



**Kiewit**



# **DESALINATION** CAPABILITIES

Schedule constraints, growing public scrutiny and regulatory hurdles can be challenging to manage and overcome. From plan and permit to design and construction, Kiewit uses collaborative project delivery methods that can shorten schedule and lower overall cost. As a result of our financial strength and world-class track record, including the largest seawater and brackish water desalination plants in North America, Kiewit is positioned to serve as a competent and powerful partner.

# OFFERINGS

## STRATEGICALLY POSITIONED

Our strong financial position coupled with our proven reputation for price certainty helps our clients' efficiently secure projects. We have entered into nearly every type of contractual arrangement, and we assist clients in assessing the financial and contractual structure necessary to economically secure their investment. Communication and alignment on risk-sharing are integral to our project's success.

## CONSTRUCTION-DRIVEN ENGINEERING

Since installing and commissioning over 80.5 MGD in the past decade, we have become the most experienced contractor of large-scale desalination plants in North America. By staying one step ahead of the unexpected and leveraging our extensive construction experience and integrated design-build approach, we proactively look ahead in order to maintain schedule, cost and quality. Because of our established nationwide relationships with OEMs, our teams provide solutions to unique problems while remaining neutral to technology selection.

## FULL TURN-KEY APPROACH

Kiewit's comprehensive, systematic approach to validating, structuring and delivering projects allows our clients to focus on maximum capacity and optimal lifecycle costs. We bring decades of experience in the field and our industry leading engineering capabilities benefit our clients with comprehensive turn-key solutions that are designed for project site requirements—no matter how unique the project's circumstances.

- OEM Technology Selection
- BOP Capabilities
- Permitting & Regulatory Coordination
- Structural
- Mechanical
- Electrical
- Civil
- Resident Engineering
- Startup and Commissioning

# SELECT EXPERIENCE

Our projects are equipped with state-of-the-art treatment process technologies and incorporate progressive design and construction practices. Our focus is to reduce electrical demand and environmental impacts while providing the surrounding communities with critical water supply.

## CARLSBAD DESALINATION PLANT *CARLSBAD, CA*

Design and construction of the largest, most technologically advanced and energy-efficient seawater desalination plant in North America. Scope included a SWRO facility with a pumping station and produced water storage and a 10-mile, 54-inch high-pressure welded steel conveyance pipeline. Kiewit also managed the seamless integration between the 50 MGD plant and the distribution system, which included nine jack and bore crossings, over 900 existing utility crossings, a 1,750 LF tunnel and 42 manways.

## CHARLES E. MEYER DESALINATION PLANT *SANTA BARBARA, CA*

Led BOP design and construction of the facilities, structures and infrastructure for this 3 MGD desalination plant. The revitalized plant and overall system uses state-of-the-art technology and incorporates progressive design and construction practices in all facilities and systems to reduce electrical demand and environmental impacts while providing a critical water supply for the city.

## KAY BAILEY HUTCHISON DESALINATION PLANT *EL PASO, TX*

As the largest brackish water desalination plant in North America, this 27.5 MGD plant has the capacity to meet the needs of both the City of El Paso and Ft. Bliss Army Base. Working within the constraints of a 22-month schedule between notice to proceed and substantial completion, Kiewit performed all structural concrete work; set all embed items for mechanical equipment and structural steel; installed pumps, piping, RO skids, chemical systems and equipment; and performed start up and commissioning.



# JOBS DONE WELL

As a leading engineering and construction company, Kiewit brings a wealth of diverse resources and a track record for delivering the highest quality results—on budget and on schedule. Our size and experience provide the stability, predictability and know-how our clients and partners expect—and the flexibility and overall value they deserve.

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