

AGENDA

WSAC Planning Subcommittee

Friday, April 24, 2015

Attendees: Rosemary, Heidi, Doug, Nicholas, Rick, Erica, Bill Faisst, Sid, Mark, Bob Raucher

Apologies: Peter (resigned), David B

Meeting Desired Outcomes:

- Agreement on any modifications to the April/May meeting agenda and input on the June meeting agenda
- Input on the June meeting agenda
- Agreement on the proposed June 23rd joint study session with the City Council with focus on Scenario Planning work
- Any additional input on the MCDS Evaluation Criteria
- Updates on the technical work plan and the enrichment series.

1. Review proposed April / May agenda – See attached

- **Rosemary provided an overview of the meeting agenda.**
- **Discussion of shift of focus of presentations: more about interpretation and discussion of materials, rather than review of materials that have been distributed.**
 - **Noted that the public, like the committee, would need to do their homework**
- **Discussion of Item 6 - climate change topic – intent is opportunity to discuss Cmte perspectives and perhaps gain consensus on how we will handle / plan for climate change impacts.**
- **Discussion of adding SLR event review, too. To be added to agenda**
- **Discussion of Item 8. Bob R introduced ongoing work relating to the CAs: many Confluence™ runs; B&C work on engineering feasibility and considerations; conservation related work; etc. This work will be communicated via several memos to be in Friday's transmittal email.**
- **Discussion of item 9: scenario setup. Will be working with 2 “evolved” scenarios in 4 groups. Scenarios are those used in March exercise, but in this round the Cmte will have more technical information about many of the Alternatives and will be asked to think about building flexibility (adaptive management) into their portfolios so that they can be responsive to how conditions may change over time.**
- **Discussion of item 10: MCDS update. RM managing this process; Carie and Philip to revise MCDS based on updated criteria.**
 - **Mark asked whether 15 minutes was enough time to put this to bed.**
 - **RM offered that she thought that the changes were pretty straightforward and reflected ongoing discussions.**

- ND asked about Local Jobs item. RM confirmed that the “premise” of the item operates as framing of how to deal with the question.
 - **Discussion of item 12 (Peak Season Demand)**
 - **After some discussion, Rick recommended removing the parenthetical from the bottom option (“(e.g., water transfers to other districts if the conditions of groundwater aquifers don’t permit much return in the near term)”)**
 - **Discussion of Planning Subcommittee “reboot” after 8 May.**
 - **Committee goes away at that time**
 - **Time to constitute an Agreement Process subcommittee?**
 - **Will do this during RDP report**
2. Preliminary look at June and July meetings, to confirm “arc” See attached preliminary agenda for June and separately attached flow diagram
- **Rosemary walked the group through the flow chart as an overview of the upcoming iterative agreement-creation process.**
 - **Nicholas noted that the tempo increases during the iteration cycle. The work plan for the technical team reflects that some items will take more than 2-3 weeks to resolve (“spiral” effect).**
 - **Mark suggested adding TBL and MCDS evaluation.**
3. Proposal for a June 23rd joint meeting/evening study session with the City Council on the Work of the WSAC
- **Two possible dates: 23 June or a date in August (Council going dark in July)**
 - **Framework: overview of process then discussion; evening session**
 - **Venue: Police community room. Not on video, but would be recorded.**
 - **Optional meeting**
 - **ND to poll the Cmte about availability on 23 June at 7p**
4. Re-review criteria for completeness – red-line draft to be provided at the meeting
- **RM walked through her revised MCDS draft. Highlights:**
 - i. **Re-ordered to get better flow from alternative criteria to portfolio criteria**
 - ii. **Stripped out lots of narrative text**
 - iii. **Energy item change (DRE to provide GHG items)**
 - iv. **Peak season demand**
 - **Discussion at committee will focus on reaching agreement that these criteria will suffice for now, mindful that we will continue to learn more as we work with them, and we have an opportunity to re-turn the model based on those learnings.**
 - **Discussion of timeframe for the Cmte to be working with the criteria and the model (mid-May). Small group offline meetings (probably following the format used in Recon: max of 7 folks; not publicly noticed; *kaffeeklatsches*,**

if suitable) to allow collaboration on this work to rate all of the portfolios using the criteria.

- ND to poll the Cmte at the Friday session for general availability during the weeks of 11 and 18 May.

