

California Desalination Plant Tours

June 7 - 8, 2024

Drew Molly, Chief Operating Officer

June 11, 2024



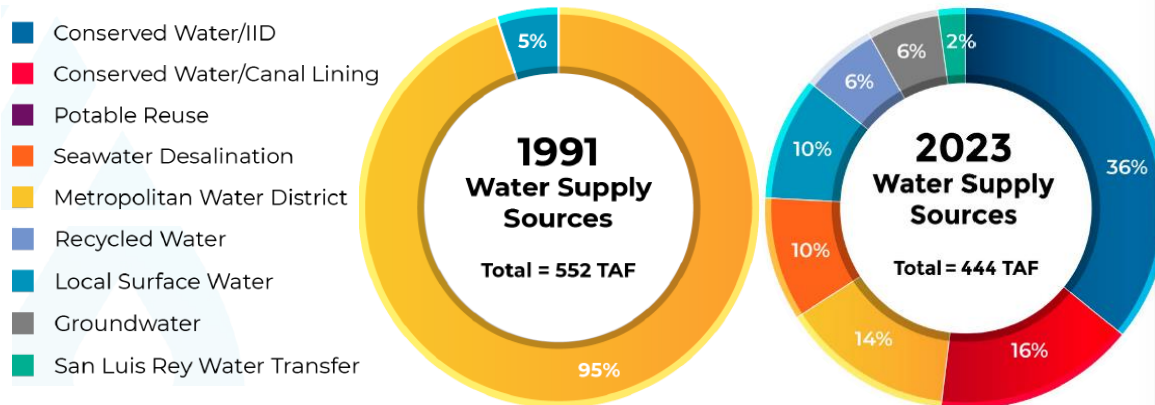
Desalination Plant Tours (June 6-7)

- City leadership, CCW staff, Regional Partners, Councilmembers Barrera and Suckley; and Congressmen Cloud and Carbajal participated in seawater desalination facility tours and discussions
 - Claude “Bud” Lewis Carlsbad Desalination Plant
 - Charles “E” Meyer Desalination Plant



Desalination Plant Tours

- Claude “Bud” Lewis Carlsbad Desalination Plant (on-line 2015)
 - Largest, most advanced seawater desalination facility in North America
 - Delivers up to 50 million gallons a day (MGD)
 - Meets approximately 10% of the regions demands
 - Diversified water system
 - 1,100-1,500 ft from commercial and residential areas



Why Ocean Desalination?

- ▶ New, local water supply ✓
- ▶ Reduces need for imported water ✓
- ▶ Drought-proof supply ✓
- ▶ Improved water quality ✓
- ▶ While more expensive than existing imported supplies, cost on par with other new, local water supply alternatives ✓
- ▶ Enhances regional supply reliability and local control ✓
- ▶ Strong public support



Desalination Plant Tours

- Claude “Bud” Lewis Carlsbad Desalination Plant



Desalination Plant Tours

- Charles “E” Meyer Desalination Plant (built in 1991, reactivated in 2017)
 - Delivers up to 3 MGD, expansion up to 8.9 MGD
 - Meets approximately 30% of the regional demands
 - Diversified water system
 - Immediately adjacent to a church and approx. 600-ft from hotels



Desalination Plant Tours

- Charles “E” Meyer Desalination Plant



Desalination Plant Tours Key-Takeaways

- ✓ San Diego and Santa Barbara water systems are Regional water suppliers
- ✓ A diversified water system is key for success
- ✓ Both providers stressed the importance of transparency and engagement during procurement, design, and construction.
- ✓ Control over the water system is imperative
- ✓ Environmental responsibility and stewardship – negligible environmental impacts
- ✓ City's proposed plant will incorporate best available technologies and processes. First seawater desalination plant in USA with jet diffusers.
- ✓ Seawater desalination can be implemented successfully and responsibly



**San Diego County
Water Authority**



CCW Corpus
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Serving the Coastal Bend

Four horizontal, wavy bands of blue and cyan colors, resembling water or waves, spanning the upper half of the slide.

Thank you!

