
WATER AUGMENTATION PROJECT APPLICATION

Water Augmentation Projects are projects that add to the long-term reliable-yield of groundwater in the Central Basin. Water Augmentation Projects are subject to the approval of the Central Basin Storage Panel. All projects must be undertaken in coordination with the Water Replenishment District (WRD). Approval of any project requires, amongst other things, the demonstration of no physical harm or threat of harm to the groundwater supplies of the Central Basin.¹

Applicants will be contacted by representatives of the Administrative Body for a review before submittal to the Storage Panel. Applicants will be responsible for completing any edits if necessary. A notice of the project application and copies of all related documents will be sent to all parties of the Central Basin Third Amended Judgment (Judgement). In addition, all parties of the Judgment will be offered an opportunity to participate in the Water Augmentation Project that is being presented on condition that they share proportionally in common costs and benefits, and assume the obligation to bear exclusively the cost of any improvements that are required to accommodate their individual or particular needs. The notice provided to all parties will include a general description of the project and the opportunity to participate. Notice will be provided with ample time for deliberation and action by any party that may want to participate. The application review process is outlined on the next page.

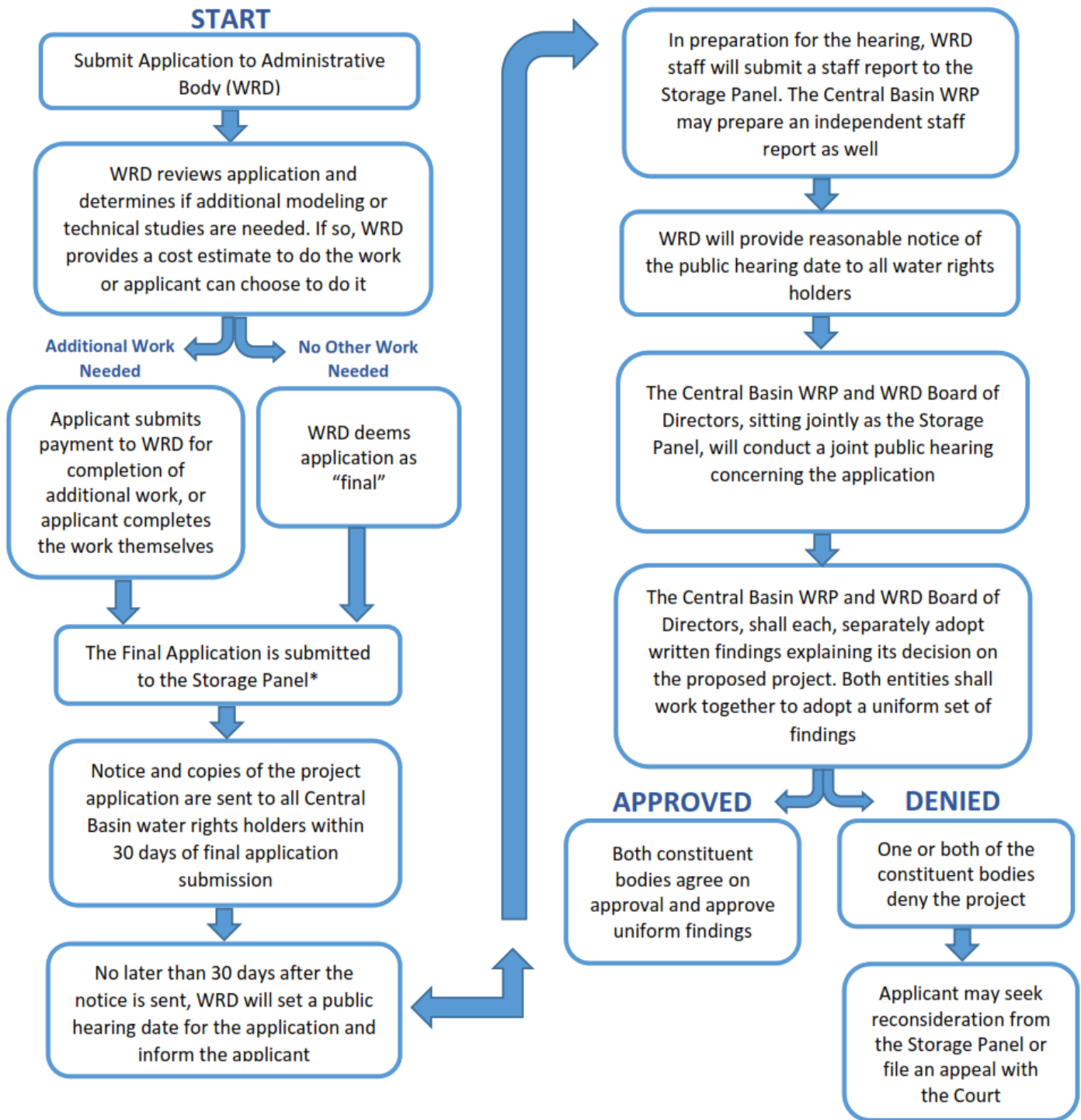
Once the noticing process is complete, Applicants or their designated representatives are required to attend the hearing on the application as scheduled by the Storage Panel. The Administrative Body will coordinate with Applicants to prepare any materials needed for the Storage Panel hearing. Applicants will bear all costs associated with the review and implementation of the proposed project application.

