North Kings GSA Special Advisory Committee Meeting 5-3-2024

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

AGENDA

1. Call to Order
   - Teleconference Instructions For Members of the Public

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

Written and Verbal Comments

Members of the public are encouraged to participate in the Advisory Committee and will have an opportunity to provide public comments during the meeting under Agenda Item No. 2 and following each agenda item discussion. No prior arrangements are required to be able to make public comment but comments are limited to three (3) minutes.

Written Comments can also be provided up to one hour prior to the scheduled meeting. Written comments received in advance of the meeting will be read onto the record during the public comment portion when the item is heard. Any portion of your comment extending past three (3) minutes may not be read aloud due to time restrictions but will be made part of the record of proceedings.

AGENDA

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

2. Public Presentation

AGENDA

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

3. Approval of Minutes:

- a. Discussion/Possible Action – April 12, 2024 Meeting Minutes

AGENDA

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

4. Financial Report:

- a. Discussion/Possible Action – Recommend Approval of Expense Report – March 2024
- b. Discussion / Possible Action – Recommend Approval of the Financial Statements as of March 31, 2024
- c. Discussion / Possible Action – Revised Fiscal Year 2023-2024 Budget
- d. Interested Party Invoices

AGENDA

4.c Revised FY 2023-2024 Budget

- Recommend Approval based on current and future expenses through June 30, 2024.
  - $58,775.00 Less Expenses
  - Earmark Savings for Domestic Well Mitigation Program – First Year Expenses

North Kings Groundwater Sustainability Agency — ATTACHMENT A
Statement of Revenues, Expenses, and Changes in Net Position

	Jul '23 - Mar '24 Actual	5/25/2023 Approved 2023-2024 Budget	% of Budget	3/28/2024 Proposed 2023-2024 Budget	% of Budget
Operating Income/Expense					
Income					
Interested Party Contribution	7,113.20	7,363.20	97%	7,113.20	100%
Grants Income	0.00	0.00	0%	0.00	0%
Member/Contracting Entity					
Bakman Water Company	1,449.85	1,449.85	100%	1,449.85	100%
Biola Community Services Distr	56.23	56.23	100%	56.23	100%
City of Clovis	12,083.24	12,083.24	100%	12,083.24	100%
City of Fresno	62,371.19	62,371.19	100%	62,371.19	100%
City of Kerman	1,627.19	1,627.19	100%	1,627.19	100%
County of Fresno	31,772.14	31,772.14	100%	31,772.14	100%
Fresno Irrigation District	142,576.29	142,576.29	100%	142,576.29	100%
Garfield Water District	1,395.18	1,395.18	100%	1,395.18	100%
International Water District	618.70	618.70	100%	618.70	100%
Total Member/Contracting Entity	253,950.01	253,950.01	100%	253,950.01	100%
Total Income	261,063.21	261,313.21	100%	261,063.21	100%
Expense					
Audit Expense	6,025.00	5,000.00	121%	6,025.00	100%
Bank Charges	35.00	200.00	18%	200.00	18%
Dues and Subscriptions	3,313.17	3,315.00	100%	3,315.00	100%
Insurance	2,069.00	2,085.00	99%	2,085.00	99%
Kings Basin Coordination	34,479.07	70,000.00	49%	70,000.00	49%
Legal	15,951.11	60,000.00	27%	25,000.00	64%
Office Supplies	538.49	550.00	98%	550.00	98%
Professional Services					
Engineering Consultant	42,357.61	100,000.00	42%	100,000.00	42%
Security Services	140.00	1,800.00	8%	1,000.00	14%
Professional Services - Other	60,957.12	60,000.00	102%	61,000.00	100%
Total Professional Services	103,454.73	161,800.00	64%	162,000.00	64%
Project Costs	0.00	25,000.00	0%	25,000.00	0%
Public Information	52,911.44	75,000.00	71%	75,000.00	71%
Staff Expense					
Executive Officer	61,974.27	100,000.00	62%	85,000.00	73%
Supporting Staff (FID)	10,942.88	30,000.00	36%	20,000.00	55%
Total Staff Expense	72,917.15	130,000.00	56%	105,000.00	69%
Total Expense	291,694.16	532,950.00	55%	474,175.00	62%
Net Operating Income	-30,630.95	-271,636.79	11%	-213,111.79	14%
Non-Operating Income					
Interest Income	8,600.34	8,000.00	108%	8,000.00	108%
Unrealized Gain/Loss	7,665.09	8,000.00	96%	8,000.00	96%
Total Non-Operating Income	16,265.43	8,000.00	203%	8,000.00	203%
Change in Net Position	-14,365.52	-263,636.79 *	5%	-205,111.79 *	7%

*2023-2024 Budget to be funded with reserves

G:\Agencies\DWR\SGMA\Fresno Area GSA\Budget\FY 2023-2024\NKGSA Budget 2023-2024 Revised - April 30 2024

