

APPLICATION FOR  
GROUNDWATER AUGMENTATION PROJECT

**Section A: Project Lead**

|                     |       |                          |       |
|---------------------|-------|--------------------------|-------|
| Agency/ Party Name: | _____ | Contact Person:          | _____ |
| Address:            | _____ | Title:                   | _____ |
|                     | _____ | Telephone:               | _____ |
|                     | _____ | Fax:                     | _____ |
|                     | _____ | Email:                   | _____ |
| Current APA*:       | _____ | Alpha No.<br>(if known): | _____ |

\*APA= Allowed Pumping Allocation

**Section B: Other Partners/Participant(s)**

|                     |       |                          |       |
|---------------------|-------|--------------------------|-------|
| Agency/ Party Name: | _____ | Contact Person:          | _____ |
| Address:            | _____ | Title:                   | _____ |
|                     | _____ | Telephone:               | _____ |
|                     | _____ | Fax:                     | _____ |
|                     | _____ | Email:                   | _____ |
| Current APA:        | _____ | Alpha No.<br>(if known): | _____ |

*Describe purpose for participation:*

# CENTRAL BASIN WATER RIGHTS PANEL



|                     |       |                          |       |
|---------------------|-------|--------------------------|-------|
| Agency/ Party Name: | _____ | Contact Person:          | _____ |
| Address:            | _____ | Title:                   | _____ |
|                     | _____ | Telephone:               | _____ |
|                     | _____ | Fax:                     | _____ |
|                     | _____ | Email:                   | _____ |
| Current APA:        | _____ | Alpha No.<br>(if known): | _____ |

Describe purpose for participation:

## Section C: General Information

1. Project Name: \_\_\_\_\_
2. Project Description: Please provide a general description (Executive Summary) of your proposed storage project to this application as "Attachment C-1".
3. Project Construction Start and End Date: From: \_\_\_\_\_ To: \_\_\_\_\_
4. Project Location: Please provide a description and a map(s) showing the location of the proposed project. If the project includes injection wells or dry wells, please provide the exact location of each well (latitude and longitude). If the project includes the capture of stormwater, please include a map and description of the drainage area from which the stormwater will be obtained. Include descriptions and map(s) as "Attachment C-2".

## Section D: Hydrogeologic Information

Provide a complete description of the hydrogeologic and water quality conditions at and in the vicinity of the proposed project. Document how the augmented water will reach and become part of the usable groundwater in the production aquifers of the Basin and not just shallow perched water or other unusable water. Include cross sections and geologic and geophysical logs of boreholes or wells at or near the site demonstrating subsurface conditions. Provide maps showing locations of existing water supply wells within two miles of the project. Provide the depth to groundwater and groundwater flow directions and gradients near the site (groundwater elevation contour maps). Provide conceptual and/or numerical hydrogeologic models to present subsurface conditions and to estimate the impact of captured and stored water on local groundwater conditions, including mounding or changing of local gradients. Provide existing groundwater water quality data at or near the site, the expected quality of planned captured water for storage, and a description of the compatibility of the two water types. Provide information on any contaminated sites located within one mile of the proposed project using regulatory databases or other

# CENTRAL BASIN WATER RIGHTS PANEL



means, including site name and address, contaminants of concern, media affected (soil and/or groundwater), depth of contamination, and regulatory status (closed, inactive, investigative, containment, or remediation). Discuss how the augmented water project may or may not impact the contamination at the identified sites. Describe how the Project will not cause any material or physical harm to the Basin. Label hydrogeologic and water quality information as "Attachment D-1".

## Section E: Augmentation Project Details and Requirements:

1. Describe in detail the design and construction of the proposed augmentation project. Specifically, describe the source of augmented water and method by which the water will be augmented (injection wells, spreading grounds, infiltration galleries/trenches, dry wells, bio swales, etc.); and provide any additional information to demonstrate successful augmentation of water into usable Basin production aquifers. Include details of planned operations and maintenance activities for all project elements for the life of the project. Include detailed information and drawings to describe all measures to capture and infiltrate water desired for augmentation. Label description "Attachment E-1".
2. Parties to whom new rights will be assigned: \_\_\_\_\_  
\_\_\_\_\_ APA (acre feet)
3. All augmentation projects are subject to the following provisions:
  - (1) Regular monitoring to determine the actual amount of such new water replenishing the Basin's production aquifers.
  - (2) Make-up water or equivalent payment will be required if actual water supply augmentation does not meet projections.
  - (3) Adjustment to extraction rights attributable to the Water Augmentation Project to match the actual water created

Is the applicant willing to comply with these provisions:  Yes  No

If not, please explain why:

## Section F: Monitoring and Extraction:

Please attach your responses to the following questions and label "Attachment F-1".

1. Provide a description of how the amount of captured water will be determined, including the proposed metering devices to verify the volume of water augmented and later removed. The project proponent will be required to establish suitable measuring and recording devices to furnish such records as may be needed to determine with reasonable accuracy the quantity of water placed into storage into the usable production aquifers of the Basin and the quantity later recovered under the provisions of the approved project.
2. Describe how the quality of the captured and augmented water will be monitored, including frequency and chemical constituents. Please describe how the project will be protective of the groundwater resources in this portion of the Central Basin and not provide any material or physical harm to the Basin as requested. To analyze the water quality, the suggested chemical analysis list can be found at:

[https://www.waterboards.ca.gov/losangeles/publications\\_forms/forms/npdes\\_supplemental\\_req.pdf](https://www.waterboards.ca.gov/losangeles/publications_forms/forms/npdes_supplemental_req.pdf).

3. Provide a description of the proposed method to extract the stored water, the estimated timeframe in which the extraction will occur, and which party will be extracting the stored water.

## Section G: Environmental Compliance & Permits

Please attach your responses to the following questions and label "Attachment G-1".

1. Environmental Compliance: provide a description and status of all applicable environmental documents required in regards to CEQA/NEPA:
2. Permits, Easements, or Certifications: provide a description and status of all applicable permits, easements or certifications required for the proposed project:

This application may be signed by the parties by facsimile, electronic or digital signature, and such signature shall be deemed valid and binding on the party signing this application in that manner.

Application Completed By (must be a duly authorized representative):

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

Title: \_\_\_\_\_

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

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

**This application must be a stand-alone document with all necessary information included as part of the application. Documents, such as technical memos, studies, soils or infiltration data, modeling reports, etc., may be provided as supplemental information, but pertinent information from those documents must be included in the appropriate sections of this application.**