



Network Lighting Controls

K-12 Case Study Collection

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About Network Lighting Controls

Your school depends on effective lighting and Consumers Energy is committed to providing the right tools. A Network Lighting Controls (NLC) system consists of individually controlled lights allowing for programming, zone control, measuring and monitoring. This system is the perfect next step for getting more savings out of your lighting upgrade.

Never Waste a Watt:

Step 1: Install LED lighting in your facility.

Step 2: Harness that lighting power with Network Lighting Controls (NLC).

Benefits:

- Exceed regulatory and code compliance
- Improve productivity, comfort and safety
- Incorporate lighting design best practices
- Reduce maintenance
- Reduce energy costs

How do I get started?

Visit [ConsumersEnergy.com/schoolcs](https://www.consumersenergy.com/schoolcs), email us at BusinessEnergyEfficiency@cmsenergy.com, or call (888) 674-2770 to learn more.

Bean Elementary

Western School District



Bean Elementary

Total Square Footage	39,310
Annual Hours of Operation	1,904
Baseline kWh/year	54,238
Post kWh/year	11,288
kWh Saved/year	42,949
% Saved from Lighting Retrofit	70%
% Saved from Implementation of Control System	79%
Total Project Cost	\$57,724
Total Incentive Received	\$10,737
Simple Payback Period	9.6 years

Warner Elementary

Western School District



Warner Elementary

Total Square Footage	38,864
Annual Hours of Operation	2,127
Baseline kWh/year	70,873
Post kWh/year	11,107
kWh Saved/year	59,766
% Saved from Lighting Retrofit	57%
% Saved from Implementation of Control System	84%
Total Project Cost	\$61,643
Total Incentive Received	\$14,942
Simple Payback Period	7.4 years

Parma Elementary

Western School District



Parma Elementary

Total Square Footage	38,200
Annual Hours of Operation	2,144
Baseline kWh/year	72,639
Post kWh/year	10,388
kWh Saved/year	62,252
% Saved from Lighting Retrofit	73%
% Saved from Implementation of Control System	86%
Total Project Cost	\$35,733
Total Incentive Received	\$15,563
Simple Payback Period	4.1 years

Western High & Middle

Western School District



Warner Elementary

Total Square Footage	200,000
Annual Hours of Operation	2,555
Baseline kWh/year	409,615
Post kWh/year	65,639
kWh Saved/year	343,976
% Saved from Lighting Retrofit	59%
% Saved from Implementation of Control System	84%
Total Project Cost	\$296,978
Total Incentive Received	\$85,994
Simple Payback Period	7.2 years

Atherton Elementary Gymnasium



Atherton Elementary Gymnasium

Total Square Footage	5,200
Annual Hours of Operation	3,500
Baseline kWh/year	47,775
Post kWh/year	6,633
kWh Saved/year	41,142
% Saved from Lighting Retrofit	73%
% Saved from Implementation of Control System	86%
Total Project Cost	\$23,026
Total Incentive Received	\$10,286
Simple Payback Period	4.7 years

Bentley High School Gymnasium



Atherton Elementary Gymnasium

Total Square Footage	5,500
Annual Hours of Operation	2,808
Baseline kWh/year	36,897
Post kWh/year	3,848
kWh Saved/year	33,049
% Saved from Lighting Retrofit	28%
% Saved from Implementation of Control System	90%
Total Project Cost	\$20,786
Total Incentive Received	\$8,262
Simple Payback Period	5.7 years

Jackson County High



Jackson County High School

Total Square Footage	85,000
Annual Hours of Operation	2,563
Baseline kWh/year	81,714
Post kWh/year	10,442
kWh Saved/year	71,272
% Saved from Lighting Retrofit	71%
% Saved from Implementation of Control System	87%
Total Project Cost	\$59,613
Total Incentive Received	\$17,818
Simple Payback Period	5.6 years

Whiteford Agriculture School

Elementary, Middle and High School



Whiteford Agriculture Elementary, Middle and High School

Total Square Footage	93,000
Annual Hours of Operation	3,182
Baseline kWh/year	362,716
Post kWh/year	10,551
kWh Saved/year	352,165
% Saved from Lighting Retrofit	66%
% Saved from Implementation of Control System	97%
Total Project Cost	\$221,033
Total Incentive Received	\$88,041
Simple Payback Period	7 years

Need more information?

Contact one of our Network Lighting Control experts today:

888-674-2770 | ConsumersEnergy.com/schoolcs

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