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13	Thursday, April 19, 2018
14	10:30 a.m. Three Empire State Plaza
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21	COMMISSIONERS:
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23	JOHN B. RHODES, Chair GREGG C. SAYRE
24	DIANE X. BURMAN JAMES S. ALESI
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(On the record 10:30 a.m.)

CHAIRMAN RHODES: I'd like to call this session of the Public Service Commission to order.

Secretary Burgess, are there any changes to the final agenda?

SECRETARY BURGESS: Good morning Chair and Commissioners. There are no changes to this morning's agenda.

CHAIRMAN RHODES: Thank you. With that let's move right into the agenda. The first item for discussion is Item 301, Cases -- Case 18-E-0138 which is the matter of Electric Vehicle Supply presented by Bridget Woebee, assistant counsel. Chris Graves, our principal economist is available for questions. Bridget, please begin.

MS. WOEBEE: Morning Chair and
Commissioners. The order before you today institutes a
proceeding on motion of the Commission regarding electric
vehicle supply equipment and infrastructure to consider
the roles of New York's electric utilities when
encouraging greater penetration of electric vehicles and
the electric vehicle supply equipment throughout the
state.

In order to meet the state's -- state

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Public Service Commission - Monthly meeting - 4-19-18 energy plans targets of reducing gas emissions, forty percent below 1990 levels by 2030 and eighty percent below 1990 levels by 2050, the state's transportation sector must be electrified. Through this proceeding the Commission will consider cost effective ways to build electric vehicle supply equipment and infrastructure and determine whether utility tariff changes will be needed in addition to those already being considered for residential customers to accommodate and promote the deployment of electric vehicles.

Even at low penetration rates, the locations of charging stations is an important consideration that will be collaboratively addressed here. The proceeding will also investigate the characteristics of electric vehicle charging systems and how those systems might facilitate electric vehicle participation as a distributed energy resource in a manner not yet captured by the Reforming the Energy Vision initiative.

This proceeding builds upon but it does not duplicate the ongoing REV efforts such as the proposed E.V. readiness framework, pardon me, filed by the joint utilities as part of their supplemental distributed system implementation plan. The proceeding similarly supports ongoing utility initiatives such as those approved in Con

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Edison and Niagara Mohawk's most recent orders approving
their rate plans and that proposed in the recently filed
Central Hudson joint proposal.

By this order, excuse me, by this order the Commission directs the Department of Public Service staff to convene a technical conference and obtain stakeholder input to identify and address what immediate and long term actions will best support electric vehicle market growth. Quickly following the technical conference, the Commission directs staff to issue a white paper that will address a range of topics relating to electric vehicles and electric vehicle supply equipment based on stakeholder input.

All the stakeholders will be invited to comment on staff's recommendations once filed so that the Commission may consider all feedback before making a determination in this proceeding. If there are any questions, Chris Graves of the Office of Markets and Regulatory Economics and I are available to take questions.

CHAIRMAN RHODES: Thank you, Bridget. I view this institution of a proceeding as timely since electric vehicles are coming of their own momentum as manufacturers and as customers shift their preferences. And I think instituting this proceeding is important

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Public Service Commission - Monthly meeting - 4-19-18 because we need a framework that will get this right with respect to the costs, the benefits and the issues for the distribution grid that arise out of the penetration of electric vehicles.

And with respect to the role, whatever that is, the utilities could potentially play. Roles that need to be good for New Yorkers and for customers. So I support this proceeding that is about developing the understanding that we need as the basis for recommendations and as the basis for inviting and benefiting from widespread stakeholder and expert commentary. Are there any comments or questions from my fellow commissioners? Commissioner Sayre?

chicken and egg problem with the move to electric vehicles. People in companies don't want to buy the vehicles if charging stations are not sufficiently available and convenient. But companies don't want to invest in charging stations if there aren't enough electric vehicles on the road to support them.

Now we can't solve that conundrum at the P.S.C. at least not entirely. But we can help make it easier and more economical and stimulate this market which is critically important in my view for reaching the state

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There are a lot of thorny issues here several of which the chair just mentioned. The extent to which we should allow utilities into the charging station market, and most important I think for us is how we can make these new electric vehicles and facilities benefit the electric grid as well as the environment.

We also have to keep in mind constantly how we can protect nonparticipating ratepayers from any undue subsidies for those who buy the electric vehicles. This item appropriately starts the stakeholder process, followed by a staff white paper, followed by a notice in comment process. For all of these and other issues related to E.V.s, I'm happy to support it.

CHAIRMAN RHODES: Thank you. Commissioner Burman? I wasn't on -- Commissioner Burman?

Spent quite a bit of time in being reflective on what the need was for this proceeding to move forward at this time. I'm very cognizant of the fact that we have been involved in looking at E.V.s across the state not just since 2013 and when the M.O.U. was signed. But even before that and -- and many years before that being involved in it. And looking at it, and obviously one of the inflection points

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Public Service Commission - Monthly meeting - 4-19-18 was the V.W. settlement and what that may mean.

So for me it's what's the role of the regulators and state regulators now in helping to move forward in a thoughtful way the appropriateness of E.V.s? And New York like other states in the nation and in frankly internationally are undergoing significant changes in the energy sector. And due to technology innovations and public policies and market forces and other factors, we're moving towards a cleaner and more distributed grid. And we are focused on consumers having more of a role and looking at being more active and helping to have a more of affordability.

