

## ENERGY EFFICIENCY FOR RAW AND WASTE WATER TREATMENT FACILITIES

### SMALL CHANGES, BIG IMPACTS

Water and waste water treatment plants often represent a city's largest cost center. Therefore, even a small percent change in energy bills can have a large impact. How will you identify the best energy strategies to produce the results and reliability you need? **AESC works with dozens of water treatment plants to successfully implement cost-saving energy solutions.**

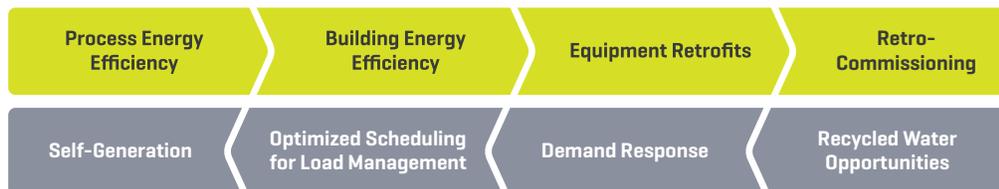
### COMPLEX SYSTEMS REQUIRE EXPERT RESOURCES

Your water plant is an intricate system of interdependent actions, and one change can have a ripple effect. When evaluating equipment or process improvements, the entire facility must be taken into account, and the review must be careful and systematic. **AESC has the knowledge and experience to understand and accurately assess your unique plant in order to find the solution that is right for you.**

### RELIABILITY IS JOB ONE

The most important question for any energy-saving strategy is whether it will impact reliability. Thus, we use reliability as our gating factor and analyze opportunities by identifying the effect on operations first. **We understand that reliability must drive decision-making, and we work to ensure that more energy-efficient operations also mean equal—or better—dependability.**

### AESC WATER PLANT EXPERIENCE INCLUDES :



AESC supports the goal of energy independence, reduced costs and improved operations.





# WE FOCUS ON YOUR ENERGY NEEDS, SO YOU CAN FOCUS ON THE BUSINESS OF PROCESSING AND TREATING WATER

For more than 20 years, AESC has served commercial and industrial facilities on behalf of utilities, regulators and state and local governments. We understand the regulated utility and municipal government environments as well as the complex world of water treatment and processing. **We are experts at maximizing utility incentives and exploring funding options.**

## PURSUE ENERGY EFFICIENCY WITH CONFIDENCE

You have ambitious goals to reduce energy costs, and there is no shortage of solutions or avenues through which to achieve them. There are, however, two major barriers—first is the fear of making a bad investment evidenced by lost reliability and misspent funds, and second is the challenge of identifying and assessing the best choices from a constantly changing array of solutions. **AESC support can help you overcome the barriers and make confident investment decisions.**

## UNBIASED ENERGY ENGINEERING

We don't sell equipment or implement projects. We work for you, and we focus on your goals. Our staff includes structural, mechanical, electrical and software engineers—each of whom has a passion for energy engineering. We are whole systems experts who understand the “change in state” from resource to energy, energy to distribution, distribution to use and back again.

| AESC STAFF DEMOGRAPHICS | QTY.      |
|-------------------------|-----------|
| Principal               | 3         |
| Program Manager         | 8         |
| Engineering Manager     | 2         |
| Energy Engineer         | 22        |
| Software Engineer       | 3         |
| Admin                   | 3         |
| <b>TOTAL STAFF</b>      | <b>41</b> |

| PROFESSIONAL CREDENTIALS SUMMARY |  | QTY. |
|----------------------------------|--|------|
| PE                               | Professional Engineer                    | 15   |
| EIT                              | Certified Engineer in Training           | 6    |
| EIPC                             | Energy Industry Professional Credentials | 24   |
| MS/<br>MBA                       | Master's or Graduate Degree              | 12   |
| BS/BA                            | Undergraduate Degree                     | 37   |

*MBE | SB - AESC is a Certified Minority Owned Business Enterprise and Small Business.*

## SERVING UTILITIES, REGULATORS, PUBLIC & PRIVATE ENTERPRISE SINCE 1994

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