

# BARC Executive Director's Report

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BARC Governing Board

January 21, 2022

# Agenda

## 1. Overview of Shared Work Plan development process

- BARC Joint Resolution, September 2021
- Examples of potential initiatives being explored
- Project timeline

## 2. State and Federal Funding Context

## 3. Discussion of Evaluation Criteria

## 4. Proposal for BARC Board in February: *Shared Work Plan “Workshop”*

# BARC Joint Resolution: Shared Work Plan

- Actions that advance high priority shared climate goals in 1-5 years and require greater coordination
- Focus areas: climate adaptation and GHG reduction
- Committing appropriate staff time and resources in FY22-23
- Commitment to equity
- Developing a technical assistance program for local governments, if funded



## Joint Resolution to Address Climate Change September 17, 2021

**WHEREAS**, according to the recent United Nations Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), catastrophic climate change impacts, including extreme droughts, severe heat waves and flooding, will continue to worsen for at least the next 30 years across the globe, while global sea levels will continue to rise at least for centuries<sup>1</sup>; and

**WHEREAS**, the increasingly frequent and severe impacts of climate change in the Bay Area do not conform to jurisdictional boundaries or the planning and regulatory authorities of any one agency or organization, and are creating overlapping risks to public health and safety that necessitate an integrated approach to air pollution mitigation and climate resilience; and

**WHEREAS**, scientific estimates project that California could experience as much as seven feet of sea level rise by the end of the century<sup>2</sup>, with the San Francisco Bay estimated to experience two-thirds of the flood impacts projected for the state<sup>3</sup>; and

**WHEREAS**, increasingly frequent and severe wildfires are creating air quality impacts that represent a public health crisis for Bay Area residents, while undermining progress on reducing greenhouse gas emissions. In 2020, wildfires released an estimated 112 million metric tons of CO<sub>2</sub> into the atmosphere<sup>4</sup>; and

**WHEREAS**, warming temperatures and prolonged drought increasingly stress the Bay's estuarine ecosystem and the ecological processes that it supports, while threatening the water supplies of communities around the region and throughout the state; and

**WHEREAS**, the Bay Area region's most socioeconomically vulnerable frontline communities are at great risk of exposure to climate threats and have limited access to the resources needed to reduce risks and increase the resilience necessary to recover from disasters; and

**WHEREAS**, by practicing an advanced form of coordination and strategic integration across the planning, investments, and regulatory activities of its member agencies, BARC aims to measurably and equitably improve the resilience, adaptive capacity,

<sup>1</sup> Intergovernmental Panel on Climate Change. (2021, August). *Climate Change 2021: Summary for Policymakers*. [https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC\\_AR6\\_WGI\\_SPM.pdf](https://www.ipcc.ch/report/ar6/wg1/downloads/report/IPCC_AR6_WGI_SPM.pdf)

<sup>2</sup> California Legislative Analyst's office. (2020, August). *What Threat Does Sea-Level Rise Pose to California?*

[https://lao.ca.gov/Publications/Report/4261#California\\_Will\\_Experience\\_Rising\\_Seas\\_and\\_Tides](https://lao.ca.gov/Publications/Report/4261#California_Will_Experience_Rising_Seas_and_Tides)

<sup>3</sup> Barnard, P.L., Erikson, L.H., Foxgrover, A.C. *et al.* Dynamic flood modeling essential to assess the coastal impacts of climate change. *Sci Rep* 9, 4309 (2019). <https://doi.org/10.1038/s41598-019-40742-z>

<sup>4</sup> California Air Resources Board. (2021). *Frequently Asked Questions: Wildfire Emissions*. <https://ww2.arb.ca.gov/resources/documents/frequently-asked-questions-wildfire-emissions>



