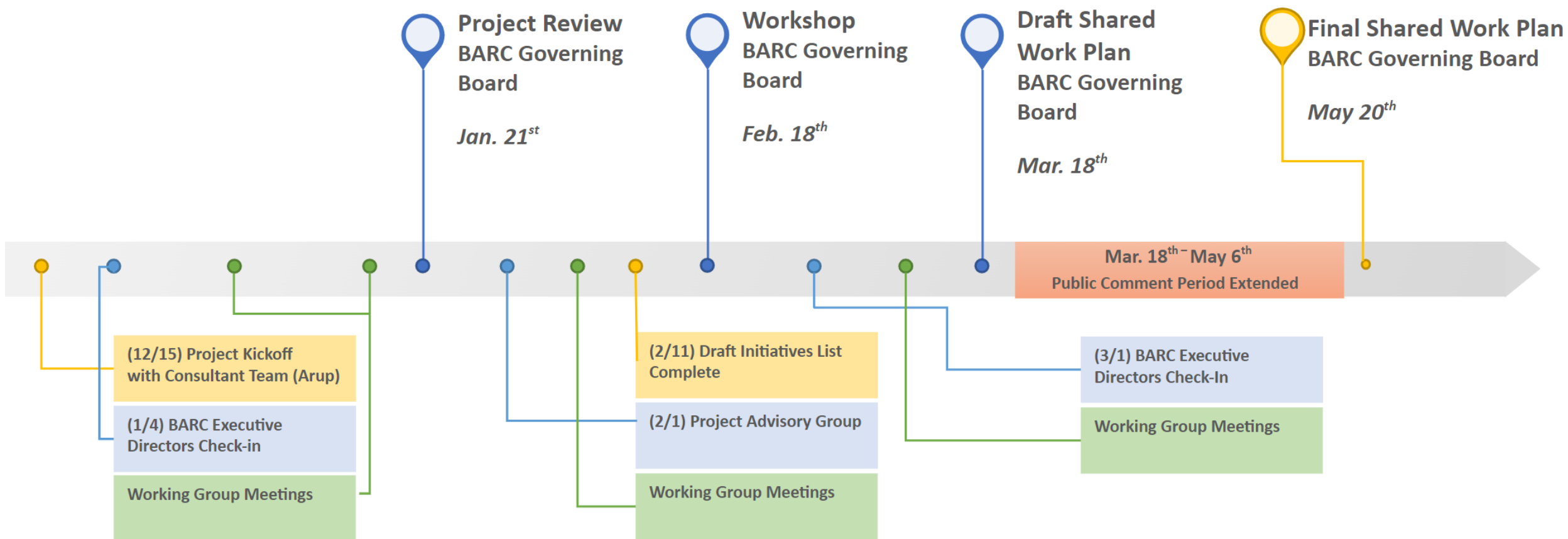




Bay Area Regional Collaborative **Final** **Draft Shared Work Plan**

Allison Brooks
BARC Executive Director

Timeline for Development of Draft Shared Work Plan



Public Comment Period

- Helpful input and feedback from stakeholders
- Identification of potential partners and opportunities for coordinated action
- Further refinement of Initiatives with agency staff, alignment with existing efforts, value-add created by working together

Shared Work Plan Goals

Identify

Identify actions that advance high priority shared climate goals in 1-5 years and accelerate cross-agency alignment

Commit

Commit to devoting appropriate staff time and resources in Fiscal Year 22-23

Prioritize

Prioritize social equity, justice, and inclusion across projects

Develop

Develop a coordinated technical assistance program to support local action and innovation

Evaluate

Evaluate and monitor Initiative progress through appropriate metrics



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 centuries¹; 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 century², with the San Francisco Bay estimated to experience two-thirds of the flood impacts projected for the state³; 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 CO₂ into the atmosphere⁴; 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,

¹ 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

² 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

³ 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>

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



Initiatives Evaluation Criteria

Effectiveness & Impact



- Is it ambitious enough to meet regional goals and the climate emergency?
- Does the initiative support alignment of related activities across multiple agencies to deliver a stronger outcome?
- Is there value-add in this being tackled at the regional level?

