

UKIAH VALLEY BASIN GROUNDWATER SUSTAINABILITY AGENCY

501 Low Gap Rd., Rm. 1010 ♦ Ukiah ♦ California 95482 ♦ (707)463-4441 ♦ fax (707)463-7237

NOTICE OF MEETING

NOTICE IS HEREBY GIVEN that the Ukiah Valley Basin Groundwater Sustainability Agency ("Agency") Board of Directors ("Board") will hold its regular Board Meeting at:

1:30 P.M. - Thursday, March 12, 2020 Mendocino County Board of Supervisors Chambers, 501 Low Gap Road, Room 1070, Ukiah, CA 95482

AGENDA

- 1. CALL TO ORDER AND ROLL CALL
- 2. PLEDGE OF ALLEGIANCE
- 3. STAFF UPDATES
- 4. PUBLIC COMMENTS ON ITEMS NOT ON THE AGENDA

The Board will receive public comments on items not appearing on the agenda and within the subject matter jurisdiction of the Agency. The Board will not enter into a detailed discussion or take any action on any items presented during public comments. Such items may only be referred to staff for administrative action or scheduled on a subsequent agenda for discussion. Persons wishing to speak on specific agenda items should do so at the time specified for those items. The presiding Chair shall limit public comments to three minutes.

5. ACTION ITEMS

a. Discussion and Possible Action Regarding Member Agency Dues for Fiscal Year 2020-2021

The Board will review the current financial status of the Agency and consider due for Fiscal Year 2020-2021 to fund the Agency administration as the Groundwater Sustainability Plan is developed.

b. Update and Discussion Regarding Proposition 68 Solicitation for Groundwater Sustainability Plan Development and Projects

The Board will receive an update on Proposition 68 grant solicitation.

c. Presentation, Discussion and Possible Action Regarding the Development of Sustainability Goals



UKIAH VALLEY BASIN GROUNDWATER SUSTAINABILITY AGENCY 501 Low Gap Rd., Rm. 1010 ♦ Ukiah ♦ California 95482 ♦ (707)463-4441 ♦ fax (707)463-7237

The Board will receive an introduction to the development of sustainability goals for the Ukiah Valley Basin Groundwater Sustainability Plan.

d. Update and Discussion Regarding the Technical Advisory Committee's Groundwater Interaction Working Group

The Board will receive an update on the Technical Advisory Committee's working group.

6. DIRECTOR REPORTS

7. ADJOURNMENT

The Ukiah Valley Basin Groundwater Sustainability Agency complies with ADA requirements and upon request, will attempt to reasonably accommodate individuals with disabilities by making meeting material available in appropriate alternative formats (pursuant to Government Code Section 54953.2). Anyone requiring reasonable accommodation to participate in the meeting should contact the Mendocino County Executive Office by calling (707) 463-4441 at least five days prior to the meeting.

Please reference the Mendocino County website to obtain additional information for the Ukiah Valley Basin Groundwater Sustainability Agency: http://www.mendocinocounty.org/uvbgsa



Item No.:	6.a
Date:	3/12/20
To:	Board of Directors
Subject:	Discussion and Possible Action Regarding Member Agency Dues for Fiscal Year
	2020-2021
Cons	sent Agenda 🗌 Regular Agenda 🛛 Noticed Public Hearing 🔲

Summary:

The board will review the current financial status of the Agency and consider dues for Fiscal Year 2020-2021 to fund the Agency administration as the Groundwater Sustainability Plan is developed.

Recommended Action:

Approve the assessment for three thousand dollars (\$3,000) in dues for member agencies to fund the Agency for Fiscal Year 2020-2021 and 2021-2022.

Background:

In order to provide the needed capital to initially fund the Agency, there was a contribution from Members Agencies in the amount of five thousand dollars (\$5,000). The Joint Powers Agreement (JPA) section 15.2 allows the Agency to be funded through additional contributions by all members of the Agency.

The current amount in the trust account is \$7,678.64. Based on projections for the end of the fiscal year, staff believes there will be an account balance of \$3,700. Additional funding will be needed for next fiscal year. In March 2020, the Groundwater Sustainability Plan (GSP) Financial Evaluation process will start. The evaluation will provide recommendations on long-term funding options for plan implementation.

