



Network Lighting Controls

Case Study Collection

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About Network Lighting Controls

Your business depends on effective lighting and Consumers Energy is committed to providing you tools to support your business. 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 **Network Lighting Controls Program**.



Trendway

Manufacturing Example

“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

Manufacturing Example



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

Heavy Industrial Facility Example

"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% energy cost savings by using advanced controls."

- Mary Ellen Mika, Director of Global Compliance, Steelcase

Pridgeon & Clay

Heavy Industrial Facility Example



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 (Includes the Buy Michigan Bonus*)
Simple Payback Period	4.62 years

Pridgeon & Clay	
Total Square Footage	200,000
Annual Hours of Operation	8,273
Baseline kWh/year	2,685,531
Post kWh/year	486,780
% Saved from Lighting Retrofit	62%
% Saved from Implementation of Control System	82%
Total Project Cost	\$613,056
Total Incentive Received	\$306,528
Simple Payback Period	2.53 years

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

Brembo

Large Industrial Facility Example

“Through great collaboration, Consumers Energy and Brembo North America partnered together to pioneer an innovative solution that provided illumination for Brembo’s 400,000 sq.-ft. facility in Homer, MI. Through the use of energy efficient LED lighting and smart-sense technology, Brembo’s energy [use] and carbon footprint decreased while at the same time paving the way for finger-tip control of the entire facility’s lighting needs.”

- Jay Compton, Maintenance Manager, Brembo

Brembo	
Total Square Footage	400,000
Annual Hours of Operation	7,190
Baseline kWh/year	2,341,753
Post kWh/year	628,163
% Saved from Lighting Retrofit	57%
% Saved from Implementation of Control System	73%
Total Project Cost	\$528,445
Total Incentive Received	\$264,222
Simple Payback Period	4.60 years

Classic Transportation & Warehouse

Warehouse Facility Example

“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

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

High Caliber Karting Retail/Entertainment Facility Example



“At High Caliber Karting & Entertainment, we were able to partner with Consumers Energy and review our options to reduce our carbon footprint and save money. In the process, we identified ways to save over \$5,000 monthly and reduce our electrical [use] so significantly, that the ROI was under one year. Our facility operates smoother, the user interface allows us to customize all aspects of the business and the support we received through Consumers Energy and Wirostek Lighting took little to no effort from our team to implement the solution.”

- Jordan Munsters, Owner, High Caliber Karting

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

High Caliber Karting	
Total Square Footage	80,000
Annual Hours of Operation	4,680
Baseline kWh/year	452,528
Post kWh/year	55,979
% Saved from Lighting Retrofit	84%
% Saved from Implementation of Control System	88%
Total Project Cost	\$293,470
Total Incentive Received	\$99,137
Simple Payback Period	6.73 years

Main Farms

Agriculture Example



Parking Lots



Main Farms	
Total Square Footage	48,000
Annual Hours of Operation	4,368
Baseline kWh/year	191,843
Post kWh/year	4,067
% Saved from Lighting Retrofit	67%
% Saved from Implementation of Control System	98%
Total Project Cost	\$99,265
Total Incentive Received	\$46,944
Simple Payback Period	2.64 years

Parking Lots	
Total Square Footage	368,000
Annual Hours of Operation	4,380
Baseline kWh/year	449,169
Post kWh/year	4,283
% Saved from Lighting Retrofit	63%
% Saved from Implementation of Control System	91%
Total Project Cost	\$202,423
Total Incentive Received	\$73,600
Simple Payback Period	3.81 years

Need more information? Contact one of our Network Lighting Control experts today:

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