

Job Posting: Energy Engineer – University Mechanical Contractors, Inc.

University Mechanical is seeking an Energy Engineer to be based in Mukilteo WA. Global demands for viable energy and environmental solutions are increasing at a record pace. In response, University Mechanical Contractors recently combined three core business offerings into one group called UMC Energy & Environment (E&E). UMC E&E identifies client infrastructure needs which will protect your community, the health and welfare of your tenants, and your bottom line. We are recognized within the industry as a trusted partner and we are focused on delivering technically sound projects to our clients while doing so with the highest integrity. UMC E&E brings the best teams with the right approach for district energy, resource conservation, water treatment, controls, and resolving technical challenges related to energy management.

Locally owned and operated (Mukilteo WA), University Mechanical Contractors, Inc. designs and builds complete mechanical systems for commercial and industrial projects. With over 99 years of experience, UMC is one of the largest mechanical contractors in Washington State, having performed commercial and industrial work in Oregon, Alaska, Nevada, California, and Hawaii.

Please email resume to dbabington@umci.com.

Energy Engineer

General Position Summary: Develop energy conservation projects through on-site auditing, engineering analysis, understanding of energy/ mechanical systems and thorough communication and fact-finding. Conservation projects include all aspects of utility conservation: mechanical, electrical, lighting, and water conservation. Assist with LEED certification on design/ build projects, including building modeling and recommendations for mechanical/ energy system design.

Essential Job Functions:

1. Work directly with Energy Services team in the development, procurement and execution of conservation projects.
2. Assist in the development of energy conservation project scope and proposal development.
3. Perform preliminary and detailed utility usage analysis for existing facilities.
4. Perform preliminary and detailed facility audits to identify conservation opportunities.
5. Identify & recommend specific conservation measures for existing facilities.
6. Apply building energy modeling programs to develop building load & energy models.
7. Work with design/build engineering team to develop LEED certification through application of modeling programs.
8. Estimate and document energy & operational savings opportunities.
9. Work with Project Managers & Estimating team to develop project cost estimates.
10. Develop and document design concepts for project proposals.
11. Assist in development of project measurement & verification plans.
12. Coordinate with utilities to obtain incentives & rebates.
13. Identify project risks and work with project team members to mitigate.

14. Maintain and control documents in compliance with UMC Standards as well as contractual compliance.
15. Review contract drawings, detail drawings and specifications.
16. Assist in proposal development, bid process and the procurement of new work.
17. Provide proactive, clear and timely communication to team members.
18. Develop and maintain client relations.
19. Be professional and uphold UMC Core Values.

Secondary Job Functions:

1. Work directly with project managers and measurement & verification specialists to confirm estimated energy savings requirements.
2. Assist Sr. Controls Specialist with Re-Commissioning efforts on existing facilities.

Education Requirements Needed to Perform the Essential Duties of the Job:

1. A minimum of one- year experience as an energy engineer
2. Engineering degree desired (Mechanical or Electrical preferred)
3. Energy modeling experience a plus
4. WA State Professional Engineering License preferred (not required)
5. CEM Certification preferred
6. LEED Certification preferred