

## SWITCHGEAR



Lake Shore Electric Corporation has been manufacturing electrical distribution and control equipment since 1922.

While it is not practical to keep track of the thousands of pieces of equipment we have engineered over the years, this document provides a view some of the more recent switchgear installations Lake Shore Electric has engineered, both UL Listed & Non-Listed.

As no two jobs are ever the same when it comes to switchgear, Lake Shore Electric has accommodated many types of generator control switchgear applications. We provide solutions from simple single engine solutions to more complex multiple generator or utility switchgear for emergency standby and prime power applications incorporating multiple engine generators and various options such as import/export control, cogeneration, base loading, peak shaving or soft loading and unloading.

Lake Shore Electric Corporation has decades of successful installations across the globe. Our equipment is designed around your needs & specifications, not the standard offerings too prevalent in today's market.

**GIVE US A CALL AND LET US SHOW YOU THE DIFFERENCE.**

---

## SWITCHGEAR INSTALLATIONS

### DATA CENTERS

#### **Community Health Data Center**

(2) 1600 Ampere & (1) 800 Ampere Switchboards.

#### **Carteret Data Center**

4000 Ampere Switchboard.

#### **Digital Realty Trust**

3000 Ampere, Generator Distribution Switchboard.

#### **Chase Carlstadt Data Center**

Line of Neutral Grounding Resistors.

#### **Belk Department Stores**

480 Volt, 3000 Ampere, Closed Transition UPS Switchboard.

### UTILITY & SUB-STATION

#### **Salt Fork Substation**

High Voltage Relay Protection Panel and DC Battery Control Station.

#### **First Energy Eastlake**

(2) High Voltage Relay Protection Panels.

#### **Sammis Plant**

High Voltage Relay Protection Panels.

#### **Browning Ferris Gas Service**

16 Megawatt Landfill Power Plant

#### **Dane County Landfill**

Co-Generational Facility - 670 Kilowatt Power Plant

#### **Marco Island Marriott**

3.5 Megawatt Cogeneration Facility

---

## SWITCHGEAR INSTALLATIONS

### **Computer Associates**

12.0 Megawatt Power Plant

### **John F. Kennedy International Airport**

Unit Substation

### **Southern Command**

2.7 Megawatt Power Plant

### **Metro Dade Preston Plant**

11.5 Megawatt Power Plant

### **City of Galena**

4.45 Megawatt Power Plant

### **Oxford Federal Correctional Facility**

750 Kilowatt Power Plant

### **University of Edinboro**

15KV Transfer System

### WATER TREATMENT PLANTS

#### **Peace River**

480VAC, 2000 Ampere, Paralleling Switchboard to control and protect (2) 1250kw gensets and (2) existing gensets.

#### **Palatka SRF WTP**

480VAC, 2500 Ampere, Main-Tie-Main and controls and protection for (1) 1000kw genset, Closed Transition with distribution.

#### **Palm Beach County North Regional Pumping Facility**

480VAC, 4000 Ampere, Paralleling Switchboard to control and protect Utility Main Services and (2) 1250kw gensets with distribution.

#### **City of Palm Coast - Water Plant No. 3**

480VAC, 3000 Ampere, Paralleling Switchboard to control and protect Utility Main Services, (1) 1000kw, (1) provisional 1000kw genset with distribution.

---

## SWITCHGEAR INSTALLATIONS

### **Indian River North County WTP**

480VAC, 4000 Ampere, Paralleling Switchgear to control and protect (2) 1500KW gensets.

### **Twin Lakes WTP**

480VAC, 600 Ampere Free Standing Switchgear featuring Automatic Transfer Switch with Distribution.

### **Brimfield WTP**

480VAC, 600 Ampere Free Standing Switchgear featuring Automatic Transfer Switch with Distribution.

### **JMEUC**

Line of 5KV Load Break Switches.

### **Sanford South WRC**

Seven section, Low Voltage, Custom Switchgear to control and protect (1) 1000kw gen set with provisions for future. Switchgear to include (2) Utility sources, gen set and associated distribution.

