

Canadian Renewables Today and our Energy Demand Future

Alexandria Shrake and Aaron Foyer
ENERGYminute Cofounders

Summary

In Canada most of us enjoy the luxury of constant electricity, what feels like an endless supply of transportation fuels, and warm homes from the heat of burning natural gas. Developing nations also will want to enjoy a similar lifestyle, and energy consumption is increasing globally. The debate about how we do this has become polarized. How Canadians are meant to consume energy has become a political cornerstone in how the public views political figures. ENERGYminute's research in energy and electricity is meant to provide information to the general public that is dissectible and understandable.

Introduction

There is undoubtedly space for all forms of electricity generation and transportation options. In Canada we typically use natural gas to heat our homes, hydroelectric to keep the lights on, and oil to get us from point A to point B. Certain studies project 300-500 percent growth of renewable forms of electricity generation. A breakdown of electricity generation in Canada have hydroelectric at the very top of commercial uses of renewable electricity generation, and all other forms with much lower commercial capacity in Canada. An informed country will likely build electricity infrastructure that is efficient so that the energy from wind and solar farms can reach city centers, where geothermal potential is harnessed where appropriate and safe, and where citizens are aware on what it really means to get off oil.

Theory and/or Method

Observations from studies and raw data provided by the IEA, CanGEA, CanWEA, CAPP, Provincial Governments across Canada, NRCAN, the IEA, and other scientific forms of study have been observed, interpreted, and presented in the scope of Canadian demand.

Examples

The Canadian renewable market is a small, relative to fossil fuel generation, and growing industry. Focus will be on Solar PV, Wind, Hydroelectric, Nuclear advances, geothermal, and current Canadian consumption.

Conclusions

Canada needs an informed public that weighs all aspects of how to develop our electricity and transportation infrastructure. We live in an age of information and misinformation. Our news comes from polarizing media outlets that produce half news and half entertainment, and it is our job as scientists to be informed on how to discuss energy and energy policy in a scientific way that weighs all data. ENERGYminute is a science based approach to the dissemination of data so all Canadians can access information that is citable and reproducible.

References

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