



## **Supplementary Information**

## **Renseignements supplémentaires**

### **Oral Presentation**

### **Exposé oral**

### **Presentation from the Canadian Association of Physicians for the Environment**

### **Présentation de l'Association Canadienne des Médecins pour l'Environnement**

In the Matter of

À l'égard de

**Ontario Power Generation Inc.,  
Pickering Nuclear Generating Station**

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**Ontario Power Generation Inc.,  
centrale nucléaire de Pickering**

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Request for a ten-year renewal of its Nuclear  
Power Reactor Operating Licence for the  
Pickering Nuclear Generating Station

Demande de renouvellement, pour une période  
de dix ans, de son permis d'exploitation d'un  
réacteur nucléaire de puissance à la centrale  
nucléaire de Pickering

**Commission Public Hearing – Part 2**

**Audience publique de la Commission –  
Partie 2**

**June 2018**

**Juin 2018**



**Public Hearing for OPG application to  
renew licence for Pickering Nuclear  
Power Plant for 10 years, Jun. 25-29,  
2018**

Cathy Vakil MD,  
Canadian Association  
of Physicians for the  
Environment (CAPE)



# Recommendation

- The CNSC not grant OPG a licence to continue operation of Pickering nuclear power plant for 10 years
- The provincial nuclear emergency response plan (PNERP) should be updated to address a Fukushima level accident, in keeping with international best practices

# Problems with nuclear energy

- Ongoing chronic releases causing illness in people living close by
- Radioactive waste
- Cost
- Risk of accident
- Inadequate provincial nuclear emergency response plan (PNERP)

# Problems with the PNERP

- The PNERP should use an INES level 7 accident as the planning basis
- Intentional lack of detail because a serious accident is “unlikely”
- Estimates of the probability of a severe accident do not align with actual frequency seen worldwide
- Does not address the population effect of a small risk

- Conflict of interest regarding source of information
- International best practices – Switzerland
- Expand KI distribution
- Assumptions about response to a nuclear accident

- Drinking water contamination
- Healthcare preparedness, public education
- Concerns about primary and secondary zoning



# Conclusion

Request from OPG to extend the operating licence of Pickering Nuclear Power plant for 10 years should be denied until an adequate provincial nuclear emergency response plan is in place that addresses the unique situation in Pickering and that is in keeping with international best practices