

Indian Point Units 2 & 3 Annual Assessment Meeting

Handouts & Submissions by Individuals

June 8, 2016

Hello Everybody,

I wish I could be with all of you, but am on that endless road, however, I am here with everybody in spirit. The wonderful work of the Rockland Water Coalition has given energy to other people whose communities are similar David's fighting Goliath's. As a result of your unforeseen and incredible victory over the proposed desalinization plant, a small group of people in nearby Orange County have now stalled an on-coming environmental catastrophe by working together as the Rockland Water Coalition has.

All of us appreciate the Nuclear Regulatory Commission as an organization that was created to protect us and our children from possible accidents which would cause all of us irreparable and incurable harm.

None of us mind waiting three hours at airports in exchange for greater security – to know that we will be safe from terrorism. None of us mind spending a little more at the grocery store to ensure not dying from an incurable disease that is a result of deadly chemicals being present in the foods we eat. The water that we drink and the air that we breathe are two elements that we have no ability to choose. We cannot choose which air we breathe and which water we partake of.

While my areas of achievement are in the field of music and I am certainly not a business genius, I do believe that an environmental holocaust, where 30 million people are at risk of certain death, due to water and air which are polluted by nuclear waste, will eliminate all entrepreneurial activities within a 100 mile radius. The loss of 30 million customers, not fortunate enough to flee with their own helicopters, from a mass evacuation would make us all responsible for our own mass terrorism. The Better Business Bureau would certainly not give an award to anyone who dropped a hydrogen bomb in the same general area where Indian Point is located.

We have not requested a Federal Dr. Kevorkian to help us commit suicide. 30 million condolence letters, sent to the relatives of those millions who perish, would not excuse what is obviously a direction which is currently being embarked upon by you, the NRC, by postponing any further action on an impending catastrophe.

Nancy Reagan, the highly respected wife of President Reagan, was able to say in three words what we implore you, the NRC to say, in order to save us from the worst ecological disaster in history, We implore you to use your common sense and act in accordance with your responsibility for our welfare and repeat Mrs. Reagan's priceless message, which was: "Just Say No".

Respectfully,

David Amram

Beacon, N.Y. 12505

June 8, 2016

Easterseal -
corporate citizenship.
Entry is good to people + workers,



Hudson River Sloop Clearwater Comments to the Nuclear Regulatory Commission Annual Assessment Report Meeting on Indian Point June 8, 2016

Insufficient Preventative Maintenance: I first want to point out that to ensure the safety of the 40 passengers, mainly school children, that we take sailing twice a day, the US Coast Guard has recently required Hudson River Sloop Clearwater to do a complete restoration – essentially a full rebuild – of our 47 year old sloop. When completed, this project will have cost a struggling non-profit river organization over \$1,000,000 and will allow us to offer the unique experience our icon sloop provides for another 50 years. In contrast, the Nuclear Regulatory Commission (NRC) does not require preventive maintenance of Indian Point's aging, deteriorating, 40+ year old reactors, operating on borrowed time with expired licenses. Instead, Entergy and the NRC respond to crises that are inevitably discovered after damage has occurred. Rather than preventing leaks, it repairs them after severe spikes are noted in monitoring wells, which are located in the groundwater under the plant, or bolts that are found broken and missing from former plates inside one of the reactors.

Support for Emergency Petition: Given the potential for a nuclear disaster due to degradation of critical equipment and structures inside the nuclear reactors at Indian Point, Clearwater fully supports the Emergency Petition filed by Friends of the Earth on Tuesday, May 24, 2016 calling on the Nuclear Regulatory Commission to keep Reactor 2 offline until the NRC certifies that the root causes of reactor bolt degradation are identified, other internal components of the reactor vessel, including but not limited to the baffle and former plates and attached structures, are fully inspected and repaired, and that the reactor is safe to operate. It also calls for an immediate shutdown to inspect Reactor 3, the twin to IP-2, to ensure that its bolts and related structures undergo the same rigorous scrutiny.

From the Friends of the Earth's Emergency Petition:

"For the foregoing reasons, the Commission should exercise its authority to immediately prohibit restart of Unit 2 and order the shut down and inspection of Unit 3 until the Staff and Entergy

- (1) ensure that the baffle-former bolt failures in Unit 2 are mitigated;
- (2) study the cause of the failures;
- (3) ensure that the failures will not recur at Unit 2; and
- (4) determine whether the same failures are present at Unit 3, which has nearly the same design as Unit 2.

The Commission should not permit restart of Unit 2 until it is satisfied that the unit can operate safely."

Need for Independent Review Before Restart: In addition, we call upon our Congressional delegation to ensure that there is rigorous independent oversight of, and input into, this process by a wide range of nuclear scientists and technical experts; that all facts and findings regarding both reactors by the NRC and an independent evaluation of these reactors be brought forward in a public and transparent process at a Congressional field hearing to be held in this region; and that neither facility be allowed to reopen unless there is indisputable evidence that it is safe to do. The Governor's Oversight Committee formed to follow up on the severe leak of tritium and other radioactive isotopes in February, should be included in the oversight process.