And so for me I'm also cognizant of the fact that we've had many in -- inflection points. D.E.R. being one of them, energy storage, rooftop solar and the list goes on. And with new technological innovations, the -- we will have our challenges as well as our opportunities. And so for us it's to focus on what our role is, not just at the state level, but in a way that works and is in alignment at both the state and the federal level and doesn't get sort of sucked into the shiny objects. But also doesn't get caught up in being afraid in moving forward in a thoughtful way, and helping keeping in mind our overall role.

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So for me, I do think it's appropriate to start this proceeding. But I do think that we need to be cognizant of our alignment. Our alignment with other proceedings that are going on at the state level as well as at the federal level. And also not seeing this as meaning that electrification is the be all and end all because we have many questions that still need to be answered. How does this fit into the overall picture from a resiliency and reliability perspective? What is the appropriate penetration?

How does this fit in to looking at it from a cost and affordability perspective? How does this fit into our overall state policies not just for the 2015 state energy plan but to the state energy plan for the future? The 2019 one, the ones after that. And making sure that we're moving forward in a thoughtful way that is not focused on just the current public policy that may be, but really can have lasting impact on what our core objectives are on safe and reliable service and protecting the grid for future as well.

So some of my focus really is on being cognizant of the fact that we can't look at this in a vacuum and we need to look at it from an alignment perspective. And that we need to be cognizant of that

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Public Service Commission - Monthly meeting - 4-19-18 when we do change one part of our energy grid, whether it is here with looking at electrification. We also cause disruption, good or bad, in some ways to other parts and the whole, and so we need to look at that and be cognizant of that. That goes along with looking at technology and focusing on some of that.

You know, we looked -- we've seen that when we looked at net metering and just solely focused on net metering and some disruptions that that's caused. Looking at it from the perspective of trying to fix rate designs and seeing that there are other concerns with business models. And also how does this fit in the overall picture of electric and -- and natural gas and the coordination between that?

How does this also complement the D.E.C. proceedings that are going on and the comments that are coming in with that? How does this fit with the ongoing developments that are happening with the working groups that are being -- being -- stakeholder groups that are happening across the state and outside of the state on transportation that -- that are focused on electrification? But also outside of that, how will this work?

We've seen how if we just do it in

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Public Service Commission - Monthly meeting - 4-19-18 isolation we may wind up causing problems and then have to pivot and try to fix things that we forgot to bring into the equation and need to take a closer look at. So I'd like us, when we move forward, to not think that this is an easy road but also to keep in mind that we need to look very holistically and focus on the alignment of the bigger picture and the whole. And work towards what that transition will be and what our role as a regulator is and not get caught up in the shiny objects but really focused on the alignment and our focus on our core objective as regulators. And looking how it should match up.

And keeping in mind also that some of the
- the true information that is needed is the data and -
that needs to come in in terms of the -- the replacement

issues, the infrastructure issues that are needed and what

that may mean from a penetration perspective. And some of

those core forecasting models that will need to be there.

And so those things are very important to get right and to

have true analysis on the cost and the projections are

very, very key and -- and critical and to look at that.

And also what exactly will be coming from other avenues? From whether it's the V.W. settlement or others and what that may mean in terms of future costs and future impacts that may need to be put into the system.

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And then how that may trigger disruptions to other systems and other changes that may need to be done on that. Those -- all of those sort of side issues are very, very important, so. Thank you.

CHAIRMAN RHODES: Thank you very much.

Commissioner Alesi?

COMMISSIONER ALESI: Thank you.

CHAIRMAN RHODES: So with that we will proceed to move on this item, Item 301. My vote is in favor of the recommendation to institute a proceeding to encourage greater penetration of electric vehicles and electric vehicle supply equipment in New York State as described. Commissioner Sayre, how do you vote?

COMMISSIONER SAYRE: Aye.

CHAIRMAN RHODES: Commissioner Burman, how do you vote?

COMMISSIONER BURMAN: I concur.

CHAIRMAN RHODES: Commissioner Alesi, how

do you vote?

COMMISSIONER ALESI: Yes.

COMMISSIONER SAYRE: The item is approved and the recommendation is adopted. We move now to Item 303. We're doing a little bit of numerical leapfrogging. But Item 303, Case 17-E-0814 is also an E.V. related item,

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Public Service Commission - Monthly meeting - 4-19-18 and it is the tariff filing by the Consolidated Edison Company of New York to modify its electric tariff to expand the scope of its economic development business incentive rate to include an electric vehicle quick charging station program presented by Mary Ann Sorrentino, acting chief electric rates and tariffs. Chris Graves remains available for questions. Mary Ann, please begin.

MS. SORRENTINO: Good morning Chairman Rhodes and Commissioners. Item 303 is a draft order addressing a tariff filing made by Consolidated Edison. In its tariff filing, Con Edison proposes to include an electric vehicle quick charging station component in its business incentive rate program. The business incentive rate program offers discounted delivery rates to large general service customers and is intended to attract and retain businesses and jobs in New York City and Westchester County.

The current business incentive rate discount is either thirty-four or thirty-nine percent depending on the delivery service rate. Con Ed's proposal is intended to mitigate the high cost of operating E.V. charging stations in an immature market with low station utilization. Therefore, Con Ed proposes that the E.V. quick charging station program be in place for a period of

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Public Service Commission - Monthly meeting - 4-19-18 seven years.

