

# GlobeOp Financial Services

Yorktown Heights, NY

## Background

GlobeOp Financial Services (LSE:GO) is a leading, independent financial administrator specializing in middle- and back-office services and integrated risk reporting to hedge funds, managed accounts and funds of funds. GlobeOp also provides expertise to asset management firms and other sectors, including family wealth offices, insurance companies, pension plans, corporate treasuries and private regional banks. Established in 2000, GlobeOp serves more than 190 clients worldwide, representing \$159 billion in assets under administration (AuA). With headquarters in London and New York, GlobeOp employs over 1,800 people on three continents.

To support these operations, GlobeOp has 20,000 square feet of data center space in Yorktown Heights, NY, that it acquired in 2008. To reduce its environmental impact and enhance operational effectiveness, GlobeOp sought to reduce energy consumption and waste in its newly acquired data center.

***“Through its incentive, NYSERDA’s Data Center Efficiency Program helped GlobeOp implement this project by reducing our capital expenditures. Working with NYSERDA has not only been rewarding from a financial perspective, but also an educational one, allowing us to work with outside experts in the field and share knowledge on energy-efficiency issues.”***

*– John Lomurno, Associate Director,  
GlobeOp Facilities*

## Program Recommendations and Incentives

When GlobeOp designed its Yorktown Heights data center, it made a decision to optimize energy efficiency at the facility. While the implementation of more energy-efficient equipment would ultimately reduce GlobeOp’s electrical usage and power bills, it would increase the overall cost of the project. To help offset these costs, GlobeOp researched incentive programs and contacted NYSERDA to learn how NYSERDA could help with their project. Discussions with the NYSERDA program team helped GlobeOp identify data center projects eligible for incentives available through the Industrial and Process Efficiency (IPE) Program to offset the costs of those projects. GlobeOp’s location in Yorktown Heights qualified the organization to earn \$0.12/kWh saved over a one-year time frame for the implementation of more energy-efficient equipment in its data center. The availability of this incentive helped move the project forward.

## Metrics and Results

To reduce the environmental impact of its data center operations and enhance its operational effectiveness by limiting energy consumption and waste, GlobeOp decided to focus on the data center's power and cooling systems to save energy and reduce its carbon footprint. GlobeOp replaced 16 fan motors in March of 2011 with new, high-efficiency models which will save 78,971 kWh/year.

In addition, GlobeOp is proposing to implement an air-side economizer and replace its cooling tower. Installation of an air-side economizer will allow GlobeOp to leverage the free cooling conditions available at the data center site, reducing the number of operating hours for the data center's CRAC units by approximately 2,880 hours (four months) per year, saving the organization approximately 443,098 kWh/year.

The total projected energy savings of both projects is 522,069 kWh/year, which will earn GlobeOp an incentive of \$62,648 to help offset the total project cost of \$400,000. To verify the energy savings, GlobeOp is working with one of NYSERDA's Technical Review firms, energy consulting firm Willdan Energy Solutions. By measuring the power usage of the old and new motors in the cooling tower, CRAC units and air handler, Willdan will determine the energy savings and efficiency of the new systems.



To find out how you can reduce your energy consumption and costs, visit [NYSERDA.NY.GOV](http://NYSERDA.NY.GOV).