AGENDA

5. Receive – Basin Coordination Update (Samuelian)

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

Kings Basin Update

- Well Mitigation Program reviewed by TACs, revisions made, out to GSAs for adoption
  - Coordinated proposal for Administration of program for North, North Fork, KRE and Central
- Interconnected Surface Water coordination on SJR and Kings
  - Interbasin coordination with Madera Basin, USBR and FWA
- GSP Revisions for other corrective actions initiated
  - Draft redline GSPs to TACs in Aug
- Water Allocation Framework discussions ongoing
- Tracking State Board process for other basins
- Spring 2024 water level readings collected

Kings Basin Update

- Schedule for studies and GSP revisions

TASK	2023					2024												2025
	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
Confined Aquifer Study																		
ISW Studies																		
Basin Domestic Well Mitigation Program																		
GSA Specific Domestic Well Mitigation Plans																		
GSP Language Revisions																		
Admin Draft GSPs and Periodic Eval (PE) to GSAs																		
Draft GSPs & PE Posted for Comment																		
Draft GSP Revisions																		
Final GSP & PE Adoption by GSA Boards																		
GSP Posting to SGMA Portal																		

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

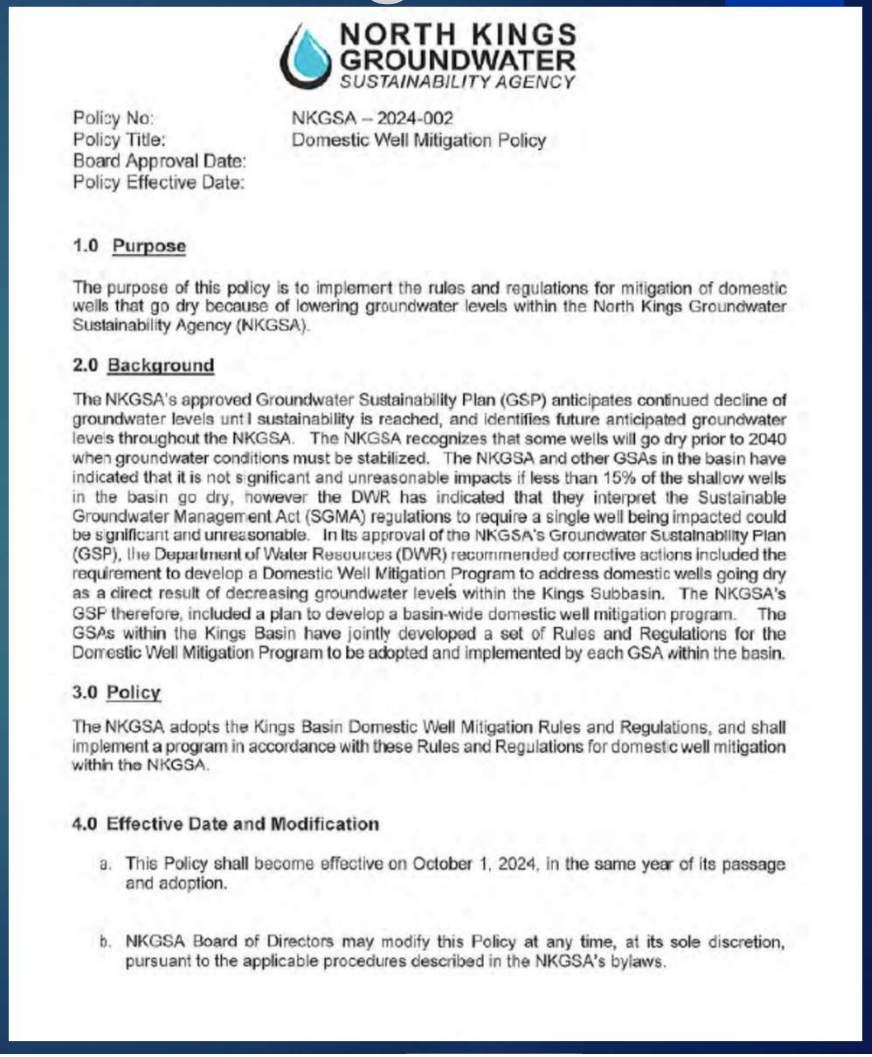
6. Administrative

6a. Domestic Well Mitigation Program

- Kings Basin Completed Draft Guidelines and Rules and Regulations – April 2024
- GSAs to Adopt Policy, Rules and Regulations and Commit Funding to First Year Implementation – May-July 2024
- Secure Admin Support contract, vendor contracts – August – September 2024
- Program Begin – October 1, 2024

6a. Domestic Well Mitigation Program

- NKGSA Policy 2024-002 Domestic Well Mitigation Program
  - Purpose: To implement the rules and regulations for mitigation of domestic wells that go dry because of lowering of groundwater levels within the NKGSA.



NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

Policy No: NKGSA – 2024-002
Policy Title: Domestic Well Mitigation Policy
Board Approval Date:
Policy Effective Date:

1.0 Purpose

The purpose of this policy is to implement the rules and regulations for mitigation of domestic wells that go dry because of lowering groundwater levels within the North Kings Groundwater Sustainability Agency (NKGSA).

