

Pumping System Optimization:

Energy EFFICIENCY and Bottom-Line Savings

AGENDA

Day 1

Day 1 is held in a typical classroom setting utilizing tables, chairs, presentation software, whiteboard and screen. Instructors will teach material using PowerPoint, problem-solving demonstration and discussion. Exercises are designed to be worked on in groups and quizzes will be completed by the participants individually, with instructor(s) guidance, as needed. The instructors will then review the correct answers followed by opportunity for Discussion/Q&A.

- Introduction
- Benefits of Assessment
 - Exercise 1 & Discussion
 - Quiz 1 & Discussion
- Assessment Objectives
- Pumping System Fundamentals
 - Exercise 2 & Discussion (Group Exercise)
 - Quiz 2 & Discussion
- Break
- Varying Flow Rate in a Pumping System
 - Exercise 3 & Discussion
- Integrated Process Measurement and Controls
- Optimizing Pumping Systems
 - Exercise 4 – Screening Pump Systems
 - Quiz 3 & Discussion
- Lunch
- Pump System Assessment
- Analysis Tools
- Case Studies
- Break
- Available Resources
 - New Ratings for Efficient Pumps
 - Voluntary Efficiency Labelling & Incentives
 - New Pump Assessment Certification
 - Pump Assessment eLearning Course
 - Hydraulic Institute Guide Books
- Discussion, Questions & Wrap up
- Additional DOE slides (optional for Q&A)