

Comments to New York State Climate Action Council, Draft Scoping Plan, December 30, 202

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General Comments

Apparently, the European Union has declared natural gas and nuclear-generated power as “green”. Will New York follow the EU with the same declarations? How will these reliable sources of “green” energy be put to use in NY State?

What is NYS investment in next generation nuclear power? Will NYS advocate for a nuclear fuels recycling and storage program at the federal level.

Reforestation to provide more natural and effective carbon sinks? Tax credits for reforestation on private land? Tradeoff vs using land as a carbon sink vs for vast solar power arrays?

If the grid becomes less reliable (as it is becoming in California now) who in NY State will be accountable?

The document is well short of factoring the technical and engineering challenges to achieve stated power source.

Be sure to protect the rights of individual and company land holders.

How many individuals in NY State and nationwide are employed in the “climate change industry”?

Will I receive a response to my questions and comments?

Chapter 1

Authors of this document with their bios and political affiliations should be listed prominently in the front of the document.

The cost and funding sources to produce this document should be listed prominently in the front of the document. Is this document taxpayer funded?

Do the authors of this document seek a balanced set of opinions and approaches?

Chapter 2

Sighting catastrophic events as evidence of climate change is suspect if not corrected for population growth over time in areas that always have been subject to hurricanes and other massive weather events

2.3 The clean grid of tomorrow should be subordinate to the secure and resilient grid of tomorrow.

Page 10: in 2040, what portion of land will be devoted to solar and wind? How many wind turbines will be required? What is the maintenance and replacement cost vs next gen nuclear?

Chapter 8

Lists heat stresses. Will there be mitigation from reduced cold stresses?

Chapter 9

Figs 6 through 9, what is the total energy supplied by the electrical grid in 2020 vs 2050? Is this consistent with the proposed energy mix?

Has the study fully considered the life cycle costs of electrified vehicles and grid-level battery storage? Are battery powered vehicles truly “zero emission” considering their life cycle?

What are high energy storage battery life and lifetime costs (including mining, recycling or disposal)?

What is the overall cost to convert from today's energy sources to 2040 energy mix? What will be the resulting energy costs/kWh to energy consumers?

Given NYS latitude, how does solar potential vary by season? Note that NY is at roughly 42 deg latitude! What are the seasonal effects on wind power?

If natural gas is replaced by solar is there enough solar energy available if all NYS were heated via electric heat pumps?

What portion of overall Global GHG emissions will this NYS proposal eliminate?

Has this study considered that today the predominant source of solar and lithium ion battery production is China? Was consideration given to source all wind and solar energy production sources from domestic (USA) producers?