

From: Howard Johnson [hjohnson@rbrady.net]
Sent: Friday, December 18, 2015 2:46 PM
To: Scott Maloni
Cc: Scott-Roberts, Sandy
Subject: Re: OCWD Desal Distribution Options

Follow Up Flag: Follow up
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Sure you can, that is where the 42" line runs, from Adams & Ranger, west to Brookhurst than goes N. to Yorktown if my memory serves me.

Howard Johnson
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On Fri, Dec 18, 2015 at 12:31 PM, Scott Maloni <SMaloni@poseidon1.com> wrote:

Howard, Thanks helpful. Based on recent talks with the city it doesn't appear the current staff realized they would need to build a pipeline to the site to get their 3,370 AF per year. I'm Trying to figure out if we can serve them up to 10 MGD from a line that OCWD builds, presumably in the Brookhurst - Adams vicinity.

Scott Maloni
[858-XXX-XXXX](tel:858-XXX-XXXX)

On Dec 18, 2015, at 4:42 AM, Howard Johnson <hjohnson@rbrady.net> wrote:

Lets see, the answer to all questions are: yes, yes but and true.

Sorry, its early and I had to do that. TM-1 showed how the project water could be distributed but was not taking all turnouts or facilities to their maximum connected capacity (in most cases). Huntington Beach will need to construct their own pipeline from the plant, with their own booster station to a new pipeline that they will construct per their Master Plan. The original plan (before Poseidon) was for the City to construct a reservoir and booster station on the property they own within the AES Property. Poseidon and the City later agreed to share a single reservoir and Poseidon would build their booster station and give the City an area next to their booster station to design a construct the City's stand alone booster. The City will take (5) CFS from that location. As a secondary method of taking flow, the City could take their 5 CFS from OC-44 or OC-9 or both depending on how the final distribution system is constructed. If OCWD built a pipeline with no turnout between the plant and OCWD's campus, it would have no bearing on HB, they would take their (5) CFS at their booster facility that will be connected to the finished water reservoir.

OC-44 has a capacity of 15+ CFS, we showed in TM-1 just 10 CFS as an example/scenario. OC-44 connection within Huntington Beach is a 42" line so it could take greater flows. The 42" line runs from Adams and Ranger all the way to Peck Reservoir (near Boeing, Springdale and Skylab) and the terminus of OC-35. It also connects the City's (4) major reservoirs.

I hope this answers your questions, if not, ask away. I know its very complicated, and there is so many

scenarios.

Howard

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On Thu, Dec 17, 2015 at 2:50 PM, Scott Maloni <SMaloni@poseidon1.com> wrote:

There is no city pipeline in Newland adjacent to the plant that I'm aware. If that's where the city would want/need to take water then a new pipeline would need to be built.

From: Scott-Roberts, Sandy [mailto:SScott@ocwd.com]

Sent: Thursday, December 17, 2015 2:46 PM

To: 'Howard Johnson'; Scott Maloni

Subject: RE: FW: OCWD Desal Distribution Options

Hi Howard – So just to clarify....I'm looking at Figure 1 in your January 2013 TM 1. It shows 10 cfs to HB hear Adams & Santa Ana River and then a new 5 CFS turnout right at the Poseidon Desal Plant (the one HB agreed to with Poseidon). Are the sum of these two flows – the ones that you are referring to when you say “HB can do 9.7 MGD at the OC-44 location”? Thanks.

Sandy Scott-Roberts, P.E.

Principal Engineer

Orange County Water District

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From: Howard Johnson [mailto:hjohnson@rbrady.net]

Sent: Wednesday, December 16, 2015 12:30 PM

To: Scott Maloni

Cc: Scott-Roberts, Sandy

Subject: Re: FW: OCWD Desal Distribution Options

Hi S & S,

The City can take 15 CFS of continuous flow at both OC-44 and OC-9 (WOCWB Feeder No. 1, Newland and Edinger). So yes, they can do 9.7 million/day at each location.

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On Wed, Dec 16, 2015 at 11:23 AM, Scott Maloni <SMaloni@poseidon1.com> wrote:
Howard - I'm copying Sandy from OCWD above.

Quick question. We met with OCWD staff and board last week to discuss various distribution options. Is it possible for the City of Huntington Beach to take as much as 10 MGD of desalinated water off of a new pipeline that is built in the city and runs up Brookhurst and connects with the OCWD line that injects GWRS water into the Talbert Barrier? (see attached map in Distribution options) I had thought that the City could take as much as 10 MGD off of the connection at Adams to the OC-44 but I thought I heard Sandy say you told her that in order to get that much desalinated water into the city system we'd need to connect up Newland into the West OC water Board feeders.

From: Scott-Roberts, Sandy [mailto:SScott@ocwd.com]

Sent: Friday, November 13, 2015 1:19 PM

To: Scott Maloni; Josie McKinley

Subject: OCWD Desal Distribution Options

Scott/Josie – Attached are the slides I presented at today's meeting. Thanks.

Sandy Scott-Roberts, P.E.

Principal Engineer

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