



Network Lighting Controls Case Studies

Consumers Energy
Count on Us®

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About Advanced Lighting Controls

Harness the power of lighting and never waste a watt with Network Lighting Controls (NLC). Already have LED bulbs installed in your facility? Great! Take the next step in reducing your energy use by investing in networked lighting.

Benefits:

- Exceed regulatory and code compliance
- Improves employee productivity, comfort and safety
- Increases employee morale
- Incorporates best practice lighting design for visual appeal and acuity
- Reduces maintenance

Others have benefited tremendously from this program. See their results with the Advanced Lighting Controls Program.

Classic Transportation & Warehouse*

“We had a great experience working with Consumers (Energy) on the energy lighting control program. The project manager understood the scope of the project and was very educational. Our company's internal ROI was configured at 2.4 years but the ROI will actually be 1.8 years.”

- Rod Cooper, Owner,
Classic Transportation & Warehouse

Classic Transportation & Warehouse	
Total Square Footage	102,400
Annual Hours of Operation	3,537
Baseline kWh/year	288,071
Post kWh/year	25,739
kWh Saved/year	262,332
% Saved from Lighting Retrofit	67%
% Saved from Implementation of Control System	99%
Total Project Cost	\$128,947
Total Incentive Received	\$31,480
Simple Payback Period	3.8 years

* Project includes the retrofit and controls combined

Trendway

“Consumers Energy provided an Network Lighting Controls program that helped us meet the return on investment we needed to move forward. After our first phase was implemented, we experienced a 90% reduction in lighting energy!”

- Jeff J., Manager
Trendway

Trendway	
Total Square Footage	104,479
Annual Hours of Operation	4,160
Baseline kWh/year	265,708
Post kWh/year	12,951
kWh Saved/year	193,684
% Saved from Lighting Retrofit	69%
% Saved from Implementation of Control System	94%
Total Project Cost	\$185,376
Total Incentive Received	\$23,242.11
Simple Payback Period	7.98 years

Paragon D&E



Paragon D&E

Total Square Footage	114,376
Annual Hours of Operation	8,760
Baseline kWh/year	2,552,236
Post kWh/year	472,441
kWh Saved/year	2,079,795
% Saved from Lighting Retrofit	59%
% Saved from Implementation of Control System	81%
Total Project Cost	\$433,667
Total Incentive Received	\$216,833
Simple Payback Period	2.1 years

Steelcase

"We had a positive experience working with Consumers Energy on the Network Lighting Controls Program and, in particular, working with our assigned project manager who was very responsive and provided effective guidance. The program allowed us to introduce more adaptability and efficiency for the lighting in our facility while still allowing us to achieve a simple payback of under two years. We also continue to see an additional 20 percent energy cost savings by using advanced controls."

- Mary Ellen Mika, Director of Global Compliance,
Steelcase

Steelcase	
Total Square Footage	600,000
Annual Hours of Operation	7,599
Baseline kWh/year	4,307,534
Post kWh/year	1,593,616
kWh Saved/year	2,713,918
% Saved from Lighting Retrofit	56%
% Saved from Implementation of Control System	63%
Total Project Cost	\$784,231
Total Incentive Received	\$332,808 (included 30% Buy Michigan Bonus**)
Simple Payback Period	4.62 years

** To learn more about receiving a Buy Michigan Bonus visit ConsumersEnergy.com/buymichigan

University



University

Total Square Footage	35,000
Annual Hours of Operation	3,542
Baseline kWh/year	93,169
Post kWh/year	15,407
kWh Saved/year	77,762
% Saved from Lighting Retrofit	45%
% Saved from Implementation of Control System	83%
Total Project Cost	\$59,814
Total Incentive Received	\$13,997
Simple Payback Period	6.9 years

Office



Office	
Total Square Footage	13,500
Annual Hours of Operation	3,060
Baseline kWh/year	54,896
Post kWh/year	8,492
kWh Saved/year	46,405
% Saved from Lighting Retrofit	62%
% Saved from Implementation of Control System	85%
Total Project Cost	\$40,679
Total Incentive Received	\$12,065
Simple Payback Period	5 years

Retail Store



Retail Store	
Total Square Footage	108,000
Annual Hours of Operation	8,760
Baseline kWh/year	1,394,592
Post kWh/year	170,594
kWh Saved/year	1,223,998
% Saved from Lighting Retrofit	25%
% Saved from Implementation of Control System	88%
Total Project Cost	\$119,652
Total Incentive Received	\$59,826
Simple Payback Period	1 year



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