

# Citizens Advisory Panel Meeting Minutes

January 15, 2020

Mayor Theresa Knickerbocker opened the meeting and stated there was news about a website specifically for this decommissioning process -Indianpointcap.com which can also be accessed on the Village of Buchanan home page. Also there will be the availability to put email addresses in so we can give updates on future meetings, any correspondence and new information.

Mayor Knickerbocker noted that this evening is the beginning of a long process for us with the closure of Indian Point. A guest tonight is Joe Delmar from Holtec who will be going over the PSDAR (Post Shutdown Decommissioning Activities Report). She asked that we all remain civil to one another during the meeting and let's get through this difficult process.

Supervisor Linda Puglisi, the Vice-Chairperson was introduced. The Supervisor thanked Mayor Knickerbocker and said she appreciated her partnership along with Superintendent (HHSD) Joseph Hochreiter. She thanked the members of the board and panel, the members of the community and all participants. She stated that it has been a journey since January 9, 2017 when we first heard the announcement by the Governor and the CEO of Entergy that the nuclear plants would be closing April 2020 and April 2021. We are in this together and we have one goal and that is to make sure that everything is done safely, we protect the environment and try to chip away at the loss of revenues, jobs are critical for all of us, the reclamation of the land and the storage of the radio-active fuel rods at the site. We have been doing a lot of work - we have had a local Task Force that has met regularly and we are members of the New York State Task Force as well. We've been to Albany and Vermont; we've spoken to Editorial Boards, and are trying to disseminate information to the best of our ability and will continue to do so. Deputy Supervisor, Councilman Richard Becker is also a member of all the boards and we report back to our Cortlandt Town Board. Mr. George Oros is the town's new Economic Development Advisory and we are working as hard as we can to chip away at the loss of revenue.

## The Panel members introduced themselves:

Joseph Hochreiter, Superintendent of Hendrick Hudson School District

Richard Funchion, Deputy Mayor of Buchanan

Richard Becker, Councilman Town of Cortlandt

Peter Harckham, NY State Senate, 48th District

John O'Mara, Department of Environmental Conservation (Engineer 30 years)

Peter Loughran, Westchester County Coordinator

Nick Longo, Rockland County Emergency Services

George Oros, Economic Development Consultant - Town of Cortlandt

Eileen Absenger, Buchanan Resident

Colin Smith, Westchester County Legislator, District 1

Manna Jo Green, Environmental Director Hudson River Sloop Clearwater

Catherine Borgia, Westchester County Legislator, District 9

Ray Reber, Hudson Valley Gateway Chamber of Commerce (attending for Deb Milone)  
Don Dwyer, Montrose Resident  
Sandy Galef, New York State Assemblywoman  
Dennis Malles, President of Montrose Business Association representing all the local businesses  
Tony Vitale, Site VP, Indian Point Energy Center  
Mike Twomey, Senior VP, Entergy  
Joe Delmar, Senior Dir. Government Affairs and Communications, Holtec International

In the audience:

Village of Board Trustees - Nick Zachary, Cheech Pasqualie, Dwayne Jackson

The June 13, 2019 minutes were approved.

Entergy Update:

Tony Vitale noted that back in January 2017 on the same day that the shut-down of Indian Point Energy Center was announced, Entergy Corporation committed that any qualified employee willing to relocate will be able to have a job with Entergy. We committed that in the gap year which is the year between Unit 2 ceasing operation and waiting for Unit 3 to finish its operation the following year that there would be no reductions in head count. I am here to tell you that we have been working very hard as a corporation to keep that promise. It started back in June with a job fair where representatives from all areas of our corporation visited Indian Point and employees interested in transferring brought their families to the site and had the opportunity to ask questions and see what different locations and different jobs opportunities were like. We also continued to have the opportunity to send our employees and families to check out other work locations within the corporation. Mr. Vitale stated that I am here to tell you this evening that approximately 100 employees will be leaving Indian Point once Unit 2 shuts down toward the end of May. About a 50-50 split to those that will be leaving the company all together and about 50% will be relocating elsewhere within the Entergy Corporation, mostly to other nuclear facilities in our fleet but also some are relocating outside of nuclear.

New York State Department of Labor has been very active and supportive of Indian Point employees. They have been on site numerous occasions and they are helping our employees that wish to remain in New York with job opportunities, resume writing, networking, interviewing techniques, etc. Over 60 employees have signed up and are regularly receiving coaching, counseling and networking opportunities to further their employment in the State of New York.

Mr. Vitale noted that his role is the safe operation of the Indian Point Energy Center and protecting the health and safety of the public. We are always, as workers and nuclear professionals focused on our day-to-day roles and responsibilities.

Senator Harckham Update:

Senator Harckham thanked Mayor Knickerbocker and Supervisor Puglisi for their leadership through these very challenging times and thanked the Entergy team for trying to place these workers elsewhere in the corporation.

Senator Harckham stated that Assemblywoman Galef and I have a Bill that was passed by both the Assembly and Senate aimed at giving some protection to the workers at the plant. We did it in conjunction with the Unions representing the workforce that were direct employees and sub-contract employees. The legislation said two things: when Holtec came on they would be required to hire from the existing labor pool before they went outside unless there were special skill sets needed and it would be a prevailing wage site - so that anyone that worked there would essentially be paid what they'd been paid or in proximity. This legislation is on the Governor's desk. He responded with chapter amendments which are essentially technical revisions which were unsatisfactory to both Sandy and me and the unions so our counsels are working on alternative language to get back to the Governor's office.