2.0 Background

The NKGSA's approved Groundwater Sustainability Plan (GSP) anticipates continued decline of groundwater levels until sustainability is reached, and identifies future anticipated groundwater levels throughout the NKGSA. The NKGSA recognizes that some wells will go dry prior to 2040 when groundwater conditions must be stabilized. The NKGSA and other GSAs in the basin have indicated that it is not significant and unreasonable impacts if less than 15% of the shallow wells in the basin go dry, however the DWR has indicated that they interpret the Sustainable Groundwater Management Act (SGMA) regulations to require a single well being impacted could be significant and unreasonable. In its approval of the NKGSA's Groundwater Sustainability Plan (GSP), the Department of Water Resources (DWR) recommended corrective actions included the requirement to develop a Domestic Well Mitigation Program to address domestic wells going dry as a direct result of decreasing groundwater levels within the Kings Subbasin. The NKGSA's GSP therefore, included a plan to develop a basin-wide domestic well mitigation program. The GSAs within the Kings Basin have jointly developed a set of Rules and Regulations for the Domestic Well Mitigation Program to be adopted and implemented by each GSA within the basin.

3.0 Policy

The NKGSA adopts the Kings Basin Domestic Well Mitigation Rules and Regulations, and shall implement a program in accordance with these Rules and Regulations for domestic well mitigation within the NKGSA.

4.0 Effective Date and Modification

a. This Policy shall become effective on October 1, 2024, in the same year of its passage and adoption.

b. NKGSA Board of Directors may modify this Policy at any time, at its sole discretion, pursuant to the applicable procedures described in the NKGSA's bylaws.

