



Subcommittee on Long-Term Regional Planning  
Processes and Business Modeling

# Review Draft Climate Adaptation Master Plan Implementation Strategy

Item 6c

February 26, 2025

Item 6c

# CAMP4W Draft Implementation Strategy Discussion

## Subject

Discuss the development of a Climate Adaptation Master Plan for Water Implementation Strategy for Board Approval in April 2025.

## Purpose

Seek input from the CAMP4W Task Force on the Climate Adaptation Master Plan for Water Implementation Strategy to culminate this current planning phase and lay out implementation timelines for the next five years.

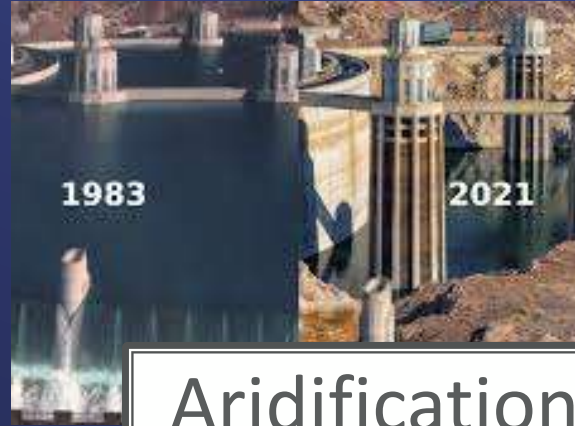
## Next Steps

The Draft CAMP4W Implementation Strategy will be brought to the Board for approval in April.

# Experienced Climate Impacts Led to Climate Adaptation Planning Process



Drought



Aridification



Flooding



Extreme Heat



Sea Level Rise



Fire

# Climate Adaptation Master Plan for Water

Regional Needs Assessment

Climate Risk and Vulnerability Assessments

Infrastructure Studies and Assessments

Public & Partners Engagement

## Implementation Strategy

Time-Bound Targets

Policy Framework

Implementation Timelines

## Climate Decision-Making Framework

Evaluative Criteria

Project/Program Assessments

CIP Integration

## Adaptive Management

Signposts

Annual Reports

Long-Term Reviews

## Business Model Alignment

Water Resources Strategies

Financial Strategies

Affordability Strategies

Financial Forecast and Budget

# Assess Climate Risks and Vulnerabilities

- IRP Regional Needs Assessment
- System Reliability Studies and planning processes (supply, capacity, infrastructure, flexibility, emergency response)
- SWP-DA Studies and Call to Action
- February 2023 Board Retreat
- Board Climate Training Workshop
- Climate Risk and Vulnerability Assessment

*Working Memos 1, 2, 3*



# Set Time-Bound Targets and Policy Framework

- **Resource-Based Targets**
  - Core Supply
  - Storage
  - Flex Supply
- **Policy-Based Targets**
  - Equitable Supply Reliability
  - Local Agency Supply
  - Demand Management
  - Regional Water Use Efficiency
  - Greenhouse Gas Reduction
  - Surplus Water Management
- **Climate Adaptation Policy Framework**



*Working Memos 6, 10*

# Climate Adaptation Policy Framework

Themes	Policy Framework
Resilience	<ul style="list-style-type: none"><li>➤ Metropolitan will integrate climate risk and vulnerability assessments for climate-related hazards including drought, extreme heat and precipitation, sea level rise, flooding, and wildfire using the best available climate science and climate change information into planning, implementation and operations</li></ul>

## Example Initiatives:



Establish infrastructure performance criteria and implement infrastructure projects to achieve climate resilience



Assess power system vulnerabilities



Review workforce safety measures for climate risks



Update fire management plans for critical facilities

# Identify Adaptation Strategies

- Review existing planning processes and projects for consistency with CAMP4W
- Identify new projects, programs, policies to address:
  - Specific climate and/or infrastructure vulnerability
  - CAMP4W Time-Bound Target
  - CAMP4W Policy directive