Joe Delmar, Holtec International Presentation:

Mr. Delmar thanked Mayor Knickerbocker, Supervisor Puglisi and the Panel for the opportunity to come and speak. He explained his role at Holtec: He joined Holtec in summer of 2019. Prior to joining Holtec he worked for PSEG - the largest utility company in New Jersey and spent 12 years there leading the company's communications and government affairs outreach program for the Salem and Hope Creek Nuclear plants. He stated that in that role he worked with local communities, elected officials and sat on a lot of local community boards from the Chamber of Commerce and other organizations and played a very active role. He noted that nuclear power runs through his blood - my father is a union pipefitter, and he helped build several nuclear power plants and worked countless refueling outages. Mr. Delmar noted that his last major project, before leaving PSEG, was trying to keep Salem and Hope Creek open. Just like Indian Point they are facing financial challenges with the pressure from natural gas. Mr. Delmar worked closely with the local community to put pressure on the legislature but also the Governor to get a zero emission credit approved. They were fortunate enough to do this but it was a very challenging experience. He stated that the concern and anxiety that existed is what you are going through today so I can relate to that. It is unfortunate that the plants will be closing but you do have Holtec's commitment that they will be a good neighbor throughout the decommissioning process. You also have my personal commitment throughout this entire process.

Mr. Delmar reviewed his presentation and stated:

Holtec is committed to the nuclear industry. When a lot of companies are exiting the nuclear industry we are actually expanding our outreach in the nuclear industry. A lot of research and development that is self-funded we will talk about. Building manufacturing facilities in the United States - a state of the art manufacturing facility in Camden, NJ. We are the largest U.S. exporter for capital equipment serving the nuclear power industry. Looking at our financial strength in addition to our safety and quality assurance and protection of the environment, the company is over 30 years old. We have no history of long-term debt. We deliver over \$4 billion in products and looking to the future we have contracts in place to provide another \$5 billion in products to the nuclear power industry. Our core business activities, the major aspects of our business revolve around the cycle of life of supporting the nuclear industry from operating plants to decommissioning, developing new nuclear technology as well as energy battery storage.

Our core business is nuclear fuel storage. Dr. Sing, our founder, developed technology that allowed expansion of space to store spent fuel within the spent fuel pools and a step further, developing technology for the dry cask storage as well as some of the materials we use to construct those types of canisters.

The Federal Department of Energy has a commitment to take this spent nuclear fuel from Indian Point and other operating nuclear power reactors throughout the United States as well as plants that have closed and spent fuel remains there. One of the things that we are in the process of doing is licensing and developing a consolidated, interim storage facility called Hi-Stor, located in the New Mexico desert. That will allow us to store the spent nuclear fuel from IP and other nuclear plants in one central location. We are going through the licensing process with the NRC and by the end of March should receive the draft environmental impact statement from the NRC on that. There will then be public meetings in New Mexico.

Holtec is also in the process of developing a small modular nuclear reactor, only about 160 megawatts and this is self financed through our research and development. We began development of this process about 10 years ago. The market is primarily overseas and we do have an agreement in place to provide the first six SMR's to the Ukraine, which is about 6-7 years away. We are licensing this in Canada.

The newest piece of our business model is battery energy storage. The challenges of renewables is that you can't store wind energy, can't store solar energy - battery energy storage is a company called EOS also based in New Jersey that we are partnering with to expand that effort and also are ramping up manufacturing facilities outside of Pittsburgh.

Holtec's world-wide dry storage technology - we supply dry cask storage technology around the world. 118 nuclear power plants there are 440 around the world so more than 25% use Holtec's dry cask storage technology. This speaks to the wide technology that we have been able to develop. There are 13 different countries that have nuclear power plants but also we are regulated by 13 different countries. There is not another company out there that is as heavily regulated as Holtec.

Holtec is not the current owner - Entergy remains the owner. April 2019 we announced an agreement where Entergy would sell the subsidiaries that own all 3 units to Holtec for decommissioning. This part of the transaction would include the transfer of the NRC licenses, the spent fuel, as well as the decommissioning liabilities and nuclear decommissioning trust funds. The proposed sale would not become effective until Unit 3 has shut down in the 2nd quarter of 2021 and the plant has been permanently defueled with the fuel moved into the spent fuel pool. On November 22, 2019 along with Entergy we did file a license transfer application to transfer the license from Entergy to Holtec. Based on the project plan we did receive notification from the NRC that they did accept their acceptance review and will begin to formally review the application and we expect to receive NRC approval on the license transfer, early next year.

In addition to NRC regulatory approval we will also be reaching out to the Public Service Commission because the IP units will no longer be operating and generating electricity Entergy and Holtec believe that the IP plants are no longer subject to PSC jurisdiction and that would be consistent with precedent that have been sent previously. If they determine that they need to review it we are going to ask them to approve the transaction in the public interest. We will also be working closely with the State Department of

Environmental Conservation in terms of environment impacts in addition to any federal regulatory requirements.