6a. Domestic Well Mitigation Program

- Rules and Regulations:
  - Eligibility
  - Process
  - Cost-Share

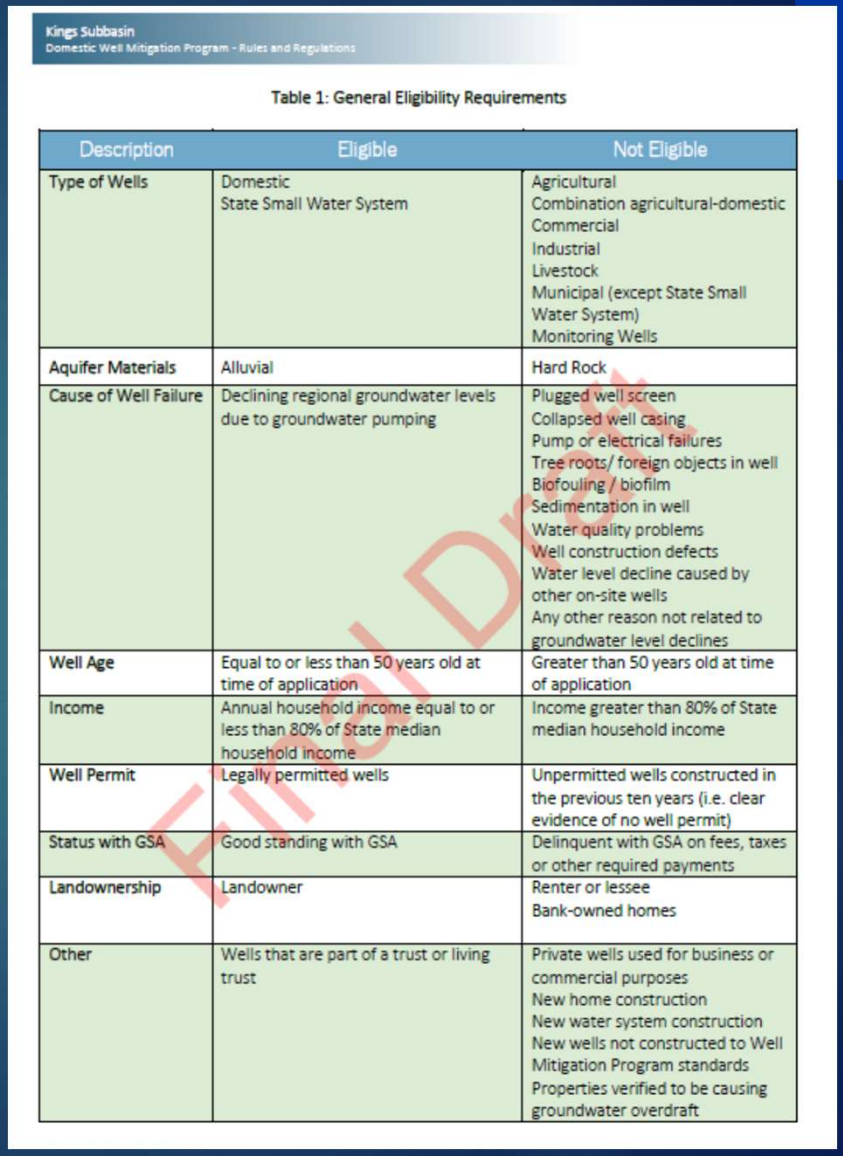


Table 1: General Eligibility Requirements

Description	Eligible	Not Eligible
Type of Wells	Domestic State Small Water System	Agricultural Combination agricultural-domestic Commercial Industrial Livestock Municipal (except State Small Water System) Monitoring Wells
Aquifer Materials	Alluvial	Hard Rock
Cause of Well Failure	Declining regional groundwater levels due to groundwater pumping	Plugged well screen Collapsed well casing Pump or electrical failures Tree roots/ foreign objects in well Biofouling / biofilm Sedimentation in well Water quality problems Well construction defects Water level decline caused by other on-site wells Any other reason not related to groundwater level declines
Well Age	Equal to or less than 50 years old at time of application	Greater than 50 years old at time of application
Income	Annual household income equal to or less than 80% of State median household income	Income greater than 80% of State median household income
Well Permit	Legally permitted wells	Unpermitted wells constructed in the previous ten years (i.e. clear evidence of no well permit)
Status with GSA	Good standing with GSA	Delinquent with GSA on fees, taxes or other required payments
Landownership	Landowner	Renter or lessee Bank-owned homes
Other	Wells that are part of a trust or living trust	Private wells used for business or commercial purposes New home construction New water system construction New wells not constructed to Well Mitigation Program standards Properties verified to be causing groundwater overdraft

Final Draft

6a. Domestic Well Mitigation Program

- Rules and Regulations:
  - Eligibility
  - Process
  - Cost-Share – Determined based on age of well.
    - Grant/Loan

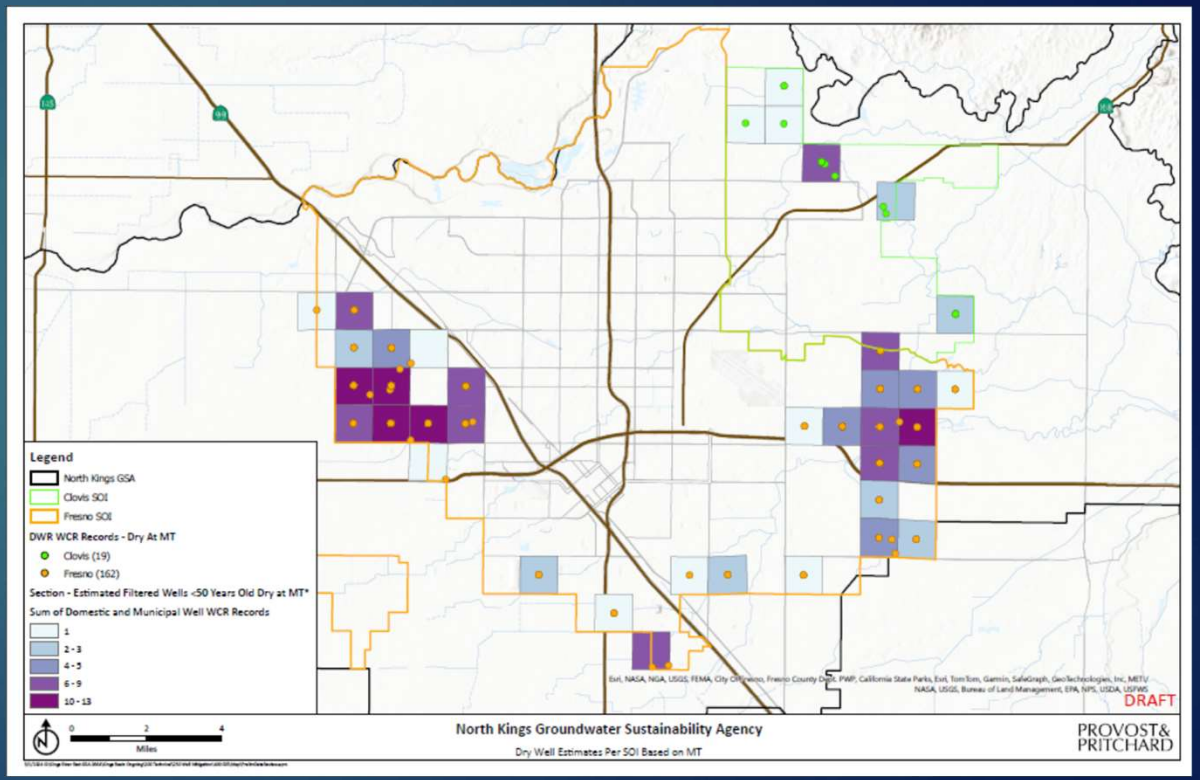
Figure 3: Flow Chart of Claims and Well Evaluation Process

6a. Domestic Well Mitigation Program – Current Efforts

- Administrative Support
  - Cost-Sharing Option with Other GSAs
    - Provost & Pritchard
    - KRCD
- First Year Implementation Funding Proposal
  - $500,000 – Existing Cost Share for Member Agencies
    - Excess from FY23-24 Budget
    - $125k - $150k – FY 24-25 Budget
    - $300k - Reserves