### WASTE WATER TREATMENT PLANTS

### **Middlefield WWTP**

480VAC, Indoor, 2000 Ampere Switchboard with integrated Service Entrance Rated Transfer Switch and CT Cabinet.

### **G.T. Lohmeyer WWTP**

5KV, Generator Control and Protective Switchboard.

### **MC Millian Pump Station Washington DC**

2.25 Megawatt Power Plant

### **Deerfield Beach**

2.5 Megawatt Power Plant

### **Metro Dade Preston Plant**

11.5 Megawatt Power Plant

---

## SWITCHGEAR INSTALLATIONS

### INTERNATIONAL

#### **S One**

480VAC, 2000 Ampere Automatic Transfer Switchboard to transfer between (2) services and (2) gensets with associated distribution.

#### **Northrup Gruman**

Mobile Tactical Generator Control and Three Source Transfer Equipment.

#### **Tripoliven, Moron, Venezuela**

3.1 Megawatt Power Plant

#### **Braco Resort Ltd, Jamaica**

5.4 Megawatt Power Plant

#### **Negroven, S.A., Valencia, Venezuela**

3.9 Megawatt Power Plant

#### **Banko Popular Dominican, San Domingo, Dominican Republic**

3.0 Megawatt Power Plant

#### **Ministry of Commutation, Riyadh, Saudi Arabia**

2.2 Megawatt Power Plant

#### **Minera Escondida Limitada**

7.0 Megawatt Power Plant

#### **Moore Island, Bahamas Power Station**

480 Volt, 6000 Ampere, Paralleling Switchgear.

#### **Depto Recursos Naturales, Puerto Rico**

4160 Volt, 600 Ampere, 4160 Switchboard with Automatic Transfer Switch Line Up.

### HEALTHCARE

#### **MEDCO**

Low Voltage Paralleling Switchgear, Controls for (3) 25 KV Engine Generator Sets with Distribution.

---

## SWITCHGEAR INSTALLATIONS

### **New York University Medical Center**

1.8 Megawatt Power Plant

### **Cedar Hospital - Miami**

2.25 Megawatt Power Plant

### **Annie Penn Hospital**

1.0 Megawatt Power Plant

### **VA Hospital - Atlanta**

1.8 Megawatt Power Plant

### **Memorial Regional Hospital**

Power Distribution Switchboard

### GOVERNMENT - FEDERAL

### **Bonneville Dam - North Power House**

15 KV, Metal Clad Switchgear, 500 MVA.

### **Dalles Dam**

Medium Voltage Paralleling Switchboard.

### **Angola**

480VAC, 2000 Ampere Distribution Switchboard.

### **La Urbina**

12470VAC, 1200 Ampere Medium voltage Paralleling, Import/Export, Switchboard to control and protect (1) Utility and (1) 2800KW genset.

### **McMurdo Station**

5KV Air Interrupter Pad Mounted Switchgear.

### GOVERNMENT - STATE

### **Marcy Correctional Facility**

15 KV Metal Clad Paralleling Switchgear.

---

## SWITCHGEAR INSTALLATIONS

### **Northcoast Behavioral Healthcare System - McKee Building**

480VAC, 1000 Ampere Automatic Transfer Switch Switchboard with common generator bus to serve (7) Transfer switches and associated distribution.

### **Northcoast Behavioral Healthcare System - Building 22**

480VAC, 1000 Ampere Automatic Transfer Switchboard containing (5) Dual Motor Operated Lake Shore transfer switches.

### **SCI Cambridge**

5KV, Outdoor, Automatic Transfer Switch with Distribution.

### **SCI Cambridge**

5KV Free Standing Generator Vacuum Breaker.

### **Blackburn Correctional Facility**

15kv, 1200 Ampere, Outdoor, Service Entrance Rated, Medium Voltage Automatic Transfer Switch.

### GOVERNMENT - LOCAL

### **St. Lucie County Chiller Plant**

480VAC, 2500 Ampere, Paralleling Switchgear to control and protect (2) 350KW, (1) 500KW gensets with Automatic Transfer Switch and distribution.

