Attachment F

MISO DPP 2022 PHASE I STUDY REPORT

Mantle Rock Solar LLC

Livingston County, Kentucky

MISO DPP 2022 Phase 1 Study Report

July 8th, 2025

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Executive Summary

This report presents the results of a System Impact Study evaluating the interconnection of the generators in the Definitive Planning Phase (DPP) 2022 Phase 1. The study was conducted under MISO's direction and reviewed by an ad hoc study group. This group, composed of representatives from interconnection customers and transmission owners, was formed to assess the study's scope, methodology, models, and results.

Phase 1 of the DPP 2022 analyzed 778 interconnection requests, totaling a nameplate capacity of 141.4 GW for Energy Resource Interconnection Service (ER or ERIS) and 138.4 GW of Network Resource Interconnection Service (NR or NRIS). Please refer to the *Executive Project and Upgrade Cost Summary* at the end of this report for an overview of non-CEII information such as Point of Interconnection, fuel type, service type, and total upgrade costs. Other non-CEII data may be obtained through the MISO Public Queue. Full project details and modeling assumptions used in this analysis are provided in Appendix F (CEII) – Study Assumptions.

Screening analysis results for the DPP 2022 were made available via the MISO Extranet for Interconnection Customers on March 12th, 2023. DPP 2022 kicked off for all regions on March 27th, 2023. The draft DPP 2022 Phase 1 steady-state models were provided for ad-hoc review on May 1st, 2023 with a deadline of May 15th , 2023 for Interconnection Customers to complete the Appendix 10 of Attachment X Model Review form.

To help expedite the DPP 2022, MISO utilized Pearl Street Technologies, Inc. SUGAR™ to conduct the Phase 1 analyses, develop solutions in accordance with established whitepapers, cost guides and generate report appendices consistent with MISO practices. A benchmarking analysis was performed prior to implementation to ensure the tool was in alignment with the MISO Tariff, BPM, and best practices.

The DPP 2022 Cycle Phase 1 study focused solely on steady-state analysis. Unless an NRIS Only or External NRIS[1] request was made, NRIS requests were also evaluated for ERIS. The results from the ERIS and NRIS analyses are recorded in Appendix C and Appendix D, respectively. Additionally, results for Transmission Owners with Local Planning Criteria (LPC) are documented in Appendix E (CEII) – LPC Results. The Phase 2 report will incorporate system impact studies from affected systems, as well as the MISO short circuit and stability analyses.

Significant upgrades are required to interconnect the DPP 2022, Phase 1 Interconnection Requests to the MISO transmission system. The full list of network upgrades required are detailed in Appendix B (CEII) – Network Upgrade Summary. The cost responsibility for these upgrades have been allocated in accordance with MISO BPM-015. Please refer to Appendix A (CEII) for the breakdown cost for each Interconnection Request and the associated milestone payments required to advance to the next phase.

Steady State Thermal Analyses

Steady-state ERIS and NRIS (deliverability) analyses are conducted to identify what network upgrades, if any, are required to reliably interconnect current study interconnection requests to the MISO transmission system. Section 6 of the MISO BPM-015 details the processes and methodologies used for the DPP steady-state thermal analysis. Please note that for Phase 1 network upgrade development was limited to the criteria as laid out in the Transmission Mitigation Selection and Cost Estimation Approach Whitepaper. Evaluation of alternative upgrades was limited in this Phase 1 analysis.

Please note that as the DPP 2022 Phase 1 study is a Preliminary System Impact Study, upgrades and cost estimates will be refined in later phases with Transmission Owner coordination.

ERIS Analysis

The following models were developed for the ERIS analysis:

[1] HVDC projects with External NRIS are studied for ERIS in accordance with Attachment GGG of the MISO Tariff.

- Summer Shoulder Bench
- Summer Shoulder Discharging Study
- Summer Shoulder Charging Study
- Summer Peak Bench
- Summer Peak Discharging

The DPP 2022 Cycle 1 models originated from the MTEP22 models, with the Bench Cases including all higher-queued projects. Please refer to Appendix F (CEII) – Study Assumptions *Higher Queued Network Upgrades* for the full list of higher queued network upgrades included in the analysis. Study Cases contain all the interconnection requests in DPP 2022, Phase 1 in addition to all the facilities in the Bench Cases.

MISO utilized PSS®E 35.6, Pearl Street Technologies, Inc. SUGAR™, and PowerGEM TARA v2202.2.0.0 for steady-state analysis. AC Contingency calculations were performed on the bench and study models and identified network constraints in accordance with the MISO BPM-015. The full list of constraints identified in the ERIS and NRIS analysis are detailed in Appendix C (CEII) – ERIS Results and Appendix D (CEII) – Deliverability Results.

Monitored Elements
Under NERC category P0 conditions (system intact) branches were monitored for loading above the normal rating (PSS®E Rating A), and for NERC category P1-P7 conditions branches were monitored for emergency rating (PSS®E Rating B). Voltage limits were specified for system intact and contingent conditions as per applicable Transmission Owner Planning Criteria.

Contingencies
The following contingencies were considered in the steady state analysis:

1) NERC Category P0 (system intact – no contingencies)
2) NERC Category P1 contingencies
    a. Single element outages, at buses with a nominal voltage of 68 kV and above
    b. Multiple element NERC Category P1 contingencies
3) NERC Category P2, P4, P5, andP7 contingencies
4) For all the contingencies and post-disturbance analyses, cases were solved with transformer tap adjustment enabled, area interchange adjustment disabled, phase shifter adjustment disabled (fixed) and switched shunt adjustment enabled.

Network upgrades and associated costs to mitigate constraints observed in the system impact study were developed by the SUGAR software according to established mitigation guidelines. Transmission owners may not have comprehensively reviewed all proposed network upgrades. Network upgrade costs were allocated in accordance with the MISO BPM-015. The list of network upgrades required for interconnection service are detailed in Appendix B (CEII) – Network Upgrade Summary. Cost allocation of those upgrades along with the required milestone payments to advance to the next phase are outlined in Appendix A (CEII) – Cost Allocation and Milestone Payment Summaries.

Network upgrade cost estimates were developed on a planning level and are later refined in Phase 2 facility studies. Details pertaining to upgrades, costs, and the execution plan for interconnection of the generating facility at the POI will be documented in the Facility Study for Interconnecting Generator. Facilities that have been included as base case assumptions and the level of interconnection service that would be conditional upon these facilities being in service will be documented in the GIA (Generator Interconnection Agreement) for each respective GI request successfully achieving GIA execution.

In addition to the ERIS and NRIS analysis MISO also examined each interconnection request to determine if FERC 827 requirements were met. The results of this analysis and the recommended reactive equipment to meet this standard are detailed in Appendix G (CEII) – FERC 827 Analysis.

NRIS (Deliverability) Analysis
Generator interconnection projects must pass the Generator Deliverability Study to be granted NRIS. If the

generator is deemed not fully deliverable, the customer can choose either to change the project to an Energy Resource project or to proceed with the system upgrades that will make the generator fully deliverable. The Generator Deliverability Study ensures that Network Resources, on an aggregate basis, can meet the MISO aggregate load requirements during system peak conditions without getting bottled up. The wind and solar generators are tested at 100% of their maximum output level which then can be used to meet Resource Adequacy obligations, under Module E, of the MISO Transmission and Energy Market Tariff (TEMT).

The MISO Generator Deliverability Study whitepaper describing the algorithm can be found in BPM 015 – Generation Interconnection, Appendix C.

The model developed for the NRIS analysis was derived from the Summer Peak Discharging case from the ERIS analysis; however, the study units are not dispatched as this occurs through the TARA deliverability analysis.

Determining the MW Restriction
If one facility is overloaded based on the assessed "severe yet credible dispatch" scenario described in the study methodology, and the generator under study has a distribution factor (DF) greater than 5%, part or all its output is not deliverable. The restricted MW is calculated as follows:

$$(MW\ restricted) = \frac{worst\ loading\ -\ MW\ rating}{(generator\ sensitivity\ factor)}$$

If the result is larger than the maximum output of the generator, 100% of this generator's output is not deliverable.

Shared Network Upgrades Analysis
The Shared Network Upgrade (SNU) Analysis, which tests Network Upgrades driven by higher queued interconnection projects, was performed for this System Impact Study. Please refer to Appendix A (CEII) – Cost Allocation and Milestone Payment Summaries for maximum MW impacts and SNU cost allocations.

Local Planning Criteria (LPC)

1. Ameren
The Ameren LPC is evaluated in stability only. All LPC mitigations have been removed from the most recent model and results.

2. ATC
The ATC LPC study is performed to adhere to ATC Local Planning Criteria. Details regarding this LPC are available in Appendix E (CEII) – LPC Results.

3. Dairyland Power Cooperative
The Dairyland Power Cooperative (DPC) LPC study is performed to adhere to DPC Local Planning Criteria. This LPC analysis is required for J2600, J2861, J2863, and J3198 projects in addition to MISO's standard DPP analysis. Each project was studied separately, though the cost of Network Upgrades identified in multiple cases are shared among the respective projects. The DPC LPC analysis consisted of steady-state contingency analysis for Summer Peak (SPK) and Summer Shoulder (SH) conditions. Individual models were developed for each project J2600, J2861, J2863, and J3198.

Any constraint or violation of system performance criteria that occurs in the DPC LPC Study Cases and does not occur in the LPC Benchmark Cases should be identified, allocated and mitigated by the 2022 DPP generators. LPC results for DPC are available in Appendix E (CEII) – LPC Results.

4. Entergy
The Entergy LPC is evaluated in stability only.

5. Great River Energy

The Great River Energy (GRE) LPC study is performed to adhere to GRE Local Planning Criteria. This LPC analysis is required for J2495, J2608, J3051, and J3172 projects in addition to MISO's standard DPP analysis. The GRE LPC analysis consisted of steady-state contingency analysis for Summer Peak (SPK) and Summer Shoulder (SH) conditions. Individual models were developed for projects J2495, J2608, J3051, and J3172.

LPC results for GRE are available in Appendix E (CEII) – LPC Results.

6. ITC

The ITC LPC is evaluated in stability only.

7. MDU

MDU elected to not perform an LPC analysis for this phase.

8. NIPSCO

LPC results for NIPSCO are available in Appendix E (CEII) – LPC Results.

9. OTP

Any constraint or violation of system performance criteria that occurs in the LPC Study Cases and does not occur in the LPC Benchmark Cases should be identified, allocated and mitigated by the 2022 DPP generators. OTPLPC analysis results are detailed in Appendix E.

