



2016 VEEP Sustainability Partner



Alexandria Renew Enterprises

Current Goals

- Reduce energy consumption by at least 25% over the next 10 years
- Develop comprehensive energy management plan and become ISO 50001 certified within 2 years
- Diversify revenue by producing energy, finding more ways to utilize the nutrients recovered at the facility, and beginning to market our reclaimed water to the community

Joining the Superior Energy Performance Program

- **Description:**
 - Calibrated energy-use meters throughout the campus, began metering on renewable energy production, compiled historical data for use in energy intensity modeling, and optimized operational set points on all gas usage throughout campus.
- **Results:**
 - 4% decrease in GHG emissions
 - 1% decrease in purchased electricity
 - \$26,390 cost savings from change in electricity purchases from 2014 to 2015
- **Future Plans:**
 - Further optimization of processes
 - More utilization of renewable energy, both on-site and off-site
 - Installation of variable frequency drives on pumps in the facility
 - Transition of all lighting on campus to LED

Other Future Commitments:

- Replace all outdoor lighting with energy efficient LED lights with built in sensors to optimize output.
- Put nutrient management facility into full operation by the end of 2016 to help control the level of nutrients entering our biological nutrient removal process and help optimize the energy and chemical usage required.