

Smarter generation

Instead of using energy sources like natural gas or biomass to produce just electricity or heat, we can dramatically increase the efficiency of our energy systems by using these fuels to produce both services at the same time. This approach is called “combined heat and power” and it is often 80-90% efficient versus the 34% efficiency of a coal plant like Nanticoke.

It’s a clean energy solution that provides numerous advantages: it produces low-cost power for industry and commercial users with significantly lower emissions of both smog builders and greenhouse gases; it puts power where it is needed, avoiding transmission line losses and the need to build more expensive transmission infrastructure; and it increases the overall reliability of the electricity system by diversifying its power sources.

Combined heat and power systems can be used by schools, hospitals, shopping malls, factories, condos, office towers, water treatment plants and numerous other facilities. **Ontario’s total combined heat and power potential is equal to approximately 100% of our existing coal and nuclear generation capacity.**

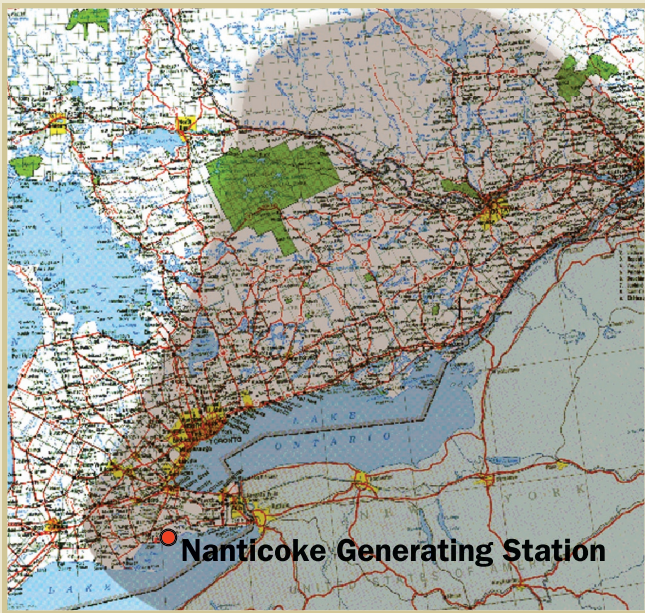


Keep your promise to phase-out coal burning at Nanticoke by 2009

Premier Dalton McGuinty
Legislative Building
Queen’s Park
Toronto ON
M7A 1A1

PLACE
STAMP
HERE

Nanticoke’s emissions travel long distances



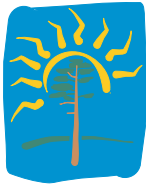
Nanticoke’s emissions of smog-causing pollutants fall over a huge area of southern Ontario, Quebec and northern New York. In fact, these emissions can travel as far as Canada’s East Coast.

Nanticoke is the No. 1 greenhouse gas emitter in Canada. Climate change is a serious and growing threat that, if left unchecked, will cause extreme temperatures, severe storms, droughts, flooding, rising sea-levels and species extinctions. Phasing out coal-burning at Nanticoke will provide Ontario with approximately one-

third of the total greenhouse gas emission reductions the entire province needs to achieve compliance with its Kyoto Protocol target in 2010.

Toxins like mercury and lead are particularly harmful to children and may cause behavioural and developmental problems. Ontario must phase-out coal burning at Nanticoke in order to achieve compliance with the proposed Canada Wide Standard for Mercury.

The Nanticoke Generating Station is owned by Ontario Power Generation (formerly Ontario Hydro), which in turn is owned 100% by the Government of Ontario.



The Ontario Clean Air Alliance is a coalition of health, environmental, and consumer organizations, faith communities, municipalities, utilities, unions, corporations and individuals working for cleaner air through a coal phase-out and the shift to a renewable electricity future. Our partner organizations represent more than six million Ontarians.

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**An urgent air-quality message from
the Ontario Clean Air Alliance**

www.cleanairalliance.org

COVER PHOTO: ALBERT KOEHL / OCAA



Premier Dalton McGuinty has broken his promise to phase-out coal burning at the gigantic Nanticoke Generating Station by 2009 — leaving Ontarians facing the unhealthy prospect of many more years of smog, greenhouse gases and toxic pollutants spewing from the plant’s huge smokestacks.



