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**From:** Kunysz,Kathy  
**Sent:** Friday, July 10, 2015 11:26 AM  
**To:** Ti,Mike N  
**Subject:** FW: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

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**From:** Reed, Greg [mailto:Greg.Reed@ladwp.com]  
**Sent:** Wednesday, July 08, 2015 11:48 AM  
**To:** Kunysz,Kathy  
**Cc:** Hsu, Chiun-Gwo (Simon)  
**Subject:** RE: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

Hi Kathy,

Three replacement wells for Mission Wellfield have been drilled and are undergoing pump testing. We expect these wells to be in operation by 2017 after all related infrastructure is installed. Meanwhile, we are working towards turning on the one remaining well to resume pumping from Sylmar Basin.

Recycled water conveyance pipe from Tillman WRP to Hansen SG was constructed in the late 1990's and operated briefly before we received the unfortunate public response and required to discontinue spreading tertiary recycled water.

The advance treatment facility is going through environmental review. I believe the NOP/IS has been released, comment period closed, and now the draft EIR is being prepared.

SFB groundwater remediation program is in concept phase, developing and refining alternatives for environmental review which is set to begin soon.

Four replacement wells for Manhattan Wellfield are being drilled and constructed. We expect these wells to be in operation by 2017 after all related infrastructure is installed.

LADWP did increase its 2014 and 2015 groundwater production due to reductions on the SWP and encouragement from MET to reduce deliveries from that resource. Contaminants are being monitored closely to insure water quality meets regulatory standards, and we may remove wells from service if/when we see spikes in concentrations.

I hope this helps,  
Greg Reed  
LADWP Water Resources  
213-367-2117

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**From:** Kunysz,Kathy [mailto:kkunysz@mwdh2o.com]  
**Sent:** Wednesday, July 08, 2015 11:35 AM  
**To:** Reed, Greg  
**Subject:** FW: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

Hello Greg,  
I have a few more questions regarding the groundwater spreadsheet that we've been discussing.

In Sylmar Basin, are the Mission wells currently under construction or in design?

In San Fernando Basin, can you indicate the current status of the Groundwater Remediation Project. Also, the current status of the recycled water recharge project. Is the recycled treatment facility or the conveyance pipeline to the spreading grounds in place? Permits? For implementation status indicate concept, feasibility, design, construction, existing.

I believe that the Manhattan Wellfield in Central Basin is currently under construction. Is that correct? If not, could you indicate the stage of implementation.

Lastly, did LA's San Fernando Basin gw production spike to 85,000 and 87,000 in 2014 and 2015?

Thanks for your patience.

Kathy

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**From:** Hsu, Chiun-Gwo (Simon) [<mailto:Simon.Hsu@ladwp.com>]

**Sent:** Monday, June 22, 2015 8:59 AM

**To:** Sumi, David H

**Cc:** Hacker, Matthew D; Kunysz, Kathy; Reed, Greg; Yegiazaryan, Heather; Acevedo, Mario; Tsunehara, Yoshiko; Kwan, Delon; Viramontes, Rafael; Almaraz, Jaime; Dugan, Peter

**Subject:** RE: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

David,

Attached is LA's completed homework on both ULARA and Central-West Coast groundwater basins.

Simon

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**From:** Kunysz, Kathy [<mailto:kkunysz@mwdh2o.com>]

**Sent:** Tuesday, June 09, 2015 11:40 AM

**To:** Dugan, Peter; Hsu, Chiun-Gwo (Simon); Kwan, Delon; Viramontes, Rafael; Pettijohn, David; Falcon, Penny; Yegiazaryan, Heather; Reed, Greg; Lacombe, Sarah; [BDoxsee@burbankca.gov](mailto:BDoxsee@burbankca.gov); [AUmphenour@burbankca.gov](mailto:AUmphenour@burbankca.gov); [Rtakidin@GlendaleCA.GOV](mailto:Rtakidin@GlendaleCA.GOV); [CMarcareello@sfcity.org](mailto:CMarcareello@sfcity.org); [TSalazar@sfcity.org](mailto:TSalazar@sfcity.org)

**Cc:** Kunysz, Kathy; Hacker, Matthew D; Sumi, David H; Nevills, Jennifer C

**Subject:** MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

Dear Member Agency and Groundwater Managers and Staff,

Attached are the excel spreadsheets for your agency and groundwater basin showing draft projections for groundwater production and projections of sources and amounts of groundwater recharge in normal and multiple-dry-year situations. This information is being used in Metropolitan's 2015 update of its Integrated Resources Plan. Also attached is a slide from the IRP Member Agency Workshop #1 for Groundwater held on May 27. The slide shows a draft projection of the total regional deficit of groundwater recharge under the multiple-dry-year scenario. As part of this IRP Update, it is our objective to finalize this deficit amount with your input, and to identify strategies and policies to address it. Metropolitan is seeking to ensure that groundwater production is sustainable—groundwater is a significant component of regional water supply reliability.

Where there are multiple member agencies overlying a groundwater basin, we have sent the spreadsheets to all overlying member agencies and to the groundwater basin manager. The intent is for a coordinated review. Please review your spreadsheet(s) carefully **and provide corrections to the production and recharge projections in RED**. Please also list the assumption/rationale for the correction in RED. When reviewing the groundwater production

projections, please note that Metropolitan has assigned groundwater production within a Metropolitan member agency's service area to that member agency. Also, the data is shown by calendar year.

**Please return the modified spreadsheets to David Sumi with copy to Kathy Kunysz and Matt Hacker by Monday, June 22.** If you have questions, please call Kathy Kunysz (213-217-6272) or Matt Hacker (213-217-6756). We will report the adjusted projections at an IRP workshop later this summer.

Thank you,  
Kathy Kunysz  
Program Manager, Groundwater Issues  
Metropolitan Water District of Southern California

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