

# Trane EarthWise System Ice-Enhanced Air-Cooled Chiller Plant



Economical cooling for comfortable learning environments



## One cooling system. Multiple benefits.

Lower costs aren't the only advantages of the Trane® EarthWise™ ice-enhanced air-cooled chiller plant. Classrooms can be quieter too, since Trane ice-enhanced chillers work harder after school hours. School districts also can enjoy lower equipment costs, reduced maintenance requirements and environmental sustainability benefits.

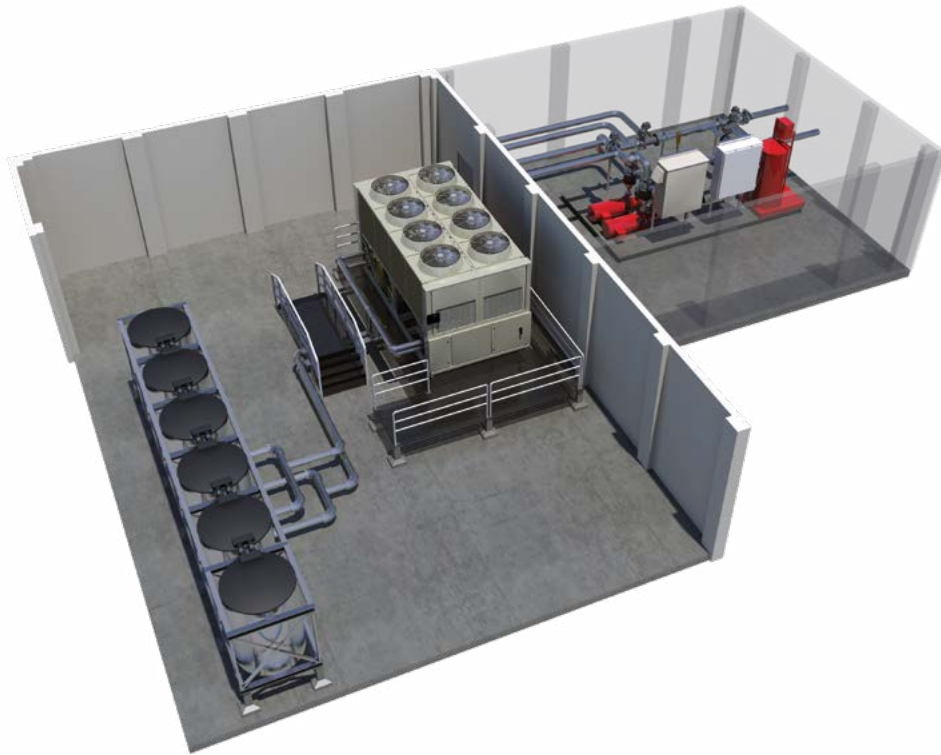
## A proven solution for rising operating costs

Trane® EarthWise™ ice-enhanced air-cooled chiller plants are designed to work at night, when utility rates are the lowest. Ice is stored in insulated tanks, and then is used during the day to cool school buildings. The result is comfortable classrooms at a lower cost.

## A budget-friendly cooling solution

Trane® ice-enhanced chiller systems have first costs that are competitive with non-ice systems, but offer monetary advantages that non-ice systems can't match:

- **Lower operating costs**, due to more of the ice-enhanced system's electrical demand taking place during off-peak hours when utility rates are at their lowest.
- **Utility incentives and promotions**, which can normalize operating budgets and reduce or offset system maintenance costs or future investments, increasing the overall ROI of the system and reducing its payback period.
- **Lower equipment costs**, due to an ice-enhanced system's ability to use a smaller chiller to provide the same cooling capacity as a non-ice system.



Trane chillers create ice that's stored in CALMAC® IceBank™ thermal energy tanks.

### Promotes environmental sustainability

By producing ice at night, Trane systems reduce utility providers' need to bring less-efficient or "dirtier" power plants online during peak daytime hours — and may also slow the need for new power plants. The nighttime electricity used by Trane ice-enhanced systems often comes from more environmentally sustainable sources, including wind energy. Trane ice-enhanced chiller systems also consume no water — a benefit in many areas where water shortages are an acute or growing problem.

### Lower maintenance costs

Trane ice-enhanced cooling systems use durable ice storage tanks that are virtually maintenance-free — and don't use cooling towers, so they don't need cooling tower maintenance.

### Options for quiet operation

By operating an ice-enhanced cooling system's chiller primarily at night, the chiller is quieter during school hours. For more sound reduction at any time of day, available Stealth™ chillers offer three levels of acoustic reduction treatments, including the InvisiSound™ Ultimate package, with the lowest published air-cooled chiller sound levels in the industry.

### A proven, single-source solution

Decades of ice-storage application experience are your assurance that a Trane ice-enhanced cooling system will deliver optimal performance. If assistance is required, you can be confident that every part of the system is backed and can be serviced by Trane.



For more information about Trane ice-enhanced air-cooled chiller plants for schools, visit [Trane.com/ice](https://www.trane.com/ice) or contact your Trane account manager



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