*Working Memos 6, 7, 10*

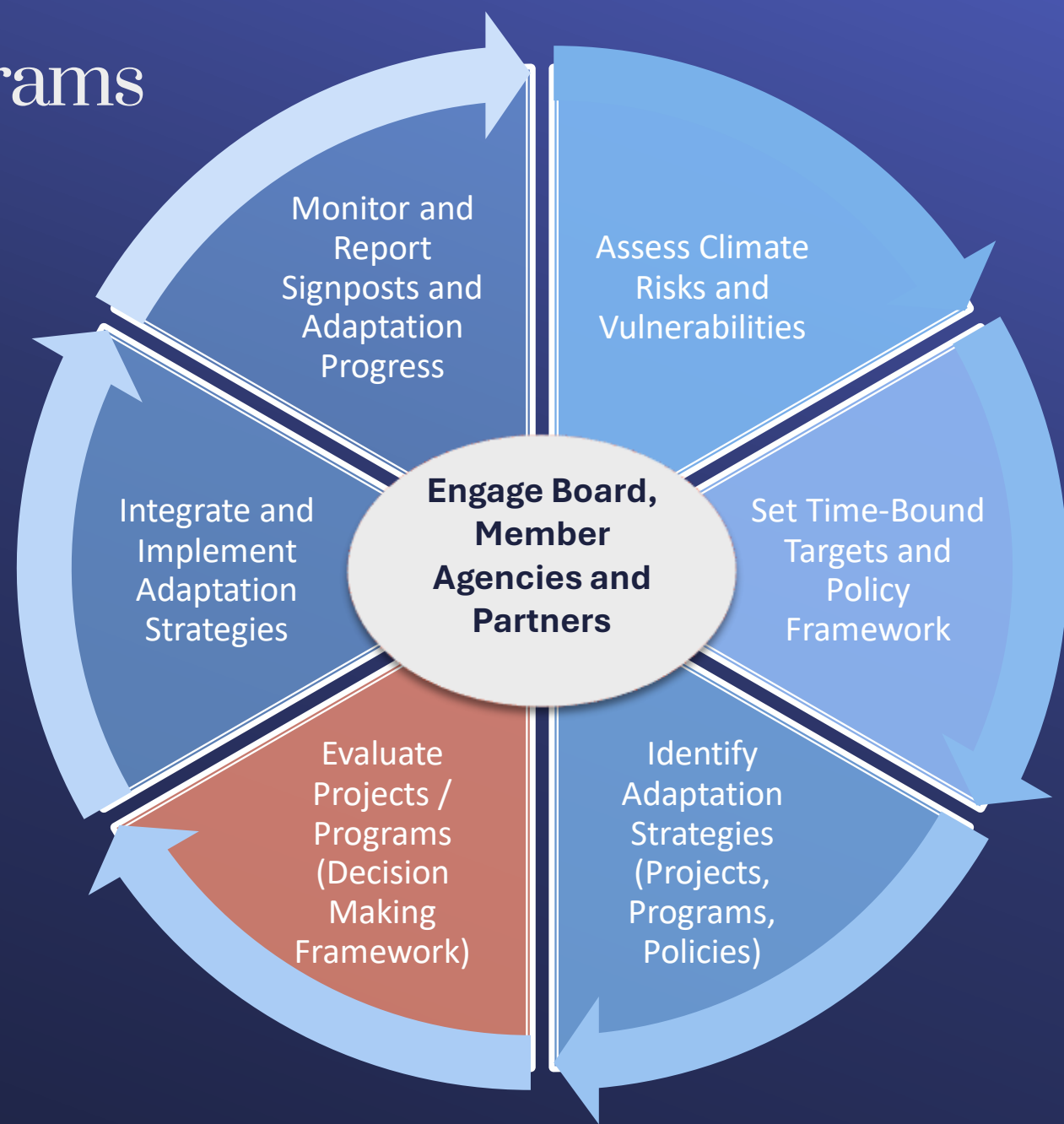


# Identify Adaptation Strategies

Projects	Studies	Programs, Policies, Initiatives
AVEK Phase II	Forest Watershed Restoration Pilot	Conservation & Efficiency
Delta Conveyance Project	Surface Water Storage Study	Local Resources Program
Sites Reservoir	System Capacity Study	Exchange Program
Webb Tract Restoration	Renewable Energy Opp. Study	Fire Management Planning
Pure Water Southern California	E-W Conveyance Study	Landscape Guidelines
Battery Energy Storage System	Pumped Storage Study	Affordability Policy
SWP-DA Stage II	Strategic Power Supply Plan	Infrastructure Performance Criteria
	Desalination Studies	Vulnerability Assessments
		Community Engagement Standards

# Evaluate Projects & Programs

- Developed Evaluative Criteria and method for evaluating projects and programs
- Determined thresholds for CAMP4W projects
- Tested the Comprehensive Assessment Approach using quantitative and qualitative information



