



North Fork Kings  
Groundwater Sustainability Agency

## **NOTICE OF POLICY COMMITTEE MEETING**

### **Members**

#### **Division 1**

Director Buddy Mendes  
County of Fresno

#### **Division 2**

Director Frank Zonneveld  
Clark's Fork Reclamation District  
Laguna Irrigation District  
Upper San Jose Water Company

#### **Division 3**

Director JoAnne Rempp  
Laton Community Services District  
Riverdale Public Utilities District  
Lanare Community Services District

#### **Division 4**

Director Mark McKean  
Crescent Canal Company  
Stinson Canal & Irrigation Company

#### **Division 5**

Director Leonard Acquistpace  
Riverdale Irrigation District  
Reed Ditch Company

#### **Division 6**

Director Stephen Maddox, Jr.  
Liberty Mill Race Company  
Burrel Ditch Company

#### **Division 7**

Director Tony Campos  
Liberty Water District  
Liberty Canal Company

Mark McKean, Chair  
Buddy Mendes, Vice Chair  
Stephen Maddox, Secretary-Treasurer

October 8, 2021

This is to inform you the North Fork Kings Groundwater Sustainability Agency (NFKGSA) Policy Committee Meeting will be held on Monday, October 11, 2021 remotely via **ZOOM web/teleconference**. The web link and call-in information are on the Agenda. The meeting will convene at 9:00 a.m. The Committee members are: Directors Mark McKean, Buddy Mendes, and Stephen Maddox, Jr.

The patience and cooperation of all participants is appreciated. While every effort has been made to streamline the experience and conduct meetings in the manner to which our stakeholders have grown accustomed, there may be technical issues and human error. We will attempt to promptly correct any issues that arise.

Individuals who know in advance that they will have an item to comment on, or who require special accommodations, are requested to contact Corey McLaughlin by phone at: (559) 237-5567 ext. 104, or by email at: [cmclaughlin@krcd.org](mailto:cmclaughlin@krcd.org).

4886 E. Jensen Ave  
Fresno, CA 93725  
Telephone: 559.242.6118

[www.NorthForkKings.org](http://www.NorthForkKings.org)



# North Fork Kings

## Groundwater Sustainability Agency

Date **10/11/2021**

Time **09:00 AM - 10:00 AM**

Location **Zoom Link:**

<https://us02web.zoom.us/j/89379688232?pwd=L2gwNHJwMGxvQVhaMXRTcXNTV1FKQT09>

**One Tap Mobile: +16699006833,,89379688232#,,,,\*572360#**

**Call-In: 1-669-900-6833 ; Meeting ID: 893 7968 8232 ; Passcode: 572360**

# NFKGSA Policy Committee Meeting

NFKGSA Board of Directors

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All items on this agenda, whether or not expressly listed for action, may be deliberated upon and may be subject to action by the Board of Directors. The Board of Directors may consider agenda items in any order. Materials related to an item on this agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection at the Kings River Conservation District, 4886 E. Jensen Ave., Fresno 93725 during normal business hours.

### Accessibility

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the NFKGSA to provide a disability-related modification or accommodation in order to participate in any public meeting of the NFKGSA. Such assistance includes appropriate alternative formats for the agendas and agenda packets used for any public meetings of the GSA. Requests for such assistance and for agendas and agenda packets shall be made in person, by telephone, facsimile, or written correspondence to the Kings River Conservation District, 4886 E. Jensen Ave, Fresno, CA 93725, telephone 559.237.5567, fax 559.237.5560 at least 48 hours before a public NFKGSA meeting.

# Agenda - 11 October 2021

**Zoom Link:** <https://us02web.zoom.us/j/89379688232?pwd=L2gwNHJwMGxvQVhaMXRTcXNTV1FKOT09>

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**1 Convene**

The Chair will convene the meeting.

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**2 Public Comment**

The public may address the Committee on any item relevant to the GSA. The conducting officer will indicate whether speakers are to make their comments before or after any staff comment or report. Public comment shall precede discussion of the item by the Committee. Comments by individuals and entities will be limited to three minutes or as may be reasonable as determined by the conducting officer.

