

USS Intrepid Museum

Energy Savings Performance Contract (ESPC)



The Intrepid Sea, Air & Space Museum is a national historic landmark located in New York City. This aircraft carrier was deployed during World War II and subsequently used in Vietnam. It was also employed by NASA as the primary recovery vessel. Now it is a floating museum that houses various exhibits and events serving to educate and entertain. RWE Clean Energy was proud to design and install the lighting portion of a stem to stern renovation this historic aircraft carrier underwent that began in 2006 and that was completed in 2007. A key objective for the lighting systems selected and installed is that they conserve energy while maintaining the historic character of the aircraft carrier.

RWE Clean Energy provided continuous energy analysis, engineering design, construction management, procurement and installation of all the needed materials, and proper removal and disposal of all trash and old fixtures. In addition, RWE Clean Energy identified and obtained incentives which resulted in rebates to help off-set the project's cost.

ENERGY CONSERVATION MEASURES

Lighting Upgrade

- Installed T-8 fluorescent lighting
- Converted Incandescent lighting to LED for exit signs
- Installed fluorescent alternatives for incandescent and Par lamps
- Converted incandescent fixtures to compact fluorescent technology
- Retrofitted historic fixtures with compact fluorescent lamps

- Replaced old surface mounted fluorescent fixtures with T-8 lamps with electronic ballasts, new sockets and lenses
 - Re-lamped Vaporlite fixtures with T-8 lamps and electronic ballasts
- ##### HVAC Upgrades
- Converted HVAC Energy management systems to direct digital controls



PROJECT DATA

LOCATION

New York, NY

CONSTRUCTION DATES

Completed on time

CAPITAL COSTS

\$563,750

ANNUAL SAVINGS

\$192,060