

## Case Study Report

### Company Profile

## City of St. Bernard



*"I chose Perfection because of their knowledge of the House Bill 420 process, professionalism and ability to self-perform the majority of the work. Perfection's "one-stop shop" allowed us to get the most amount of work done for our energy dollars saved."*

*-Phil Stegman  
Service Director of City of St. Bernard*

#### Methods Employed:

House Bill 420 self-funding energy efficient improvement project across various buildings, parks and street traffic lights. City Council approved this project to upgrade their facilities, improve their energy efficiency and take advantage of savings and available rebates.

#### Background:

Perfection Group was hired by the City of St. Bernard to design and install a comprehensive energy conservation program for all city buildings and outdoor lighting systems. The five month long project included installing high-efficiency heating and cooling units, hi-tech computerized control systems, new windows, upgraded efficient lighting systems and LED traffic lighting at city properties.

#### Solution and Results:

Perfection installed outdoor lighting for parking lots, ball fields and parks. All of these areas were retrofitted to energy efficient fixtures. Traffic signals and cross walks were all upgraded to LED technology.

Indoors, Perfection installed complete automated control systems for the largest two buildings, City Hall and the Police Department. The new controls monitor temperatures, humidity and carbon dioxide levels, bringing in the correct amounts of outside air for the number of occupants in the space. The system also sets back temperatures when the facilities are not occupied and allows for improved temperature regulation throughout the spaces.

Materials and systems implemented include, new T-8 lighting systems in all buildings, automated control systems in City Hall, Municipal Building, and Police Department, new HVAC systems in City Hall Municipal Building, Police Department and Fire Department, new double pane windows in the Police Department.

#### PRODUCT IDENTIFICATION

Customer:  
City of St. Bernard

Location:  
St. Bernard, Ohio

Contractor:  
Perfection Group Inc.

Business Need:  
Conserve energy and upgrade facility infrastructure.

Solution/Results:  
Energy savings, improved comfort and reduced operating costs.

**Contact Perfection Group today  
to learn more about our Mechanical  
and Service capabilities.**

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