From: Phil
To: Terrie Gillen
Subject: Conservation table
Date: Tuesday, September 13, 2022 1:15:06 PM
Attachments: Conservation table.png

Hi, Terrie,

If possible, will you please include this table in the Board's packet for today's 5:00 meeting on water supply assessment?

Demand Management/Conservation Cost Estimate Summary

Alternative	Option 1A: Reduce Leaks by 25%	Option 1B: Reduce Leaks by 50%	Option 2A: Replace 25% of Lawns	Option 2B: Replace 50% of Lawns
Capital Cost	$5,500,000	$5,500,000	$5,500,000	$5,500,000
Annual O&M Cost	$2,000,000	$4,000,000	$1,350,000	$2,700,000
Total Annualized Cost	$2,550,000	$4,550,000	$1,900,000	$3,250,000
Yield, AFY	500	1000	1000	2000
Cost per AFY	**$5,100**	**$4,550**	**$1,900**	**$1,625**

Note 1: Numbers are placeholders; actual numbers have yet to be provided
Note 2: All options include installation of 55,000 Flume devices @ $100 as part of capital cost

Thank you!

Phil Sotter
Woodacre

From:	Jennifer O"Mara
To:	Board Comment
Cc:	Jack Gibson; Cynthia Koehler
Subject:	Strategic Water Supply Assessment - Supply Side Option - Wells, Springs
Date:	Tuesday, September 13, 2022 3:18:08 PM

Dear Director Kohler and Director Gibson,

I just reviewed today's Special Meeting Strategic Water Supply Assessment presentation. This is a quick comment on a Supply Side Option that may be worth exploring by MMWD.

Supply Side Option – Water Systems fed by wells/enhanced springs.

Has anyone sat through a presentation on the history of wells/enhanced springs in Marin? It appears that our mountains are well made for capturing, storing, and tapping groundwater. And there is a significant amount of this water-infrastructure sitting dormant or in operation at sub-par levels today.

These water systems could be a meaningful source of water. Especially at the price per AF MMWD is looking at in the future. Some are in operation today but operating at a sub-par level. Others have been abandoned or are in serious disrepair. Many were – and could be again - productive enough to support multiple large water storage tanks.

- One recent example is the Town of San Anselmo recently re-established its well at Creek Park and connected it to the Creek Park, Town Hall, and Imagination Park irrigation systems.

Water Tanks for Fire Fighting. An additional benefit is that many of these systems previously fed large water tanks on hillsides, which could be a dual-purpose source of water for both irrigation and a tool in critical fire risk areas.

Does MMWD even have a partial inventory of these wells? Has joint development/rehabilitation opportunities been explored? It would be nice to see this local asset be developed.

Respectfully,
Jennifer O'Mara

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Jennifer O'Mara, CFA, CFE