

NUCLEAR ENERGY ADVISORY COUNCIL
September 15, 2022 at 7:00 PM
Waterford Town Hall

MINUTES

Members Present

Rep Kevin Ryan, Chair

Alternate Chair Mr. Jeffrey Semancik representing DEEP Commissioner Dykes

Mr. Craig Salonia

Mr. R. Woolrich

Mr. Bill Sheehan

Dr. James Sherrard

Sen Cathy Osten

Mr. J. McGunnigle

Members not present:

Mr. A. Jordan

1. Call to Order of Meeting

Council Chair Rep. Ryan called the meeting to order at 7:00 PM on.

2. Approval of Minutes of the June 22, 2022 Council meeting.

Rep Ryan proposed a correction to the minutes regarding who called the meeting to order. A motion was made to approve the minutes with proposed corrections by Mr. Sheehan and seconded by Mr. McGunnigle. Minutes were approved with the proposed corrections without objection.

3. Program - Presentation by Dominion Nuclear Energy Inc. Ms. Lori Armstrong, Director of Nuclear Safety and Licensing (DNSL) and Mr. Guy Blackburn, Plant Manager, and Ms. Mary Nuara, State Policy Director for New England (presentation attached).

- a. Safety - Mr. Blackburn highlighted industrial safety performance at Millstone. He noted that Millstone has recently been recertified as Voluntary Protection Program (VPP) Star site by the Occupational Safety and Health Administration (OSHA). From March 2016 to March 2022 the station went 1612 days without an OSHA recordable injury. He noted that while they did have an injury in March of this year, the station has since gone 173 days without any OSHA recordable injuries.
- b. Millstone Unit status - Mr. Blackburn discussed the two-year power history curves for both Millstone Units 2 and 3:
 - i. He discussed the following specific operational occurrences for Millstone Unit 2:
 1. Power reduction in fall of 2020 due to storm challenges affecting the cooling water intake. The unit returned to 100% power after addressing the intake challenges.
 2. Planned power reduction to 90% power in preparations for Hurricane Henri to ensure cooling water margin in predicted conditions at the intake.
 3. Planned shutdown in fall of 2021 for planned refueling and maintenance outage.
 4. Unplanned shutdown due to a small leak in the Reactor Building Closed Cooling Water (RBCCW) cooling water supply to the A Reactor Coolant Pump (RCP).

- ii. He discussed the following specific operational occurrences for Millstone Unit 3:
 - 1. Planned shutdown in fall of 2020 for planned refueling and maintenance outage.
 - 2. An unplanned shutdown due to a tube leak in the 5C feedwater heater.
 - 3. An unplanned shutdown in July 2021 due to a leaking seal in the A RCP.
 - 4. Planned power reduction to 82% power in preparations for Hurricane Henri to ensure cooling water margin in predicted conditions at the intake.
 - 5. Planned shutdown in spring of 2022 for planned refueling and maintenance outage.
 - 6. Planned power reduction in summer of 2022 to repair two valves – the Normal Level Control valve on the 2C feedwater heater and the D feedwater regulating valve.
- c. Millstone Staffing and Leadership Changes.
 - i. Mr. Mike O'Connor was promoted to Site Vice President, Millstone Power Station.
 - ii. Mr. Guy Blackburn was promoted to Plant Manager.
 - iii. Mr. Blackburn noted that the company continues to ensure the Operations pipeline is maintained. He noted that all senior managers have either been previously licensed (by Nuclear Regulatory Commission (NRC)) senior reactor operators or have completed a certification program.
 - iv. Ms. Armstrong noted that this week the NRC was in conducting a license examination of 12 candidates for licenses at Millstone Unit 2. She noted that each class takes about 2 years to train and conduct the exam. Dominion starts a new class each year alternating between Millstone Unit 2 and Unit 3.
- d. Nuclear Regulatory Commission (NRC) Findings – Ms. Armstrong briefed the Council that Millstone remains in the licensee response column of the NRC oversight matrix (best performance column). IN 2022 YTD, the NRC has identified ten Green (very low safety significance) Non-cited Violations (NCVs). All findings are in the Dominion corrective action system. All NRC correspondence related to NRC violations is reviewed by the Council as noted in section 4 of the minutes.
- e. Ms. Armstrong reviewed recent license amendments. All NRC correspondence related to license amendments is reviewed by the Council as noted in section 4 of the minutes.
 - i. The most significant license amendment was approval of a power uprate of Millstone Unit 3 based upon margin uncertainty recovery (MUR). The license change allowed Millstone Unit 3 to increase output power approximately 1.6% (18 Mwe).
 - ii. Additional License changes were approved to align some license conditions with industry initiatives and to allow Dominion to make some technical changes within licensee controlled programs with appropriate analyses.
- f. All NRC performance indicators (PIs) for Millstone are Green.
- g. Summary of Dominion's Internal Oversight assessment of performance and findings. Ms. Armstrong stated that corporate oversight was not currently tracking any issues of

significance.

