***MITIGATING CLIMATE DAMAGE FROM RECREATIONAL CANNABIS CULTIVATION:***

New York State is moving toward commercial scale recreational cannabis cultivation. Cannabis cultivation is consuming between 2% to 5% of various states’ electric consumption. That could amount to over 1000MW in New York State.

That amount of electric consumption could cripple the New York Electric grid during periods of peak electric demand – as cannabis cultivation peak electric demand coincides with consumer peak electric demand during daylight hours.

Cannabis facilities with their own ***off-grid*** natural gas fueled electric generation would solve the stress on the electric grid but would contribute to Greenhouse Gas production.

The solution is to mandate that all new future recreational cannabis cultivation in New York State be grown in Greenhouses, with their own ***off-grid*** electric generation, where the Carbon Dioxide from the power plant’s exhaust is captured and the Carbon Dioxide is introduced into the Greenhouse, where the CO2 is entirely “sequestered” in the cannabis plants themselves.

A 50-acre state of the art Cannabis Greenhouse facility will, not only conserve massive amounts of water, eliminate the need for pesticides, but will use 50MW of gas fueled power generation where 100% of the CO2 generated from the ***off-grid*** power plant will be utilized as a super fertilizer and be sequestered in the plants.

This will allow for:

* New York to become the leading grower of pesticide-free Cannabis in the US
* This Cannabis growth would have no effect on the New York Electric Grid
* Produce no Carbon Dioxide as 100% of the CO2 will be captured and permanently sequestered

***CONCLUSION:***

NYSERDA’s Climate action Plan should mandate that all new recreational Cannabis cultivation be grown in Greenhouses that contain their own ***off-grid*** natural gas Power Plants, where 100% of the Carbon Dioxide be sequestered in the Greenhouse.

This is a standard agricultural technique used in Europe where leading agricultural technology has been consistent with Europe’s Green environmental and climate goals.

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