

Urgent Repairs Project Experience List



Ormat Heber

Header Failure

Heber, California

October 2018

3-week Lead Time

During a scheduled structural replacement, the header failed, blowing through the fill and falling into the air inlet. The outage could not be extended.



EKPC Spurlock Unit 1

Header Failure

Maysville, Kentucky

October 2018

6-week Lead Time

The header collapsed, tearing down a large percentage of the structure and internals in the end cell. This took the tower completely offline and required a nearly complete cell replacement.



Heartland Corn

Fill & Structural Failure

Winthrop, Minnesota

January 2019

2-week Lead Time

Due to fill fouling and ice damage, the very heavy fill was falling from the tower and damaging structure. Tower capacity was reduced below acceptable limits and tower failure was imminent.



OG&E Muskogee

Ice Damage

Fort Gibson, Oklahoma

May 2019

2-week Lead Time

Significant ice damage resulted in failed columns, failed louvers, and fallen/deformed fill sticks. Performance wasn't seriously impacted, but the structural integrity was.



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Calpine Sulphur Spring Unit 14

Fire Damage
Middletown, California
November 2019
2-week Lead Time

A fire at the end cell of the Class 600 crossflow took the tower out of service. EvapTech mobilized to site, assessed the damage, & performed repairs to bring the tower back into service within one week.



Linde Plant 849

Mechanical Failure

Texas City, Texas
October 2020
2-week Lead Time

When the driveshaft failed, a piece was thrown, damaging the fan blades, fan stack, & mechanical support assembly. New mechanical equipment was required for expedited fabrication & installation.

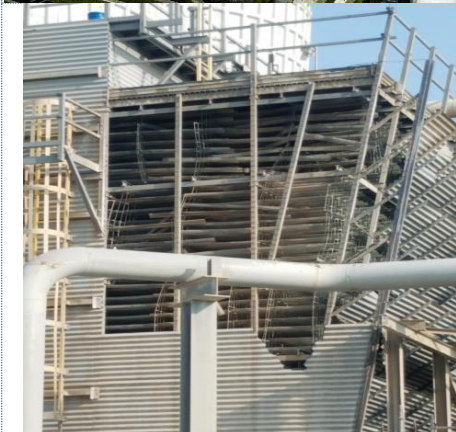


Linde Plant 742

Tornado Damage

Deer Park, Texas
June 2021
1-day Lead Time

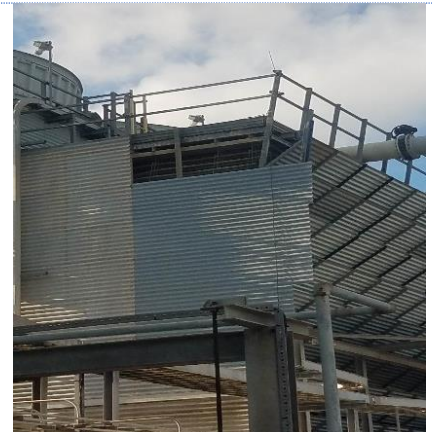
Tornado damage took the cell offline due to damage to the fan sack, fan blades, fan deck, structure, & mechanical support assembly. Repairs were complete within one week.



Cornerstone Melamine

Hurricane Damage
Westvaco, Louisiana
August 2021
2-day Lead Time

A hurricane pushed the fan stack out of alignment and damaged end wall casing, louvers, & fill. The repairs were complete within one week of mobilization.



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Cleco Acadia Power Block 1

Distribution Failure

Eunice, Louisiana

February 2022

5-day Lead Time

The distribution system experienced an upset which blew out the laterals in two of the tower's cells. New laterals, nozzles, & drift eliminators were required for delivery & installation before the cells could be operated.



Deerhaven Unit 2

Fire Damage

Gainesville, Florida

March 2022

2-week Lead Time

A fire at the end cell of the Class 600 crossflow took the tower out of service. EvapTech replaced two cells of the cooling tower completely within six weeks.



Crist Unit 4/5

Header Failure

Pensacola, Florida

August 2023

5-day Lead Time

The header & structure at the end of the crossflow tower collapsed. EvapTech mobilized to site, capped the header to get the tower back online within two days until the structure was repaired, and then replaced the pipe.



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