Staff recommends the member agencies provide contributions of \$3,000 to fund the GSA for the next two fiscal years. Allowing for the completion of both the GSP Financial Evaluation and adoption of the GSP. If approved, the member agencies will receive an invoice of \$3,000 at the start of next fiscal year (July 2020).



Fiscal Summary: N/A		
Action:		
Motion:	2nd:	



03/06/2020 12:22 clarkj

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Item No.:	6.b
Date:	3/12/20
To:	Board of Directors
Subject:	Update and Discussion Regarding Proposition 68 Solicitation for Groundwater Sustainability Plan Development and Projects
Cons	sent Agenda 🗌 Regular Agenda 🛛 Noticed Public Hearing 🔲

Summary:

The Board will receive a presentation regarding Proposition 68 grant application to support the development of the Ukiah Valley Groundwater Sustainability Plan.

Recommended Action:

Receive update regarding the Proposition 68 solicitation for Groundwater Sustainability Plan development and projects.

Background:

On May 3, 2019, DWR released the Draft SGM Grant Program Proposition 68 2019 Guidelines and Planning Grant - Round 3 Proposal Solicitation Package (PSP) to conduct the third SGM Planning Grant solicitation in mid-May to make approximately \$47 million available for competitive grants.

The Proposition 68 SGM Implementation Grant solicitation is anticipated to open in early 2020. At least \$88 million will be available for competitive grants for projects that address drought and groundwater investments.

The Proposition 68 solicitation was be released on September 9, 2019 and was slated to close on November 1, 2019. Due to the fires in Northern California and the widespread Public Safety Power Shutoff the Governor declared a statewide emergency resulting in DWR extend the submission date to November 15 at 1pm.

The Mendocino County Water submitted an application for funding. The Ukiah Valley Basin GSP Development Support application is recommended for full funding in the amount of \$1,23,800.



Fiscal Summary: N/A		
Action:		
Motion:	2nd:	



Item No.: 6.c Date: 3/12/20 To: Board of Directors Subject: Presentation, Discussion and Possible Action Regarding the Development of Sustainability Goals Consent Agenda Regular Agenda Noticed Public Hearing Summary: The Board will receive an introduction to the development of sustainability goals for the Ukial Valley Basin Groundwater Sustainability Plan. Recommended Action: Receive presentation regarding sustainability goals and provide direction to staff. Background: On June 14, 2018, the Ukiah Valley Basin Groundwater Sustainability Agency (UVBG recommended approval of a contract with Larry Walker and Associates for the development the Ukiah Valley Groundwater Sustainability Plan (GSP). On July 10, 2018, the Mendoc County Water Agency Board of Directors approved the contract with Larry Walker and Associates I Larry Walker and Associates presents to the Board on a regular basis to review components of GSP for feedback and approval. LWA will provide a GSP update and review the sustainability go development process. Fiscal Summary: N/A	On June 1 recommend the Ukiah County Walk GSP for feed development.	4, 2018, the Ukiah Valley Basin Groundwater Sustainability Agency (UVBGSA) ded approval of a contract with Larry Walker and Associates for the development of Valley Groundwater Sustainability Plan (GSP). On July 10, 2018, the Mendocino ter Agency Board of Directors approved the contract with Larry Walker and Associates. er and Associates presents to the Board on a regular basis to review components of the dback and approval. LWA will provide a GSP update and review the sustainability goals nt process.
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Date: 3/12/20 To: Board of Directors		Sustainability Goals
Item No.: 6.c	Го:	
		3/12/20



	2nd:
Action:	
Fiscal Sun	nmary: N/A
	eeting of the working group was on February 24, 2020. Larry Walker and Associates an update on the working group progress.
group on th	ne groundwater/surface water interaction. The working group includes the following ers: Laurel Marcus, Marcus Trotta, Sean White, and Mike Webster.
Backgroun	nd: ary 9, 2020 Technical Advisory Committee (TAC) meeting, the TAC created a working
-	coup and provide direction to staff.
	ended Action: sentation regarding the Technical Advisory Committee's Groundwater Interaction
The Board	will receive an update on the Technical Advisory Committee's working group.
Summary	:
Cons	sent Agenda Regular Agenda Noticed Public Hearing
Subject:	Update and Discussion Regarding the Technical Advisory Committee's Groundwater Interaction Working Group
To:	Board of Directors
Date:	3/12/20
Item No.:	6.d

