Belmonte, Juan

From: kirkafrost@yahoo.com
Sent: Friday, November 15, 2019 9:21 AM
To: comments, EMP
Subject: [EXTERNAL] IEP Feedback - Please delay the IEP release and schedule a 2 year session to build the IEP

Dear NJBPU,

It has been 9 days since the webinar material was published to the EMP website. Today also happens to be the last day to send comments in on the IEP. I sent in 2 comments already, but I have at least 5 more I would to send, but not enough time to put the concepts together.

At the very least, could you please extend the IEP deadline to March 15, 2020? Then also perform an awareness campaign while collecting data on what other states and countries are doing for their energy integration plans?

The best scenario, which I strongly encourage NJBPU to consider, is to:

Inform Governor Murphy that the IEP and EMP will be completed by 2022, while in parallel, NJBPU will be putting together recommendations for Governor Murphy to enact and also continue current NJ clean Energy initiatives.

The EMP is already late and draft EMP was late from EO 28 deadline. So what? A deadline is meaningless if we start down a path that is the wrong direction based off of bad recommendations. Let's take the time to do this right. Let's have the IEP authored by NJ Agencies and vetted through partners and community and put a target of completing the draft IEP by 2022.

Here are the recommendations I would encourage NJBPU to consider:

1. Request Governor Murphy to create the Energy Master Plan Transformation Program Office (EMPTP) NJBPU has strong leaders and I would encourage considering nominating one of those leaders to head up the EMPTP.

2. Initiate an IEP 2 year project that focuses on working across NJ agencies, partners and NJ residents who have commented to develop the NJ Draft IEP.
    a. Research what other countries and states are doing for energy integration.
    b. Build lessons learned from other regions
    c. Work with companies and states that are pursuing aggressive clean energy
    d. Engage NJ high schools and NJ colleges in competitions every 6 months to facilitate awareness, pilots, proofs of concepts and innovation currently available for the IEP.
    e. Allocate at least 1 person from each agency that needs to be involved with publishing the IEP. Ideally, it should be the experts in each area (grid, fuel, transport, emissions, etc).

I greatly appreciate that NJBPU has put in significant effort towards this. I am encouraging NJBPU to extend the time set so that NJ can take the time to build an IEP created for NJ, by NJ. RMI is 10 years out of date. If I read what they provided to NJBPU 10 years ago, I would know it is wrong, but it would have been the only avenue at that time. That is not the case anymore. Much has changed and I even informed RMI leadership about that 2 months ago.

If NJBPU uses RMI's IEP, then NJ will waste a lot of time, effort and money on a direction that is no longer valid. Let's do it ourselves and put the time in to do it right.

I very much appreciate your consideration and hope you will decide to approach this in a way that will strategic for NJ in terms of costs and technology.

Sincerely,

Kirk Frost

Did you know:

- Hydrogen myths busted?
- According to the direct in CT – they are finding Battery Electric Vehicles (BEV) substantially lose power by 50% during cold days – means you can drive only half the stated mileage specified for the car?
- EMP and IEP are looking to electrify and change over to BEV? That BEVs are the bridge to Fuel Cell Vehicles (FCEV)? – yet CA stated they found that effort to electrify and roll out BEV vehicles to be substantially more costly than what was modeled and that the costs increase over time as batteries degrade.
- BEV vehicles take at least 2 to 4 hours to recharge and FCEV vehicles take 2 to 5 minutes to refuel, could any of change our living and driving patterns so we plan to stay at a gas station for 2 to 4 hours while our vehicle recharges? Its great if it is a set routine every day where both destinations have recharging facilities available, otherwise, it can be a nightmare.
- South Korea plans to build 3 hydrogen powered cities by 2022?
- Nikola Motor, Cummins and Toyota are in a race to roll out FCEV trucks in the US nationwide starting 2020 that have at least a 600 miles per tank range?
- Japan is building the largest hydrogen generation plan by 2022?
- Both China and California to have 1,000,000 FCEVs on the road by 2030?
- Europe already has hydrogen trains?
- UK is doing research to inject hydrogen into natural gas pipes with the intention of changing over to hydrogen?
- Switching natural gas heat of buildings to electricity is not as simple or practical as people state – it is very costly and very difficult to do (I know this from experience)?
- Hydrogen can be produced anywhere there is water available and most conducive to locations that have sunlight (locally sourced and locally distributed such as NEL H2Station being used globally)?
- FCHEA and California Fuel Cell Partnership?