Holtec International is our parent company - this is a wholly owned subsidiary to focus on the safe decommissioning of shutdown nuclear power plants. HDI uses a fleet approach to decommissioning. It is similar to the fleet process that Entergy uses. By using a fleet model we are able to share procedures and processes and look for opportunities to improve safety and productivity, as well. HDI will be the holder of the NRC license and will also be the holder of liability associated with decommissioning. HDI will be managing and controlling the nuclear decommissioning trust funds for all 3 units. The other organization is Comprehensive Decommissioning International and they will be the boots on the ground doing the decommissioning work reporting to HDI. This is a joint venture with SNC-Lavalin. Between the two companies we have 60 years experience with spent fuel management, decommissioning and site remediation and restoration. The decommissioning experience includes direct experience at plants like Big Rock Point, MI, Zion in Illinois as well as the fleet used in the United Kingdom and Canada.

Our decommissioning approach under our model, work activities are going to begin as soon as possible. If Entergy were to pursue decommissioning and choose a safe-store option under the NRC regulations it could wait a maximum of 60 years to complete decommissioning and the plant would sit idle, jobs would be lost and there would be very little activity after shut-down. Our project goal is to complete partial site release within 15 years but it could be as early as 12 years which is what the current schedule and cost estimate are based on. Holtec's approach to decommissioning runs parallel to what the community is looking to do. We are going to maintain and create jobs now, versus later and will also be able to repurpose and bring additional tax revenue decades sooner. Holtec filed the PSDAR December 2019. We will also be submitting to the NRC a request for an exemption to use the nuclear decommissioning trust fund for spent fuel management and site restoration activity. This is allowed under the NRC regulations and has been done at other sites. The PSDAR is a living document that outlines the current plan and decommissioning activities. As we go through the process and things change, the PSDAR will be updated.

Here is a review of the 4 sections of the PSDAR:

The plant decommissioning activities go through several different phases. Pre-decommissioning, planning and preparation - will take place in preparation regardless of who the owner is. This includes developing the schedule for shutdown as well as schedule for spent fuel management and includes any licensing and permitting actions that may be needed to move the plant from an operating state to a decommissioning state. Another important component is Stakeholder outreach. Plant deactivation is the next phase and activity associated with termination of operation includes isolating power and other systems that are no longer needed for decommissioning the plant. Safe-storage operations - the fuel movement from the spent fuel pools to the existing on-site dry casks storage facility. Holtec has supported spent fuel management at IP for nearly 3 decades from the spent fuel pool to the dry cask storage. If for some reason the transaction were not allowed to close, we would still remain a partner with Entergy to provide spent fuel management. The next phase is where you will see a lot of activity where you will see dismantling, demolition and removal of building materials and structures from the plant

site as we begin to clear the area off. We can't do a full site release to the spent fuel storage area. That needs to remain intact until the Department of Energy takes it. The ongoing isfsi (independent spent fuel storage installation) will remain under high security by highly trained security professionals and the fuel will remain onsite until the DOE takes ownership or is moved to an interim storage facility located elsewhere.

The chart shows the major milestones that will take place throughout the decommissioning process and this will lead us to the partial site release within the 15 years. Holtec has the ability and the option that the isfsi and the target end date of 2062 in the schedule moves up to the left considerably with the ability to license and have **Hi-Stor** up and operational in New Mexico.

The Decommissioning Cost Estimate - these are the major aspects that make up the cost from license termination, spent fuel management and site restoration activities. The total estimate throughout the decommissioning process the cost is estimated at \$2.3 billion. The value of the decommissioning trust funds for all 3 Units as of October 31, 2019 is \$2.1 billion. I want to assure everyone that over the period of time of decommissioning there will be growth of the decommissioning trust fund. The money is invested and we are allowed under the NRC guidelines to assume a very conservative 2% real rate of return. That rate takes into account inflation and other increased costs along the way. We are confident that the fund will continue to grow. The trust funds are heavily scrutinized by the NRC. HDI will be the one managing the decommissioning trust funds. We are required to submit an annual report to the NRC outlining the cost we are incurring and taking from the trust funds throughout the process. If the NRC believes at any point there is not sufficient funding available they could take appropriate action and that could include telling us to stop decommissioning activities that would allow the fund to continue to grow or they could require Holtec to put additional funding into the trust fund. This will not fall on the public ratepayers.

Regarding environmental impacts there are several regulatory sets of guidelines from the NRC that we must follow that evaluate the potential impacted areas. This is not my expertise but at future meetings can bring some of our subject matter experts to talk in more detail about this topic.

Holtec will maintain and create jobs beginning with the decommissioning ASAP. We have agreed - any employees from Entergy working at IP at the time of the transaction - they will move over to join the decommissioning team (approx. 300 people). We will honor the existing collective bargaining agreements with the union and will also be using local people from the local labor halls. We have a national labor agreement in place for the specialty trades. As far as tax revenue we will honor the existing PILOT agreements that Entergy has in place and are committed to working with the local community leadership. We have touched on what we can do to repurpose that existing site to get tax revenue in there ASAP to lessen the impact on the local community.

The decommissioning process whether Entergy or Holtec were to do decommissioning I mentioned that 12-15 year timeframe, it would remain the same regardless of who that company or organization is. Under Holtec, one of the main differences with our plan to what Entergy may have proposed is that we would begin the decommissioning process decades sooner. We will do within the 12-15 year time.

Mr. Delmar thanked the Mayor, Supervisor and the Panel again for allowing him the opportunity to speak.

Mayor Knickerbocker noted that looking through the report the issue of the trust fund and we see there is a shortage, she was glad that was explained and that the NRC can stop the project if they feel there is not enough money to continue or Holtec has to put in additional funds. That is a concern for all of us. Another big concern in the community is releasing some of the property. We understand the property that has to be decommissioned and will not be a part of that. DL English had done a study of the different parts of the site - we all understand that the Village and the Town are quite interested in having some of that property released so we can help our tax base.