The company's business incentive rate is available to four hundred and twenty-five megawatts of load. As proposed, thirty of the four hundred and twenty-five megawatts would be available for the E.V. quick charging station program. The delivery rate discount would be available to owners of newly constructed E.V. quick charging stations with a minimum aggregate charging capability of one hundred kilowatts and a maximum aggregate demand of two megawatts. Additionally, the quick charging station must be publically accessible and must receive an economic incentive from other government authorities.

Delivery service to E.V. quick charging stations will provide a new revenue opportunity for electric utilities and therefore existing electric ratepayers will experience financial benefits. Comments on the filing were received from Tesla, consumer power advocates, the City of New York and NYSERDA. Tesla requests that the Commission consider waiving the requirement to receive economic incentives from other government authorities. They explain gaining eligibility for the business incentive rate program may be difficult given the lapse of the federal alternative fuel station

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Public Service Commission - Monthly meeting - 4-19-18 tax credits.

Consumer power advocate proposes that the discount be available to non-publically accessible charging stations. The City of New York and NYSERDA are supportive of the filing. The city indicated that the E.V. quick charging station program will complement its efforts in increasing access to quick charging infrastructure and explained it is determining how it can best use a combination of twenty million dollars in capital funding already allocated to quick charging hubs and future funding allocations to meet the governmental economic incentive requirement.

NYSERDA indicated that the Con Ed's program coupled with NYSERDA's incentives will likely achieve the near term economics necessary for greater uptake and installation of quick charging stations. The Con Ed E.V. quick charging station program should be implemented independent of the new generic E.V. proceeding -- proceeding giving time and sensitivities.

Volkswagen -- Volkswagen Group of America, through its nonprofit subsidiary Electrify America, will invest two billion dollars over a ten year period in zero emission vehicle infrastructure, education and support for increased adoption of Z.E.V. technology in the United

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States as part of an agreement to settle allegations of violations of the Clean Air Act.

of the two billion dollars, eight hundred million is dedicated to California and one point two billion will be spent outside of California. The one point two billion dollar commitment is being spent in three hundred million dollar increments over four thirtymonth cycles. Cycle one of Electrify America began in 2017 and provides for approximately two hundred and fifty million dollars in funding for E.V. charging station infrastructure.

The New York City metropolitan area was selected as one of seventeen metro areas where Electrify America will concentrate cycle one investments. Delaying implementation of the Con Ed E.V. quick charging station program would result in decreased uptake and a missed opportunity to leverage the business incentive rate to maximize new investment in Con Ed's territory. The draft order adopts the E.V. quick charging station program as proposed by Con Ed. This concludes my presentation. And Chris and I are available for questions.

CHAIRMAN RHODES: Thank you, Mary Ann.

This strikes me as a pragmatic, reasonable, size limited proposal and with appropriate requirements on

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Public Service Commission - Monthly meeting - 4-19-18 accessibility et cetera of the infrastructure. It's straightforward to implement and it poses no foreseeable conflict with any other initiatives that we're contemplating including Item 301 which we just discussed and approved.

So to me it makes sense. I also find that it is timely given the fact that it is foundational to making the New York metro area eligible for these -- for these meaningful Volkswagen funds. So I am going to be in favor of this item. Commissioner Sayre?

COMMISSIONER SAYRE: I spoke earlier about the electric vehicle chicken and egg problem and the issue of what utilities should be permitted to do with respect to charging stations. This item in my view is in the nature of a toe in the water to see how one form of utility participation, here being discounts for quick chargers with third parties actually installing and -- and operating the chargers, is going to work. And I hope it works.

I -- I hope it -- it attracts a lot of market players. And it looks like we have a good shot at at least getting participation by Volkswagen. But whether it works or it doesn't, the nonparticipating ratepayers are protected. If nobody shows up to benefit, from the

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Public Service Commission - Monthly meeting - 4-19-18 discounts, then it's no harm, no foul and we'll have to try something else. But if on the other hand the program is fully subscribed despite these discounts, the additional revenues that Con Ed will get from the charging companies will exceed the additional expenses which actually benefits the nonparticipating ratepayers by reducing Con Ed's revenue requirement.

So this is an item in my view with minimal risk and some significant potential benefits. So I'm very pleased to support it.

CHAIRMAN RHODES: Thank you. Commissioner Burman?

I think we're oversimplifying the issues here. I don't understand how this is not in conflict with -- with moving forward at this time. Are we saying that failure to act now is putting -- is going to cause us to not be able to get the V.W. settlement monies in the New York City area? Is that what we're saying? Because there's nothing in the record to -- to say that we need this for the V.W. settlement monies.

MR. GRAVES: This -- this isn't needed to get the Volkswagen settlement money. But what happens is, you're able to leverage the money that Electrify America

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Public Service Commission - Monthly meeting - 4-19-18 wants to invest in the New York metropolitan area to get more stations built so you have a bigger bang for the buck. And more benefit.

Something in the record that says, regulator, we would like this to be approved because we are trying to leverage the money with the -- the -- that's coming, the V.W. settlement money? It's a vacuum. So as it relates to the V.W. settlement money and the approval here, there's nothing in the record that is tying it, for me, to feel comfortable on the record to say it is necessary for me on the record to -- to say it's necessary at this time to do that.