Here are some specific considerations:

1) **The bolts damage was caused by embrittlement:** "The root cause of the baffle-former bolt failures is primarily Irradiation Assisted Stress Corrosion Cracking (IASCC) and increased fatigue loading...it has been concluded that IASCC was the initiating degradation mechanism that resulted in flaws in the baffle-former bolts." The assumption that the root cause of the degradation is IASCC seems premature. Root cause has to be the result of analysis and testing, not assumptions. Entergy has sent a sample of bolts to a lab for analysis, but until that information is available, the root cause is still undetermined.

2) **The NRC doesn't understand why the failure was so severe, and is jumping the gun in arguing for restart before they even know the cause.** They've proposed nickel in the alloy as a speculation, but they don't know. "Failure analyses of selected removed bolts will be performed." Why are they talking about restart before that analysis is complete? It's prejudicial, like the whole push for restart. They don't really care why; they just want to profit from the air conditioning season.

3) **You can't blame the bolt failure all on nickel. Steel is also subject to failure due to embrittlement, which has likely degraded other steel components besides the bolts:** "IASCC is a type of stress-corrosion cracking of austenitic stainless steels and nickel-based alloys that appears after irradiation in aqueous (water) environments. IASCC is typically inter-granular and the amount of cracking increases with neutron exposure, until a saturation level is reached." Isn't it likely that the same process that degraded the old bolts cause degradation to the plates and other components?

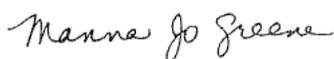
- ... In total, replacement baffle-former bolts were installed in 278 locations. The replacement bolt material is SA-479 Type 316 cold worked stainless steel with a new type of anti-rotational/locking mechanism. These replacement baffle-former bolts have been installed and utilized successfully at other operating plants since 1998. The original bolts are 0.625 inch diameter. The size of the replacement bolts is 0.625 inch diameter or 0.750 inch diameter, depending on whether the bolt required machining of the thread major diameter to remove it.

Entergy had to bore out several bolts, and thread new holes into the baffle and former plates to fit new, larger bolts into them. This could easily lead to damage in the baffle and former plates, which have only been visually inspected, yet there is no discussion of the potential for damage to the plates from the bolt replacement activities, or of the need to do ultrasonic testing to determine the extent of degradation.

4) **Inspections are inadequate.** "During replacement activities, 2 additional bolts were determined to require replacement." Why weren't these found on the initial inspection? The first inspection was prompted by the NYS Attorney General's Office, who asked the NRC to require it in the relicensing process; otherwise NRC would not have ordered it. This points to an inspection regime that is not adequate of a regulatory body that consistently puts the industry's well-being ahead of the public's.

Finally, for years I have been saying that allowing Indian Point to continue to operate, and to continue to generate increasing numbers of highly radioactive fuel rods that are stored in severely overcrowded fuel pools, is like playing Russian roulette with our future. This is now more true than ever – except that now we have a lot more bullets in the cylinder. It is simply time to close and safely decommission these aging, leaking and deteriorating reactors before a major disaster occurs here along the shores of the Hudson, where more than 20 million people live and work.

Sincerely,



Manna Jo Greene, Environmental Director, Hudson River Sloop Clearwater, Inc.

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The Legislature of Rockland County



HARRIET D. CORNELL
Legislator – District 10

Chair – Environmental Committee
Chair – Rockland Water Task Force
Chair – Special Committee on Transit

Economic Development Committee
Budget & Finance Committee

Remarks by Rockland County Legislator Harriet Cornell Re Latest Danger to Public Safety at Indian Point June 8, 2016

The first significant piece of legislation I authored when I entered the Legislature in 1984, was to create the Citizens' Commission to Close Indian Point. I became its Chair and worked for years informing members of Congress, meeting with NRC Commissioners and raising public awareness by calling attention to dangers from a nuclear power plant located on the Ramapo Fault and to the impossibility of evacuation on Rockland's narrow, country roads.

Were it not for the superhuman efforts of concerned individuals and dedicated scientific and environmental organizations focusing attention on the dangers posed by Indian Point, who knows what might have happened during the last 40+ years.

A damaged bolt sounds innocuous, but these particular bolts have an unprecedented failure rate—not only in United States reactors, but globally. They also appear to violate the safety standards prescribed by Westinghouse, manufacturer of the reactor. No company has a longer, deeper history in the nuclear industry than Westinghouse, having been selected by the U.S. Navy in 1946 to design and build the first reactor intended for electric generation, rather than for strictly military purposes. In the 1970's the company focused on servicing and repairing existing reactors.

Westinghouse appropriately warns that **as reactors age**, attentive monitoring and careful maintenance are essential to assure proper standards of safety, efficiency and output. In an October 2014 technical manual, Westinghouse explicitly addressed, the role of baffle-former assembly bolts, which it called "a critical safety feature": I quote: "One component that is critical to maintaining the structural integrity of the internals [of the reactor], and that has been shown operationally to be susceptible to aging mechanisms, is the baffle-former assembly bolts." The main concern, the manual added, is that **radiation from the reactor can lead to "corrosion" and "cracking" of the bolts.**

- over -

While Westinghouse indicated that a “failure of a few bolts should not have a significant safety impact,” because redundancy in the reactor design would keep enough bolts in place to assure safe operations, the situation at Indian Point Unit 2 falls well short. What has failed at Indian Point Unit 2 is emphatically not just “a few bolts. ***It is one out of every four.***

Most of us wouldn't drive a car if we knew that one out of four bolts holding our car together was missing or broken. Why should a weaker standard apply for a nuclear reactor where an accident would be catastrophic?

