

nona RECOVER

ADVANCED COOLING TOWER BLOWDOWN WATER RECOVERY



CUT COOLING
WATER USE
BY UP TO
50%

Introducing **nona** RECOVER

Patented MIT purification tech gives direct evaporation coolers cooling system state-of-the-art water efficiency.

nona-technologies.com | sales@nona-technologies.com

RECOVER Data Center Water

Water availability has emerged as the #1 constraint on data center growth. The growing trend of on-site power generation further multiplies water use. projections.

The industry is being forced to choose between power hungry air cooling, and efficient but thirsty evaporative cooling.

The Nona RECOVER system enables the best of both worlds.

RECOVER bolts on to any evaporative cooling tower and cuts cooling water use by up to 50%. Now the most affordable, efficient, and compact cooling option also boasts state-of-the-art water efficiency.

Lowest Cooling OpEx

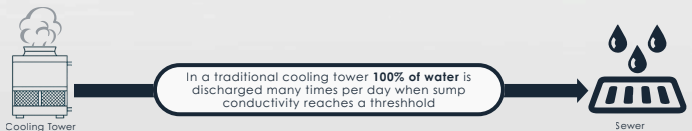


Savings Potential

Data Center Capacity (MW)	Cooling Tower Size (Tons of Refrigeration)	Annual Water Savings (Gallons)	Estimated Annual Savings (USD)
5	2,000	6.3 Million	\$72,000
50	20,000	63 Million	\$720,000
250	100,000	310 Million	\$3,600,000
500	200,000	630 Million	\$7,200,000
1000	400,000	1.3 Billion	\$15,000,000
2000	800,000	2.5 Billion	\$30,000,000

*Table assumes a starting point of 2.7 Cycles of Concentration, \$6.13 per kGal for makeup water, \$7.23 per kGal for sewer, \$0.15/kWh electricity, and 3,720 operating hours per year. Savings figures are net of incremental RECOVER OpEx

Traditional Operation



With RECOVER



Features



Small & Easy to Retrofit

The RECOVER system is a simple plug & play addition to any cooling tower, new or old. The compact form factor of RECOVER allows it to fit easily into any mechanical room so you can start saving water and money with ease.



Modular

Each module can treat up to 10 GPM of water which correlates to roughly 600TR of cooling capacity. Multiple systems can be easily colocated and connected to one another to modernize larger cooling systems.



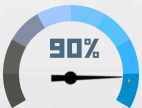
Removes TDS & TSS

Originally designed to desalinate seawater, our patented process makes easy work of high mineral and chemical content cooling water. Many products on the market filter out suspended solids, RECOVER handles dissolved solids as well.



Energy Efficient

Our patented process is the most efficient way to remove minerals and chemicals from cooling water. Our system will not even be noticeable on your electric bill, but will return considerable water and sewer savings.



High Recovery

The RECOVER system operates at a 90% Recovery Rate, which is higher than even the best RO systems. For every 10 gallons that leave your cooling system as waste, we send 9 of them back into circulation cleaner than tap water.

Contact us to learn how much you could save
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Not Reverse Osmosis, ICP.

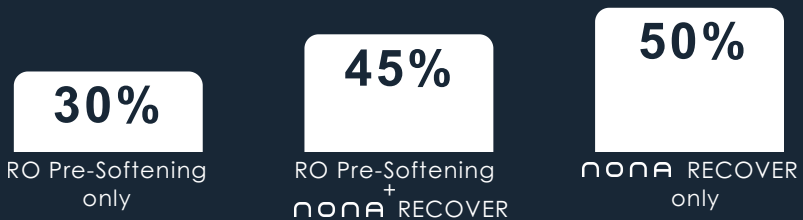
ICP is like cleaning water with an electromagnet.
The process was developed by our team at **MIT**.

The **first** to purify with

- No Heat
- Low Pressure
- No traditional membrane filtration

How does this compare to pre-softening cooling water with Reverse Osmosis (RO)?

Cooling water volume savings potential vs baseline*



*baseline assumption is 2.0 CoC with 600 uS/cm makeup water

Contact us to learn how much you'll save

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