

## Tecumseh High School

TECUMSEH, MICHIGAN

Brint Electric and GUSCO Energy team up at Tecumseh High School to design and install complete LED solution for their classrooms.



### Energy Usage

- **Existing:** (18) 96W Fluorescent 2x4 Troffer
  - Ballast Factor .88
  - (18 Fixtures x 84 Watts) = 1512 Total Watts
- **Replacing:** (18) Orion LED Troffers
  - (18 Fixtures x 32 Watts) = 576 Total Watts
- **Reduction:** (1512 Watts – 576 Watts) = 936 Watts Reduced
  - 62% Reduction in Energy Usage

### Savings

- **Hours of Operation:** 3700 hrs/yr
- **Energy Rate** = \$.1010, Annual Energy Cost Escalation = 3%
  - Fluorescent = 5594 kWh, LED = 2131 kWh
  - Fluorescent Cost = \$564.99, LED Cost = \$215.23
    - Annual Savings = \$349.76 Per Classroom
- 64% Reduction
- Saving \$150/year in Maintenance Costs Through Ballast and Lamp Replacements