September 2, 2020

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Byron Station, Units 1 and 2
Renewed Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Subject: Certification of Permanent Cessation of Power Operations for Byron Station, Units 1 and 2

On August 27, 2020, Exelon Generation Company, LLC (Exelon) announced that it plans to prematurely retire Byron Station, Units 1 and 2, due to severe economic challenges.

Therefore, pursuant to 10 CFR 50.82(a)(1)(i) and 10 CFR 50.4(b)(8), Exelon certifies to the U. S. Nuclear Regulatory Commission that it has decided to permanently cease power operations at Byron Station, Units 1 and 2 on or before September 30, 2021.

There are no regulatory commitments contained in this submittal.

If you have any questions regarding this submittal, please contact Leslie E. Holden at (630) 657-2524.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 2nd day of September 2020.

Respectfully,

J. Bradley Fewell
Senior Vice President Regulatory Affairs and General Counsel
Exelon Generation Company, LLC
cc: NRC Regional Administrator – NRC Region III
NRC Project Manager, NRR – Byron Station
NRC Senior Resident Inspector – Byron Station
Director, NRC Division of Spent Fuel Management, NMSS
Illinois Emergency Management Agency – Division of Nuclear Safety