

Regional Decarbonization Framework

**A Collaborative Effort
to Lower the Region's
Carbon Footprint**

Transportation Sector Workshop

April 21, 2022



Learning from Our Past

There is harmony between land, nature and its people. While true for all neighborhoods, one specific group of people have endured displacement from their lands, persecution, and systemic oppression and deserve special recognition today.

As we begin our journey of regional decarbonization, we acknowledge the unceded territory and homelands of the 17 tribal nations in the region – the most in any county in the United States.

Kumeyaay/Diegueño

Luißeño

Cupeño

Cahuilla

Regional Decarbonization Framework



Integrated Regional Decarbonization Framework



**Technical Report
led by UC San Diego**

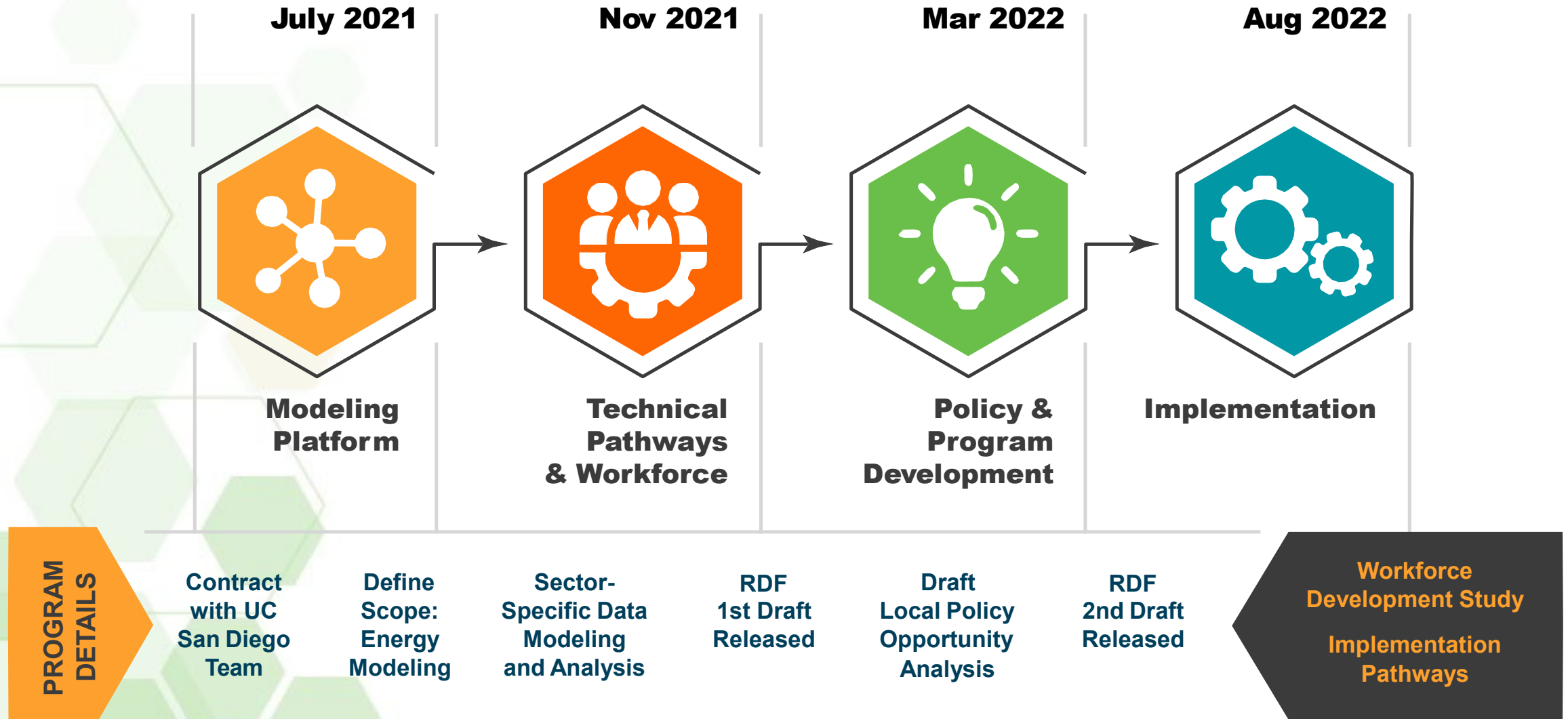


**Workforce Development
Study by Inclusive
Economics**



**Implementation
Pathways**

Timeline



Initial Comment Period

Individual members of the San Diego regional community

Building Industry Association of San Diego County

California Air Resources Board

Campo Lake Morena CPG

Center for Community Energy

Climate Action Campaign

IBEW Local 569

J. Whalen Associates Inc.

San Diego 350