Please fully complete all sections of the application. If more space is needed, answer the question on a separate sheet of paper. If a question is not applicable, please indicate so with "N/A." If you have any questions, please contact Ted Johnson, Chief Hydrogeologist at (562) 275-4240 or tjohnson@wrd.org.

Mail or Email Completed and Signed Application To:
Water Replenishment District of Southern California
Attn: Ted Johnson, Chief Hydrogeologist
4040 Paramount Blvd
Lakewood, CA 90712
tjohnson@wrd.org

¹ For further information regarding the definition of a water augmentation project or material physical harm, please refer to the Frequently Asked Questions on page three.

PROJECT APPLICATION PROCESS



**Storage Panel includes the Central Basin Water Rights Panel (WRP) and WRD Board of Directors*

FREQUENTLY ASKED QUESTIONS (FAQS) FOR GROUNDWATER STORAGE & WATER AUGMENTATION PROJECTS

1. **What is a water augmentation project?** *Pre-approved physical actions and management activities that demonstrate an increase in long-term annual groundwater yield in the Basin.*
2. **What is material physical harm?** *Material physical injury or material diminution in the quality or quantity of groundwater available within the Basin to support extraction of the total water rights or stored water, that is demonstrated to be attributable to the placement, recharge, injection, storage or recapture of stored water in the Central Basin, including, but not limited to, degradation of water quality, liquefaction, land subsidence and other material physical injury caused by elevated or lowered groundwater levels.*
3. **How do I get additional groundwater rights?** *On completion of a Water Augmentation Project, the Storage Panel will award additional pumping rights (APA) to the Applicants if the amount of water produced is at least equal to the proposed increase in extraction rights.*
4. **When can I start pumping my new groundwater rights?** *No water can be produced from a new groundwater right until the quantity of water attributed to the Project is actually introduced into the Central Basin.*

APPLICATION FOR
WATER AUGMENTATION PROJECT

Section A: Project Lead

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

Section B: Other Partners/Participant(s)

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

Describe purpose for participation:

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

Describe purpose for participation:

Section C: General Information

1. Project Name: _____
2. Project Description: Please attach your project description to this application as "Attachment A". The description should include at least the project purpose, project requirements, implementation process, technical requirements and schedule with projected timeline and milestones.
3. Project Construction Start and End Date: From: Month/Year To: Month/Year
4. Project Location: _____
5. Project Location Map: Please provide a map showing the location of the proposed project. If the project includes injection wells, please provide the exact location of each well (latitude and longitude). If the project includes the capture and storage of stormwater, please include a map or description of the drainage area from which the stormwater will be obtained. Label map "Attachment B".

Section D: Hydrogeologic Information

Provide a complete description of the subsurface hydrogeologic conditions in the vicinity of the Project and demonstrate how the stored water will reach and become a part of the usable groundwater in the production aquifers and not just shallow perched or other nuisance water. Include geologic and geophysical logs of any

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drilling at or near the Project to document subsurface conditions, local and/or regional geologic or geotechnical reports of subsurface conditions expected at the Project, maps showing locations of existing water supply wells and groundwater flow directions and gradients, any conceptual or numerical models that estimate augmentation amounts, water quality reports of existing groundwater and planned Project water, and any additional information to demonstrate successful storage or augmentation of water into usable Basin production aquifers. Describe how the Project will not cause any material or physical harm to the Basin. Label description "Attachment C".

Section E: New Water Rights

Please attach your responses to the following two questions and label "Attachment D".

1. Parties to whom new rights will be assigned: _____ APA (acre feet) _____
2. Source of augmented water:

3. Method by which the water will be augmented (injection wells, spreading grounds, infiltration galleries/trenches, dry wells, bio-swales, etc.):

Section F: Water Augmentation Conditions

- 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 no, please explain why:

Section G: Monitoring and Extraction

Please attach your responses to the following two questions and label "Attachment E".

1. Provide a description of 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 to the Administrative Body and Storage Panel 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 (as compared to perched water or unusable water) and the quantity later recovered under the provisions of the approved project.
2. Provide a description of the proposed method to extract the stored water.
3. Provide a description of any potential water quality impacts and planned actions to mitigate such impacts.

Section H: Environmental Compliance and Permits

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

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.

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

Name: _____

Title: _____

Date: _____

Signature: _____

Please include attachments and any other supporting documents, such as Technical Memos, Studies, etc., to this signed application.