



Subcommittee on Long-Term Regional Planning Processes and Business Modeling

Climate Decision-Making Framework Project Assessments

Item 3b

November 20, 2024

Climate Decision- Making Framework Project Assessments

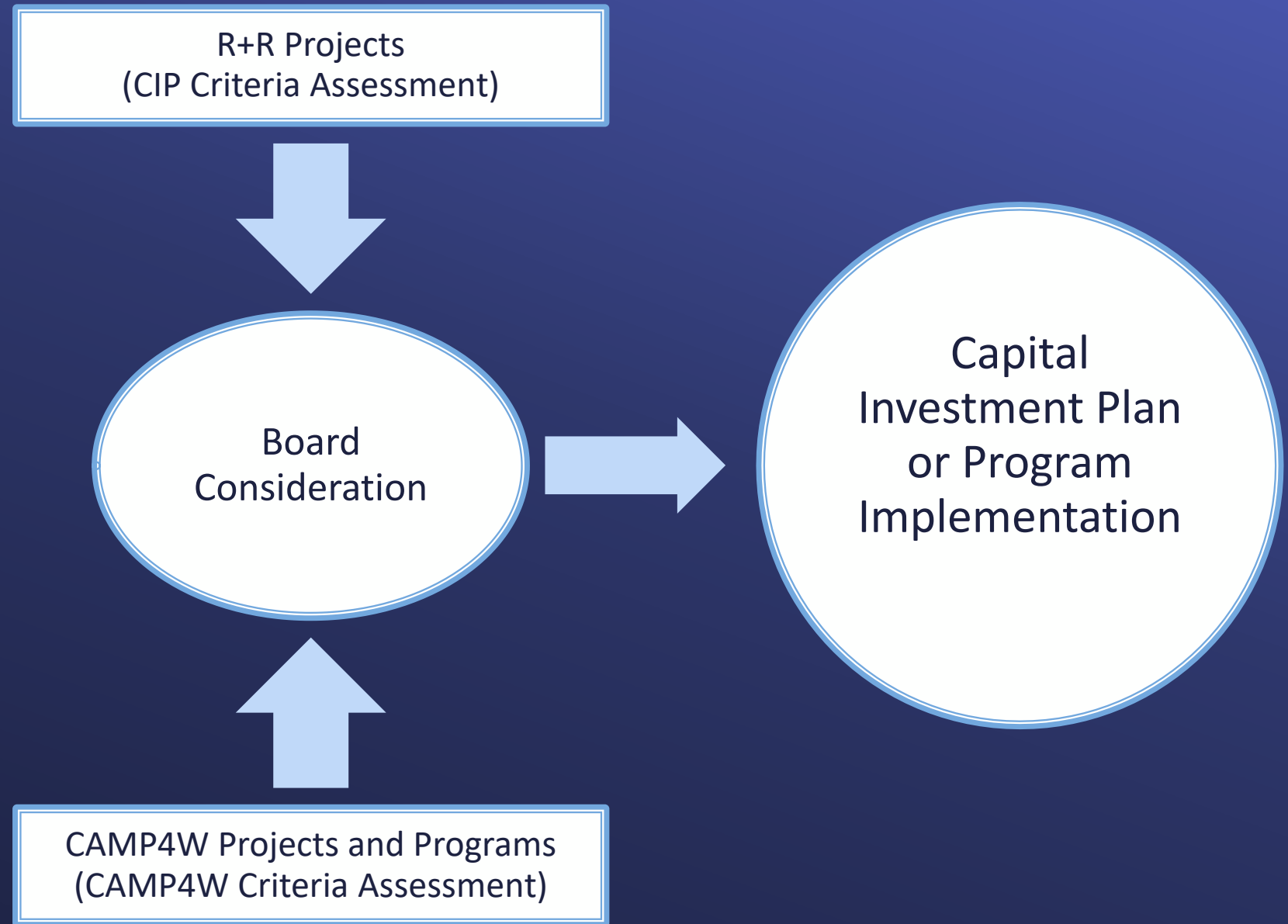


Discussion Outline

- 1) Context of Project Assessments
- 2) CAMP4W Assessment Methodology
 - Updated Assessment Form
 - Guidance Document – *NEW*
- 3) Test Assessment Methodology Lessons Learned
- 4) Review: Four CAMP4W Test Assessments
 - Storage: Hypothetical Central Valley Reservoir
 - Conveyance: DVL-Rialto Delivery
 - Program/Supply: Turf Replacement Program
 - Energy: Weymouth Battery Energy Storage System

5) Working Memos Update

Which
Investments
will be
Evaluated in
the CAMP4W
Process?



Which Investments will be Evaluated in the CAMP4W Process?

Potential questions where a “yes” answer would mean a project or program will be considered through CAMP4W:

- Is the project or program providing a new core supply, flex supply, or storage, or is the project or program enabling a new core supply, flex supply, or storage?
- Is the project or program addressing a known vulnerability to an asset(s) and does it involve improvements beyond what would be required to perform traditional R&R for that asset?
- Does the project or program exceed a certain flow-based threshold (CFS or AFY) or cost threshold (capital or O&M cost)?