# Examples of Potential Shared Work Plan Initiatives

## Climate Adaptation

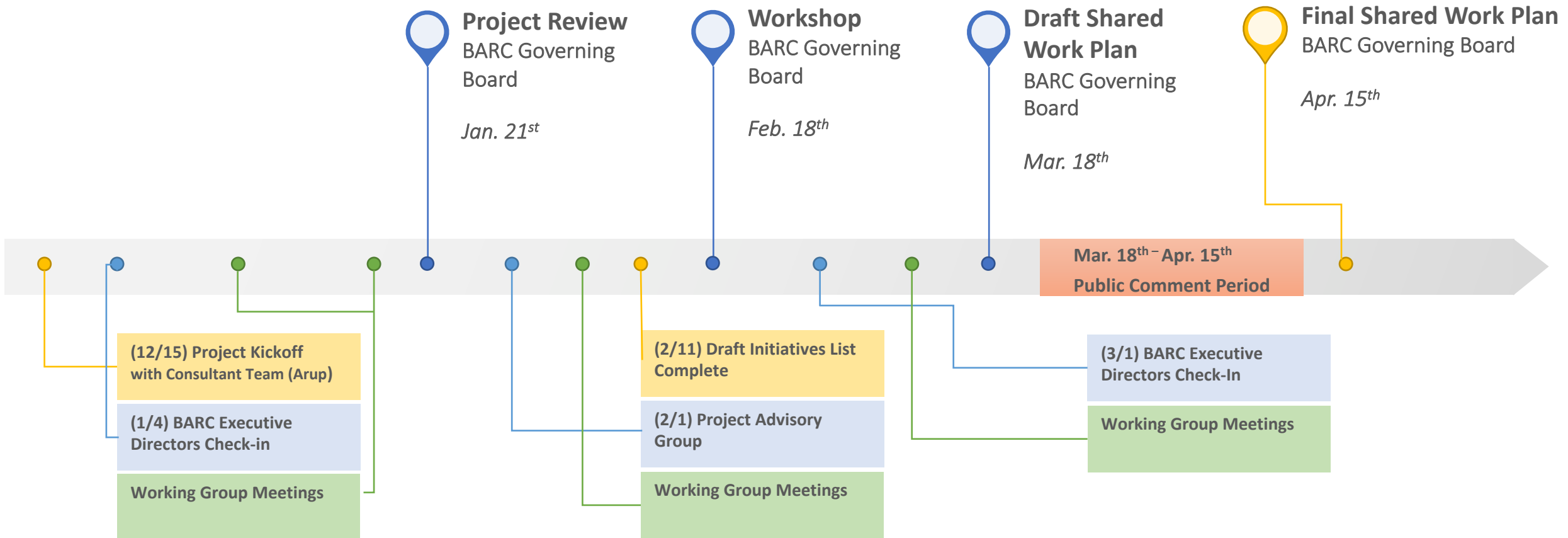
- Addressing regional regulatory gaps: lack of requirements and/or criteria for local shoreline planning, and fragmented land use decision-making
- Addressing potential conflict between climate adaptation planning and housing preservation/production
- Creating a centralized source of information for climate adaptation tools and resources being produced across the agencies

## GHG Reduction

- Scaling up the adoption medium and heavy-duty electric vehicles, including public transit fleets



# Shared Work Plan Timeline



# 2021 Bipartisan Federal Infrastructure Law

Sector	Funding	Description	Example Grants
Resiliency	\$50B	Protect against droughts, heat, and floods	<ul style="list-style-type: none"><li>- \$8.7B in Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT) grant program</li><li>- \$1B in FEMA Building Resilient Infrastructure and Communities (BRIC) Program, a pre-disaster mitigation program</li></ul>
Energy	\$65B	Clean energy and grid-related investments	<ul style="list-style-type: none"><li>- \$27B for grid infrastructure, resiliency, and reliability</li><li>- \$9.5B for clean hydrogen projects</li><li>- \$8.5B for Energy Act funding including demonstration projects for advanced reactors, energy storage, and carbon capture</li></ul>
Public Transit	\$39B	Modernize and electrify public transit	<ul style="list-style-type: none"><li>- \$5.6B in Low- and No Emission Bus grants</li><li>- \$500M in Healthy Streets to create cool and porous pavements and expand tree cover</li><li>- \$250M in congestion relief programs</li></ul>
ZEVs	\$7.5B	Electrify light-, medium-, and heavy duty vehicles and create charging infrastructure	<ul style="list-style-type: none"><li>- \$7.5B to build out the national network of EV chargers</li><li>- \$5B in competitive grants to replace heavy-duty vehicles with ZEVs</li><li>- \$1B to award EV charging facility grants for projects in underserved or disadvantaged communities</li></ul>
Legacy Pollution	\$21B	Clean up superfund and brownfield sites and cap orphaned oil and gas wells	<ul style="list-style-type: none"><li>- \$4.7B for orphaned well site plugging, remediation, and restoration, the largest source of methane emissions in the US</li></ul>

# Governor's Proposed California 2022-23 Budget

Sector	Funding	Example Grants
Resiliency	\$1.5B	Protect communities from the imminent climate threats of wildfire and drought, while implementing budget priorities on extreme heat, nature-based solutions, sea-level rise, and community resilience
Energy	\$2B	Clean Energy Investment Plan that will spur additional innovation and deployment of clean energy technologies in the energy system.
Public Transit	\$9.1B	Investment in transportation programs and projects that align with climate goals, advance public health and equity, and improve access to opportunity.
ZEVs	\$3.9B	Market-changing investment in ZEV acceleration including low-, medium-, heavy- vehicles and associated infrastructure.
Nature-Based Solutions and Coastal Resilience	\$3.7B	Investments that support multi-benefit and nature-based solutions, address impacts of extreme heat, build ocean and coastal resilience (\$612M), advance environmental justice, and deliver community resilience and capacity where resources are most needed.
Legacy Pollution	\$200M	Plug orphan or idle wells, decommission attendant facilities, and complete associated environmental remediation.

