



MAKE A BIG SPLASH WITH ENERGY SAVINGS

LOWER COSTS WITH EQUIPMENT UPGRADES FOR POOLS

ENERGY TRUST CAN HELP WITH SOLUTIONS THAT:

- Reduce energy costs
- Improve indoor air quality
- Regulate air and water temperatures
- Create more comfortable humidity levels
- Offer better indoor climate control
- Produce less condensation
- Increase guest comfort

“
We’ve cut our utility costs just by changing the lighting, how the water is handled, how we run the air systems—and now we have a new roof to keep all that heat in!
”

KayLee Kocher
Aquatic Director
North Bend Municipal Pool

Pool facility upgrades can save your business energy and money and improve customer comfort. Energy Trust of Oregon offers cash incentives to reduce your upfront costs and make energy-saving pool upgrades more affordable. Plus, many energy-related pool improvements can increase air and water quality in your facilities.

Watch the energy savings add up

Energy Trust trade allies can help you identify cost-effective improvements that can save energy and qualify for cash incentives.

Pool and domestic water heating.

More efficient equipment can include condensing pool heaters, solar thermal systems and shower timers, which help reduce operating costs.

Dehumidification equipment. Upgrading or replacing dehumidification equipment can generate significant savings while also reducing indoor humidity.

Heat recovery. The warm, humid air that must be exhausted from an indoor pool represents an opportunity to recover heat that would otherwise be lost.

HVAC. Automated, high-efficiency equipment can intelligently and efficiently react to changing conditions, significantly reducing energy and maintenance costs.

Lighting. Lighting can account for more than 20% of a typical facility’s energy use. Upgrading your bulbs, fixtures and controls can save energy and improve lighting quality.

Water sanitation and filtration. Integrate a UV filter with existing chemical sanitation systems and replace existing sand filtration with regenerative media filtration.

Variable frequency drives (VFDs). Compared to traditional constant volume pumps, variable speed pool pumps can substantially reduce water flow, saving energy while maintaining code-required flow rates.

Retrocommissioning. Retrocommissioning is the process of improving building efficiency by addressing a facility's issues without costly replacements. Efforts can include refurbishing HVAC equipment, updating equipment schedules and setpoints or weatherizing window and door frames.

Pool and spa covers. When water evaporates from heated pools and spas, the replacement water must be heated all over again. Covers save energy and water by reducing evaporation.

Insulation. Improving insulation in roof and attic spaces can substantially reduce winter heating bills while improving comfort.

Solar. Adding a rooftop solar electric system to a facility can generate a portion of its electricity onsite by drawing energy from the sun.



SAVE ENERGY. BRING US IN.

Dive in to energy savings for pools. Visit www.energytrust.org/BringUsIn, email existingbuildings@energytrust.org or call 1.866.605.1676.

Serving customers of Portland General Electric, Pacific Power, NW Natural, Cascade Natural Gas and Avista.

PROJECTS AT A GLANCE

Clark County Family YMCA

Projects

- Custom HVAC controls
- VFDs
- Condensing tank water heaters
- Boiler

Financial analysis

- \$82,300 in project costs
- \$39,000 in cash incentives from Energy Trust
- \$35,700 estimated annual energy cost savings

Estimated annual savings

- 48,600 therms

North Bend Municipal Pool

Projects

- Roof insulation
- Interior lighting
- Boiler
- Steam traps

Financial analysis

- \$250,000 in project costs
- \$16,200 in cash incentives from Energy Trust
- \$5,800 estimated annual energy cost savings

Estimated annual savings

- 20,200 kilowatt hours
- 5,700 therms

Astoria Aquatic Center

Projects

- Interior and exterior lighting
- Occupancy sensors
- VFDs
- UV sanitizer
- Tankless water heater

Financial analysis

- \$184,000 in project costs
- \$55,200 in cash incentives from Energy Trust
- \$38,300 estimated annual energy cost savings

Estimated annual savings

- 293,000 kilowatt hours
- 21,800 therms