As Chair of the Environmental Committee of the Rockland County Legislature, I join with Friends of the Earth and major supporting organizations* in calling for a more comprehensive evaluation of the causes of the damaged and missing bolts inside IP-2 --and the closing of its twin IP-3 to undergo similar scrutiny. The public needs to know: how did this happen? why did this happen? The NRC must take immediate action.

* Friends of the Earth, Clearwater, Riverkeeper, Sierra Club, IPSEC, NIRS, PSR et al

Thank you for giving us the opportunity to speak today.

THERE IS A

LACK OF OVERSIGHT AND ON THE SPOT CORRECTION OF UNPLANNED LEAKS AND DISCHARGES OF RADIOACTIVE WATER CONTAINING STRONTIUM 90, TRITIUM & OTHER RADIO ACTIVE ISOTOPES, THERE IS THE **LACK OF A WATER PERMIT**. THE ENVIRONMENTAL PROTECTION AGENCY (EPA) HAS AND WILL CONTINUE TO DENY ENTERGY THE PROPER WATER PERMITS. INDIAN POINT/ENTERGY IS ILLEGALLY OPEN FOR BUSINESS. THE AMOUNT OF WATER IN FROM THE HUDSON RIVER AND THE AMOUNT OF "HOT WATER" OUT INTO THE HUDSON RIVER AND THE LOSS OF AQUATIC LIFE IS UNACCEPTABLE. THERE IS THE **DEGRADATION OF 27% of CRITICAL STAINLESS STEEL BAFFLE BOLTS** IN INDIAN POINT 2 REACTOR. INVESTIGATION ^{ROOT CAUSE} and ANALYSIS DEMANDED FOR REACTORS 2 AND 3. YOU YOURSELVES, THE NUCLEAR REGULATORY COMMISSION (NRC), HAVE CALLED FOR CRITICAL QUESTIONS TO BE ANSWERED.

THERE HAS NOT BEEN AN INDEPENDENT RISK ASSESSMENT. GOV. CUOMO AND SENATOR'S GILLIBRAND and SCHUMER HAVE REQUESTED AN INDEPENDENT RISK ASSESSMENT IN CONJUNCTION WITH THE SPECTRA ALGONQUON INCREMENTAL MARKET PROJECT (AIM), WHICH LANDS AT INDIAN POINT, 105 FEET FROM THE ^{overburdened} COOLING PONDS. THE AIM PROJECT, COMBINED WITH LACK OF OVERSIGHT REGARDING THIS AGING NUCLEAR FACILITY IS TRULY AN ACCIDENT AS BIG OR BIGGER THAN THE DIASTER AT FUKUSHIMA, WAITING TO HAPPEN. INDIAN POINT IS DRIVING WITHOUT A LICENSE.

THERE IS A CONFLICT OF INTEREST WITH THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) FOR NOT USING AN INDEPENDENT THIRD PARTY IN THEIR EVALUATIONS REGARDING INDIAN POINT AND THE AIM PIPELINE. *THE IS A LACK OF APPROPRIATE INSULATION*

THE RE IS NO EVACUATION PLAN. STILL NO EVACUATION PLAN. THERE NEVER WILL BE AN EVACUATION PLAN. IT IS NOT POSSIBLE. *HEALTH RISK - THYROID CANCER -*

THERE IS NO REVERSE CALLING SYSTEM IN PLACE FOR WESTCHESTER AND ROCKLAND COUNTY'S RESIDENTS. HAVING A SIREN GO OFF WHEN PARENTS MAY BE OUT OF THE AREA WORKING, WILL NOT HELP. IT CAN'T BE HEARD AND IS MEANINGLESS.

THERE IS NO INSURANCE TO COVER THE REALS COSTS TO THE PUBLIC SHOULD A DISASTER OCCUR: LOSS OF PROPERTY, CLEAN AIR AND LAND, PERSONAL HEALTH AND PUBLIC INFRASTRUCTURE.

WE ALL KNOW THAT THE RISKS FAR EXCEED ANY BENEFITS TO THE PUBLIC. THE ONLY BENEFIT IS TO ENTERGY, WHO CONTINUES TO MAKE MONEY WITH A DILAPIDATED FACILITY THAT PUTS 30 MILLION PEOPLE AT EXTREME RISK. WHAT IS YOUR JOB? YOU ARE SUPPOSED TO MAKE SURE THAT THE PUBLIC WILL BE SAFE FROM HARM!

