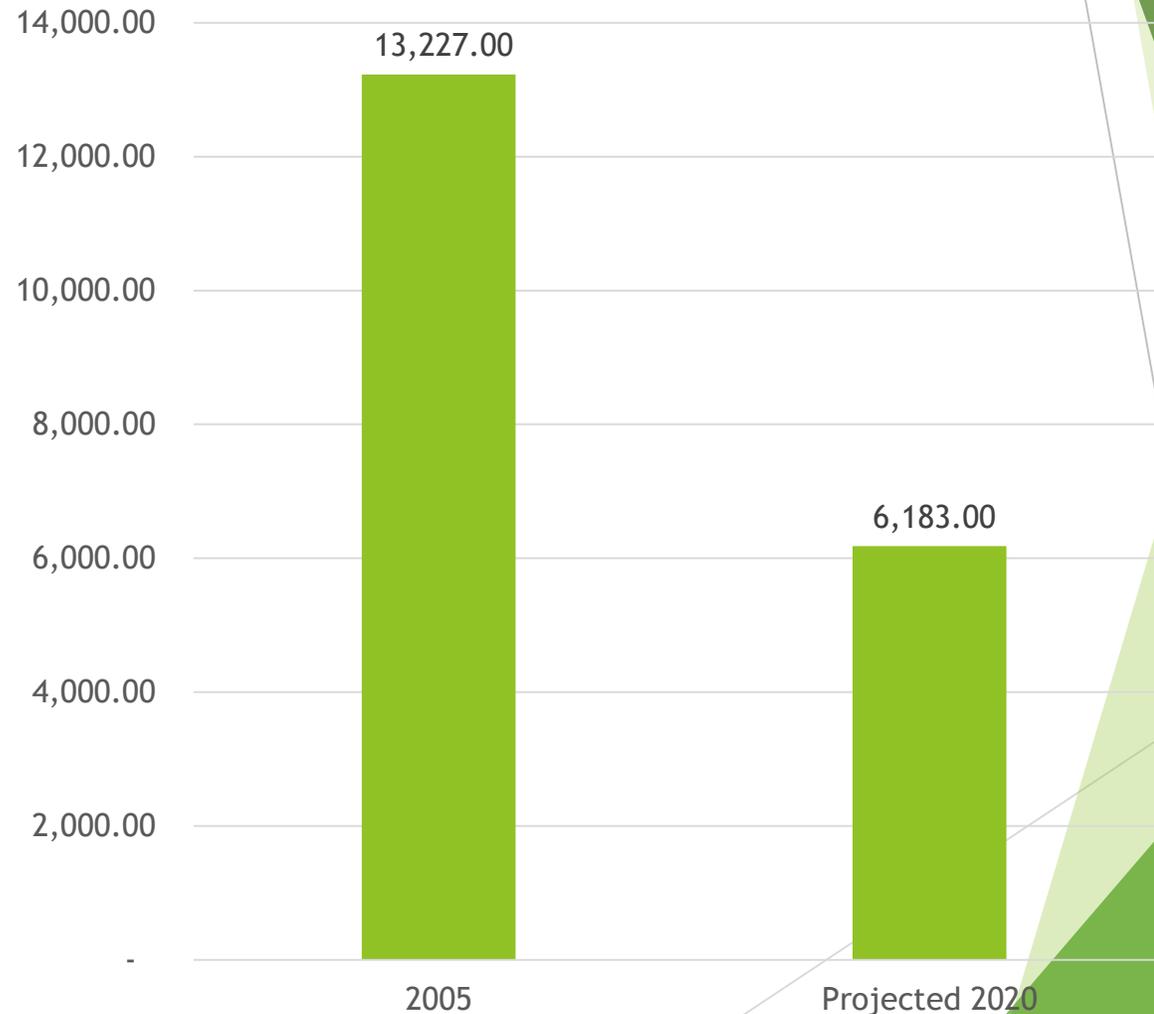
# Reductions Measures Suggested

<b>Total</b>	<b>Reductions Needed to Reach Target (A minus B)</b>	<b>4,441</b>
	Reductions from required State level actions	2,263
	Remaining NMC Measures	1,445
	Remaining Public Works Audit Report Measures	491
	Building Energy Management Systems Measure	1,013
	Electric Vehicle Measure	4
	Public Lighting Measure	20
	All Other Completed Measures	957
<b>Total</b>	<b>All Reductions</b>	<b>6,194</b>

