

Integrated Storage Investigations Conjunctive Use Program

Integrated Storage Investigations

Conjunctive Use Definition

Conjunctive use is the planned and coordinated use of surface water and groundwater resources to increase dry period water supply.

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Conjunctive Use Team

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- USBR - Liz Howard Mansfield

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Conjunctive Use Principles

- Local Planning Process
- Local Control of Projects
- Voluntary Implementation of Projects
- Priority for In-Basin Water Needs
- Compensation for Out-of-Basin Transfers
- Basin-Wide Planning and Monitoring

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Conjunctive Use Program Phases

- **Phase I:** A basin-wide programmatic evaluation of potential conjunctive use projects through a stakeholder process.
- **Phase II:** Project specific feasibility evaluations, CEQA/NEPA compliance, permits and monitoring, and demonstration projects.
- **Phase III:** Implementation/construction.

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Conjunctive Use Program Status

	<u>Final MOU</u>	<u>Discussions in Progress</u>
American River Basin	X	
San Joaquin County	X	
Westlands W.D.		X
Yuba County W.A.		X
Coachella Valley W.D.		X
LADWP - San Fernando Valley		X
Chino Basin		X
Butte County		X

Integrated Storage Investigations Conjunctive Use Program Funding

- ISI State General Fund
- Proposition 13
- COE Federal Fund
- USBR Federal Fund
- CALFED Grant for Pilot Projects

Surface and Ground Water Conjunctive Management

The goal of the Integrated Storage Investigations Surface and Ground Water Conjunctive Management program is to assist local agencies with improving regional water supply reliability by increasing the coordinated use of surface and ground water. Working cooperatively, local agencies, basin stakeholders, and the Department of Water Resources on behalf of CALFED, will conduct a technical, economic, social, and environmental feasibility evaluation of possible conjunctive management projects within each basin. Full-scale project development and implementation will proceed in basins that demonstrate local approval of feasible alternatives, subject to funding availability. The program has the following principles:

- Local planning process
- Local control of proposed projects
- Voluntary implementation of projects
- Priority for in-basin water needs
- Compensation for out-of-basin transfers
- Basin-wide planning and monitoring

Financial Assistance

In addition to providing planning and technical assistance, financial assistance is available for conjunctive water management project development and implementation. Funding is available from federal and State budget appropriations and State bond measures for feasibility studies, development of comprehensive groundwater and subsidence monitoring programs, development of basin-specific groundwater flow and quality models, and pilot or full-scale project design and construction.

Program Implementation

The Conjunctive Management program will be carried out regionally, developing the best possible approach for each basin. The program will be conducted in three phases.

The process is initiated with the signing of a Memorandum of Understanding between DWR and the county, water district or local agency having basin-wide groundwater management responsibilities. The MOU is a general agreement between the parties to cooperate in the evaluation of the groundwater resources and development of conjunctive management alternatives.

Phase I

During Phase I, a local advisory panel, comprised of civic and technical leaders and other interested parties, will be established for each basin. This panel will guide the development of basin management objectives, bringing together stakeholders to discuss concerns and provide a forum for sharing water management information. This process will result in a basin assessment report (programmatic feasibility study) for each basin, identifying environmental and third-party impacts, future in-basin water needs, long term monitoring needs, and potential conjunctive water management opportunities.

Phase II

Phase II includes project-specific evaluations comprised of feasibility studies, environmental documentation, permit requirements, and development and implementation of monitoring program, and basin wide modeling if needed. For some basins these efforts will begin simultaneously with Phase I.

Phase III

Phase III involves full-scale project implementation.