We have an open proceeding that we just started instituting a proceeding on E.V., and we have a second proceeding that's a petition that was just made by NYPA and others that in it mentions this -- this proceeding, this Con Ed B.I.R. and talks about how it's aligned. And, again, it's a forty-three page petition that NYPA has read and I haven't gone through it, but it mentions this Con Ed B.I.R. So all of that has to get -- has SAPA'd and processed and -- and relevant and weighed in not only to the proceeding that we just opened but this. So I'm having a disconnect to understand how this

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Public Service Commission - Monthly meeting - 4-19-18 relates to why it's necessary at this time for us to adopt a seven-year tariff on this when we're not supposed to be blindly going forward in determining the utility role.

To -- unless -- unless I'm harming the monies for the V.W. settlement, I'm just trying to figure out -- because I can only go with what's on the record. And this -- this was a question that I did ask about the V.W. settlement. This is not -- I'm not blindsiding you at session here. We talked about my need to know on the record about this.

MS. SORRENTINO: So I -- I think that the record supports the filing as proposed by Con Ed independent of the settlement. It -- it is a rate discount whereby all customers served under the B.I.R. are charged at the marginal rate. So there will be no negative impact on existing ratepayers.

MR. MYERS: Yeah, Commissioner, can I add to that? Warren Myers --

COMMISSIONER BURMAN: Thank you.

MR. MYERS: -- director of market and regulatory economics. This is a very specific program that to me is very consistent with all of our economic development flex rate programs that have been around for years and years. This is a way, as Commissioner Sayre

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Public Service Commission - Monthly meeting - 4-19-18 said, to try to attract load that otherwise would not come to the electric utility at a -- that -- that will contribute to revenue requirement above the incremental cost cause.

The extra information that staff brought to you about the V.W. settlement was just -- I guess I consider it on the record now, and I don't think it's a very controversial fact to -- I think Mary Ann laid out the facts of the program to you and you can conclude whether that's an extra persuasive point. But to me this is right down the middle of the plate for all of our flex rate type programs.

COMMISSIONER BURMAN: Okay. Thank you. So let us just go forward with right now we have this B.I.R. potential to petition. Or actually not. It's a tariff filing asking for this. And this would be a seven year tariff. And part of the issue is in here it says that there -- the -- if it was fully subscribed it would support over eighty-five thousand electric vehicles by the end of the seven year program. Now is that eighty-five thousand electric vehicles from a replacement perspective, or would that be new electric vehicles? So is the -- is the incentive to get folks off of their current vehicles?

MS. SORRENTINO: The eighty-five thousand

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guess for me the question is what is the need to do this now rather than some of the issue for moving it into the proceeding especially since in NYPA's petition they talk about looking at rate design and they talk about the business incentive rate? And I'm just trying to figure out, especially as it relates to the V.W. settlement and the comments on -- that are out there in D.E.C. and the ongoing dialogue on what the appropriate -- where the appropriate monies should be spent.

And since in this -- in this tariff filing there's also focused on economic incentives would also be leveraging not just this B.I.R. but also would be potentially focused on looking at federal, state and local grants that might come as well.

MS. SORRENTINO: So my understanding of the NYPA petition is for expanded eligibility of this incentive to a non-demand metered service class or non-demand billed service class, I should say. I think that the impetus behind acting on this now is the timing sensitivity of getting more vehicles on the road at really no cost to Con Ed's existing electric ratepayers.

COMMISSIONER BURMAN: Okay. And what about

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Con Ed's pilot program on E.V.s? Have we had any feedback on where -- where that is?

MR. GRAVES: Which program are you talking about? They have several programs that have -- a fleet project that works with residential customers. They have some other pilot projects that they're doing with electrifying buses. And so they've been doing outreach and working with customers and, you know, the city and a lot of the key players in this for a couple of years now. And so this -- this proposal grew out of that of trying to get the economics of the D.C. fast chargers to work better.

is, I'm not opposed to true economic development programs that will work and will help in the long run from an effectiveness. It's about the measurement and the verification and what is helping us in doing true, good energy regulation. My concern is that we have talked about a number of different programs that we have looked at including E.V.s. We have a whole host of them. And part of my concern, which I have been pretty consistent on, is the need to be aligned and look at these things holistically.

So I don't want to just do things in a

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Public Service Commission - Monthly meeting - 4-19-18 vacuum. So when we start one proceeding, and then I'm looking at approving another proceeding, which on its face may be a very good one and may be appropriate, it's important to me that we have a whole record that is -- has all the information. And so one of the things that's in my mind, missing from this, is the pieces -- the other pieces of the puzzle.

What does it mean in terms of how much money will -- will might be here from the V.W. settlement? How much other leveraging of state and local and -- and federal dollars may go into that? What will it mean from a penetration perspective if we are going to be -- if it is fully subscribed to eighty-five thousand over the seven years, what does that look like? Eighty-five thousand electric vehicles. While that may not be a lot in the whole footprint of Con Ed's territory, I would like to see how that matches up across the whole footprint.

Are we talking replacement? Are we talking new? Are we talking when we look at the other pilots?

When we're talking E.V.s with the other pilot programs that are going on with the buses, what are we talking about when we look at other grant programs that are being done? And how does it match up not just with electrification but other things that we may be doing with

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Public Service Commission - Monthly meeting - 4-19-18 microgrids and -- and, you know, just in general as it matches up on our energy regulation?