Appendices

Appendix A (CEII) – Cost Allocation and Milestone Payment Summaries

- Backbone Upgrade Cost Allocation Summary
- Milestone Payment Summary
- ERIS Thermal Cost Allocation Summary
- ERIS Voltage Cost Allocation Summary
- NRIS Cost Allocation Summary
- Interconnection Facilities Cost Summary
- Shared Network Upgrade Cost Allocation Summary

Appendix B (CEII) – Network Upgrade Summary

Appendix C (CEII) – ERIS Results

- Backbone Upgrade Cost Allocation
- ERIS Thermal Analysis
- ERIS Thermal Cost Allocation
- ERIS Voltage Analysis
- ERIS Voltage Cost Allocation

Appendix D (CEII) – Deliverability Results

Appendix E (CEII) – LPC Results

- ATC
- DPC
- GRE
- NIPSCO
- OTP

Appendix F (CEII) – Study Assumptions

- Backbone Network Upgrades
- Dispatch Data
- Higher Queued Network Upgrades

Appendix G (CEII) – FERC 827 Analysis

Executive Project and Upgrade Cost Summary

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2322	Pine Prairie to Coughlin 138 kV	Solar	200	0	ERIS	$75,281,526.35
J2323	Webster-Lehigh 345kV	Wind	145	145	NRIS	$29,144,388.39
J2324	Shirland Ave Tap (Y-54) to Shaw 69kV	Hybrid	35	35	NRIS	$24,895,576.60
J2326	Werner West - Highway 22 345 kV	Battery Storage	150	150	NRIS	$37,860,073.47
J2327	Ellendale 345 kV	Wind	300	300	NRIS	$263,187,740.93
J2328	Keo 500kV	Solar	150	150	NRIS	$53,259,391.52
J2329	Wabash River-Whitesville South 230 kV	Battery Storage	100	100	NRIS	$147,080,794.28
J2330	Winona to Greenwood 115 kV	Solar	200	200	NRIS	$204,922,662.55
J2332	Lyon County - Cedar Mountain 345kV	Wind	200	200	NRIS	$63,624,155.60
J2333	Ellendale - Twin Brooks 345kV	Wind	200	200	NRIS	$169,897,557.64
J2334	Redhawk Substation 138kV	Solar	195	195	NRIS	$45,250,755.71
J2335	Plover 115 kV Substation (J1573 substation)	Battery Storage	200	200	NRIS	$39,180,631.45
J2336	Sterlington - Downsville 115 kV Line	Hybrid	125	125	NRIS	$113,702,271.09
J2337	St. Francois 138kV 4ST FRANC 1 bus 345774	Battery Storage	100	100	NRIS	$54,757,056.56
J2338	Ellendale - Twin Brooks 345kV	Wind	200	200	NRIS	$169,967,028.91
J2339	Cocodrie-Forest Hill 230kV	Solar	125	125	NRIS	$149,670,431.18
J2340	RUSHVILLE 69 kV - HEMILROY 69 kV	Solar	43	43	NRIS	$47,265,873.28
J2341	Ricuskey-Woodward 230kV	Solar	75	75	NRIS	$53,953,709.82
J2342	Worth County	Wind	230	157	NRIS	$59,669,090.94
J2343	Georgetown - North 138.0kV	Battery Storage	130	130	NRIS	$25,138,662.05
J2344	Jamestown 345 kV	Wind	200	200	NRIS	$231,693,581.60
J2345	Gardner Park-Stone Lake 345kV	Wind	150	150	NRIS	$32,767,797.31
J2346	Lyon County - Cedar Mountain 345kV	Wind	200	200	NRIS	$52,124,155.72
J2347	Higgins - Mio Dam 138 kV Line	Solar	40	40	NRIS	$61,125,926.54
J2348	Minden to Sarepta 115 kV	Solar	225	225	NRIS	$217,319,542.04
J2349	Jackson to Campbell Hill 161kV	Solar	200	200	NRIS	$201,703,681.68
J2350	J2134 POI to White Bluff 115kV Line	Solar	115.5	115.5	NRIS	$61,045,804.32
J2351	AECC RECTOR NORTH - RECTOR 161kV line	Solar	200	200	NRIS	$132,378,790.19
J2352	Raun - Lehigh 345 kV	Wind	118	118	NRIS	$24,810,540.42
J2353	Reynolds - Burr Oak 345 kV Line	Solar	278	278	NRIS	$47,992,163.47
J2354	Crivitz	Solar	65	65	NRIS	$7,158,739.93
J2355	A Tap on 4JERSEYVL-4ROODHSE	Solar	70	70	NRIS	$44,247,881.94
J2357	Thibodaux 230 kV Substation	Battery Storage	200	200	NRIS	$111,929,101.29
J2358	Other_	Solar	113.98	113.98	NRIS	$74,331,160.76
J2359	Mannsdale - Catlett 230 kV	Battery Storage	58.5	58.5	NRIS	$50,094,813.36
J2360	TH Pfizer Jct. - Worthington (HED)	Battery Storage	90	90	NRIS	$67,322,281.22
J2362	VEEDERSBURG WEST 230kV Substation	Battery Storage	100	100	NRIS	$123,536,603.34
J2363	Marshalltown-Laurel 161kV	Wind	226	226	NRIS	$34,787,441.12
J2365	Werner West - Rocky Run 345kV	Battery Storage	115	115	NRIS	$27,956,650.62
J2366	Werner West - Rocky Run 345kV	Solar	160	160	NRIS	$30,626,472.13
J2367	Ellendale 345kV SS	Wind	250	250	NRIS	$219,498,960.06
J2368	Ellendale 345kV SS	Wind	250	250	NRIS	$226,104,529.88
J2369	Madison-Orient 345kV	Wind	300	300	NRIS	$28,218,637.00
J2370	Bolton - Raymond Calpine 115 kV	Solar	100	80	NRIS	$81,552,053.81
J2371	Dunn - Oak Ridge 115 kV	Solar	250	250	NRIS	$225,094,505.93
J2374	GREENWOOD - RAPSON (BANNER) 345.0kV	Solar	200	200	NRIS	$138,667,810.01
J2375	Faraday	Battery Storage	100	100	NRIS	$19,853,885.34
J2376	4PANA-4SHELBYVL 138kV	Battery Storage	60	60	NRIS	$21,233,165.36
J2377	7CLINTON - 7BROKAW 345.0kV	Battery Storage	300	300	NRIS	$17,051,994.29
J2378	Lenox - St. Clair 120 kV line	Battery Storage	190	190	NRIS	$57,618,016.23
J2379	Xenia 345kV Substation	Battery Storage	200	200	NRIS	$89,218,822.82
J2380	Meade County 161kV Substation	Battery Storage	100	100	NRIS	$68,366,515.80
J2381	DOWNSVILLE- RUSTON EAST (LAGEN) 115 kV	Solar	200	200	NRIS	$171,673,737.79
J2382	5ADAIR - 5THMHIL (AECI) 161 kV	Hybrid	115	115	NRIS	$38,041,068.77
J2383	Faraday	Battery Storage	100	100	NRIS	$19,851,267.16
J2384	4PANA-4SHELBYVL 138kV	Solar	125	125	NRIS	$36,358,745.75
J2385	SWARTZ 115 KV	Solar	179	179	NRIS	$134,523,665.74
J2386	Marked Tree 161 kV	Solar	300	300	NRIS	$179,069,425.07
J2387	Stoddard 161 kV Substation	Solar	50	50	NRIS	$90,928,406.70
J2388	Faraday 345kV	Hybrid	200	200	NRIS	$39,844,880.21
J2389	Monument 138kV	Hybrid	150	150	NRIS	$31,800,793.28
J2390	Ipava 138kV	Hybrid	350	350	NRIS	$92,299,718.51
J2391	Webb 115 kV	Solar	100	100	NRIS	$79,132,267.84
J2392	PERE MARQUETTE 138 KV	Battery Storage	100	100	NRIS	$19,287,532.23

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2393	Kansas West Substation 138kV	Solar	164	164	NRIS	$27,634,258.95
J2395	Sheridan EHV - El Dorado EHV 500 kV	Solar	500	0	ERIS	$111,043,505.74
J2396	SHERIDAN EHV - EL DORADO EHV 500 kV (851.1)	Solar	400	0	ERIS	$92,052,248.41
J2397	SHERIDAN EHV - EL DORADO EHV 500 kV (851.1)	Hybrid	160	0	ERIS	$52,657,348.35
J2400	Sailes Substation 115kV	Solar	120	0	ERIS	$60,073,693.51
J2401	7E W FKFT - 7SHAWNEE FP (TVA) 345kV	Solar	150	0	ERIS	$12,842,954.66
J2402	7E W FKFT - 7SHAWNEE FP (TVA) 345kV	Battery Storage	200	0	ERIS	$14,369,699.46
J2403	Jordan - Massac 345 kV (Future Line: MTEP ID - 11925)	Solar	200	0	ERIS	$27,748,812.13
J2404	EAST	Battery Storage	38.807	38.807	NRIS	$21,322,668.38
J2405	Peters Road 230 kV substation	Battery Storage	200	200	NRIS	$77,069,068.46
J2406	Pickens - Canton 230 kV	Solar	200	200	NRIS	$134,362,463.20
J2407	Dresser-Merom (HED) 345kV line break	Solar	198	198	NRIS	$68,724,069.50
J2409	INDEPENDENCE-ISES 500kV Substation	Battery Storage	150	150	NRIS	$63,003,670.13
J2410	Pony Creek-Rolling Hills Wind 345kV	Wind	300	300	NRIS	$28,038,453.12
J2411	Red River-Mansfield 138kV	Solar	80	80	NRIS	$79,408,883.80
J2413	Hoopeston West 138kV	Battery Storage	150	150	NRIS	$73,488,501.49
J2414	Hoopeston 138kV	Solar	150	150	NRIS	$72,989,797.01
J2415	Richard 138kV	Battery Storage	75	75	NRIS	$61,638,402.31
J2416	North Rochester-Briggs Road 345kV	Battery Storage	125	125	NRIS	$26,213,746.51
J2417	North Rochester-Briggs Road 345kV	Solar	300	300	NRIS	$44,585,594.63
J2418	Burr Oak 138kV	Battery Storage	140	140	NRIS	$53,683,378.53
J2419	Huntley 345kV	Battery Storage	300	300	NRIS	$71,052,968.56
J2420	Huntley 345kV	Solar	95	95	NRIS	$22,219,617.58
J2421	Greensboro-Gwynneville 345kV	Battery Storage	200	200	NRIS	$31,956,570.75
J2423	Columbia-North Madison 345kV	Battery Storage	300	300	NRIS	$11,152,500.00
J2424	Manuel 138kV	Battery Storage	100	100	NRIS	$100,668,801.88
J2425	7ENON - 7MONTGMRY 345kV	Solar	150	150	NRIS	$62,608,401.73
J2426	Kinmundy 138kV	Battery Storage	200	200	NRIS	$80,292,171.44
J2427	Kinmundy 138kV	Solar	200	200	NRIS	$79,807,695.31
J2429	North Madison 69kV Substation	Solar	50	50	NRIS	$1,412,781.10
J2431	West Memphis-Genpower Keo 500kV Line Break (located at "CH	Battery Storage	150	150	NRIS	$44,043,514.80
J2432	Lula-Tunica 115kV	Solar	150	150	NRIS	$112,184,432.22
J2434	Hoopeston West 138kV	Wind	150	150	NRIS	$74,556,089.90
J2435	Webster-Wright 161kV	Wind	150	150	NRIS	$25,652,766.34
J2436	Webster-Lehigh 345kV	Wind	300	300	NRIS	$37,759,189.13
J2437	AECC AUBREY to BRINKLEY EAST 230kV	Wind	250	250	NRIS	$134,624,460.30
J2439	Gardner Park-Stone Lake 345kV	Battery Storage	50	50	NRIS	$22,975,511.10
J2440	GOODLAND to MORRISON DITCH 138kV	Wind	100	100	NRIS	$47,329,443.99
J2441	West Bay - Centennial 138 kV	Solar	250	250	NRIS	$220,227,781.95
J2442	Batesville 138 kV	Solar	84	84	NRIS	$27,833,674.35
J2443	Leesburg 345 kV	Battery Storage	500	500	NRIS	$76,976,633.10
J2444	Argenta - Twin Branch 345kV	Solar	300	300	NRIS	$46,882,433.37
J2446	Allen S King 345kV - Eau Claire 345 kV	Solar	300	300	NRIS	$64,633,331.24
J2447	Lyon County - Cedar Mountain 345kV	Wind	200	200	NRIS	$52,124,154.97
J2448	Haynesville South to Sarepta 115kV	Solar	100	100	NRIS	$91,977,065.06
J2449	Mayflower EHV 500 kV	Battery Storage	200	200	NRIS	$140,984,439.04
J2450	WESTWOOD 345 KV	Battery Storage	100	100	NRIS	$15,595,974.32
J2451	Gerald Andrus SES Switchyard-Lake Village Bagby 230 Kv	Solar	200	200	NRIS	$231,485,545.48
J2452	Sheridan EHV- EL Dorado EHV 500 Kv	Solar	500	500	NRIS	$307,584,187.80
J2453	Casey West 345kV	Solar	100	100	NRIS	$24,695,132.05
J2454	Eureka - Vestaburg 138kV	Battery Storage	150	150	NRIS	$124,601,520.01
J2455	French Island 69 kV Substation	Battery Storage	92	92	NRIS	$34,348,174.89
J2456	AECC AUBREY-RITCHIE SES SWITCHYARD 230 KV	Hybrid	100	100	NRIS	$87,855,173.72
J2457	PATERSON	Battery Storage	40	40	NRIS	$15,664,626.75
J2458	Pleasant Hill 500kV Substation	Battery Storage	100	100	NRIS	$96,978,419.73
J2459	White Bluff EHV 500kV	Battery Storage	100	100	NRIS	$47,439,787.06
J2460	White Bluff EHV 500kV	Battery Storage	100	100	NRIS	$47,440,234.96
J2462	Ledyard-Colby 345kV	Battery Storage	200	200	NRIS	$49,677,550.99
J2463	Baldwin	Solar	200	200	NRIS	$44,669,084.58
J2464	Ledyard-Colby 345kV	Solar	200	200	NRIS	$49,230,193.46
J2465	Goose Creek Energy Center to Maroa East 345 kV	Wind	200	200	NRIS	$66,535,708.83
J2466	Hazleton-Mitchell County 345kV line	Wind	130	130	NRIS	$19,819,840.79
J2467	Manuel 138kV	Solar	105	105	NRIS	$99,667,934.48
J2469	Sub K (Tiffin)-Duane Arnold 345kV	Battery Storage	300	300	NRIS	$41,692,781.18
J2470	Donahue-Marksville 138kV	Solar	100	100	NRIS	$109,593,002.37