*Working Memos 5, 7, 9*

# CAMP4W Comprehensive Assessment

Proposed Rubric Includes Quantitative and Qualitative Measures

Evaluative Criteria
Reliability
Resilience
Financial Sustainability & Affordability
Adaptability & Flexibility
Equity
Environmental Co-benefits

Each **project** or **program** would be considered through a robust narrative description of how project attributes achieve each objective

Descriptions could include:

- ✓ Quantitative metrics
- ✓ Qualitative information
- ✓ Gaps in information available

Key	Exceptional	Significant	Moderate	Limited	Very Limited	Undetermined or Not Applicable
<b>Ranking Guidelines at the Attribute Level</b> Defining to which level a project, program or portfolio will deliver CAMP4W objectives for each attribute category.						
Exceptional	The project/program/portfolio directly and completely addresses the benefits being assessed by the question/statement.					
Significant	The project/program/portfolio directly addresses most elements of the benefits being assessed by the question/statement.					
Moderate	The project/program/portfolio only addresses some elements of the benefits being assessed by the question/statement or addresses them indirectly.					
Limited	The project/program/portfolio only addresses few or minor elements of the benefits being assessed by the question/statement or provides minor indirect benefits.					
Very Limited	The project/program/portfolio does not provide any or very limited benefits to those being assessed by the question/statement.					
Undetermined or Not Applicable	The ranking for this project/program/portfolio is not determined at this time or the attribute is not applicable.					