Enthusiasm & Consensus



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

Feasibility & Capacity



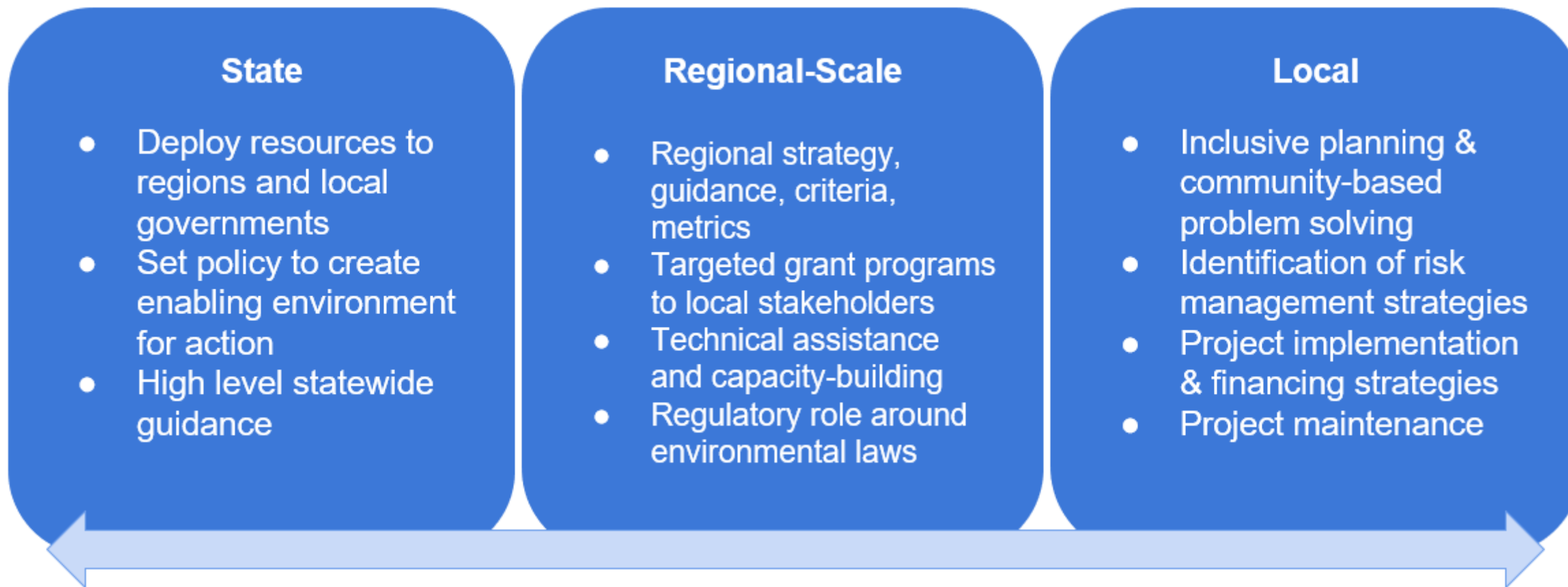
- How realistic is it to implement in the next 1-5 years?
- Do the lead and partner agencies have the resources to deliver?
If not, can BARC help identify and secure needed resources?

Positive Equity Outcome



- 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?

Key Question: *What is the optimal role regional agencies can play?*

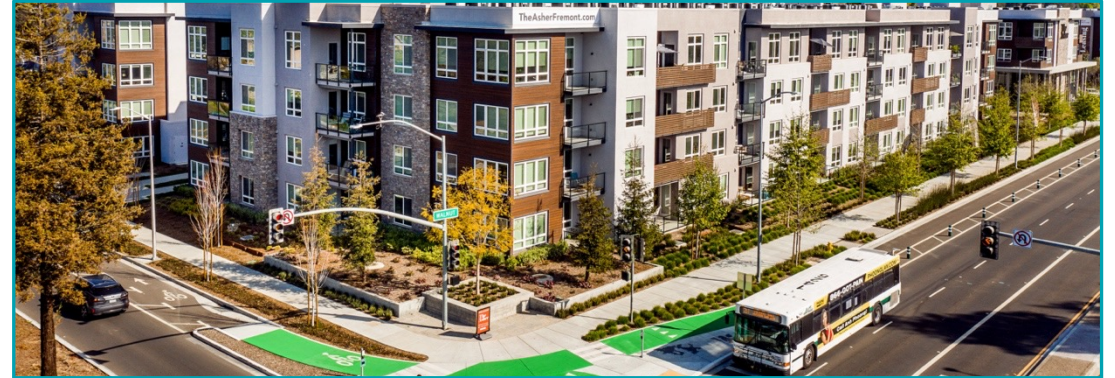


Shared Work Plan Initiatives



Climate Adaption

1. Regional Adaptation Plan
2. Regional Technical Assistance



GHG Reduction

3. Zero Emission Transit Bus Infrastructure

 Low-Carbon, High-Equity Neighborhoods

Climate Adaptation Initiatives

1 **Regional Adaptation Plan**

**Develop a Regional Multi-Hazard
Adaptation Plan**

2 **Regional Technical Assistance**

**Establish a regional technical assistance
program to support local governments in
advancing shared approach to adaptation
planning and project implementation**

