



ONTARIO POWER
GENERATION

Council for Clean and Reliable Energy

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Lubna Ladak
Vice President
Ontario Power Generation



OPG - Who We Are

- Ontario's largest and lowest cost electricity provider
 - About half of Ontario's electricity
 - 16,218 MWe in-service capacity
- More than 99% free of smog and carbon emissions
 - Last piece of coal burned in 2014
- Building our business
 - Nanticoke Solar project
 - Acquisition of Eagle Creek Renewable Energy
- Demonstrated history of safe operations
 - 100 years of electricity production; 50 years of nuclear experience
- Darlington Refurbishment – continues on time, on budget
 - Future generation opportunities depend on current performance and reputation





Markets calling for smaller, simpler technologies = SMRs



**1. On-grid power
(150 to 300 MWe)**

Competitive option for
replacement of coal-fired
generation



**2. Heavy industry
(10 to 80 MWe)**

SMRs could reduce mine energy
costs by 20-60%



**3. Remote communities
(1 to 10 MWe)**

Longer-term market;
over 70K communities
internationally