**Tell the Premier this is
not the future you want —
fill out the postcard below**

Ontario heading backwards

We don't need dirty coal to keep the lights on in Ontario. We really have a huge range of better options including energy efficiency, clean renewable power and advanced combined heat and power generation.

High-cost power

We will all pay a very high price if the phase-out of coal burning at Nanticoke is delayed. The Ontario Medical Association says that every year in Ontario, air pollution kills 5,900 people and costs us \$7.8 billion in health-related costs and lost work time.

Nanticoke produces as much air pollution annually as 3.3 million cars. It is also Ontario's single largest source of smog-causing nitrogen oxides and airborne mercury emissions. Smog causes asthma attacks, heart and lung disease, strokes and premature death. Mercury is a neurotoxin that can permanently damage the brain and kidneys and is particularly harmful to children and developing fetuses.

**Ontario uses
60% more
electricity per
person than New
York State.**

Nanticoke is Canada's No. 1 source of climate-change causing greenhouse gas emissions that create unstable and dangerous weather patterns in Ontario, such as increasingly severe heat waves, destructive storms and even tornados.

Why has the government put the demands of the Association of Major Power Consumers in Ontario (e.g., Imperial Oil, St. Marys Cement) to

keep our dirty coal plants open ahead of the need to protect public health and curb dangerous climate change? Why should big companies get subsidized power while we pay the true price in terms of asthma attacks, heart and lung disease, strokes, premature deaths and increasingly deadly climate change?

**The air
quality problem is a
health crisis. We're at
red alert now. We can't
delay action on the coal
phase-out any further.**

*— Gideon Forman, Canadian
Association of Physicians
for the Environment*

Premier McGuinty can keep his promise

There is no reason for Premier McGuinty to delay the phase-out of coal burning at Nanticoke for a single day beyond 2009. The Premier can keep his original promise by simply directing Ontario Power Generation (OPG) to convert Nanticoke's boilers from dirty coal to cleaner-burning natural gas, which would dramatically reduce Nanticoke's greenhouse gas and smog emissions and eliminate releases of toxins like mercury and lead.

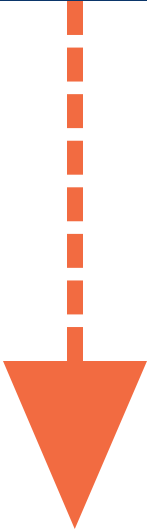
A Nanticoke conversion to cleaner-burning natural gas would cost less than half of the \$1.25 billion that OPG spent to re-start the Pickering A Unit 4 nuclear reactor while providing almost eight times more power.

In combination with a strong plan to dramatically increase our energy efficiency, exploit our vast renewable power resources — from wind, water, solar, biomass and geothermal sources — and tap into the huge potential for combined heat and power, the Nanticoke conversion could set the stage for phasing out all

of Ontario's dirty coal-fired power plants and help us build a clean, green electricity system in a generation. Please ask Premier McGuinty to immediately pass a legally binding regulation requiring the phase-out of coal burning at Nanticoke by 2009.

**Now that's a vision worth putting some
energy into.**

For more on the OCAA's five-step plan to build a clean, green electricity system, visit www.cleanairalliance.org/vision.



Premier: Keep the coal phase-out promise!

Dear Premier McGuinty,

I am deeply dismayed by your decision to break your promise by indefinitely postponing the phase-out of coal burning at the Nanticoke Generating Station — Canada's No. 1 air polluter.

I support the Ontario Clean Air Alliance's plan to convert Nanticoke's boilers from dirty coal to cleaner burning natural gas. This simple action will permit the phase-out of coal burning at Nanticoke without reducing Ontario's electricity generation capacity.

Please keep your promise by issuing a legally binding regulation that will require Ontario Power Generation to phase-out coal-burning at Nanticoke by 2009.

Name: _____

Address: _____

City: _____ Postal Code: _____

Signature: _____