



**LIBERTY 2**  
*Philadelphia, PA*  
**CENTRAL UTILITIES PLANT ENERGY RETROFIT**

**ABOUT LIBERTY 2**

Liberty 2 is a signature building in the Philadelphia skyline. The 58 story, 848 foot tower is a combination retail, residential and commercial building. Along with its sister tower Liberty 1, holds the distinction of the first buildings in the City of Philadelphia to exceed the height of the William Penn statue on top of city hall. The facility was build it 1987.



**CONSTRUCTION COST:**  
 \$ 6 million

**YEAR COMPLETED:**  
 2018

**Concord Engineering and Concord Mgt Services** were approached by the building manager to solve the problem of replacement of the chiller and cooling tower plant on the 37<sup>th</sup> floor. Due to the close proximity of other buildings, a helicopter lift was prohibited. Without an adequately sized freight elevator and rigging path, the antiquated mechanical equipment could not be replaced. Concord devised a plan to build in place cooling towers as well as a rigging path to allow addition of new high efficiency centrifugal chillers. With the help of our strategic partner Rich Energy Systems, the project was completed ahead of schedule and the plant is currently operating with a significant increase in comfort as well as reduced energy costs.

**Design Build Contractor - Concord Management Services**  
**Engineer of Record - Concord Engineering Group**