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2471	Beecher-Cement City 138kV	Solar	100	100	NRIS	$168,851,775.00
J2472	Gibson Sta - Merom (HED) 345.0kV	Battery Storage	200	200	NRIS	$52,822,919.21
J2473	Hanna 138kV	Battery Storage	150	150	NRIS	$28,273,011.96
J2474	4Austin to 4Virden 138kV t-line	Hybrid	100	100	NRIS	$56,515,200.69
J2475	Toll Rd 120kV	Battery Storage	200	200	NRIS	$35,852,256.99
J2476	Otego 138kV	Hybrid	150	150	NRIS	$62,886,142.24
J2477	West Memphis EHV to Keo EHV 500 kV	Solar	600	600	NRIS	$175,126,270.40
J2478	INDEPENDENCE-ISES - POWERLINE ROAD 500.0kV	Solar	700	700	NRIS	$418,970,604.92
J2480	Reid to Daviess County 161 kV	Battery Storage	75	75	NRIS	$89,940,804.48
J2481	Webster-Irvington 345kV	Wind	300	300	NRIS	$45,696,903.49
J2482	West Memphis EHV to Keo EHV 500 kV	Solar	300	300	NRIS	$111,266,507.79
J2484	Seville TP-Niles TP 120 kV	Solar	100	100	NRIS	$52,661,260.97
J2485	Madrid - Blackfoot 345kV	Solar	200	200	NRIS	$12,436,400.06
J2486	Monroe-Lallendorf 345kV Transmission Line	Solar	200	200	NRIS	$24,881,371.41
J2490	Tuscola-Arrowhead 120kV Transmission Line	Solar	125	125	NRIS	$42,039,564.97
J2491	Edenville - Price Rd. Jct 138 kV	Solar	100	100	NRIS	$40,332,774.15
J2492	Wahpeton 230kV	Battery Storage	300	300	NRIS	$150,683,988.21
J2493	Gallagher - Tittabawassee 345 kV	Solar	184	184	NRIS	$129,866,587.70
J2495	Benton County 115 kV	Solar	100	100	NRIS	$53,376,273.45
J2496	Reynolds 345 kV Substation	Battery Storage	400	400	NRIS	$28,210,674.47
J2497	West Mt. Vernon	Battery Storage	300	300	NRIS	$84,402,032.43
J2499	Blendon 138 kV	Battery Storage	100	100	NRIS	$12,089,444.38
J2500	Bon Wier to Cooper 138 kV	Battery Storage	175	175	NRIS	$188,102,105.34
J2501	North Rochester 345 kV	Solar	150	150	NRIS	$145,738,947.47
J2502	Square Butte East 230 kV	Wind	200	200	NRIS	$178,357,695.06
J2505	Bon Wier to Cooper 138 kV	Solar	250	250	NRIS	$321,509,077.98
J2506	5BOLSTAD 161kV Substation	Battery Storage	100	100	NRIS	$22,405,303.04
J2507	Gibson Sta to Petersburg (IP&L) 345 kV	Solar	250	250	NRIS	$114,107,948.85
J2508	El Dorado Ehv - Sarepta 345kV	Solar	300	300	NRIS	$243,099,660.89
J2509	Westwood 345 kV	Wind	200	200	NRIS	$16,321,915.90
J2510	Stuttgart Rcuskey - Woodward 230kV	Solar	350	350	NRIS	$248,522,773.03
J2511	Pleasant Hill 500kV Substation	Solar	85	85	NRIS	$82,825,276.90
J2512	Leesburg 345 kV	Solar	173	173	NRIS	$28,940,710.46
J2513	Wabash River-Whitesville South 230 kV	Solar	220	220	NRIS	$259,364,358.79
J2514	Gibson Sta to Petersburg (IP&L) 345 kV	Battery Storage	100	100	NRIS	$63,040,842.88
J2515	White Bluff EHV 500kV	Solar	300	300	NRIS	$117,467,020.39
J2516	White Bluff EHV 500kV	Solar	300	300	NRIS	$117,592,822.24
J2518	Jamestown 345 kV	Battery Storage	200	200	NRIS	$95,088,428.37
J2519	BAXTER WILSON SES SWYD - PERRYVILLE 500 500 kV (181.1,503	Solar	600	600	NRIS	$757,555,813.74
J2520	Saratoga-ACEC Badger West 138kV	Solar	200	200	NRIS	$46,820,998.31
J2523	INDEPENDENCE-ISES 500kV Substation	Solar	250	250	NRIS	$90,151,998.73
J2524	5STODDARD - 5MORLEY (AECI) 161kV	Solar	200	200	NRIS	$140,045,142.98
J2526	Western Kraft-Layfield 230 kV	Solar	200	200	NRIS	$194,481,298.19
J2529	Cocodrie - Hineston 230kV line	Solar	200	200	NRIS	$191,848,948.74
J2530	Thorntown to Kokomo HP 230 kV	Battery Storage	170	170	NRIS	$113,322,120.78
J2532	Latham 345 kV	Battery Storage	200	200	NRIS	$35,070,067.23
J2533	Bernice - Vienna 115 kV	Solar	100	100	NRIS	$87,261,529.75
J2534	Pere Marquette 138 KV	Solar	100	100	NRIS	$18,614,034.80
J2535	Cooper - Leesville 138 kV	Battery Storage	210	210	NRIS	$259,951,754.41
J2536	Fox River - Ottawa 138kV	Battery Storage	200	200	NRIS	$38,321,261.82
J2537	Highway 22 345 kV Substation	Battery Storage	100	100	NRIS	$10,478,756.08
J2538	Speed - Trimble (LGEE) 345kV	Solar	200	200	NRIS	$72,399,539.24
J2539	Trimble (LGEE) - Speed 345 kV	Solar	150	150	NRIS	$57,339,417.90
J2540	Bryan Road	Solar	150	150	NRIS	$32,769,375.77
J2541	Bryan Road	Solar	50	50	NRIS	$14,183,832.44
J2543	West Bay - Centennial 138 kV	Battery Storage	175	175	NRIS	$162,610,697.40
J2544	Highway 22 345 kV Substation	Solar	95	95	NRIS	$9,894,814.04
J2545	Duane Arnold 345 kV	Battery Storage	200	200	NRIS	$22,673,853.06
J2546	Astoria 345kV	Wind	185	185	NRIS	$48,646,781.72
J2547	McCracken co sub to Bryan rd sub 161kV	Solar	150	150	NRIS	$54,255,576.61
J2548	McCracken County Sub to Bryan Rd Sub 161kV	Battery Storage	75	75	NRIS	$33,614,636.02
J2550	Hazel Creek 345kV Substation	Battery Storage	75	75	NRIS	$27,034,599.52
J2551	Putnam 138kV Substation, MTEP20 Project ID 13709	Battery Storage	110	110	NRIS	$16,233,241.97
J2552	Cordova to Sub 39 345kV line	Battery Storage	80	80	NRIS	$12,717,525.34
J2553	Killdeer	Solar	250	250	NRIS	$47,605,756.32

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2554	Putnam 138kV Substation, MTEP20 Project ID 13709	Solar	220	220	NRIS	$24,533,802.92
J2555	DELHI to TOMPKINS 138kV	Battery Storage	100	100	NRIS	$4,217,291.76
J2556	Cordova to Sub 39 345kV line	Solar	300	300	NRIS	$15,984,139.87
J2557	Arpin 345kV	Battery Storage	100	100	NRIS	$10,512,053.20
J2559	Arpin 345kV	Solar	200	200	NRIS	$16,836,813.30
J2560	Cleveland South - Indianola 115kV	Solar	130	130	NRIS	$108,300,521.17
J2561	Hazel Creek 345kV Substation	Solar	153	153	NRIS	$40,507,119.31
J2562	Dewitt - Deluce	Solar	80	80	NRIS	$82,341,279.82
J2563	crandal	Wind	200	200	NRIS	$38,509,565.67
J2564	138kV Crawfordsville	Hybrid	18.9	18.9	NRIS	$158,388,730.13
J2565	4GILMAN-4PAXTON E 138kV	Solar	265	265	NRIS	$83,767,462.03
J2566	Gibson Sta - Bedford 345 345.0kV	Solar	200	200	NRIS	$51,045,703.57
J2567	KENOWA	Battery Storage	240	240	NRIS	$39,555,756.70
J2569	Arrowhead 115 kV Substation	Battery Storage	300	300	NRIS	$137,577,427.49
J2570	Thibodaux 230 kV Substation	Battery Storage	200	200	NRIS	$108,382,740.64
J2571	New J866 Substation (Batesville - Robert E. Ritchie 230 kV line)	Wind	180	180	NRIS	$67,413,754.92
J2572	Noblesville STA - Hortonsville 345 kV line	Battery Storage	200	200	NRIS	$61,752,380.52
J2573	Gallagher to Bedford 138kV Line	Solar	200	200	NRIS	$123,814,861.94
J2574	STUTTGART RICUSKEY - WOODWARD 230 SUB 230.0kV	Hybrid	172	172	NRIS	$149,100,194.28
J2575	Cincinnati 138 kV Substation	Battery Storage	198	198	NRIS	$35,998,915.68
J2576	Denmark 161kV - Newport 161kV	Wind	164.1	164.1	NRIS	$45,212,651.26
J2577	Parkin 161kV	Wind	260	260	NRIS	$82,081,992.41
J2578	Thetford (Atlanta) - Karn 138kV	Solar	240	240	NRIS	$23,694,596.83
J2580	Montgomery to Winnfield 230 kV	Solar	100	100	NRIS	$81,469,695.87
J2581	Batesville 138kV Substation	Battery Storage	250	250	NRIS	$46,636,727.88
J2582	Speed 138 kV substation	Battery Storage	100	100	NRIS	$29,388,773.49
J2583	Battle Creek - Island Road 138 kV Line	Solar	50	50	NRIS	$15,883,257.13
J2586	SPEED 345	Battery Storage	200	200	NRIS	$61,991,124.24
J2587	Sugar Creek - Cayuga 345 kV Transmission Line	Battery Storage	200	200	NRIS	$85,296,714.14
J2588	Tompkins - Vrooman 138 kV Line	Battery Storage	120	120	NRIS	$32,022,797.12
J2589	Tompkins - Vrooman 138 kV line	Battery Storage	150	150	NRIS	$53,523,003.43
J2590	Stein - Rapson 345 kV line	Battery Storage	500	500	NRIS	$70,035,425.67
J2591	WOLF CREEK 500 kV	High Voltage DC	500	500	External NRIS	$447,017,553.51
J2592	Thetford (Atlanta) - Karn 138 kV line	Battery Storage	50	50	NRIS	$14,707,858.87
J2593	Bland 138 kV Substation	Hybrid	140	140	NRIS	$61,288,023.90
J2594	Ray Braswell 230 kV	Solar	650	650	NRIS	$390,883,947.27
J2598	Adams to Hayward 161 kV Tap	Solar	198	198	NRIS	$109,551,260.05
J2599	Lyon County 345kV Substation	Solar	216	216	NRIS	$44,910,481.37
J2600	Wabaco to Alma 161 kV Tap	Solar	245	245	NRIS	$179,583,141.16
J2601	North Rochester - Briggs Road 345.0kV	Battery Storage	200	200	NRIS	$46,584,494.49
J2602	Twinkletown 230 kV	Solar	250	250	NRIS	$114,448,142.83
J2603	Havana-Shockey 138 kV	Solar	320	320	NRIS	$208,077,258.97
J2604	South Centralia 138 kV	Solar	100	100	NRIS	$32,878,439.19
J2605	ALEXANDRIA 345 KV	Wind	339	339	NRIS	$139,387,126.50
J2606	Alexandria 345kV	Battery Storage	361	361	NRIS	$112,673,194.22
J2607	Redhawk 138 kV - MTEP Project (17976)	Battery Storage	200	200	NRIS	$45,710,721.96
J2608	Hancock 161kV Substation	Solar	160	160	NRIS	$163,408,304.92
J2609	Sand Lake 138kV Sub	Solar	80	80	NRIS	$14,421,814.34
J2610	4GREENVIL to 4HOOKDALE 138kV	Solar	150	150	NRIS	$61,979,693.43
J2611	IOSCO - SPRUCE ROAD 138.0kV	Solar	215	215	NRIS	$453,119,032.70
J2612	Flora 115kV Substation	Solar	150	150	NRIS	$93,151,268.22
J2613	Independent - Holland Bottom 500kV	Wind	300	300	NRIS	$135,317,488.94
J2614	Oak Grove 161 kV	Wind	200	200	NRIS	$9,353,013.72
J2615	FB Culley to Dubois Transmission Line	Hybrid	145	145	NRIS	$57,681,001.89
J2616	Scanlan (Cajun) to Bosco SS 138 kV line	Hybrid	100	100	NRIS	$82,343,429.32
J2617	Palisades to Argenta 345 kV	Hybrid	240	240	NRIS	$34,247,529.33
J2618	Lenox 120kV	Battery Storage	100	100	NRIS	$7,515,845.66
J2619	Kenowa to Nelson Rd. 345kV	Hybrid	140	140	NRIS	$33,485,321.04
J2620	Bearden to Camden North 115 kV	Solar	164	164	NRIS	$185,761,958.35
J2621	Pine Lake 161 kV Substation	Battery Storage	115	115	NRIS	$27,547,861.35
J2622	Wilmar to Monticello South 115 kV	Solar	107	107	NRIS	$87,409,819.65
J2623	H.S. EHV to Friendship 115 kV	Solar	125	125	NRIS	$119,774,815.88
J2625	Maywood 345kV	Hybrid	100	100	NRIS	$29,560,345.91
J2626	345kV Commodore to Jordan	Solar	300	300	NRIS	$90,855,212.41
J2627	East Quincy	Battery Storage	150	150	NRIS	$37,330,945.20

