

## EXHIBIT A SCOPE OF WORK

### 1. Introduction

The intense storms and weather that occurred the first half of Water Year 2023 have resulted in significant snowpack across California, dramatically changing the conditions in many parts of the state from the previous three years of drought. This water year, California had one of the largest snowpacks on record, specifically in the Southern Sierra Nevada, on par with the top 3 snowpack years since 1950. In March 2023, Governor Newsom released two Executive Orders [N-4-23](#) and [N-6-23](#), which enhances flood diversions off high flow rivers caused by snowmelt runoff and increases groundwater recharge by storing water in depleted groundwater basins. Executive Order [N-7-23](#), issued in May 2023, extended the operational period for some of these flood diversion actions until August 31, 2023. These flood diversion provisions were codified in CA Water Code 1242.1. This effort will have a significant impact due to the immense snowpack anticipated to runoff and will help mitigate groundwater depletion due to drought reliance over the past decades. These executive orders direct the Department of Water Resource (DWR) to assist local governments by procuring materials, goods, and services necessary to quickly assist with the response and recovery from these storms.

To help reduce potential flood impact, increase groundwater recharge, and help alleviate constraints brought about by the next drought, DWR has been conducting extensive outreach to local water managers to encourage and support flood diversions.

Many local water managers are maximizing flood diversions into existing water delivery and recharge systems. However, these districts are seeking state assistance to enhance and expand their flood diversion activities and recharge capacity to continue to mitigate current high flows and take proactive steps to mitigating future high flows. Additional flood diversion and recharge capacity will reduce current and future flooding potential. For that reason, the DWR is securing contracts with local agencies and equipment vendors to deploy Temporary Flood Diversion equipment and land clearing, as needed, to maximize flood diversion and groundwater recharge.

### 2. Location of Services

The services will be performed within the City of Visalia boundaries.

### 3. Contract Managers

The Contract Managers during the term of this agreement will be:

<u>Department of Water Resources</u>	<u>Contractor</u>
Name: Steven Springhorn	Name:
Address: 715 P Street, Sacramento CA, 95814	Address:
Phone: (916) 651-9273	Phone:
Cell: (916) 291-8758	Cell:
Email: steven.springhorn@water.ca.gov	Email:

Contract Managers may be changed by written notice to the other party.

### 4. Contractor's Tasks and Responsibilities

#### Task 1 Land Clearing

The Contractor will contract with a third-party contractor to remove crops and/or debris from up to 40 acres of previously working or fallowed lands to prepare the land for receiving diverted water for recharge. The land cleared under this contract will be permanently fallowed and dedicated to groundwater recharge. The Contractor will comply with all applicable laws, regulations, and executive orders. In the event the Contractor does not submit invoices requesting all of the funds encumbered under this Contract, any remaining funds revert to DWR.

#### Task 2 Invoicing

The Contractor will manage the Contract with DWR including compliance with Contract requirements, and preparation and submission of supporting documents and coordination with the DWR Contract Manager. The Contractor will prepare and submit invoices and appropriate backup documentation to the DWR Contract Manager describing the work completed and listing the costs incurred during the billing cycle.

Deliverables:

- a. Contractor invoices to DWR
- b. Vendor Invoices and proof of payment to vendor
- c. Final Invoice
- d. Other supporting documents

Task 3 Reporting

The Contractor will submit regular data reports, as specified below, during the operation of the flood diversion and recharge enhancement equipment, or as specified by DWR. The Contractor will also prepare a final Completion Report and submit to DWR for DWR Contract Manager's comment and review no later than 90 days after completion of work. Details and frequency of data reporting are described below.

The Contractor will:

- 1) Submit Weekly Electronic Diversion Reporting
  - a) Weekly diversion reports will be submitted by using the excel workbook template provided by DWR. All fields will be completed as specified in the workbook and updated weekly (no less than every seven days) as needed.
  - b) Instantaneous and cumulative flow meter values will be recorded immediately prior to the initiation of diversion and will continue to be recorded once each week (no less than every 7 days) through the end of diversion.
  - c) Instantaneous and cumulative flow meter readings will also be recorded immediately prior to the cessation of diversion, for both temporary and permanent cessation.
  - d) If flow meters are not available or operational, flow quantification will be recorded by means available such as check structure and weir calculations, best estimates based on available information, or as specified by DWR. Methodology used to quantify flow will be noted in the excel workbook.
- 2) Submit Monthly Electronic Groundwater Level Measurements
  - a) No less than monthly, groundwater level measurements will be submitted by using the excel workbook template provided by DWR. Throughout the term of the contract, or as specified by DWR, all fields will be filled out and updated at least monthly as needed.
  - b) Groundwater monitoring wells, as determined in collaboration with DWR, should be in the vicinity of the inundated area or the closest known monitoring well(s) to the inundated area.
  - c) Monthly groundwater level measurement data will be entered into the California Statewide Groundwater Elevation Monitoring (CASGEM) or the Sustainable Groundwater Management Act (SGMA) Monitoring Network Module (MNM) portal, as appropriate. DWR staff will assist in entering this data and identifying the appropriate portal for each well.
- 3) Submit GIS Map Files
  - a) An initial GIS map file will be submitted, shapefile format, identifying the approximate area(s) to cleared and inundated for groundwater recharge.
  - b) Updated GIS map files will be submitted as needed with the weekly diversion reporting, when/if the area(s) of inundation change.
  - c) GIS shapefile should include the following features and attributes:
    - i) Land clearing areas polygons
      - (1) Assessor Parcel Numbers
    - ii) Inundated areas polygons
      - (1) Assessor Parcel Numbers
    - iii) Points of Diversions and Monitoring Wells
      - (1) Latitude and Longitude
    - iv) Other features as determined by DWR
- 4) Project Completion Report
  - a) Project completion reports will be submitted within 90 days after completion of work for each task.



- i) The Land Clearing Completion Report (Task 1) will contain:
  - (1) A final GIS map file, in shapefile format, showing all land clearing areas, anticipated inundated areas, planned points of diversion, and nearby monitoring wells anticipated to be used for groundwater level measurements
  - (2) A narrative summary of the completed work, total acres cleared, anticipated diversion volumes, percentage of total diversions/recharge for the district that the land will provide and/or other project information as specified by DWR.
- ii) The Reporting Completion Report (Task 3) will contain:
  - (1) The completed excel workbook capturing all weekly diversion data and at least monthly groundwater level data for the duration of the contract reporting period.
  - (2) A final GIS map file, in shapefile format, showing all land clearing areas, actual inundated areas, points of diversion, and groundwater monitoring wells.
  - (3) A narrative summary of the completed work, total acres cleared, total diversion volumes, percentage of total diversions for the district that the land clearing contributed, and/or other project information as specified by DWR.

## **5. Summary of Deliverables**

- Invoices
  - Contractor Invoice with Vendor Invoices as backup (Word document or PDF)
  - Proof of payment to vendor and other supporting documents (PDF)
  - Final Invoice (Word document or PDF)
- Reporting
  - Weekly Electronic Diversion Reporting (Excel workbook)
  - Monthly Electronic Groundwater Level Measurements (Excel workbook)
  - GIS map files (shapefile)
  - Project Completion Reports (Excel workbook and Word Document)

## **6. Acceptance Criteria**

It will be DWR's sole determination as to whether a deliverable has been successfully completed and is acceptable.

## **7. DWR and Contractor Tasks and Responsibilities**

The Contractor will allow DWR site access to the site(s) where flood diversion and groundwater recharge equipment or activities supported by the contract are in operation and groundwater monitoring wells.