

# Small commercial solutions case study

Photo Credit: Tim Mueller



REDEMPTORIST  
ELEMENTARY SCHOOL

\$5,502  
in incentives

Estimated  
53,957 kWh  
saved annually

Estimated  
\$3,777  
saved annually



## Redemptorist St. Gerard — Baton Rouge, LA Redemptorist Elementary School

**Project Summary:** Redemptorist St. Gerard is a church and private Catholic school supporting grades PreK-8th grade in North Baton Rouge, Louisiana. The school was directed to improve lighting in its classrooms but had little funding to accomplish the project. As a former co-owner of a family lighting business in Baton Rouge, parish volunteer Jim Richard heard about Entergy Solutions and kicked off the project.

**Challenge:** Redemptorist Elementary School had dated fluorescent lighting that provided poor lighting quality, which impacted classroom learning and increased maintenance cost and time. Older lighting for the gymnasium proved difficult to maintain, and broken lights caused safety hazards.

**The Entergy Solution:** Entergy Solutions was able to provide incentives to replace lighting in all classrooms, hallways, administrative office and the gymnasium with updated LED lamps and fixtures. The school replaced 600 fluorescent tubes with efficient LED tubes. The net cost of this upgrade will be covered by the energy savings in under one year. These upgrades provided a more comfortable learning environment for students and better working space for teachers, faculty and staff.

“Entergy Solutions was a godsend to our school. With the savings we experienced, we were also able to relight the gymnasium and install outdoor security lighting.”

**Jim Richard, Parish Volunteer, Redemptorist St. Gerard**



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# Small commercial solutions case study



REDEMPTORIST  
CHURCH SANCTUARY

\$2,360  
in incentives

Estimated  
18,800 kWh  
saved annually

Estimated  
\$2,060  
saved annually



## Redemptorist St. Gerard — Baton Rouge, LA Redemptorist Church Sanctuary

**Challenge:** The existing lighting in the sanctuary of the church utilized high-wattage incandescent lamps in recessed lighting fixtures. These lamps created excess heat, which increased the load on the church's cooling system.

**The Entergy Solution:** All interior sanctuary lighting was upgraded to LED, with attention paid to the aesthetic of the energy-efficient light to complement the place of worship. The project not only lowered energy usage of the light fixtures, but it also reduced the heat output of the lighting, which created a cooler space and reduced the load of the cooling system. The updated lighting also produced a safer space, increasing lighting output in areas that were once poorly lit.

### About Entergy Solutions

Entergy Solutions is a program that incentivizes Entergy Louisiana customers to perform energy-saving upgrades in their facilities. The program offers many ways to decrease energy use and save on expenses while maintaining a modern, safe operation.

### Save energy and money through upgrades such as:

- |   |   |
|---|---|
|  HVAC equipment and controls |  Refrigeration systems       |
|  Lighting systems            |  Compressed air systems      |
|  Motors and pumps            |  Building automation systems |

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