### **Midland Co.**

15KV Free Standing Generator Vacuum Breaker.

### **City of Palm Coast - Cilion**

15KV Free Standing Generator Vacuum Breaker.

### **City of Fort Lauderdale Police Station**

480VAC, 2500 Ampere, Free Standing Switchboard with Automatic Transfer Switch, Tie, and associated Distribution.

### **Perce County Airport**

5kv, 600 Ampere, Outdoor, Service Entrance Rated, Closed Transition, Digital Metering, Medium Voltage Automatic Transfer Switch with associated Distribution Sections.

---

## SWITCHGEAR INSTALLATIONS

### **City of Orlando, Iron Bridge**

PLC, Microprocessor based controls that communicate digitally with (3) 2.8MW Detroit Diesel gen sets with MDEC Controls.

### **Ebensburg**

15kv, 1200 Ampere, Outdoor, Service Entrance Rated, Power Metering with communications, Medium Voltage, Automatic Transfer Switch.

### **Palm Coast**

Seven section, Low Voltage, Custom Switchgear to control and protect (1) 1500kw gen set with provisions for future. Switchgear to include (2) Utility sources, gen set and associated distribution.

### **Chagrin Falls Downtown Improvement**

Streetscape Panel Board, Service Pedestals, NEMA 3R Aluminum.

### COMMERCIAL/INDUSTRIAL

### **Dell**

15 KV, 600 Ampere, Generator Vacuum Breaker Switchboard.

### **La Victoria**

15KV Metal Enclosed Automatic Transfer Switch with extended paralleling capabilities, Turbine Breaker and Controls with step up transformer.

### **Corning Inc.**

480VAC, 4000 Ampere Switchboard featuring customer preferred DS-II draw out circuit breakers.

### **Ferguson Stockton**

480VAC, Indoor, 4000 Ampere Switchboard containing Service Entrance Rated Transfer Switch and Associated Distribution.

### **Price Chopper**

15KV, Outdoor Automatic Transfer Switch.

### **Newark Arena**

480 VAC, 4000 Ampere Free Standing Generator Switchboard.



---

## SWITCHGEAR INSTALLATIONS

### **Fairmont South Hampton**

Line of 5KV Disconnect Switches.

### **South Airfield Lighting**

15KV Free Standing Generator Vacuum Breaker Switchboard.

### **Ferguson - Frostproof**

480VAC, Indoor, Free Standing, 4000 Ampere Switchboard featuring Automatic Transfer Switch with Distribution.

### **Sedanos**

480VAC, Indoor, 2500 Ampere Free Standing Switchboard featuring Automatic Transfer Switch with Distribution.

### **Gulfstream Club House**

15kv, 600 Ampere, Outdoor, GE SR489 Multi-function Protective Relay, Surge Suppression, Medium Voltage Automatic Transfer Switch.

### **Cantarell Module 5, Mexico**

High Voltage Remote Protective Relay Panel.

### MILITARY

### **Mountain Home Air Force Base**

2.25 Megawatt Power Plant.

### **Boca Chi Air Force Base**

1.2 Megawatt Power Plant.

### **US Joint Forces Command/Joint Warfighting Center**

2.8 Megawatt Power Plant

### **Naval Station, Guantanamo Bay**

12.5 Megawatt Power Plant

---

## SWITCHGEAR INSTALLATIONS

### TELECOMMUNICATIONS

**AT&T West Palm Beach**  
2000KW Power Plant

**AT&T Point of Presence**  
2.7 Megawatt Power Plant

**AT&T Tampa**  
2.7 Megawatt Power Plant

**AT&T OJUS Dade County**  
2.0 Megawatt Power Plant

**AT&T Rockdale NCC East**  
4.8 Megawatt Power Plant

**51 Peachtree Building Center**  
7.5 Megawatt Power Plant

**AT&T Clay Street**  
4000 Ampere Switchboard, Controls for (2) 2500 KW Engine Generator Sets.

**AT&T Gainesville**  
480 Volt, 6000 Ampere, Three Generator Paralleling Switchgear.