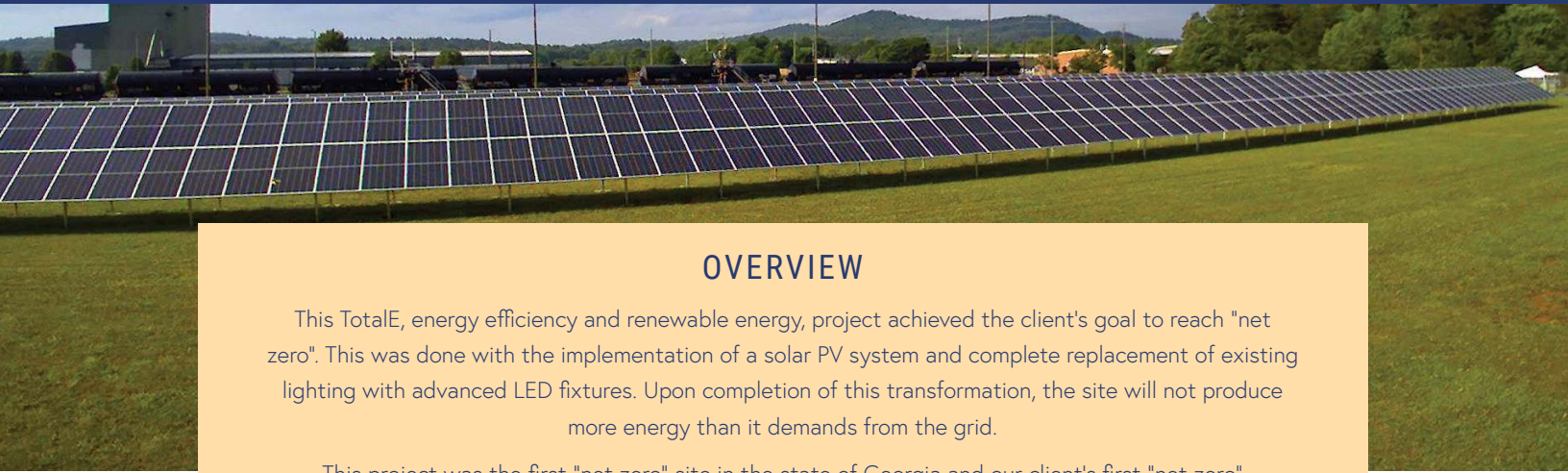


DOMESTIC LED & SOLAR PROJECT

# Global Fuel Distributor

## Georgia Site #1



### OVERVIEW

This TotalE, energy efficiency and renewable energy, project achieved the client's goal to reach "net zero". This was done with the implementation of a solar PV system and complete replacement of existing lighting with advanced LED fixtures. Upon completion of this transformation, the site will not produce more energy than it demands from the grid.

This project was the first "net zero" site in the state of Georgia and our client's first "net zero" distribution site in the United States.

### SCOPE OF PROJECT

The Georgia Site 1 is a fuel transfer facility. Constructed in 2013, the site serves as a gateway for distribution of fuel to customers in the southeast.

- Site includes rail car lines, holding tanks, truck racks, and various other ancillary equipment.
- Project upgraded the lighting at the facility, including the rail car lighting, pole lighting, truck rack lighting, and office interior lighting.
- 173 kWDC solar array was added to the site, which will offset all energy consumption from local utilities, making the set net zero.

### CHALLENGE

Improve ESG metrics (i.e., 100% Reduction in MtCO<sub>2</sub>e)  
Project is +NPV at +\$180,192

### LIGHTING FIXTURES/TECHNOLOGY

261 existing fixtures were replaced by LED Lighting System  
Energy Power (kW):