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**3 Approval of Minutes**

The Committee will consider approval of the minutes from the May 10, 2021 Committee Meeting. *Simple majority vote.*

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**4 Policy Identification, Prioritization, Review, and Recommendations**

The Committee will discuss the identification and prioritization of policies for development and recommendation to the full Board. Direction will be given to staff, consultants, and legal counsel. Two items for this meeting are: potential Well and Meter Standards, and a potential Groundwater Credit Program. *Simple majority vote if action is taken.*

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**5 Next Meeting Date and Proposed Agenda Items**

The next meeting date of the Committee will be announced, and agenda items may be proposed.

The Committee will consider finding whether conditions exist such that the Committee may meet remotely pursuant to the provisions of Government Code Section 549 53(e) and whether the Committee wishes to exercise that option for the November 2021 Committee Meeting. *Simple majority vote if action is taken.*

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**6 Adjournment**

The Committee Meeting will adjourn.

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| For Information

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## 3 - Approval of Minutes

The Committee will consider approval of the minutes from the May 10, 2021 Committee Meeting.  
*Simple majority vote.*

| For Decision

[#actionitem](#)

### **Attachments**

[2021 05 10 NFKGSA Policy Committee minutes DRAFT.pdf](#)

## 2021 05 10 NFKGSA Policy Committee minutes DRAFT

3 - Approval of Minutes

Last modified: 10/5/2021







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## 4 - Policy Identification, Prioritization, Review, and Recommendations

The Committee will discuss the identification and prioritization of policies for development and recommendation to the full Board. Direction will be given to staff, consultants, and legal counsel. Two items for this meeting are: potential Well and Meter Standards, and a potential Groundwater Credit Program. *Simple majority vote if action is taken.*

| For Decision

## **DRAFT NFKGSA Well and Meter Standards**

### **Scope**

These standards apply to any and all groundwater wells currently existing within the NFKGSA service area and/or to wells which shall be constructed during the period within which these rules and regulations shall be in effect and are intended to clarify the specifications for compliance with existing NFKGSA policies, as appropriate.

### **Well Registration**

- a) All new groundwater wells located within NFKGSA's service area shall be registered with NFKGSA within thirty (30) days of commencement of drilling for the new well. Existing groundwater wells located within NFKGSA's service area shall be registered with NFKGSA according to the following schedule:
  - Landowners who own 60 or more acres need to register all their wells by July 1, 2022;
  - All other wells must be registered by January 1, 2023.
- b) "Registration" shall include the following information (to the extent known to landowner at the time of registration):
  - well owner's (landowner) name and contact information,
  - assessor's parcel number,
  - well geo-location,
  - date of construction (or reasonable estimate),
  - well construction detail, including overall depth of well,
  - a copy of the well completion report (if available), and
  - other such relevant information, as may, from time to time by appropriate regulation or ordinance, be determined to be necessary by NFKGSA for implementation of the GSP and compliance with SGMA.
- c) Groundwater well registration information shall be provided on a NFKGSA issued confidential registration form (as may be amended and supplemented from time to time) or on the NFKGSA website.

### **Well Construction**

- a) All new groundwater wells shall meet or exceed standards established in Department of Water Resources Bulletin 74 or as the same may be hereafter revised, or as established by the applicable county - Fresno County Department of Public Health, Environmental Health Division (Fresno County) or Kings County Department of Public Health - whichever is more stringent, and shall be subject to permitting as required by Fresno County and or Kings County.
- b) New groundwater wells and replacement groundwater wells constructed within the NFKGSA boundary, in addition to all hardware and appurtenant power supply requirements required for Fresno County permitting, shall, in addition, include all of the following:
  - i. An flow metering device that meets the specifications set forth herein;
  - ii. An industry standard water quality sampling spigot on the discharge piping; and

- iii. A groundwater elevation sounding tube of at least two (2) inches in diameter either accessing the inside of the casing or located and constructed to a depth at least 100 feet below the existing static water level outside the well casing, within the gravel pack (preferred), to facilitate accurate water elevation measurements.