## 2030 MCAP Goals

- ▶ Emissions from County Operational Energy use decreased significantly due to the zero emissions electricity procured through Monterey Bay Community Power which sources carbon free electricity for the county.
- ▶ Absolute reduction of 7,044 MT CO<sub>2</sub>
- ▶ Goal: Net Zero by 2030

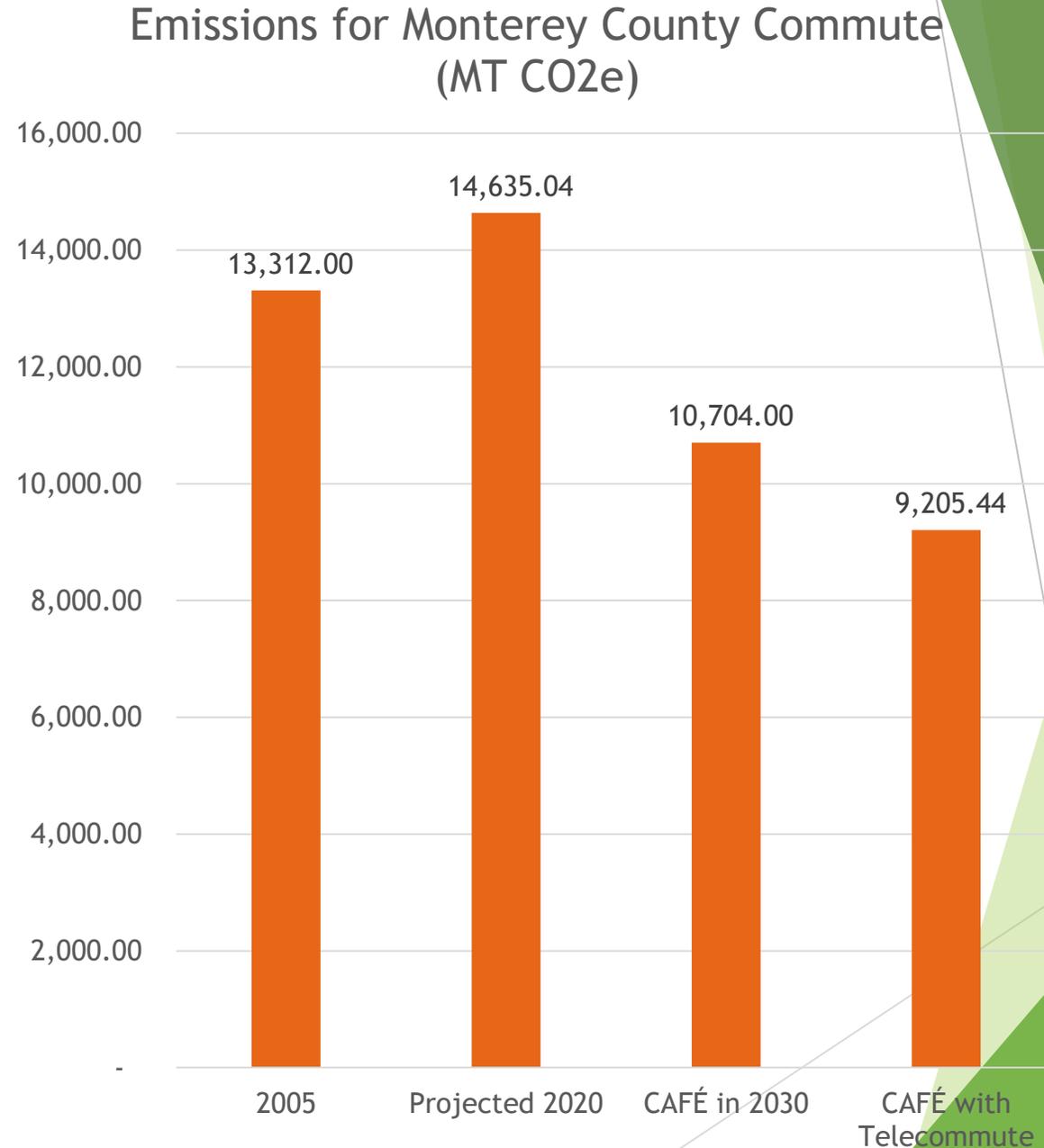
Building Energy Emissions 2005 vs  
Projected 2020  
(MT CO<sub>2</sub>e)



