

California's AB 32 Scoping Plan Update



NOVEMBER 2, 2021

Transparency on Oral Comment Process

- Dedicated time for EJAC Members after the conclusion of presentation
- During general comment period:
 - CARB staff will periodically announce approximate number of hands raised
 - No ceding of time to others
 - Any EJAC Members should use the dedicated time after presentations to make any comments to ensure they are heard
 - Please do not email us directly to ask that we give you priority
- Goal to post agendas for workshops at least 48 hours in advance

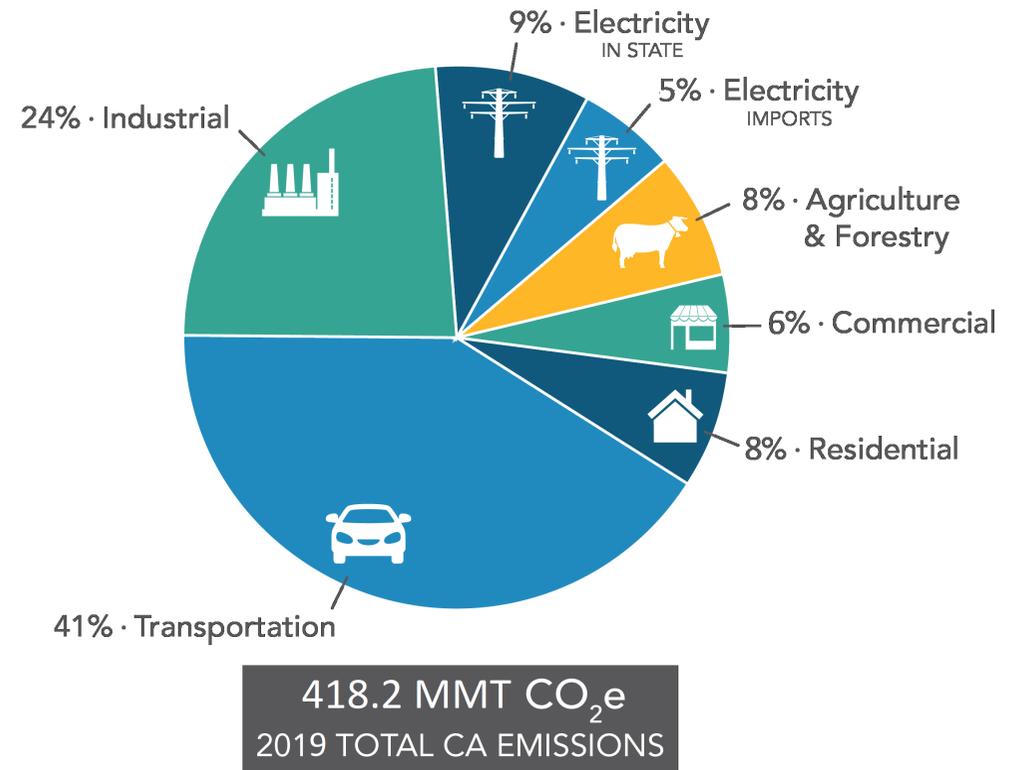
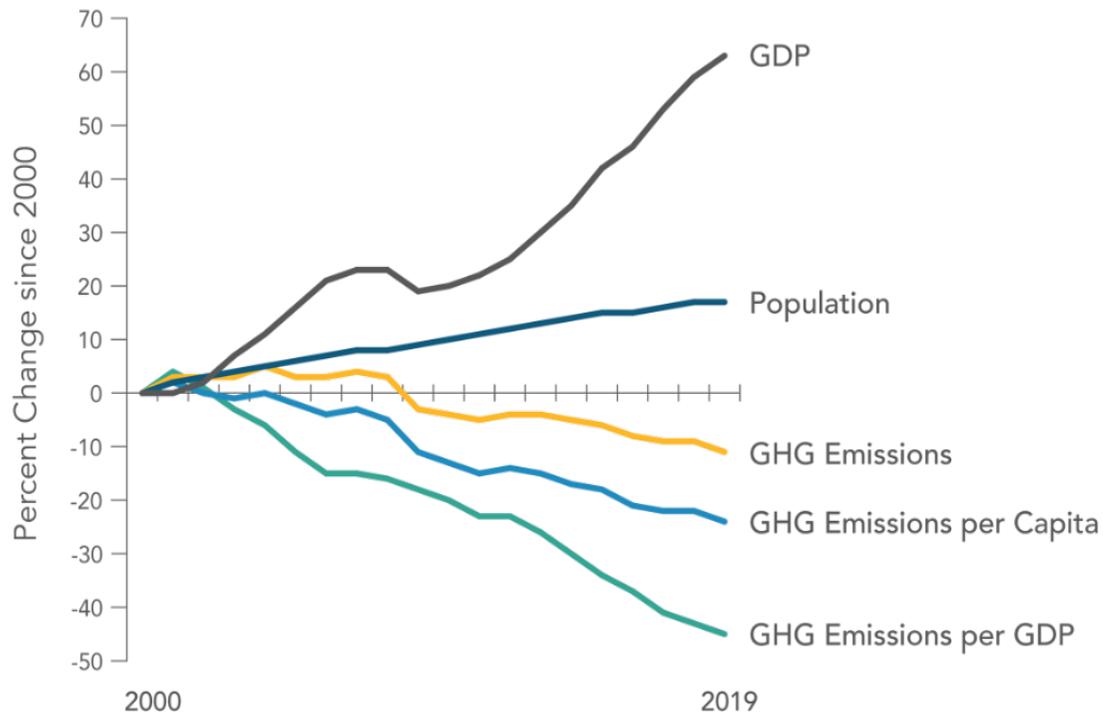
Public Participation

