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General Comment

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In the face of climate change, we need real solutions now. Clean, safe, and affordable nuclear power will put us on the path of obtaining improved public health, a better conserved, protected natural environment, and a more vibrant, creative economy. Approving the application for Turkey Point 6&7 will simply lead to a better future.

Nuclear fission is a technology that we have today and doesn't require the development of another technology, like battery storage; A technology that has not yet reached mass commercial viability. If the world is lucky enough to develop commercial battery storage, then nuclear power will work even better. In contrast, renewable energies merely depend completely on the development of battery storage. Instead of straining our economy with renewables by stretching the technology just to get back to the "volume" of electricity generated today with fossil fuels, we can revamp and transform our economy with abundant nuclear energy.

Nuclear power will transform our economy because generating electricity through nuclear power can be done at a more inexpensive price point than coal. Also, removing the negative externalities of pollution will free up investment. Businesses will invest more when the oft-hidden costs of pollution are removed. More investment means more jobs. Lastly, new ventures and industries that are too energy-intensive under our nuclear-deficient energy system--venture like indoor vertical farming--will be possible with increased nuclear energy generation.

A nuclear powered economy will improve public health and help protect the environment. Ventures like indoor

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vertical farming will put fresh food on tables nationwide. This fresh food will be produced without pesticides or even dirt. Think of all the forests we can save if forests don't have to be cleared for farmland. Also, nuclear power can scale up to completely displace fossil fuels: France generates 80% of its electricity with nuclear power. Replacing fossil fuels would remove from the environment air pollutants that today kill thousands--if not tens of thousands--of people every decade in North America. In some situations, the intermittent nature of renewables leads to more fossil fuels being burned, which creates more air pollution. As someone who has a couple of family members with asthma, I can tell you that depending on renewables to generate more power than the technology is capable of does not help my family members breathe any easier.

I will like to conclude by praising the positive aspects of renewable technologies (surprising from the tone of the article, I know). Renewable technologies coupled with battery storage have great potential to make our grid more stable. Having small distributed power-storage stations that are powered with wind and solar would be a great way to deal with localized energy-demand spikes, which would replace the need for gas-fired peaking stations. Renewables could literally outshine and outperform fossil fuels in providing peaking power when it is built upon nuclear baseload power. However, if we do not allow the construction of nuclear units at Turkey Point 6&7--and at other locations--the use of fossil fuels will continue unabated to supply the necessary amount of energy to put food on our tables and power our economy. It is critical to approve Turkey Point 6&7 because without these units we will miss not only on the benefits of nuclear power, but also the benefits of renewables.