

Analyzing Improvements in Cooling Plants



What are your options when you want to save on energy and operational costs?

Trane Option Analyzer

Trane Option Analyzer is a software tool that provides a quick, accurate means for you to evaluate the possible savings from improvements to your cooling plant. By utilizing this tool, your Trane account manager will generate a detailed simulation of your building and equipment operation. You will be able to see a side-by-side comparison of the available savings options.

How are the savings calculated?

Option Analyzer simulates your cooling plant based upon peak cooling load, building type, energy costs and location and hours of operation – all information that you provide.

Where is it used?

Option Analyzer is designed to provide accurate and detailed operating cost answers for common cooling plant decisions including:

- Replacing one or more chillers or cooling devices

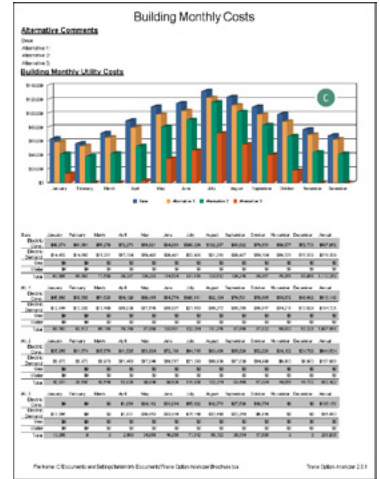
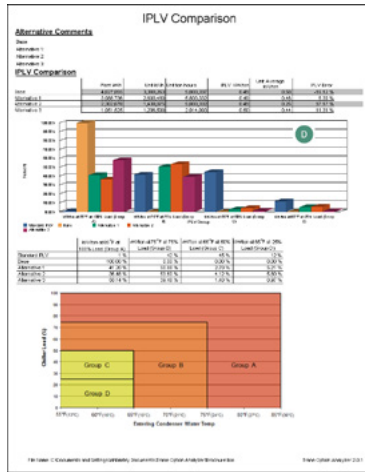
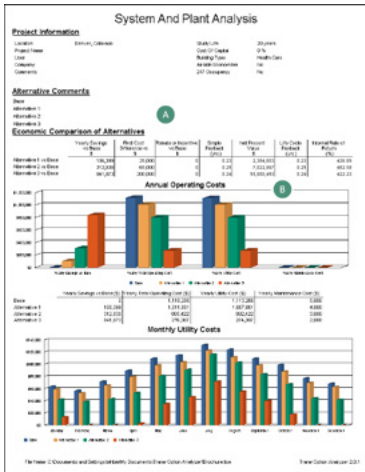
- Upgrading chillers to variable speed operation
- Upgrading cooling systems, including cooling towers, pumps and fans, to variable speed operation
- Upgrading cooling plants to Trane Tracer controls
- Using an air-cooled versus water-cooled unit

What does it provide?

- Cooling plant annual operating costs, which factor chiller, cooling tower, and pumping energy. It's more accurate than models that look at just the chiller.
- Equipment simulation based upon industry standard ratings and the actual load and weather conditions. This is far better than BIN evaluations that assume a savings without ever modeling the cooling plant's usage.
- Detailed report that provides annual operating costs, simple payback, and even life cycle cost analysis of the various options. Each report includes the input assumptions so that accuracy can be verified.

What are the benefits?

Taking the guessing out of improvement projects for your cooling plant. Many projects are not pursued simply because savings and paybacks are not understood. By working with your Trane account manager, you will receive the Option Analyzer report with detailed simulation of your building and equipment. It can be the first step to substantially reduce the operating cost of your building's cooling plant.



For more information or to have your facility evaluated, call your local **Trane office**.

1. Alternatives are based on your building, its equipment and your operating load.
2. Side-by-side comparison of alternative totals, utility and maintenance costs. Includes the simple payback, net present value, life-cycle payback and internal rate of return.
3. Building utility costs broken down into month-by-month data. Results are provided both in graphical and tabular format.
4. Graphic depiction of IPLV assumptions versus your true building operating performance.



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