### **Well Metering**

- a) NFKGSA policy requires all new groundwater wells located within the NFKGSA boundary to be outfitted with compliant flow metering devices at the time of construction. Existing wells located within the NFKGSA boundary shall install compliant flow metering devices within the following time schedule:
  - Wells pumping from beneath the Corcoran Clay – prior to January 1, 2025;
  - Large landowners (60 acres or more) – prior to January 1, 2025;
  - All other wells – prior to January 1, 2027.
- b) In complying with these groundwater well metering requirements, all landowners and/or well owners shall ensure that all groundwater wells located within the NFKGSA boundary have an electromagnetic flow metering device or a propeller flow metering device that meets the following criteria and/or specifications:
  - i. The meter shall be either a flange type or a saddle type meter;
  - ii. The meter shall be an electromagnetic flow meter and microprocessor based signal converter capable of communicating with remote telemetry, or a propeller type flow meter capable of communicating with remote telemetry;
  - iii. The meter shall be accurate to within  $\pm$  two percent (2%) of actual flow;
  - iv. The meter shall report actual flow rate in gallons per minute and contain an aggregate flow totalizer to capture total production volume reported in acre-feet;
  - v. Each meter shall be appropriately sized for the production rate and discharge piping of the well;
  - vi. Each meter shall have a measurement range that matches the expected range of production rates from the well on which it is installed.
- c) Pre-approved flowmeters include the following:
  - McCrometer . . .
  - Water Specialties . . .
  - Or approved equivalent
- d) Installation of all meters shall be performed by a contractor with appropriate experience. Meters must be installed in strict adherence to all applicable manufacturer recommendations, American Water Works Association standards, and industry norms regarding the proper installation of flowmeters in closed piping systems.
- d) Testing and/or calibration of meters shall be performed by a contractor with the requisite experience at intervals specified by the meter manufacturer, and test certifications shall be provided to the NFKGSA.
- e) Domestic wells that extract less than 2 acre-feet/year, referred to as de minimus extractors, are excluded from the metering requirements herein.

### **Well Monitoring**

- a) Data collection, reporting and management are critical elements of the NFKGSA Groundwater Sustainability Plan (GSP) and, of necessity, data will need to be collected,

- stored and managed in a precise, accurate and confidential manner to successfully place NFKGSA in a position of achieving sustainability within the time frame required by law.
- b) While not requiring the installation of remote telemetry on each groundwater well, NFKGSA heartily encourages consideration by landowners to provide for that capability at the earliest possible time. Absent the remote telemetry feature, reporting must be accounted for manually and is subject to additional labor costs and human error in the transcription of the reported information.
  - c) As indicated, accurate reporting is critical and groundwater well owners shall provide to NFKGSA, through a method to be agreed upon with NFKGSA, (either manually or telemetrically as identified above) meter reading and recordation of each groundwater well's groundwater production data on a monthly basis beginning on the first day of each month following the installation of its new groundwater meter or written confirmation from NFKGSA that its existing meter meets the provisions above, and continuing thereafter for each successive month.
  - d) Well owners shall transmit their groundwater production data for the prior month to NFKGSA no later than the fifteenth (15<sup>th</sup>) day of the month following its collection.

### **Enforcement**

- a) While NFKGSA is optimistic that its landowners and stakeholders will support moving positively toward achievement of its sustainability goals, circumstances arise from time to time which require additional measures to assist in that regard.
- b) Landowners are expected to meet the obligations and deadlines established by the Rules and Regulations. Failure to comply will incur a warning that allows not more than 30 days to achieve compliance. Failure to meet the deadline established in the warning will result in NFKGSA arranging for or performing the required work or task and the subsequent billing to the landowner for the any costs, charges or fees required to comply.
- c) Landowners shall be responsible for compliance with these rules and regulations by any lessee on their property.

## GROUNDWATER CREDIT PROGRAM – TERMS AND CONDITIONS

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The North Fork Kings Groundwater Sustainability Agency (NFKGSA) has developed a Groundwater Sustainability Plan (GSP) to comply with the Sustainable Groundwater Management Act (SGMA). The NFKGSA did not commit to establishing a groundwater allocation or a groundwater credit system in the GSP, but presented the option for landowners and water users to develop projects that may be implemented to generate “groundwater credits” for future use if/when a groundwater allocation program is established.

“Groundwater Credits” will be allocated to water users who develop a qualifying recharge project and provide the NFKGSA data to support the project’s recharge benefit to the groundwater subbasin. The “groundwater credits” *may* be used in subsequent years for groundwater pumping as provided below. All “groundwater credits” shall be subject to the policies developed pursuant the NFKGSA’s GSP as they may be updated over time. Policies may include *but are not limited to* avoidance of undesirable results, quantification, transfer, expiration of credits, a leave-behind quantity (accounting for losses), and termination of the Program.