Respectfully,

Jacquelyn Drechsler and Jocelyn Decrescenzo

Valley Cottage, N.Y. 10989

Jacquelyn Drechsler, MSW
Jocelyn Decrescenzo
June 8, 2016

KLUKAN, BRETT M

From: marilyn elie < >
Sent: Tuesday, June 14, 2016 5:56 PM
To: Klukan, Brett
Subject: [External_Sender] Re: Re: Slide for NRC annual meeting tomorrow night

Hi Brett,

You really worked hard at the meeting to be fair and consistent. Thank you. If the NRC had done this in the beginning it is doubtful that this community would have become so polarized. One disadvantage of this excellent format is the lack of time for people to speak. Have you considered looking at the model the PSC uses? An afternoon and an evening meeting. They do seem to stay until all comments are heard. You might also consider encouraging people to submit written comments with a real pledge to read and acknowledge them and have them be included in the transcript.

It seems to be the engineering mindset. I do not care a whole lot about how you are going to fix the former bolt problem - I want to know why Unit 2 has the largest number of damaged bolts in the history of nuclear power. Your engineers could care less, since they seem to think that they have it under control and will eventually figure it out when they have enough data. That is just not acceptable and this is not just Marilyn Elie saying so.

My testimony centered around David Lochbaum's analysis of your manual on this and what has been reported about the bolts. According to the chapter in the manual I read, the bolt situation meets the criteria for root cause analysis. I am sorry I did not get to present my testimony. Not that anything would have changed.

So there you have it. The only workable solution seems to be to see the agency in court -

Cheers,
Marlyn

Thank you for holding this hearing and for the opportunity to speak.

My name is Ken Gale and I am the Founder of the New York City Safe Energy Campaign and the host and producer of the environmental radio show Eco-Logic on WBAI-FM in New York City.

I'm not going to address whether or not Indian Point should close or stay open. There are plenty of people here to do that. I want to talk about the Nuclear Regulatory Commission itself and compare you to the NFL.

On May 23rd, it came out that the National Football League tried to influence a study of brain disease, head trauma and concussions to professional football players. They had promised \$16 million to the National Institutes of Health for the study and took it back when they found out that the man heading the study was Dr. Robert Stern, a critic of the way the NFL has handled head injuries to football players. I'm sure the NFL hoped the lack of money would stop the study, but it didn't. Many football fans were outraged at this, some were confused about how the NFL could pay for an investigation of the NFL and not try to influence it.

Activists such as myself have seen this over and over. Pharmaceutical companies paying for and influencing studies of new drugs. Oil companies paying for and influencing studies of the environmental effects of drilling for oil. Utilities stopping the study of cancer clusters near nuclear power plants due to routine releases of radiation. It's how Washington regulators work. Instead of tax money going to make these studies independent, federal agencies whose budgets have been cut to the bone, such as yours, go to the industries they regulate to make a study. Industry pays for the study directly or indirectly, so it's done their way and the agencies can show a report that looks like they investigate the industries they regulate. Few people look at how the studies are done. I'm not blaming you for the way things are done, I'm blaming the way Washington handles its regulatory agencies.

Washington has been cutting budgets to a lot of essential health and safety agencies, but without changing what those agencies must do. Almost all of the budget to FERC, the agency which regulates oil and gas pipelines, comes from the companies that give us oil and gas pipelines. If FERC doesn't approve the project, their budget is cut and people lose jobs and don't get raises. If there were fewer nuclear power plants, the NRC would get its budget cut, so you let them stay open even without licenses. I'm amused that football fans are so surprised, confused or outraged that this style of doing business is affecting the sport they love so much. And isn't it interesting that this conflict of interest got so much publicity when it is applied to football. It's as if the health and safety of a few hundred football players is more important than the health and safety of the millions of people whose health and safety is hurt by poor environmental regulators.

So, "Then what do we pay taxes for?" For the military, of course, and to give money to polluting industries like fossil fuel and nuclear so they can pay their executives even more money. The Green Scissors report lists \$200 billion worth of subsidies, www.greenscissors.com. If they stopped giving our tax money to wealthy industries, that money would be available for studying newly-developed drugs, the health effects of routine releases of radiation, the health effects of pipeline leaks and the effects of head injuries to professional and amateur football players.

If your budget is affected by the number of OPERATING nuclear power plants, whoever does budgets doesn't understand that closing a nuclear power plant is not like closing a shoe store. It takes a large staff many many years to decommission a power plant and keep the nuclear waste onsite secure. The NRC budget should reflect that. All nuclear power plants will close some day and we don't want them to close the way Chernobyl and Fukushima did, but the way Vermont Yankee did. Vermont Yankee still has a staff, still has radioactive waste and still needs regulators like yourself.

When the air or water are clean, thank an environmentalist. If not, become one. 'Nuff Said!

Thank you.