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2628	Rapson 345 kV	Battery Storage	250	250	NRIS	$54,996,089.52
J2629	Leach to Newton Bulk 138 kV Line	Solar	175	175	NRIS	$158,636,759.22
J2630	Des Arc to Cotton Plant 115 kV	Solar	100	100	NRIS	$94,549,559.89
J2631	Stuttgart Ricuskey- Tarleton 230 KV	Solar	250	250	NRIS	$214,069,223.72
J2632	Sarpeta to Minden 115 kV	Solar	100	100	NRIS	$96,020,952.02
J2634	CAMDEN MAGUIRE - SMACKOVER 115.0kV	Solar	131.1	131.1	NRIS	$106,337,130.09
J2639	AECC HERMITAGE SOUTH - HILO 115.0kV	Solar	105.8	105.8	NRIS	$85,416,983.15
J2640	SHERIDAN EHV - EL DORADO EHV 500.0kV	Solar	394.5	394.5	NRIS	$258,611,426.02
J2641	New Port 161kV	Wind	200	200	NRIS	$65,996,157.64
J2642	Bogalusa 115 kV - Dexter 115 kV	Battery Storage	50	50	NRIS	$60,787,398.41
J2643	Bogslusa 115 kV - Dexter 115 kV	Solar	150	150	NRIS	$150,795,660.26
J2644	EUDORA - CHICKASAW (LAGEN) 115.0kV	Solar	90	90	NRIS	$88,707,620.38
J2645	4PREST - 4BALDWIN 138 kV	Solar	199	199	NRIS	$61,062,916.09
J2646	REESE 115 - TRUSSELS CROSSING (LAGEN)	Battery Storage	130	130	NRIS	$139,363,465.60
J2647	West Frankfort East 345 kV (7E W FKFT)	Battery Storage	300	300	NRIS	$42,616,115.22
J2648	Sidney 138 kV	Hybrid	135	135	NRIS	$19,293,108.70
J2651	Colfel - Moler 230 kV line	Solar	160	160	NRIS	$84,370,526.12
J2652	Rosemount - Nininger (GRE) 115 kV line	Battery Storage	197	197	NRIS	$110,344,980.43
J2653	Army Post 161kV Substation	Battery Storage	170	170	NRIS	$4,717,737.62
J2654	Tap on Frankfort - New London 230 kV Line	Wind	180	0	ERIS	$31,310,231.05
J2655	Army Post 161 kV Substation	Battery Storage	170	170	NRIS	$4,725,554.26
J2656	4LATHAM-4N DEC E 138 kV	Solar	180	180	NRIS	$44,932,082.09
J2657	Reynolds - Burr Oak 345 kV Line	Battery Storage	200	200	NRIS	$41,867,794.26
J2659	Turner Switchyard Substation 345 kV	Solar	150	150	NRIS	$44,545,422.66
J2661	7Xenia- 7MT Vrnon 345 KV	Solar	200	200	NRIS	$97,419,459.26
J2662	7CASEY-7NEWTON 345kV	Solar	395	395	NRIS	$154,715,585.60
J2663	Reynolds - Burr Oak 345 kV Line	Battery Storage	200	200	NRIS	$41,868,010.40
J2664	Cayuga Sta - Nucor 345 kV line	Solar	200	200	NRIS	$110,107,848.70
J2665	Coyote Switchyard 345kV Substation	Hybrid	347	347	NRIS	$318,742,897.16
J2666	Brick Church 138 kV	Solar	100	100	NRIS	$6,667,305.06
J2667	Greenwood-Rapson 345 kV Transmission Line	Solar	200	200	NRIS	$153,222,889.92
J2668	Lake County to Pere Marquette 138 kV	Solar	225	225	NRIS	$73,879,106.30
J2669	Lake County to Pere Marquette 138 kV	Solar	140	140	NRIS	$47,289,881.34
J2670	Ludington to Keystone 345 kV	Solar	223	223	NRIS	$68,759,582.15
J2671	Whittemore to Twining 138 kV	Solar	150	150	NRIS	$104,284,561.82
J2672	Cornell to Bingham 138 kV	Solar	200	200	NRIS	$88,033,731.12
J2673	Bard Rd to Warren 138 kV	Solar	225	225	NRIS	$93,195,012.79
J2674	Bingham to Marquette 138 kV	Solar	200	200	NRIS	$59,068,508.89
J2675	BARD ROAD - GALLAGHER 138 KV	Solar	170	170	NRIS	$154,010,464.31
J2676	Rapson -Stein 345kV	Solar	200	200	NRIS	$35,401,685.17
J2677	Greenwood 120 kV	Solar	200	200	NRIS	$28,125,118.50
J2678	Chandler 138 kV	Solar	150	150	NRIS	$12,276,466.58
J2679	COLFAX to Madrid 120 kV	Solar	100	100	NRIS	$23,032,953.96
J2683	New Substation on Rye Co - Cypress 138 kV (Same POI as J2071	Solar	120	120	NRIS	$87,478,324.86
J2684	BUNCE (120kV) (Bus Name: 19BUNCE1)	Battery Storage	200	200	NRIS	$21,318,340.87
J2685	Rolling Fork 115 kV Substation	Solar	120	120	NRIS	$127,605,795.77
J2686	Walcott 345 kV	Wind	150	150	NRIS	$10,869,934.37
J2687	Sunnyside to Gwynneville 345kV line	Hybrid	300	300	NRIS	$24,031,268.00
J2688	NEWTON 138 kV	Hybrid	130	130	NRIS	$151,277,864.10
J2689	JACINTO 230 kV	Hybrid	180	180	NRIS	$92,004,601.59
J2690	Other_	Hybrid	500	500	NRIS	$258,295,981.01
J2691	Rush-Baldwin-4585 345 kV	Hybrid	500	500	NRIS	$98,045,554.74
J2692	WOLF CREEK 500 kV	High Voltage DC	500	500	External NRIS	$440,117,555.03
J2693	115 kV WISNER	Solar	105	105	NRIS	$117,884,008.69
J2694	7COFFEEN-7PANA 345 kV	Hybrid	500	500	NRIS	$130,832,355.78
J2695	Other_	Solar	234	234	NRIS	$97,173,811.08
J2696	SANDY BAYOU 500 kV MTEP Project 22530	Solar	500	500	NRIS	$78,288,635.30
J2697	7ASTER - 7CMDR 345.0kV	Hybrid	500	500	NRIS	$285,579,150.51
J2698	WOLF CREEK 500 kV	High Voltage DC	500	500	External NRIS	$428,888,618.14
J2699	115 kV DARNELL	Solar	58.1	58.1	NRIS	$62,028,746.62
J2700	138 kV LAKE CHARLES BULK	Solar	170	170	NRIS	$138,632,082.69
J2701	COLONIAL WELSH 138	Solar	100	100	NRIS	$102,189,442.93
J2702	Ipava-Macomb, West-1429 138 kV	Solar	100.8	100.8	NRIS	$40,378,083.27
J2703	Meredosia 345 kV	Solar	398	398	NRIS	$71,534,198.22
J2704	BAXTER WILSON SES SWYD - PERRYVILLE 500 500 kV (181.1,503	Solar	500	500	NRIS	$479,360,054.36