Questions from the Board:

Senator Harckham: Thank you for the presentation. I look forward to working with you. I know that my office and your office have been working to set up a time. We've been talking about the subject of jobs and trying to retain as many of the local folks and then when it came to security officers you said they would be similar to what there is now, you didn't say the same security officers. That jumped out at me and what you said earlier about preserving jobs and local jobs.

Joe Delmar: I would like to clarify; it would be the same security officers that are working there today. They would oversee the isfsi, and the spent fuel storage operations.

Supervisor Puglisi: Thank you for the in-depth presentation, we appreciate it. The 300 jobs, approximately  $\frac{1}{3}$  will be continuing with you?

Joe Delmar: We will inherit those 300 employees and as the decommissioning process goes up and down at different phases that number will change regarding Holtec related employment through CDI or trade unions, depending what the needs are. It will fluctuate.

Supervisor Puglisi: I am just trying to know will they remain as permanent employees and transfer from Entergy to Holtec or will they be part-timers.

Joe Delmar: They will be full-time employees.

Supervisor Puglisi: You will continue to use local contractors when needed?

Joe Delmar: Yes, we are committed to working with the local community; utilizing local resources.

Supervisor Puglisi: Will you dismantle one plant at a time, transfer the rods and how long does that transfer of those rods take?

Joe Delmar: The transfer of the fuel from the spent fuel pools into the dry cask storage that will be done prior to the sale acquisition by Holtec. That will be completed over a several week period once the plant shutdown. Entergy will be the lead for this and we will be supporting them.

Mike Twomey: I would like to clarify one thing - Joe talked about the idea that there would be about roughly 300 employees at Indian Point at the time that the transaction is projected to close, which would be 2nd or 3rd quarter of 2021. Today we have a little less than 900 employees at the site. I want to make sure everybody understands the process - as we shut the units down and defuel the reactors Entergy is reducing the employees at the site from around 900 to around 300. That happens no matter if there is a transaction or if there is not. By Spring 2021 there will only be about 300 employees who work for Entergy at IP. If the transaction goes through every one of those 300 employees will move over and become Holtec employees. The draw down from 900 - 300 would happen under our watch.

Supervisor Puglisi: You mentioned the reuse of the property - the corner area that DL English defined in their report as about 60 acres out of the 240 acres - last time I asked Holtec they said they would review and consider if those areas won't be needed for the storage and the decommissioning. We are very interested in that answer.

What is the NRC's role in monitoring the decommissioning? They have people there on the ground to inspect and monitor the decommissioning - is that correct.

Joe Delmar: The NRC will have people on the plant site. Once the fuel is moved from the spent fuel pool into the dry cask storage area that removes over 95% of the radioactive material from the plant itself. It turns into an industrial demolition project.

Supervisor Puglisi: We would love to see a security plan. Also the environment is also very important to us all. There are 33 wells on the 240 acres, we would love to see an environmental plan on the protection of those wells and of course it abuts the Hudson River.

Joe Delmar: I want to clarify on the security aspect, it is a very top level of secret information and we will tell you as much as we can under the NRC guidelines.

Trustee Richard Funcion: Is there any thought at all to have the local community involved in the overseeing of the actual closure, where we can have our own engineer and accountants to look at what is going on? Is this being considered at all?

Joe Delmar: That is nothing that we have considered. I know the NRC goes through an extensive review process. We are also having discussions with the PSC looking at some of those aspects.

Richard Funcion: In 2008 the remaining 160 spent fuel assemblies from IP 1 were shipped to West Valley reprocessing plant in upstate NY. There is a lot of concern in the

community if the spent nuclear fuel is taken off the property how is it going to be transported to other areas. I would like to know how these are being transported.

Mike Twomey: I don't have the details on that. We can follow up and find out.

Richard Funchion: Would Holtec be entertaining having them transported by barge or rail or has that not been decided yet.

Joe Delmar: The decision on how spent fuel would be moved off-site is yet to be determined. It would depend on where the final location is, interim or final storage. We would work with the DOE and the local community on what is the safest and most efficient way to get the fuel off-site: by truck, by barge or a rail system that could take it to the location. This is well into the future.

Councilman Richard Becker: I thought Federal Law prohibited trains, etc. from removing the fuel.

Joe Delmar: At this time we cannot remove the fuel off-site so if it were to be moved in the future when a repository is built the regulations would need to be looked at. I am not sure what the actual regulation is today but if it needs to be changed to allow that to happen that would need to occur.

Mayor Knickerbocker: I know that there is a 2002 report from the DOE that cost over a billion dollars to do this. It dealt with all the nuclear power plants in the country on how that fuel would be moved eventually. You can access this. I had mentioned a few years ago that I was at a meeting and one of the thoughts was that one of the heavy components would leave on a barge and go down the Hudson River. Until we get a final repository that is in the future. That will be a huge topic of conversation when that time comes.

Joe Delmar: When that time comes we will keep the local community informed.

George Oros: You showed that the Decommissioning Trust Fund was at \$2.18 billion as of October 31, 2019; doesn't Entergy have an obligation to continue to fund that up until the closing?

Mike Twomey: We are holding the Trust Fund.

George Oros: There are no deposits every year?

Mike Twomey: No, it is growing through fund investment performance. We will update the trust fund amount in March 2020. We typically provide the updates quarterly. The amount has grown since 10/31/19.