- h. Ms. Armstrong stated there was one Environmental Impact event requiring reporting related to discharge of non-radioactive water from a tank in their condensate polishing facility (CPF). After the spring 2022 Millstone Unit 3 outage, the discharge from this tank exceeded the permit limit for total suspended solids (TSS). Investigation identified that system design was such that sampling could only be done while the tank was being discharged. Dominion modified this system as well as the similar system at Unit 2 to provide the capability to sample the tanks on recirculation prior to discharging.
- i. Emergency Preparedness and Response update was provided by Ms. Armstrong. Millstone made no emergency declarations since presentation to the Council in September of 2021. Ms. Armstrong discussed two minor changes to the offsite emergency plan:
 - i. West Hartford has replaced East Hartford as a host community for evacuation.
 - ii. The state and Dominion are investigating the use of Integrated Public Alert & Warning System (IPAWS) to replace siren warning consistent with recent Federal Emergency Management Agency (FEMA) guidance.
- j. Ms. Armstrong presented the status of airborne radioactive releases from the station. All releases were below planned quantities and well below any federal limits.
- k. Mr. Blackburn discussed maintenance activities conducted in the most recent refueling and maintenance outage of Millstone Unit 3 that were made to improve longevity and reliability of the station.
 - i. Dominion is working with the vendor to improve the design of the RCP seals. One (out of four) improved design seal was installed in the A RCP. Dominion and the vendor will monitor and assess performance of this seal during this operating cycle.
 - ii. Emergency diesel generator work was conducted
 - iii. The 4A and 4B feedwater heaters were proactively replaced for life cycle management.
- l. Ms. Nuara provided an update on impact of PA 22-76, "An Act exempting Existing Nuclear Power Generating Facilities in the State from the Nuclear Power Facility Construction Moratorium" as requested by the Council. She noted Dominion provide written and oral testimony supporting the state's willingness to explore advanced nuclear such as small modular reactors (SMRs). Ms. Nuara stated that Dominion currently has no plans to deploy SMRs at Millstone as commercial viability remains years away.
- m. Ms. Nuara provided an update on impact of the Inflation Reduction Act of 2022 (IRA) as requested by the Council. The IRA provides a production tax credit (PTC) for existing nuclear for the first time. However, the PTC is reduced 0.80\$ for every dollar above the market price \$25/MW-hr. Recent wholesale prices are well above this threshold and Millstone does not expect to be eligible for the PTC. Ms. Nuara also noted that recent wholesale market prices are also well above the \$49.44/MW-hr that the state utilities locked into through the Power Purchase Agreement (PPA) that was implemented in 2020.

- n. Mr. Blackburn provide an update on two topics requested by the Council:
 - i. Millstone Unit 1 decommissioning – Dominion continues to evaluate decommissioning of Unit 1 and transfer of fuel to dry storage casks. No fixed date has been determined. Unit 1 continues to be staffed, maintained, and monitored.
 - ii. Life Extension – Other Dominion nuclear units in Virginia and South Carolina have received additional extensions to their operating licenses. Dominion continues to evaluate extending the operating licenses at Millstone Units 2 and 3. Note the current operating licenses expire in 2035 (for Millstone Unit 2) and 2045 (for Millstone Unit 3)

- o. Questions from the Council:
 - i. Sen Osten noted that Department of Energy and Environmental Protection (DEEP) Commissioner Dykes said that although the IRA does not currently affect Millstone, it does provide protection should it face an economic situation similar to that it experienced several years ago. Ms. Nuara replied that this was correct. She also noted that the terms of the PPA would require any new revenue streams be passed to CT ratepayers. Sen Osten noted that while several other CT lawmakers were concerned that the PPA was a bad deal, it seems to have stabilized Dominion's revenue and has had significant advantages for CT ratepayers. Ms. Nuara agreed. She noted that the electrical distribution companies (EDC) that purchase the power can sell it on the wholesale market. Any profits made are returned to ratepayers. She noted this PPA expected to save ratepayers over \$500M this year, \$600 to \$700M next year, and as much as \$2B over the PPA. Ratepayers saw the first reduction based on this PPA in September of this year.
 - ii. Sen Osten asked who on the leadership team the security organization would report to. She also noted that on the Council's trip to the station during the 2nd quarter meeting when the Council was trying to access the boat dock that Security asked to check identification even though Dominion management had told Council members that identification was not needed. In that process, she found Security staff to be somewhat disrespectful and asked that their leadership remind the officers that visitors aren't all familiar with the protocols; so, they should be more understanding. Mr. Blackburn noted that Ms. Armstrong was the station director with responsibility for security. He apologized for any behavior of the security force that came across as disrespectful. He noted that they had met with security after the last Council visit and reinforced expectations of behavior.
 - iii. Sen Osten that Dr. Sherrard's program (Nuclear Technology Program at Three Rivers Community College (TRCC)) has provided a number of hires at Millstone and the program is diverse. She asked when we would expect to see more minority representation and diversity in the management team. Ms. Armstrong said she did not have the station diversity statistics on hand, but she has noted much more diversity in training classes that she observes. She also noted that the current Radiological Protection Manager is a graduate of the TRCC program. Ms. Armstrong also said that they have the best results in retaining talent when they hire local individuals that want to stay in the area. Sen Osten noted that she would like to see diversity work its way up through upper management. She also noted that students from other underprivileged areas in the state such as New

Haven and Hartford, don't always have the same opportunity and encourage continued outreach and recruitment in those areas.

