

**From:** [James Pfeiffer](#)  
**To:** [comments\\_EMP](#)  
**Subject:** [EXTERNAL] Comments to the Draft NJ Energy Master Plan  
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BPU Staff:

There are many good points in the Energy Master Plan (EMP) but there are three areas that seemingly have been avoided. There may be some reason for this or it may just be an oversight. The EMP seeks to address how we reduce emissions and how we generate clean power. These comments address either or both of these areas;

### **Reduce and Eventually Eliminate Emissions From Landfills**

Landfills are documented as the third largest source of CO2 emissions after power generation and transportation. This is not addressed in the EMP. New technologies exist that can process municipal solid waste and sewage into a synthetic gas that can be used as a fuel in engines to make electricity. This is not incineration. Waste thus processed does not end up in a landfill and thus produces no methane emissions. The methane component of the landfill gas emissions are actually much more onerous than the CO2 emissions. The power generated also offsets power generated from fossil fuel and the CO2 emissions associated with them.

### **Plant Trees**

Trees are a documented source for carbon capture. NJ has lots of trees but we can always use more. Set a mandate that each county has to plant 100 trees per year for the next ten years. It will help.

### **Rooftop Solar**

Most of NJ roofs are not shaded by trees so rooftop solar is an easy addition to any roof, especially a new roof. Like a lot of New Jerseyans, I frequent the NJ shore a lot over the summer. The town I go to is a barrier reef island and has nice beaches and only little decorative trees. In one stretch of a little over 1 mile, there are over a dozen new houses in some phase of construction. The average list price of these houses is greater than \$3,000,000. Not one house has solar power of any kind. These houses are most heavily used during the summer when solar radiation is at its peak and when the temperatures and therefore air condition loads are at a peak. NJ overall uses a lot of energy in the summer for air conditioning.

The state should institute a requirement that any new home of greater than \$400,000 in construction costs must have appropriate solar power generation incorporated into it. The state has construction codes already, this can simply be added. In the long run, it provides payback to the owner and again helps reduce CO2 emissions.

The draft EMP makes a statement about NJ and innovation. Be innovative in terms of the EMP, give these three suggestions serious consideration for incorporation into the EMP.

Thank you.

Regards,

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