

# Pump Systems Optimization

**Increase your energy efficiency, your reliability and your bottom line savings of 20% to 40%!**



When pump systems are not optimized for best efficiency they drain your profits, impact your maintenance budgets with higher energy and maintenance costs, shorten mean time between repair, and increase of carbon dioxide emissions. Optimized pump systems are more energy efficient and reliable overall. To help pump users run their systems more efficiently, a pump systems optimization and assessment identifies problematic areas where the greatest opportunities for improvement exist.

In this full day course, attendees will gain valuable new skills to help them improve centrifugal pump system efficiency and reduce energy and operating costs. This course is product-neutral and provides case studies and actual field data to show the energy savings and kilowatt reduction with a more efficient pumping system. Management can use this course as a valuable tool to introduce better energy efficiency practices within their scope and regions.

Participants will develop skills to identify a broad range of system improvement opportunities, determine where to focus efforts in their own organization and develop an action plan with financial justification. Your company or organization will quickly see a return on their investment in less than a one year period.

- Hands-on training on basic pump system interaction and pump designs
- Covers all the energy standards used in pump systems assessment

*This course is offered in collaboration with the Hydraulic Institute.*

## Objectives

- Learn why efficient pumping systems are important
- Gain expertise on the key concepts to system optimization and energy improvement opportunities
- Knowing how to screen pump systems and collect data
- Review case studies on improving the performance of pump systems
- Learn about life-cycle cost analysis
- Gain the core methods to developing an action plan and how to implement
- Review all the available software tools in analyzing a pumping system



## Logistics

<b>Regular fee:</b>	\$475
<b>Early Bird fee:</b>	\$425
<b>CEUs:</b>	0.7
<b>CSEP Points:</b>	2

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