1. Dr. Sherrard told the Council that since the scholarship program at TRCC began in 1985, at least 20% of the recipients have been women and minorities. Of the 377 graduates that have gone on to work, they are all capable of moving up, but he believes most of them want to be hands on rather than pursue a management position.
- iv. Rep Ryan asked what was the reason that East Hartford no longer wanted to be a host community and why West Hartford volunteered. Mr. Blackburn stated he did not know the exact reasons but could provide them as follow-up to the Council.
- v. Mr. Sheehan noted that the Engineering Director was dotted line report. He asked if the Engineering group reports to the station or corporate and if the engineers were physically on site. Mr. Blackburn responded that the Engineering Staff reports directly to corporate in Richmond (VA), but with local direction from Station Management. He said the location of engineers is mixed with about 100 engineers on site with a corporate engineering staff in Richmond as well.
- vi. Mr. Sheehan asked if evacuation routes have been updated with the change in host community from East Hartford to West Hartford. Mr. Blackburn said that the evacuation routes out of the 10-mile emergency planning zone had not changed, but the routes to the host community had. Mr. Semancik clarified that the evacuation maps have been updated and in the process of being communicated. Mr. Sheehan noted that the communication had not reached all of Waterford yet.
- vii. Mr. Sheehan expressed concern that moving away from the sirens to cell phone notification may have a gap for those residents that do not have cell phones. Ms. Armstrong answered that the decision to change to IPAWS has not been made and working with state and local officials on ensuring adequate notification systems for their population was part of the evaluation. Mr. Blackburn said Dominion recognizes this concern.
- viii. Mr. McGunnigle asked if any other systems that discharge to the environment were only capable of being sampled during discharge. Mr. Blackburn replied that he could not think of any other system besides the ones that were corrected. Mr. McGunnigle clarified that he wanted to know if Dominion systematically reviewed all of the other discharge systems. Ms. Armstrong replied that, yes, they reviewed all systems with permitted discharge paths.
- ix. Mr. Salonia asked about the RBCCW leak that required a shutdown of Unit 2 to repair. Specifically, he asked if this was related to the relief requests the Council reviewed. Mr. Blackburn noted the leak was from a threaded connect not a weld. He said Dominion is evaluating similar connections on the other three RCP's. Ms. Armstrong added that relief (from code requirements) from NRC was not required.
- x. Mr. Woolrich asked if the scale of on the environmental release graphic was in Curies as this seemed like a lot of activity, 5 to 10 Curies per month. Ms. Armstrong confirmed the reported releases are in Curies. She also noted much of the releases is attributable to tritium releases through ventilation from such things as spent fuel pool evaporation. She noted that all of the releases are well below NRC limits and that the station has radiation detector monitoring the effluent pathways. Mr. Woolrich also noted that DEEP presented last month on

offsite monitors and asked if they had detected any of the releases. Mr. Semancik confirmed that none of the releases were significant enough to be detected offsite due to atmospheric dilution. He also clarified that the radiation monitors would not detect tritium due to its low energy beta emission and that tritium is monitored by sampling and calculations. Mr. Woolrich asked if the doses reported on the graphic were offsite. Ms. Armstrong confirmed that the dose reported on the graphic and the Dominion website were doses that a member of the public at the site boundary 24 hours a day for seven days a week would receive.

- xi. With respect to construction of a new reactor on the Millstone site, Mr. Woolrich said his understanding was that if Dominion thought the financials were viable, they could with the law build on the site. Ms. Nuara confirmed that Dominion could build on the site but currently has no plans.
- xii. Mr. Woolrich asked if COVID restrictions had been lifted. Ms. Armstrong replied that they follow the CDC guidance and have lifted most of the restrictions such as daily temperature checks, social distancing, and masks usage. She said they have significant testing capability but are not routinely testing. Mr. Woolrich asked if the training and exercises that had been suspended have been re-instated including hooking up and testing emergency equipment from the storage dome (post-Fukushima portable equipment). Ms. Armstrong said all emergency drills are being conducted again and that they had already had two drills this year with two more scheduled. She said training with the portable emergency equipment is conducted annually including connection and overseen by both station management and the NRC.
- xiii. Mr. Semancik noted that at the 2021 Dominion presentation to the Council, Dominion addressed failures associated with the emergency diesel generators. He noted the PI for Emergency AC Power was Green and asked what the margin to White was. Mr. Blackburn said that they had margin to white and would provide the actual margin in a follow-up to the Council.
- xiv. Mr. Semancik noted that at the 2021 Dominion presentation to the Council, Dominion addressed failures attributed to poor vendor performance by GE. He also noted that Dominion highlighted the re-wind of the main electrical generator to support the Unit 3 power uprate. He asked how GE performance was for this large project. Mr. Blackburn said that they had some minor first aid injuries. They were affected by a covid outbreak that impacted schedule, but the quality of the work was very good. He noted there were no equipment performance issues during startup or while on-line resulting from the extensive GE vendor
- xv. Mr. Salonia asked if Dominion samples mollusks. Mr. Blackburn was not sure but indicated he would provide a specific answer in a follow-up to the Council.
- xvi. Rep Ryan noted he had read a recent article on mini reactors and asked if they were being considered at Millstone. Ms. Nuara replied that the recent legislation allows Dominion to explore these ideas. While they are years away, Dominion is interested in all possibilities for the site. Mr. Woolrich asked if the Connecticut Yankee property was eligible for new reactors. Ms. Nuara responded that the legislation only exempted operating nuclear power plants from the moratorium based on the existing security and safety infrastructure.

4. NRC Correspondence Reviewed since past meeting.

The following list of NRC Correspondence was reviewed.

- a. Millstone Power Station, Unit No. 3 – Authorization and Safety Evaluation for Alternative Request No. IR-4-09 (EPID L-2021-LLR-0087) dated July 28, 2022.
- b. Millstone Power Station, Units 2 and 3 – Integrated Inspection Report 05000336/2022002 and 05000423/2022002 dated August 11, 2022.
- c. Millstone Power Station, Units 2 and 3 – Triennial Fire Protection Inspection Report 05000336/2022011 AND 05000423/2022011 200047/2021002 dated September 8, 2022.

