

# Energy Service Agreement (ESA) Process

---

## Details on establishing base line:

Using at least 12 months of historical electric and gas data (usage and cost from billing data) a regression tool combines data with historical weather data to create a model that can be applied to standard weather to produce the following metrics:

- \$/square (actual and weather normalized)
- EUI (Energy-use-intensity per square foot) by electric and gas consumption
- Total expenditures and consumptions by utility type
- Price analysis for electric \$/kWh and gas \$/mmBtu

This baseline will provide high level insight to where different building operation could be improved before drilling down into system level energy conservation measures.

## How is BuildingLogix going to save energy cost?

Energy cost reduction comes from Energy Management of building operation and schedules along with implementing a variety possible of Energy Conservation Measures (ECMs). These include but are not limited to the following:

- Active Schedule Management for Lighting and HVAC equipment
- Evaluation of occupied and unoccupied set points
- Boiler and Chiller Plant Enable set points
- AHU Fan and Pressure Optimization
- Economizer/Outdoor Air Control Optimization
- Etc.

## Where are you placing new controls?

The only hardware that may be installed would be to collect/trend building data and energy data from the current system.

## What does the service contract cover, liability for equipment?

We are going to work with the existing equipment and BAS systems on site to help control environment as well as reduce energy usage at the facilities. An ESA agreement does not displace any of your current people or vendors but rather provides a service they are not able to. Our track record for success in both the schools, commercial, lab, and pharmacy market give us the confidence that we can achieve the same level of savings we have for those clients.

## What type of internet connections are needed?

Need Remote Access to existing BAS (Building Automation System) via External IP or VPN.