

**GLENBROOK HIGH SCHOOLS  
District Business Office**

**TO: Dr. Mike Riggle  
Hillary Siena**

**FROM: Kimberly L. Ptak**

**DATE: OCTOBER 24, 2011**

**RE: DISCUSSION/ACTION: GBN and GBS LED Emergency Lighting Proposal**

Recommendation

It is recommended that the Board of Education approve LED emergency lighting projects at GBN and GBS at an estimated cost of \$15,500 and \$20,800 respectively.

Background

GBN has fixtures with approximately 375 emergency light bulbs in its various corridors, and GBS has approximately 418 of these bulbs. These lights are on 24 hours a day, 7 days a week and are currently lit with 34 watt fluorescent bulbs. The project will replace the fluorescent bulbs with energy efficient, 17.5 watt LED bulbs. Based on the longer life of the LED bulbs, estimated to last 5 times longer than fluorescent, and the decreased wattage, annual energy savings is estimated at \$19,500 at GBS and \$14,900 at GBN. This equates to a 1-year payback.

The cost of the project is only for the light bulbs, the GBN and GBS maintenance crews will replace the lights.

Next Steps

If the project is approved, a bid will be conducted and brought to the board for approval. During the bidding phase, specifications will be built to allow the district to consider various products. In addition, a grant has been applied for through the Department of Commerce and Economic Opportunity. If awarded, the district will receive up to 75% of the cost of the bulbs. Information and outcome on the grant will be provided at the time bids are brought to the board.