5. Other material reviewed

NEAC reviewed the following information:

- a. Nuclear Energy in the Inflation Reduction Act, Marc Mignault, <https://www.bowlesrice.com/splitting-stigmas/nuclear-energy-in-the-inflation-reduction-act>, August 05,2022.

6. Public Comment

- a. Three members of the public were in attendance.
- b. One member of the public provided comment. The individual is a member of the Emergency Management (EM) organization for the town of Waterford. He noted that reverse 911 is available to the EM for all landlines even if residents don't sign up and that they can get an emergency message to all landlines including unlisted numbers.
- c. There were no other questions from the public.

7. Council Business

- a. Next Council meeting will be December 15, 2022 at Waterford Town Hall. Topics will include a presentation from Mr. Semancik on emerging nuclear policy and industry and drafting of the annual report.

8. Adjournment

Motion was made by Dr. Sherrard and seconded by Mr. Sheehan to adjourn; no objections; unanimous vote in favor; meeting adjourned at 8:12 PM.

Sec. 16-11a. Nuclear Energy Advisory Council; composition; duties. (a) There is established a Nuclear Energy Advisory Council which shall (1) hold regular public meetings for the purpose of discussing issues relating to the safety and operation of the nuclear power generating facilities located in this state and to advise the Governor, the General Assembly and municipalities within a five-mile radius of any nuclear power generating facility in this state of such issues, (2) work in conjunction with agencies of the federal, state and local governments and with any electric company operating a nuclear power generating facility to ensure the public health and safety, (3) discuss proposed changes in or problems arising from the operation of a nuclear power generating facility, (4) communicate with any electric company operating a nuclear power generating facility about safety or operational concerns at the facility, which communications may include, but not be limited to, receipt of written reports and presentations to the council, and (5) review the current status of facilities with the Nuclear Regulatory Commission.

Dominion's presentation should focus on the safety and operation of the facility referenced in the statute by discussing the following items over the period since the last NEAC presentation:

- Issues relating to the safety and operation of the nuclear power generating facilities
 - NRC Findings
 - Dominion response to any Greater than Green or traditional enforcement NRC violations
 - List of Green NRC findings
 - Any other regulatory actions (DEEP, OSHA, etc.)
 - NRC performance indicators (PIs) and Dominion response to non-green PIs
 - Dominion's Internal Oversight assessment of performance and findings
 - Dominion's assessment of Safety Culture
 - Radioactive Effluents summary/trend (PA 08-20) – liquid and gaseous
 - Key industry issues
 - **Impact of recent legislation**
 - **2022 CT Lift of Moratorium on new construction**
 - **Any study, considerations, and challenges for new nuclear construction**
 - **Inflation Reduction Act**
 - **Plans for Unit 1**
 - **Specifically, any plans to move to dry cask**
- Discuss proposed changes in or problems arising from the operation of a nuclear power generating facility
 - Significant license changes
 - **Dominion plans for life extension to 80 years including significant challenges**
 - Significant changes in Offsite Emergency Plan
 - Significant Management/Work force changes
 - Declared emergency events – causes and lessons learned
 - Root Cause Evaluations completed and corrective actions
 - Automatic & unplanned shutdowns – causes and lessons learned
 - Other environmental impacts
 - NPDES permit exceedences trend and summary



Nuclear Energy Advisory Council Meeting

Millstone Presentation | September 15, 2022

Millstone Power Station

Waterford, Connecticut



Safety

- Safety is our first priority
- Commitment to protect the health and safety of the public
- MPS recertified as OSHA VPP Star site

Millstone Current Status

Millstone Unit 2

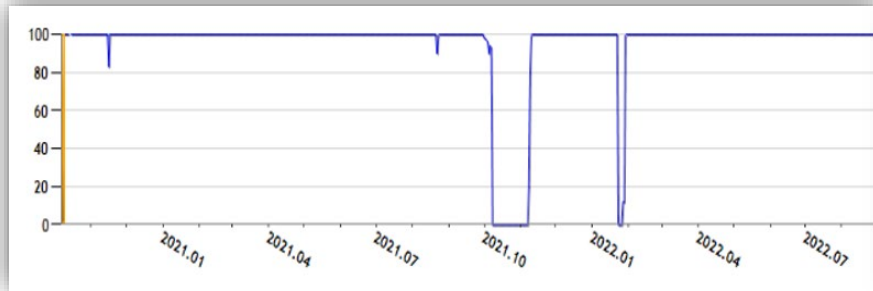
- 231 days online
- 93.09% capacity factor YTD

Millstone Unit 3

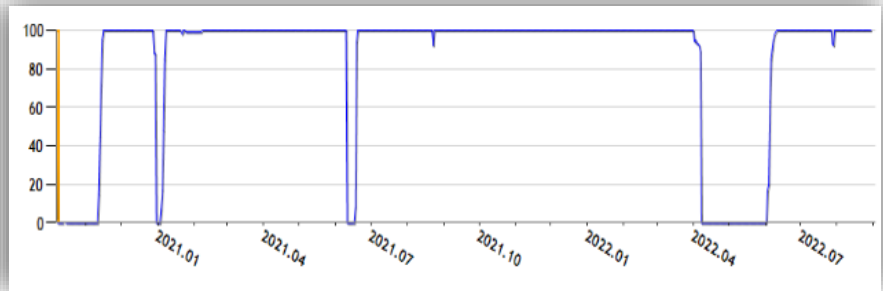
- 104 days online
- 89.14% capacity factor YTD

