



Omaha School District LED Lighting Upgrade

All LED Lighting for Omaha

“I would recommend you all (Excel) to anyone or any school who is on the fence about making the change.”

- Jacob Sherwood, Ed.D., Superintendent

In 2018, Omaha School District involved replacing or upgrading over 1,300 total fixtures and sensors, choosing Excel Energy Group as the lighting contractor to update their existing lighting system with new LED technology. The projects reducing those facilities' lighting and maintenance costs by over **65%**-an annual savings of over **\$24,000**.

Omaha School District had mostly existing T8 fluorescent lighting. With over 1,000 fixtures being T8, Excel was still able to save the District an additional \$24,000 annually by switching all of the lighting to LED technology.

The lighting project chosen Omaha Schools was a Premium Design, which means it includes cosmetic upgrades in addition to energy efficiency.

Areas were noted during the audit as fixtures that could use to be replaced. Some of these fixtures were replaced with similar items that kept the same look. Other areas had surface mounted fixtures that were in a recessed ceiling. Per the design of Excel, these fixtures were replaced with recessed troffers that



added a cleaner look to the classrooms and offices where they were installed.

Excel Energy Group not only provides retrofit and replacement of interior lighting but exterior lighting as well. Fixtures like wall packs, canopies, and flood lights are replaced with LED lighting. Also less common items like pole lighting and flag pole floods can be replaced with LED lighting.

THE BOTTOM LINE:

Excel was able to reduce the District's electricity and gas usage by **207,832** kwh annually. That means Omaha will eliminate over **340,994 pounds** of carbon dioxide from the atmosphere **every year**—the equivalent of removing the emissions from burning **17,404** gallons of gasoline or **169,226** pounds of coal annually.



Omaha School District

Project Quick Facts:

Total Facilities:	9
Total Light Fixtures:	1,300
Total Cost:	\$76,200
Total Incentives:	\$22,100
Annual Savings:	\$24,200
Payback:	2.2 years

**Decreased light
wattage by an
Average of
60% in
each area!**

