



**United States Postal  
Service**  
Energy Improvement Upgrades  
Palatine, Illinois



The Hill Group, in association with Primera Engineers Ltd., was awarded the Postal Service energy improvement assignment at the 540,000 square foot Palatine Sorting Facility.

Energy improvements include replacement of the existing high-intensity discharge lighting with T8 fluorescent lighting. T12 fluorescent lighting in the offices also will be replaced by T8 lamps with electronic ballasts. Occupancy sensors will be installed in spaces that can be unoccupied.

HVAC energy improvements include installing variable frequency drives (VFD) and high efficiency motors on existing supply and return fans. The constant flow chilled water system will be altered to variable primary flow by adding VFD's on the pump motors and replacing control valves with two-way control valves. Sheet metal baffles designed to provide uniform air distribution across the cooling coils will be installed. The existing building automation system will be replaced.