

Energy and New York State – by Andrew Hunter

Background:

New York State has created a new initiative led by the Public Service Commission (PSC) entitled

“14-M-0101: Reforming the Energy Vision (REV)”

<http://www3.dps.ny.gov/W/PSCWeb.nsf/All/26BE8A93967E604785257CC40066B91A?OpenDocument>.

The PSC has been holding meetings throughout the State to hear comments on the initiative. Individuals, companies, industrial interests and government interests have the opportunity to weigh in on the idea.

Task:

Construct an energy model for New York State. The model should be a snapshot of a recent year. It should use publically available data published by the EIA and NYSERDA and augment it with as much other data as is appropriate.

Once in place the team should first look at the structure of energy supply and demand, and use it to comment on the steps being taken by the current PSC to accelerate the growth of renewable energy within the state.

Having done that, the team should add algorithms that would enable the user to project the supply/demand balance ahead for 5-10 years. This will require the team to extrapolate the installation of renewable energy and the improvement, if any, in energy efficiency.

FYI

Model Created to Map Energy Use in NYC Buildings

<http://engineering.columbia.edu/model-created-map-energy-use-nyc-buildings>