From:	Clarke Miller
To:	Paul Mitchell (pmitchell@esassoc.com)
Cc:	Joyce Hsiao (joyce@orionenvironment.com); Kern, Chris (CPC); Bollinger, Brett (CPC); Kate Aufhauser (kaufhauser@warriors.com); Sravan Paladugu; mary@orionenvironment.com
Subject:	FW: Request for Clarification on GSW Project Water Demand
Date:	Tuesday, January 13, 2015 1:05:41 PM

Paul et al.,
Please see BKF's response below. I've copied Sravan from BKF if you have any follow-up questions.
Thanks,
Clarke

From: Sravan Paladugu [mailto:spaladugu@bkf.com]
Sent: Tuesday, January 13, 2015 12:09 PM
To: Clarke Miller
Cc: 'Kate Aufhauser (kaufhauser@warriors.com)'; Ed Boscacci; Jacob Nguyen
Subject: RE: Request for Clarification on GSW Project Water Demand

Clarke,

Comparing 0.100 mgd from November 14,2014 Memo with 0.164 mgd from January 09, 2015 report is not apples to apples comparison for the following reasons,

1) The 0.100 mgd is an "**annual average**" whereas 0.164 mgd is a "**daily average during event at full capacity**". SFPUC, in the meeting on Jan 8th asked us to provide daily average specifically for the purpose of sewer pump station sizing. The annual average of 0.100 mgd should be used when evaluating water supplies in the regional water system. The 0.164 mgd is purely for facility sizing and should not be used for evaluating water supplies.
2) The 0.100 mgd is adjusted for code whereas 0.164 is not adjusted for code.

Hope this clarifies their questions.

Thanks,
Sravan
650-482-6313

From: Clarke Miller [mailto:CMiller@stradasf.com]
Sent: Tuesday, January 13, 2015 11:42 AM
To: Sravan Paladugu; Ed Boscacci; Jacob Nguyen
Cc: Kate Aufhauser (kaufhauser@warriors.com)
Subject: FW: Request for Clarification on GSW Project Water Demand

BKF, please weigh in on the question below.
Thanks,
Clarke

From: Paul Mitchell [mailto:PMitchell@esassoc.com]
Sent: Tuesday, January 13, 2015 11:36 AM
To: 'Kate Aufhauser'

Cc: Joyce; Mary; Chris Kern (chris.kern@sfgov.org); Brett Bollinger; Clarke Miller
Subject: Request for Clarification on GSW Project Water Demand

Kate:

We are requesting clarification from the sponsor team regarding the issue of project water demand.

If you recall, based on the November 14, 2014 BKF Water Demand Memorandum, the Initial Study reported that that estimated water demand for the GSW project would be 0.100 mgd (as adjusted for Code). The Initial Study also reported that there would be adequate water supplies in the regional water system to serve an estimated 0.109 mgd of water demand for the project and cumulative demands. Because the estimated demand of 0.100 mgd was less than this amount, the Initial Study concluded that impacts related to having an adequate water supply were less than significant.

However, Mary McDonald from Orion noticed that the January 9, 2015 BKF Water and Sewer Analysis (See Table D, page 9) reports the proposed project would generate an average water demand of 0.164 mgd. It is unclear an apples to apples comparison can be made from the 0.100 mgd water demand estimate in the November 14, 2014 BKF Water Demand Memorandum with the 0.164 mgd estimate in the January 9, 2015 BKF Water and Sewer Analysis, so we are requesting clarification from you on this. Are there different assumptions or methodologies being used to derive these esimates? If those, would you please provide appropriate documentation explaining the difference?

Thanks, and please feel free to contact me with any questions.

Paul Mitchell
ESA | Community Development
550 Kearny Street, Suite 800
San Francisco, CA 94108
415.896-5900 | 415.896-0332 fax
pmitchell@esassoc.com

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