

April 15, 2018

WattTime (Oakland, CA, USA)

Dear Hiring Manager:

I am writing today to express my interest in the **Energy/Power Systems Lead** opportunity listed on your website. WattTime's mission of providing real-time information on the emissions intensity of electricity has clear potential in the fight against climate change. Making significant fractions of the electricity load responsive to environmental indicators can help utilities integrate more intermittent renewable resources, improve the environmental performance of electric vehicles, and help building owners optimize their operations to minimize associated emissions, among many other potential impacts.

As an energy efficiency engineer with over eight years of relevant experience in the public, private, and research sectors, I believe my skill set can meaningfully contribute to WattTime's mission. In my enclosed résumé you will see that I have diverse experience in many areas of the energy sector, including demand side management program consulting, building and network simulation, and technical administration of government energy efficiency programs. The most relevant highlights of my experience include:

- Long-Term Forecasting for a Gas Utility - Network Peak Demand Modelling
- Data Platform Needs Assessment for Building Energy Reporting Programs
- Statistical Modelling for ENERGY STAR® Portfolio Manager building benchmarking tool
- Hourly energy simulations for high performance buildings
- Bulk power flow modelling for electric vehicle and wind integration studies

I have a keen interest in the intersection of the energy sector and data science, evidenced by my recent completion of an online Data Analyst "nanodegree", which included data analysis, visualization, and machine learning projects. I have contributed to the development of an energy data specification and have recently been working on developing a Python-based energy data exchange tool involving web scraping and REST APIs. I am a licenced Professional Engineer in Ontario, Canada, and am functionally bilingual in French.

I look forward to discussing the **Energy/Power Systems Lead** role with you in more detail – I hope to hear from you soon.

Best Regards,

Brett Kerrigan, P.Eng., M.A.Sc.

P.S. Please visit my web-based CV at <http://webcv-webcv.7e14.starter-us-west-2.openshiftapps.com/>