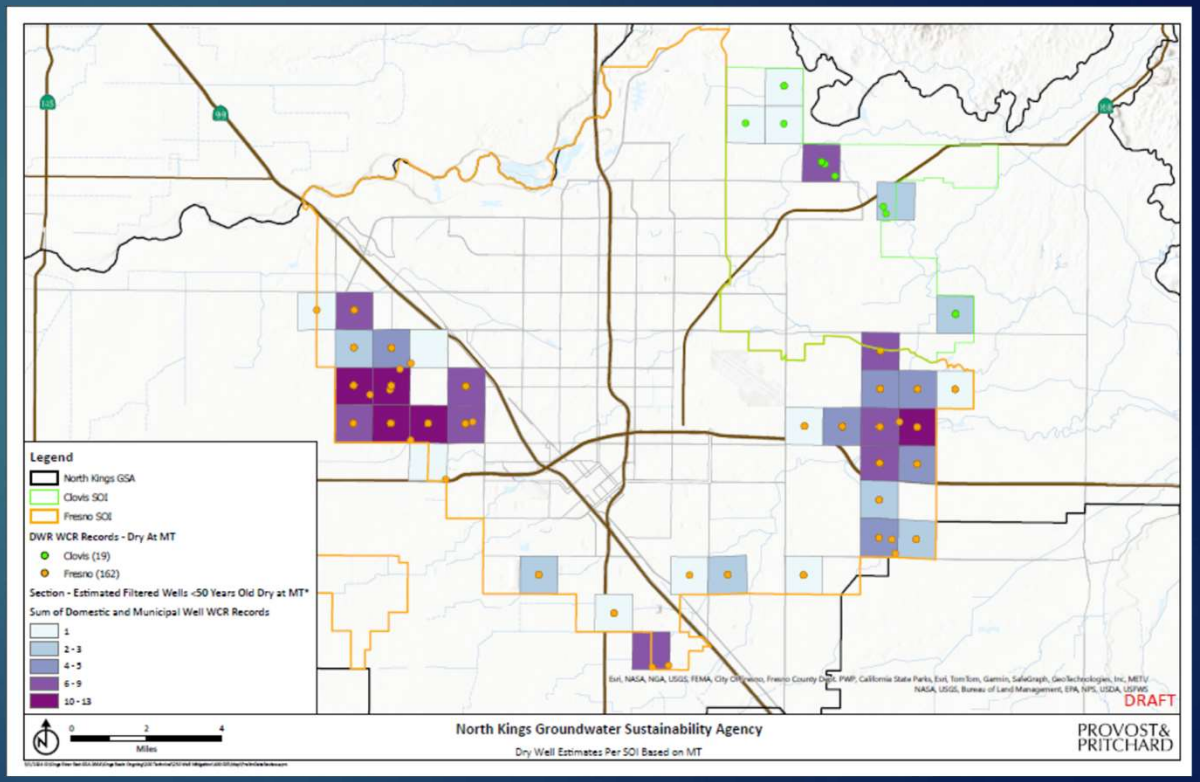
6a. Domestic Well Mitigation Program – Current Efforts

- Years 2 - 15
  - $700k - $1M per Year
    - Multiple Cost-Share Options Being Developed
    - Up to 489 wells could be impacted
    - 40% of impacted wells within SOI for cities.



6a. Domestic Well Mitigation Program – Current Efforts

- $500k - $800k per Year
  - Multiple Cost-Share Options Being Developed
  - Up to 489 wells could be impacted
  - 40% of impacted wells within SOI for cities.



6. Admin.

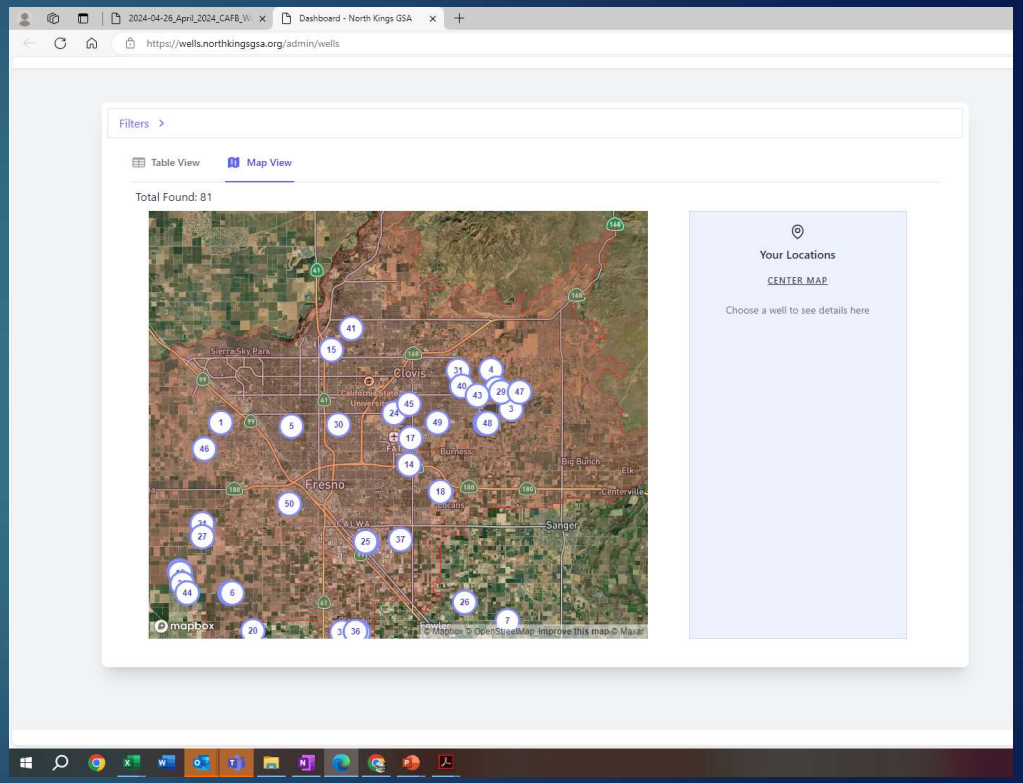
b. Well Permitting Update

***2023: 293 total**

All Well Permits Issued	Number
January	5
February (to date)	2
March	11
April	8
May	1
June	
July	
August	
September	
October	
November	
December	
Total – To Date	