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2705	NAPOLEONVILLE 115 kV	Solar	220	220	NRIS	$164,121,886.52
J2706	BAXTER WILSON SES SWYD - PERRYVILLE 500 500 kV (181.1,503	Solar	500	500	NRIS	$479,333,357.89
J2707	PAINCOURTVILLE 115 kV	Solar	165	165	NRIS	$124,050,791.45
J2708	BAXTER WILSON SES SWYD - PERRYVILLE 500 500 kV (181.1,503	Solar	500	500	NRIS	$479,333,357.89
J2710	Mulliken Jct.- Chester 69 kV	Solar	100	100	NRIS	$23,967,711.24
J2711	FLINT LAKE - SOUTH VALPARAISO 138 kV	Solar	122	122	NRIS	$84,648,748.50
J2712	Clinton 230	Solar	75	75	NRIS	$65,087,250.74
J2713	OAK GROVE - MERCER CO (AMRN)	Solar	47.6	47.6	NRIS	$17,275,170.43
J2714	EUNICE 138 kV	Solar	162	162	NRIS	$141,830,450.03
J2715	COLONIAL ACADEMY CO 138 kV	Solar	120	120	NRIS	$108,397,132.26
J2716	HAMPTON 345 KV	Battery Storage	300	300	NRIS	$197,019,508.70
J2718	Other_	Solar	50	50	NRIS	$76,052,578.10
J2719	BARD ROAD 138kV Substation	Solar	200	200	NRIS	$94,144,273.22
J2720	Midway SS (CE) - Yazoo City SS 115 kV	Solar	200	200	NRIS	$179,373,914.48
J2721	Senatobia-Sardis 115 kV Line	Solar	120	120	NRIS	$58,632,484.32
J2722	Tap on Frankfort - New London 230 kV Line	Battery Storage	100	100	NRIS	$76,423,017.21
J2723	EAST WINAMAC-MONTICELLO 138kV	Wind	249	249	NRIS	$76,797,353.92
J2724	7NEOGA-7HOLLAND 345 kV	Battery Storage	300	300	NRIS	$134,190,896.76
J2725	Marquette - North Belding 138kV	Solar	100	100	NRIS	$32,205,335.93
J2726	7Enon- 7Montgmry 345 KV	Solar	248	248	NRIS	$128,024,377.43
J2727	Pickens - Midway SS (CE) 115kV	Hybrid	140	140	NRIS	$142,395,958.67
J2728	Glenworth	Battery Storage	150	150	NRIS	$71,206,533.14
J2729	ADDIS - BIG CAJUN #1 230.0kV	Solar	200	200	NRIS	$125,746,438.86
J2730	Jackson North 161kV Substation	Battery Storage	150	150	NRIS	$15,397,462.73
J2731	Maple Leaf	Battery Storage	150	150	NRIS	$30,403,230.94
J2732	Gallagher to Twinning 138kV	Hybrid	250	250	NRIS	$193,844,233.31
J2733	Swifton - AECC Hoxie South 161kV	Solar	126	126	NRIS	$110,813,895.15
J2734	Gilmore to Wilson 161kV	Hybrid	150	150	NRIS	$78,760,964.33
J2736	Rosedale to Stringtown 115kV	Hybrid	100	100	NRIS	$104,839,174.05
J2737	Hartburg - AEP Layfield 500kV Line	Solar	180	180	NRIS	$470,701,652.32
J2738	SUB 17	Hybrid	128	128	NRIS	$6,326,664.73
J2739	5WLSNBR 161 kV	Solar	100	100	NRIS	$7,711,600.66
J2740	DELTA SWYD - SHELBY SS 115.0kV	Solar	150	150	NRIS	$125,291,467.62
J2741	DELTA SWYD - DREW [MS] 115.0kV	Solar	100	100	NRIS	$104,655,089.27
J2742	BEEBE	Solar	100	100	NRIS	$52,679,054.74
J2743	BOGALUSA	Solar	175	175	NRIS	$149,643,089.35
J2744	CENTREVILLE	Solar	50	50	NRIS	$93,073,723.90
J2745	BELZONI - BELZONI TAP SS 115.0kV	Solar	90	90	NRIS	$95,506,847.72
J2747	Edwardsport IGCC - Amo 345kV Line	Solar	180	180	NRIS	$113,265,328.05
J2748	Wilton - Winger 230.0kV	Solar	150	150	NRIS	$78,829,595.08
J2749	Winger 115kV	Solar	150	150	NRIS	$76,007,376.83
J2750	230kV Ritchie SES Switchyard - Tarleton line	Solar	197.5	197.5	NRIS	$155,879,518.02
J2751	115kV Stringtown substation	Solar	175	175	NRIS	$185,415,101.88
J2752	ELLIOTT SS-SAWYER SS(CE) 115 kv line (New Substation Added)	Solar	130	130	NRIS	$116,872,731.44
J2753	New substation on the 115kV Darnell - Tallulah line	Solar	200	200	NRIS	$173,504,427.46
J2754	138kV Bragg - SHECO Menard Line	Solar	170	170	NRIS	$104,390,057.44
J2755	AMITY SS-AECC MURFREESBORO EAST 115kV	Solar	100	100	NRIS	$113,620,638.72
J2756	Burna Tap(340091) - Joy2(340092) 69 kV	Solar	65	65	NRIS	$40,741,592.14
J2757	Little Sioux - Clipper	Solar	160.3	160.3	NRIS	$156,184,601.14
J2759	Woodward-Ricuskey 230 kV Line	Solar	170	170	NRIS	$143,519,648.29
J2760	BADOURA4 (608610) 230 kV Substation	Hybrid	68	68	NRIS	$26,121,694.50
J2761	Columbia	Solar	100	100	NRIS	$62,421,354.05
J2763	CLEVELAND/SOUTH - STEINER (CE) 115.0kV	Hybrid	100	100	NRIS	$88,602,153.85
J2764	Jonesboro (APL) - Cash 161 KV"	Hybrid	150	150	NRIS	$67,469,000.08
J2765	Darnell 115 kV	Hybrid	100	100	NRIS	$97,673,004.58
J2766	Other_	Battery Storage	400	400	NRIS	$158,416,131.76
J2767	Hightower - Rye 138kV	Solar	200	200	NRIS	$149,179,502.86
J2768	Shelby SS - Roundaway SS (CE) 115 kV Line	Solar	120	120	NRIS	$112,754,990.40
J2769	Amite - Gillsburg Tap 115 kV	Solar	200	200	NRIS	$266,594,152.69
J2770	Colfax-Montgomery (EES) 230 kV Line	Solar	125	125	NRIS	$131,977,012.35
J2771	6CROSSROADS! (337100) - 6MOONLAKE% (337107) 230 kV	Hybrid	100	100	NRIS	$72,911,236.03
J2772	Coyote Switchyard 345 kV Substation	Hybrid	200	200	NRIS	$190,138,031.84
J2773	Newport - Fisher 161 kV Line	Hybrid	100	100	NRIS	$62,864,409.36
J2774	Other_	Solar	200	200	NRIS	$119,023,940.14
J2775	Other_	Battery Storage	125	125	NRIS	$72,603,862.78

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2778	Deedsville-North Manchester Switching Sta 69kV (Circuit Numbe	Hybrid	15	15	NRIS	$64,477,135.07
J2779	Lafayette-Bo Middlefork 69kV Line (Circuit 6909)	Hybrid	40	40	NRIS	$74,021,795.66
J2780	STARKE (Actual POI is on ASPHALTUM to MEDARYVILLE 69kV Cir	Hybrid	33	33	NRIS	$21,322,221.51
J2781	MONTICELLO 69kV (acutal POI is at the MILROY 69kV Substatior	Hybrid	38	38	NRIS	$13,663,647.08
J2782	KENTLAND-MOROCCO 69kV	Hybrid	38	38	NRIS	$22,362,773.38
J2783	Monticello 69kV (Acutal POI is a tap on GUERNSEY - Monon Circ	Hybrid	33	33	NRIS	$12,883,826.18
J2784	Turner 345kv Substation	Wind	200	200	NRIS	$59,758,010.41
J2785	El Dorado - Sheridan 500 kV	Solar	500	500	NRIS	$292,111,648.12
J2786	ARGENTA - TALLMADGE 345.0kV	Hybrid	189.25	189.25	NRIS	$26,205,461.62
J2788	Dayton 120kV Substation	Battery Storage	100	100	NRIS	$23,917,084.07
J2791	Doc Bonin 69kV	Gas	243.1	243.1	NRIS	$119,181,701.15
J2793	Muddy 138 kV Substation	Solar	250	250	NRIS	$41,263,830.78
J2794	A Tap on Kinmundy-Otego 138kv line	Solar	90	0	ERIS	$25,376,237.88
J2795	DOWNSVILLE	Solar	100	100	NRIS	$79,313,851.78
J2796	Newport Ab-Cash 161kV	Solar	250	250	NRIS	$141,339,190.81
J2797	7NORRIS 345kV	Hybrid	150	150	NRIS	$45,759,787.73
J2799	Argenta-Palisades 345 kV	Battery Storage	200	200	NRIS	$32,190,760.78
J2800	EL DORADO EHV - SAREPTA 345/115KV SW STA 345kV	Solar	200	200	NRIS	$177,204,085.17
J2801	AECC Hunter North-McCrory 161 kV	Solar	130	130	NRIS	$104,675,822.35
J2803	Winona (3WINONA! 337060) - Carrollton (3CARROLLTON+ 337	Hybrid	150	150	NRIS	$138,976,604.29
J2804	Oak Grove - Galion 115kV Tap	Hybrid	100	100	NRIS	$103,529,841.11
J2805	VEEDERSBURG WEST 230 Substation	Solar	200	200	NRIS	$126,201,472.01
J2806	Warrenton 161kV Substation	Solar	200	200	NRIS	$73,276,975.28
J2808	Ramsey East 138 sub (co-located with Dressor and Switchgrass)	Solar	100	100	NRIS	$37,367,151.69
J2809	4GILMAN - 4PAXTON E 138 kV	Solar	133	133	NRIS	$48,993,676.44
J2811	Killdeer 345kV	Solar	250	250	NRIS	$44,684,910.25
J2812	Moore Road 138kV Sub	Solar	150	150	NRIS	$199,143,357.61
J2814	Argenta Morrow 138 kV	Solar	220	220	NRIS	$36,186,598.69
J2815	Argenta - Verona 138kV Line	Solar	140	140	NRIS	$31,314,247.70
J2816	Rilla (Endpoint A) - Riverton (Endpoint B)	Solar	100	100	NRIS	$88,631,300.73
J2817	Batiste Creek 230kV Substation	Solar	120	120	NRIS	$61,082,875.56
J2818	AECC CAMDEN SOUTH - STEPHENS 115kV	Hybrid	130	130	NRIS	$102,366,691.24
J2819	Carroll (CLECO) - Ringgold 138 kV	Hybrid	80	80	NRIS	$81,406,440.24
J2820	Bon Harbor Tap-Stanley Tap 69kv	Hybrid	35	35	NRIS	$46,169,731.20
J2821	Sullivan - Marion Jct 69 kV	Hybrid	30	30	NRIS	$93,316,009.24
J2822	Palisades - Vergennes 345 kV	Battery Storage	250	250	NRIS	$31,828,528.79
J2823	Madison West 138kV Substation	Battery Storage	200	200	NRIS	$234,677,387.01
J2824	Picken - Midway SS (CE) 115 kV	Hybrid	70	70	NRIS	$77,612,816.36
J2825	COMO - CRENSHAW 115kV	Hybrid	100	100	NRIS	$69,968,634.97
J2826	Worthington (07WORTH) - Sandborn Primary (07SAND61) 161k	Hybrid	200	200	NRIS	$134,663,521.29
J2827	Norrell 230kV Substation	Hybrid	200	200	NRIS	$200,031,566.35
J2828	L.R. 145th St - Wrightsville 115kV	Hybrid	50	50	NRIS	$33,697,779.39
J2829	Scottsburg - Speed 69kV	Hybrid	30	30	NRIS	$18,171,245.76
J2830	Brewersville - Dabney 69kV	Hybrid	50	50	NRIS	$35,621,417.42
J2831	Colfax-Rodemacher 230 kV	Hydro	36	36	NRIS	$64,627,107.24
J2832	Darnell - Tallulah 115 kV	Hybrid	110	110	NRIS	$103,773,661.92
J2833	Sigel - Auburndale Tap (Y-107) 69kV	Hybrid	40	40	NRIS	$28,697,548.30
J2834	South Fond du Lac - North Fond du Lac 69kV	Hybrid	50	50	NRIS	$19,163,069.35
J2835	Madison - Scottsburg 138kV	Hybrid	50	50	NRIS	$53,936,548.36
J2836	Burna Tap-Burna 69kv	Hybrid	45	45	NRIS	$130,526,980.98
J2837	North Vernon - Madison 138 kV	Hybrid	50	50	NRIS	$54,519,672.83
J2838	Dunn - Oak Ridge (LA) 115kV	Hybrid	150	150	NRIS	$136,711,305.08
J2839	Donaldsonville to Evergreen 230 kV line	Solar	200	200	NRIS	$94,647,440.55
J2840	Byron 161 kV	Battery Storage	200	200	NRIS	$39,731,815.94
J2841	Independent - Holland Bottom 500kV	Wind	500	500	NRIS	$198,119,508.54
J2843	Qualitech 345kV - Amo 345kV	Wind	110	110	NRIS	$87,767,810.77
J2844	AB Brown 345 - Reid EHV (BREC Terminal)	Battery Storage	200	200	NRIS	$82,011,395.08
J2845	Hayward - Adams 161kV line	Solar	200	200	NRIS	$119,531,133.29
J2846	Reynolds--Burr Oak 345kV line	Solar	700	700	NRIS	$150,378,852.59
J2847	Reynolds--Burr Oak 345kV Line	Solar	180	180	NRIS	$51,532,581.80
J2848	Noblesville--Fall Creek 345kV	Solar	200	200	NRIS	$32,534,374.39
J2849	Reynolds--Burr Oak 345kV line	Solar	245	245	NRIS	$40,646,173.85
J2850	Bagby to Gerald Andrus 230 kV	Solar	250	250	NRIS	$273,400,403.48
J2852	Browns Valley 230kV Substation	Battery Storage	200	200	NRIS	$88,324,403.84
J2853	Westchester 138 kV station - PSSE bus 343513	Battery Storage	100	100	NRIS	$41,519,220.64