George Oros: It would be better if the amount matched \$2.38 Billion matched.

Joe Delmar: I totally agree with you.

Mayor Knickerbocker: Is there anyway we can get that information after it is available to the public.

Mike Twomey: We make that information public on a quarterly basis. We can provide that to this Panel and to the public.

John O'Mara: Probably a naive question, I am an engineer not an accountant - you put up there \$2.1 billion in the trust fund. Over 50% of that was under a title, License Termination. I am curious what that includes - it probably operated the plant during that time frame? The headline on that is going to scare some people.

Joe Delmar: The license termination includes the activities related to demolition and things like that.

Mike Twomey: None of that money includes operating the plant. The NRC refers to it as license termination meaning you are terminating the license with the NRC under which the plant operated. You do that by decommissioning and demolition and getting to a stage that is no longer considered an operating plant.

Eileen Absenger: I have a question about the air quality when you start to dismantle this we have an elementary school close by. What will the air quality be when you start to dismantle this- I know it says it is a low risk radiation; I've read the report and it looks really great, but I don't trust the government or the NRC and I may not trust you either. You will have to win the trust of many Buchanan residents. For the children and the elderly that have any respiratory issues and that powder is coming off will the water spraying contain that dust? I have a question about your discreet risk - have you ever had any snafus or weaknesses that you ran across or any risks that came about that weren't a bigger concern to you as the decommissioning company that you can talk about.

Joe Delmar: This is not my level of expertise but we can have someone provide more information on the air quality. In terms of the decommissioning we are currently doing work at the Oyster Creek, NJ and in MA. In the past 8-12 months we've begun decommissioning operations and we've had no major concerns or issues pop up that we haven't anticipated.

Supervisor Puglisi: Will the air quality issue be part of the GEIS?

Joe Delmar: We are not doing an environmental impact statement for this but air quality is part of what is examined in the PSDAR.

Mike Twomey: Regarding the question of the 160 fuel assemblies, asked earlier, those were from Unit 1 plant which has been shut since the mid 70's, all of that fuel is actually on site at IP in casks. That fuel was not sent to Upstate NY. There was other fuel in the 60's and 70's and that was before Entergy's ownership; perhaps, ConEd or NYPA can answer this.

Eileen Absenger: Are you a 24/7 operation?

JD: Yes, we are.

Legislator Colin Smith: Thank you for coming here this evening and giving us this update. With respect to the trust fund you said you are anticipating the money would be there but you mentioned that in the event you should fall short that Holtec would basically put in the rest or the NRC could stop operations. Under what conditions would that occur?

Joe Delmar: Based on the funding level and the decommissioning trust fund and the draw down for the reimbursement of cost - if they determine that it reaches a level that they don't believe it can continue to grow conserve, they could make that decision at that time to stop and allow the fund to grow or require us to put additional funding in.

Colin Smith: In the event that you run into issues with removing the spent fuel from the site with the respect to getting the changes in regulations that are required, is that going to impact how you are going to proceed at this point with respect to the plan for housing.

Joe Delmar: The current schedule that we have developed is based on the fuel being removed off site by 2062, which is what the plan is. There is talk a federal repository again Yucca Mountain has not happened but there is talk about another location. Also, the interim solution that we're exploring is another option as well. We believe it is a feasible option and it is something that we on behalf of the nuclear industry have strong support. It would be valuable for the community where our dry cask storage and the communities by Oyster Creek are pushing back on the federal government to get them to move forward and make a decision. The agreement was never to leave the spent fuel here. The DOE has not honored that commitment. Hopefully working together we can get a solution made available.

Colin Smith: You had mentioned with regard to the economic issues surrounding the shut down, you talked about the PILOT agreements that you were going to honor so far as is in place. I think you mentioned there would be other measures you would be willing to take to offset some of the loss to the local community, particularly the Village of Buchanan, the Town of Cortlandt and the HHSD. Is that a conversation that you have had, is that part of the plan, are there any specific measures that you anticipate taking in that regard.

Joe Delmar: I want to clarify, I did say that we would honor the existing PILOT agreement in terms of moving forward, beyond that we are not the owner yet again that is one of the topics with future land-use - we welcome to have the opportunity to have discussions in the future.

Manna Jo Greene, Environmental Director, Hudson River Sloop Clearwater: I want to clarify that Entergy did not put money into the Decommissioning Fund that was received

when Entergy took over the facility from ConEd and NYPA. It has grown through investments over time. I want to thank Holtec for giving us some really substantial material to review. It makes it real as we are approaching closure and decommissioning and lets people know you did not have to provide this until 2 years after closure. There were a few things in the PSDAR that I would consider serious omissions and things that might need to be added. There was no mention of the Algonquin pipeline that is running under the plant. It is really important especially since the State has said that the pipeline might need to be closed during decommissioning if there is heavy equipment. We are very concerned about the handling of high burnout fuel versus the fuel that was used earlier and I think that should be addressed. You spoke about security planning but not emergency planning. My concern is at Oyster Creek, they have no support whatsoever for their emergency planning now that Holtec is in the process of decommissioning but decommissioning is still a dangerous phase and there will be radioactive fuel stored onsite. Emergency response, especially for this community needs to be addressed. What canisters that hold the fuel assemblies and casks will be used. We know what is in use already. I raise that question because there is a debate in the industry about thin-walled versus thick walled, whether the canisters have been inspected. There was an incident at Santa Onofre reported recently at a decommissioning forum by Rear Admiral Herring who talked about how the canister got scratched and gouged when it was being put into the casks, and that can shorten the life of a canister holding very highly reactive fuel. It would be valuable to be specific about what is planned, not that it can't change. I know that many of the people I speak for are hoping that the canisters will be the more robust canisters that are in use in Europe. Are the canisters able to be used for transport or are they just for storage and then how do we get from down the road, when and if there is a facility to move the spent fuel to. Would there need to be an over packed?