Operations Power History

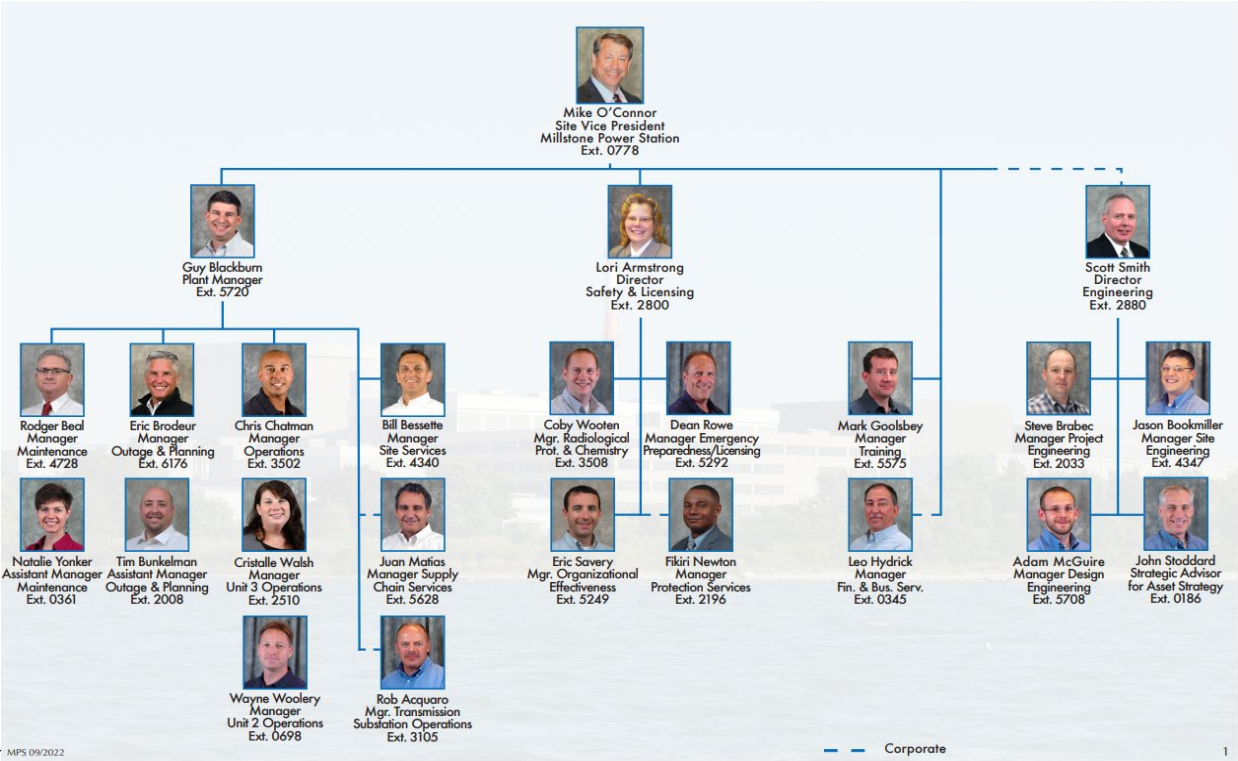
Unit 2



Unit 3



MPS Leadership Team



- Staffing levels
- Operations pipeline

NRC Findings

- **Station is in the licensee response column**
- **10 GREEN non-cited violations/findings identified since last meeting**
 - All are very low risk significance
 - All are in our corrective action system

License Amendment Requests

- **Significant License Amendment Requests Approved by the NRC**
 - Millstone Unit 3 – Measurement Uncertainty Recapture Power Uprate (November 2021)
 - Millstone Unit 3 - Addition Of Analytical Methodology To The Core Operating Limits Report For A Large Break Loss Of Coolant Accident (LBLOCA) (October 2021)
 - Millstone Unit 3 - Revise Reactor Core Safety Limit To Reflect WCAP-17642-P-A, Revision 1 (January 2022)

License Amendment Requests

- **Significant License Amendment Requests Approved by the NRC**
 - Millstone Unit 3 - Clarify Shutdown Bank Technical Specification Requirements and Add Alternate Control Rod Position Monitoring Requirements (February 2022)
 - Millstone Unit 3 - Application To Revise Technical Specifications To Adopt TSTF-569, "Revision Of Response Time Testing Definitions" (March 2022)
 - Millstone Units 1, 2, and 3 - Proposed Amendment To Relocate Unit Staff Qualification Requirements From Technical Specifications To Nuclear Facility Quality Assurance Program Description (July 2022)