And, again, what does that mean from our load perspective and what may -- may be needing to do to make sure that we are appropriately providing safe and reliable service? So those are the things that I care about. And then getting back to, is the time right to do it now? Is it problematic if we wait? And my trigger point is it doesn't make sense for me to say yes to this at this point when we just instituted a proceeding.

And when I read the petition that NYPA had and they mentioned this while they mentioned it positively, it made me question if I had all my facts.

And then when I didn't understand exactly what was happening with the V.W. settlement, it caused me to be concerned because I can only go with what's on the record. So I'm explaining to you why this information is necessary for me to be comfortable in making, you know, what I believe is the right choice in moving forward. So I'm going to be voting no without prejudice for it to come back to us. But I -- I don't feel comfortable that I have all the information at this time to make the decision to move forward.

And I'm also concerned why we would do this

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Public Service Commission - Monthly meeting - 4-19-18 as a seven year tariff at this time and be locked in. Why this rather than what seems to be having been done through other REV pilots and other things? Why the decision here was to do it through this? Was there any discussion on doing it as a -- as a REV pilot? Or, again, what -- what information from the REV E.V. pilots was indicating if anything any positives or negatives from the E.V. REV pilots as appropriate information to have? And that we can see in the -- in the proceeding that we have in 301. Thank you.

CHAIRMAN RHODES: Thank you, Commissioner.

Thank you, Commissioner Burman. Commissioner Alesi?

COMMISSIONER ALESI: Thank you, Mr.

Chairman. In -- in my previous life I chaired the committee on economic development. And it goes without saying that a number of economic incentives passed through our processes. And it never bothered me to say no to a bad idea, but it always bothered me when we would say no to something that was a good idea. Or at least an idea that would offer potential for a good outcome.

I think this offers the potential for a good outcome. And I'd be supportive of whatever economic incentives would be forthcoming to help promote this. To say the least, if it frees local taxpayers, the ratepayers

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Public Service Commission - Monthly meeting - 4-19-18 from any worry, that's a benefit. There's a universal benefit to the clean air that would come from a program like this that will hopefully grow. And it will bring us closer to our ultimate goals of clean air. So I'm going to support this and I think that it's an appropriate proposal.

CHAIRMAN RHODES: Thank you, Commissioner.

So with that we will move to a vote on Item 303. My vote is in favor of the recommendation to approve Con Edison -- Consolidated Edison Company of New York's tariff on implement and electric vehicle quick charging station program as described. Commissioner Sayre, how do you vote?

COMMISSIONER SAYRE: Aye.

CHAIRMAN RHODES: Commissioner Burman, how do you vote?

COMMISSIONER BURMAN: No without prejudice.

CHAIRMAN RHODES: Commissioner Alesi, how

do you vote?

COMMISSIONER ALESI: Yes.

CHAIRMAN RHODES: The item is approved and the recommendation is adopted. So we'll move now to Item 302, back from 303. Case 18-E-0018 et al which are the proposed amendments to the New York State Standardized

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Interconnection Requirements, S.I.R., for small

distributed generators presented by Tammy Mitchell, deputy

director for electric. Bridget Woebee, assistant counsel

remain -- remains here and is available for questions.

Tammy, please begin.

MS. MITCHELL: Good morning Chair Rhodes and Commissioners. Last September, as part of the Value of Distributed Energy Resources or VDER Implementation Order, the Commission directed staff to consider whether any changes to the New York State Standardized Interconnection Rules or S.I.R. were needed to address two issues. One, the integration of battery storage into the interconnection process. And, second, the possible impact of extending value stacked compensation to larger resources up to five megawatts.

As the Commission directed, staff worked with the utilities and project developers in the interconnection policy and technical working groups on these two issues and developed the recommendations. These recommendations were included in staff's December filing in this case along with other proposed modifications. In response to staff's proposal, the utilities and developers proposed additional modifications to the S.I.R.

The draft order and revised S.I.R. before

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Public Service Commission - Monthly meeting - 4-19-18 you address both the original staff filing and the stakeholders proposals related to the S.I.R. On the storage issue, the revised S.I.R. now includes specific rules for interconnecting distributed generation projects paired with energy storage systems as well as standalone storage systems operating in parallel with the distribution system.

The developers have the flexibility under these rules to propose the configurations and operating modes that they determine are most economic. The only limitation imposed is an overall requirement that neither did the distributed generator nor the storage system may exceed five megawatts A.C. And the exported energy of a hybrid project may not exceed that cap.

On the project size issue, the order notes that the current S.I.R. already permits interconnections up to five megawatts. The staff filing did not identify any inadequacies in the interconnection rules as they exist today. With the change in Commission compensation policy, however, staff recommends adding rules allowing smaller projects in the queue to combine up to the five megawatt cap to reduce development cost. The draft order and revised S.I.R. would adopt this recommendation.

There are also several changes in the new

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Public Service Commission - Monthly meeting - 4-19-18 S.I.R. that are not direct -- directly related to the V.D. -- V.D.E.R. implementation order directives. These include modifications to the technical screening criteria which staff recommends as an improvement that will result in a more efficient preliminary technical evaluation process while ensuring the safety and reliability of the electric system. This has been a significant focus of the interconnection technical working group.

Other changes to the contracting and construction scheduling rules are designed to ensure a developer understands both a utility project cost and the utility schedule for its part of the construction work at the same time the developer signs the interconnection contract. The order also includes suggestions made by stakeholders in their comments on the staff filing. Among these, the revised S.I.R. adopts proposals to extend the time frame in which project developers are required to make progress payments to allow developers to manage delays in local permitting.