Interested participants must follow the general terms and conditions listed below to receive groundwater credit for subsequent years:

1. Conditions applied to the wells owned by the participating landowner include:
  - a. All landowner wells shall be furnished with a flowmeter that complies with meter standards developed by the NFKGSA.
  - b. Opening meter readings are required from all groundwater wells.
  - c. Continued access granted for NFKGSA personnel.
2. A participant may recharge water for groundwater credit through one of the following methods:
  - a. Percolation ponds/basin
    - i. Land selected for this activity must be favorable for passive recharge. Project will not be accepted if lands have geology that could create a perched water condition or impact neighboring lands.
  - b. On-Farm over irrigation of crops
  - c. Sub Lateral over irrigation (reverse subsurface tile drain system)
  - d. Dry well recharge system
  - e. Aquifer Storage and Recovery (ASR); requires approval from the Regional Board.
3. Approved projects in this program are required to install a dedicated flowmeter to measure the amount of water delivered to the recharge project. With projects that are shared by multiple water users (e.g., Recharge Basin with one meter), the management of the groundwater credit to that specific project will be managed by the water users that share the project. Groundwater credits will only be allocated to water users that meet the requirements of term 1.
4. Participants are required to comply with the Checklist set forth below and provide the required information indicated on the application form for each type of recharge project.

5. Appropriate information will need to be provided by the Participant to quantify the volume of water being recharged by their respective method of choice each year, which will be verified by the NFKGSA. Account and project specific information provided by the water user will remain confidential. The amount of groundwater credit received will be allocated based on the supporting documentation after accounting for evaporation losses (if any).
6. Participants in the Groundwater Credit Program are responsible for and required to adhere to all local, state, and federal laws, policies and rules and regulations that apply to the development, operation, and maintenance of the project, including but not limited to CEQA. Participant shall insure that the project does not result in unacceptable deterioration of groundwater quality.

If you have any questions regarding the Groundwater Credit Program, please contact  
\_\_\_\_\_ at (559) \_\_\_\_\_.

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## APPLICATION CHECKLIST

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### Participant Contact Information

- Name, Company, Email, Phone

### Participant Project Information/Support

- Type of Project
- Turnout Delivery Information (Conveyance System and Location)
- Source of Supply
- Project Layout
- Location of Project
- Capacity of Project (AF daily and annually)

## APPLICATION FOR GROUNDWATER CREDIT PROGRAM

Participant Information for Program Participation	
Landowner/Water User Information	
Contact Name:	
Address:	
Phone Number:	
Email:	
Anticipated Average Annual Amount of Groundwater Credit Applied For:	AF

Source of Water Supply
Conveyance System for Water Delivery:
Turnout Number(s):
Source of Recharge Water:
<input type="checkbox"/> Kings River Entitlement
<input type="checkbox"/> Kings River floodwater
<input type="checkbox"/> Friant water
<input type="checkbox"/> Other (specify):

Recharge Project Type (complete attached application form for each type of project):

- Percolation Ponds/Basins
- On-Farm Over Irrigation (flood irrigation)
- Sub Lateral Over Irrigation
- Dry Well Injection
- Aquifer Storage and Recovery (ASR)

I hereby acknowledge the terms and conditions of the NFKGSA Groundwater Credit Program and agree that all groundwater credits are subject to the policies developed by the GSA pursuant to the NFKGSA's Groundwater Sustainability Plan.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

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NFKGSA Approval of Application:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

## APPLICATION FORM FOR GROUNDWATER CREDIT

<b>Percolation Ponds/Basins</b>	
Recharge Basin Location	
Description:	
APN(s):	
Conveyance Facility:	
Turnout Number:	
Vicinity Map:	<input type="checkbox"/> Attachment Required
Size of Recharge Basin	
Site Layout:	<input type="checkbox"/> Attachment Required
Facility Dimensions:	
Wetted Acres:	
Recharge Properties (projected)	
Infiltration Rate:	feet/day
Have dedicated monitor wells been installed? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Has any geologic investigation occurred, such as soil borings? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please provide copy of Geotech report.	
If project feasibility studies or design information is available, please submit.	

