

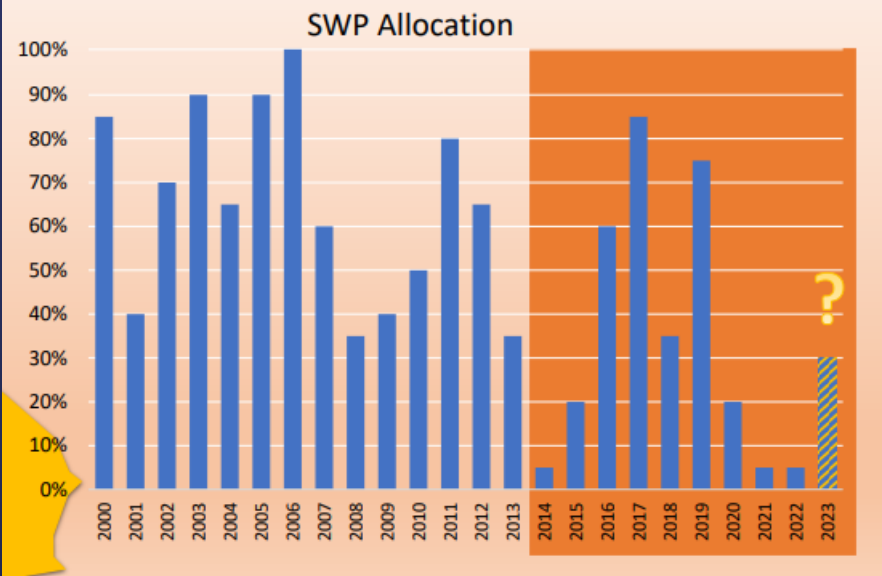


Developing a Climate Adaptation Master Plan for Water

May 3, 2023

Climate Change Threatens Supplies and Operations

Climate Adaptation Master Plan for Water



Board Objectives

Climate Adaptation
Master Plan for Water
(CAMP4W)

- 1) Develop mutual understanding of key terms and outline goals and potential impacts for Metropolitan and Member Agencies related to:
 - Resilience, Reliability, Financial Sustainability, Affordability
- 2) Develop evaluative criteria to measure climate resilient strategies for:
 - Local and regional water supply and conveyance projects
 - Storage development inside and outside service area
 - Investments in imported water supply
 - Demand management and conservation programs
- 3) Identify potential pathways for future investment to meet resilience, reliability, financial sustainability and affordability goals and objectives and evaluate against criteria
- 4) Evaluate organizational needs for meeting goals and objectives including:
 - Business model options
 - Financing and rate structures
 - Workforce development

Climate Adaptation Master Planning Process

Defining the Problem

- **Board Retreat**
- Initiate mutual understanding of climate vulnerabilities, MA needs and interests, values and challenges

Readiness & Structure

- Discuss planning and schedule
- Start to discuss key terms
- Hire climate, planning consultants

Resilience & Reliability

- **Board Workshop**
- Mutual understanding of terms
- Discuss climate risks
- Water Supply Gap Analyses
- Align MWD planning with MA plans
- Consider evaluative criteria

Affordability & Financial Sustainability

- **Board Workshop**
- Mutual understanding of terms
- Test criteria
- Identify vulnerable / high risk areas
- Discuss tradeoffs and co-benefits

Resilient Water Supply Pathways

- **Board Workshop**
- Consider potential pathways
- Discuss tradeoffs and co-benefits
- Estimate costs associated with potential pathways

Water Resilience & Business Model

- Consider potential pathways
- Explore financing models for regional and local projects

Water Resilience & Financial Sustainability

- Test pathways
- Consider “no regrets” projects
- Explore connection to CIP and Biennial Budget

Decision Making Framework

- Consider an adaptive framework for decision-making
- Refine CIP and Biennial Budget

Member Agency and Public Engagement

Upcoming Board Workshops

Climate Adaptation
Master Plan for Water
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Tuesday, May 23rd

Dialogue focused on:

- Communicating interests and needs
- Key terms: Resilience, Reliability, Financial Sustainability, Affordability

Tuesday, June 27th

Dialogue focused on:

- Member Agency Needs Assessment
- Gaps Identification
- Alignment of Member Agency and Met planning

Draft Flow of Meetings and Discussions



May 23 Board Workshop: Terminology & Interests

Climate Adaptation
Master Plan for Water
(CAMP4W)

Proposed Objectives

1. Develop mutual understanding on key terms
2. Identify shared interests among Directors and Member Agencies
3. Brainstorm potential principles/goals to meet shared interests for
 - Resilience, Reliability, Financial Sustainability, Affordability

Proposed Agenda (3 hours)

1. Metropolitan Staff Presentation on key terms (15 min)
2. Discussion of Member Agency input on key terms (30 min)
3. Small Group Discussion on proposed elements of each term (45 min)
 - Report back and compilation of master list of elements
4. Break (10 min)
5. Full Board discussion on master list of elements (20 min)
6. Small Group Discussion on proposed principles/goals under each (45 min)
 - Rotate groups through each of four terms
7. Wrap Up and Next Steps (15 min)

May 23 Board Workshop: Terminology & Interests

Climate Adaptation
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(CAMP4W)

Resilience, Reliability, Financial Sustainability, Affordability

- 1) Metropolitan Staff will address the following questions:
 - How does Metropolitan define these terms now?
 - How are they used in practice?
 - How do evolving climate conditions impact our understanding of those terms?
- 2) Draft Member Agency Manager Meeting Discussion Questions:
 - What are the most concerning vulnerabilities of your local water supply?
 - What's the worst situation you've encountered?
 - How are your vulnerabilities different today than in the past?
- 3) Prior to the May Board Workshop, MA Managers will be asked to submit input via survey on terminology and interests
- 4) Results from all of the above will be presented at May Workshop

Today's Discussion: Terminology & Interests

Reliability

Resilience

Affordability

Financial Sustainability

Discussion Questions

- 1) Additional information or background that would be helpful?
- 2) What are the most concerning vulnerabilities of your local water supply?
- 3) What's the worst situation you've encountered?
- 4) How are your vulnerabilities different today than in the past?
- 5) Met staff will follow up with survey asking:
 - How does your agency define these terms now?
 - How are they used in practice?
 - How do evolving climate conditions impact our understanding of those terms?