--- www.nycsec.org, www.ecoradio.org



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Statement by John Ravitz, Executive Vice President/COO, The Business Council of Westchester-June 8, 2016

Indian Point is a vital economic engine in Westchester County and the Lower Hudson Valley region. It has been operated in a safe and reliable manner since it was first built. As the former head of Westchester County's branch of the American Red Cross, I can attest that Indian Point is focused on the safety and security of the plant and area residents. Safety redundancy and backups are built into the physical plant and its operations. The Nuclear Regulatory Commission recognizes this time and time again by granting Indian Point highest safety ratings consecutively. For your peace of mind, you should know the NRC maintains a constant 365 days a year presence within the plant. First responders are continually apprised of plans and work with plant officials to coordinate emergency response plans and run safety and evacuation drills. Indian Point is thoroughly prepared for any emergency, extreme weather event, or contingency that should arise. Not only is Indian Point one of the safest energy sites in the nation, it is a model for rigorous processes, competent responses and regulatory cooperation.

Furthermore, our families and local economies cannot sustain the loss of affordable energy and incomes which would destabilize our communities across the board. Indian Point is one of the largest businesses in an area that is otherwise losing its appeal to businesses because of taxation and regulation. As you know, most of the job growth in the state happens exclusively within the bounds of New York City, and New York is consistently rated as one of the worse states for businesses to lay roots in. The chances of replacing the economic weight of Indian Point are dim. Closing Indian Point would be a callous move against our families.

An independent study by The Business Council of Westchester found the effects of closing Indian Point would be catastrophic for Westchester County. Businesses and consumers would be left with higher electric rates, more power outages, and increased carbon emissions, all told, \$11.5 billion in negative economic impact.

Speaking about New York City, it is important to remember that Indian Point supplies the city and surrounding area with one quarter of its entire baseload consumption. The scrambling to transition from Indian Point energy could throw the area into disarray and be costly were energy have to be bought immediately until longer-term solutions are devised. Other solutions would be harmful for the lives of citizens, since they would probably involve revamped production from peakers, exacerbating asthma and air pollution, which is also contrary to the goals of the CES that is at the heart of this meeting.

Indian Point - NRC Public Hearing, Wednesday, June 8, 2016

Tarrytown, New York, 7:00 - 9:00 PM

Testimony of Catherine Skopic, Shut Down Indian Point Now; IPSEC

Eight major malfunctions in 2015, the tritium leaks of this past February and now the rusted bolts inside reactor #2- what is it going to take to wake up those at the helm? The ship has hit the iceberg. We want Indian Point to be shut down before it sinks and we all suffer beyond repair. Fixing it now would help, but that won't get us out of danger.

We, members of Shut Down Indian Point Now, support the Emergency Petition filed by Friends of the Earth on Tuesday, May 24, 2016 calling on the Nuclear Regulatory Commission to keep reactor 2 offline till the NRC certifies that the cause/s of the interior bolt degradation have been discovered, other reactor vessel components are fully inspected and repaired and that the reactor is safe to operate. The Emergency Petition also calls for an immediate shutdown of Reactor #3 for full inspection because it is of the same design as reactor #2 and may be suffering from the same interior bolt degradation.

We need independent oversight and call upon our Congressional delegation to ensure that there is full independent oversight and input into this process by a wide range of nuclear scientists and technical experts. All facts and findings regarding both reactors by the NRC and the independent evaluation must be made known to the public through a transparent process and all facts be made known at a Congressional field hearing to be held in the region. NEITHER FACILITY should be allowed to reopen unless there is indisputable evidence that it is safe to do so and that this has been made known to the public.

Because of leaking tritium, Entergy had to drill test wells around the reactors to monitor these leaks. February 6th, 2016, it was reported that 3 of the 40 test wells were leaking tritium 400 times the safe drinking water level. Several days later, On February 10th, increasing by 80%, tritium levels had risen to 12,000,000 pCi/l - 700 times the EPA recommended safe drinking water levels. And there is NO level of tritium that is safe..

Tritium is carcinogenic, mutagenic and teratogenic (linked to birth defects) and has been connected to other public health problems. Tritium is radioactive hydrogen and is released as radioactive water molecules and therefore is impossible to filter. Often, other radioisotopes are found with tritium such as Cesium-37, Cobalt-60, Nickel-63, Strontium-90 that is highly radioactive, mimics calcium, settles in bone tissue and is a known cause of leukemia and other cancers. Remember, Indian Point sits in the heart of our water shed. Do we want our own version of Flint, Michigan? I don't think so.

For this reason and so many others, SHUT DOWN INDIAN POINT NOW!

Thank you, respectfully and in PEACE, Catherine Skopic

NRC Annual Meeting, June 7, 2016

My name is Susan Van Dolsen and I'm representing Stop the Algonquin Pipeline Expansion (SAPE), an all-volunteer grassroots group opposing the Spectra AIM project that was approved in March 2015.

This new 42" diameter high-pressure methane gas pipeline crosses Entergy property for 2,159 feet. It should not be sited at a nuclear power plant. ~~It~~ is a national security issue and puts 20 million Americans at risk. Many citizens, experts and elected officials have commented previously to the NRC, and even to Chairman Burns, about the unacceptable siting of this pipeline, ^{at Indian Point} and our statements have been ignored. Entergy and the NRC provided false information to FERC that formed the basis for the approval. The NRC continues to stand by this faulty risk assessment, ^{that was neither independent nor peer-reviewed} completed without any pipeline expertise. This massive fracked gas pipeline will be completed in just five months if the NRC does not tell FERC to rescind its approval. We urge you to act immediately and ask FERC to halt construction while an independent risk assessment is done.

