San Benito County Water District

Groundwater Sustainability Agency

Technical Advisory Committee

November 4, 2020 2:00-4:00

Join Zoom Meeting

Zoom Meeting:
https://zoom.us/j/94143928342?pwd=WmZ4L1ozaCtUOEpKMDZ2VHVnK2xZdz09
Meeting ID: 941 4392 8342
Passcode: 275654

Or dial by your location:	1 669 900 9128 Meeting ID: 941 4392 8342 Passcode: 275654

TODD GROUNDWATER

Agenda

1. Roll call
2. Review of objectives for today's meeting
3. Measuring Groundwater Use: LandIQ Proposal
4. Measuring Groundwater Use: Meters
5. Measuring Groundwater Use: ConserWater Proposal
6. Discussion
7. Next steps and upcoming meetings

Objectives for Today

- Receive information on 3 alternatives to measure groundwater use
- Consider factors:
  1. Accuracy and reliability relative to purpose
  2. Costs and allocation of cost, GSA and well owner
  3. Feasibility of implementation, timing to implement
  4. Ease of ongoing data collection, maintenance
  5. Well owner acceptability and cooperation
  6. Other benefits? Other costs?
- Identify outstanding issues, questions, concerns

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Aadith Moorthy, Conserwater

In-line metering: how it might work (1)

SBCWD develops well metering program:

- Metering resolution/ordinance
- Metering rules and regulations
- Well inventory and registration
- Meter documentation and recording
- Meter reading
- Meter testing

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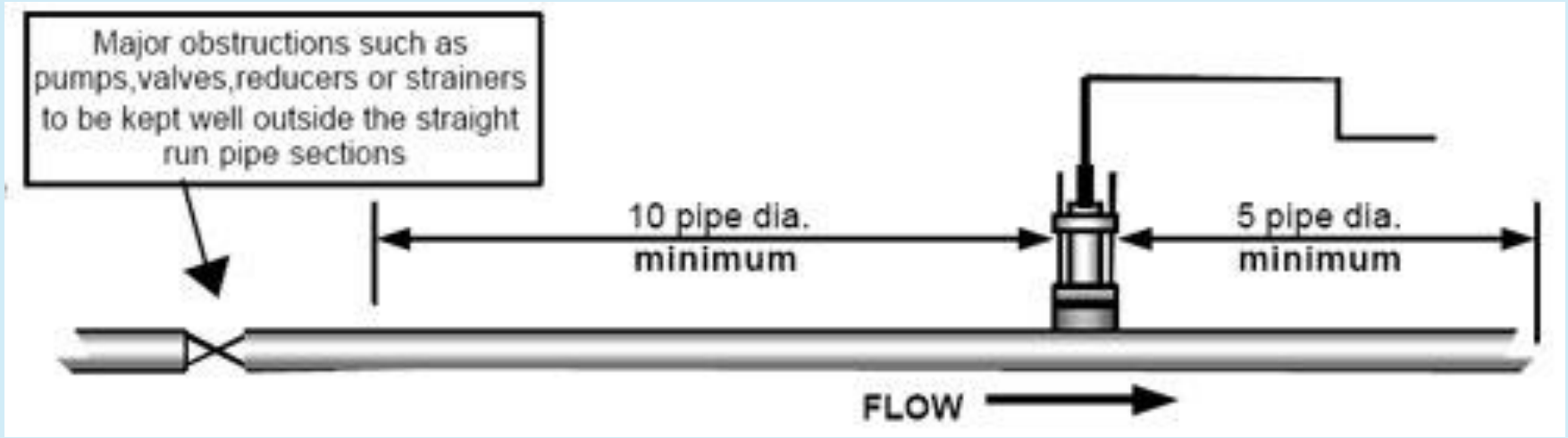
In-line metering: how it might work (2)

SBCWD oversees meter program implementation:

- Informs well owners of well metering requirements, deadline to comply, protocols and procedures for metering and reporting
- Identifies / designates acceptable meters for installation and qualified installers specs?
- Reviews installations
- Well owners arrange / pay for meter installation



In-line metering: how it might work (3)

Reporting is conducted on quarterly basis

- District staff read meters on regular rounds or self reporting with SBCWD regular verification
- Well owner is responsible for meter maintenance, testing, and repair etc.
- SBCWD quarterly and annual compilation, QA/QC

Estimated costs: in-line well metering program

Item	Estimated cost	Who is responsible
Program development	$10 k to $100 k	SBCWD
Meter cost with installation	$4,000 to $7,000	Well Owner
Meter reading	120 hrs/event	SBCWD
Self reporting / verification	Qtrly-1 hr/owner/yr Mthly-3 hrs/owner/yr	Well Owner/SBCWD
Program administration	$10 to 40 k/yr	SBCWD

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In-line metering summary

Pros

- Direct measurement of pumping
- Relatively accurate with regular checking/maintenance
- Understood by well owners
- Growers have direct access to pumping data

Cons

- May not be readily accepted by owners, slow implementation
- Requires well access, installation
- Meter cost for well owner
- SBCWD staff time, access to meter

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Joel Kimmelshue, LandIQ

Plan Development Related Expenses and Annual Costs

- Plan Development
  - Total - $3,134,000
  - Grant Reimbursement - $2,000,000
  - Net to recover - $1,134,000
- Annual Admin. Costs
  - District - $230,000
  - Consultant - $100,000
  - Groundwater Extraction Measurement - $140,000? “not incl. in annual estimate”
- Total Annual $ To Recover Plan Development and Annual Costs Over 5-Years – Approx. $600,000

Options For Collecting Fees

- Land Based, $/ac “Ag” “Urban ?”
- Consumption Based, $/ac-ft “Urban and Ag”
- Flat Fee, $/parcel AG or $/Urban connection
- Hybrid-1, Base Rate/parcel + $/ac-ft
- Hybrid-2, $/Rural and Ag parcel + $/Urban connection

Avoid State intervention

If the GSA does not impose fees, and as a result, cannot complete and implement the GSP, the state could intervene and impose fees

Fee Category	Fee Amount	Applicable Parties
Base Filing Fee	$300 per well	All extractors required to report (not de minimis)
Probationary Rate	$40 per AF	Extractors in probationary basins (not de minimis)
De minimis Fee	$100 per well	De minimis extractors in probationary basins
Automatic Late Fee	25% per month	Extractors that do not file reports by due date

Discussion

Next Steps

Topics for Next TAC meeting

- Update on Round 3 Monitoring and Managed Aquifer Recharge
- Projects and Management Actions
- Implementation and Funding

GSP Overview

2021

2020

2019

2018

TAC Meetings

Plan Development

Adoption hearing

Draft GSP workshop

Management Actions / Monitoring

Implementation workshop

Round 3 Monitoring Wells MAR

Sustainability Criteria

Management actions workshop Jan xx 2021

Management Areas / Water Budgets

Water Budget/Sustainability workshop Sep 23 2020

Hydrogeologic Conceptual Model / Groundwater

GW Conditions workshop June 18 2019

Data Compilation / Data Management System

Kickoff workshop Nov 14 2018

Plan Area / Institutional Setting

Stay tuned

SBCWD Board of Director's Meeting	November 18, 2020 5:00pm
Next TAC Meeting:	?? 2021
San Benito Public Agencies Workshop: GSP Overview	December 9, 2020
Public Workshop No. 3 Management Actions and Strategies for Sustainability	TBA January ? 2021

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