In addition, staff recommends adopting the stakeholders' proposal to require distributed resources to maintain commercial general liability insurance. As these systems become more dispersed across the distribution system and increase in size, there is a need to protect

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Public Service Commission - Monthly meeting - 4-19-18 ratepayers from potential third party risk which can be mitigated through insurance.

Lastly, the order directs staff to add consideration of electric vehicle batteries to future interconnection technical working group agendas. Staff and stakeholders should discuss and determine how electric vehicles and the associated electric vehicle supply equipment and mobile inverters should be covered in the S.I.R. This work, of course, will be closely coordinated with the electric vehicle supply equipment and infrastructure proceeding just instituted by the Commission. That concludes my presentation. Bridget and I are happy to answer any questions that you.

CHAIRMAN RHODES: Thank you, Tammy. I find this to be in the nature of a smart update. I think it strikes a good balance of flexibility, of transparency, of protection of safety and reliability to the system and of ratepayer protection. I'll go further to say that I think it's testimony to the effectiveness of the interconnection working groups, policy working group and the technical working group. And not just to the quality of the process but, importantly, to the seriousness of the consideration of the issues that flows from that good process. This is to me a well thought out, straightforward, good step

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Public Service Commission - Monthly meeting - 4-19-18 forward, and I'm going to be in favor of it. Commissioner Sayre.

COMMISSIONER SAYRE: This is one of several recent items that help keep REV moving forward. Our standardized interconnection requirements simply can't stand still. Some of the changes in this item are necessary because of our orders on the value of distributed energy resources. Some of them come out of the stakeholder process to improve the interconnection process. And still others are necessary to accommodate technological and market changes in areas like energy storage.

I have absolutely no doubt that we will need more changes to the S.I.R.s in the future as markets develop and technologies improve. Not every party agreed with every change in this item and that's okay. That's what we're here for. We're here to consider all of the positions and find the result that best balances the public interest. These S.I.R. changes required a great deal of hard work by staff and the interested stakeholders. I'm pleased to support them and I echo the Chair's commendation to staff and the members of the working groups.

CHAIRMAN RHODES: Thank you, Commissioner

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Sayre. Commissioner Burman?

COMMISSIONER BURMAN: I have a couple of things. First I want to thank you for your participation at VERC at the conference. You -- you did a very good job and I appreciate it. To the extent that this is talking about energy storage, is there any particular -- and we're making some changes -- is there any particular project or customer that we are identifying that's currently affected that will be -- have any changes, our large customer or any particular large project that we envision will be immediately affected or shortly affected by this? Or is this just in the future? I'm just curious?

MS. MITCHELL: Right. So there's no customer that's particularly identified as being affected, but it will impact the configurations and the requirements for all energy storage projects going forward.

COMMISSIONER BURMAN: Uh-huh. Okay. And then to the extent that the parties did mention a lot of different items that we saw as outside of this petition, I do think it is important that we recognize, again, going back to my theme on 301 is that looking at, you know, one thing does -- changes and one thing does affect the larger whole. And so in this, while we're looking at the S.I.R., there are many things here that will affect the larger

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Public Service Commission - Monthly meeting - 4-19-18 whole.

And there has been a number of tension points and there continue to be tension points. And that's why I think it's really important the collaborative nature and working through that. But also us really being able to identify the necessary changes that need to happen and in -- in looking ahead of the curve and not seeing things in that silo. And that really is kind of what I was -- and really been trying to get at from a regulatory perspective is the need to align a lot of these proceedings in a way that helps us to get to a more holistic approach.

You did talk about E.V.s. And, you know, I -- I am glad in some ways to see here that there's a recognition that there -- there is that petition. I am concerned that it seems to, again, be already making a determination ahead of it. And we have not ruled on anything. We have just instituted a proceeding. And while we do have some E.V. pilots out there, and while there was the 303 D.I.R., we do need to cognizant that theirs instituting a proceeding is not the same as saying yes we're doing X. And so to the extent that the Commission as a whole has not adopted any particular policy position, we need to be cognizant of that.

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Public Service Commission - Monthly meeting - 4-19-18 But I do just want to take the opportunity also since we talked about E.V.s because I -- I ended without saying it to Mary Ann, Chris and to Warren, the three of you did do an excellent job in your overall briefing to me and here. And I did want to thank you for that especially, Mary Ann in particular. Your consistent ability to give pure facts to me is very welcome, and I look forward to your new role. And just want you to know that my drilling is in no way meant to -- to do anything except to let you know exactly what I'm interested in and thank you very much for your consistent hard work. And the three of you working together was very much appreciated. And so thank you for that. So that's it. In case of any miscommunication. Sorry. CHAIRMAN RHODES: Thank you very much,

Commissioner Burman. Commissioner Alesi?

COMMISSIONER ALESI: Nothing to add. Thank you.

CHAIRMAN RHODES: Thank you very much. will now proceed to call for a vote on Item 302. My vote is in favor of the recommendation to approve the revisions to the S.I.R. including integrating out of these storage technologies, accommodating the expansion of the value of D.E.R. compensation for projects up to five megawatts,

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do you vote?

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Public Service Commission - Monthly meeting - 4-19-18 resolving technical issues relating to project screening and clarifying and enhancing the application process as described. Commissioner Sayre, how do you vote?

COMMISSIONER SAYRE: Aye.