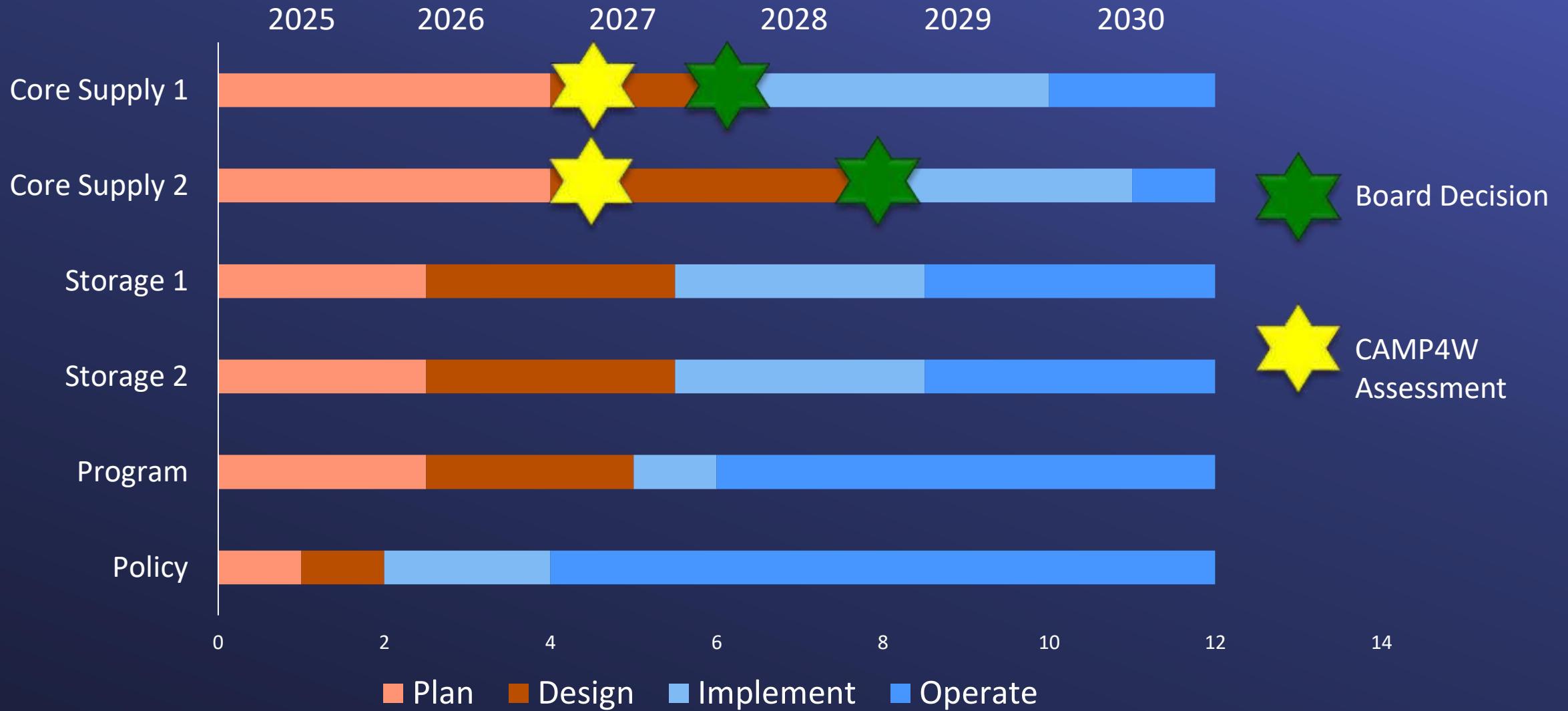
# Integrate and Implement

- Board review and approval will result in implementation of a project, program or policy
- Implementation may include integration into existing or future CIP and budget cycle
- Each approved project, program, or policy will include key milestones for implementation