~~I am also here to say that SAPE will not accept the trade-off that is now being promoted in the media by industry that pits those who oppose nuclear power against those who oppose fracked gas. This is a strategy to divide us and we will not fall into the trap. Neither nuclear power ~~nor~~ fossil fuels are clean ~~nor~~ safe. There are no bridge fuels and no sacrifice zones.~~

It is time for our policymakers to take responsibility for the damage

that has been done to our planet and to the people and to put every possible resource into truly clean energy- wind, water and sun and to move away from nuclear power and fossil fuels posthaste.

Governor Cuomo has squandered the past 6 years and has not ramped up conservation, efficiencies and renewable energy with the urgency that was needed. He has allowed the state to issue permits for the AIM project, the Minisink compressor station and the CPV gas-fired power plant – major greenhouse gas sources that are climate killers and have already caused harm to health of residents living nearby.

Now, the Governor, who ~~claims he~~ ^{also is willing} wants to close Indian Point for safety reasons, ~~wants to prop up~~ the economically distressed nuclear plants in upstate NY by making utilities buy a certain amount of power generation from these plants in order to help reach the goal of 50% renewable energy in the Clean Energy Standard. Nuclear power is not a bridge fuel any more than fracked gas is a bridge fuel.

Fracked gas is cheap right now and there is a glut of fracked gas that the industry wants to sell. There are many gas-fired power plants proposed throughout the northeast which will use this product and enrich the fossil fuel industry. The industry justifies the buildout of pipelines and gas infrastructure because of closure of nuke plants.

We stand here with our allies to let Governor Cuomo, the NRC, the public and the Governors in New England ^{who oppose nuclear power & fossil fuel} that ^{know both} replacing nuclear power with gas ^{and are in} is ~~not acceptable and that it~~ is a false dichotomy that is used to divide and distract us from the goal of ending our ~~both~~ ^{two very} dependence on dirty and dangerous fuels.

~~Who~~ ^{who} ~~was~~ ^{did} the ~~5~~ ⁵ ~~opposed~~ ^{opposed} ~~peer review~~ ^{peer review} was conducted?
unl sam

The Legislature of Rockland County



ALDEN H. WOLFE
Chairman

June 8, 2016

Comments to U.S. Nuclear Regulatory Commission, Region I

Re: NRC's Annual Assessment Meeting on Indian Point Units 2 & 3

Good evening NRC staff and members of the public. My name is Alden Wolfe and I'm the Chairman of the Rockland County Legislature – the county that sits just across the Hudson River, in close enough proximity to Indian Point to be included in the so-called Evacuation Zone.

I'm here tonight to express my opinion about Indian Point and its future, and frankly, I believe the facts show that there should be NO future for this plant, a plant that seems to suffer one problem after another – and not just everyday workplace problems, but genuine life-threatening crises that must concern us all.

Indian Point was not built to withstand a catastrophe such as a terrorist attack, an earthquake or a pipeline explosion, and there is a long list of continued safety problems, the latest of which involves missing and damaged bolts in Unit 2. Not just any bolts, but the very lynchpins that mean the difference between a safe operating temperature and a nuclear melt-down, with the release of deadly radiation that would spread to the surrounding area and everyone living and working in it.

Right now, we know that federal safety inspectors found that 227 out of 832 bolts were missing or degraded after a review of Unit 2. That's more than 1 in 4 bolts! What is most disconcerting to me is that this unprecedented failure rate of more than 25% occurred under the watchful eye of the NRC. We don't exaggerate when we refer to Indian Point as a ticking time bomb; in fact, even with the NRC's oversight, the condition

of Unit 2 was allowed to reach the point where this most critical safety element became dangerously deteriorated.

What other components are missing, compromised or close to failure? What about Unit 3? When will we find out? 2017, as Entergy wants, is simply way too long to wait.

Sadly, the bolts crisis is not the only issue that causes us all to be concerned about Indian Point.

In just the past 13 months, there has been a litany of troubling occurrences, including multiple unplanned or emergency shutdowns, spiked concentrations of radioactive tritium-contaminated water leaking into groundwater, the spilling of 3,000 gallons of oil into our beloved Hudson River, leaking fuel pods, and more.

These incidents are proof of what Unit 2, online since 1973, and Unit 3, online since 1976, have become: aged infrastructure that cannot be relied upon when it comes to the health and well-being of the public and the environment. There is a reason the State has declined to renew the expired licenses for these plants: They have reached the end of their 40-year life span.

People's lives are at risk every day that this nuclear power plant remains in operation. Children and families living and working within a 50-mile radius of Indian Point are directly impacted by any missteps at the facility. The reality is that there is no realistic evacuation plan. It's foolish to believe that Rockland and Westchester residents – or the millions who live in nearby New York City - can effectively follow a plan that they are not even familiar with. As soon as a catastrophe is declared, it will cause instant panic. Families looking to flee will end up stuck in traffic jams on local roads and major highways, unable to get to safety. If the worst was to happen, there is no way to fully estimate the cost to human life and health.