Potential Projects and Programs for Future CAMP4W Assessment (not exclusive)

Core Supply

- Pure Water Phase I & II
- Delta Conveyance Project
- Groundwater Desalination
- Ocean Desalination
- Conservation / Efficiency Programs

Surface Water Storage

- Sites Reservoir
- San Joaquin Phase I & II
- Castaic Lake
- In-region Storage

Groundwater Storage

- AVEK Phase II
- Central Valley Storage
- Hayfield
- Surplus Water Management

Flexibility and Resilience

- Sepulveda Pumping Phase II
- East-West Conveyance
- AVEK to West Side

Energy Sustainability

- CRA Pump Storage
- DVL Pump Storage
- In & Out of Region Solar

CAMP4W Assessment Methodology



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Attribute Questions Refined

Reliability

- Considers regional and equitable supply reliability, including quantitative analysis based on IRP modeling
- Considers benefits beyond planning horizon, potential companion projects and how it integrates with existing infrastructure/programs

Resilience

- Reframed questions; includes resilience co-benefits (i.e. seismic)

Financial Sustainability & Affordability

- Reframed questions; acknowledges different ways to look at different types of projects
- Considers revenue generation potential

Adaptability & Flexibility

- Focus on how it integrates with existing system/operations
- Considers phasing potential

Equity

- Clarifies what is being measured

Subcommittee on Long-Term Regional Planning Processes and Business Model
Environmental Co-Benefits

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CAMP4W Assessment Methodology

Additional Form Refinements

- Provides ample space for additional information, data, considerations
- Includes justification for overall assessment determination in each criteria category
- Improves readability of colors and rankings
- Developed CAMP4W Comprehensive Assessment Guidance Document



Guidance Document Informs Evaluation Committee

CAMP4W Comprehensive Assessment Guidance Document

- Assigns subject matter experts to the Evaluation Committee
- Provides guidance for each attribute question and provides examples where appropriate
- Lists potential sources of data and information for each Evaluative Criteria
- Includes Glossary of Terms



CAMP4W Assessment Methodology

Lessons Learned



Test Assessments

- Form generally worked for different project types
- Not all attribute questions are relevant for every type of project
 - Ex: Reliability analysis may only be relevant to water supply projects and programs
- Financial data may speak for itself (i.e. may not be appropriate to assign a "value")
- Hypothetical projects are difficult to assess in many categories
- Most projects and programs will require multiple evaluations; baseline will adjust over time with Needs Assessment updates
- Projects will be re-evaluated based on changing conditions or project life cycle

CAMP4W
Assessment
Methodology
**Member Agency
Comments
Nov. 12 meeting**



November 20, 2024

Member Agency Feedback for Consideration

- 1) General support for Comprehensive Assessment Methodology that includes quantitative and qualitative measures
- 2) Quantitatively assess progress towards Time-Bound Targets on Summary Page
- 3) Use Additional Information sections to point to past Board actions and policies as well as relevance to Time-Bound Targets
- 4) Include reference to actions related to state or local mandates
- 5) Add cost per acre-foot to first page where available
- 6) Discuss companion projects where appropriate

CAMP4W
Assessment
Methodology
**Member Agency
Comments
Nov. 12 meeting**



November 20, 2024

Member Agency Feedback for Consideration (cont'd)

- 7) Request that quantitative analysis under Reliability Criteria include historic dry and wet weather sequences as well as IRPSIM modeling information
- 8) Interest in seeing data for all four IRP scenarios (A, B, C, D)
- 9) Provide more specificity on how project addresses SWPDA reliability, also acknowledging that additional regional benefits depend on climate conditions / supply availability
- 10) For Turf Replacement Program, add information on summary page about the yield
- 11) Capture potential cost savings related to a project or program (i.e. BFSS project)

Test Comprehensive Assessments

**Questions to Consider
during Discussions**

- Do the Test Assessments provide the breadth of information, and the level of detail required to make investment decisions?
- Are there any key data points/questions missing?
- Please share key takeaways in reviewing the Test Assessments.

Test Comprehensive Assessments

- 1) Storage: Hypothetical Central Valley Reservoir
- 2) Conveyance: DVL – Rialto Delivery
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Working Memos Update

Working Memo #7: Integrating Climate Adaptation

- Expanding scope to address comments

Working Memo #8: Signposts and Adaptive Management

- Almost final; to be distributed this month

Working Memo #9: Assessment Methodology

- Minor changes made; posted with Nov. Task Force documents
- Updated Form and Guidance Document attached

Examples of Comments Received on Working Memo #7

Revisions
to Working
Memo #7

**Integrating Climate
Change in Metropolitan
Planning, Processes and
Implementation**

- Clarify how climate adaptation will be integrated throughout Metropolitan processes and programs
- Explain how Metropolitan will integrate needs assessments in early stages and how this will influence project identification and the need to avoid under or over developing
- Clarify how Member Agency feedback will be included in the process of project identification



Revisions
to Working
Memo #7
**Integrating Climate
Change in Metropolitan
Planning, Processes and
Implementation**

Examples of Comments Received on Working Memo #7 (cont'd)

- Explain how portfolios will be assessed
- Better define considerations surrounding equity
- Explain the frequency and intention of updating the existing plans identified in the draft memo and how data will be incorporated into the Time-Bound Targets, Signposts, and Evaluative Criteria
- Provide more details on certain plans and how they will be used



Annual Water Resources Needs Assessment

Signpost Data Collection and Evaluation

Local/MA Supply Survey

Storage Condition Assessment

Gap Analysis Check-In

CAMP4W Annual Report

Signposts Data and Trends

Targets Progress and Adjustments

Implementation Progress and Recs

Ongoing

Document and Prepare for Potential Updates to IRP Planning Scenarios

5-Year Planning Cycle Update

Update Scenario Assumptions and Planning Model Inputs

Update reliability Analysis (supply/demand gap)

Update Needs Assessment

Board Approval

Example Content for Working Memo #8

CAMP4W Interface

Update Time-Bound Targets*

Informs CAMP4W Implementation

** The Time-Bound Targets may be updated more frequently at the discretion of the Board and CAMP4W process*

2024-25 Schedule of CAMP4W Discussions



