

**GLENBROOK HIGH SCHOOLS
District Business Office**

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

FROM: Kimberly L. Ptak

DATE: NOVEMBER 14, 2011

RE: CONSENT: 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.

At the October 24, 2011 board meeting, the board asked about any potential warranties with the LED bulbs. The bulbs we have been piloting in our buildings come with a 5-year warranty, meaning if a bulb were to break or burn out during the 5-year warranty period, we would receive a new bulb at no cost.

In addition, we did receive good news from the Department of Commerce and Economic opportunity. We are receiving a grant in the amount of \$28,000 or roughly 77% of the project cost. This brings our payback down to less than 3 months.

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.