6.c . Well Registration Tool

- Launched –March 2024



- Portal Accessible on NKGSA Website Home Page
- Email Blast Via NKGSA and FID email distro lists
- Coordination with Fresno County White Area Landowners – Re-engagement
- FID Grower Meetings
- Batch Upload Option
- 81 Entries -

- Continue Campaign

6.c . Well Registration Tool

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

7. Workgroup Updates and Actions

7. Workgroup Updates

- a. Technical Workgroup Update (Claes)
- b. Kings Water Alliance – Stakeholder Advisory Committee Report (Koehn)

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

8. Member Agency Reports

a. i. Water Supply Update – (Claes)

a.ii. Others

2023 Record Year Re-Cap

- Record Surface Water Diversions: 647,000 AF
- Recharge: ~180,000 AF (within FID)
  - FID Basins: 890 acres
  - FMFCD/City Basins: 1,730 acres

Top 5 Years - Kings River Runoff (Oct-Sept)			
Rank	Year	WY Runoff (AF)	% of Average
1	2022-23	4,509,000	265%
2	1982-83	4,476,000	263%
3	1968-69	4,386,000	258%
4	2016-17	4,096,000	241%

2023 Notable Trends

- Diversions for Customer Deliveries & Recharge

Year	Total Surface Water Diversions (AF)
2011	596,000
2017	583,000
2019	641,000
2023	647,000

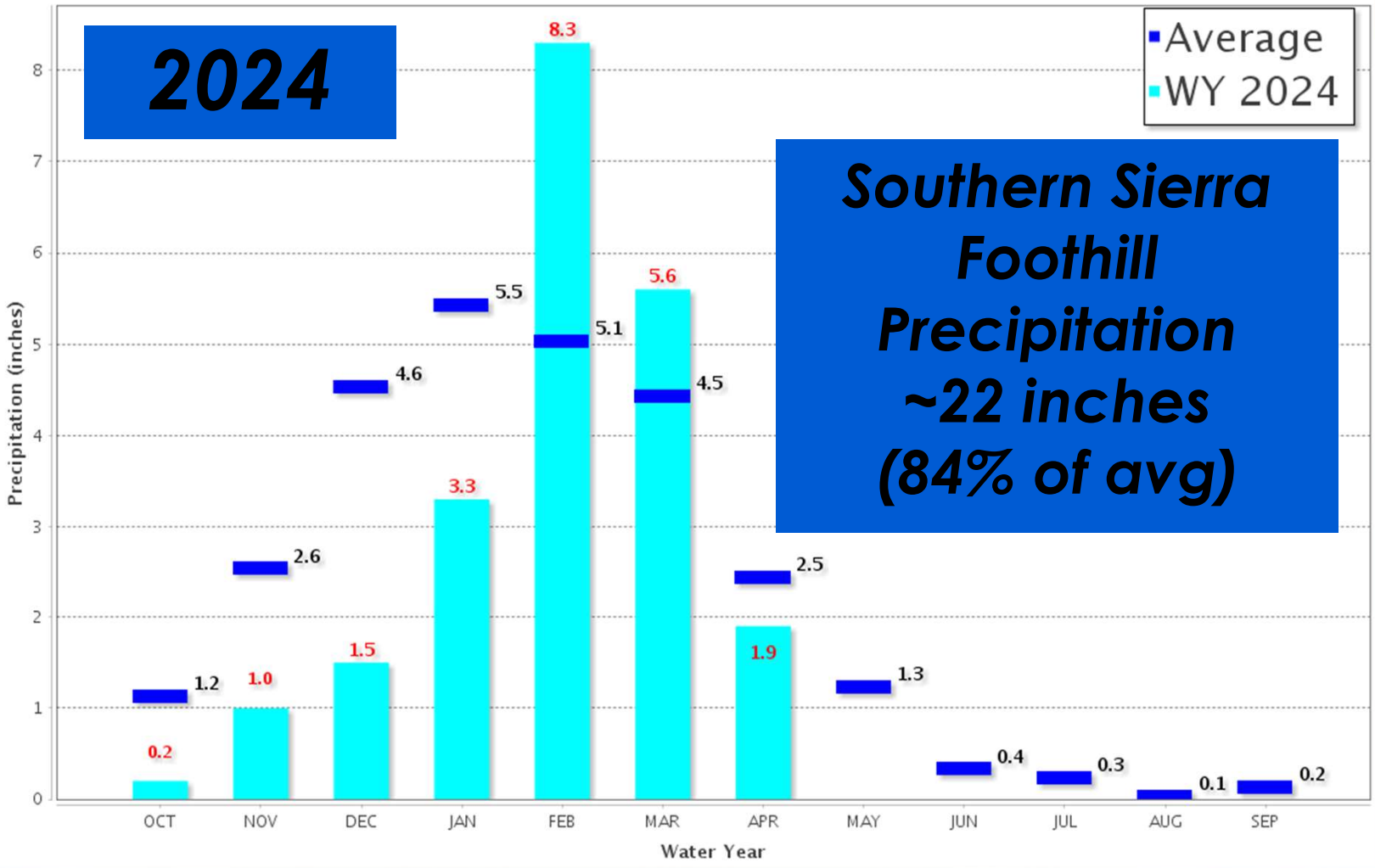
Year	August Diversions	September Diversions	October Diversions
2011	69,000	49,200	48,200
2017	69,900	56,800	67,800
2019	72,700	58,400	64,400
2023	80,900 (+15%)	69,400 (+27%)	73,000 (+22%)