<b>On-Farm Over Irrigation (flood irrigation)</b>	
Field Information	
Field ID:	
APN(s):	
Crop Type:	
Planted Acreage:	
Conveyance Facility:	
Turnout Number:	
Vicinity Map:	<input type="checkbox"/> Attachment Required
Site Layout:	<input type="checkbox"/> Attachment Required
Crop Demand (AF/acre)	
Potential Period of Over Irrigation:	to
Wetted Acres:	
Recharge Properties (projected)	
Infiltration Rate:	feet/day
Has any geologic investigation occurred, such as soil borings? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please provide copy of Geotech report.	

## APPLICATION FORM FOR GROUNDWATER CREDIT

<b>Sub Lateral Over Irrigation (reverse subsurface tile drain system)</b>	
Sub Lateral Location Information	
Description:	
APN(s):	
Crop Type:	
Sub Lateral Acreage:	
Conveyance Facility:	
Turnout Number:	
Vicinity Map:	<input type="checkbox"/> Attachment Required
Sub Lateral System Plans:	<input type="checkbox"/> Attachment Required
Recharge Properties (projected)	
Infiltration Rate:	Acre-feet/day/acre
Has any geologic investigation occurred, such as soil borings? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please provide copy of Geotech report.	

<b>Dry Well Recharge System</b>	
Dry Well(s) Location Information	
Description:	
APN(s):	
Conveyance Facility:	
Turnout Number(s):	
Vicinity Map:	<input type="checkbox"/> Attachment Required
Dry Well(s) Properties	
Number of Dry Wells:	
Diameter of Dry Well(s):	
Depth of Dry Well(s):	
Site Layout:	<input type="checkbox"/> Attachment Required
Recharge Properties (projected)	
Infiltration Rate:	Acre-feet/day/well
Has any geologic investigation occurred, such as soil borings? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please provide copy of Geotech report.	

## APPLICATION FORM FOR GROUNDWATER CREDIT

<b>Aquifer Storage and Recovery (ASR) - Requires Regional Board approval</b>	
Well(s) Location Information	
Description:	
APN(s):	
Conveyance Facility:	
Turnout Number(s):	
Filtration Information:	
Vicinity Map:	<input type="checkbox"/> Attachment Required
ASR Well(s) Properties	
Number of Wells:	
Diameter of Well(s):	
Depth of Well(s):	
Perforated Interval"	feet to feet
Pumping capacity:	gpm
Injection Meter Information:	
Recovery Meter Information:	
Well Completion Report(s):	<input type="checkbox"/> Attachment Required
Site Layout:	<input type="checkbox"/> Attachment Required
Recharge Properties (projected)	
Est. Injection Capacity:	gpm
Has application been submitted to the Regional Board for project approval? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, please provide of application and backup data.	

## ANNUAL SUBMITTAL FOR GROUNDWATER CREDIT

Calendar Year: \_\_\_\_\_

Participant Information	
Landowner/Water User Information	
Contact Name:	
Phone Number:	
Email:	

Recharge Project Type
<input type="checkbox"/> Percolation Ponds/Basins
<input type="checkbox"/> On-Farm Over Irrigation (flood irrigation)
<input type="checkbox"/> Sub Lateral Over Irrigation
<input type="checkbox"/> Dry Well Injection
<input type="checkbox"/> Aquifer Storage and Recovery (ASR)

Recharge Information
Recharge Start Date:
Recharge End Date:
Number of Days of Recharge:
Source of Recharge Water:
<input type="checkbox"/> Kings River Entitlement <input type="checkbox"/> Friant water
<input type="checkbox"/> Kings River floodwater <input type="checkbox"/> Other (specify):
Annual Amount of Groundwater Credit Applied For: _____ Ac-Ft
Submit documentation to support claimed groundwater credit

I hereby certify the above information is accurate to the best of my knowledge.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

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### NFKGSA Staff only

Reduction for Evaporation: \_\_\_\_\_ Ac-Ft

Approved Groundwater Credit: \_\_\_\_\_ Ac-Ft

NFKGSA Approval:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

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## 5 - Next Meeting Date and Proposed Agenda Items

The next meeting date of the Committee will be announced, and agenda items may be proposed.

The Committee will consider finding whether conditions exist such that the Committee may meet remotely pursuant to the provisions of Government Code Section 54953(e) and whether the Committee wishes to exercise that option for the November 2021 Committee Meeting. *Simple majority vote if action is taken.*

| For Decision

[#actionitem](#)

## 6 - Adjournment

The Committee Meeting will adjourn.

| For Information