## 2030 MCAP Goals

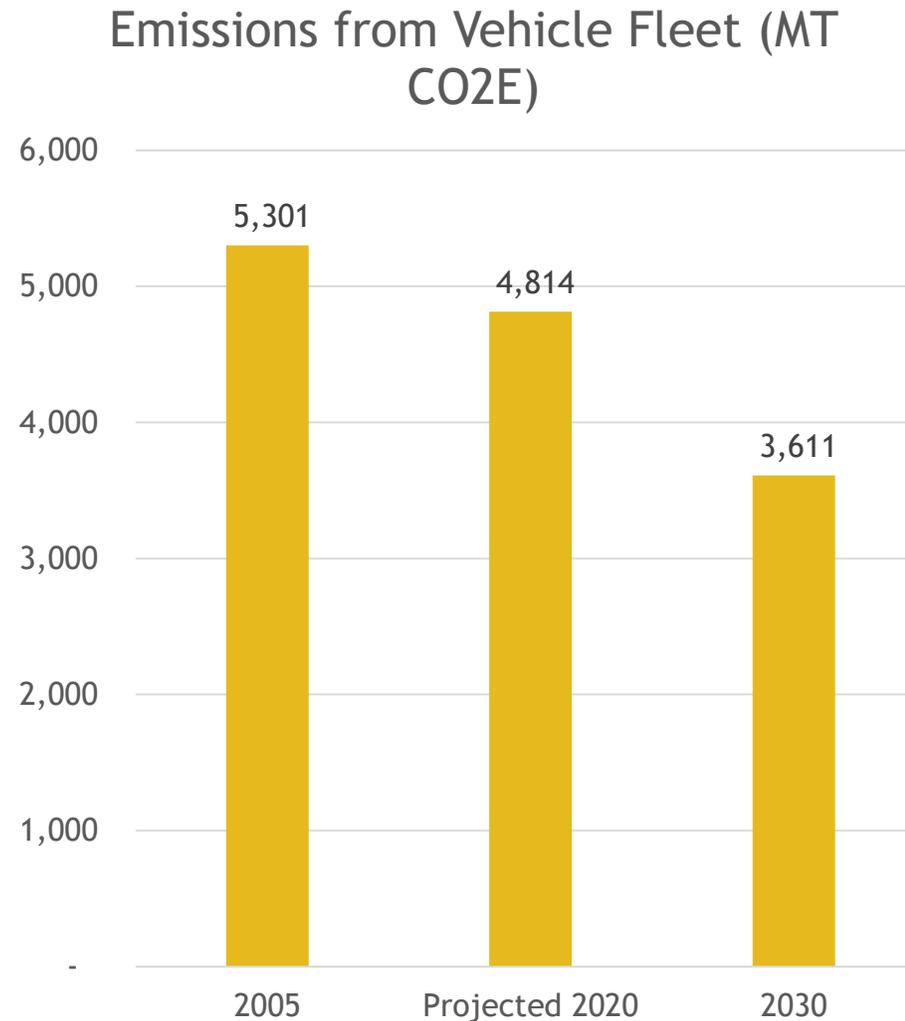
- ▶ Emissions from County Commute
- ▶ Goal: 35% telecommute 2 days a week and average MPG of employee fleet is 35MPG in 2030 leads to a 31% reduction in emissions from employee commute from 2005.
- ▶ Other ideas:
  - ▶ Transit passes
  - ▶ EV incentives
  - ▶ Support active transit infrastructure