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2854	Griffithville - SERCY Price 115 kV	Hybrid	150	150	NRIS	$92,873,097.73
J2855	Bedford - Edwardsport 138 kV line	Hybrid	100	100	NRIS	$69,181,930.05
J2856	Franklin EHV - Grand Gulf Transmission 500 kV	Hybrid	500	500	NRIS	$429,220,628.46
J2857	Banks SS (CE) - Hambrick SS (CE) 115 kV	Hybrid	150	150	NRIS	$94,729,101.61
J2858	Bayou Cove - Richard 138 kV circuit 2	Solar	110	110	NRIS	$108,560,480.31
J2859	AECC KEO-BAUCUM 115 kV	Solar	125	125	NRIS	$119,256,561.68
J2860	Roy S Nelson - DeRidder Mill 138 kV	Solar	200	200	NRIS	$166,518,947.27
J2861	Rochester 161kV (A) to Adams 161kV (B)	Solar	147	147	NRIS	$78,073,264.14
J2863	Beaver Creek to Rice 161kV	Solar	125	125	NRIS	$222,891,561.81
J2864	McNeil EHV to Etta EHV 500kV	Solar	375	375	NRIS	$206,735,202.15
J2865	El Dorado EHV - McNeil EHV 500kV	Solar	375	375	NRIS	$235,510,016.14
J2866	McNeil 500kV (A) to Etta 500kV (B)	Solar	375	375	NRIS	$206,881,329.55
J2867	Lake City (A) to Zumbro Falls (B)	Solar	50	50	NRIS	$11,708,817.15
J2868	Alma Center- Merrillan (DCP) 69 KV	Solar	46.2	46.2	NRIS	$18,825,195.34
J2869	GERALDANDRUS SES SWITCHYARD-INDIANOLA 230 KV	Hybrid	150	150	NRIS	$135,677,909.15
J2870	Stone Lake 345kV	Solar	243.6	243.6	NRIS	$32,771,888.86
J2871	AECC Dell to Nucor-Yamato 161 kV Switching Station	Hybrid	70	70	NRIS	$26,720,372.11
J2872	Hampton 345kV	Battery Storage	150	150	NRIS	$100,107,958.55
J2873	Magee - White Oak 161kV	Solar	200	200	NRIS	$138,753,335.83
J2874	METC Hampton 345 kV	Solar	85	85	NRIS	$14,552,349.73
J2875	Port Calcite- Rockport 138 KV	Solar	150	150	NRIS	$572,057,287.47
J2876	Whittemore to Twining 138 kV	Solar	175	175	NRIS	$128,048,213.15
J2877	Murphy-Tittabawassee 345kV Transmission Line	Solar	200	200	NRIS	$62,831,412.91
J2878	Greenwood-Rapson 345kV Transmission Line	Solar	200	200	NRIS	$54,755,333.29
J2879	Chemolite 115 kV Substation	Battery Storage	80	80	NRIS	$30,798,192.94
J2880	STUTTGART RICUSKEY - WOODWARD 230 SUB 230.0kV	Hybrid	150	150	NRIS	$120,830,117.72
J2881	AECC PINEBERGEN - AECC GLENDALE 115.0kV	Solar	125	125	NRIS	$76,918,401.88
J2882	Cooper-Penton Road 230kV	Hybrid	410	410	NRIS	$391,278,328.30
J2883	Coyote Switchyard 345kV Substation	Hybrid	347	347	NRIS	$318,742,921.90
J2884	Cooper to Penton Road 230kV	Hybrid	276	276	NRIS	$282,761,047.64
J2885	Plummer Pipe	Solar	130	130	NRIS	$52,038,469.76
J2886	4Auburn N-4Jacksnvl 138kV	Hybrid	115	115	NRIS	$60,497,435.84
J2887	Magee 161kV - White Oak 161kV	Battery Storage	50	50	NRIS	$34,587,350.52
J2888	Baxter Wilson SES SWYD 500 kV	Solar	500	500	NRIS	$391,278,655.51
J2889	Argenta 138 kV Substation	Battery Storage	200	200	NRIS	$28,595,970.29
J2890	Lake Charles Bulk 138kV Substation	Hybrid	440	440	NRIS	$348,141,212.06
J2891	138kV line X-137 (Spring Valley to State Line)	Solar	50	50	NRIS	$18,565,195.46
J2892	Blackhawk (MEC) - Quinn 345 kV	Wind	200	200	NRIS	$50,057,427.39
J2893	Bowling Green SS - Durant 115 kV	Hybrid	200	200	NRIS	$190,357,536.69
J2894	Westland Jct - Westline 69kV Line	Solar	22.77	22.77	NRIS	$21,804,231.27
J2895	Bethlehem 138kV Substation	Hybrid	120	120	NRIS	$83,604,578.23
J2897	Rivtrin - Staley 138kV Line #2 (Southern Line)	Hybrid	150	150	NRIS	$102,250,668.37
J2898	Franklin EHV - McKnight 500kV	Hybrid	200	200	NRIS	$289,121,727.54
J2899	Chalkley Co to Goos Ferry 230kV	Hybrid	250	250	NRIS	$190,406,310.23
J2900	Franklin EHV - McKnight 500kV	Hybrid	400	400	NRIS	$509,978,352.63
J2901	Taylor - Macedonia 115 kV	Solar	140	140	NRIS	$109,391,765.99
J2903	BROOKHAVEN - BROOKHAVEN/SOUTH 115.0kV	Hybrid	130	130	NRIS	$71,175,050.78
J2904	PLANTATION	Hybrid	150	150	NRIS	$283,781,075.29
J2905	HOLLANDALE - NITTA YUMA SS (CE) 115.0kV	Hybrid	100	100	NRIS	$88,548,474.41
J2906	Jaguar 138kV substation	Battery Storage	200	200	NRIS	$28,024,037.13
J2907	SHERIDAN 500 kV	Hybrid	400	400	NRIS	$174,407,471.62
J2908	Jacksonville North	Solar	30	\	External NRIS	$25,827,447.65
J2911	Penton 230KV Substation	Hybrid	810	810	NRIS	$719,100,979.06
J2912	Coyote Switchyard 345kV Substation	Hybrid	347	347	NRIS	$318,673,511.15
J2913	Forman 115kV Substation	Battery Storage	90	90	NRIS	$46,692,085.43
J2914	Plant Daniel - McKnight 500kV	Hybrid	450	450	NRIS	$440,830,334.59
J2915	Sub T to Maywood 345kV line	Wind	223	223	NRIS	$42,166,611.58
J2916	East Leesville-Rodemacher 230 KV	Solar	400	400	NRIS	$401,270,564.52
J2917	Prairie Road 115kV Substation	Solar	80	80	NRIS	$64,512,428.21
J2918	4EFFINGHM N - 4NEWTON 138kV	Solar	97	97	NRIS	$47,931,375.77
J2919	Kokomo Webster St. to Walton 230 kV	Wind	142.59	142.59	NRIS	$76,678,314.66
J2920	J1673 Interconnection Substation	Solar	92	46	NRIS	$46,020,748.41
J2921	DUCK LAKE - MAJESTIC 345 kV	Solar	250	250	NRIS	$24,331,233.57
J2922	Newton Switchyard 345 kV Substation	Solar	250	250	NRIS	$89,779,749.85
J2923	EL DORADO EHV - SARPETA 345/115 KV SW STA 345kV	Hybrid	240	240	NRIS	$204,072,192.57

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J2924	EL DORADO EHV - SARPETA 345/115 kV SW STA 345 kV	Hybrid	240	240	NRIS	$154,072,192.85
J2925	Gillett	Solar	150	150	NRIS	$45,737,881.47
J2926	Ashley to West Frankfort-1536	Solar	100	100	NRIS	$33,518,740.51
J2927	Tibbs	Solar	100	100	NRIS	$30,542,617.69
J2930	AB Brown 345 kV - Reid 345 kV	Wind	200	200	NRIS	$82,188,520.74
J2931	Reid 345 kV - AB Brown 345 kV	Solar	400	400	NRIS	$153,759,497.61
J2934	Thetford to Murphy 345 kV	Solar	200	200	NRIS	$230,956,605.49
J2935	Thetford to Murphy 345 kV	Solar	200	200	NRIS	$91,995,249.56
J2937	KINCAID ; R - 7PANA 345.0kV	Solar	186	186	NRIS	$59,089,498.46
J2938	4MONM BLVD W - 4CASTRO_JCT 138.0kV	Wind	200	200	NRIS	$48,542,214.75
J2939	Hambrick Switching Station 115kV	Solar	150	150	NRIS	$91,563,484.73
J2942	Cooper to Penton Road 230 kV	Solar	0	200	NRIS Only	$110,646,876.95
J2944	Rocky Run - Garder Park 345 kV	Gas	350	350	NRIS	$56,553,024.50
J2945	1	Gas	350	350	NRIS	$37,377,455.67
J2946	Salem - Hickory Creek 345 kV line	Gas	160	160	NRIS	$12,993,001.22
J2947	Rock River 138 kV Substations 1 (6 RICE) and 2 (5 RICE)	Gas	205	205	NRIS	$30,714,648.31
J2948	Marshalltown	Gas	75	75	NRIS	$8,786,741.98
J2949	Marshalltown 161 kV Substation	Battery Storage	100	100	NRIS	$12,310,203.08
J2950	Clay County	Wind	0	294.8	NRIS Only	$16,458,434.79
J2951	Creston Roadhouse	Solar	0	50	NRIS Only	$1,702,766.18
J2952	Crooked Bayou to Stowell 138 kV Line	Solar	100	100	NRIS	$63,889,090.58
J2953	CHISHOLM RD - SABINE 230 kV	Hybrid	400	400	NRIS	$281,275,829.48
J2954	AECC CORNING NORTH ÃƒÂ¢?? DATTO 161 KV	Solar	100	100	NRIS	$75,071,317.84
J2955	WRIGHTSVILLE ÃƒÂ¢?? WHITE BLUFF EHV 115 KV	Solar	150	150	NRIS	$99,307,056.33
J2956	Galion 115 kV Substation	Hybrid	100	100	NRIS	$99,389,302.72
J2957	Como - Crenshaw 115 kV Line	Hybrid	100	100	NRIS	$72,519,869.00
J2958	Haynesville South 115kV Substation	Hybrid	100	100	NRIS	$77,862,842.82
J2959	Rollin Schahfer (17SCHAHFER 255110) 345 kV	Hybrid	200	200	NRIS	$19,414,969.60
J2960	10CULY13 253500 (F.B. Culley) - 10AEP_T 353586 (tap betweer	Hybrid	150	150	NRIS	$101,884,481.52
J2961	Edwardsport Station (08EDWRDS 249722) - Whitefield (08WHT	Hybrid	100	100	NRIS	$47,079,135.46
J2962	Akin - Hamilton 138 kV	Hybrid	150	150	NRIS	$128,014,861.35
J2963	Havana - Shockey 161kV	Wind	200	200	NRIS	$130,817,768.84
J2964	Webb 115 kV	Wind	220	220	NRIS	$176,057,014.63
J2965	Oak Grove 115kV	Wind	230	230	NRIS	$142,180,477.92
J2966	Batesville to Moon Lake ss 230kV Line	Solar	450	450	NRIS	$238,119,005.87
J2967	Lowe Grout Rd to Jennings 138kV Line	Solar	200	200	NRIS	$193,412,428.59
J2968	LC Bulk to Henning 138kV Line (Circuit 28)	Solar	0	165	NRIS Only	$123,796,671.30
J2969	Kalkaska Gen	Gas	13.4	13.4	NRIS	$5,890,935.22
J2970	AB Brown 345 - Gibson (Duke Terminal) 345.0kV	Solar	250	250	NRIS	$118,592,093.35
J2972	4HULL - 4HERLEMAN 138.0kV	Solar	140	140	NRIS	$54,189,300.12
J2973	7FARADAY - 7PANA 345.0kV	Solar	250	250	NRIS	$76,395,653.78
J2974	4HULL - 4HERLEMAN 138.0kV	Battery Storage	50	50	NRIS	$28,589,508.73
J2975	Bevil Substation 230 kV	Hybrid	44.1	44.1	NRIS	$39,087,762.47
J2976	Mill Creek SW Station 138 kV	Hybrid	50	50	NRIS	$64,272,921.99
J2979	Mason City West 69 kV Substation	Solar	50	50	NRIS	$17,137,597.52
J2980	Hintonville 161/69 kV Substation	Solar	100	100	NRIS	$101,419,427.81
J2981	Ameren Centralia 69 kV Substation	Solar	30	30	NRIS	$17,979,702.49
J2982	Line 6629 Monmouth 69 kV Switching Station	Solar	35	35	NRIS	$843,546.25
J2983	Woodward- AECC Grapevine 115 Kv	Solar	150	150	NRIS	$125,160,560.31
J2984	Corning North to Datto 161kV Line	Solar	150	150	NRIS	$94,480,108.22
J2985	Chicot - Eudora 115kV Line	Solar	150	150	NRIS	$145,385,487.86
J2986	Deluce - Gillette 115kV Line	Solar	100	100	NRIS	$99,296,812.97
J2987	Worthington - Merom 345kV Line	Solar	200	200	NRIS	$70,756,091.51
J2988	J2256 POI - Irvington 345kV line	Wind	175	175	NRIS	$39,458,408.62
J2989	Blackhawk (MEC)- Quinn 345 KV	Wind	200	200	NRIS	$17,299,027.15
J2990	Overland - J1859 POI 345kV Line Tap	Wind	200	200	NRIS	$28,850,142.34
J2991	Dayton 120kV Substation	Battery Storage	200	200	NRIS	$47,693,357.77
J2992	Hintonville 161kV Substation	Battery Storage	160	160	NRIS	$107,018,549.44
J2996	Corning North to Datto 161kV Line	Battery Storage	50	50	NRIS	$37,126,501.36
J2997	Colfax - Madrid 120kV	Battery Storage	175	175	NRIS	$35,621,789.66
J2998	Fayetteville Bee Hollow Road 138kV Substation	Battery Storage	200	200	NRIS	$54,527,285.71
J2999	Hintonville 161kV	Solar	400	400	NRIS	$234,386,789.45
J3000	Worthington - Merom 345kV Line	Battery Storage	80	80	NRIS	$42,080,611.14
J3001	J2134 POI to White Bluff 115kV Line	Battery Storage	50	50	NRIS	$31,216,171.64
J3002	Arrowhead - Bear Creek (GRE) 230 kV	Hybrid	325	325	NRIS	$83,072,864.42

