

NATIONAL WATER RESEARCH INSTITUTE

Public Meeting on:

Technical Advisory Panel (TAP) for
City of Santa Barbara's Subsurface Desalination Intake and
Potable Reuse Feasibility Studies

Wednesday, August 5, 2015
9:30 am – 12:00 noon

AGENDA

LOCATION

Santa Barbara City Hall, Council Chambers Room
735 Anacapa Street
Santa Barbara, CA 93101
(805) 963-0611

CONTACTS

Jeff Mosher, NWRI
(714) 705-3722 (Mobile)
Jaime Lumia, NWRI
(714) 378-8267 (Office)

Meeting Objectives:

- The City of Santa Barbara and their consultant, Carollo Engineers, will present an overview of the work plans on the (1) Subsurface Desalination Feasibility Study and (2) Potable Reuse Feasibility Study.
- The Technical Advisory Panel will conduct a technical review of the work plans.
- Members of the public will have an opportunity to provide comments on the proposed plans.

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|-------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 9:30 am | Agenda Item #1: Welcome and Introductions | Jeff Mosher, National Water Research Institute (NWRI) |
| 9:35 am | Agenda Item #2: Overview of the Panel Process | Jeff Mosher, NWRI |
| 9:45 am | Agenda Item #3: Presentation on Work Plans on Subsurface Desalination Intake and Potable Reuse | City of Santa Barbara and Carollo Engineers |
| 10:30 am | Agenda Item #4: Questions from Technical Advisory Panel on the Work Plans presented | Moderated by Amy Childress, Ph.D. Panel Chair |
| 11:00 am | Agenda Item #5: Public Comments | Moderated by Jeff Mosher, NWRI |
| 11:50 am | Agenda Item #6: Wrap Up and Next Steps | Moderated by Jeff Mosher, NWRI |
| 12:00 noon | MEETING ADJOURNS | |

This meeting is accessible to the physically disabled. To request a disability-related modifications or accommodation, contact Jaime Lumia at (714) 378-8267 or jlumia@nwri-usa.org at least five business days before the meeting. For more information about this Technical Advisory Panel, go to <http://www.nwri-usa.org/santa-barbara-panel.htm>.

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Purpose: The National Water Research Institute (NWRI), a 501c3 nonprofit, would like to invite interested persons to attend a public meeting (Meeting #1) of an NWRI Technical Advisory Panel (TAP) review of the City of Santa Barbara's work plans on (1) Subsurface Desalination Intake Feasibility Study and (2) Potable Reuse Feasibility Study. This meeting is open for public review and comment.

Background: In 2014, the City of Santa Barbara City Council directed the Public Works Department (City) to report back on a plan to evaluate the feasibility of subsurface desalination intake and potable reuse. The City Council directed the City to report back on a plan for this evaluation after a desalination plant contract was awarded in April 2015. The work products for the Feasibility Studies will be developed to satisfy the requirements of the City's amended Waste Discharge Requirements for the El Estero Wastewater Treatment Plant and support a future update to the City's Long Term Water Supply Plan to include alternatives considered in this study. For more information, visit <http://www.nwri-usa.org/santa-barbara-panel.htm>

Presentations: The City of Santa Barbara will present an overview of the work plans for the (1) Subsurface Desalination Intake Feasibility Study and (2) Potable Reuse Feasibility Study.

Public comment: All interested persons are invited to attend the public meeting to express their opinion on the project. Written comments will also be accepted, but must be submitted by August 12, 2015, to sfaubl@nwri-uwa.org.

For further information: Contact Jaime Lumia, NWRI, at (714) 378-8267 or jlumia@nwri-usa.org or Suzanne Faubl, NWRI, at (714) 378-3278 or sfaubl@nwri-usa.org.

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Technical Advisory Panel (TAP) for City of Santa Barbara's Subsurface Desalination Intake and Potable Reuse Feasibility Studies

About the Technical Advisory Panel

In 2015, NWRI formed a Technical Advisory Panel (TAP) on behalf of the City of Santa Barbara to provide expert peer review of the technical, scientific, and regulatory aspects of both the Subsurface Desalination Intake Feasibility Study and Potable Reuse Feasibility Study. The TAP will review the work products (i.e., draft work plan, technical memos, reports, etc.) for both studies and collect and consider public comments on these proposed projects. The TAP will also consider findings from similar efforts to develop the most informed recommendations.

Technical Advisory Panel Charge

As part of the review, the TAP is expected to provide the following:

- **Objective Review:** The TAP will provide independent, third-party review and evaluation of the Feasibility Studies.
 - **Expert Advice:** The TAP will provide scientific and technical advice by knowledgeable experts in the field.
 - **Direct Support:** The TAP will help address challenging questions and requirements that pertain to the Feasibility Studies.
 - **Timely Guidance:** The role of the TAP is to provide observations and recommendations about the Feasibility Studies and its progress in a timely manner.
 - **Public Input:** The TAP will collect and consider public comments on the studies.
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Panel Members

Panel members are experts in the fields of drinking water management, desalination technology, hydrogeology, water policy issues, and other areas relevant to the study. The panel members are:

- Amy Childress, Ph.D., University of Southern California (Los Angeles, CA) (Chair)
 - Heather Collins, Metropolitan Water District of Southern California (Los Angeles, CA)
 - Martin B. Feeney, P.G., CHG, Consulting Hydrogeologist (Santa Barbara, CA)
 - Heidi R. Luckenbach, P.E., City of Santa Cruz Water Department (Santa Cruz, CA)
 - Eric Zigas, Environmental Science Associates (San Francisco, CA)
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About the Project

In September 2014, the City of Santa Barbara City Council directed the Public Works Department (City) to report back on a plan to evaluate the feasibility of subsurface desalination intake and potable reuse, including indirect and direct potable reuse options. The direction given by the City Council was to report back on a plan for this evaluation following the award of a desalination plant contract in April 2015.

Furthermore, in January 2015, the Central Coast Regional Water Quality Control Board (RWQCB) adopted an amendment to the City's Waste Discharge Requirements for the El Estero Wastewater Treatment Plant that included a condition that the City should report back to the RWQCB by August 2015 with a Work Plan for these studies that will have the work completed by August 2017.

The work products for the Feasibility Studies will be developed to accomplish the following:

- Satisfy the requirements of the City's amended Waste Discharge Requirements for the El Estero Wastewater Treatment Plant.
- Support a future update to the City's Long Term Water Supply Plan to include alternatives considered in this study.

For More Information

NWRI Technical Advisory Panel web page: <http://www.nwri-usa.org/santa-barbara-panel.htm>

City of Santa Barbara's desalination web page:
<http://www.santabarbaraca.gov/gov/depts/pw/resources/system/sources/desalination.asp>

City of Santa Barbara's recycled water web page:
<http://www.santabarbaraca.gov/gov/depts/pw/resources/system/sources/recwater.asp>

CONTACT

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