

2022 Scoping Plan Update Kick-off Focus Area Workshop



ELECTRICITY SECTOR

JUNE 10, 2021

Agenda

- Introduction and Overview
- Panel Presentations
- Public Comments, Questions, and Discussion
- Closing

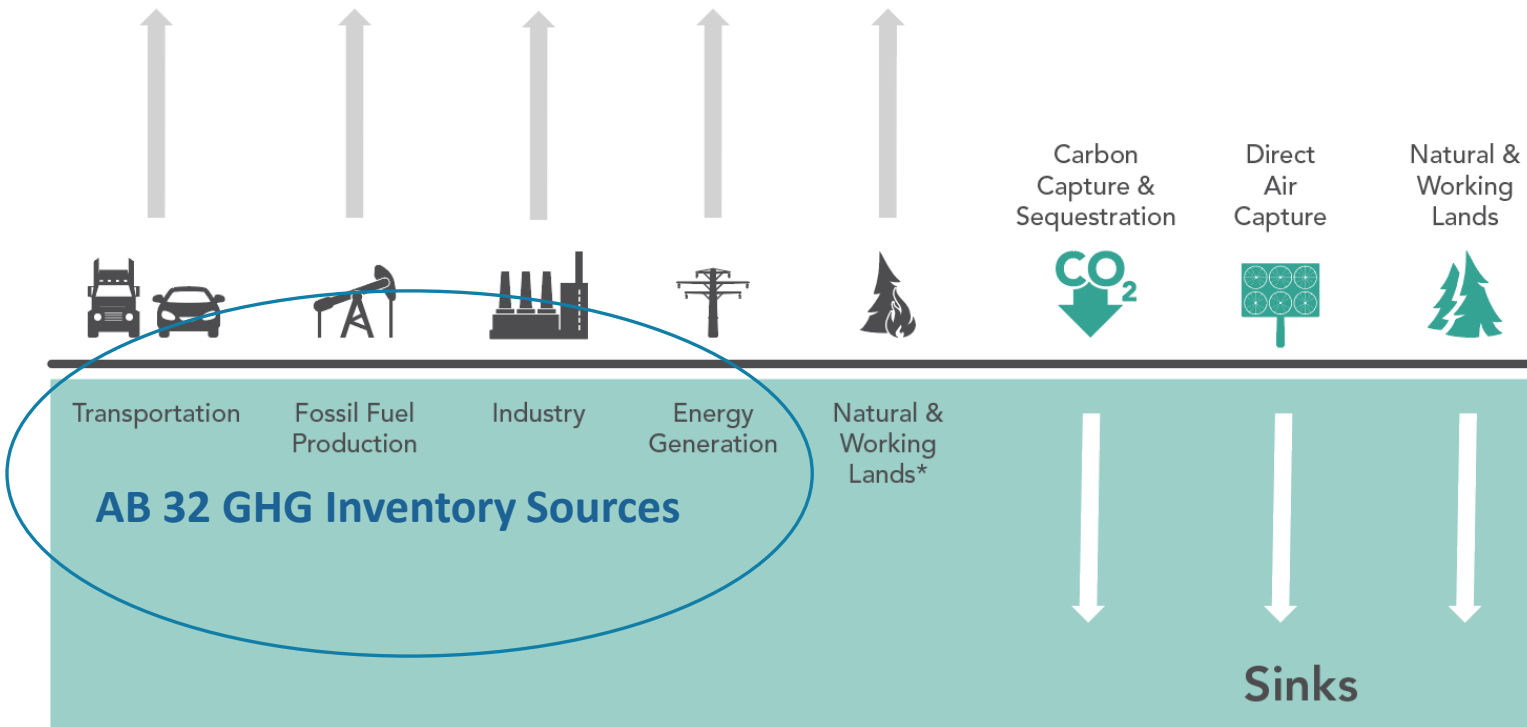
Purpose of Today's Workshop

- Build from Day 1 Scoping Plan overview workshop
- Enable more focused discussion of initial SB 100 Joint Agency Report, next steps in planning for clean energy resource build, and electric and gas cost and rate trends over the next decade
- Raise questions for stakeholder input
- Provide an opportunity to influence how the approach and recommendations evolve

