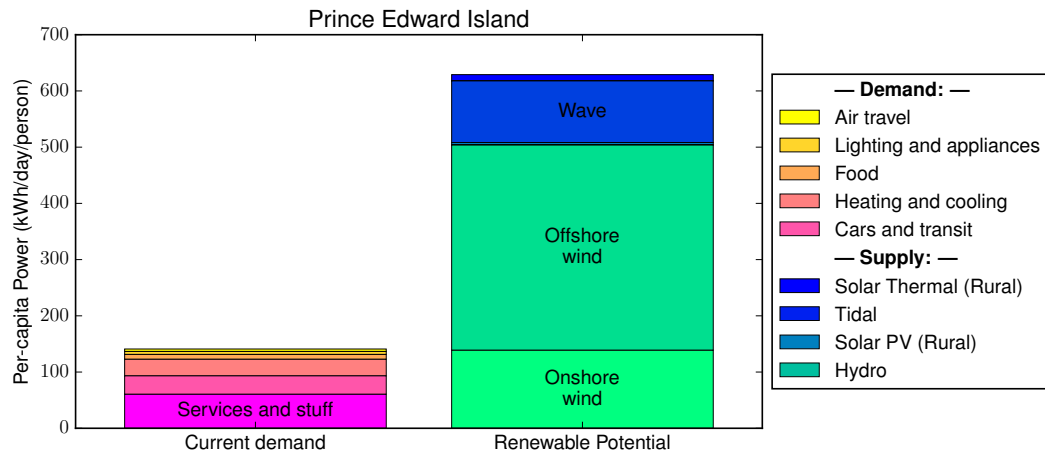


Renewable energy scenario for Prince Edward Island

This snapshot is based on “[The renewable energy landscape in Canada: a spatial analysis](#),” *Renewable & Sustainable Energy Reviews* (2016), doi:10.1016/j.rser.2016.11.061. Our project assembles all sources of energy use into familiar household categories, and it identifies feasible sites for renewable energy generation across Canada. CONTACT: [C. BARRINGTON-LEIGH, MCGILL UNIVERSITY](#)

The small population of P.E.I. has a typical per capita energy consumption for Canada; see below. Yet its maritime borders offer it a large surplus of renewable power from offshore wind farms and wave power. In addition, even its onshore wind resources could be sufficient by themselves to supply all current demand for energy, as long as it could be traded with neighbours to cover periods with low local wind velocity.



The stack on the left shows the sum of all energy currently consumed, as both electricity and combustion, in Prince Edward Island. On the right is a breakdown of available renewable energy resources.

For maps, methods, sources, and more detailed discussion, see our [full paper](#). We do not carry out an economic analysis, but our criteria for generation siting relate also to economic feasibility. Overall, our analysis shows that all but two provinces in Canada have sufficient renewable energy potential to meet the entire current energy demand.