Tulare Basin 6-Station

Precipitation Index for Water Year 2024 - Updated on April 29, 2024 01:48 PM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST

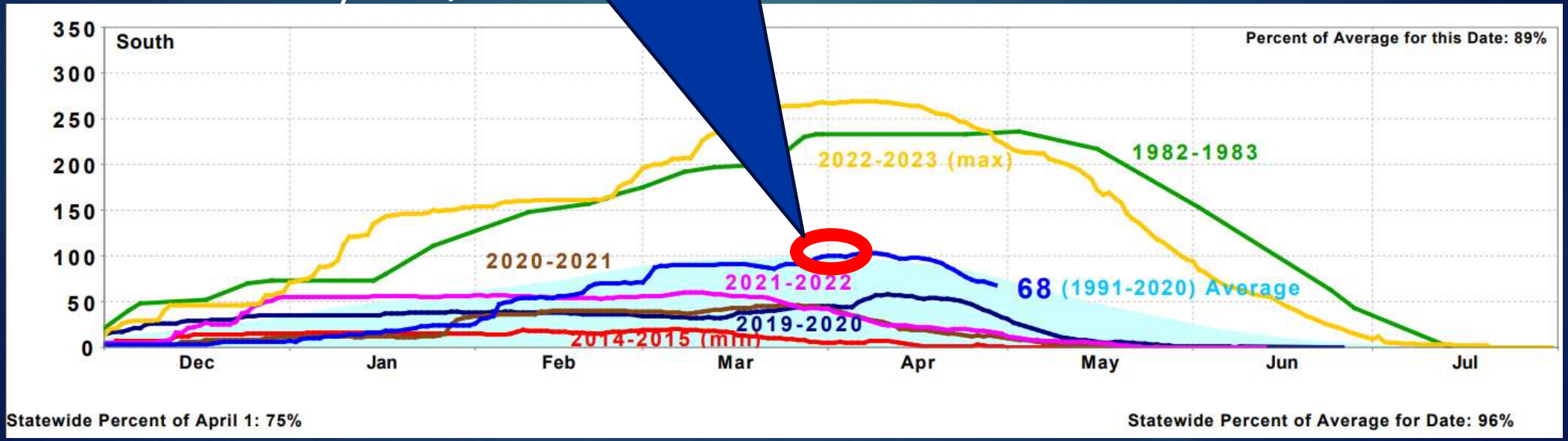


Southern Sierra Snowpack

2024 Snow Water Content (% of Avg)

100% of Average on April 1

Only 68% on March 1



2024 FID Irrigation Season

- Deliveries began April 1
  - To continue through August (5 months)
  - Normal: 5 months, 500k AF (647K AF in 2023)
  - FID benefits from high elevation snow & cool spring

NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

9. Executive Officer Update

9. a. Kings Basin Special Studies Update

9. b. SGMA Implementation Projects Update

9. c. Outreach/External Affairs

9. d. Representative Monitoring Network

9. e. Miscellaneous

9.b. SGMA Implementation Projects

- Biola CSD
- FID
  - Recently Completed 50 acre basin
- Malaga CWD
- City of Kerman
- Pinedale CWD
- Fresno State – Coordination Efforts

9c. Outreach and Education

- Social Media
  - Grower Corner
- Website
- Email Distribution
- Speaking Engagements
  - ACWA
  - DWR SGMA Forum
  - FID Grower Meetings