**Before: 74 kW**

**After: 19 kW**



## The Helios Energy™ Impact

**Energy Reduction:** 128,580 kWh reduced

**Energy Savings:** \$17,911 saved

**Maintenance Savings:** \$1,578 in reduced lighting fixture replacements

**Environment Impact:** 210,999 lbs. of CO<sub>2</sub> saved or 112 equivalent acres of forest added per year



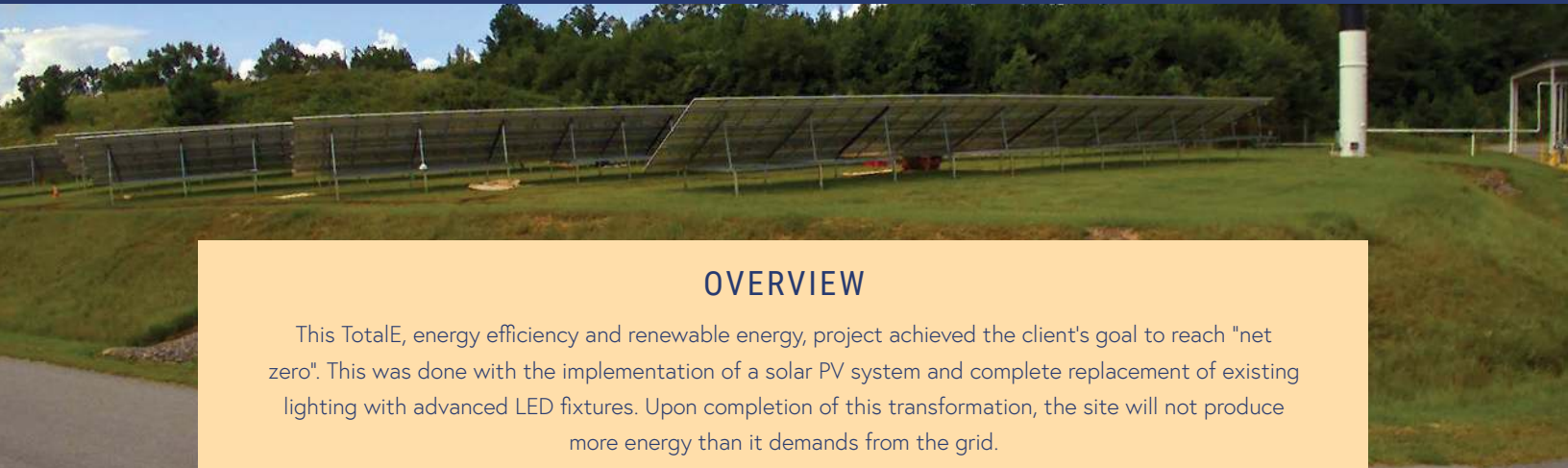
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ENERGY MADE EASY

DOMESTIC LED & SOLAR PROJECT

# Global Fuel Distributor

## Georgia Site #2



### OVERVIEW

This TotalE, energy efficiency and renewable energy, project achieved the client's goal to reach "net zero". This was done with the implementation of a solar PV system and complete replacement of existing lighting with advanced LED fixtures. Upon completion of this transformation, the site will not produce more energy than it demands from the grid.

This project was the first "net zero" site in the state of Georgia as well as our client's second net-zero distribution site in the United States.

### SCOPE OF PROJECT

The Georgia Site 2 is a fuel transfer facility. Constructed in 2014, the site serves as a gateway for distribution to our client's customers in the southeast.

- Site includes rail car lines, a holding tank, truck racks, and various other ancillary equipment.
- Project upgraded the lighting at the facility, including the rail car lighting, pole lighting, truck rack lighting, and office interior lighting.
- 152 kWDC solar array was added to the site, which will offset all energy consumption from local utilities, making the site net zero.

### CHALLENGE

Improve ESG metrics (i.e., 100% Reduction in MtCO<sub>2</sub>e)  
Project is +NPV at +\$74,219

### LIGHTING FIXTURES/TECHNOLOGY

142 existing fixtures were replaced by LED Lighting System  
Energy Power (kW):

**Before: 40 kW**

**After: 11 kW**



## The Helios Energy™ Impact

**Energy Reduction:** 53,508 kWh reduced

**Energy Savings:** \$7,513 saved

**Maintenance Savings:** \$633 in reduced lighting fixture replacements

**Environmental Impact:** 87,806 lbs. of CO<sub>2</sub> saved or 47 equivalent acres of forest added per year



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