

## Energy Procurement Process

### Preliminary Data Collection and Facility Audit

First an initial collection of information and utility data is gathered and analyzed. Next a complete audit of existing lighting systems is performed.

### Sample Installation: Measurement and Verification

Solutions are discovered and presented. Sample test locations are then identified and installed. This allows for demonstration of savings and ensures customer satisfaction of performance.

### System Integration

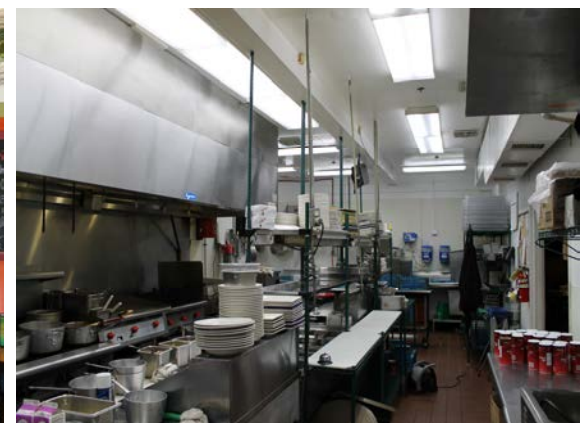
Lighting systems are installed on schedule without hindrance to the customers day to day operations. Savings are then realized, tracked and verified.

# Energy Efficient Lighting Case Study



## Cosmo's Restaurant & Bar

Off the beaten path on Canal Road in Orange Beach, Cosmo's Restaurant & Bar is far from ordinary. Serving fresh and eclectic food since day one, Cosmo's features a wide range of dining, enticing even the most discriminate. Using chef inspired ingredients, you can enjoy everything from hand-cut steaks and local seafood to pastas and sushi. In an effort to cut utility expenses and create a superior ambiance, SEMCO worked with Cosmo's on implementing an energy efficiency LED lighting upgrade. This upgrade increased lighting levels in the kitchen, created a smoother more consistent feel in the dining room, while simultaneously cutting energy and maintenance expenses for years to come.



## Annual Savings

(calculations provided courtesy of SEMCO)

- Energy Savings \$2,383
- Displaced Energy 23,827 kWh
- Maintenance Savings \$462

## Impact of Upgrade

- Simple Payback 2.8 years
- Increase in light levels 25%
- Monthly Utility Eliminated 10%

## Environmental Impacts

- CO2 Reduced 32,655 lbs
- SO2 Reduced 105 lbs
- NOx Reduced 60 lbs

## Environmental Equivalents

- 54 Barrels of oil saved
- 5 Cars taken off the road (1 yr.)
- 2,641 Gallons of gasoline not burned
- 3 House holds powered (1 yr.)
- 8 tons of waste recycled instead of landfilled
- .2 Acres of forest preserved



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