Initiative 1: Regional Multi-Hazard Adaptation Plan

Challenge Statement: The Bay Area faces increasing risks from climate hazards including sea-level rise, coastal and inland flooding, extreme heat, drought, and wildfires. The current lack of standardized and coordinated adaptation approaches across the region creates individualized local actions and disjointed approaches to managing risk. This environment also creates competition for funding and disparate resilience preparedness throughout the Bay, often leaving those most at risk at a further disadvantage.

Initiative 1: Regional Multi-Hazard Adaptation Plan

Description: *Work with partners and stakeholders to develop a Regional Multi-Hazard Adaptation Plan that supports the deployment of effective risk management strategies and equitable, multi-benefit climate adaptation projects at the appropriate geographic scale across the San Francisco Bay Area.*

Goals:

- Establish an engagement process by which stakeholders will work together to develop a Regional Multi-Hazard Adaptation Plan that supports strong coordination among regional agencies, counties, cities, special districts and community leaders
- Outline and understand the distinct role(s) of regional agencies and those of other levels of government in managing different climate hazards such as drought, heat, wildfire, sea level rise and flooding, as well as any potential interaction with seismic vulnerability.

Initiative 2: **Regional Technical Assistance**

Challenge Statement: Local governments have different levels of capacity and resources available to conduct adaptation planning and develop risk management strategies — especially those at the frontlines of risk and most in need of early interventions.

Initiative 2: Regional Climate Adaptation Technical Assistance

Description: *Work with partners and stakeholders to develop a regional climate adaptation technical assistance program to support local adaptation planning and project implementation.*

Goals:

- Clarify who is in charge of different aspects of climate adaptation at different scales.
- Develop a clearinghouse or “storefront” of adaptation data, standards, and guidance
- Develop easy-to-access technical assistance for local governments and community-based organizations.

GHG Reduction: Potential Initiatives

3

Zero Emission
Transit Bus
Infrastructure

Accelerate Zero-Emission Transit Bus (ZEB) deployment by supporting coordinated expansion of infrastructure and modernized facilities across the region. Position the region to capture significant federal and state funds to do so.



Low-Carbon,
High-Equity
Neighborhoods

Align different but interrelated agency programs to develop a more holistic approach to fostering affordable, healthy, zero-emission neighborhoods.

Initiative 3: Zero Emission Transit Bus Infrastructure

Challenge Statement: The California Air Resources Board's Innovative Clean Transit Rule requires 25% of large operators' bus purchases be zero-emission by 2023, and 100% by 2029.

Coordination among stakeholders (including equipment manufacturers and utilities) is essential to creating a robust charging infrastructure to support the expansion of electric bus fleets and potentially other municipal vehicles.

Initiative 3: Zero Emission Transit Bus Infrastructure

Description: *Accelerate Zero-Emission Transit Bus (ZEB) deployment by supporting coordinated expansion of reliable charging infrastructure across the Bay Area region.*

Goals:

- Enhance MTC-led Bay Area Transit Zero-Emission Transition Strategy
- ZEB charging infrastructure capacity increased to support new power demands
- Simplified grantmaking across agencies to support shared outcomes
- Help align city and transit operators' efforts to scale up ZEB
- Establish relationships between regional agencies, operators, manufacturers, and energy utilities to meet the new power demand.



Exploratory Area: **Low-Carbon, High-Equity Neighborhoods**

Align different but interrelated agency programs to develop a more holistic approach to fostering affordable, healthy, zero-emission neighborhoods. These programs include those supporting affordable housing development, building decarbonization, electric vehicle charging, active transportation, single occupancy vehicle trip reduction, commuter benefits and climate resilience.

Recommendation & Next Steps

Recommend approval of the BARC Shared Work Plan with the condition that staff will bring forward further details on each Initiative to Governing Board by September 2022

Next Steps:

- Identification of work groups for each Initiative (year one)
- Detailed scope of work for each Initiative
- Outline of engagement strategy for each Initiative, developed in partnership with stakeholders

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