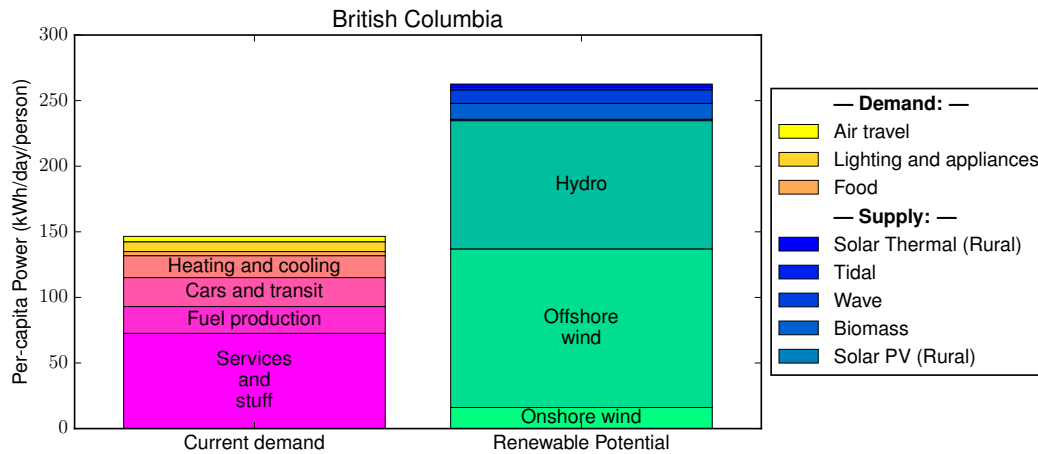


Renewable energy scenario for B.C.

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](#)

British Columbia’s large existing wealth of hydroelectric power is complemented in our scenario with huge offshore — and some onshore — wind resources, as shown in below. All wind and solar and other intermittent renewable power developed in B.C. will benefit from their complementarity with hydroelectric dams, which can be controlled to flow when other resources aren’t. We also count biomass and wave power as significant resources in B.C.’s future renewable portfolio.



The stack on the left shows the sum of all energy currently consumed, as both electricity and combustion, in B.C.. 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.