Joe Delmar: I am not familiar with the level of detail in the questions you are asking on the dry cask storage containers that you are asking. We can come back and bring some of our engineering experts that are involved with the design and address a lot of those questions for you.

Manna Jo Greene: Given that there could be an accident with spent fuel I think it is wise to leave whichever remaining fuel pool is most structurally sound intact in case it were needed in case of an emergency. I have other issues to raise but I will submit our other comments in writing.

Mayor Knickerbocker: I think the emergency planning also is a discussion that we have been having so it will be a topic of conversation also with the local fire department and emergency planning people.

County Legislator Catherin Borgia: It feels to me like there is still a lot of looseness in the details of some of the planning, especially some of the contingency planning. I think for the community we'd feel more comfortable knowing that some of the potential contingencies that seem obvious are at least possible that there was some level of detailed planning. For example, what will happen if you are not able to transport to another facility and these are going to stay in dry cask storage for a very extended period of time,

more than the 40 years you are anticipating. We have been following Yucca Mountain since the 90's and there doesn't seem to have been any movement on a federal repository. I understand from a business point of view why you would like that but I definitely see there being some obstacles to that and this fuel being in our community for hundreds of years. I think we would like to see a little bit more of the things that could potentially happen because we have seen it happen in other communities - what are the plans if that were to happen.

Joe Delmar: I am not avoiding questions. This was designed to be an overview.

County Executive George Latimer: We are going to work between the Legislature and our executive team and extend an offer for you to come to White Plains and address the full Legislature and our team so we can ask questions and have other members and colleagues as well. We will work it out with your schedule. There will be a lot of questions asked by people that do not live in the immediate area. Particularly if there will be any kind of traffic that will go down the river, other legislatures will want to know about that.

Supervisor Puglisi: County Executive, Buchanan hosted a Westchester Municipal Association dinner meeting and all the communities from the County attended. There was a lot of interest and questions about the closure of IP so your meeting would be very beneficial.

Assembly member Sandy Galef: I want to go back to the \$2.1 billion in the account; how much will cost to get all of our spent fuel rods out of the pool and into the dry cask - how much of that money is going to be used for that purpose.

Joe Delmar: I don't have that exact dollar figure but I can get you the cost estimate.

Sandy Galef: You are asking the trust fund to put some of its money into dry cask, which I didn't know if the NRC has to give you permission to do that?

Joe Delmar: We have to get approval from the NRC. It is allowed under the regulations and it's been allowed at other decommissioning sites.

Sandy Galef: If you do not have enough money - I am very concerned about the whole site that we get it all cleaned up and you don't spend it all on spent fuel rod storage.

Joe Delmar: I understand that concern and that is something that the NRC heavily scrutinizes in the trust fund to make sure there is enough funding available. Holtec would be liable to make sure that we would be required to put additional funding into the trust fund if needed to cover any decommissioning costs that would remain.

Sandy Galef: So they wouldn't do that until the end of the process. They would do that throughout the process. We have to submit an annual report that is reviewed by the NRC. Any time when we are submitting an annual report they could recognize that there

is not enough funding available based on your cost estimate to complete the decommissioning work safely. They could order you to stop the decommissioning work so the fund could grow or they could require us to add additional funding.

Sandy Galef: Where do you get that additional funding?

Joe Delmar: That would come through our parent company, Holtec International.

Sandy Galef: My understanding was you had to leave the spent fuel rods in the pools for about 5-7 years? When I start to see these plans it seems to be moving faster.

Mike Twomey: We recently went through a transfer of spent fuel to dry cask at Vermont/Yankee. We were able to do that with Holtec in 3 ½ years. You are recollecting previous discussions that the company has had but technological improvements have made it possible to move spent nuclear fuel faster. They are in the process of doing this at Pilgrim and we expect to do it at IP as well.

Sandy Galef: I would like to add a little bit on it on the trust factor - you could say at the last minute it can wait 60 years and walk away from us. Will we have to put in the money to complete decommissioning? I don't know about job security - I don't know that in 2 years will the security officers not be there. I don't really have trust in that. The Algonquin pipeline is a big issue and needs to be dealt with. From my perspective you will need to convince this community that you are a good company and we should welcome you in. There have been a lot of negatives about Holtec. You have to turn this around.

Don Dwyer: You said you will honor the PILOT agreement that is in place - until when?

Joe Delmar: I believe the current PILOT extends to 2024.

Don Dwyer: The life span of the radioactive material inside the casks is quite enormous - what is the lifespan of the casks? And is there a plan to replace them - is there some sort of time-table? This is a concern of the community. The technology improvements that have greatly shrunk in the time-frame that have gone from the wet to dry cask, sounds great but it makes me extremely nervous because radio-active material is deadly and we all have to live here next to 138 casks full of radiation, we want to make sure it is as safe as possible.

Joe Delmar: We can speak about that in the future. Spent nuclear fuel is a major concern not just in this community but also in others, I have stood next to those containers and feel safe. I have not gotten any additional radiation - that is how robust those containers are. We can have experts come in and talk in more detail.