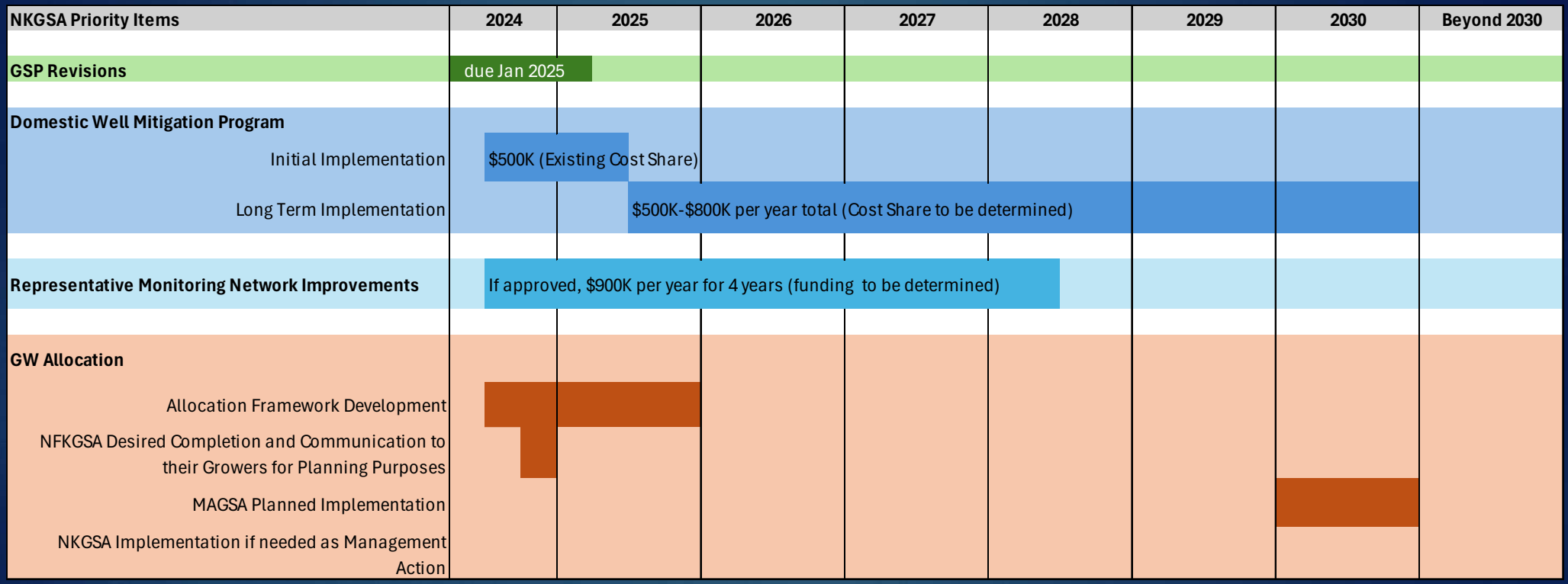
9.d. Representative Monitoring Network

- Short Term
  - Obtain missing construction data.
  - Install Telemetry on existing wells.
- Long Term
  - Add Up to 48 New Dedicated Monitoring Wells to the Network
    - Develop 3 to 5 year plan – starting FY 2024/2025
    - Begin drilling dedicated monitoring wells in Fall 2024 – dependent upon available budget.

9.e. Miscellaneous

- FY 2024-2025 Budget
- Kings Basin Annual Report
- MAGSA Aquaterra IS/MND Joint Comment Letter

NKGSA Priorities – Spending and Schedule



Kings Basin Annual Report

Table 2-3 – Kings Subbasin Surface Water Use (WY2023)

Water Use	Volume (AF)
Direct Use	1,286,000
Managed Recharge	651,000
Total	1,937,000

2023 was a "big water" year

700+KAF above average

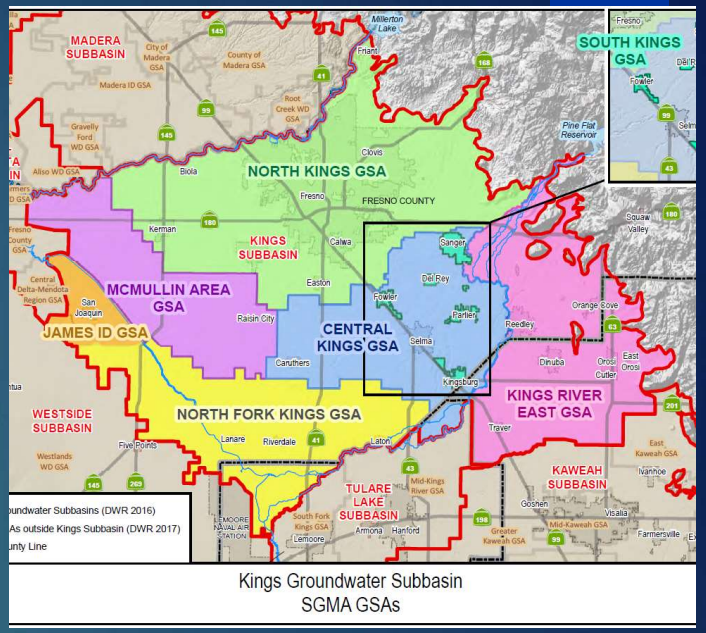
Water Year	% Historical Diversions	Water Year Type
2015	20%	Dry
2016	75%	Normal
2017	158%	Wet
2018	100%	Normal
2019	151%	Wet
2020	75%	Normal
2021	23%	Dry
2022	47%	Dry
2023	**155%**	**Wet**
Average	102%	Normal

Only 1.8MAF Surface Water Delivered from 2020-2022. (That is 1.8MAF below average)

So even with 2023, still about 1.1MAF below average (about a full year) since 2020

MAGSA Aquaterra IS/MND Comment Letter

- Joint Letter
  - FID/CID/AID/NKGSA/CKGSA/KREGSA
  - Lacking Detail
- Summary
  - Type of Document
  - Source of Supply for Banking Project



Kings Groundwater Subbasin
SGMA GSAs

10. Adjourn

Next Meeting

June 14, 2024