\*Employee Growth is not taken into account



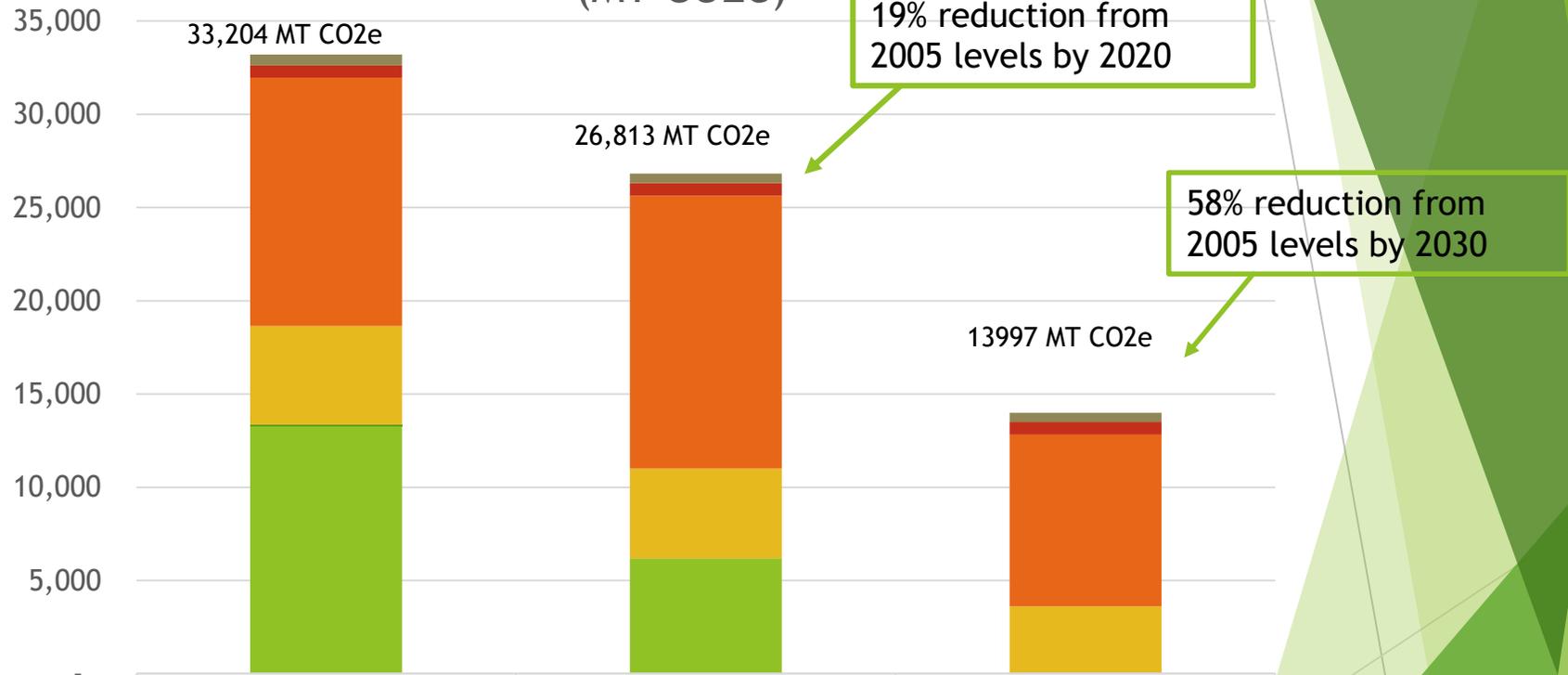
## 2030 MCAP Goals

- ▶ Emissions from Vehicle Fleet
  - ▶ Goal: Reduce fleet emissions by 25% from projected 2020 data through combination of preventative maintenance program, increased fuel economy due to CAFÉ and 10% electric vehicle purchasing policy.



# 2030 MCAP Goals

Monterey County Operational Emissions  
(MT CO<sub>2</sub>e)



	2005	Projected 2020	2030
Water & Wastewater Treatment Facilities	580	500	500
Solid Waste Facilities	660	681	681
Employee Commute	13,312	14,635	9,205
Vehicle Fleet	5,301	4,814	3,611
Street Lights & Traffic Signals	74	-	-
Buildings & Facilities	13,277	6,183	-

*\*2030 scenario does not account for employee growth*

# Moving Forward-

- ▶ Final Update to close out 2013 MCAP
  - ▶ Short formal report on works completed and areas of opportunity
- ▶ 2030 Goals
  - ▶ Reduction from 33,204 MT CO<sub>2</sub>e (1990 levels) by 40% to 19,922 MT CO<sub>2</sub>e by 2030.
  - ▶ Net Zero facilities via 2030 Facilities Master Plan
  - ▶ Aim for Zero Waste
- ▶ Community Wide MCAP in conjunction with all 12 cities!
  - ▶ *Regional efforts are needed to improve transportation options.*

