

# CITY CENTRE CHILLED WATER PLANT, NV



## Contract Details

### Contract Type:

Design/Build; Own and Operate;  
Energy Savings Performance  
Contract

### Technology Type:

Energy Efficiency; District Energy

### Facility Size:

Five Buildings

### Energy Project Size:

\$11 million



## Customer Benefits

By connecting to the central City Centre Chilled Water Plant system, the building owners can outsource a non-revenue-generating asset while assuring reliable, safe comfort for their customers and tenants. Owners are provided with an alternate investment and space use strategy. Having the City Centre Chilled Water Plant supply chilled water via pipe connections eliminates the need to invest in expensive physical plant equipment and to operate and maintain that equipment. Owners simply pay a monthly bill based on the actual consumption and contracted capacities.

and it had to be accessible via the Internet at any time, from anywhere. The City Centre Chilled Water Plant was designed for and is now controlled entirely by a Yamas Control's Tridium, Inc. Control System using Vycon Building Automation Suite software.

The energy conservation measures included installation of 3,600 tons of electric centrifugal chillers, a variable speed chilled water pumping system, new cooling towers, new direct digital control energy management system, and an underground and above ground chilled water piping distribution system.

## Services Provided

Before design began, it was soon recognized that the City Centre Chilled Water Plant needed to be as energy efficient and easy to operate as possible. It also needed a software infrastructure that would seamlessly integrate equipment that used "best-of-breed" controls, along with legacy systems. This system also had to provide a plethora of real-time information in order to provide energy consumption information to clients to produce billing agreements for the customers.

Finally, because the facility was going to be unmanned most of the time, the software needed to have real-time alarming capabilities to warn Ameresco personnel of problems and anomalies,

## About Ameresco

Ameresco, Inc. (NYSE:AMRC) is one of the leading energy efficiency and renewable energy services providers. Our energy experts deliver long-term customer value, environmental stewardship, and sustainability through energy efficiency services, alternative energy, supply management, and innovative facility renewal all with practical financial solutions. Ameresco and its predecessors have constructed billions in projects throughout North America.

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