5. Refresh on enrichment topics for coming weeks/months

- **Three more upcoming topics:**
 - i. *Santa Cruz Saves More* (20 or 21 May) – conservation
 - ii. Re-use
 - 1. Scheduling has been challenging between technical experts and Orange County expertise
 - 2. Interest in including someone with a public health focus
 - 3. Probably in June sometime (7, 8, 14 May; 11 or 12 June)
 - iii. Energy / CCA / GHG discussion
 - 1. CCA component is relatively straightforward, given that there are available local experts.
 - a. General political agreement in place; really working on the mechanics – may be in place within 2-3 years.
 - b. Assumption is that this will be green energy.
 - 2. Discussion of how to address energy component? Focus on energy intensity of current system, potential adds / changes.
 - 3. Timing uncertain at this point
 - iv. Rick discussed de-centralized aquifer recharge work that Sarah has done in context of demand-reduction sub-committee efforts
 - 1. She will distribute something to the committee soon.
 - 2. The Demand Reduction Working Group will recommend an enrichment session on Aquifer Recharge Through Storm Water Infiltration

6. Tech team work update

- **Bob reported that the team is “really busy; lots going on”. Reviewing CAs; revising scenarios; lots of work with Confluence to really understand winter flow availability with infrastructure constraints removed.**

Water Supply Advisory Committee Meeting

First session: Thursday, April 30

5:00 p.m. – 9:30 p.m.

Simpkins Swim Center

979 17th Ave, Santa Cruz, CA

Second session: Friday, May 1

2:00 p.m. – 6:00 p.m.

Simpkins Swim Center

979 17th Ave, Santa Cruz, CA

Flow Agenda¹

Meeting Objectives:

At this meeting the Water Supply Advisory Committee (WSAC) will receive presentations on supply, demand and reliability analyses created or updated specifically for use by the Committee in its process. These analyses create a baseline or point of departure for the Committee's work planned during Phase Two of the WSAC process.

In addition to desired outcomes for each substantive agenda item, the objectives for this WSAC meeting include:

- Understand the current challenges and needs of the Santa Cruz water system and how the system needs may provide opportunities for leveraging already needed investments as they relate to possible supplemental water supply project options;
- Understand the kind of analyses of portfolios that can be done and the information that results from these analyses and how such information can be used to assist the Committee as it develops its recommendation;
- Understand and reach agreement on how to incorporate climate change into future water system planning; and
- Use Scenario Planning to create portfolios to respond to several scenarios so that the Committee can evaluate the capacity of the Portfolios to respond adequately to a wide range of the plausible future conditions that Santa Cruz will probably face.

¹ This is the Flow Agenda prepared for use by the facilitator. It includes information that is excluded from the official agenda about the timing of the meeting and the content of agenda items. We expect that, as much as we hope to stick to this flow agenda, we will have to make adjustments during the meeting to the schedule and the contents described here. The Committee is required to do pretty much exactly what the official agenda says, so we get the "wobble room" we need in the official agenda by making the official version less specific about schedule and content. You will easily recognize the official agenda by the lighthouse logo on its first page.

First Session – Thursday, April 30

Roll Call

1. Welcome to the public and public comment (5:00-5:10)

We encourage members of the public to attend this Committee's meetings and invite public comment about items on the agenda at the beginning of each session. We will invite additional comment during the session before making major decisions. We invite public comments about items relevant to this Committee's work but not on the meeting's agenda during the Oral Communication section at the end of Friday's session.

2. Committee member updates (5:10-5:20)

Members provide news of significant communication between them and organizations with significant interest in the development of water policy in Santa Cruz.

Packet Materials Related to this Agenda Item:

2a Update on Soquel Creek Water District activities

3. Agenda Review (5:20-5:30)

The Committee reviews the agenda for both sessions of this meeting.

Desired outcomes:

- Understanding of the relevance of this meeting's tasks to the Committee's work as a whole
- Agreement on the agenda for this meeting

Packet Materials Related to this Agenda Item:

3a April/May WSAC Meeting Flow Agenda

3b April/May WSAC Meeting Formal Agenda

4. Highlights of Updated Tech Memos and Discussion of Sensitivity analyses of Demand Forecasts and System Reliability Analyses Results (5:30 – 6:00)

Desired Outcomes:

- Understanding how the use of alternate assumptions about certain factors could affect future water demand and the analysis of supply reliability;
- Agreement that the set of water demand forecasts that have been developed represent a reasonable range of potential future demands that can be used for the Committee's water system planning work until the results from the planned econometric demand model are available.

Packet Materials Associated with this Item:

4a Memo from David Mitchel on Demand Forecast Sensitivity Analysis

4b Memo from Gary Fiske on System Reliability Analysis using updated demand forecasts.

5. Highlights of the Tech Memo and Discussion of State of the Water System Analysis (6:00 – 6:40)

Heidi Luckenbach, Deputy Director for Engineering and Bill Faisst of Brown and Caldwell will present highlights of the tech memo describing the major capital improvement work on the backbone water system facilities (source, storage, transmission, treatment) planned for the next 10 to 15 years. The purpose of this presentation is to provide information to the Committee that may be useful in thinking about future water supply options and the opportunity to prioritize projects to improve cost effectiveness or to leverage needed investments.

