

Evaluation Criteria and Rating Guide		
Criterion	Questions	Where to find Information About
1. Technical Feasibility	How likely is each Plan to be technically successful? For Plan B, consider the technical feasibility at the time the plan would actually start	<p>April/May WSAC Meeting Materials http://www.santacruzwatersupply.com/meeting-info (also found under Technical Information)</p> <ul style="list-style-type: none"> 8a-1 Winter Flows: New Information (Stratus, 4/24/15) 8a-2 Winter Flow Att A; Modeling Results: Harvesting Winter Flows (Fiske, 4/19/15) 8b-1 Recycled Water; Additional Information Regarding Recycled Water Alts (Stratus, 4/24/15) 8b-3 Attachment B Recycled Water Updates; Modeling Results: Indirect Potable Reuse (Fiske, 4/19/15) <p>June 2015 WSAC Meeting http://www.santacruzwatersupply.com/meeting-info Materials (also found under Technical Information)</p> <ul style="list-style-type: none"> Technical Memorandum, Reconnaissance-Level Evaluation of ASR and IPR (Pueblo Water Resources, 05/15/15) Summary of Florida Everglades ASR Study (Stratus, 6/1/15) <p>Other (Also found under Technical Information)</p> <ul style="list-style-type: none"> SqCWD 2012 Integrated Resources Plan. This document discusses sustainable yield (pg 20); recovery pumping goals and basin restoration timeframes (ref Table 4-2); and recharge (Appendix A). http://www.soquelcreekwater.org/sites/default/files/reports/IRP%202012%20Update_adopted_by_board_w_appendixA-FINAL.pdf Soquel Creek Water District Fact Sheet on Alternatives (includes DeepWater Desal; water transfer; mid-county groundwater replenishment) Fact-sheet_pdf1.pdf Water Transfer: Final Report, Conjunctive Use and Water Transfers Phase II (County of Santa Cruz May 2015) http://scceh.com/Home/Programs/WaterResources/IntegratedRegionalWaterManagement.aspx 2015 Cooperative Groundwater Management Agreement (found under Technical Information)
2. Time Required to Demonstrate Technical Feasibility	How much time is required to demonstrate whether a Plan is technically feasible? When rating Plan B, start from the time Plan B	<ul style="list-style-type: none"> Technical Memorandum, Reconnaissance-Level Evaluation of ASR and IPR (Pueblo Water Resources, 05/15/15) Soquel Creek Water Districts 2012 IRP, recovery rates ASR Timeline (Pueblo, reformatted by City Staff, June 2015) (found under Technical Information)

	actually begins.	
3. Time Required to Full Scale Production	What is the time required to full scale production? For all Plans, start the clock when the Plan is permitted, has all needed rights and property ownership issues resolved and is ready to proceed.	Portfolio Update MCDS Exercise 22June2015.pdf, Table 24
4. Adaptive Flexibility (includes Scalability)	What benefits in terms of adaptive flexibility is each Plan likely to contribute in the face of external conditions such as climate change, demand levels or streamflow requirements?	Judgement Call
5. Supply Reliability	How likely would each Plan be to improve the reliability of the Santa Cruz water system in the face of different operating conditions such as turbidity, low flows, etc.?	Judgement Call.

6. Supply Diversity (Portfolio Level Only)	How does the Portfolio affect the diversity of Santa Cruz water supply portfolio?	Judgement Call
7. Energy Profile	How much energy does each Plan require? Units are megawatts of energy per million gallons produced, mw/mg expressed as weighted average by Plan.	<ul style="list-style-type: none"> Portfolio Update MCDS Exercise 25June2015 final.pdf Tables https://drive.google.com/open?id=0BxBgn7WDOznXSFljMnI0NndtVUU <ul style="list-style-type: none"> Energy use information is found on line H of tables 10-21. Example of impact and mitigation approach to energy/GHG's: http://www.scwd2desal.org/documents/Draft_EIR/Appendices/AppendixO.pdf
8. Environmental Profile	What is the environmental profile of each Plan? Note: this criterion covers a range of issues and a diversity of Plans. This is a great place to provide details about your rating using the comment button.	<ul style="list-style-type: none"> scwd2 Regional Seawater Desalination Project http://www.scwd2desal.org/documents/Draft_EIR/1-0_Exec_Summ_DEIR.pdf Example of potential environmental issues associated with pipeline construction: North Coast Pipeline Initial Study
9. Regulatory Feasibility	How easy or difficult would the regulatory approval process be for these	See Permits.pdf for potential permits required for infrastructure project.

	Plans?	
10. Legal Feasibility	How easily and within what time period are these Plans likely to obtain the necessary rights in the form needed? When considering a Plan B that would start after a trigger, start the clock at the point at which the trigger actually occurs.	Water Rights for Water Transfer: See page 42 of Task 6 Report 051215 clean.pdf
11. Administrative Feasibility	To what degree do each of the Plans require cooperation, collaboration, financial participation, and/or intergovernmental agreements to succeed? How likely is it that these can be obtained?	Judgement Call
12. Potential for Grants or Special Low Interest Loans for	What is the potential for these Plans to qualify for grants and/or special	Funding Table Final.pdf under Costs

Engineering and/or Construction	low interest loans?	
13. Political Feasibility	What level of political support is each Plan approach likely to have? When rating Plan B, take into account the impacts of additional time and the (hypothetical) failure of Plan A would have on Santa Cruz's political landscape.	Judgement Call
14. Cost Metrics	How much do each of these Plans cost? Metric is annualized unit cost in dollars per million gallons, \$/mg.	<ul style="list-style-type: none"> • Funding Table final.pdf under Costs • Portfolio Update MCDS Exercise 52June2015 final.pdf https://drive.google.com/open?id=0BxBgn7WDOznXSFljMnI0NndtVUU <ul style="list-style-type: none"> • Annualized unit cost can be found on Line I of tables 10-21. • Pages 26, 27 of the following. Note assumptions may differ from current assumptions, including project supply volume. • http://www.scwd2desal.org/documents/Draft_EIR/SCWD2_Community_Guide_05.13.13_web.pdf
15. Trigger – Providing Sufficient Time for Demonstration of Feasibility	Does the trigger allow sufficient time to demonstrate potential for success of Plan A?	Judgement Call
16. Trigger – Avoiding	Does the trigger get initiated soon	Judgement Call

Unnecessary Negative Consequences	enough to avoid unnecessary spending or other adverse consequences?	
17. Trigger – Flexibility to Adapt to Changing Circumstances	Does the trigger strike the right balance of clarity and flexibility?	Judgement Call