CHAIRMAN RHODES: Commissioner Burman, how do you vote?

COMMISSIONER BURMAN: I concur.

CHAIRMAN RHODES: Commissioner Alesi, how

COMMISSIONER ALESI: Yes.

CHAIRMAN RHODES: The item is approved and the recommendation is adopted. We will now move to the consent agenda. Do any of my fellow commissioners wish to recuse from voting on or from commenting on any items on the consent agenda?

COMMISSIONER BURMAN: I do.

CHAIRMAN RHODES: Please, Commissioner Burman.

COMMISSIONER BURMAN: I just have to find my notes. Sorry. So I would just like to -- so I would just like to note for the record that I will be concurring on Items 369, 371, 374 and 376. And I would just like to note for the record that on 376 I am concerned with some of the inconsistency in our rationale and potential

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Public Service Commission - Monthly meeting - 4-19-18 concern with the onus being put on the developers and concern on that.

And then as to 374, I would just like to flag that for the utilities to the extent that I think it is important that they -- that they very much take note of the need to look at their dynamic load management programs and make some determinations on that. And I do think it is important to realize that depending on which utility you are, it is not a one size fits all. And that we do need to be very careful in how we look at the management of our programs and understand that depending on where the utility falls. And betting on the dynamics of the customers that it may -- may not be able to be standardized. And then we might need to examine that. And that sort of -- that 374 sort of spoke to me in that way. And I think that's a very, very important lesson to be learned from that. So thank you. That's it.

CHAIRMAN RHODES: So we will now move to a vote on the consent agenda with those comments and clarifications. My vote is in favor of the recommendations on the consent agenda. Commissioner Sayre, how do you vote?

COMMISSIONER SAYRE: Aye.

CHAIRMAN RHODES: Commissioner Burman, how

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Public Service Commission - Monthly meeting - 4-19-18 do you vote?

COMMISSIONER BURMAN: I vote in favor except for where I said would, yes.

CHAIRMAN RHODES: Those comments that you made. Thank you very much.

COMMISSIONER BURMAN: Thank you.

CHAIRMAN RHODES: Commissioner Alesi?

COMMISSIONER ALESI: Aye.

CHAIRMAN RHODES: The items are approved and the recommendations are adopted. Secretary Burgess, is there anything further to come before us today?

SECRETARY BURGESS: There's nothing -there's nothing further to vote on today. There is one
other matter.

CHAIRMAN RHODES: There are two other matters.

SECRETARY BURGESS: Two other matters for today.

CHAIRMAN RHODES: Thank you. So we -- the votes we've just taken we take with -- with great seriousness and consideration. And then we have other items that we simply do because it's the right thing to do and a pleasure to do so. So we have one colleague in the room who is retiring, and I'd like to read out a

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Public Service Commission - Monthly meeting - 4-19-18 resolution of the New York State Public Service Commission regarding a Mike Twergo. So you'll have to put up with us, sir.

Whereas, Michael Twergo has served the Department of Public Service, the Public Service

Commission and the citizens of the State of New York with great distinction since April 15 -- April 5, 1982.

And, whereas, Michael Twergo having first been appointed as a junior engineer served the department in a variety of roles including assistant utility engineer, senior valuation engineer, utility engineer three, utility supervisor and currently as chief of electric rates and tariffs.

And, whereas, Michael Twergo dedicated his career to ensuring just and reasonable rates for utility customers of New York State.

And, whereas, Michael Twergo brought his expertise and leadership to numerous rate proceedings including filings for all major New York utilities including New York State Electric and Gas Corporation, Rochester Gas and Electric Corporation, Central Hudson Gas and Electric Corporation, Consolidated Edison Company of New York, Inc., Orange and Rockland Utilities, Inc., the Long Island Power Authority, countless Niagara Mohawk

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Corporation firing -- filings as well as numerous small water companies and multiple municipal corporations.

And, whereas, Mr. Twergo has led -- has lead and supporting roles in a long list of projects and initiatives including rate case executive sponsor and the most recent, New York State Electric and Gas, Rochester Gas and Electric and Niagara Mohawk Power Corporation rate proceedings, expert witness in the Ginna reliability support services agreement. Expert witness in the eligibility criteria for energy service companies proceeding, lead staff involved in developing cost recovery for the Clean Energy Standard.

And, whereas, Michael Twergo shared his expert -- technical expertise and insightful analysis through his thorough presentations in an untold number of meetings, briefings and Commission sessions during his tenor-- tenure.

And, whereas, Michael Twergo worked with his colleagues tirelessly and has earned the admiration and respect, let me emphasize, of Department of Public Service staff and the Public Service Commission.

And, whereas, Michael Twergo will be greatly missed by those who have worked with him each day it is resolved that the New York State Public Service

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Commission expresses its deepest appreciation to Michael

Twergo for his leadership in the Department of Public

Service and his faithful service to the citizens of the

State of New York as demonstrated by his unwavering

commitment to the mission of the Commission to ensure

safe, secure and reliable access to electric, gas, steam,

telecommunications and water services for all of New

York's residential and business consumers. Are there any

remarks?

COMMISSIONER SAYRE: Well, yes. In -- in light of your thirty-six years of service, particularly concentrating on rates, I've been doing some ratemaking calculations. I -- I estimate that -- that you probably were involved on average in about five major rate cases a year over those thirty-six years. And you've probably saved the ratepayers on average about a hundred thousand dollars in rates in each of those cases by your careful analysis and -- and appropriate disallowances.

