

SUCCESS STORY

Mobile service capabilities prove no challenge too remote
Successfully deploying our mobile purification fleet to keep a remote power plant online delivering critical energy during a heat wave

CLIENT

Nevada power generation plant

PRODUCTS + SOLUTIONS

Mobile Deionization (MODI) trailers
Filtration and Reverse Osmosis (RO) trailers

THE CHALLENGE

- Heat wave creates excess demand
- Continuing maximum output requires an extra 150 gpm of high purity water
- Brackish water is only nearby source

THE SOLUTION

- Deploy mobile water filtration trailer fleet
- Get the trailers connected and rapidly deliver purified water
- Manage filtration sequence to maximize quality while minimizing exchange needs

THE RESULTS

- Delivered high-purity water quantity and quality required to keep the plant online through the heat emergency
- Effectively minimized MODI trailer exchange needs to prevent disruption and contain solution costs
- Successful solution ensured the power stayed on and no challenge was too remote for our flexible, scalable mobile water filtration services

THE CHALLENGE

An extended and severe heat wave caused a remote 598MW combined cycle power plant in the Nevada desert to struggle with excessive power demand.

The combined heat and excess production load created an emergency need for 150 gpm of supplemental high purity water to continue maximum output operations.

The only available water source was brackish and unsuitable for their needs.

THE SOLUTION

Puretec's mobile equipment and rapid deployment capabilities ensure we can support emergency and temporary needs with scalable solutions to meet any challenge.

The high-conductivity water source could require frequent Mobile Demineralizer (MODI) trailer exchanges, while the extremely remote location increased the opportunity for disruption to trailer delivery.

Puretec immediately mobilized a 150 gpm Filtration and Reverse Osmosis (RO) trailer to pretreat the brackish water, along with two MODI trailers to ensure continual filtration while minimizing exchange needs.

With three simple, 3" hose connections, the RO trailer immediately began delivering water purification services.



QUICK, EFFECTIVE & EFFICIENT

Puretec's rapid deployment and mobile filtration capabilities delivered the water quality and quantity the power plant needed to stay online.

The RO trailer removed more than 98% of incoming conductivity effectively extending the MODI trailers service periods and minimizing exchange frequency.

The layered filtration approach provided a reliable solution with less frequent MODI trailer exchanges reducing potential transportation issues and supply interruptions. Additionally, fewer exchanges reduced the overall solution cost for the duration of the emergency.


Puretec's creative solutions and effective, rapidly deployed mobile services kept the plant functional and the power on.

Learn more about how Puretec's MODI fleet delivers effective solutions or ultra-pure demineralized and deionized water.



Let's Build Something Together

Puretec has strategically located facilities in the Southwest to provide immediate service for your high purity water needs.

 **Oxnard, California**


3151 Sturgis Road
Oxnard, CA 93030

 **Anaheim, California**


1815 S. Lewis Street
Anaheim, CA 92805

 **San Diego, California**

7151 Ronson Road
San Diego, CA 92111

 **San Jose, California**

1291 Oakland Road
San Jose, CA 95112

 **Gilbert, Arizona**

1440 N. Hobson Street
Gilbert, AZ 85233

ABOUT PURETEC

We're an innovative industrial water service company providing high purity solutions with hundreds of uses across dozens of industries. Our pure water solutions include deionized water service, water softening, reverse osmosis, mobile trailers, and many other advanced filtration solutions.

An independent, family-owned business, Puretec believes in doing our best in everything we do, acting with integrity, and treating our clients and employees with respect. We're proud to be a certified "Great Place to Work."

It's not just water.

It's Puretec!

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