Science-based Target: Achieve Carbon Neutrality (CO₂e) Mid-Century

Sources equal Sinks

Sources

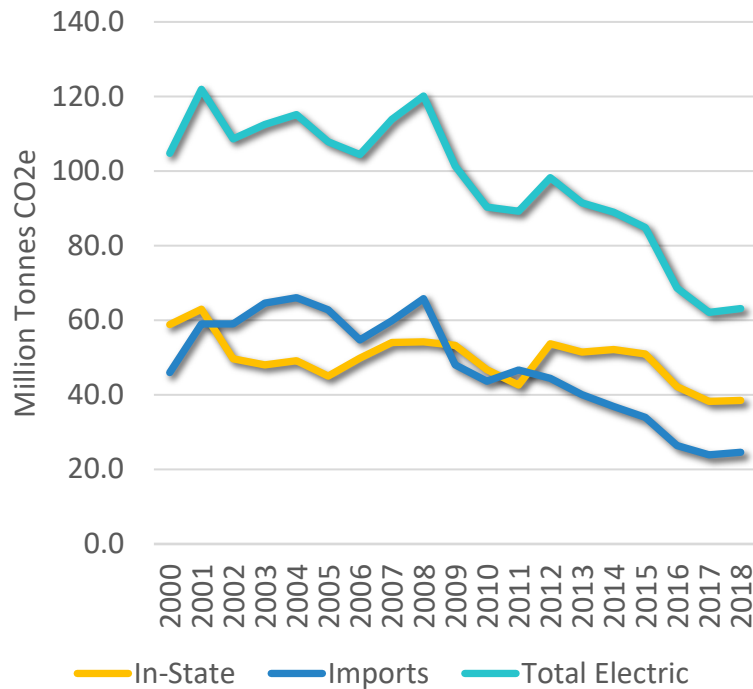


- Continue to reduce emissions from sources in AB 32 GHG Inventory
- Reduce emissions and increase sequestration in Natural and Working Lands
- Maximize all sinks with goal of achieving net negative

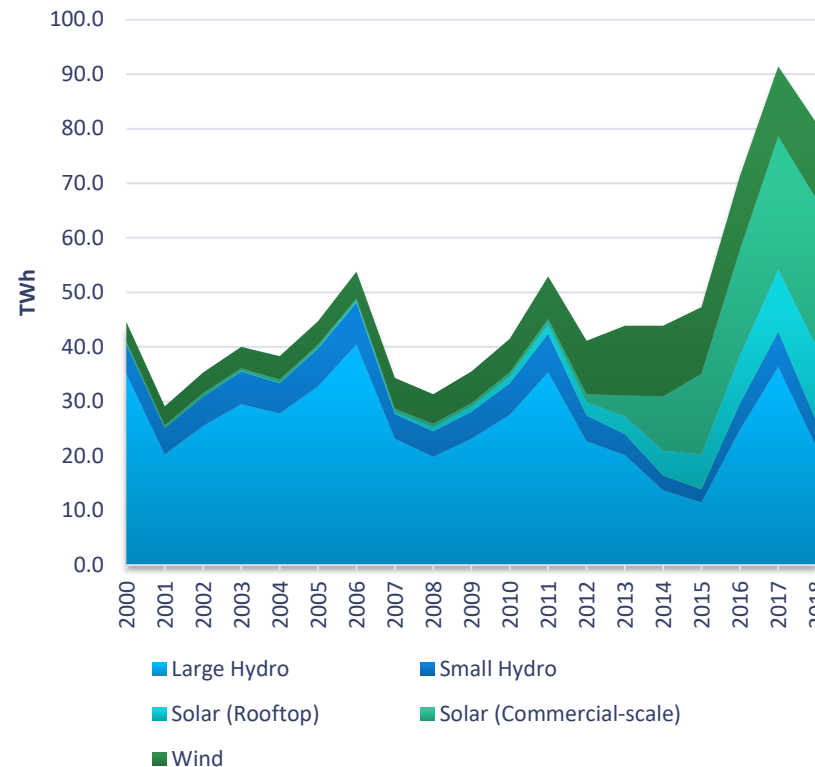
*Natural and working land emissions come from wildfires, disease, land and ag management practices, and others

Electricity Sector Emissions

GHG Emissions from Electric Power



In-State Hydro, Solar, and Wind Generation



- CA power plants emit 40% less GHGs compared to 2001
- 36% of CA 2019 retail electricity sales was served by RPS-eligible renewable resources (63% if including large hydro and nuclear)
- SB 350 2030 electric sector planning target range of 30 to 53 MMTCO₂e established in 2018

Example Questions For this Scoping Plan

- Are there other zero carbon resources beyond those identified in SB 100 that we should consider?
- How do we maintain grid reliability and build resiliency as we transition away from fossil fuels? What zero carbon firm power sources are critical for this transition and how big of a role should CCS play?
- How do we balance providing greater certainty with adequate flexibility in planning for a zero-carbon electricity system that will be both reliable and affordable, with or without technology advancements?
- What actions should the electricity sector prioritize to maximize air-quality and public health benefits for vulnerable communities?
- What actions should we take to protect against any disproportionate economic impacts to low-income households?
- What does the public/private partnership look like in this transition?
- And many more...