Desired Outcomes:

- Understanding of the Water Department's current view of the rehabilitation and replacement needs and costs associated with the water system's backbone infrastructure.
- Understanding of the opportunity presented by potential future infrastructure investments that might link with, change the priority of, or otherwise be leveraged by the selection and pursuit of some supplemental supply or operational flexibility options.

Packet Materials Related to this Item:

5a Tech Memo on the State of the Water System

6. Climate Change Forum Debrief and Discussion (6:40 – 7:20)

By the time of this meeting, Committee members will have had several opportunities to receive and work with climate change information, including the Climate Change Enrichment Forum taking place on April 8, 2015. During this discussion, Committee members will have an opportunity to discuss with the Technical Team and each other how they see climate change affecting our community's future water supply. In particular, a goal will be to identify any additional climate change impacts that have not been considered to date that need to be evaluated. This discussion will also provide an opportunity for the Technical Team and Committee members to gauge the Committee's comfort with the climate change information they have received and to answer any questions they have about this information. Committee members will have an opportunity to reach agreement about how to incorporate climate change into water supply planning if they are ready to do so.

Desired Outcomes:

- Identification of any additional climate change impacts that Committee members see as important to our community's future water supply;
- Agreement on plausible parameters for climate change to use in water system planning; and
- Possible agreement on how to incorporate climate change into water supply planning for Santa Cruz.

7. Break (7:20 – 7:30)

8. Highlights and Discussion of Updated information and analyses of Consolidated Alternatives and Follow Up Work on Analysis of Portfolios (7:30 – 8:00)

Members of the Technical Team will highlight work that has been done to analyze several of the key Consolidated Alternatives and related portfolios developed in Round #1 of Scenario Planning. Committee members will have a chance to discuss the information provided and provide input to the Technical Team on future work related to either analysis of portfolios or information for Consolidated Alternatives.

Desired Outcomes:

- Understanding of additional information developed for several types of Consolidated Alternatives, with a focus on key insights gained;
- Understanding of some initial analytical results for portfolios from round #1 of Scenario Planning.
- Identification of the kinds of analyses of portfolios to be done for portfolios created from round #2 of Scenario Planning.

Packet Materials Related to this Item:

- 8a Summary Technical Memos on Confluence Analysis of Consolidated Alternatives
- 8b Updated Technical Summary Sheets for Consolidated Alternatives

9. Scenario Planning Task #2 Set-Up (8:00 – 8:20)

Committee members receive information needed for them to conduct Scenario Planning Task #2. Included will be information about the scenarios they will be working with, updated information on the Consolidated Alternatives (CAs) including yields from Confluence model runs, and updated information on the information provided for CAs related to the various portfolio criteria. In addition, Committee members will receive information about the materials to be prepared for the report outs. Scenario planning working groups will have an opportunity to convene at the Simpkins Center in advance of the 2:00 pm start of the May 1st meeting in case they require extra time to prepare

Desired Outcome:

- Understanding of the purpose and objective of the Scenario Planning Task #2 so that Committee members will be able to do Scenario Planning Task #2 and report their results to the full WSAC on Friday.

Packet Materials Related to this Item:

- 9a Scenarios for round 2 of Scenario Planning

10. Update on MCDS Evaluation Criteria (8:30 – 8:45)

The Committee will review, revise as needed and adopt evaluation criteria for use in rating portfolios against the scenarios for which they were created using the MCDS model.

Desired Outcome:

- Agreement on the evaluation criteria to be used in the MCDS model.

Packet Materials Related to this Item:

10a Evaluation Criteria Memo

11. Correspondence received from the community (8:45 – 8:50)

The Correspondence Secretary reports on correspondence received from the community.

Desired outcomes:

- Understanding of the correspondence received
- Agreement on any direction to be given to the Corresponding Secretary

12. Subcommittee and Working Groups Reports (8:50 – 9:20)

- **Technical Team Update (to be added)**
- Outreach Subcommittee
 - Update on plans for outreach and community engagement

Packet Materials Related to this Item:

12a Sentinel Op-Ed #3

12b Outreach Subcommittee Meeting notes from 3/25/15

- Planning Subcommittee
 - Progress Report on Planning Subcommittee Work Plan
 - **Subcommittee expires on 8 May; discussion of what to do next.**

Packet Materials Related to this Item:

12c Planning Subcommittee meeting notes from 3/27/15

12d Planning Subcommittee meeting notes from 4/10/15

- Peak Season Demand Management Working Group

Desired Outcomes:

- Understanding of work being done by subcommittees; and
- Agreement on any Committee direction to subcommittees

13. Materials resulting from the previous meeting (9:15 – 9:20)

The Committee takes action on materials from the February meeting.