- Today:
 - Environmental Justice Advisory Committee Members (up to 15 minutes)
 - Principals
 - Public
- Questions and Feedback
 - Use the “Raise Hand” function in the GoToWebinar toolbar, which should be located to the right of your screen as shown
 - When staff calls your name, please “Unmute” yourself by clicking the red button, and proceed to introduce yourself



California's Trends

Achieved AB 32 Target in 2016

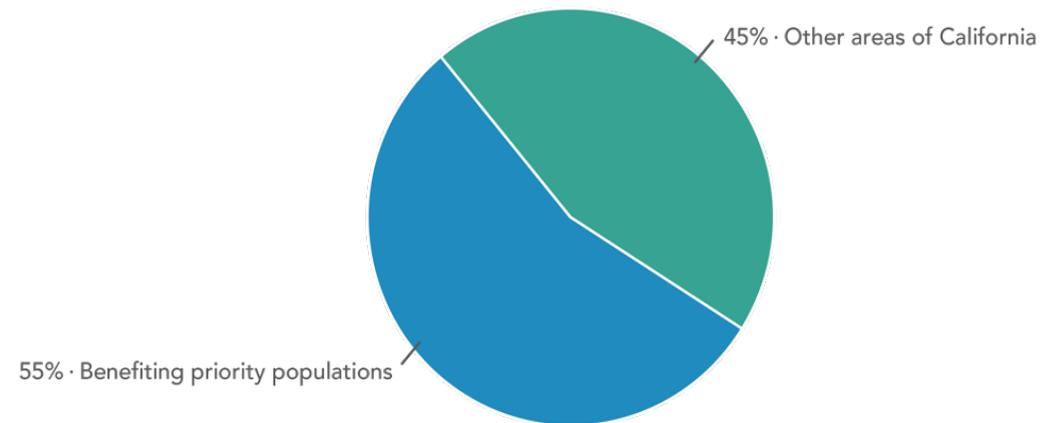


Source: 2021 Edition, California Greenhouse Gas Emission Inventory: 2000-2019

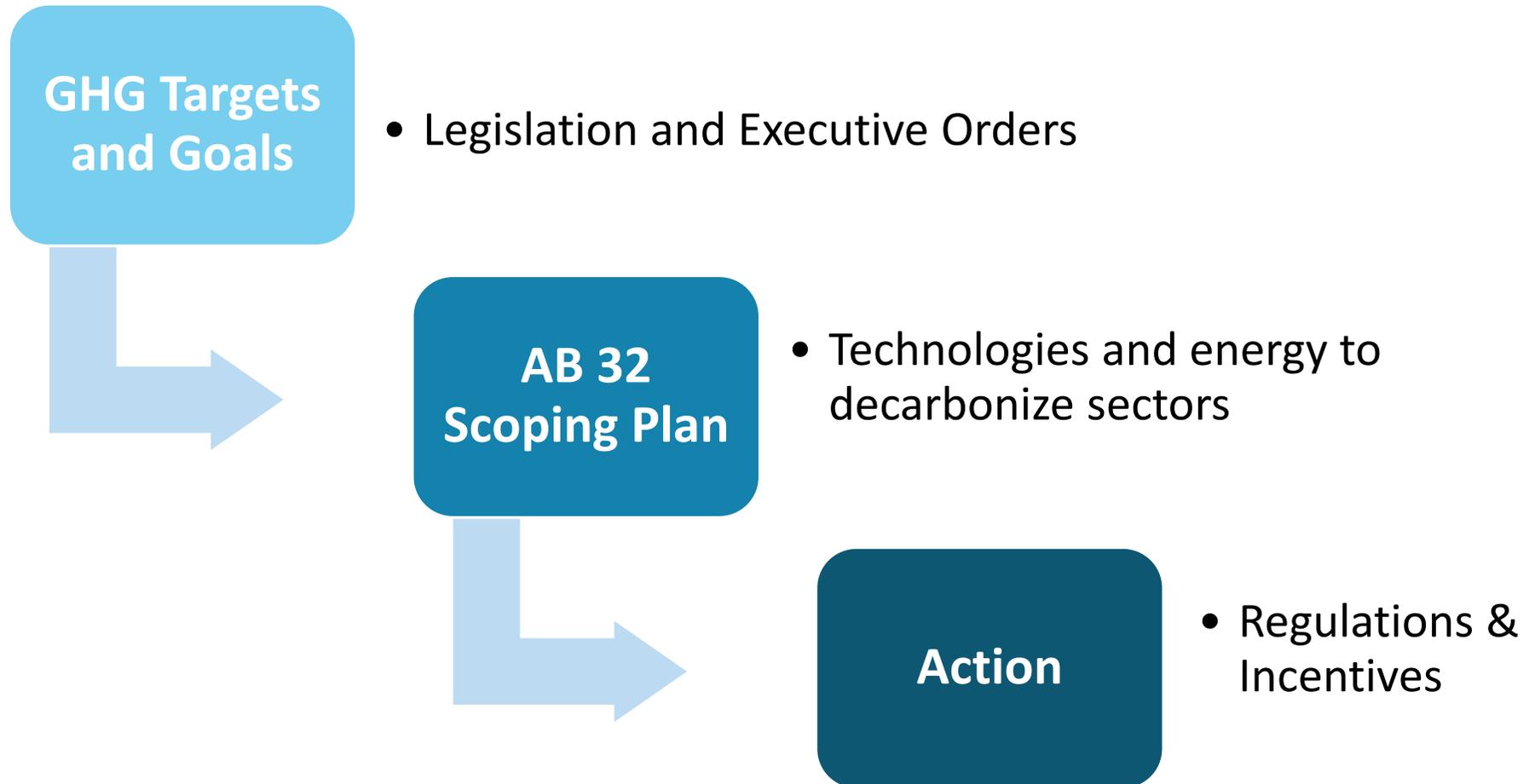
Climate Mitigation and Racial Equity

- Actions must protect public health and address opportunity gaps
- Residents in heavily burdened communities must be first to benefit from climate action
- Moving away from combustion of fossil fuels will bring critical air quality and health benefits
- Carbon pricing funds must be reinvested to benefit burdened communities

California Climate Investments Cumulative Benefits to Priority Populations



California's Climate Action Framework



AB 32 Climate Change Scoping Plan

- Scoping Plan(s) are action plans to ensure CA meets statewide GHG reduction targets (mandated in AB 32)
 - Scoping Plan(s) rely on a suite of climate policies to address emissions across all sectors
 - Required to be updated at least every 5 years
 - 2017 SP (most recent) – cost-effective and technologically feasible path to achieve the 2030 target
- Provide direct GHG emissions reductions and air quality benefits
- Minimize emissions “leakage” – increase to non-CA GHG emissions
 - Ensure high-road jobs remain
- Facilitate sub-national and national collaboration
- Support cost-effective and flexible compliance