The NRC is poised to give Entergy its Good Housekeeping Seal of Approval in advance of the profitable summer usage period. How is that possible? It seems that the world has gone crazy, when a ticking time bomb and attractive terrorist target sitting on a fault line near a new natural gas pipeline route is not only deemed safe for operation, but appropriate for one of the most densely populated metropolitan areas in the country. Simple logic demands that the plant be shut down.

However, it's not all doom and gloom. Thanks to the efforts of many, including Gov. Andrew Cuomo, we are seeing an increase in the inclusion of alternative renewable energy sources in our power portfolio. In fact, by 2030, 50 percent of New York State's power mix is to include renewables such as wind, solar, geothermal and hydroelectric

power. I've asked the PSC not to consider nuclear power generation as "clean" energy or inclusion in the state's milestones.

It also must be stated that Indian Point can produce about 2,000 megawatts of power, but new reports indicate that the New York Power Authority doesn't purchase electricity from Indian Point anymore, as it has found cheaper electricity elsewhere. Indian Point's energy generation largely benefits residents of New England, not New York State.

So, we have a path forward – a path that allows us to meet our energy needs without risking our health - and quite possibly our lives - due to a dangerous, aged nuclear power plant that is falling apart.

Thank you for your consideration.

Very truly yours,

A handwritten signature in black ink, appearing to read 'A Wolfe', with a stylized flourish at the end.

Alden H. Wolfe
Chairman of the Legislature

KLUKAN, BRETT M

From: Julie W < >
Sent: Tuesday, June 21, 2016 11:56 AM
To: Klukan, Brett
Subject: [External_Sender] Re: Comments on the NRC DoubleTree meeting in Tarrytown, June 8, 2016 - Follow-up response

Mr. Klukan,

thank you for your response. A couple of things.

Re Security: It's not really a matter of your incorporating "more information ... into the meeting notice regarding the security screening process," but a question of the screening process *itself*, which is unfriendly, intimidating, and more stringent than what we find in many of the the country's most important buildings. Staff in street clothing could have easily handled simple bag checks. Using town policemen, presumably carrying guns (since they usually wear them around here), does not improve the public exchange of ideas. It amounts to 5% security and 95% fear-mongering, and only escalates the growing mistrust we have in governmental overreach, including intimidation, censorship and the like. The probability of someone having or intending to use a weapon or explosive at the DoubleTree meeting was no different than what might be expected any given day on any street, school, subway, bus terminal, mall, hotel, retail venue, and similar public space where access is *entirely unrestricted*. Security like you arranged for June 8th is more in line with Big Brother than with necessity. I am asking you in the future to find another way to satisfy the security needs of the NRC and the hotel without resorting to officious, armed uniformed officers and the banning of mundane implements that are used regularly in grade-school classrooms across the nation.

You also did not address my whole last paragraph on the reality of protest, for which I used transcripts as an example.

I appreciate that the NRC would like to hold annual safety assessment meetings entirely free of public outrage over the questionable safety record of the plant's owners. A lot of us who steep ourselves with scientific and factual material are residents who will lose our property and everything we own as well as our health if we are forced to re-locate after a severe incident at Indian Point. From our point of view, loud and continued public protest has far more potential of changing the culture of for-profit corporate duplicity and NRC complicity than silence, as I demonstrated with my example of the commission's disingenuous dismissal of transcripts in years past and the NRC's present position of actually coming around and producing one.

I hope and expect that you will add these additional comments and your email of June 20th to the same record.

Julie Woodward

On Jun 20, 2016, at 10:04 AM, Klukan, Brett <Brett.Klukan@nrc.gov> wrote:

Ms. Woodward,

Thank you for your comments. I will append your email to the written transcript of the meeting (with your email address redacted).

I'm sorry that you felt that my introductory remarks were too verbose. I admit that, due to the unexpected press conferences (of which I had no awareness prior to the meeting), the start of the meeting did not necessarily go as smoothly as I had intended. My opening remarks served multiple purposes: to go over room logistics, to discuss how speakers would be called, to introduce the NRC staff on the stage, and to go over the ground rules for the meeting. While I

did my best to streamline my remarks, I will take into consideration your feedback in preparing for next year.

Regarding the ground rules for the meeting, please know that my intent was never to be threatening or heavy-handed. Rather, my intent was to create an atmosphere in which individuals could, without interruption, use their three minutes to speak as they chose, addressing at liberty any topics of concern to them. The ground rules reflect the history of past Indian Point public meetings, at which there have been disruptions which impeded the effective sharing of information by the public in attendance. The ground rules sought to strike a balance between providing a free flow of information and maximizing opportunities for those in attendance to offer comments and to pose questions. I devoted much time to crafting the ground rules (along with the logistics for the rest of the meeting). With that said, I recognize, if by nothing else than your response, that there is room for improvement. So, I will take your comments into consideration when planning the meeting next year.

The first I heard of your exchange with local law enforcement agents at the security screening station was when you brought it up during the meeting. As such, I don't have any firsthand knowledge of the exchange and, thus, can't speak to it. Recognizing that, the security screening station is, most assuredly, not to function as a scare tactic of any sort. As you note in your email, security precautions are part of the world in which we live, unfortunate as that may be. The security provisions implemented at the meeting were there to ensure the safety of everyone in attendance.