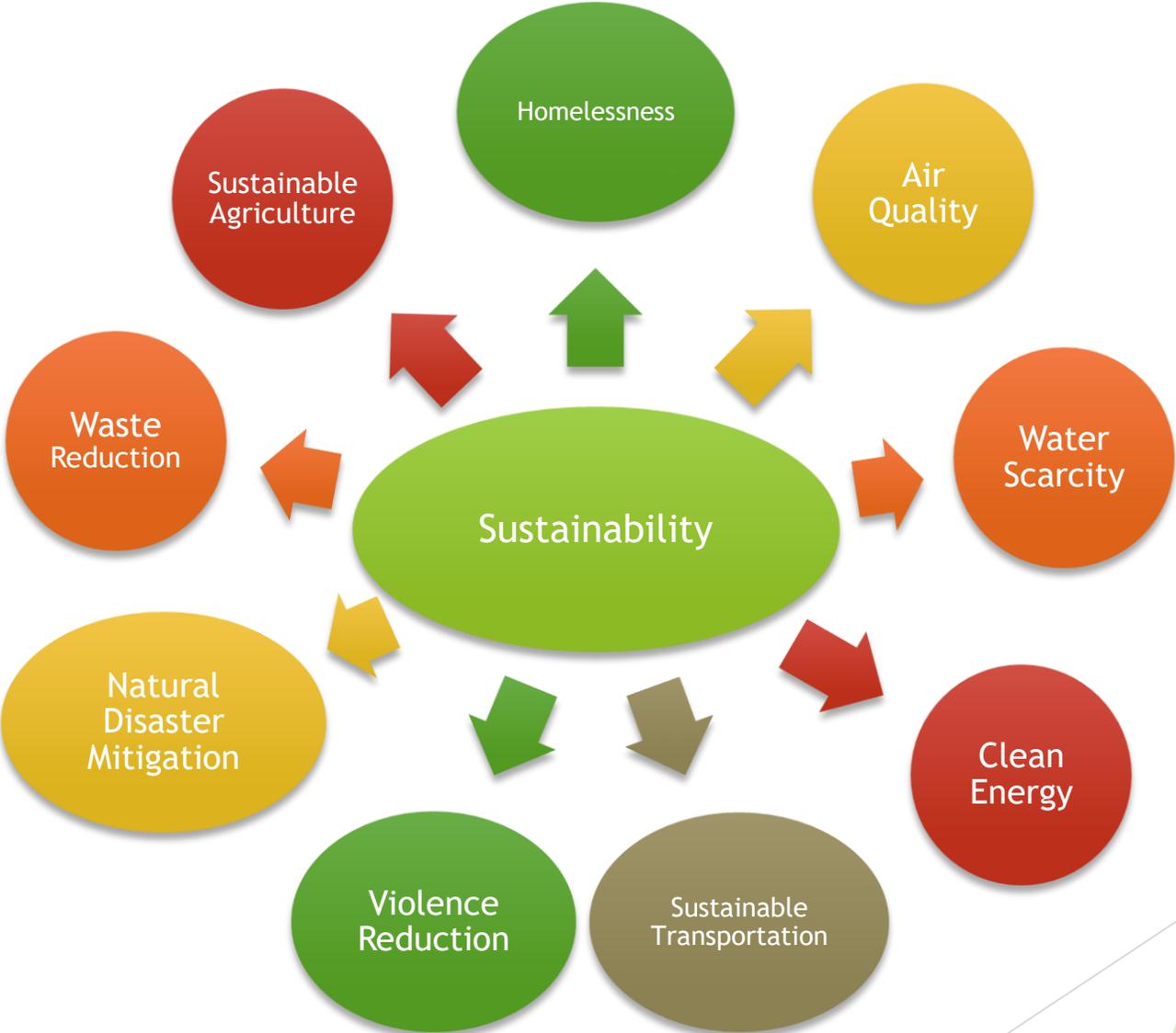
# Regional Climate Convening

- ▶ Regional Convening of Central Coast County Climate leaders to work together to share best practices in achieving 2030 reductions targets at the community level.
- ▶ Monterey County has an opportunity to host this summit for 1.5 days at the government center offices in late May or early June.
- ▶ Opportunity to leverage and model what has already been adopted and is working in other counties rather than re-create the wheel.