Desired Outcome

- Agreement on Action Agenda from the March meeting

- Agreement on Meeting Summary from March meeting

Packet Materials Related to this Agenda Item:

- 13a March Action Agenda
- 13b March Meeting Summary

14. Overview of June 11-12 Meeting Agenda (9:20 – 9:25)

The Committee will receive a preview of the proposed agenda for the June 11-12 WSAC meeting.

Desired Outcome:

- Committee member input on the proposed agenda
- Increased continuity for Committee members between one meeting and the next.

Packet Materials Related to this Agenda Item:

- 14a Preliminary Meeting Agenda for June 11-12 WSAC meeting.

15. Wrap Up and Adjourn (9:25 – 9:30)

Second Session – Friday, May 1

NOTE: Session Two will begin with Committee members doing Round #2 of Scenario Planning. Committee members may begin work in their groups as early as noon, and will begin no later than 2:00 pm. Citizens are welcome to attend the session while Committee members work in their groups, but are asked not to participate in working group discussions. The meeting will be formally convened at 4:40 pm with an opportunity for public comment.

16. Scenario Planning Task #2 (2:00 – 4:30)

Working in small groups, Committee members will engage in round two of Scenario Planning. Each working group can work through the exercise in a manner that is comfortable to them.

The basic steps of the scenario planning exercise involve Committee members, working in assigned small groups to:

- review the scenario to which they have been assigned,
- develop and agree on a maximum of two portfolios to respond to each scenario, and
- prepare materials to report out about their work following the meeting break.

Desired Outcomes:

- Understanding of the challenges presented to water supply by a range of plausible futures;
- One or two portfolios of consolidated alternatives that respond to the key elements in the assigned planning scenario.
- Understanding of the scenarios and portfolios that the Committee worked with.

- Materials summarizing the process and outcomes reached by the working group including:
 - One (or at the most two) portfolios that respond to the assigned scenario and that will be evaluated for consideration at the June meeting;
 - Materials for use in the report-out for the working group after the Break.

17. Break (4:30 – 4:40)

18. Welcome and Public comment (4:40 – 4:45)

We encourage members of the public to attend this Committee's meetings and invite public comment about items on the agenda at the beginning of each session. We will invite additional comment during the session before making major decisions. We invite public comments about items relevant to this Committee's work but that are not on the meeting's agenda during the Oral Communication section at the end of this session.

19. Scenario Planning Report Out (4:45 – 5:45)

Each Scenario Planning group will provide a report out on their work.

Desired Outcomes:

- Understanding of the process and rationale for selecting alternatives to include in portfolio

20. Oral communication (5:45-5:55)

We invite public comments about items relevant to the Committee's work but not on the meeting's agenda

21. Evaluation and wrap up (5:55-6:00)

Review the session and consider items to be carried forward to the next meeting.

Draft Agenda for WSAC Meeting on June 11-12		
Agenda Item		
<i>Time</i>	<i>Thursday, June 11 – 5 pm to 9:30 pm</i>	<i>Packet Items</i>
10 min	<ul style="list-style-type: none"> Welcome and Public Comment 	
10 min	<ul style="list-style-type: none"> Committee Member Updates 	
10 min	<ul style="list-style-type: none"> Agenda Review 	Flow Agenda, Brown Act Agenda
60 min	<ul style="list-style-type: none"> Presentation and discussion of portfolio evaluation results (Confluence, TBL, MCDS) 	Evaluation Summary Materials – reports, tech memos, presentation materials
30 min	<ul style="list-style-type: none"> Set up for round three scenario planning – 	Scenario Planning Material
150 min	<ul style="list-style-type: none"> Round three scenario planning 	Related Background and Presentation Materials
Friday, June 12, – 2 pm to 6 pm		
60 min	<ul style="list-style-type: none"> Scenario planning report out and discussion 	
10 min	<ul style="list-style-type: none"> Break 	
60 min	<ul style="list-style-type: none"> Scenario Planning Report Outs and discussion 	
50 min	<ul style="list-style-type: none"> Emerging Areas of Agreement – Identification or discussion of any emerging areas of agreement about scenario around which to focus future planning, emerging common portfolio elements 	
5 min	<ul style="list-style-type: none"> Correspondence received from Community 	
30 min	<ul style="list-style-type: none"> Subcommittee reports <ul style="list-style-type: none"> Outreach Subcommittee Planning Subcommittee 	
5 min	<ul style="list-style-type: none"> Action on April/May action agenda and meeting summary 	March Action Agenda and Meeting Summary
5 min	<ul style="list-style-type: none"> Draft Agenda for July WSAC meeting 	Draft June WSAC Agenda
10 min	<ul style="list-style-type: none"> Oral Communication 	
5 min	<ul style="list-style-type: none"> Wrap up and adjourn 	