

CDR Associate's Background, Services & Experience in Water Infrastructure Projects

BACKGROUND AND SERVICES

CDR Associates assists diverse parties to work together and successfully resolve a wide range of complex water infrastructure issues and disputes. For more than 30 years, we have provided multiparty problem-solving and stakeholder engagement processes to help government agencies, the private sector, public interest groups and citizens come together to talk and reach tangible and durable agreements.

We have process expertise in five critical areas:

- **Situation assessments** to evaluate the willingness of parties to engage in collaborative decision-making processes, and take steps to get talks started;
- **Facilitation** of collaborative planning and decision-making processes and public involvement processes involving complex water issues and highly diverse stakeholders;
- **Mediation** of deeply entrenched water infrastructure disputes;
- **Development of formal settlement agreements and institutional arrangements** including contracts, compacts and dispute resolution systems to ensure long-term sustainability of agreements; and
- **Capacity building and training** in collaborative problem solving, facilitation and negotiation to successfully resolve energy disputes.

While we do not provide formal technical or scientific consultation or recommendations, our knowledge in the water infrastructure field enables us to work with you to expedite discussions that involve the interface between technical data, analysis and modeling efforts, and collaborative decision-making procedures. We assist you to secure technical or scientific experts and information necessary for wise decisions, and build broadly supported agreements in a timely and cost-effective manner.

CDR has a number of targeted focus areas in the water infrastructure sector where we provide professional assistance:

- Desalination
- Dams and reservoirs
- Water pipelines
- Flood protection
- NEPA processes
- Organizational decision making and management assistance
- Capacity building

SELECTION OF EXPERIENCE

Dams and Reservoirs

Truman Dam and Reservoir Operations Mediation - U.S. Army Corps of Engineers - Missouri. Mediated a settlement that ended a 15-year battle over environmental and economic issues, involving the operation of a flood control and hydro-generation dam and protection of down-stream environmental and recreational interests. The mediation involved the Army Corps of Engineers, two utility companies, environmental advocacy groups and two state agencies.

Green Mountain Reservoir Operations Mediation - Colorado. Mediated settlement negotiations between West Slope and Front Range parties in Colorado concerning the operation of Green Mountain Reservoir when operational restrictions are in place to prevent a possible landslide slide and adverse impacts to the town of Heeney, which is situated on the shore of the reservoir. Parties included the U.S. Bureau of Reclamation; U.S. Justice Department; the State of Colorado; Northern Colorado Water Conservancy District; Colorado River Water Conservation District; Grand Valley Irrigation Company, Grand Valley Water User's Association, Middle Park Water Conservancy District; Orchard Mesa Irrigation District; Palisades Irrigation District; and the cities of Colorado Springs, Denver and Englewood. The agreement contains an interim operations agreement, provisions for securing water for all parties' needs, and common approaches to address future water issues.

American River Water Supply Project Facilitated Negotiations - California. Conducted a situation assessment of a deeply entrenched water and environmental protection conflict dispute in Northern California that helped bring concerned parties - the U.S. Bureau of Reclamation, the City and County of Sacramento, California, and East Bay Municipal Utility District - to the negotiating table. Subsequently, CDR designed and facilitated six months of multiparty meetings concerning the development of a Supplemental Environmental Impact Statement on use of American River water, siting of a regional water supply project, protection of the environment, preservation of recreational amenities, and meeting municipal water needs in the San Francisco Bay area. The success of the meetings enabled key political decision-makers at local and national levels to reach a final agreement, and resolve decades-long water conflicts in California's Central Valley and Bay Delta.

Central Valley Project Improvement Act Facilitation - California. Facilitated the initial interagency coordination meetings concerning the development of the Central Valley Project Improvement Act (CVPIA) Programmatic Environmental Impact Statement (PEIS), designed to address the potential impacts of the numerous environmental enhancement programs called for by the CVPIA.

Tri-District Water Treatment Project Mediation - Colorado. Mediated among the elected officials and attorneys of three water districts in southern Colorado over terms for sharing a water treatment facility. There had been a series of disputes and lawsuits going through

the Colorado Supreme Court about ownership, expansion, capacity allocation, and financial obligations for the operation of this facility. The parties negotiated an agreement in principal for handling all the major issues in dispute. This has since been formulated into a signed contractual agreement, ending all litigation and leading to a needed expansion of the facility.

Cherry Creek Reservoir Technical Issues Facilitation - Colorado. Mediated between researchers to reach agreement on recommendations to the Cherry Creek Basin Authority; convened and facilitated a panel of experts to settle technical and scientific questions and resolve disagreements about research methods and conclusions; and produced a consensus report from the panel of neutral experts.

Denver Water Board - Citizen Advisory Committee Facilitation - City of Denver, Colorado. Co-facilitated a public input process regarding the proposed Two Forks Dam Reservoir. Small group problem solving was used to collect and refine concerns and proposals for the mitigation of negative impacts. Recommendations were made by the problem-solving group to the Citizens' Advisory Committee and the Denver Water Board.

Metropolitan Water Roundtable - Water Conservation Task Group Facilitation - Colorado. Served on a team of facilitators who worked with more than 20 diverse urban and rural parties to address issues of water development for the Denver metropolitan area to consider whether the controversial Two Forks Dam and Reservoir should be constructed. The CDR Partner helped facilitate meetings of the Conservation Task Group, which ultimately developed a process to introduce and implement metering for the metro Denver area.

Water Pipelines

Water Pipeline Construction Project Stakeholder Engagement Process - Public Works Department, City of Boulder, Colorado. Served as a consultant to the Public Works Department, advising the staff on public input process for maximizing citizen input into the design, construction and mitigation of the impact of a pipeline construction project and coaching city personnel in their negotiations with landowners and other agencies. This project involved the replacement of a major raw water pipeline servicing the city and delivering water from the city's watershed to its treatment plant. The proposed pipeline impacts federal forest service lands and residential areas and has generated considerable public and agency concern.

Desalination

Middle East Desalination Research Center (MEDRC) Strategic Planning Process - Middle East. Facilitated a series of strategic planning meetings for MEDRC's Core Parties (Israel, the Palestinian Authority and Jordan) and its international Board to develop proposals for the development of trilateral desalination water projects and programs, and the creation of three National Centers of Excellence for water management. MEDRC is a component of the Middle

East peace process. Its mission is to provide an ongoing forum for dialogue between parties in the region and contribute to the achievement of peace and stability in the Middle East and North Africa by promoting and supporting the use of desalination to satisfy the needs of people for available, affordable, clean, fresh water for human use and economic development. A major component of MEDRC's initiative is development of funding to build pilot and larger desalination facilities in Gaza, West Bank and Jordan. Facilitation assistance was supported by the U.S. State Department and the U.S. Bureau of Reclamation.