San Diego Regional Policy & Innovation Center

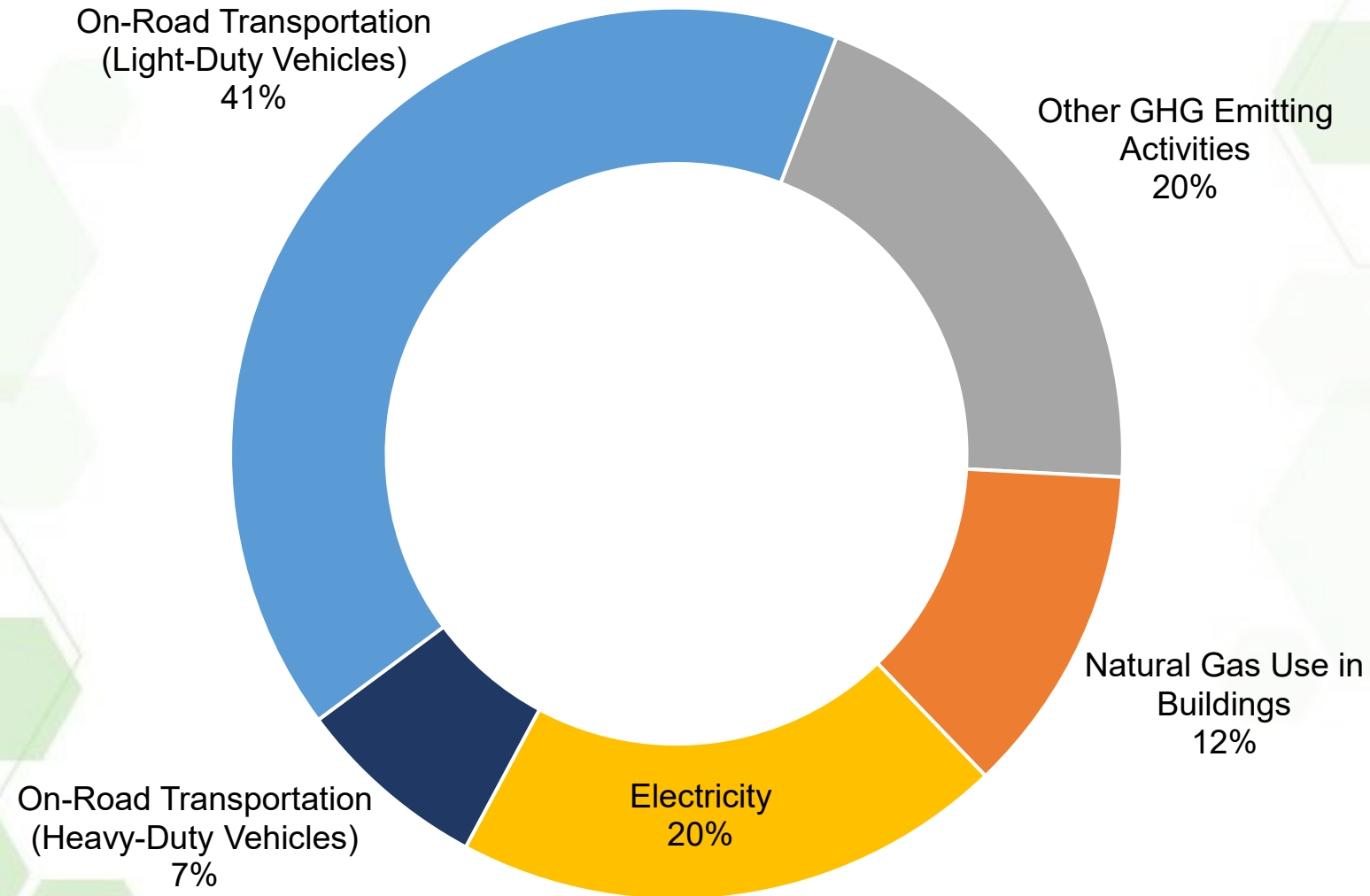
Sierra Club of San Diego

Southwest Wetlands Interpretive Association

UA Local 230

Vice Chair Vargas's staff

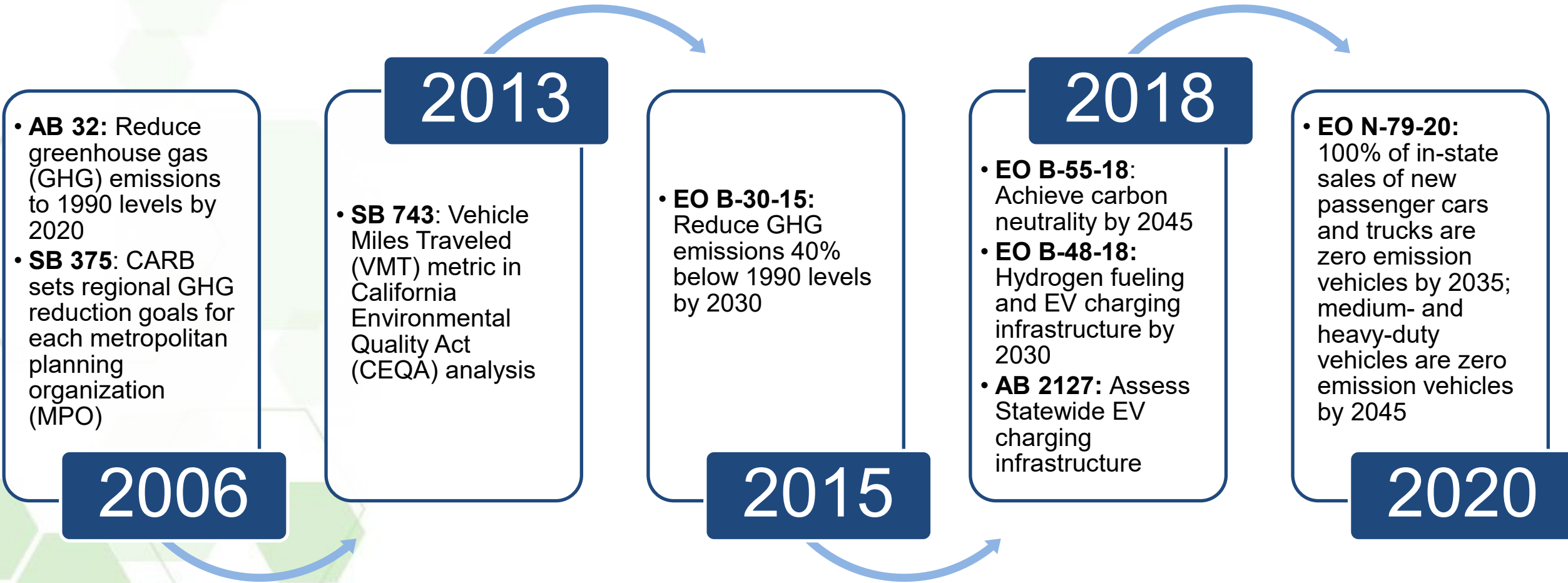
Regional Emissions of Greenhouse Gases, Measured in Carbon Dioxide Equivalent



Four Decarbonization Pathways



State Policy Context



Transportation Decarbonization Strategies



RDF Technical Report Transportation Chapter

FEHR & PEERS



Key Takeaway 1: Strong Policy Foundation to Reduce Transportation Emissions

SANDAG 2021
Regional Plan &
5 Big Moves

Accelerate to
Zero (A2Z)
Emissions
Electric Vehicle
Gap Analysis
(2021)

San Diego
County's Electric
Vehicle
Roadmap (2019)

Climate Action
Plans

Additional
Agency, City, and
County Goals
and Actions

Key Takeaway 2: Projected Annual Emissions Reductions Do Not Achieve State Mandated Carbon Neutrality

	RDF Energy Modeling (Evolved Energy Research)	SANDAG (ABM2+)
2030	25% - 47%	27%
2035	51% - 82%	34%
2050	100% - 109%	34%

Key Takeaway 3: Numerous Policy Options Available and Opportunities for Regional Collaboration



Key Takeaway 3: Numerous Policy Options Available and Opportunities for Regional Collaboration

- Install public EV chargers
- Set jurisdiction fleet adoption goals
- Require reserved “clean vehicle” parking
- Encourage private EV charging
- Require private development to be “EV-ready”
- Require private EV charging
- Focus on areas with low EV uptake



Key Takeaway 3: Numerous Policy Options Available and Opportunities for Regional Collaboration

- Enhance and expand transit
- Enhance and expand active transportation (biking, walking, and rolling)
- Encourage smart growth, urban connectivity, and density by changing zoning to promote mixed-use developments
- “Right sizing” parking requirements
- Expand broadband



Key Takeaway 3: Numerous Policy Options Available and Opportunities for Regional Collaboration

- Establish anti-idling requirements, especially around schools
- Retire older vehicles with low gas mileage standards
- Identify areas for traffic calming measures



Conclusions

- Pathways to meet State-mandated carbon neutrality goals for transportation
- Current policy landscape is strong, but current policies are insufficient to meet State requirements
- Transportation policies can be more effective when designed from a regional perspective



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