2017 Scoping Plan Portfolio

40% below 1990 levels by 2030



Double building efficiency



60% renewable power



More clean, renewable fuels



Slash potent "super-pollutants" from dairies, landfills and refrigerants



Cleaner zero or near-zero emission cars, trucks, and buses



Cap emissions from transportation, industry, natural gas, and electricity



Walkable/bikeable communities with transit



Invest in communities to reduce emissions



Cleaner freight and goods movement



Protect and manage natural and working lands

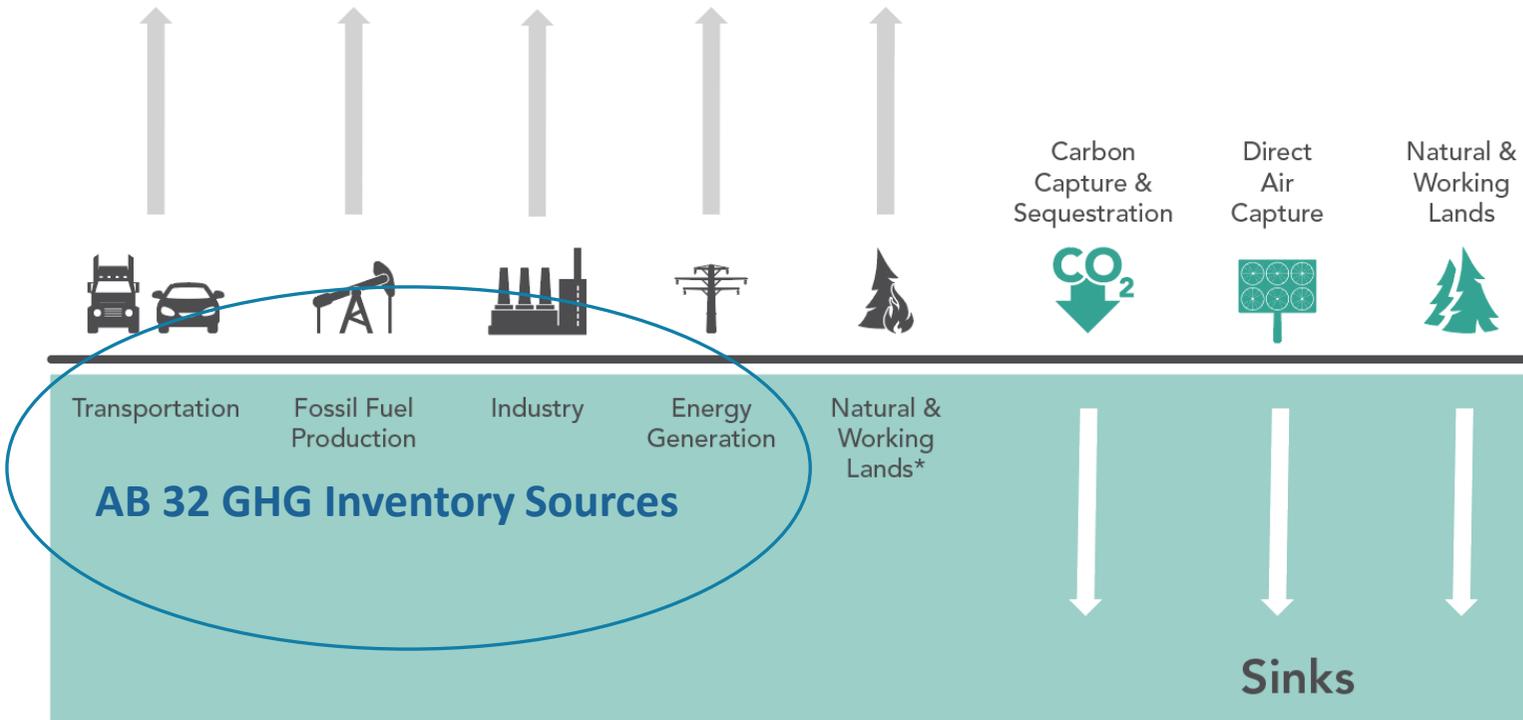
AB 32 Scoping Plan Implementation

-  Governors, Legislature, Californians want action to address climate change
-  Steady state-level policy signals are attracting private investment in clean technology
-  Delays in permitting and opposition at local level

