From: Kunysz, Kathy

Sent: Tuesday, July 14, 2015 10:09 AM

To: Ti,Mike N

Subject: FW: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK **Attachments:** Los Angeles DRAFT RESPONSE (6-19-2015) _updated 7-14-2015.xlsx

From: Sumi, David H

Sent: Tuesday, July 14, 2015 9:34 AM **To:** Kunysz, Kathy; Hacker, Matthew D

Cc: Dugan, Peter; Hsu, Chiun-Gwo (Simon); Viramontes, Rafael; Almaraz, Jaime

Subject: FW: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

Peter, thank you. I'm forwarding the revised GW projections to Kathy Kunysz and Matt Hacker.

David Sumi

From: Dugan, Peter [mailto:Peter.Dugan@ladwp.com]

Sent: Tuesday, July 14, 2015 9:21 AM

To: Sumi, David H

Cc: Hsu, Chiun-Gwo (Simon); Viramontes, Rafael; Almaraz, Jaime **Subject:** RE: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

David.

Attached are revised GW projections. The San Fernando Basin projections are revised down by 15 TAF and 30 TAF in 2023 (from 107,000 to 92,000) and 2024 (from 122,000 to 92,000) respectively, and remain at 92,000 AFY through the end of the projection period. The 30 TAF that was previously accounted for is due to Groundwater Replenishment (GWR) from RW. Since, GWR is accounted for in our RW projections, we are removing it from here to avoid double counting.

Let me know if you have any questions,

Peter Dugan

Water Resources

Los Angeles Department of Water & Power

Office: (213) 367-1192 peter.dugan@ladwp.com

From: Hsu, Chiun-Gwo (Simon) Sent: Monday, June 22, 2015 8:58 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

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; AUmphenour@burbankca.gov;

Rtakidin@GlendaleCA.GOV; CMarcarello@sfcity.org; 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.

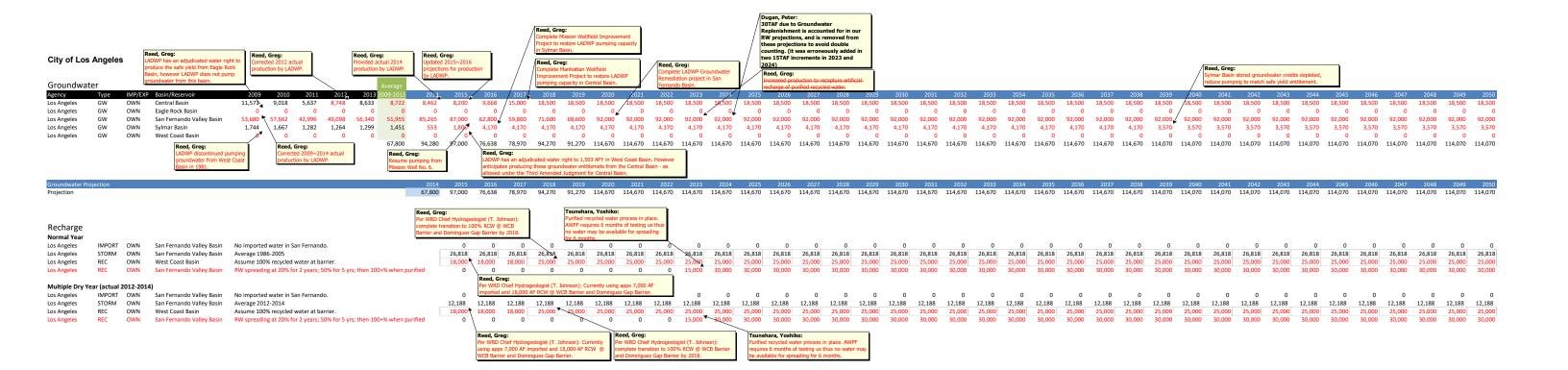
Please return the modified spreadsheets to David Sumi with copy to Kathy Kunysz and Matt Hacker by Monday, June 22. If you have questions, please call Kathy Kunysz (213-217-6272) or Matt Hacker (213-217-6756). We will report the adjusted projections at an IRP workshop later this summer.

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

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