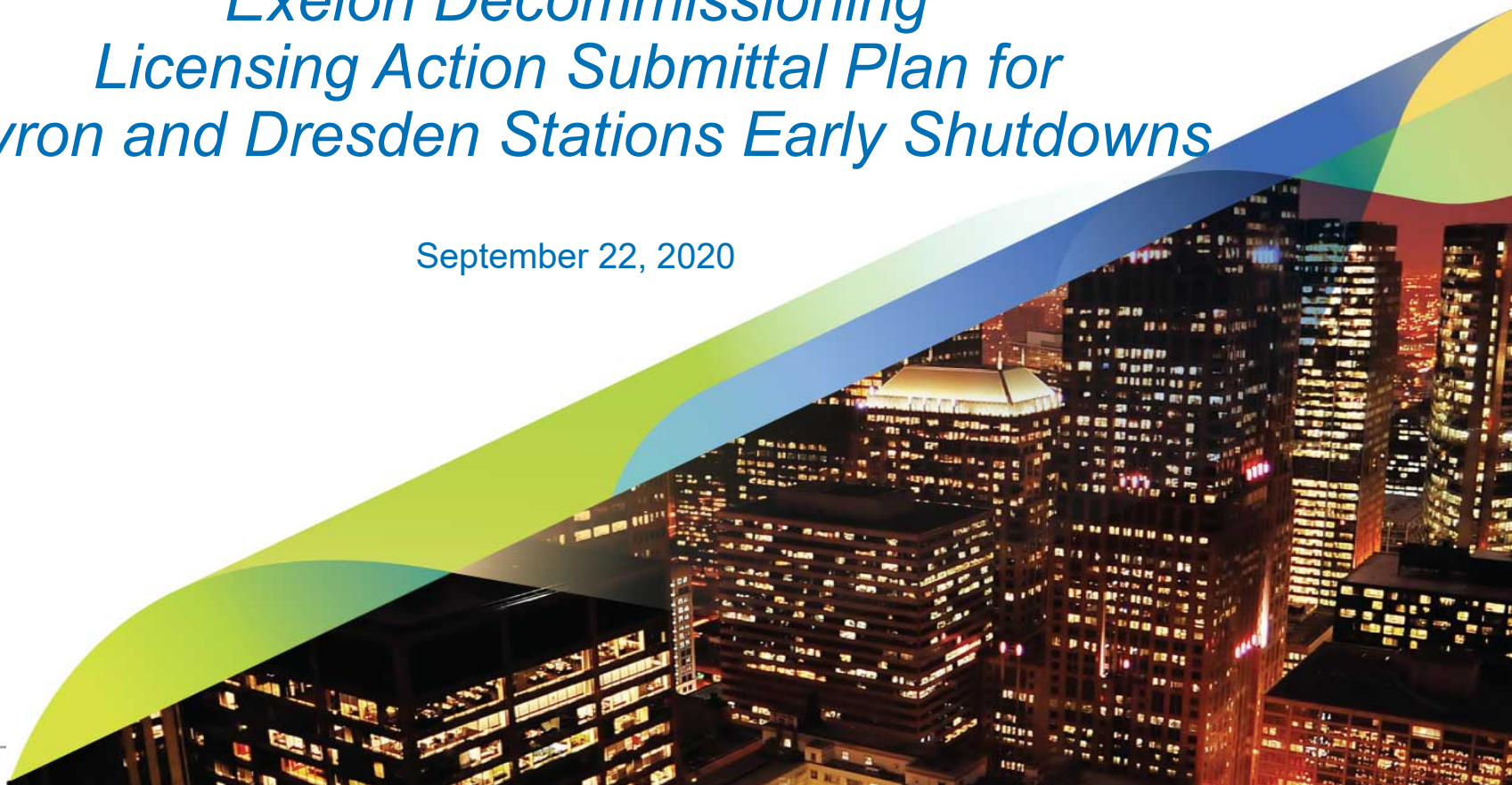


Pre-Submittal Meeting with the NRC

*Exelon Decommissioning
Licensing Action Submittal Plan for
Byron and Dresden Stations Early Shutdowns*

September 22, 2020



Milestones

- Exelon announced closure
 - ❖ Byron Station on or before September 30, 2021
 - ❖ Dresden Station on or before November 30, 2021
- Cessation letters submitted September 2, 2020
- Key Milestones

