



Subcommittee on Long-Term Regional Planning Processes and Business Modeling

2/26/2025 Subcommittee Meeting

3c

Subject

Review Draft Climate Adaptation Master Plan for Water Implementation Strategy

Executive Summary

In February 2023, the Board directed staff to integrate water resources, climate considerations, and financial planning into a Climate Adaptation Master Plan for Water (CAMP4W) and in October 2023, chartered a Joint Task Force of Board Members and Member Agency Managers to facilitate the development of CAMP4W in a timely and transparent process. Rooted in adaptability, Metropolitan's CAMP4W, through its implementation, will facilitate Metropolitan's continued reliability and resilience in the face of change and uncertainty while responding to real-world conditions, course correcting as needed, and achieving its core mission to provide safe, reliable water to its member agencies.

CAMP4W comprises multiple components which together form a living master planning program. This item presents the first several sections of the Draft CAMP4W Implementation Strategy, which both culminates the initial planning phase and sets forth a critical path towards implementing and institutionalizing climate adaptation at Metropolitan over the next five years. The components of today's Draft CAMP4W Implementation Strategy include the Background and Purpose, Assessed Vulnerabilities and Needs, Time-Bound Targets, Policy Framework, and the Climate Decision-Making Framework. Staff is in the process of developing, and will include in the next Draft, descriptions of anticipated projects, programs, and initiatives and a defined set of new and ongoing tasks with an achievable timeline, the progress of which will be reported annually through the CAMP4W Annual Report. Timelines will also include projected board decision points for water, energy, and infrastructure projects and programs to comprehensively prepare the Board and member agencies for anticipated CAMP4W assessments and decisions.

Fiscal Impact

No impact

Applicable Policy

By Minute Item 52776, dated April 12, 2022, the Board adopted the 2020 Integrated Water Resources Plan Needs Assessment.

By Minute Item 52946, dated August 15, 2022, the Board adopted a resolution affirming Metropolitan's call to action and commitment to regional reliability for all member agencies.

By Minute Item 53381, dated September 12, 2023, the Board approved the use of Representative Concentration Pathway (RCP) 8.5 for planning purposes in the Climate Adaptation Master Plan for Water.

By Minute Item 53630, dated May 14, 2024, the Board concurred with the CAMP4W: Draft Year One Progress Report and Next Steps, with the understanding that staff would provide the Board updated data and other information before consideration and approval of any CAMP4W projects.

Related Board Action/Future Action

The CAMP4W Implementation Strategy will be brought to the Board for approval in April 2025.

Details and Background

Background

To ensure the continued reliability of water supplies for our member agencies and their customers, Metropolitan embarked on the development of a Climate Adaptation Master Plan for Water (CAMP4W), a comprehensive set of policy directives and decision-making tools to ensure the Board of Directors is equipped to consider climate risks to water supplies, water quality, infrastructure, operations, workforce, public health, and financial sustainability in its deliberations and investment decisions. It provides a roadmap to guide future investments and decision-making as we confront our new climate reality in the years and decades ahead.

CAMP4W comprises multiple components which together form a living master planning program. This item presents the first several sections of the Draft CAMP4W Implementation Strategy, which both culminates the initial planning phase and sets forth a critical path towards implementing and institutionalizing climate adaptation at Metropolitan over the next five years. Staff will seek board approval of the Implementation Strategy in April 2025. Approval of the Implementation Strategy would direct staff to analyze planned programs and projects based on specific criteria that ensure consideration of climate change impacts and climate vulnerabilities throughout Metropolitan activities and to systematically institutionalize climate adaptation practices and policies to:

- 1) Institute the consideration of climate change impacts and climate vulnerabilities throughout Metropolitan activities.
- 2) Enhance resource planning with the integration of climate and financial information.
- 3) Increase the frequency of updates to resource needs and the factors that drive them.
- 4) Set targets to guide the development of potential projects and programs to increase climate resilience and ensure continued reliability.
- 5) Strengthen decision-making on project and program investments through greater transparency and more holistic and uniform analyses.
- 6) Establish an adaptive management approach to better manage uncertainty and remain responsive to evolving conditions.

The Climate Adaptation Master Plan for Water components are depicted in Figure 1. Foundational inputs to the planning process and implementation decisions (on the left-hand side of the figure) include the Integrated Water Resources Plan (IRP), Regional Needs Assessment, Climate Risk and Vulnerability Assessments, ongoing Infrastructure Studies and Assessments, as well as regular public and partner engagement. The components of the Implementation Strategy include the Time-Bound Targets and Policy Framework as the drivers, the Climate Decision-Making Framework for assessing projects and programs, an adaptive management approach to monitoring, reporting, and adjusting, as well as the Implementation Timelines, which will lay out key milestones over the next five years. The Business Model is currently under review in a parallel process, and any final decisions from that process will be integrated into CAMP4W assumptions and analyses when appropriate. Although these tools and foundational elements will be deployed over the long term, staff will update the Implementation Strategy more frequently to account for new information and the uncertainty associated with climate change.