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

Sources equal Sinks

Sources



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

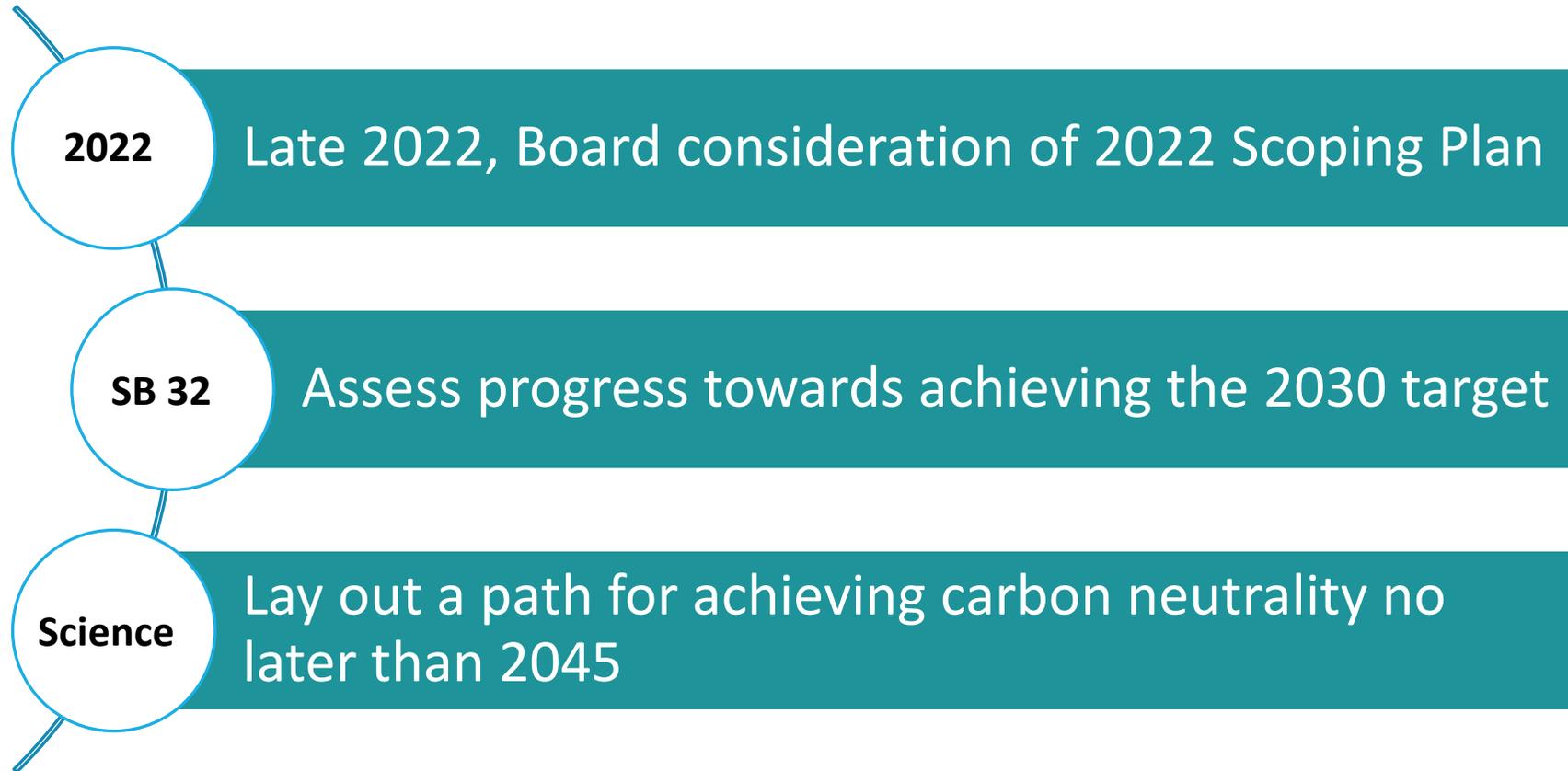
- Continue to reduce emissions from sources in AB 32 GHG Inventory
- All potential scenarios will drastically reduce or eliminate fossil fuel combustion
- Reduce emissions and increase sequestration in Natural and Working Lands
- Maximize all sinks with goal of achieving net negative

