



DUAL SOURCE RETROFIT CASE STUDY

Corning Cable Systems Reynosa, Mexico

- Completed in September, 2004
- Ten Dual Source systems
- Average capacity increase of 24%
- Average efficiency increase of 52%

Ten Dual Source systems in conjunction with two cooling towers were retrofitted onto a total of five 400-ton air cooled chillers at this industrial manufacturing plant. Pre/post testing was performed between March and September that documented significant gains in unit capacity and efficiency; exceeding initial projections. The average improvement for the five units over all operating conditions during the test period resulted in a capacity increase of 24% and an efficiency increase of 52%.

Dual Source technology utilizes a combination of water to refrigerant and air to refrigerant heat exchange to provide additional subcooling and desuperheating.

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