

Carl J. Bridenbaugh
Vice President,
Transmission

330-384-3850

January 30, 2024

Paul McGlynn
Vice President – Planning
PJM Interconnection, L.L.C.
2750 Monroe Boulevard
Audubon, PA 19403

RE: UPDATED – Response to December 19, 2023, Notification of Designation of Construction Responsibility

Dear Mr. McGlynn:

This letter is in response to the letter from PJM dated December 19, 2023, notifying certain FirstEnergy affiliates, specifically Potomac Edison Company (PE) as the Designated Entity with construction responsibility for PJM baseline upgrades approved by the PJM board on December 11, 2023.

In accordance with Schedule 6, Section 1.5.8 of the PJM Operating Agreement, PE acknowledges and accepts designation of construction responsibility for the upgrades listed in Attachment A and submits its development schedule as listed in Attachment B. Moreover, because the Consolidated Transmission Owners Agreement (CTOA) also applies to the subject PJM baseline upgrades, PE also acknowledges and accepts designation of construction responsibility for the subject upgrades pursuant to CTOA Section 4.2.2.

Attachment A reproduces the information included in the Attachment A provided with PJM's December 14, 2022, letter, and any changed or added text in these columns is shown in redline format. Attachment B provides Project Development Milestones for all the referenced projects.

FirstEnergy will provide updated cost estimates for the additional work that was discussed with PJM on January 29, 2024. As per the discussion with PJM the updated cost estimates will be provided as part of the Designated Entity Agreement.

Should you have any questions or need any additional information, please contact Larre Hozempa (330) 384-5231.

Sincerely,



Carl J. Bridenbaugh
Vice President, Transmission

Attachments

cc: Evan Dean
Jeremy Hay
Greg Hussing
Lawrence Hozempa
Jacquelyn Lojek
Olenger Pannell
Doug Saltz
Dave Tates
Sally Thomas

Attachment A: New required RTEP Projects:

PJM Baseline Upgrade ID	Project Description	Cost Estimate (\$M)	Construction Designation	Required In-Service Date	Related To Tie Line	Transmission Owner Projected In-Service Date
b3800.103	Rebuild ~16 miles of the Gore-Stonewall 138 kV line with 500 kV overbuild (502 Jct to Woodside 500 kV line section).	\$151.72	PE	6/1/2027	Yes	6/1/2028 ⁽¹⁾
b3800.104	Rebuild ~15 miles of the Stonewall-Millville 138 kV line with 500 kV overbuild (Woodside to Aspen 500 kV line section).	\$136.93	PE	6/1/2027	Yes	6/1/2030 ⁽¹⁾
b3800.105	Rebuild ~6 miles of the Millville-Doubs 138 kV line with 500 kV overbuild (Woodside to Aspen 500 kV line section).	\$52.35	PE	6/1/2027	Yes	6/1/2028 ⁽¹⁾
b3800.111	Construct the Woodside-Stonewall 138 kV No. 1 line.	\$6.28	PE	6/1/2027	Yes	6/1/2027 ⁽¹⁾
b3800.112	Construct the Woodside-Stonewall 138 kV No. 2 line.	\$6.31	PE	6/1/2027	Yes	6/1/2027 ⁽¹⁾
b3800.114	Stonewall 138 kV substation three 138kV breaker expansion.	\$8.30	PE	6/1/2027	No	6/1/2027 ⁽¹⁾
b3800.116	Substation Line work for terminating Doubs to Bismark line for Doubs side for Woodside 500 kV substation. (FE Portion)	\$0.06	PE	6/1/2027	Yes	6/1/2027 ⁽¹⁾
b3800.122	Rebuild 500 kV line No. 514 from Doubs-Goose Creek 500 kV line. The Doubs-Goose Creek 500 kV line will be rebuilt (APS Portion) (~15.5 mi)	\$103.27	PE	6/1/2027	Yes	6/1/2030 ⁽¹⁾
b3800.123	Doubs substation work – Re-terminate the rebuilt Doubs-Goose Creek 500 kV line in its existing bay, terminate the new Doubs-Aspen 500 kV line in the open bay at Doubs, replace three 500 kV breakers, replace 500 kV terminal equipment including disconnect switches, CTs and substation conductor and replace relaying. (APS portion)	\$31.70	PE	6/1/2027	Yes	6/1/2030
b3800.124	New Doubs to Aspen 500 kV line - Aspen substation is not yet constructed but is a component in Dominion's proposal 2022-W3-692. (APS Portion) (~8 mi)	\$68.80	PE	6/1/2027	Yes	6/1/2030 ⁽¹⁾
b3800.125	Rebuild the Doubs-Dickerson 230 kV line. This will be underbuilt on the new Doubs-Goose Creek 500 kV line. (APS Portion) (~8 mi)	\$13.04	PE	6/1/2027	Yes	6/1/2030 ⁽¹⁾
b3800.126	Rebuild the Doubs-Aqueduct 230 kV line. This will be underbuilt on the new Doubs-Aspen 500 kV line. (APS Portion) (~6.7 mi)	\$11.35	PE	6/1/2027	No	6/1/2030
b3800.127	Rebuild the Dickerson-Aqueduct 230 kV line. This will be underbuilt on the new Doubs-Aspen 500 kV line. (APS Portion) (~1.5 mi)	\$6.80	PE	6/1/2027	Yes	6/1/2030 ⁽¹⁾
b3800.13	Rebuild the Germantown-Carroll 138 kV line to 230 kV double circuit construction (APS-PE Section). (~11.4 mi)	\$47.31	PE	6/1/2027	Yes	6/1/2028
b3800.15	Construct New 230 kV Hunterstown-Carroll line (APS-PE Section). (~11.4 mi)	\$6.71	PE	6/1/2027	Yes	6/1/2028
b3800.16	Expand Carroll 230 kV substation to ring bus.	\$7.62	PE	6/1/2027	No	6/1/2028
b3800.17	Network upgrade at Carroll substation.	\$0.43	PE	6/1/2027	No	6/1/2028
b3800.21	Reid-Ringgold 138 kV – Replace line trap, substation conductor, breaker, relaying and CTs at Ringgold.	\$3.80	PE	6/1/2027	No	6/1/2027
b3800.25	Taneytown substation terminal upgrade.	\$0.53	PE	6/1/2027	No	6/1/2028
b3800.413	Replace Double Toll Gate 138 kV breaker MDT 138 OCB with a breaker rated 40 kA.	\$3.00	PE	6/1/2027	No	6/1/2027
b3800.414	Replace Doubs 500 kV breaker DL-55 522LIN with a breaker rated 60 kA.	\$10.01	PE	6/1/2027	No	6/1/2030
b3800.8	Reconfigure Doubs 500 kV station and upgrade terminal equipment to terminate new Otter Creek line.	\$57.50	PE	6/1/2027	Yes	6/1/2030 ⁽¹⁾