That comes to eighteen million dollars.

But the regulatory economist would -- would -- and -- and as well as the Office of Electric Gas and Water would -- would be quick to tell me that's nominal dollars. That's not -- that's not today's dollars. So I figured that on average you made these savings over a period of half of

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Public Service Commission - Monthly meeting - 4-19-18 your term of service, eighteen years up to the present and on into the future in perpetuity. And when I did those calculations, as well as I was able, I came up with a range in the billions of dollars.

You know it's a shame we can't pay you on commission. One percent of two billion dollars -- no, never mind. We can't do it and I'm sorry about that. So -- so I offer my best wishes and -- and my sorrow that we can't have paid you what you were actually worth to the state.

CHAIRMAN RHODES: Commissioner Burman?

COMMISSIONER BURMAN: Michael and I spoke privately so I won't be longwinded here. I'm really very sad that he's leaving. It is been a pleasure working with him and he has been a great, great asset to the department and to the state. And he can't be replaced. And we are really going to miss him on a personal level and professionally. And we need more of you. And we don't have you. And it's a problem. And I'm kind of angry, I got to tell you. And thank you very much. And enjoy. And, again, thank you very, very much for all that you've done and the way that you've done it. You've been a true gem so thank you.

CHAIRMAN RHODES: Indeed. We also have

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Public Service Commission - Monthly meeting - 4-19-18 another colleague who's reached a similar point in his professional life.

COMMISSIONER ALESI: Mr. Chairman? May I make --?

CHAIRMAN RHODES: Oh, yeah. Sorry. Thank you, yeah.

COMMISSIONER ALESI: Okay. I'm sorry to interrupt.

CHAIRMAN RHODES: No, please do.

in the corridor this morning I didn't know whether to congratulate you or wish you well. Wasn't sure that this proclamation or resolution, I should say, was a -- a surprise or not. But so I kept mum on it. As you know, generally, I don't speak a whole lot but in light of Commissioner Sayre's comments about billions of dollars, I'm not sure any of us will get a chance to collect, but it's quite an incentive for me to live a little longer. Maybe we'll get it, who knows.

All kidding aside, I can't give you any advice on retirement. I've done it three times already myself, so. But I do wish you well and thank you for your service to the state, to the Commission, to the department.

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CHAIRMAN RHODES: Thank you. Thank you,

Commissioner Alesi. And as I mentioned, we do have

another colleague. And, again, we have a resolution of

the New York State Public Service Commission. This time

for William Bill Saxonis. Where -- and he's not here so

we can really be unconstrained.

Whereas, William Saxonis has served the Department of Public Service, the Public Service

Commission and the citizens of the State of New York with great distinction since September 21, 1995.

And, whereas, Mr. Saxonis having first served in the state energy office for fifteen years before coming to the department was first appointment as an energy efficiency analyst then served the department in a variety of roles including energy efficiency analyst four, and utility supervisor.

And, whereas, Mr. Saxonis dedicated his career to energy efficiency in order to benefit all customers of New York State.

And, whereas, Mr. Saxonis brought his expertise and leadership to numerous proceedings including those related to the systems benefits charges including oversight of NYSERDA's S.B.C. funding and evaluation matters, rate cases, demand response policies and programs

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Public Service Commission - Monthly meeting - 4-19-18 in energy efficiency and generally to advance the clean energy policies for the benefit of all New Yorkers.

And, whereas, Mr. Saxonis worked for the department and was professional, well developed and of high quality and reflected strong written communication skills and attention to detail.

And, whereas, Mr. Saxonis worked with his colleagues tirelessly and has earned the admiration and respect of Department of Public Service staff and of the Public Service Commission.

And, whereas, Mr. Saxonis who is a renowned expert and lecturer on Duke Ellington will now be able to spend more time listening and lecturing about the great music of Duke Ellington.

It is resolved that the New York State
Public Service Commission expresses its deepest
appreciation to William Saxonis for his leadership in the
Department of Public Service and his faithful service to
the citizens of the State of New York as demonstrated by
his unwavering commitment to the mission of the Commission
to ensure safe, secure and reliable access to electric,
gas, steam, telecommunications and water services for all
of New York's residential and business customers. In
absentia, Bill.

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And I have one more item. Again, a serious one. April is Safe Digging Month. And it is essential to be mindful at all times of the importance of good practices, good safe practices especially for excavators and contractors, when they dig in the state to make sure they do the right thing which means to call one of the state's toll free one call centers but start -- before starting any excavation or digging project.

And since it's important to be mindful of it all year long, it's especially important when we have a dig safely month to take extra care, to pay attention to it and spread the word. This is a matter of life and death. And we don't need any of -- any of the latter. So please do your best to spread the word and remind everybody it's very important. Thank you.

With that I adjourn this session. Thank you very much.

(Off the record 11:40 a.m.)

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STATE OF NEW YORK

I, HANNAH ALLEN, do hereby certify that the foregoing was reported by me, in the cause, at the time and place, as stated in the caption hereto, at Page 1 hereof; that the foregoing typewritten transcription consisting of pages 1 through 45, is a true record of all proceedings had at the hearing.

IN WITNESS WHEREOF, I have hereunto subscribed my name, this the 26th day of April, 2018.

HANNAH ALLEN, Reporter

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45 46:7
               5
5 38:8
```