Panel Presentations

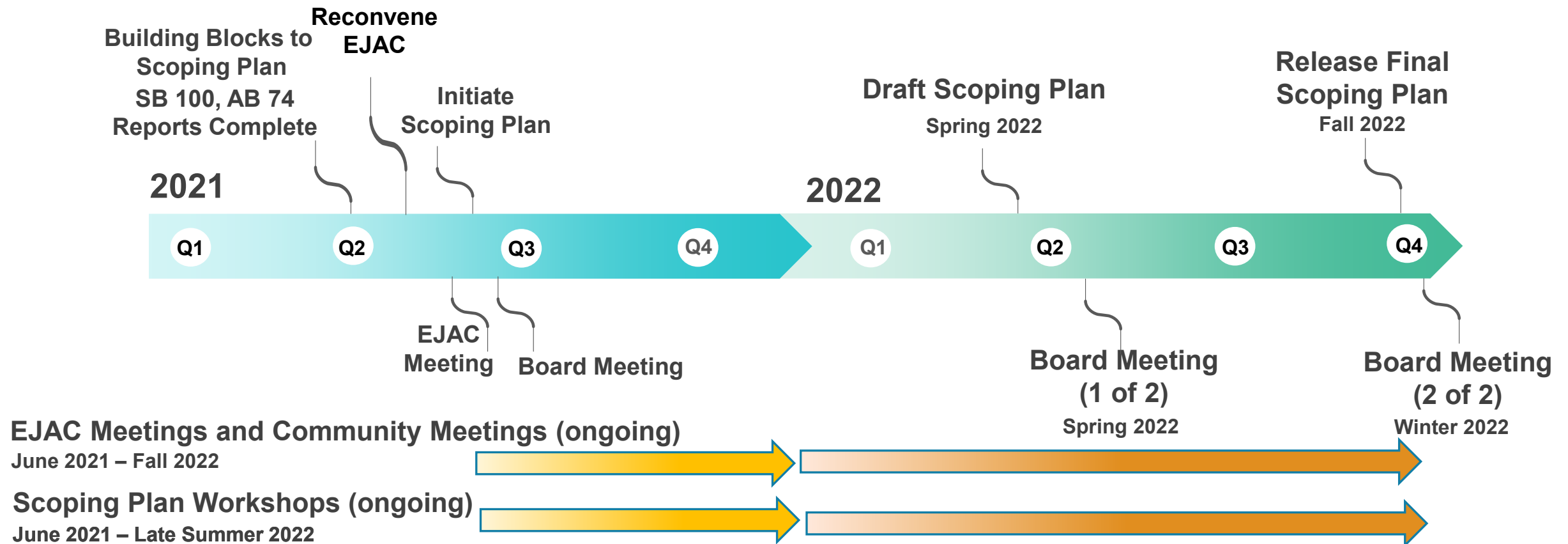
- Dr. Liz Gill, Advisor to Commissioner Gunda, California Energy Commission
- James McGarry, Senior Analyst, Integrated Resource Planning, California Public Utilities Commission
- Jeff Billinton, Director, Transmission Infrastructure Planning, California ISO
- Ankit Jain, Senior Analyst, Retail Rates Group, Energy Division, California Public Utilities Commission

Comments

- Today
 - Environmental Justice Advisory Committee Member
 - Public
- Written comments
 - https://www.arb.ca.gov/lispub/comm2/bcsubform.php?listname=sp22-kickoff-ws&comm_period=1
 - Comment closing date July 9, 2021 (midnight)

Closing Remarks

2022 Scoping Plan Update Schedule



Staying Engaged

Scoping Plan Workshops

Environmental Justice
Advisory Committee
Meetings

Supporting Material and
Information

Board Meetings

www.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan

Additional Information

AB 32 Climate Change Scoping Plan

[AB 32 Climate Change Scoping Plan | California Air Resources Board](#)

Environmental Justice Advisory Committee

[Environmental Justice Advisory Committee | California Air Resources Board](#)

Carbon Neutrality

[Carbon Neutrality | California Air Resources Board](#)

Thank You for Attending

