

Name: David bradley

Title: Engineer

Organization: Buffalo Wind Action Group

County: Erie

I hope this works out better than the 2010 NY Climate, energy section, which recommended 16 new nukes (unspecified locations, but probably WNY, northern NY. In light on Fukushima (3 core meltdowns) and Chernobyl, this was stupid in the extreme. Here are some suggestions: 1. The health and economic effects of a partial core meltdown AND a containment breeach senario for all 6 reactors should be described (7th scenario is when both Indian Point reactors spew forth) if nukes are envisioned in NY's future. Hopefully, we have no nukes in our future. 2. Job creation per gigabuck of investment is approximately two times greater for wind turbines as it is for nukes/coal burners/natural gas burners as long as manufacturing of these systems in NY is considererd. 3. The present marginal based pricing system for electricity and fuels is resulting in essentially no renewable energy investment in NY (need several billion dollars worth PER YEAR). It also results in higher fossil fuel based electricity prices and greater extaordinary profits/economic rents to owners of old, fully paid off pollution energy owners. An examination of a pricing system that stimulates renewable energy with no state and no Federal subsidies is requird. 4. Possible ownership by NY State (via NYPA?/also by municipalities) of wind farms needed to provide most and/or all electricity to NY facilities (SUNY, prisons, govt bldgs, state/municipalitiy owned hospitals, water purifiacion/delivery plants, sewage plants). This will remove a lot of parasitic corpoarte income drain, almost all pollution based (coal, nukes, nat gas) from NY State and municipal governmental revenues. 5. Lower the maximum highway speed limit to 55 mph, and enforce it. This will prevent between \$1.6 to \$3.2 billion/yr from leaving NY State at \$100/bbl crude oil prices, or twice that at \$200/bbl crude oil prices. 6. Use of the Export Land Model to get the world crude oil prie for the next decade. The results will not be pleasant, but more truthful that what has been used to date. 7. Assumption of no Shale Gas exploitation in NY Statein the energy plan. 8. Assumption of no new nukes installed in NY. 9. Assumption of widespread usage of renewable based electricity to replace natural gas used to for heat (residential, commercial) either as resistan, heat pump, passive/active solar thermal and heat pump (which is an efficient form of electrical) 10. Assumption of a decline in the predatory finance sector of the NY economy and replacement by real wealth creation (manufacturing, agriculture) jobs/businesses - need accurately described with respect to social and economic impact 11. Increase in NY agriculture via the production of energy crops and/or energy/food, enough to supply the equivalent of 32 million bbls/yr of gasoline. 12. Electrification of all NY state major freight rail lines. 13. Rapid installation of Pa border to Buffalo/Niagar Falls, Buffalo to Albany passenge only rail lines, to be financed by fees on airline tickets into NY, or sales of jet fuel in NY State 14. Constuction by NYPA of 20 GW of pumped

hydro facilities, throughout NY State, but especially for Lake Champlain, Seneca, Cayuga, Keuka, Canidaigua Lakes, Taconic mountains, several in Catskills. This will allow NY to proceed to an all renewable energy future, and will also allow NY to receive income via electrical energy storage of other states's electricity.

15. A goal of 2 GW of tidal electricity for Long Island/NYC by 2020. 16. A goal of 10 GW of offshore wind farms off of Long Island, at least half made in NY State. 17. A goal of at least 20 GW of Low Wind Speed Turbines (LWST) installed in NY State, at least half of all of these parts/final assembled products made within NY State. 18. Large scale usage of greenhouses/cogen facilities to grow most of or all of NY's perishable foods that are consumed within the state, since the cost to transport this food from afar (Florida, Texas, California, Mexico, South America) when oil is between twice to five times its present level by 2020 will make transport prohibitively expensive. Anyway, this is a start. I would also like to be one of the people assembling the new and improved energy plan. Especially as the 2009 plan was so horrible. Dave Bradley