

The Delaware Economic Development Office Delaware

Electric Generation Multi-
Pollutant Regulation
Development Presentation

Economic Impact of Proposed Regulation

- DNREC has not look at what the impacts will be in regards to these proposed regulations.

What are the Costs?

- Dover has said the costs to meet regulation are so high they will be forced to close their electric generation plant.
- New Coal Gasification Plant Cost about \$1 Billion

Unit (year built)	Age	Fuel	NO_x Controls – Current Emission Rate	SO_x Controls – Current Emission Rate	Mercury Controls – Current Emission Rate
Indian River 1 (1957)	48	Coal	First generation low NO _x burners & overfire air – 0.38 lb/mmbtu	Uncontrolled – 2.2 lb/mmbtu	Uncontrolled
Indian River 2 (1959)	46	Coal	First generation low NO _x burners & overfire air – 0.33 lb/mmbtu	Uncontrolled – 2.1 lb/mmbtu	Uncontrolled
Indian River 3 (1970)	35	Coal	First generation low NO _x burners, overfire air, & selective non-catalytic reduction – 0.28 lb/mmbtu	Uncontrolled – 2.2 lb/mmbtu	Uncontrolled
Indian River 4 (1980)	25	Coal	First generation low NO _x burners, overfire air, & selective non-catalytic reduction – 0.30 lb/mmbtu	Uncontrolled - 1.0 lb/mmbtu	Uncontrolled
EdgeMoor 3 (1954)	51	Coal	Selective non-catalytic reduction – 0.17 lb/mmbtu	Uncontrolled – 1.01 lb/mmbtu	Uncontrolled
EdgeMoor 4 (1966)	39	Coal	First generation low NO _x burners & gas reburn – 0.18mmbtu	Uncontrolled – 1.04 lb/mmbtu	Uncontrolled
EdgeMoor 5 (1973)	32	Residual Oil	First generation low NO _x burners – 0.35 lb/mmbtu	Uncontrolled – 0.60 lb/mmbtu	NA
Mckee Run 3 (1975)	30	Residual Oil	Burner modifications & Fan Boost Overfire Air – 0.35 lb/mmbtu	Uncontrolled – 0.73 lb/mmbtu	NA

Who is going to pay for these
improvements



Industrial Electric Generation

- Industrial electric generation plants do not have the ability to pass on their costs to customers like a utility has the ability to pass on rate increases.
- Plant closures

Solutions not Regulations

- Who (Who is going to pay and how much will it cost?)
- Where (Where will new plants need to be built?)
- When (When will the improvements take place?)
- How (How is it going to be paid for?)

DNEREC

- Should work with the Delaware Economic Development Office, Energy Office, Public Service Commission, Delaware Municipal Electric Corporation, Delaware Electric Cooperative and Delmarva Power

Coal's Resurgence in Electric Power Generation



Equivalent Power
for
85 Million Homes

Proposed New Plants

140 Plants
85GW
\$ 119 Billion



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