Catherine Borgia: We are asking what is the degradation factor that is built into a mechanical operation.

Joe Delmar: We can talk about that in the future.

Mayor Knickerbocker: This will be a huge topic for us when we get into the canisters and we will get into all those details. We will be planning out the meetings for the rest of the year.

Comment period:

Nick Zachary: On page 93 of the PSDAR, it does say specifically that inflation is not taken into account, if we are assuming 2% growth how we can not be assuming something for inflation.

Joe Delmar: It does assume a 2% rate of return very conservatively.

Nick Zachary: But inflation of costs, labor costs, as well as unforeseen things at the plant that could increase. I have been in construction for quite a long time and I know almost any major job that starts anticipates 10-20% override.

Mike Twomey: The NRC rules talk about a 2% real rate of return which means 2% above inflation.

Nick Zachary: I am concerned with everything else (besides the dry cask) that is getting transported. In the report, when you refer to transportation, it mentions types A, B, C and greater than C, and I'm sure that greater than C does not include the dry casks. I would like clarification on what those different grades of waste are. A lot of those low-level waste materials, and there will be a lot of material coming out of there, - I am concerned with the truck traffic. I would like to know what route that will take, what kind of vehicles, how much will be carrying the waste and also examples of what types of waste there will be. Also, will it impact the conditions of the road at all?

Herschel Spector: I think you made a very good argument that you are going to exceed the 2% to be favorable. Would you be willing to modify the PSDAR to indicate that if there is any money leftover it goes to the ratepayers? I noticed the cost for decommissioning for IP 3 is about \$300 million more than IP 2 but I do not understand why they are sister plants and looking at some of your tables they major tasks both start at the same date and end at the same date - (maybe IP 2 takes a bit longer so the costs may be somewhat higher. I don't see the basis for having a \$300 million difference and that needs to be explained.

Henry Kelly (Ossining Resident): I read the report and I have a letter to read: I think the country and the American business are going through a soul searching around the crashes of the 737 Max. (See attached letter).  
(31.50)

Supervisor Puglisi: I mentioned that January 9, 2017 when we heard from our Governor and the CEO of Entergy but since that date we have not seen, no return phone calls, no return emails, no return letters, from the Governor of New York State. I agree with him on many issues, this one I do not. If I was Governor, I would be here like our County Executive, our State Senator, our Assemblywoman, our County Legislator; - he needs to be here to help us with funding, direction and safety.

Marilyn Ely (area resident): Regarding interim spent fuel place - my understanding of the law is there can be no interim spent fuel storage until there is a national plan and place to put the fuel. The law precludes an interim place, until we have a regular place to put that. It is a matter of public record that the Governor of New Mexico is very much opposed to having the fuel shipped into their State.

Joe Delmar: In terms of the NM location we have a very strong relationship with the local community. The local community put out the RFP requesting companies like Holtec to propose to build such a facility out there. We have the local support to do that and we continue to have conversations with the Governor and other key stakeholders.

Marilyn Ely: My question has to do with Federal Law - that precludes interim storage before we have a place for regular storage.

Joe Delmar: There are different pieces of legislation going through Congress right now that would allow for the ability to create interim storage. That is something that we are pressuring new members of Congress across the nuclear industry for something like that and something we can work with the local community to make that feasible.

Marilyn Ely: So you are counting on pending legislation being passed:

Joe Delmar: That is one of the keys to make that facility possible.

Marilyn Ely: Could you please speak to the court case in NJ in regard to Holtec, the bribery charges that were brought against Holtec?

Joe Delmar: I am not familiar with a court case that is specific to Holtec. Is this regarding tax credits?

Marilyn Ely: Not this was a bribery case because you were trying to build there and local officials allegedly took bribes and Holtec evidently gave bribes. There was a court case and I would like you to expand on that.

Joe Delmar: I am not familiar with any court case in New Jersey regarding bribery but I can get back to you if you provide more information.

Mayor Knickerbocker: I know what you are saying about the interim storage but technically there is already interim storage throughout the country on all the sites of the nuclear power plants.

Marilyn Ely: On site storage is not interim storage. Interim storage is moving the spent fuel rods to another location.

Mayor Knickerbocker: But technically that is what we are doing anyhow because it is here. It was never considered permanent or interim; this was supposed to be moved out by the DOE. I look at it that we are an interim storage facility.

Marilyn Ely: You are certainly welcome to do that but it does not fit the requirements that are the definition of interim storage.

Diane Tangent (Buchanan resident): You stated that you would be honoring the PILOT program through 2024 - how will you be compensating the local community and our school district beyond that as owners of the IP property. I own property in Buchanan and I pay taxes.

Joe Delmar: That is something that we would have conversations with the municipalities as well as the school district moving forward. We are not the owner so we cannot legally negotiate at this time. It is an area of concern as well as redevelopment. We understand those concerns and will address immediately, as well as we can.

Colin Smith: The community is looking for some level of assurance that should Holtec become the owners during the decommissioning process they will, even beyond the current PILOT agreement continue to work with the community to help with the respect to the economic impact.

Joe Delmar: I do not have the authority to make a formal declaration but that is something we've had conversations with Mayor Knickerbocker. We have listened and will continue to listen to see what we can do on our end to support the community.

Courtney Williams (Peekskill Resident): I live one mile from the plant and have two children in the Hendrick Hudson School District. How many plants have you successfully decommissioned?