With that said, I don't want public attendees to be caught off guard by the security screening process. As such, in advance of the meeting, I did work with stakeholders, including Mr. Shaw and Ms. Elie, to make sure that whatever props were brought to the meeting would pass through the security screening. If you believe that more information could be incorporated into the meeting notice regarding the security screening process, I would definitely consider your suggestions.

Thank you again for your comments. If you ever have questions or concerns, please feel free to write me.

Cheers,
Brett Klukan
Regional Counsel, US NRC Region I

From: Julie W []
Sent: Wednesday, June 15, 2016 12:17 PM
To: Klukan, Brett <Brett.Klukan@nrc.gov>
Subject: [External_Sender] Comments on the NRC DoubleTree meeting in Tarrytown, June 8, 2016

Dear Mr. Klukan,

I am very concerned about several things about this year's annual safety assessment meeting. I have attended several over the past years and have noticed some seriously worrisome changes, apart from the NRC's usual denials and obfuscation.

SECURITY

In these days, I can almost understand a bag-check at every public meeting, but to be told that a small child's scissors could not be brought into the venue was completely inappropriate. I was able to leave this item at the hotel reception, where another similar item had also been left for safe-keeping. I have just spent the week in Washington DC visiting a dozen museums, libraries

and galleries. All of these places had bag checks, of course, but not a single security person even thought to mention the presence of my small scissors, which could have done a lot more damage to the treasures on display than to any person or thing at last week's event.

Not to mention the fact that the search was done by town policemen, not one but two. Even in DC, where precious items and crazy people abound, the security checks were not done by DC police.

Over-zealous searches and the use of local policemen are nothing more than scare tactics and should not be allowed to happen in a public meeting where residents are listening to a government organization explaining its record. I was appalled.

YOUR CONTROL OF THE MEETING

I have never been at a public meeting where a facilitator has eaten up *so much time* threatening, admonishing, and crowd-controlling citizens who have very serious concerns about health and safety risks perpetrated by a for-profit facility operating in our midst.

Plants can NOT be safe if old leaks are found. Old leaks mean that for years there were leaks, and these went undetected. They corroded metals, weakened structures, and allowed radioactive materials to leak over time. If the NRC is willing to say the plants are "safe" in the presence of as yet undetected leaks, it may as well not have inspections or assessments at all. These become meaningless if the presence or absence of leaks makes no difference whatsoever to the assessment: in both situations — leaks or no leaks — according to the NRC, the plant is always "safe." Why do they even bother preparing an assessment.

In addition to your 15 minutes or so of introductory ramblings, your techniques for crowd control included heavy-handed instructions on how we all were supposed to behave and a procedure for removing individuals who stepped over your arbitrary line of what would constitute unacceptable behavior (2 strikes and you're out).

What world is the NRC trying to create when it tries to intimidate citizens who have *real objections* to the way regulatory agencies are artificially supporting the continued presence of dangerous facilities, in this case being artificially kept open past their designed longevity.

TRANSCRIPTIONS

You say that the NRC will be providing a transcription of this event. It was only 3 years ago that we — the outspoken voices you are so trying to stifle — once again spoke vehemently out against the former NRC practice of not making transcriptions available. Regional Administrator Bill Dean's response at the time was: "I would not recommend it because I don't think it's an appropriate use of taxpayer dollars." The comment was met with a fair amount of derision.

I therefore took it upon myself to make a transcription of a lot of the meeting from an audio recording made by another attendee of the meeting and posted it at this link with his audio (<http://indianpointmiscellany.blogspot.com/2013/07/pressure-from-residents-to-close-indian.html>). It was sent to several elected officials (including Sens. Gillebrand and Schumber) and to Neil Sheehan on June 22, 2013, by Marilyn Elie, who wrote:

I hope that next year the NRC will do its own transcript of public meetings. When this came up again at the last meeting the NRC was quite clear in its budget and cost benefit analysis in regard to a meeting where decisions were not being made. I do think that once again many other factors were left out of the calculation, public trust and confidence for example. I would think that the NRC would be better off with an official transcript rather than a myriad of unofficial ones, some of which might not reflect the meeting as you saw it. Certainly it would eliminate any confusion about who said what and exactly what was said.

I have attached a transcript ... I have every confidence that this one is 100% accurate. It has gone out to those who follow the issue closely and will be invaluable as the year goes by to track promises and as a basis for us to prepare for the annual assessment meeting next year. I thought you might find it of interest as well.

Citizen activism counts, though not nearly enough in the case of Indian Point.

Nobody's going to stab anyone at your events — especially with kiddie scissors — but our tenacious, knowledgeable, and very angry speakers do make a difference from time to time. Please attach these comments to the record of the meeting, and I hope you will re-think your offensive crowd-control measures next year. We are not the enemy, but radioactive materials in our ground, air, and water very much can be.

Julie Woodward
Homeowner
Croton-on-Hudson, NY 10520