The Pickering Nuclear Station

Too close for comfort

Why we need to close Canada’s oldest nuclear station
Nuclear in the wrong place

2.2 million people live within 30 kilometres of the Pickering Nuclear Station.
The Pickering Nuclear Station is surrounded by more people than any other nuclear plant in North America.
Old

Pickering is the 4th oldest nuclear station in North America

1. Oyster Creek – Ocean County, New Jersey – 1969
3. Point Beach – Two Rivers, Wisconsin – 1970
5. B. Robinson – Hartsville, South Carolina – 1971
6. Palisades – Covert, Michigan – 1971
8. Pilgrim – Plymouth, Massachusetts – 1972
10. Turkey Point – Homestead, Florida - 1972
Pickering is the 5th largest nuclear station in North America

- Bruce (Bruce County, Ontario): 6,232 MW
- Palo Verde (Phoenix, Arizona): 4,212 MW
- Darlington (Clarington, Ontario): 3,512 MW
- Browns Ferry (Athens, Alabama): 3,300 MW
- **Pickering (Pickering, Ontario): 3,094 MW**
- South Texas (Bay City, Texas): 2,560 MW
- Oconee (Seneca, South Carolina): 2,538 MW
- Susquehanna (Berwick, Pennsylvania): 2,429 MW
- Comanche Peak (Glen Rose, Texas): 2,367 MW
- Salem (Lower Alloways Creek, New Jersey): 2,332 MW
What would happen if a Fukushima-scale accident happened here?
Independent Expert

Dr. Ian Fairlie

• Radiation Biologist
• PhD from Imperial College of Science, Technology and Medicine, London, U.K.
Assessing impacts

Key Assumptions:

• Similar amounts of radioactivity released
• Similar fallout distribution pattern
Radioactivity impacts

Low dose and high dose fallout areas
Radioactivity impacts

High dose fallout areas

Pickering Nuclear: Too Close for Comfort
Health impacts

26,000 cancers, of which 13,000 are fatal

- Thyroid cancers not estimated
- Heart disease and strokes not estimated
Evacuation zones

100 years +

70 years +

30 years +
Evacuation zones

- 653,000 people affected
- 154,000 single family residences
- Includes Pickering, Scarborough, Markham, Whitchurch-Stouffville, Newmarket, Richmond Hill, East Gwillimbury, Aurora and Uxbridge
- Highways 401, 404 and 407 are in evacuation zone
- CN/CP/GO Rail line in evacuation zone
Evacuation zones

- Lost Housing Value $125 billion
- OPG’s Liability is capped at $1 billion by *Nuclear Liability and Compensation Act*
- Your home insurance policy does not cover you for a nuclear accident
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Shutting down Pickering

- Pickering’s operating licence expires on August 31, 2018
- OPG is seeking 10-year licence extension
The better option

- Close Pickering on August 31, 2018
- Import Quebec water power to keep lights on and lower our electricity rates
- Immediately dismantle and decommission Pickering to create 32,000 person-years of employment

= huge savings
Speak out!

Ask candidates in the provincial election if they support closing this old and outdated nuclear plant.

Sign our petition at:
CleanAirAlliance.org/Close-Pickering