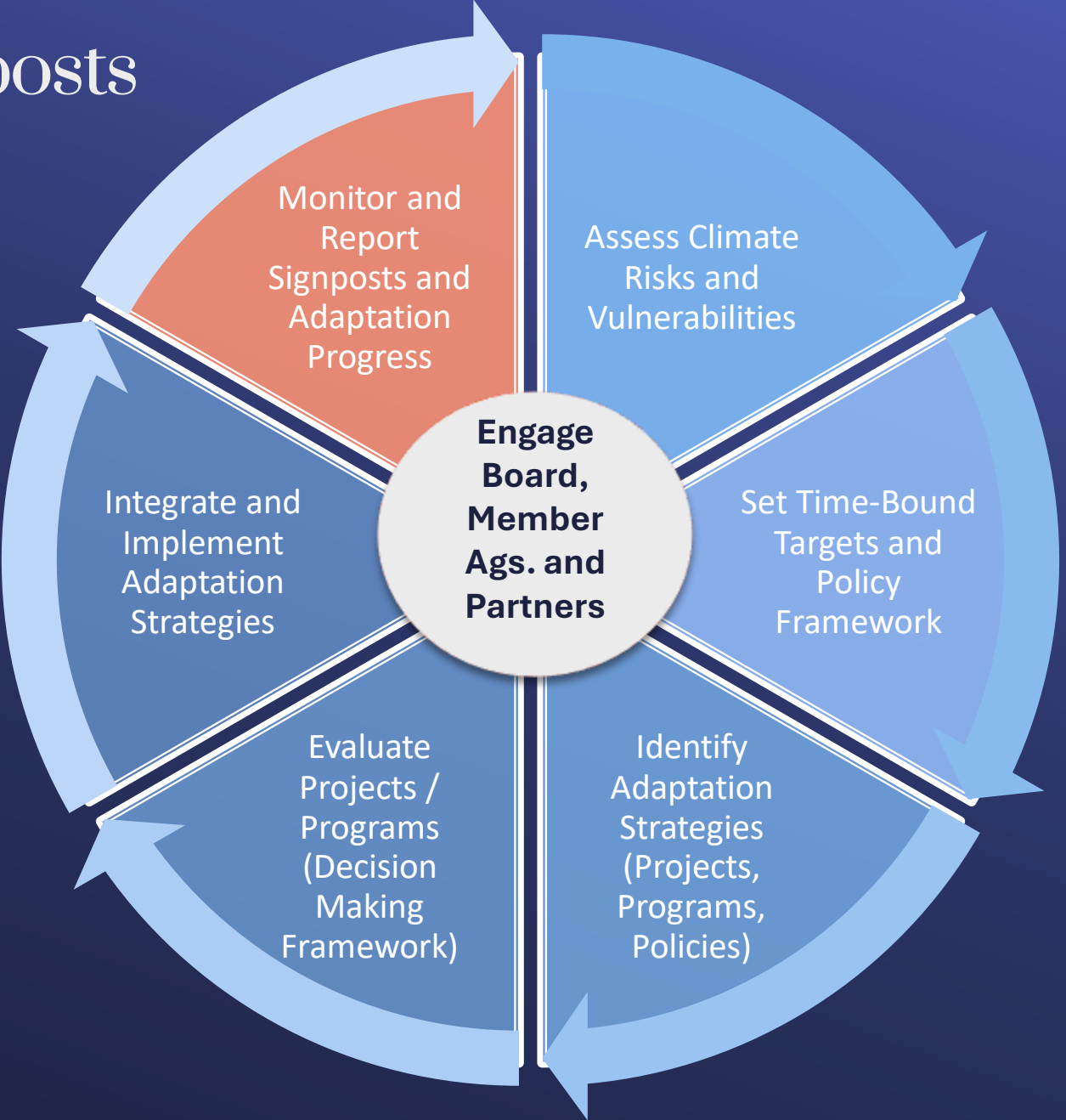
## *Implementation Strategy*

# Implementation Timelines for Projects, Programs, Policies



# Monitor and Report Signposts and Adaptation Strategies

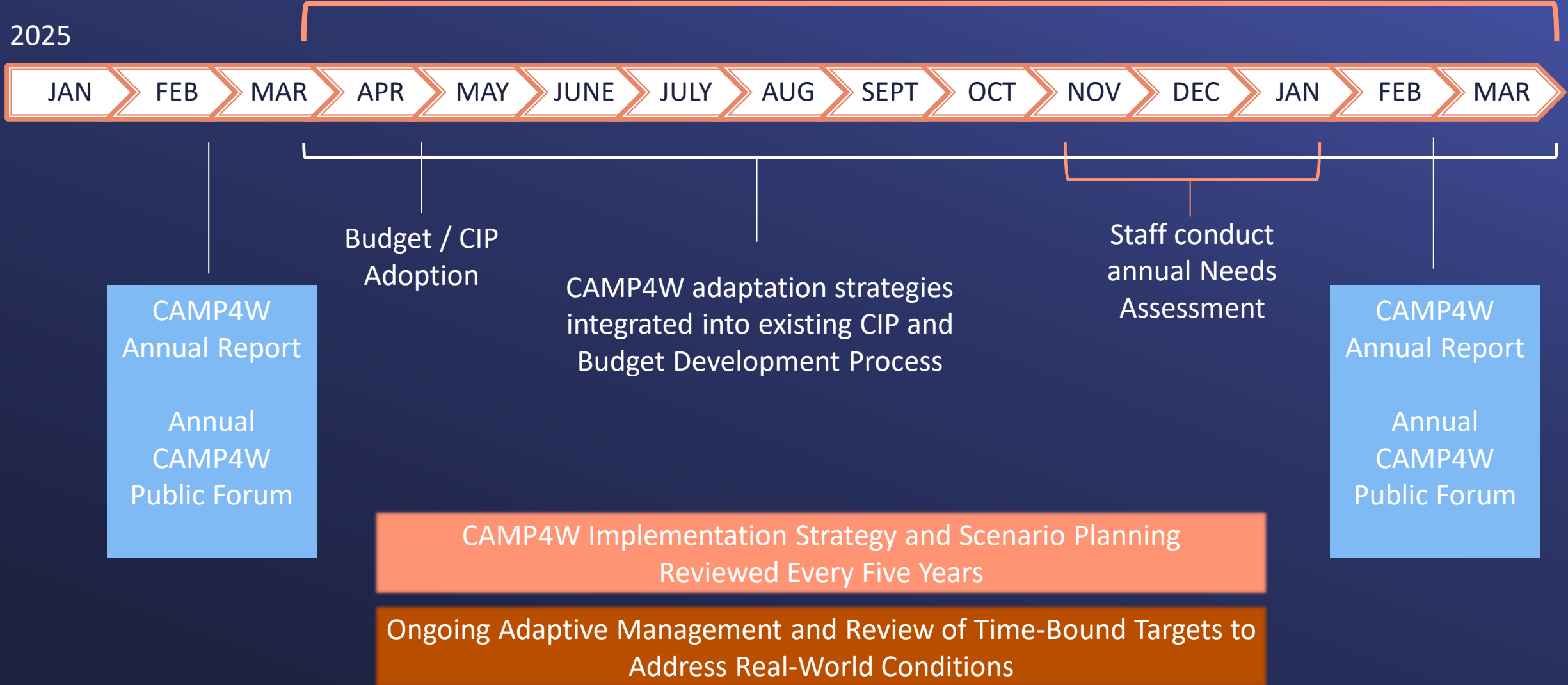
- ✓ Identified Water Supply, Infrastructure, and Financial Signposts
- ✓ Drafted 2024 Annual Report



Working Memo 8, CAMP4W Annual Report

# Schedule of CAMP4W Reports and Updates

## BI-ANNUAL BUDGET AND CIP DEVELOPMENT



# CAMP4W Implementation Strategy Outline

1. Background and Purpose
2. Assessing Metropolitan's Vulnerabilities and Needs
3. Time-Bound Targets
4. Policy Framework
5. Climate Decision Making Framework
6. Adaptation Strategies
7. Implementation Timelines



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