Ukiah Valley Basin Groundwater Sustainability Agency Board Meeting

Discussion Regarding the Development of Sustainability Goals for Ukiah Valley Groundwater Basin

March 12, 2020



Agenda

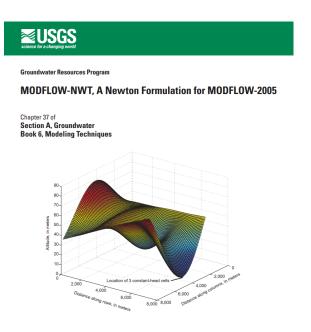
- GSP Development: technical work update
- Review of Sustainable Management Criteria (SMC)
 - What will our process look like?
- Sustainability Goal → Group discussion



Integrated model updates

- MODFLOW updates
 - Newton Solver (NWT) → needed for GSFLOW coupling.
 - Unsaturated zone flow (UZF) → needed for GSFLOW coupling.
 - Initial calibration → refined hydraulic properties and water budgets prior to coupling with GSFLOW.
 - Review CLSI continuous well data → Inform temporal water-level trends



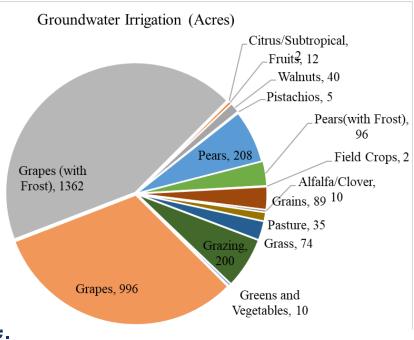




Integrated model updates

PRMS updates

- Inclusion of ponds → improved representation of SW diversion timing.
- Review CLSI tributary stream gage data → Informs wet/dry behavior of tributaries.
- Updated irrigation patterns based of previous meeting was implemented and will be used for the Ag Package.



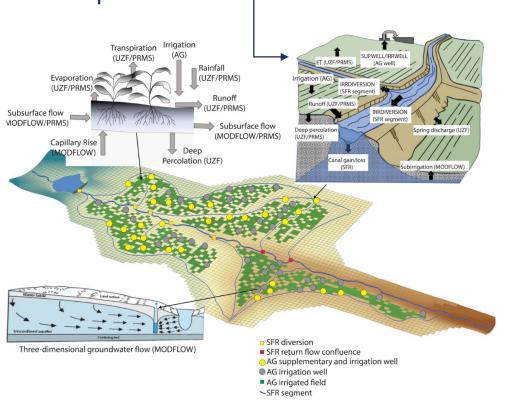
	No Frost l	Protection	With Frost	t Protection	Total	
	Groundwater Surfae Water		Groundwater	Surface Water	Groundwater	Surfae Water
Cranas	996	3005	1362	3074	2357	6079
Grapes	11.8%	35.6%	16.1%	36.4%	27.9%	72.1%
Doors	208	395	96	455	304	850
Pears	18.0%	34.3%	8.4%	39.4%	26.3%	73.7%



Integrated model updates

- GSFLOW updates
 - Migrating MODFLOW and PRMS to GSFLOW executable

 Acquisition of GSFLOW Ag. Package from USGS → Currently reviewing workflow and capabilities. —