Joe Delmar: We are currently in the process of decommissioning Oyster Creek and Pilgrim and our partner company has been involved in decommissioning projects in Zion, Big Rock as well as internationally.

Courtney Williams: Your partner is SNC Lavalin?

Joe Delmar: That is correct:

Courtney Williams: Is this the company that has bribery problems in Canada? When Councilman Smith asked you about snafus that you've had, why did you limit it to 9 months and not mention things that have gone wrong, like in Santa Ofre where one of your canisters got stuck 18' off the ground and a whistle blower reported it or how many

of your casks, when they are loaded, whined up with scratches so that shortens the lifespan of those. I am wondering why you chose 9 months.

Joe Delmar: We became owners and licensee holders of Oyster Creek and Pilgrim within that time-frame.

Courtney Williams: If you conduct, as a contractor, you do this work all the time. You do various nuclear waste handling throughout the country and in 133 countries?

Joe Delmar: Yes, we do.

Courtney Williams: Have you had any snafus at any of those as a contractor with waste handling?

Joe Delmar: I have been with the company for 6 months and I am not aware of any specific issue that jumps out at each and every plant. I am not at that level...

Courtney Williams: For the members of the Board I have brought with me references and citations for all of the questions that I am asking because I know the answers to those questions. How many times is the pipeline mentioned in your PSDAR? The answer is zero. How many pipelines cross the property at IP Nuclear Power Plant?

Joe Delmar: I am learning that this community and I am not familiar with how many times different words are mentioned in the document.

Courtney Williams: The answer is 3 high pressure gas transmission pipelines. Is your company aware that New York State conducted a risk assessment that said decommissioning activities will increase the risk to our community from a pipeline rupture?

Mayor Knickerbocker: In fairness to Joe I would like to have all your questions then he can answer them.

Courtney Williams: I just have one more: Why were you selected today to come talk to us if you don't have the answers to so many of our questions.

Mayor Knickerbocker: Like we said, it is a living document so there are a lot of things to be looked up.

Nancy Vonn: I would like to ask that Holtec send somebody next time that knows something because as far as I can tell none of the questions that we have asked have gotten a complete or sufficient answer.

Regarding the exemptive orders that Holtec routinely and as far as I know, for every single plant that they are planning to decommission has requested: To have no off site emergency planning - that would mean the Attorney General of MA has raised very serious questions about that - that there might not be even a siren anymore. If there

would be an accident during the decommissioning there won't be any sirens or any money going to train our great emergency responders here and I think that is not something that we as a community would like to have happen here. I understand you will be having some discussions here about it but I would like for any requests for an exemption to be withdrawn and to have in writing that you will not request that there will be no off-site emergency planning. If you look at the Pilgrim Plant that is being decommissioned the Attorney General of MA has objected to this very strenuously as has Senator Markey. These exemptions are for every time and the NRC grants them every time which is called regulation by exemption. This should be only something that happens in an unusual situation which would not be every time a plant decommissions. The 2nd exemption that you regularly ask for is to be able to use the decommissioning trust fund for things that are not part of the laws about what is decommissioning. Waste management - moving the spent fuel out of the pools is not a legitimate cost of the decommissioning. Nor is the oversight of hiring lawyers, accountants, that should be an expense that is paid by the company but of course none of the companies that you have set-up to do this have any capital other than the decommissioning trust fund. You said that Holtec International would put in extra money if it was needed. I would like to see that in the PSDAR along with the assurance that you would not change that particular item and that you would not ask for these exemptions, which you have already calculated into your costs.

Ellen Weineger (Westchester - White Plains resident): I have very serious concerns and I spend a good deal of my work time and personal time in Northern Westchester. Concerns about the potential for compromising pipeline integrity during excavation - I would like to know, will Holtec insist and indeed commit to advocating to all the responsible Federal and State agencies to call upon the gas flow to be stopped in those pipelines that cross the site. This is a basic fundamental practice when conducting excavation activities for any building project understanding that there could be a potential for compromising the integrity of those pipelines. Will Holtec commit to refraining from proceeding with these excavating and decommissioning operations until there are clear safety measures and they have fully addressed this issue of stopping gas flow before any work proceeds? Can we count on that commitment and will Holtec join the community advocating for this basic fundamental safety measure. Do we have those assurances from Holtec?

Regarding radioactivity and radio-active decay- What we know about radionuclide's is they do decay - it doesn't just disappear or go away it dissipates and continues to propagate and migrate through soil and water and becomes airborne as well. What specific site testing is being done as baseline: what kind of measurements, who will do those measurements, who will take into account these concerns about how radioactivity actually does behave in general and specific to this site given the fact that there is equipment and buildings and leaks that have formed a large reservoir underneath the site that is radioactive and also the contaminants that have been issued into the Hudson River. What provisions are being made for that? I hope there is someone going forward that can answer these specific questions. These are fundamental questions for a project as serious and as costly as this is to this community and surrounding area.

Mayor Knickerbocker: This is just the first introduction to the PSDAR - this is the beginning of a long process that we will be going to go through with the decommissioning. We have heard some valid good questions and comments so onward we go.

Tina Volz-Bongar (Peekskill resident): Read a letter that was sent to the Attorney General of New York. (See attached).

Mayor Knickerbocker: I think this was a good meeting and there was a lot of information exchanged and comments made so we will have more CAP meetings. The goal is the safe decommissioning of Indian Point.