

## KEY FACTS

LOCATION:

Philadelphia, PA

SQUARE FEET:

1,250,000

COMPLETED:

2007

CONSTRUCTION COST:

\$275M

SERVICES:

MEP/FP Engineering

ARCHITECT:

Robert A.M. Stern

HIGHLIGHTS:

**Tallest LEED Certified Building in US**

**Tallest Building in Philadelphia**



## COMCAST CENTER

This 57 story high rise office building is the tallest LEED Certified building in the United States. It incorporates state-of-the-art mechanical and electrical systems and green features such as rain water collection for irrigation, lighting control, waterside economizer, high efficiency glazing, hybrid cooling plant, nighttime purge, and outside preconditioning.

Building air conditioning systems are served by a central chilled water plant incorporating high-efficiency, variable speed electric chillers; peak-shaving steam absorption chillers, variable speed primary chilled water pumping; high delta T condenser and chilled water systems; and waterside economizers. The HVAC system utilizes floor-by-floor chilled water air handling units configured to deliver low temperature, dehumidified air. Chilled water usage is metered at each floor for individual tenant billing. The cooling towers are sized to provide each tenant with condenser water for supplemental cooling of 24-hour spaces. Slot diffusers or other high performance outlets are utilized to allow delivery of low-temperature air without dumping. Outside air and exhaust systems are designed to allow purging of individual floors with high quantities of outside air during unoccupied times.

The electrical power distribution system is fed by a dual utility service and incorporates double ended switchgear. Emergency generation is provided for all life safety systems and provisions were made for installation of additional generators for critical tenant services.

Life safety systems include sprinkler, fire alarm, stair pressurization, and floor-by-floor smoke control. The smoke control system is in excess of that required by code and adds a further level of safety for the tenants.

FOR MORE INFORMATION,  
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