PJM Baseline Upgrade ID	Project Description	Cost Estimate (\$M)	Construction Designation	Required In-Service Date	Related To Tie Line	Transmission Owner Projected In-Service Date
b3800.9	Rebuild the existing Hunterstown-Carroll 115/138 kV Corridor as Double-Circuit using 230 kV construction standards. New circuit will be operated at 230 kV. Existing circuit to remain at 115/138 kV. (Duplicate baseline ID assigned by PJM, cost/schedule covered by b3800.13 & b3800.15)	\$0.00	PE	6/1/2027	Yes	6/1/2028

⁽¹⁾ Note: All projects that have dependencies to projects that have been assigned to other Designated Entities may impact PE's projected in-service dates.

Attachment B: New required RTEP Projects Milestones:

MILESTONES				
PJM Baseline Upgrade ID	Execute Interconnection Coordination Agreement: On or before this date, Designated Entity must execute the Interconnection Coordination Agreement or request the agreement be filed unexecuted.	Demonstrate Adequate Project Financing: On or before this date, Designated Entity must demonstrate that adequate project financing has been secured. Project financing must be maintained for the term of this Agreement	Acquisition of all necessary federal, state, county, and local site permits: On or before this date, Designated Entity must demonstrate that all required federal, state, county and local site permits have been acquired.	Required Project In-Service Date: On or before this date, Designated Entity must: (i) demonstrate that the Project is completed in accordance with the Scope of Work in Schedules B of this Agreement; (ii) meets the criteria outlined in Schedule D of this Agreement; and (iii) is under Transmission Provider operational dispatch.
b3800.103	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2027	6/1/2028 ⁽¹⁾
b3800.104	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030 ⁽¹⁾
b3800.105	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2027	6/1/2028 ⁽¹⁾
B3800.111	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	9/1/2026	6/1/2027 ⁽¹⁾
b3800.112	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	9/1/2026	6/1/2027 ⁽¹⁾
b3800.114	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	9/1/2026	6/1/2027 ⁽¹⁾
b3800.116	Agreement with NextEra Required Q1 2025	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	N/A (No permits required)	6/1/2027 ⁽¹⁾
b3800.122	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030 ⁽¹⁾
b3800.123	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million	6/1/2029	6/1/2030

		credit facility that is currently in place		
b3800.124	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030 ⁽¹⁾
b3800.125	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030 ⁽¹⁾
b3800.126	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030
b3800.127	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030 ⁽¹⁾
b3800.13	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2027	6/1/2028
b3800.15	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2027	6/1/2028
b3800.16	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2027	6/1/2028
b3800.17	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2027	6/1/2028
b3800.21	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	N/A (No permits required)	6/1/2027
b3800.25	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	N/A (No permits required)	6/1/2028
b3800.413	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	N/A (No permits required)	6/1/2027
b3800.414	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million credit facility that is currently in place	6/1/2029	6/1/2030
b3800.8	N/A	Project will be funded annually starting January 2024 from Cash from Operations & a \$150 million	6/1/2029	6/1/2030 ⁽¹⁾

		credit facility that is currently in place		
63800.9				6/1/2030

(1) Note: All projects that have dependencies to projects that have been assigned to other Designated Entities may impact PE's projected in-service dates.