

Ontario Clean Air Alliance

- Formed in '97 to call for 100% ON coal phaseout
- Then turned to 100% renewables no nukes no gas
- Conservation, water power/storage from QC, wind, solar, storage including bi-directional EV batteries
- Lift offshore moratorium on the Great Lakes





















- 131 Canadian civil society orgs and Indigenous communities have signed statement opposing gov't funding of SMRs https://cela.ca/statement-on-small-modular-reactors/
- Nuclear energy is not green, not clean, too costly and too slow to build.



Nuclear power is in trouble



- In mid '90's, 17% of global share of electricity
- Today it's under 10% of global share
- Aging infrastructure with deadly waste and no solution
- Risks: Chernobyl and Fukushima
- Bankruptcies Areva, Westinghouse, ON hydro
 - Can't compete with lower cost renewables



Canada to the rescue















- In 2017, the feds gave Canadian Nuclear Assoc. \$1 M to map out plan to revive the industry
 - 2018 released *Cdn. Roadmap for SMRs* to expand SMRs throughout Canada, including remote Indigenous communities
- Strategy was to convince Cdns SMRs are a climate solution
 - Roadmap urged fed and prov gov'ts to fund SMRS; exempt SMRs from fed. IA; merge waste streams; shield operators and suppliers from liability (as are CANDUs)
- ON, NB, SK and AB have since signed MOUs to promote SMRs



Funding Committed by Cdn gov't

- The Dept. of Innovation, Science and Economic Development Canada (ISED) began flowing funds directly to SMR vendors in Oct. 2020
 - \$20 M to Terrestrial (US)
 - \$50.5 M to Moltex (UK)
 - \$27.2 M to Westinghouse (US)
- Recent fed. budget gave tax credits to nuclear developers
- Can. Infrastructure Bank (CIB) gave a \$970 M low-interest loan to OPG for the first of 4 SMRs in the GTA GE Hitachi (US-Japanese). If built these BWRX-300 SMRs would be the first grid-connected SMRs in the world











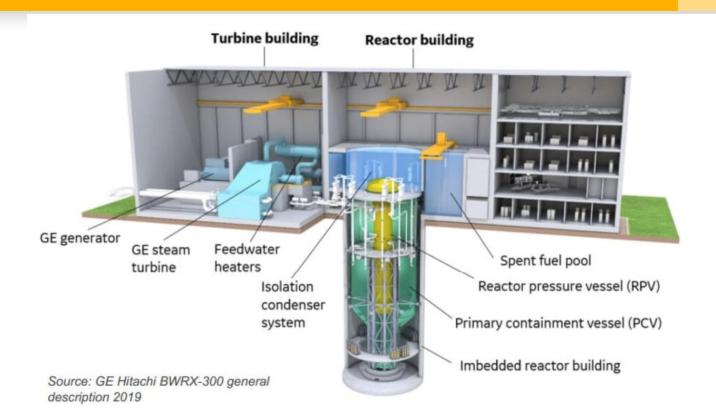








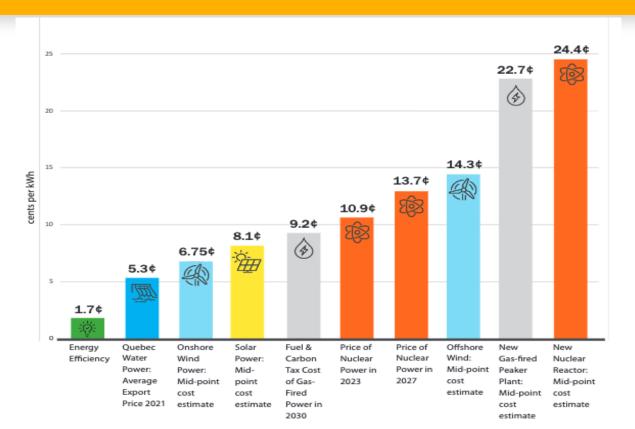






COST / kWh (US)







Dirty Dangerous Distractions

- IPCC says we need to reduce emissions by almost half by 2030 to limit temp. rise to 1.5 degrees.
- Nuclear 10 15 years; wind and solar 1 year
- Untested powerpoint reactors, not commercially viable
- Not "clean" nothing clean about radioactive pollution (ie. tritium), accidents and long-lived waste (1 mill. years)
- Expensive 3-4 x more than renewables
- Proliferation concerns
- Exempt from federal EA law (IA)
- CNSC captured regulator



After 50 years of nuclear operations, Canada still has no long-term storage solution for the mountain of radioactive waste that the industry has created





The Solution

- Instead of spending on SMRs, Canada should support only renewables and energy efficiency technologies which are socially acceptable, cost effective, create more jobs, and scalable now.
- Support communities experiencing harmful impacts of our energy choices across Canada and globally. (e.g. mining and waste)





SAY NO to nuclear & YES to renewables and conservation

Tell Federal and Provincial political leaders to invest in renewable power, not high-cost, high-risk nuclear reactors.

NoGTAreactor.ca