Millstone NRC Performance Indicators

Performance Indicators



Unit 2 Second Quarter 2022 NRC Performance Indicators

Performance Indicators



Unit 3 Second Quarter 2022 NRC Performance Indicators

Millstone Nuclear Oversight Summary

- Performance

Environmental Impacts

- NPDES Unit 3 TSS 7/2/22

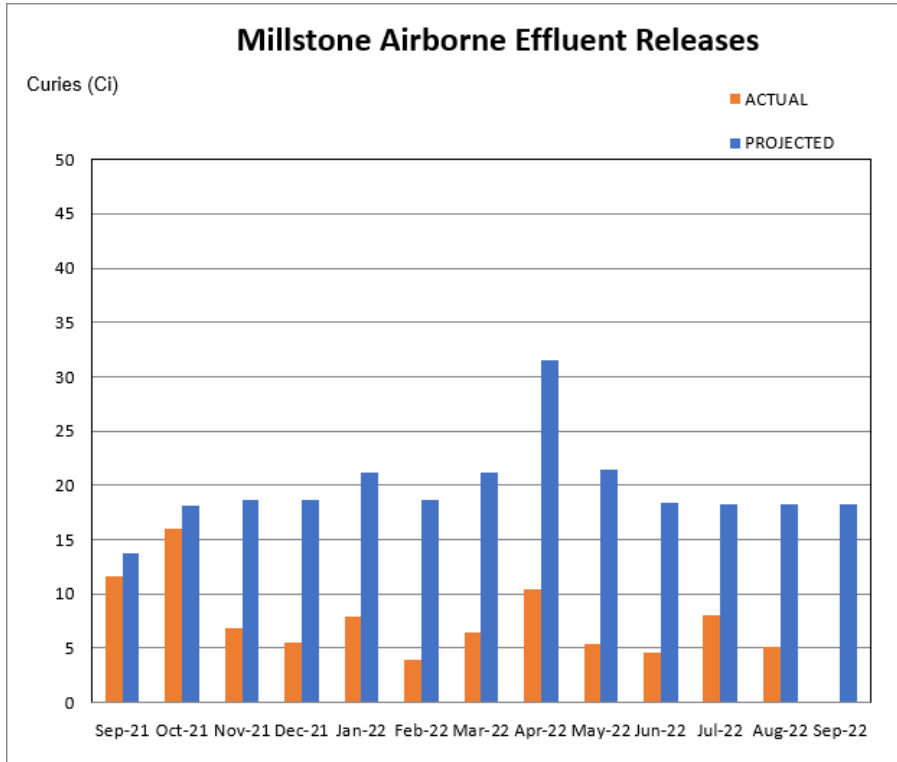
Emergency Plan Event Declarations

- No Emergency Plan Event Declarations in 2022

Offsite Emergency Plan Changes

- Replacing East Hartford Host Community Reception Center (HCRC) with West Hartford
- Minor Emergency Plan Revision; Implemented 05/12/22

Airborne Effluent Releases



- Releases continue to be below projections
- Data publicly available on our website

Millstone Gaseous Radioactive Doses - August

Dose category ¹	Unit ²	Limit ³	Actual	% of limit
Noble gas gamma	mrad	0.833	0.000003	less than 0.0004
Noble gas beta	mrad	1.67	0.000010	less than 0.0006
Iodine, particulates, tritium	mrem	1.25	0.0074	less than 0.594
Total, whole body	mrem	2.08	0.0031	less than 0.150

Improvements & Increased Safety and Reliability

Unit 3 Improvements

- MUR Project
 - Rewound the stator/Replaced the rotor
 - Installed new Air-Cooled Generator Diode Banks
 - Replaced Exciter and DC field breaker
 - Upgraded auto voltage regulator
 - Replaced generator hydrogen coolers
 - Installed new LEFM cabinet

Improvements & Increased Safety and Reliability

Unit 3 Improvements

- Replaced all four RCP seals, one with new design
- ECT/Sludge Lance of all four Steam Generators
- EDG 3Y Overhaul and Governor replacement
- EDG Voltage Regulator Replacement
- Replaced 4A/4B Feedwater Heaters
- Replaced 5C Feedwater Heater Tube Bundle

Impact of Recent Legislation

- **Public Act No. 22-76 (House Bill No. 5202)** - *An Act Exempting Existing Nuclear Power Generating Facilities in the State from the Nuclear Power Facility Construction Moratorium*
 - Partially repeals the moratorium on construction of new nuclear power facilities in Connecticut, allowing construction of new nuclear power facilities at any *existing* nuclear power station operating in the state (i.e., Millstone Power Station)

“No construction shall commence on a fifth nuclear power facility until the Commissioner of Energy and Environmental Protection finds that the United States Government, through its authorized agency, has identified and approved a demonstrable technology or means for the disposal of high-level nuclear waste. The provisions of this section shall not apply to any nuclear power generating facility operating in the state as of October 1, 2022.”
 - Dominion Energy provided written and oral testimony on HB 5202, offering support for the state’s efforts to explore all options available, including advanced nuclear technologies like small modular reactors, to achieve its long-term decarbonization goals
 - While Dominion Energy has no plans to add small modular reactors to the Millstone site at this time, it supports Connecticut taking this first step to allow exploration of all forms of clean energy generation

Impact of Recent Legislation, *continued*

- **H.R.5376 – Inflation Reduction Act of 2022 (enacted August 16, 2022)**
 - **Zero-Emission Nuclear Power Production Credit**
 - Creates a production tax credit of up to **\$15/MWh** for electricity produced by existing nuclear power plants (i.e., plants placed in service before enactment of the Inflation Reduction Act)
 - The credit is not available to an “advanced nuclear power facility”
 - The value of the credit is reduced if revenues for the plant exceed \$25/MWh; for every dollar above the \$25/MWh threshold, the credit is reduced by 80 cents
 - The credit is available to all owners of nuclear power plants, including those operating under cost-of-service regulation
 - Revenues are the “gross receipts” from any electricity produced by such facility, including any electricity services or products provided in conjunction with the electricity produced by such facility and sold to an unrelated company
 - Electricity produced between **January 1, 2024** and **December 31, 2032** is eligible for credits
 - **Outstanding Issue** (to be addressed by guidance) – how to calculate “gross receipts”