# Recalibrating Sustainability at

## ▶ Monterey County

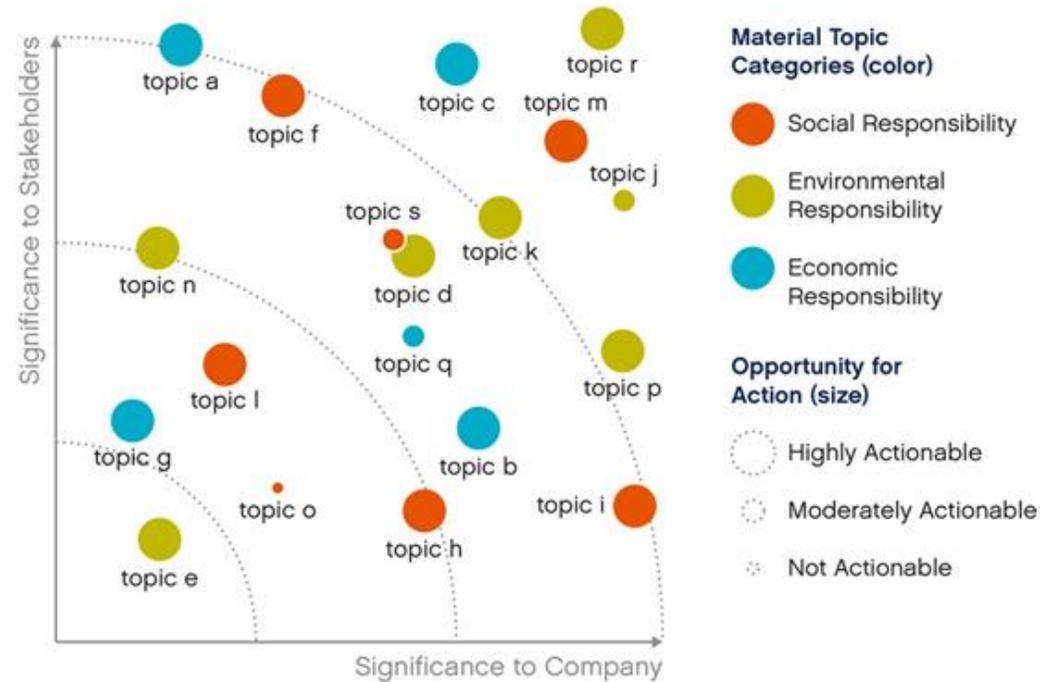
# What Does Sustainability Mean to You?



# Community Wide Survey

- ▶ Goal 1: Understand sustainability within the context of Monterey County and set meaningful Sustainability Goals
  - ▶ **Action:** Survey community members, alliances, trade groups, employees, department leaders and Board of Supervisors and create materiality matrix showing critical sustainability issues.
  - ▶ **Benefit:** Creates buy-in to goals from all stakeholders and decreases resistance to action plans

Materiality Matrix



 **SUSTAINABLE DEVELOPMENT GOALS**



# United Nations Sustainable Development Goals

# Proposed list of Monterey County specific topics for survey

Air Quality	Clean Energy and Emissions Reductions	Climate Action and Awareness	Discrimination Issues	Economic Growth/ Development of Industry
Financing for Sustainable Development	Forest Conservation and Wildfires	Homelessness and Affordable housing	Institutional Transparency and Corruption	Marine Protection and Conservation
Natural Disaster Mitigation and Resiliency	Partnerships with our Cities and Regions	Sustainable Agriculture	Sustainable Transportation	Urbanization/ Walkable communities

 Environmental Topics

 Social Topics

 Economic Topics

Violence Reduction

Waste Management Reduction and Reuse/Food waste/water waste

Water Scarcity

Workforce Development and education

# Community-Wide MCAP

- ▶ Sets county-wide goals for emissions reductions for 2030
- ▶ Allows for regional planning with a 10 year horizon
- ▶ Brings all 12 cities in
- ▶ Pools Resources



# Employee Engagement

- ▶ Develop Sustainability Ambassadors at the County
  - ▶ Goal for at least one per department
  - ▶ Create a team of “boots on the ground” staff to assist in office sustainability issues such as
    - ▶ Water Stations
    - ▶ Waste Management and Composting
    - ▶ Double sided printing
    - ▶ Need for EV charging stations
- ▶ Host Earth Day at the County
  - ▶ Date: April 22<sup>nd</sup> (may postpone due to COVID-19)

# Community Engagement

- ▶ Work together with Sustainable Communities of Monterey County and similar advocacy groups to launch programs for sustainable practices
  - ▶ Food Waste/organics program/Kitchen Compost bins
  - ▶ Plastic Bag Ordinances
- ▶ Develop and update the county's sustainability website
  - ▶ Publicize MCAP and updates to MCAP
  - ▶ List county efforts on sustainability
  - ▶ Publicize county goals and matrix
  - ▶ Link to resources

# Agenda Items for Next Meeting

- ▶ Review Pilot Project and SPURR solar array outcomes
- ▶ Review proposed list of internal and external stakeholders for survey
- ▶ Presentation from CAL Recycle on Food Waste Diversion bill and hauler challenges



# Thank you!

Ashley Paulsworth

Sustainability Program Manager

County of Monterey

Phone: 831.755.5344

Email: [PaulsworthAL@co.Monterey.ca.us](mailto:PaulsworthAL@co.Monterey.ca.us)