
From: Kunysz,Kathy
Sent: Friday, July 10, 2015 11:32 AM
To: Ti,Mike N
Subject: FW: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK
Attachments: GW Projections (Glendale (06172015).xlsx; ULARA_Basins (06172015).xlsx

From: Takidin, Raja [mailto:RTakidin@GlendaleCA.GOV]
Sent: Wednesday, June 17, 2015 3:32 PM
To: Sumi,David H
Cc: De Ghetto, Michael; Kunysz,Kathy; Hacker,Matthew D; Chan, Leo
Subject: RE: MWD IRP UPDATE: ULARA GROUNDWATER HOMEWORK

Hi David,

Attached are the modified spreadsheets for Glendale. Please let me know if you have a question or concern.

Regards,

Raja Takidin, P.E • City of Glendale • Glendale Water & Power
141 N. Glendale Ave. 4th Floor • Glendale, CA 91206 • (818) 548-3906 • rtakidin@glendaleca.gov



From: Kunysz,Kathy [mailto:kkunysz@mwdh2o.com]
Sent: Tuesday, June 09, 2015 11:40 AM
To: Peter.Dugan@ladwp.com; Simon.Hsu@LADWP.com; delon.kwan@ladwp.com; Rafael.Viramontes@ladwp.com; David Pettijohn - LADWP (david.pettijohn@ladwp.com); Penny.Falcon@ladwp.com; Heather.Yegiazaryan@LADWP.com; greg.reed@ladwp.com; Sarah.Lacombe@ladwp.com; BDoxsee@burbankca.gov; AUmphenour@burbankca.gov; Takidin, Raja; 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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City of Glendale

			Average																																										
Agency	Type	IMP/EXP Basin/Reservoir	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	
Glendale	GW	OWN Verdugo Basin	1,772	1,422	1,581	1,579	1,284	1,528	1,299	1,102	1,738	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	2,566	
Glendale	GWR	OWN San Fernando Basin	6,799	7,839	6,618	7,526	6,780	7,112	5,992	6,936	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259	7,259
Glendale	GWR	OWN Verdugo Basin	507	410	368	337	216	307	-	434	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484	484
Groundwater Production																																													
Requirements			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050						
Average			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500			
New wells:																																													
Rochawen - 500gpm (expected online 2016)			-	-	738	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807	807		
			2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160		

Recharge
 Recharge for Glendale is included in LA projection.