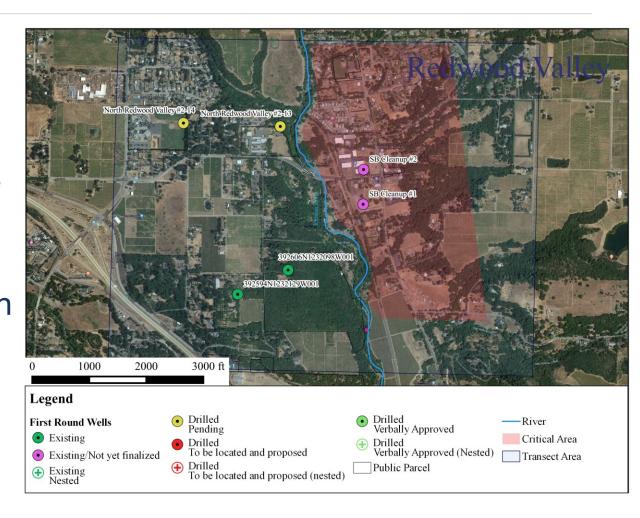


Surface Water Working Group update

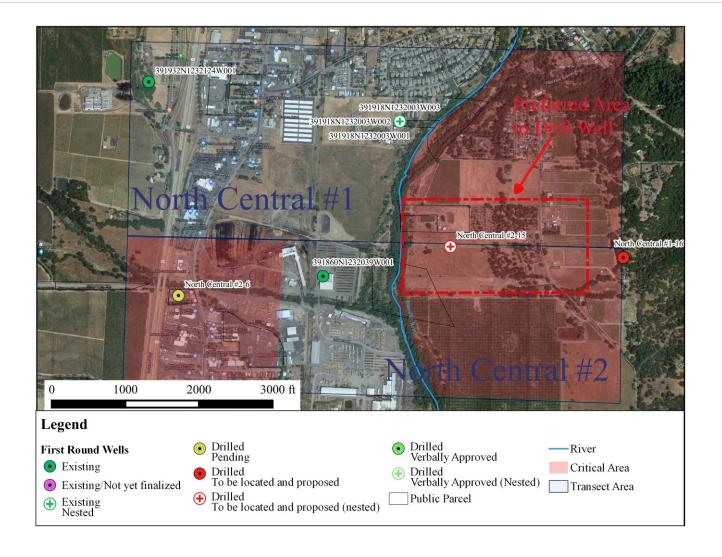
- Leverage local expertise to inform development of "interconnected surface water" SMC
- 1st Meeting 2/24/2020
 - Definitions of a "healthy" and "unhealthy" surface water system
 - Identifying existing studies and data sets
 - Options for prioritizing monitoring locations and data collection
 - Develop a plan for future SW Working Group meetings

TSS and continuous measurements

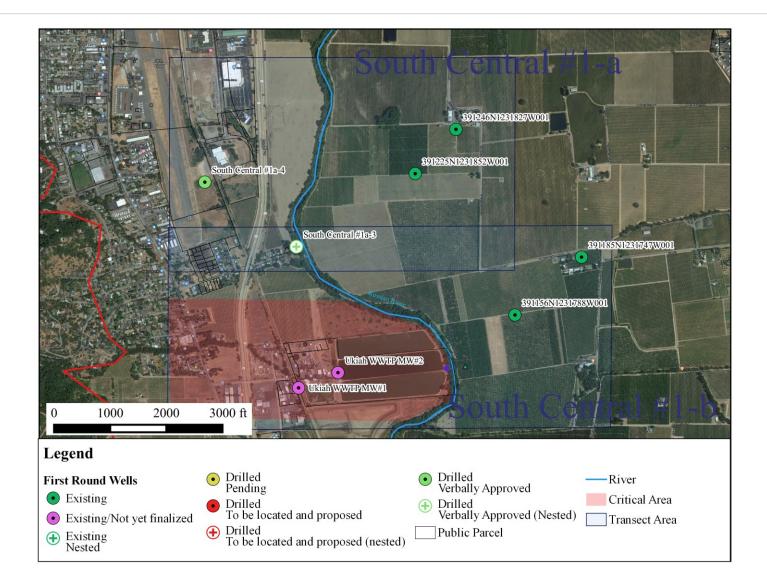
- First round of wells are identified.
- Agreements are being pursued.
- First visit to be made late March and instrumentation begin in April.



TSS and continuous measurements



TSS and continuous measurements



Overview of GSP Structure

A GSP has five chapters:

1. Introduction



2. Plan Area and Basin Setting



3. Sustainable Management Criteria



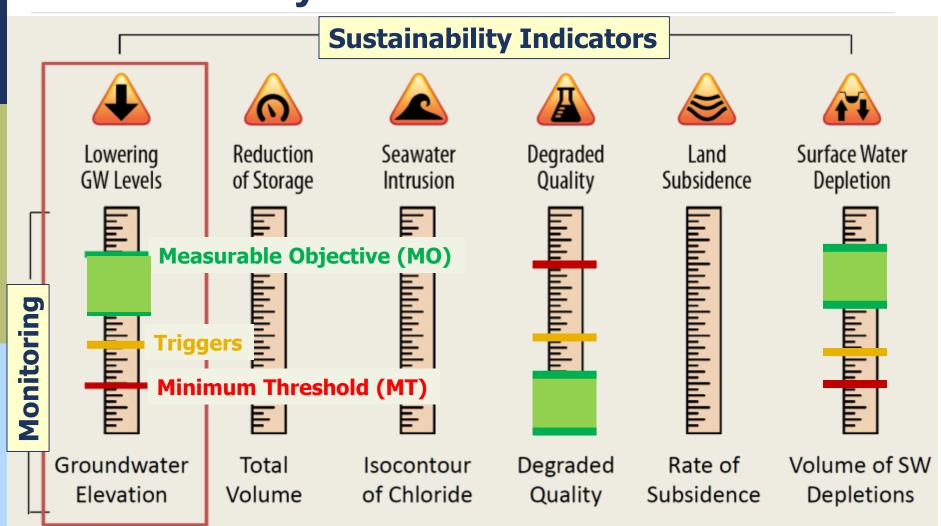
4. Projects and Management Actions



5. Plan Implementation



GSP: Monitoring and Managing Sustainability



Review of Sustainable Management Criteria Components

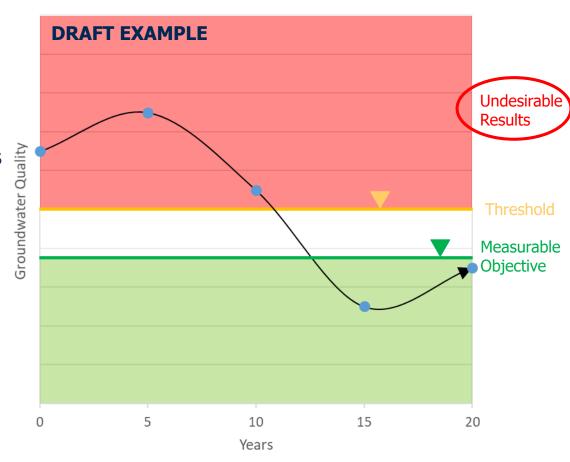
- Undesirable Results
- MinimumThresholds
- MeasurableObjectives
- SustainabilityGoal



Review of Sustainable Management Criteria Components

Undesirable Results

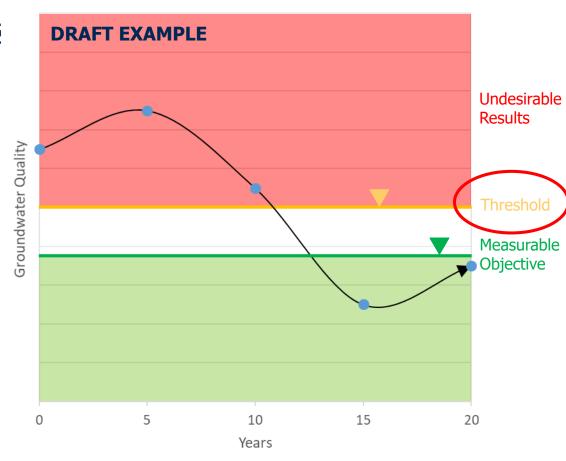
- Must be "Significant and Unreasonable"
- Statement that
 describes conditions
 that we do not want
 to happen
 Defined for each
- Defined for each sustainability indicator
 - (e.g. groundwater levels, groundwater quality, etc.)



Review of Sustainable Management Criteria Components

Minimum Thresholds

- Anything worse is considered an "undesirable result"
- The lowest a basin can go without something significant and unreasonable happening to groundwater



Review of Sustainable Management Criteria Components

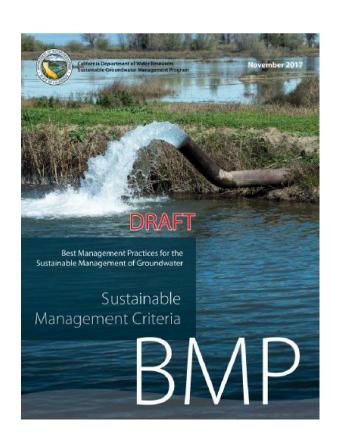
MeasurableObjectives

- A management target that provides a usable buffer for use during droughts, etc.
- Establishes the upper targeted boundary for basin management
- Should provide a reasonable margin of operational flexibility



