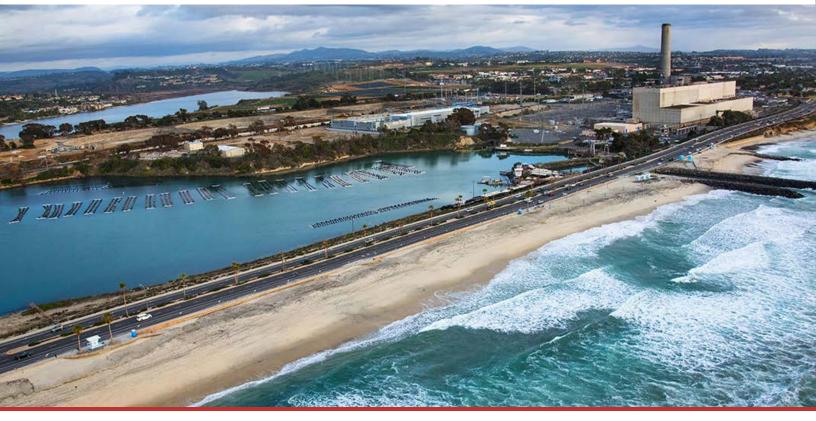
# THE UNITED STATES CONFERENCE OF MAYORS



INTRODUCTORY WORKSHOP THE FUNDAMENTALS OF PUBLIC-PRIVATE PARTNERSHIPS



# Carlsbad Desalination Plant CARLSBAD, CA

Project Type:	Water
Agency Owner Name:	San Diego County Water Authority
Financial Close:	May 2007
Delivery Structure and Term:	30 year Concession
Cost to Design and Construct:	\$900 million

**THE CHALLENGE:** With a growing population and consistently dry conditions, the scarcity of drinking water in the area needed to be addressed.



### **CASE STUDY: CARLSBAD DESALINATION PLANT**

THE SOLUTION: Carlsbad's reverse osmosis seawater desalination plant is designed to process 54 million gallons per day. Located next to the Encina Power Station, it is the nation's largest seawater desalination plant, producing an average flow of 50 million gallons per day (MGD) of drinking water from seawater through a reverse osmosis process that results in a brine waste approximately twice the salinity of the ocean. Seawater for the plant will be drawn from the cooling water discharge of the power station, and wastewater will be returned into the ocean using the power station's existing discharge canal.

#### THE OUTCOME:

Design to construction completion timeline:	N/A
How was the project financed/paid for?	Senior Secured Private Placement Debt
PROJECT TEAM:	
Equity Provider:	Poseiden, Stonepeak
Design-Build Contractor:	Kiewit, Shea
Lead Design Firm:	N/A
O&M Contractor:	IDE Technologies
Additional Key Team Member:	N/A

## **POLITICAL CONTEXT:**

Jerry Sanders 2005-2012 **Recent Mayors:** Was there a city election prior to the project's completion? No Was a new mayor elected prior to the project's completion? No Does the state have P3 enabling statute? Yes Did the city have certified P3 procurement staff? No

#### WHAT MAKES THIS A P3?



**Risk Transfer** 

Long Term O&M

Private Financing



**Performance Based** 

**Public Ground Ownership** 



**Public Purpose** 