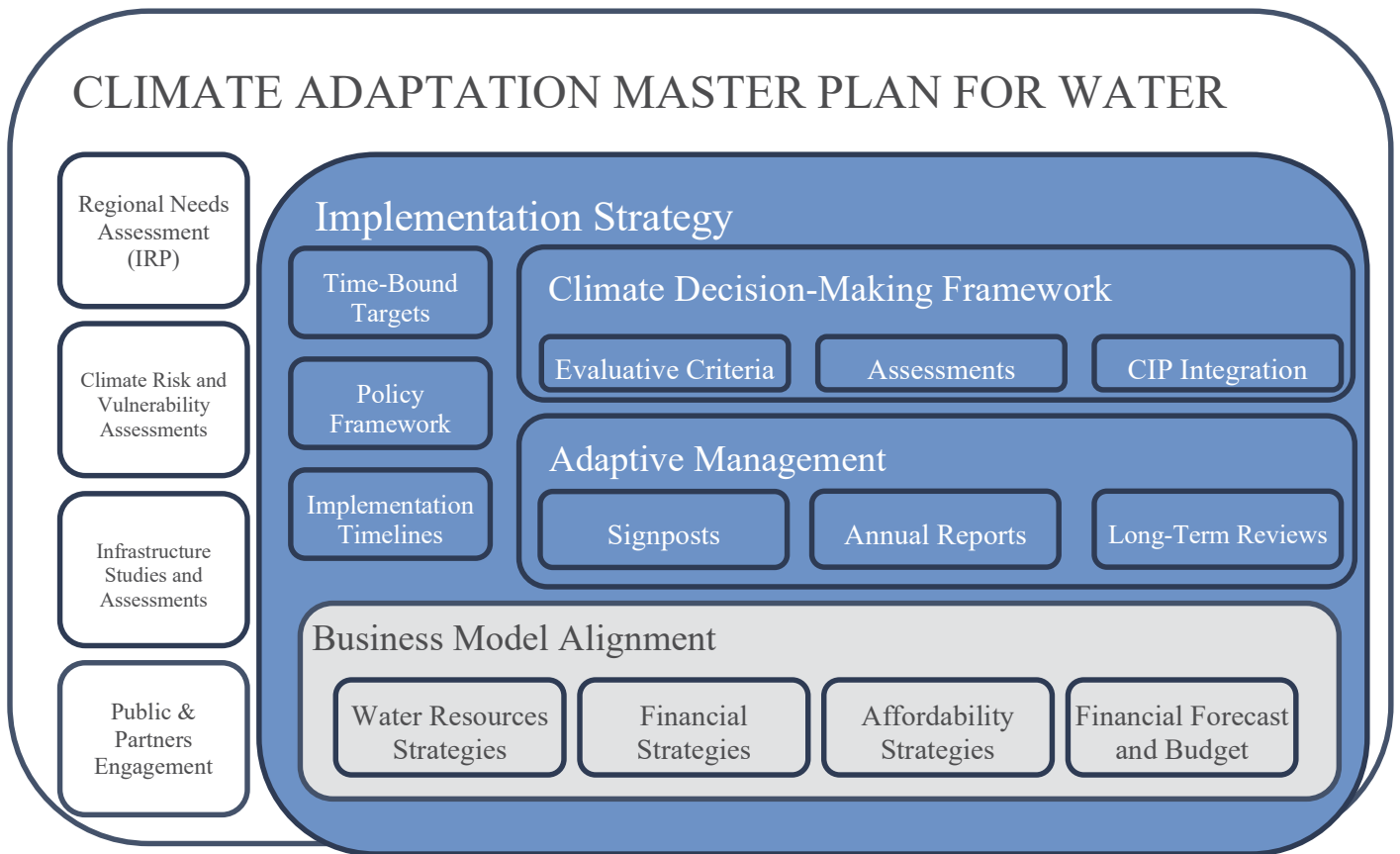


Figure 1: Climate Adaptation Master Plan for Water Components

The components of today’s Draft CAMP4W Implementation Strategy (**Attachment 1**) include the Background and Purpose, Assessed Vulnerabilities and Needs, Time-Bound Targets, Policy Framework, and the Climate Decision-Making Framework. Staff is in the process of developing, and will include in the next Draft, descriptions of anticipated projects, programs, and initiatives and a defined set of new and ongoing tasks with an achievable timeline, the progress of which will be reported annually through the CAMP4W Annual Report. Timelines will also include projected board decision points for water, energy, and infrastructure projects and programs to comprehensively prepare the Board and member agencies for anticipated CAMP4W assessments and decisions.

The current version of the 2024 CAMP4W Annual Report is also attached for reference (**Attachment 2**). Member agency comments received have not yet been incorporated, but will over the next couple of weeks.

Timing and Urgency

Member agency comments on the attached Draft CAMP4W Implementation Strategy are requested by March 12, 2025. Comments on future sections will be due by March 28, but will be limited to new sections to allow ample time for incorporating into the final document. Staff will seek board approval of the Implementation Strategy in April 2025.


Project Milestones

February 26, 2025: CAMP4W Task Force: Discuss Climate Adaptation Policy Framework and Seek Board Input on Draft CAMP4W Implementation Strategy

March 11, 2025: FAM Committee: Seek Board Input on Draft CAMP4W Implementation Strategy

March 26, 2025: CAMP4W Task Force: Review CAMP4W Implementation Strategy

April 8, 2025: Seek Board Approval of CAMP4W Implementation Strategy



Elizabeth Crosson
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2/24/2025

Date



Deven Upadhyay
General Manager

2/24/2025

Date

Attachment 1 – Draft Implementation Strategy

Attachment 2 – Draft CAMP4W Annual Report

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