Related SGMA Activities that Inform Sustainable Management Criteria

- Understand the basin setting:
 - Hydrogeologic conceptual model
 - Current and historical conditions
 - Estimated water budget
 - Potential management areas
- Inventory existing monitoring programs and evaluate and build potential representative monitoring points
- Engage interested parties (i.e. beneficial uses and users of groundwater)



Proposed SMC Development Process

- Assess which of the six sustainability indicators are applicable for the Ukiah Valley Groundwater Basin
- Develop narrative (qualitative) descriptions of what constitutes significant and unreasonable conditions (i.e. locally unacceptable conditions)
- Translate narrative descriptions into quantitative values = undesirable results and minimum thresholds
- Determine desirable conditions = measurable objectives
- Set interim milestones in order to achieve measurable objectives
- Define an overarching sustainability goal

Proposed SMC Development Process

What thermometer looks like?

Which undesirable results are controversial?

Technical team will summarize existing data and describe options

Advisory
Committee to
propose SMC for
each undesirable
result (UR)

Culmination of Process and Next Steps

- GOAL: Ukiah Valley Sustainable Management Criteria developed
 - Issues around each topic (indicator) identified and explored
 - Interests of beneficial uses and users considered
 - Measurable objectives, triggers, thresholds, and interim milestones defined
 - Buy in to overarching sustainability goal
- Technical GSP pieces complete (e.g. hydrology)
- Groundwater management responses developed if triggers or thresholds are crossed (next phase of work)
- Stakeholder communication and engagement throughout entire process

Preliminary SMC Development Schedule

March 2020

- Sustainability goal
- Water Quality SMC: Build thermometer, what's healthy/what's unhealthy

May 2020

- Water quality SMC: Refine discussion as needed, focus on scenarios and actions, close on the thermometer
- Subsidence SMC: Build the thermometer, what's healthy and what's unhealthy → quick discussion
- SW depletion SMC: terrestrial GDEs → Build thermometer, what's healthy/what's unhealthy

July 2020

 SW depletion SMC: SW/GW interactions → Build thermometer, what's healthy/what's unhealthy

Questions and Comments

Initial Exploration of a Sustainability Goal

Key SGMA text (GSP Emergency Regulations 354.24)

"Each agency shall establish in its Plan a sustainability goal for the basin that culminates in the absence of undesirable results"

Initial Exploration of a Sustainability Goal

1. If groundwater is sustainably managed in Ukiah Valley, what has it achieved and what does it look like?

2. What does the worst-case scenario look like in Ukiah Valley if groundwater is not managed sustainably?

3. Give us your perspective but also think about how others view the issue?

Examples of Sustainability Goals from Other GSPs

Mid-County Santa Cruz GSP:

- Manage the groundwater Basin to ensure beneficial uses and users have access to a safe and reliable groundwater supply that meets current and future Basin demand without causing undesirable results to:
 - Ensure groundwater is available for beneficial uses and a diverse population of beneficial users;
 Protect groundwater supply against seawater intrusion;
 - Prevent groundwater overdraft within the Basin and resolves problems resulting from prior overdraft;
 - Maintain or enhance groundwater levels where groundwater dependent ecosystems exist;
 - Maintain or enhance groundwater contributions to streamflow;
 - Support reliable groundwater supply and quality to promote public health and welfare;

Examples of Sustainability Goals from Other GSPs

Mid-County Santa Cruz GSP (cont.):

- Manage the groundwater Basin to ensure beneficial uses and users have access to a safe and reliable groundwater supply that meets current and future Basin demand without causing undesirable results to:
 - Ensure operational flexibility within the Basin by maintaining a drought reserve;
 - Account for changing groundwater conditions related to projected climate change and sea level rise in Basin planning and management;
 - > Do no harm to neighboring groundwater basins in regional efforts to achieve groundwater sustainability.

Salinas GSP:

• The goal of this GSP is to manage the groundwater resources of the 180/400-Foot Aquifer Subbasin for long-term community, financial, and environmental benefits to the Subbasin's residents and businesses. This GSP will ensure long-term viable water supplies while maintaining the unique cultural, community, and business aspects of the Subbasin. It is the express goal of this GSP to balance the needs of all water users in the Subbasin.

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Questions?

Thank you!