*\*For additional information, the Governor's budget summary can be found [here](#)*



# Draft Initiatives Evaluation Criteria

## 1. Effectiveness

- How far does the initiative get us towards our agency goal(s)? How does it support alignment of similar/related activities across agencies to deliver a stronger outcome?

## 2. Consensus/Enthusiasm

- How much interest do BARC member agencies demonstrate for this initiative?

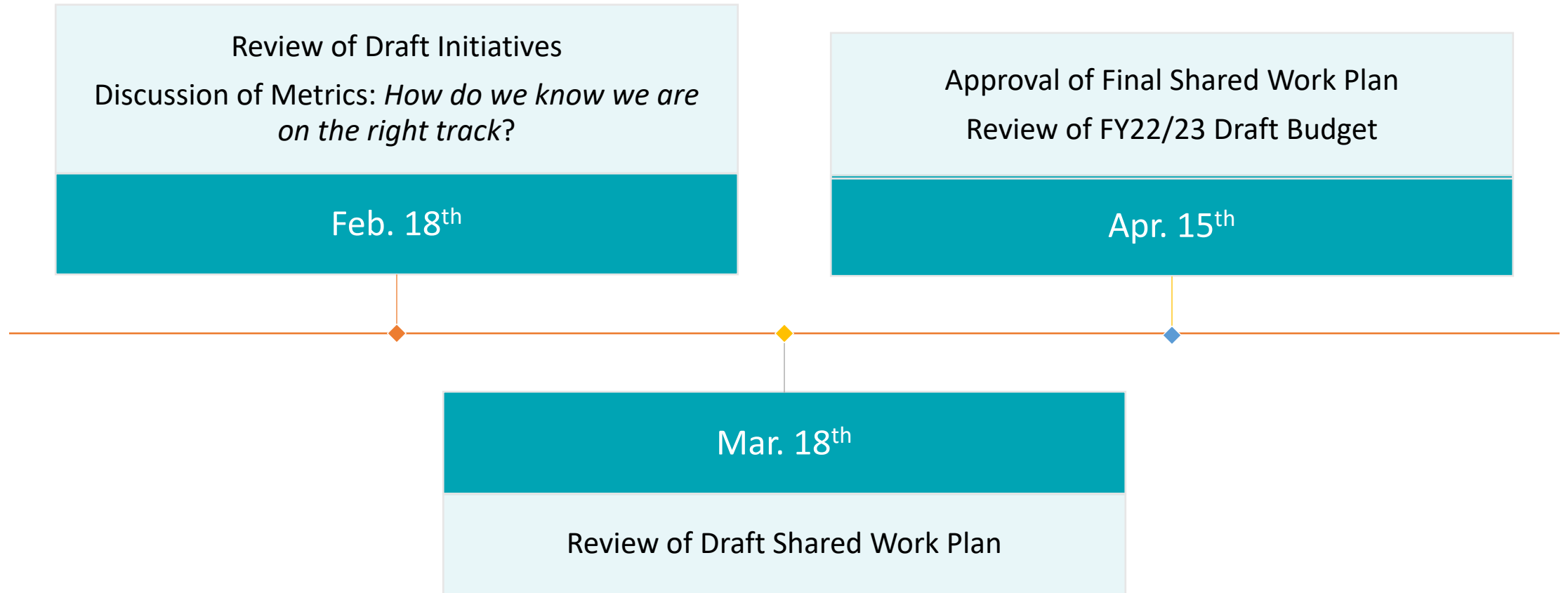
## 3. Feasibility/Capacity

- How realistic is it to implement in the next 1-5 years? Do the lead and partner agencies have the resources to deliver? If not, can BARC help identify and secure needed resources?

## 4. Positive Equity Impact

- How does the initiative measurably improve quality of life outcomes for black, indigenous, people of color (BIPOC) and frontline communities, and advance fair and inclusive processes?

# Next Steps – Governing Board Meetings



# Thank you!

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