

## Water Storage Investment Program Concept Paper Form

Please complete the questions below and return your completed concept paper by email to [cwc@water.ca.gov](mailto:cwc@water.ca.gov) by 5:00 p.m. on March 31, 2016. Completed concept papers should not exceed four pages.

### Contact Information

<b>Contact Name:</b> Steve Bowhay
<b>Email:</b> <a href="mailto:stevebowhay@hotmail.com">stevebowhay@hotmail.com</a>
<b>Phone Number:</b>
<b>Agency/Organization Name:</b> River Recycler Systems
<b>Agency Type (select one):</b> <input type="checkbox"/> Public Agency <input type="checkbox"/> Nonprofit Organization <input type="checkbox"/> Public Utility <input type="checkbox"/> Tribe <input type="checkbox"/> Mutual Water Company <input type="checkbox"/> Local Joint Powers Authority X Other: Looking for others who want new water

### Project Information

<b>Project Name:</b> Coastal Aquifer Recharge---- Drill and Fill
<b>Project Type:</b> <input type="checkbox"/> CALFED Surface Storage X Groundwater Storage X Groundwater Contamination Prevention or Remediation <input type="checkbox"/> Conjunctive Use <input type="checkbox"/> Reservoir Reoperation <input type="checkbox"/> Local Surface Storage <input type="checkbox"/> Regional Surface Storage X Other: Off Shore Freshwater Reservoir
<b>Estimated Project Cost:</b> \$1.7 Billion
<b>Estimated WSIP Funding Request:</b> \$500 million
<b>Please describe your project, including location, water source, facilities, and operations:</b> This is a recharge project; the aquifers are the largest reservoir, the most secure reservoir, the most important reservoir and the most depleted reservoir. This particular project focuses on the coastal aquifers because they are filling with saltwater at an alarming rate. Many communities have already abandoned wells and are turning to water restrictions as a way of life. This project would target the area around Monterrey and San Francisco Bays. Utilizing our Patented Off Shore Freshwater Reservoir system this project would integrate with storm water capturing projects in Northern California from Redwood Creek, Klamath, Mad, EEL, Navarro, Gualala and Russian Rivers. The freshwater would be desalinated at Sea using energy generated by our SUPER GREEN system before being dispersed through our patent pending Pumping System For Transporting Freshwater In A Saltwater Environment. In aquifers that are already filling with saltwater, the freshwater would be added to the top of the aquifer while pumping the saltwater out of the bottom and returning it to the Sea. Using directional drilling this can be accomplished from the top of the beach in many locations this would save millions on pipelines.

**Per Water Code section 79753, the Commission may only fund the public benefits of water storage projects. Further, ecosystem improvements must make up 50% of the funded public benefits (Water Code section 79756(b)). What public benefits does your project provide? (select all that apply):**

X Ecosystem Improvements X Water Quality Improvements  Flood Control  
X Emergency Response  Recreation

**Please describe the magnitude of the public benefits and how the project will be operated to provide the public benefits:**

According to the most recent studies by NASA Sea Levels have not been rising because of droughts worldwide lowered aquifers and they are absorbing the water from Polar Ice Melt. This proves that recharging California aquifers could also help keep Sea levels from rising. This is one of the few ways we can keep our oceans clean; create green energy while mitigating climate change impacts.

**Water Code section 79752 requires that funded projects provide measurable improvements to the Delta ecosystem or to the tributaries of the Delta. Please describe how your project provides ecosystem improvements in the Delta or tributaries to the Delta:**

**This project would provide a new source of water for irrigation that will lower the pumping from the River and allow more freshwater flow into the Delta.**

**Water Code sections 79755 and 79757 require the Commission to make a finding that a project will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses in the Delta prior to allocating funding for a project. Please describe how your project could help advance the long-term objectives of restoring ecological health and improving water management for beneficial uses in the Delta:**

**The sustainability of the Delta requires many people find a new source of freshwater. Our idea is if there is plenty of water to go around the long term goals will be achieved.**

**Please describe any other benefits provided by your project, such as water supply reliability benefits, and the potential beneficiaries:**

**This project is about filling aquifers, reclaiming aquifer storage space from saltwater and providing constant water supply reliability. Certainly the whole world benefits from any project that slows Sea level Rise.**