Other Topics

- Unit 1 Decommissioning
- Life Extension

Contact Information

Lori Armstrong – Director of Safety & Licensing

Email: lori.j.armstrong@dominionenergy.com

Phone: 860-437-2800

Guy Blackburn – Plant Manager

Email: Guy.L.Blackburn@dominionenergy.com

Phone: 860-447-1791, ext. 5720

Mary L. Nuara – State Policy Director • CT State-Local Affairs

Email: Mary.L.Nuara@dominionenergy.com

Phone: 860-444-5377

From: [Semancik, Jeffrey](#)
To: [Bill Sheehan](#); [Craig Salonia](#); [Jim Sherrard](#); [John McGunnigle](#); [Kevin Ryan](#); [Ray Woolrich](#); [Rep. Ryan, Kevin](#); [Sen. Osten](#); [Skip Jordan](#)
Subject: FW: NEAC
Date: Monday, September 26, 2022 4:39:00 PM
Attachments: [image001.png](#)
[NRC EAC PI.docx](#)
[NEAC Dominion 091522 final1.pdf](#)

NEAC,

Responses to follow-up form Dominion,

Jeff

From: lori.j.armstrong@dominionenergy.com <lori.j.armstrong@dominionenergy.com>
Sent: Monday, September 26, 2022 1:01 PM
To: Semancik, Jeffrey <Jeffrey.Semancik@ct.gov>; Mary.L.Nuara@dominionenergy.com; guy.l.blackburn@dominionenergy.com
Subject: FW: NEAC

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

FYI, Updated. Lori

From: Lori J Armstrong (Dom En Nuclear CT, Inc. - 4)
Sent: Wednesday, September 21, 2022 6:23 AM
To: Semancik, Jeffrey <Jeffrey.Semancik@ct.gov>; Mary L Nuara (Services - 6) <Mary.L.Nuara@dominionenergy.com>; Guy L Blackburn (Dom En Nuclear CT, Inc. - 4) <guy.l.blackburn@dominionenergy.com>
Subject: RE: NEAC

Jeff, Here's responses to the NEAC questions.

1. A report on station demographics (requested by Sen Osten)
Dominion is currently 36.6% diverse. This is an improvement from 2018 of 31.8%.
2. Information on environmental sampling of mollusks (requested by Craig Salonia)
From: John T Swenarton (Services - 6) <john.t.swenarton@dominionenergy.com>
We do collect mollusks for REMP (oysters, hard clams) and in our ecological program benthic invertebrate infauna study (mostly smaller species and blue mussels). I'd be happy to reach out to the NEAC member to provide more details and answer any questions.
-John
Jeff if Craig would like to talk to John Swenarton (Manager Environmental Lab) see his email above. (REMP is the Radiological Environmental Monitoring Program)
3. Emergency AC Power PI including margin to White – MSPI availability and reliability (requested by Jeff Semancik)
Attached please find the NRC indicators for Mitigating Systems Performance Indicator for

Emergency AC Power System for both Unit 2 and Unit 3. These indicators include both Unavailability and Unreliability and margin to white.

4. Why did East Hartford no longer want to support a reception center and why did West Hartford want to do it? (requested by Rep Ryan)

Town of East Hartford evaluated their activities that they are involved in and decided to eliminate some and they didn't want to put the time and effort and use of resources in being a host community. West Hartford is 100% vested in becoming a host community as they are an emergency management and hazmat response focused town. Being a host community will support these initiatives, I.e., the decon tent they just got from the State of CT.

Additionally, I attached a copy of the powerpoint presentation for your minutes.

Lori

Lori Armstrong
Director Nuclear Safety & Licensing
Millstone Power Station
Office 860-437-2800
Mobile 920-901-5239

From: Semancik, Jeffrey <Jeffrey.Semancik@ct.gov>

Sent: Saturday, September 17, 2022 9:53 AM

To: Mary L Nuara (Services - 6) <mary.l.nuara@dominionenergy.com>; Lori J Armstrong (Dom En Nuclear CT, Inc. - 4) <lori.j.armstrong@dominionenergy.com>; Guy L Blackburn (Dom En Nuclear CT, Inc. - 4) <guy.l.blackburn@dominionenergy.com>

Subject: [EXTERNAL] NEAC

CAUTION! This message was NOT SENT from DOMINION ENERGY

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Weezie, Lori, and Guy,

Thank you for taking the time to preset to the Council on Sep 15th.

I tracked 3 items for follow-up:

1. A report on station demographics (requested by Sen Osten)
2. Information on environmental sampling of mollusks (requested by Craig Salonia)
3. Emergency AC Power PI including margin to White – MSPI availability and reliability (requested by Jeff Semancik)
4. Why did East Hartford no longer want to support a reception center and why did West Hartford want to do it? (requested by Rep Ryan)

Also, can you please send a pdf copy of your presentation for the minutes?