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J3003	4Havana2-4Cincinnati 138kV	Hybrid	180	180	NRIS	$66,110,780.29
J3004	Cane	Hybrid	170	170	NRIS	$78,152,188.64
J3005	Havana-Shockey (138kV)	Hybrid	150	150	NRIS	$104,357,730.24
J3006	Granville 345kV Substation	Battery Storage	300	300	NRIS	$34,545,337.48
J3007	PERE MARQUETTE - LINDEMAN 138.0kV	Battery Storage	100	100	NRIS	$22,799,047.81
J3009	Dorset 120kV	Battery Storage	150	150	NRIS	$19,359,545.89
J3010	TAP ON THE CARBON TO BRAZIL 69KV LINE	Solar	60	0	ERIS	$82,047,280.56
J3011	Prairie State Plant Switchyard 345 kV	Battery Storage	100	100	NRIS	$32,328,729.62
J3012	Mattoon East 138 kV	Solar	287	287	NRIS	$100,064,151.45
J3013	Ashley	Battery Storage	100	100	NRIS	$36,791,213.52
J3014	Cooper to Leesville 138kV	Solar	300	300	NRIS	$287,526,207.58
J3015	Gilman - Watseka 138kV	Hybrid	400	400	NRIS	$141,288,478.92
J3016	Walton	Hybrid	150	150	NRIS	$88,187,464.60
J3017	Big Stone South 345 kV Substation	Solar	150	150	NRIS	$37,995,267.98
J3019	Fancy Point to Port Hudson 230 kV	Hybrid	180	180	NRIS	$80,545,398.73
J3020	Lake Yankton to Buffalo Ridge 115kV	Wind	165	165	NRIS	$288,971,561.34
J3021	Lake Yankton to Lyon County 115kV	Solar	235	235	NRIS	$235,922,919.01
J3025	Alexandria to Hudson 115 kV	Solar	188	188	NRIS	$75,341,334.85
J3026	Deridder Mill - Roy S Nelson 138 kV	Battery Storage	175	175	NRIS	$152,254,250.98
J3027	SANDBURG-7FARGO 345kV	Hybrid	300	300	NRIS	$34,449,687.38
J3028	Hintonville to Waynesboro 161 kV	Hybrid	100	100	NRIS	$46,171,158.20
J3029	Freeborn 161 kV	Wind	200	200	NRIS	$113,949,241.35
J3030	White Bluff to Sheridan 500kV	Hybrid	450	450	NRIS	$224,687,198.43
J3031	4WLTNVL TP 138 kV	Battery Storage	200	200	NRIS	$48,600,033.39
J3032	Sarepta	Solar	500	500	NRIS	$476,087,572.60
J3033	Reid EHV 345 kV	Battery Storage	75	75	NRIS	$30,899,361.18
J3034	BRINKLEY WEST - BRINKLEY EAST 115kV Line	Solar	100	100	NRIS	$93,650,273.17
J3035	REED SS - ROHWER 115.0kV	Solar	100	100	NRIS	$70,144,582.80
J3036	REMINGTON SS - LONOKE EAST 115kV line	Solar	105	105	NRIS	$94,274,273.44
J3037	Eldorado Upland SS 115kV	Solar	150	150	NRIS	$136,730,282.67
J3038	El Dorado Upland SS 115kV	Solar	150	150	NRIS	$136,730,282.67
J3039	Byron 161kV	Solar	200	200	NRIS	$39,772,756.36
J3040	El Dorado EHV - McNeil EHV 500kV	Solar	365	365	NRIS	$230,023,327.40
J3041	Byron 161kV	Solar	200	200	NRIS	$39,772,928.33
J3042	230kV Vacherie - Waterford Line	Solar	200	200	NRIS	$123,807,127.79
J3043	Edwards	Battery Storage	200	200	NRIS	$5,862,298.91
J3044	Edwards	Solar	200	200	NRIS	$4,192,916.93
J3045	Chisholm RD- Hartburg 230kV	Solar	300	300	NRIS	$207,914,208.87
J3047	Orient-Atchison County 345kV	Gas	263	263	NRIS	$62,592,388.23
J3048	MOSES SES to AECC HUNTER NORTH	Solar	300	300	NRIS	$255,387,588.60
J3049	Lakeover EHV - McAdams EHV 500 kV	Solar	188	188	NRIS	$122,553,830.27
J3050	Oneida to Majestic 345 kV	Solar	300	300	NRIS	$26,894,367.07
J3051	Rush City 230 kV	Solar	150	150	NRIS	$71,689,995.83
J3052	MCV	Gas	300	300	NRIS	$122,115,793.47
J3053	Lakeover EHV - McAdams EHV 500 kV	Solar	169	169	NRIS	$112,546,948.01
J3055	Bogalusa 500 kV - Franklin EHV 500 kV	Solar	250	250	NRIS	$230,369,424.60
J3056	Bogalusa 500 kV - Franklin EHV 500 kV	Hybrid	200	200	NRIS	$190,078,295.54
J3057	Richard (Bus #335366) to Colonial Academy (Bus #335375) 138k	Hybrid	75	75	NRIS	$76,964,997.07
J3058	Tarleton 230 kV	Hybrid	200	200	NRIS	$159,716,416.72
J3059	Other_	Solar	200	200	NRIS	$29,009,334.54
J3060	7CMDR-7ASTER 345 kV	Solar	200	200	NRIS	$81,698,772.48
J3061	Walnut Ridge (Bus #338208) to Sedgewick (Bus #338206) 115kV	Hybrid	100	100	NRIS	$95,652,482.88
J3062	Edwards to Bolton 115 kV	Hybrid	100	100	NRIS	$95,164,767.07
J3063	Commodore - Jordan 345 kV MTEP Project 20465	Battery Storage	143	143	NRIS	$45,990,784.31
J3064	7JORD - 7CMDR 345.0kV	Solar	157	157	NRIS	$46,165,006.52
J3065	DONALDSON CREEK	Solar	20	20	NRIS	$2,524,698.20
J3066	Hersey Transmission Station, 138 kV, Bus #263771	Solar	50	50	NRIS	$7,299,764.60
J3067	North Bastrop (Bus #337443) - Beekman (Bus #337441)	Solar	200	200	NRIS	$197,355,420.30
J3068	Amite (A) - Gillsburg (B) 115kV TL	Hybrid	110	110	NRIS	$131,656,104.41
J3069	Tap on line Fayetteville 138kV (endpoint A) to HERZOG 138kV (e	Solar	70	70	NRIS	$31,118,962.61
J3070	Square Butte East 230 kV	Wind	150	150	NRIS	$127,155,304.73
J3071	Entergy Hughes - Forest City South 161 kV	Hybrid	140	140	NRIS	$79,531,722.47
J3074	Prest-Steeleville	Hybrid	250	250	NRIS	$110,037,867.00
J3075	Merom Primary- Worthington Primary 345kV	Hybrid	900	900	NRIS	$399,601,934.88
J3076	08GiBSON (PSI) to 7ALBION 345 kV	Hybrid	770	770	NRIS	$363,628,923.73