Immediate Call to Action

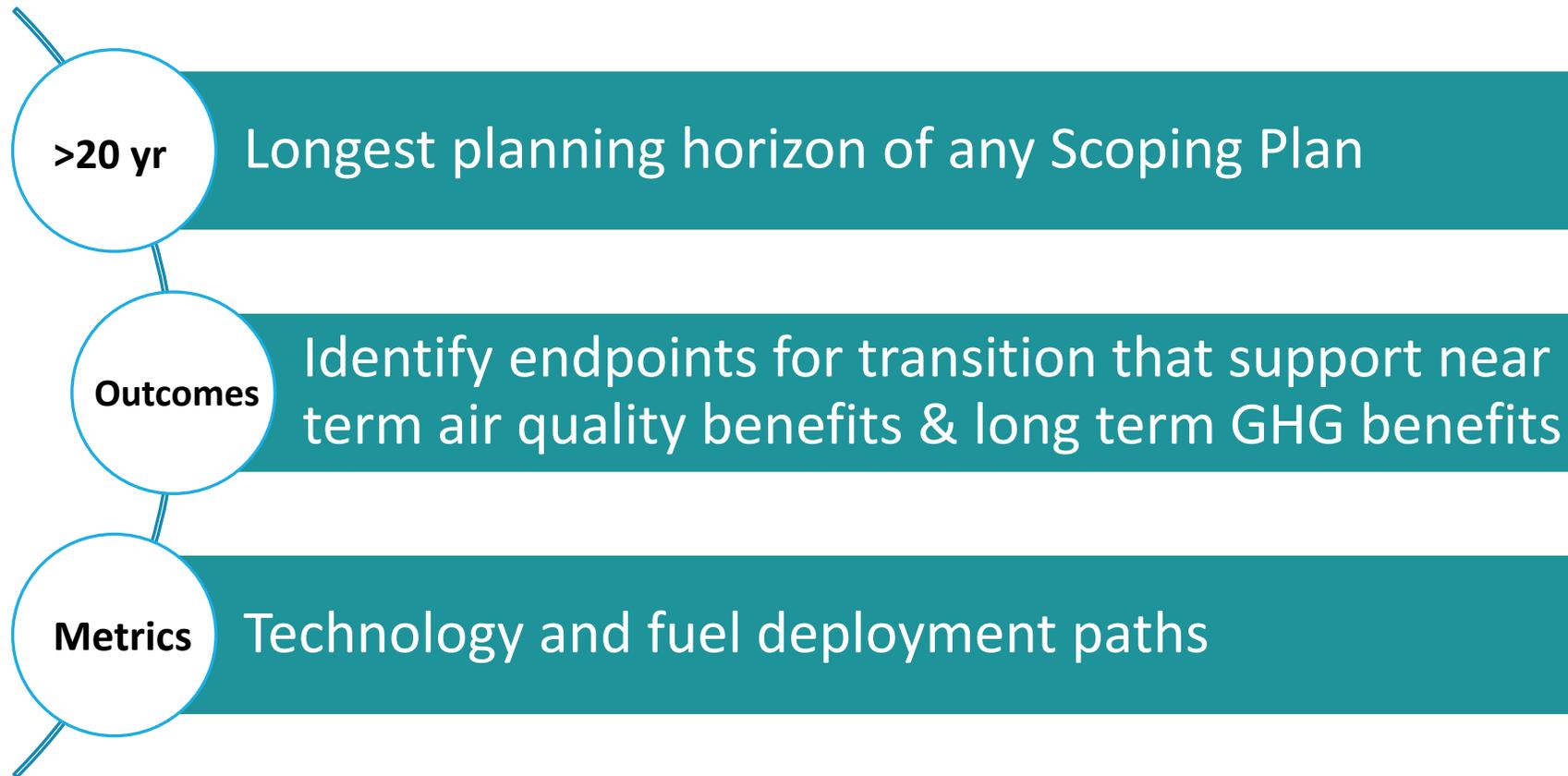
IPCC AR6 WG1 suggests that limiting global warming to 1.5°C by the end of the century is still within reach, but requires transformational change:

- Cut global GHG emissions in half by 2030
- Reach global net zero CO₂ emissions by the middle of this century
- Not mutually exclusive

2022 Scoping Plan Update: Key Objectives



2022 Scoping Plan Update: Key Objectives, cont.



2022 Scoping Plan Update: Electricity Sector

