Srikar Kovirineni

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Professional Summary

Policy-focused energy professional with a passion for decarbonization and strong analytical skills. Seeking to leverage my research background and understanding of California's energy landscape to drive data-driven policy analysis and support solar project development.

Skills

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| * Predictive Modelling | * Legislative and Regulatory Research | * Policy Analysis |
| * Finacial Analysis * Energy Market Analysis | * Project Management * Stakeholder Management | * Solar Project LCA Tools * Financial Modelling |

Education

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| **Master of Science - Energy Systems Management**  *University of San Francisco, California* | May 2025 |

* **Energy Industry Strategy**: Analyzed the interplay of California's Low Carbon Fuel Standard (LCFS), Cap-and-Trade program, and renewable energy mandates, assessing their impact on solar project financing and decarbonization strategies.
* **Policy Analysis**: Analyzed the interplay of California's SB 100 targets, renewable portfolio standards (RPS), and market mechanisms like the LCFS to assess their long-term impact on solar project economics.
* **Financial Analysis**: Evaluated California's regulatory frameworks, analyzing permitting timelines, and modeled their impact on renewable energy project economics.
* **Quantitative Methods:** Applied statistical analysis and modeling techniques to evaluate energy system performance and economic viability.
* **Introduction to Microgrids**: Led development of innovative decentralized energy solutions addressing local and global challenges, analyzing policy, social impact, finance, and technical design.
  + **Site Assessment**: Evaluated site suitability, solar resource, and grid constraints for a 200kW Solar-Hybrid microgrid to optimize design and regulatory compliance.
  + **Interconnection:** Collaborated with CERAF-NORD to address interconnection requirements, ensuring grid compatibility and alignment with regional technical standards.
  + **Financial Feasibility**: Performed financial modeling to determine project feasibility and a target LCOE of $0.34/kWh, aligning with industry benchmarks.
* **Current and Future Courses:** Renewable Energy Economics, Renewable Energy Technologies, Energy Law, Electricity Systems, Renewable Energy Finance, Energy Policy, Integrated Resource Planning, Energy Practicum
* **Additional Certifications:** Solar Project Finance Basics: PPA Structures, LCOE Modeling (Coursera, January 2024)

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| **Bachelor of Science - Environmental Science**  *Carleton University, Ottawa, Ontario* | April 2022 |

Experience

*June 2022-August 2023*

**Environmental Data Analyst**

**Environment and Climate Change Canada | Burlington, Ontario**

* Managed and analyzed environmental datasets to assess regulatory compliance and inform environmental impact assessments.
* Analyzed sediment core data to identify chemical contamination trends, informing risk assessments and potential remediation strategies.
* Optimized data management and streamlined processes in 3+ research projects, ensuring timely analysis and insights for project decision-making.
* Collaborated with research teams to analyze environmental data, contributing to reports used in regulatory reporting and publications.
* Developed predictive models in Excel to forecast lake oxygen levels, informing environmental assessments and supporting data-driven decision-making.