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J3077	Francisco 345 kV	Hybrid	1000	1000	NRIS	$431,673,531.05
J3078	Fargo to Sandburg 345kV	Wind	250	250	NRIS	$34,377,529.36
J3079	Jasper-Holly Springs 138 kV line tap	Solar	200	200	NRIS	$250,033,369.72
J3080	Ameren owned Kelso - Joppa (Massac) 345 kV Tie-Line	Hybrid	200	200	NRIS	$54,017,014.18
J3081	Entergy Arkansas Owned Social Hill - De Gray 115 kV Line	Solar	160	160	NRIS	$224,093,095.02
J3082	Taping the 'Gilbert / 3GILBERT_LA (303322)' to 'Winnsboro / 3W	Hybrid	135	135	NRIS	$161,846,769.65
J3083	WATERLOO - FANCY POINT 230.0kV	Solar	0	100	NRIS Only	$48,861,591.04
J3084	Merom (HED) - Dresser 345kV	Gas	641.8	641.8	NRIS	$149,088,562.79
J3085	Fredericktown 138 kV Substation	Solar	75	75	NRIS	$62,246,493.80
J3088	Raun to Sioux City	Hybrid	300	0	ERIS	$30,310,368.84
J3089	Reid EHV	Gas	696	696	NRIS	$257,694,035.96
J3090	West Memphis EHV	Solar	200	200	NRIS	$63,398,230.83
J3092	SHELBY SS	Hybrid	115	115	NRIS	$115,536,202.53
J3093	Lakeover EHV - McAdams EHV 500 kV	Battery Storage	100	100	NRIS	$78,094,203.07
J3094	Pumpkin Center 230kV	Hybrid	115	115	NRIS	$33,984,962.35
J3095	4PAXTON - 4J845POI 138.0kV	Solar	200	200	NRIS	$51,632,452.53
J3096	Reid 161 kV to Henderson 161 kV	Solar	200	200	NRIS	$112,269,518.55
J3097	Entergy Mississippi Gillsburg Tap - Gillsburg on the Amite - Gillsb	Hybrid	150	150	NRIS	$185,884,265.60
J3098	RED GUM - WINNSBORO 115 kV (122.5,122.6,122.7)	Solar	75	75	NRIS	$84,173,093.07
J3100	Higgins - Mio Dam 138 kV line	Solar	75	75	NRIS	$104,826,865.58
J3103	Lafayette - Veedersburg West 230 kV	Solar	145	145	NRIS	$96,600,581.21
J3104	Tinnin Road 230kV Substation	Solar	85	85	NRIS	$83,497,182.28
J3105	Franklin EHV - McKnight 500 kV	Hybrid	400	400	NRIS	$590,738,502.04
J3107	Enron Substation	Solar	150	150	NRIS	$24,601,121.30
J3108	Missionary 161kV Substation	Hybrid	180	180	NRIS	$218,310,663.24
J3109	Taping the 'Carlisle / 3CARISLE! (338003)' to 'Screeton / 3SCREE	Hybrid	120	120	NRIS	$120,187,937.89
J3110	Powerline Road / 8POWERLN_RD% (338156) 500kV Substation	Hybrid	400	400	NRIS	$343,122,911.97
J3111	AECC TRUMANN WEST - POWERLINE ROAD 161kv	Hybrid	100	100	NRIS	$53,963,615.53
J3112	Barton - West Helena 115kV	Hybrid	100	100	NRIS	$118,515,928.10
J3114	Taping 'Sandborn Primary / 07SAND61 (248465)' to 'Worthingto	Hybrid	300	300	NRIS	$199,487,145.21
J3115	Taping the 'Onward / 3ONWARD+ (336967)' to 'Rolling Fork / 3R	Hybrid	216	216	NRIS	$265,360,119.53
J3116	Taping 'AECC Aubrey / 6AUBREY# (338885)' to 'Ritchie SES Switc	Hybrid	200	200	NRIS	$192,460,451.25
J3117	Taping the 'Texas Eastern Station 8 / ST.E.P/ S-8 (338229)' to 'M	Hybrid	200	200	NRIS	$119,169,102.45
J3118	Taping the 'Galion / 3GALION (337444)' to 'Oak Grove / 3OAK_G	Hybrid	160	160	NRIS	$167,372,826.90
J3120	Taping 'Newport AB / NEWPORTSOLAR (338177)' to 'Cash / 5CA	Hybrid	200	200	NRIS	$108,795,385.03
J3122	BOB WHITE	Hybrid	200	200	NRIS	$70,533,950.24
J3124	Murphy 345 kV Substation	Solar	120	120	NRIS	$21,641,782.58
J3125	Crandall 345 kV Substation	Hybrid	289	289	NRIS	$53,996,859.23
J3126	Stringtown-Greenville/North 115kV Transmission Line	Solar	200	200	NRIS	$215,825,596.36
J3128	Starhill Substation 138 kV	Solar	100	100	NRIS	$48,344,311.20
J3130	Kinmundy to Salem 138 kV	Solar	100	100	NRIS	$36,393,472.43
J3131	El Dorado EHV - Sarepta 345/115KV SW STA 345 kV	Solar	300	300	NRIS	$228,109,138.14
J3132	El Dorado EHV - Sarepta 345/115KV SW STA 345 kV	Battery Storage	150	150	NRIS	$117,958,585.43
J3133	Murphy to Nelson Road 345 kV	Battery Storage	120	120	NRIS	$22,499,891.32
J3134	Gaylord Transmission Station, 138 kV, Bus #263662	Solar	150	150	NRIS	$132,133,395.79
J3135	Commodore-Aster-4513	Solar	200	200	NRIS	$102,252,850.00
J3136	Hoosier's Sandborn - Grain Processing Center 161kV (GPC Prima	Hybrid	100	100	NRIS	$73,398,793.97
J3137	Sac - Pocahontas 161 kV	Solar	156.3	156.3	NRIS	$208,906,054.24
J3138	Rapides 230kV Substation	Solar	49.7	49.7	NRIS	$43,181,147.51
J3139	Pickens 230 kV Substation	Solar	225	225	NRIS	$155,686,418.55
J3140	South Valparaiso 138 kV Substation	Battery Storage	50	50	NRIS	$29,936,674.88
J3141	Ritchie Plant Substation 230kV	Solar	100	100	NRIS	$59,976,355.08
J3142	Circuit ID# 6950 - Columbus North (08COLNRT) - Franklin Forsyt	Solar	50	50	NRIS	$21,680,253.51
J3143	Jackson Township (08JCKSN_TWNS) - Heritage Lake (08HERITL)	Solar	50	50	NRIS	$79,036,969.11
J3144	Amo - Wheatland 69kV Line	Solar	150	150	NRIS	$103,706,208.98
J3145	Amo - Wheatland Line	Solar	150	150	NRIS	$103,706,208.98
J3146	Amo - Wheatland Line	Solar	200	200	NRIS	$135,147,812.68
J3147	Trafalgar Switchyard (08TRFLGJ)	Solar	50	50	NRIS	$24,838,551.69
J3148	Drager to Grand Junction	Solar	131	131	NRIS	$61,076,086.79
J3149	Hastings to Bunge	Solar	80	80	NRIS	$49,957,113.05
J3150	Crenshaw to Como	Solar	100	100	NRIS	$70,310,969.94
J3151	Sheboygan Falls	Gas	150	150	NRIS	$13,057,773.77
J3152	Spring Green 138 kV	Gas	160	160	NRIS	$59,780,191.26
J3153	Beaver Channel 161 kV Substation	Gas	160	160	NRIS	$2,891,119.57
J3154	Blackhawk (MEC) - Quinn 345 (shared POI with J2892)	Gas	160	160	NRIS	$26,677,881.85

Project	Point of Interconnection	Fuel Type	ERIS MW	NRIS MW	Service	Total DPP 2022 Cycle 1 Phase 1 Network Upgrade Cost
J3155	Neevin	Gas	150	150	NRIS	$73,788,261.78
J3156	Townline Road	Gas	100	100	NRIS	$2,258,533.01
J3157	Bison	Wind	0	100	NRIS Only	$11,127,151.59
J3158	Colby 345 kV Substation	Battery Storage	100	100	NRIS	$23,452,098.73
J3159	Gardner 69 kV substation	Battery Storage	100	100	NRIS	$17,261,025.34
J3160	South Fond du Lac 345 kV	Battery Storage	100	100	NRIS	$9,307,117.34
J3161	Huebner 138 kV	Battery Storage	100	100	NRIS	$10,352,391.37
J3162	Beloit Gateway 138 kV substation	Battery Storage	100	100	NRIS	$3,231,164.63
J3163	BISON	Hybrid	481	481	NRIS	$196,566,547.70
J3164	McClellan 138 kV Substation	Battery Storage	100	100	NRIS	$133,154,822.79
J3165	New Hardinsburg 161 kV Substation	Solar	200	200	NRIS	$40,714,122.81
J3166	Edwardsport Station IGCC 345kV Substation	Battery Storage	100	100	NRIS	$59,416,974.20
J3167	Ipava 138 kV Substation	Solar	220	220	NRIS	$57,151,546.69
J3168	Reynolds 345 kV Substation	Solar	150	150	NRIS	$4,498,227.20
J3169	Cypress 138 kV Substation	Battery Storage	200	200	NRIS	$121,098,004.74
J3170	Eola-Marksville 138 kV	Solar	200	200	NRIS	$193,207,694.34
J3171	Monticello East-Reed SS 115 kV	Solar	300	300	NRIS	$230,760,662.24
J3172	GRE-NININGR7 115 kV	Battery Storage	100	100	NRIS	$74,531,305.78
J3173	Swifton to Hoxie 161 kV	Solar	220	220	NRIS	$191,265,393.84
J3174	Jacksonville Industrial Pk-Winchester Switching Station 138 kV	Solar	180	180	NRIS	$113,802,415.16
J3175	Robinsonville 230kV	Solar	160	160	NRIS	$100,463,701.11
J3180	Dolet Hills	Solar	110	110	NRIS	$65,421,721.70
J3181	Fogarty 138 kV Substation	Hybrid	100	100	NRIS	$36,833,135.57
J3183	Big Stone South 230KV Substation	Hybrid	125	125	NRIS	$38,164,831.55
J3184	South Belleville (4S BELLVLLE 348811) 138 kV	Hybrid	145	145	NRIS	$24,029,611.78
J3185	Effingham - Newton 138KV (4EFFINGHM 347025 -4NEWTON 34	Hybrid	150	150	NRIS	$66,417,018.28
J3186	Rosedale - Delta 115 kV	Hybrid	100	100	NRIS	$95,010,658.75
J3187	Havana 138 kV Sub	Battery Storage	37	37	NRIS	$15,901,534.20
J3188	Hallock 138 kV	Solar	35	35	NRIS	$1,177,213.71
J3189	St. Johns 138 kV Substation	Solar	50	50	NRIS	$28,581,172.24
J3190	Pike 161 kV Substation	Solar	50	50	NRIS	$90,516,117.10
J3191	AECC BALCH-FISHER 161kV	Solar	100	100	NRIS	$63,602,895.35
J3192	Mallory 161 kV Substation	Solar	500	500	NRIS	$218,420,855.59
J3193	POYEN-GIFFORD 115 kV	Solar	100	100	NRIS	$53,921,377.55
J3198	Barron 161KV	Hybrid	80	80	NRIS	$15,661,151.60
J3199	Zachary 345kV	Hybrid	300	300	NRIS	$36,977,056.66
J3200	Turkey Hill 345kV	Battery Storage	250	250	NRIS	$72,472,119.03
J3201	Tylertown-Bogalusa 115 kV	Solar	148	148	NRIS	$126,748,854.86
J3202	Clark-Pilot Knob-1	Solar	120	120	NRIS	$164,925,832.86
J3204	Gardner Park - Stone Lake 345kV Line	Wind	208	208	NRIS	$55,728,249.11
J3205	Arlington to Smithdale 115 kV	Solar	80	80	NRIS	$63,121,158.87
J3206	Killdeer 345 kV Substation	Wind	194	194	NRIS	$35,558,438.95
J3207	PLYMOUTH - STILLWELL 138.0kV	Solar	200	200	NRIS	$63,933,264.04
J3208	HUNTINBURG-ST ANTHONY 69kV (New substation Patoka 69kV)	Solar	10	10	NRIS	$10,187,244.72
J3209	Hineston 230kV Substation	Solar	467	467	NRIS	$381,664,116.01
J3210	J2245 Substation	Solar	100	100	NRIS	$94,435,223.73
J3211	J1564 Substation	Solar	100	100	NRIS	$98,675,298.31
J3212	GLENWOOD	Solar	50	50	NRIS	$11,257,465.05
J3213	Riverside 115kV Substation	Gas	55	55	NRIS	$9,357,552.18
J3214	WEVER / POI J1471	Hybrid	185	185	NRIS	$90,990,111.32
J3216	Bloomington Brokaw 138 kV	Battery Storage	300	300	NRIS	$19,389,138.13
J3218	Prescott (#337507) to Emmett (#337505)	Solar	50	50	NRIS	$56,580,873.89
J3219	Cannon Falls 69 kV	Hydro	0	4	NRIS Only	$407,691.55
J3220	Peddler	Battery Storage	200	200	NRIS	$32,636,830.13
J3221	LA_ORD_115	Solar	49	0	ERIS	$24,776,619.02
J3222	Arland to Faraday 345 kV Line Tap	Wind	109	109	NRIS	$41,729,004.23
J3223	Olney (4JASPER 347868) - Albion (4ALBION N 346510) 138 kV	Hybrid	88	88	NRIS	$41,806,727.24
J3224	4KINMUNDY-4TANNER 138kv	Hybrid	150	150	NRIS	$76,854,763.03
J3226	BURR OAK-PLYMOUTH 138 kV	Hybrid	130	130	NRIS	$51,859,509.65
J3227	Gallagher to Livingston 345 kV Segment on the Livingston Ã¢â‚¬â	Solar	80	80	NRIS	$76,774,617.05
J3228	Redstone-Tittabawassee 138 kV Line	Solar	26	26	NRIS	$46,802,935.62
J3229	4DILLON-4LKSIDE TP2 138 KV	Hybrid	140	140	NRIS	$29,064,734.37
J3230	PARKIN - GILMORE 161.0kV	Hybrid	200	200	NRIS	$106,850,367.11
J3231	GLOSTER - LIBERTY 115.0kV	Hybrid	100	100	NRIS	$145,138,923.05