



**Battelle**

*The Business of Innovation*

Welcome to the Training Course  
for  
Re-Tuning Commercial Buildings

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Improving Efficiency of Commercial Buildings

# Introductions – The Trainers

- **Darrel Hatley, CEM** – Darrel is an engineer with extensive experience in maintenance and operations, specializing in facility controls and energy management. He has over 35 years of experience in this field including working as an energy management control systems (EMCS) specialist, engineering support advisor, and manager of facilities at Battelle. His experience includes project management, design, installation, code writing and commissioning. He has been a presenter at major energy seminars and DOD training sessions and has taught Basic Refrigeration and Control classes at Columbia Basin College.
- **Ron Underhill** – Ron has more than 20 years of hands-on experience in HVAC controls and energy management and control systems (EMCS). He is currently the EMCS manager for the entire Pacific Northwest National Laboratory Campus and is responsible for project management, design and installation of HVAC equipment and control technology. He previously worked for Johnson Controls for over 10 years. He held several positions, ranging from field technician to facilities automation engineer. His controls experience covers a wide range of buildings including schools, hospitals, offices, laboratories and central plant facilities.



# Purpose of Today's Class

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- Provide you an in-depth overview of the Battelle Commercial Buildings Re-Tuning Method
- Prepare the participating technicians for hands-on field training on one of your buildings over the next few days
- Provide an opportunity for you to ask questions and get clarification on any aspect of the re-tuning process

# Questions

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