	Permanent Shutdown	Permanent Defuel	End of Zirc-Fire Period*
Byron Units 1 and 2	On or before September 30, 2021	September-October 2021	January 2023
Dresden Units 2 and 3	On or before November 30, 2021	November-December 2021	September 2022

* Zirc-Fire period will be determined by analysis, estimated for submittal purposes to be 10-months for Dresden (BWR) and 16-months for Byron (PWR)

Submittal Background

- Overall goal is to provide for a safe and efficient transition from an operating site to a permanently shutdown site
- Licensing submittals based on:
 - ❖ Review of regulations and guidance documents
 - ❖ Review of Industry guidance documents (NEI Guidance)
 - ❖ Benchmarking and lessons learned
 - Industry peers
 - Exelon decommissioning transition experience at Oyster Creek and Three Mile Island
 - RAI review
 - ❖ Licensing submittals will align with licensing actions previously submitted and approved by NRC
 - Improved by incorporation of RAI lessons learned
 - ❖ Consistent with proposed NRC Decommissioning Rule
- Updates of submittal schedule will be discussed during periodic Byron and Dresden NRR Project Managers calls

Permanent Shutdown Licensing Actions

Licensing Document		Submittal	Requested Approval	
			Byron	Dresden
Certified Fuel Handler Program	Combined	Oct 2020	Aug 2021 (~ 10 months*)	
Security Exemption	Combined	Oct 2020	Aug 2021 (~ 10 months*)	
Administrative License Amendment Request	By Site	Early-Oct 2020	Aug 2021 (~ 10 months*)	Oct 2021 (~ 12 months)
Post-Defueled Technical Specifications	By Site	Late-Oct 2020	Aug 2021 (~ 9 months*)	Oct 2021 (~ 12 months)
Post-Shutdown Emergency Plan	By Site	Nov 2020	Sep 2021 (~ 10 months*)	Oct 2021 (~ 11 months*)
Records Exemption	Combined	Oct 2020	Oct 2021 (~ 12 months)	
Post-Shutdown Decommissioning Activities Report	By Site	Apr 2021	N/A	N/A
Decommissioning Cost Estimate	By Site	Apr 2021	N/A	N/A
Spent Fuel Management Plan	By Site	Apr 2021	N/A	N/A
Exemption to Use Decommissioning Trust Fund for Spent Fuel Management	By Site	Apr 2021	Under Consideration	Oct 2021 (~ 6 months*)

Zirc-Fire Window Licensing Actions

Site	Licensing Document	Submittal	Requested Approval
Dresden	EP Exemption	Mar 2021	May 2022 (~14 months)
Dresden	PDEP	Mar 2021	May 2022 (~14 months)
Byron	EP Exemption	Apr 2021	Oct 2022 (~18 months)
Byron	PDEP Exemption	Apr 2021	Oct 2022 (~18 months)
Dresden	Offsite Insurance Exemption	Jul 2021	Jul 2022 (~12 months)
Dresden	On-Site Insurance Exemption	Jul 2021	Jul 2022 (~12 months)
Byron	Offsite Insurance Exemption	Nov 2021	Nov 2022 (~12 months)
Byron	On-Site Insurance Exemption	Nov 2021	Nov 2022 (~12 months)

Alternate Means Changes

- Defueled Quality Assurance Program (DQAP)
 - ❖ Incorporate Byron and Dresden to existing NRC approved DQAP through 50.54(q)
- Security Plans Changes
 - ❖ As allowed through 50.54(p)

Other Considerations

- Dresden Unit 1 will be included, as appropriate, in decommissioning licensing actions for Units 2 and 3
- Exelon evaluating currently docketed and planned non-decommissioning related licensing submittals for Byron and Dresden
 - ❖ Communicate results to appropriate NRR Project Manager
- Engagement with NRC Region III regarding scheduled inspections

Summary

➤ Site Permanent Shutdowns

- ❖ Byron Station on or before September 30, 2021
- ❖ Dresden Station on or before November 30, 2021

➤ Licensing Submittals

- ❖ Align with licensing actions previously submitted and approved by NRC
- ❖ Consistent with proposed NRC Decommissioning Rule
- ❖ Requesting timely NRC review of licensing submittals

➤ Alternate Means Changes

- ❖ Incorporate Byron and Dresden under 50.54(q) into Exelon's previously NRC approved DQAP
- ❖ Security Plans Changes as allowed through 50.54(p)

*Pre-Submittal Meeting with the NRC
Exelon Decommissioning
Licensing Action Submittal Plan for
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QUESTIONS?