Thanks again,
Jeff

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www.ct.gov/deep/radiation

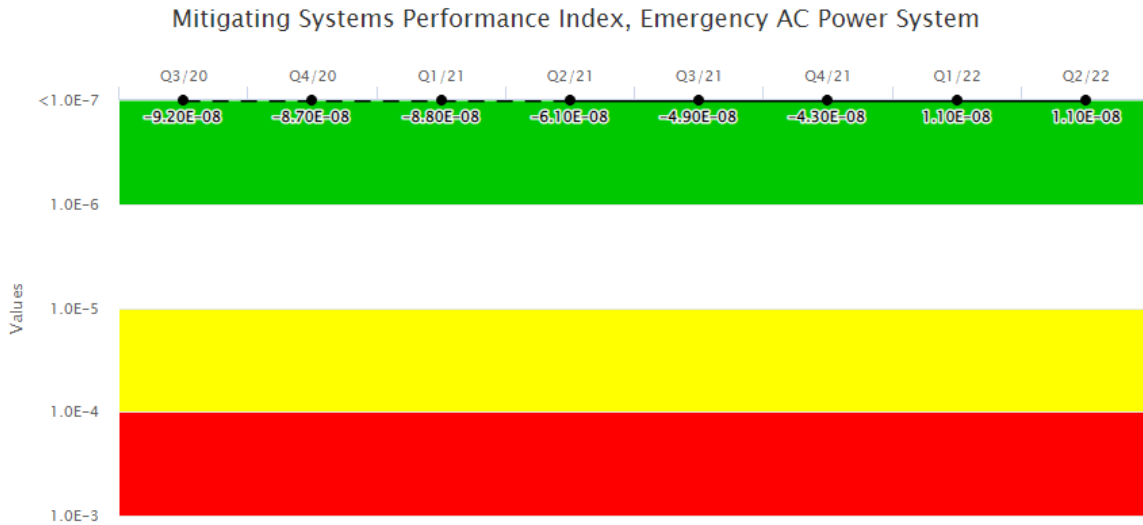
***Conserving, improving and protecting our natural resources and environment;
Ensuring a clean, affordable, reliable, and sustainable energy supply.***

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Millstone 2 - Quarterly Performance Indicators

Q2/2022 Performance Indicators

The solid trend line represents the current reporting period.



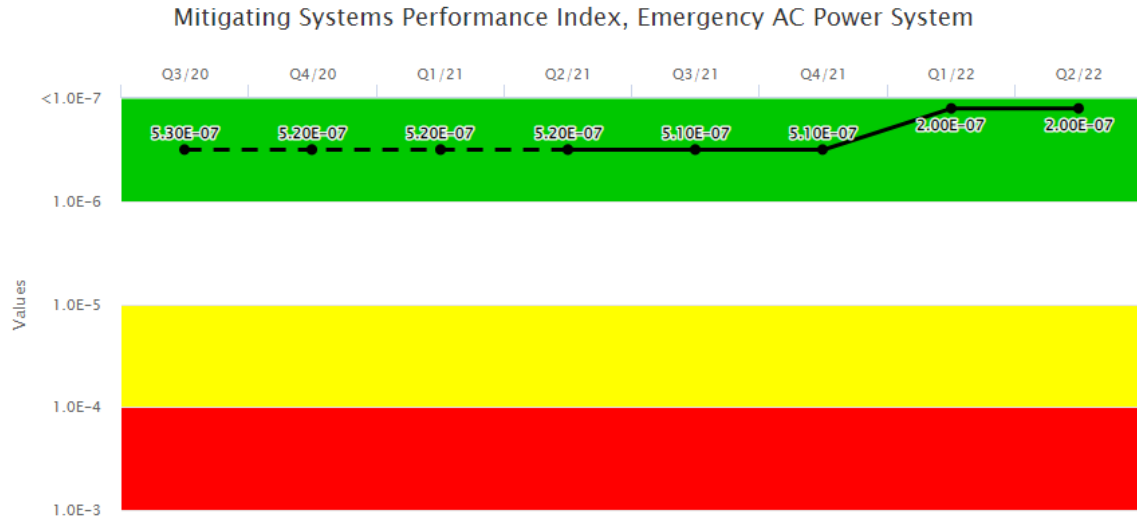
Thresholds: White > 1.00E-6 Yellow>1.00E-5 Red>1.00E-4

Mitigating Systems Performance Index, Emergency AC Power System	Q3/20	Q4/20	Q1/21	Q2/21	Q3/21	Q4/21	Q1/22	Q2/22
UAI (Δ CDF)	-8.00E-09	-4.03E-09	-5.04E-09	2.29E-08	3.33E-08	4.05E-08	4.26E-08	4.41E-08
URI (Δ CDF)	-8.42E-08	-8.34E-08	-8.33E-08	-8.39E-08	-8.22E-08	-8.38E-08	-3.21E-08	-3.34E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-9.20E-08	-8.70E-08	-8.80E-08	-6.10E-08	-4.90E-08	-4.30E-08	1.10E-08	1.10E-08

Millstone 3 - Quarterly Performance Indicators

Q2/2022 Performance Indicators

The solid trend line represents the current reporting period.



Thresholds: White > 1.00E-6 Yellow>1.00E-5 Red>1.00E-4

Mitigating Systems Performance Index, Emergency AC Power System	Q3/20	Q4/20	Q1/21	Q2/21	Q3/21	Q4/21	Q1/22	Q2/22
UAI (Δ CDF)	7.01E-08	4.24E-08	4.82E-08	4.73E-08	5.43E-08	5.43E-08	3.73E-08	3.68E-08
URI (Δ CDF)	4.61E-07	4.75E-07	4.73E-07	4.74E-07	4.51E-07	4.52E-07	1.63E-07	1.63E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.30E-07	5.20E-07	5.20E-07	5.20E-07	5.10E-07	5.10E-07	2.00E-07	2.00E-07