

AGENDA

WSAC Planning Subcommittee

Friday, March 6, 2015

*Meeting discussion notes in bold italic (like this text).*

***Attendees: Bob Raucher, Colleen Donovan, David Green Baskin, Doug Engfer, Erica Stanojevic, Karen Raucher, Mark Mesiti-Miller, Nicholas Dewar, Peter Beckmann, Rick Longinotti, Rosemary Menard, Sid Slatter***

***Apologies: Heidi Luckenbach***

***Erica has asked to leave the committee due to time commitments. We will miss her.***

Meeting Desired Outcomes:

- Action on Consolidated Alts
  - Discussion and agreement on recommendations for the full Committee on issues identified for Planning Subcommittee action
- Review and Discussion of Draft Meeting Agenda for March 18-20
- Agreement on Recommendations Related to Enrichment Series

1. Consolidated Alternatives

- Planning Subcommittee feedback and agreement recommendations to the full Committee on on:
  - Consolidated Alts Table,
  - Any Missing Alts?
  - Have we adequately captured the diverse range of alts?
  - Is the rationale for each choice clear and compelling?
  - Example technical summary sheets
  - FAQs on Immature Alts
- ***Bill and Colleen walked the committee through the updated Consolidated Alts memo***
  - ***Continue to add items to the full list of submitted alternatives***
  - ***Currently at about 20 consolidated alternatives***
  - ***Described addition of "Assumptions" and "Reasoning" columns to summary table (Table 1)***
  - ***General discussion:***
    - ***Discussed use of Confluence to evaluate alternatives and portfolios. Some concern about how to isolate impact of individual alternatives within portfolios. However, many alts interact in ways that must be modeled together.***
    - ***Technical team will use Confluence on an iterative and more ad hoc basis as they build up and characterize portfolios.***
    - ***Discussed whether we will have sufficient and appropriate information to build portfolios during March session - for example, ability of an alt to address peak-season demand.***
      - ***WSAC will need to be comfortable that there will still be some "known unknowns" during March. Still relatively early in fact-gathering and – development process.***
      - ***This is the start of an iterative process, after all***

- *Rick proposed that we delay portfolio development until we have sufficient information to make the effort worthwhile. For example:*
        - *Storage: performance during severe drought*
        - *Demand reduction: peak-season*
        - *Inter-year seasonality*
      - *Rosemary offered that we will have peak-season productivity insights*
      - *Inter-year issues more related to more-detailed portfolio analysis, which will come later.*
    - *Discussion of Consolidated Alts discussion time during March*
      - *Rosemary offered to host some sub-group Q\*A sessions with Bill and Colleen ahead of the March meetings in order to resolve detailed questions.*
    - *Technical detail sheet discussion*
      - *Ultimately these sheets will mirror our criteria more closely*
      - *Cost per MGY calcs and assumptions to be explained clearly*
      - *Energy to be presented in kWh/MG*
    - *Discussion of “technical maturity” and impact on selection of Consolidated Alts*
    - *Discussion of “not included” alts and whether any should be added*
      - *Conservation Pricing.*
        - *Contemplated in Demand Model, so not needed as an Alt.*
      - *Demand management during droughts (a la Santa Barbara extended drought scenarios)*
        - *This really gets to design drought*
      - *Composting toilets*
      - *Will table to more-detailed discussions (noted above).*
2. *March 18-20 draft flow agenda*
  - *Review and discussion of March Flow Agenda*
  - *Agreement on any revisions or suggestions for change*
  - *Rosemary walked the group through the DRAFT agenda*
  - *Consolidated Alternatives*
    - *Timeframe too short, most likely*
    - *Will need to allow for public comment time (well managed)*
    - *Will publicize release of Consolidated Alt information (to our email list, e.g.)*
  - *Scenario planning*
    - *Timeframe*
      - *The timeline for planning to be stipulated as part of the exercise*
    - *Scenarios (these are preliminary and still work in progress; final product for March will differ)*
      - *Baseline – DFG 5; address supply/demand mismatch using any/all tools available (new supplies, demand management, etc.)*
      - *Maximum Capacity – like Baseline but solution strategies would tilt away from infrastructure and toward demand management and conservation*
      - *Endless Summer – extended droughts and how to manage; more historical hydrology*
      - *Heat – focus on hydrological changes attendant with climate change; more middle of the road on rainfall (not necessarily based on droughts)*

- **Note bene: even the scenarios we use in March are only preliminary in nature; again, this part of the process is iterative in nature.**
- **Results discussion time will include consideration of suggested changes to the scenarios themselves, not just how these particular scenarios drive portfolio building.**
- **Mark suggested refresher on IBB prior to the meeting**
- **Report out segment to be well-managed and structured, using templates provided by Karen**

3. Enrichment Series discussion – Plan B

After discussing the Enrichment Series with Eileen Cross, the suggestion is to organize and implement a regularly scheduled series, in a fashion similar to what was done for the Modeling and Forecasting Working Group. The idea would be to see about multiple entity co-sponsorship, similar to what was done for the David Mitchell, John Rosenblum session, and lay out the whole series to occur over the coming weeks. A tentative preliminary line up is shown below.

Joel Smith from stratus is available and tentatively booked for April 8<sup>th</sup>.

- Session 1: April 8, 2015 – Climate Change and its Potential Implications for Water Resources in the Western US
  - Joel Smith – Stratus Consulting
- Session 2: Potential Local Impacts of Climate Change
  - Bruce Daniels – likely impacts to local watersheds
  - Shawn Chartrand – likely impacts to local hydrology
- Session 3: Potential for Water Transfers and Exchanges and Aquifer Storage and Recovery
  - Pueblo Hydrogeology– Opportunities for aquifer storage and recovery
  - John Ricker – Opportunities for water transfers and exchanges
- Session 4: Water Reuse – Opportunities and Challenges
  - Rhodes Trussell, Trussell Technologies, History of Water Treatment and National Academies of Science Report on Water Reuse
  - Bob Holmquist, Retired from State Water Quality Control Board, Reuse and Public Health
- Session 5, 6 etc. to be continued following ongoing discussions.
- **Discussion**
  - **Fish flows (possibly for 18 March – still in flux on scheduling and availability)**
    - i. **Consideration of how stormy stream flows flush in a beneficial way – where does this go?**
  - **Climate change**
    - i. **Will consider combining 1&2 (Bob R: 30 minutes for each + a panel could work)**
    - ii. **Will particularize topical coverage for 1 to the Central Coast**
  - **Discussion of a separate session to talk about infrastructure (Per Rick’s memo to Rosemary)**

4. March 18 Enrichment –

- **See above under Fish Flows.**

5. Status on Evaluation Criteria --

- ***Rosemary has absorbed our input plus others and done a pretty comprehensive (if still incomplete) rework***
  - i. ***Still some organizational work to be done***
  - ii. ***Will suggest some new/additional ones***
- ***RDP to review and feed back to Rosemary via email by early next week (COB Tuesday, 10 March)***
  - i. ***Focus***
  - ii. ***Main descriptions + recommended resolutions are main areas of work/feedback.***
- ***Need to get to common understanding before next run of MCDS***
  - i. ***Make sure WSAC understands when and how we will next use MCDS***
  - ii. ***Staff to focus any WSAC criteria discussions on those items that need work***

DRAFT