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## WATER AUGMENTATION PROJECT APPLICATION

Water Augmentation Projects are projects that add to the long-term reliable-yield of groundwater in the West Coast Basin. Parties to the Amended Judgment in consultation with the Water Replenishment District of Southern California (WRD) may implement a project that provides additional long-term reliable water supplies to the West Coast Basin. Augmented supplies of water resulting from such a project may be extracted or stored as permitted by the Amended Judgment in the same manner as any other water. All water augmentation project applications shall describe the following:

- source of the water
- facilities to be used by the project
- location where the stored water will be introduced into the Basin and extracted thereafter
- government approvals needed to develop and operate the project
- status of any CEQA review documents that have been approved or will be prepared
- any contracts with other Parties to the Judgment relating to the proposed project
- any contracts with other persons or entities to purchase the Stored Water generated by the project

Submitted applications will be processed, reviewed, and acted upon in accordance with Sections V(12) and (13) of the Judgment and Section IX of the West Basin Watermaster Rules.

Water Augmentation Projects require review and approval by the West Coast Basin Storage Panel (Panel). The Panel will only approve a project providing that there is no material physical harm or threat of harm to the groundwater supplies of the West Coast Basin.<sup>1</sup> A party who proposes a Water Augmentation Project is considered the Project Lead. Other Parties to the Judgment will be offered a reasonable opportunity to participate in any Water Augmentation Project on condition that they agree to offer customary written and legally binding assurances that they will bear their proportionate share of all costs attributable to the project or provide other valuable consideration that is deemed sufficient by the Project Lead per Section V (11) of the Judgment. A Party that elects to participate and pays its full pro-rata share of costs associated with the Water Augmentation Project, will receive a proportionate right to extract the water resulting from the project.

Once an application is completed and submitted, applicants will be contacted by representatives of the Administrative Body for a review before a notice of the application is sent to other Parties to the Judgment and the Panel. Applicants will be responsible for completing any edits, if necessary. After receipt of an application, the Administrative Body will provide the applicant with a written estimate of the cost to prepare any groundwater modeling or other technical studies that are deemed appropriate. An application shall not be deemed completed until the applicant provides payment to the Administrative Body to cover the estimated cost of any groundwater modeling or technical study. After payment, the Administrative Body will provide the applicant with written monthly/quarterly account of the use of those funds. Promptly after receipt of the final application, the Administrative Body will send notice of the application to all Parties to the Judgment that

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<sup>1</sup> For further information regarding the definition of a water augmentation project or material physical harm, please refer to the Frequently Asked Questions.

informs them of the opportunity to participate in the Water Augmentation Project in accordance with Section V (1)(B) and (C) of the Judgment. Any Party seeking to participate in the Water Augmentation Project will need to provide notice of its intent to participate within sixty (60) calendar days of the date of the notice.

Within 30 days after completion of all groundwater modeling and other technical studies, or if none are required, within 30 days after the application is deemed complete, the Administrative Body will send a notice of the completed application with copies of all documents, including any modeling or studies completed, draft or final CEQA review documents, the Administrative Body's staff report and recommendation for the project to each member of the Storage Panel and each Party to the Judgment. In addition, a hearing date will be scheduled. Copies of all notices required under CEQA must be provided to the Panel and each party to the Judgment simultaneously with the general public. All CEQA notices pertaining to a project will be posted on the Administrative Body's website.

Applicants or their designated representatives are required to attend the hearing on the application as scheduled by the Panel. The Administrative Body will coordinate with Applicants to prepare any materials needed for the Storage Panel hearing. The application review process is outlined on page 3. The Panel shall determine the amount of additional groundwater extraction authorized as a result of the project. The amount of additional groundwater extraction shall not exceed the amount by which the project will increase the long-term sustainable yield of the Basin. No extraction right shall be established and no extraction shall occur until new water has been actually introduced into the Basin as a result of the project. Per the Judgment, Section V (12)(E), any approval for a Water Augmentation Project shall include the following provisions:

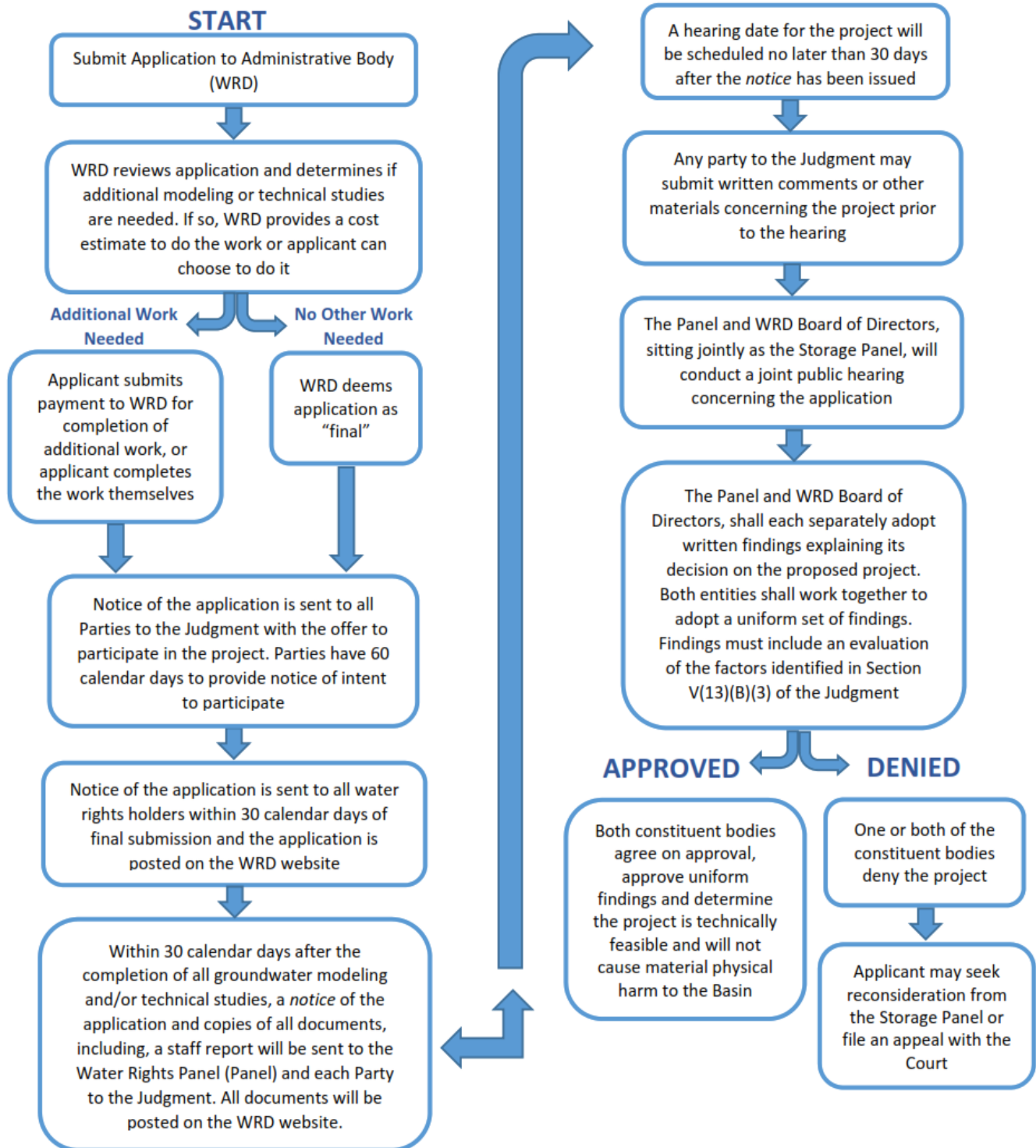
- requiring regular monitoring to determine the actual amount of such new water made available
- requiring make up water or equivalent payment therefore to the extent that actual water supply augmentation does not meet projections
- adjusting water rights attributable to the Water Augmentation Project to match the actual water created

Any approval for a Water Augmentation Project shall be based on a finding that the project is technically feasible and will not cause material physical harm.

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](mailto: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](mailto:tjohnson@wrd.org)

**WATER AUGMENTATION PROJECT APPLICATION PROCESS**



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## FREQUENTLY ASKED QUESTIONS (FAQS) FOR 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 West Coast 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 (adjudicated rights) to the Applicants if the amount of water stored/augmented is at least equal to the proposed increase in adjudicated 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 West Coast Basin.*

APPLICATION FOR  
WATER AUGMENTATION PROJECT

**Section A: Project Lead**

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

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

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

Describe purpose for participation:

\_\_\_\_\_  
\_\_\_\_\_

West Coast Basin  
WATER RIGHTS PANEL



Agency/ Party Name:	_____	Contact Person:	_____
Address:	_____	Title:	_____
	_____	Telephone:	_____
	_____	Fax:	_____
	_____	Email:	_____
Current Adjudicated Right:	_____	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".

**Hydrogeologic Information**

Provide a complete description of the subsurface hydrogeologic conditions in the vicinity of the Project and demonstrate how the stored/augmented 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 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".

**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 and proportionate share of water rights.

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2. Source of augmented water:

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

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**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.

West Coast Basin  
**WATER RIGHTS PANEL**



Is the applicant willing to comply with these provisions:  Yes  No  
If no, please explain why:

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**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 augmented 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.

**Please answer the following questions:**

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.
3. Contracts: provide any contracts with other Parties to the Judgment relating to the proposed project and any contracts with other persons or entities to share in the costs and benefits of the Water Augmentation Project.

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

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

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

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

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