Results Only Reports

February 2023 IPS

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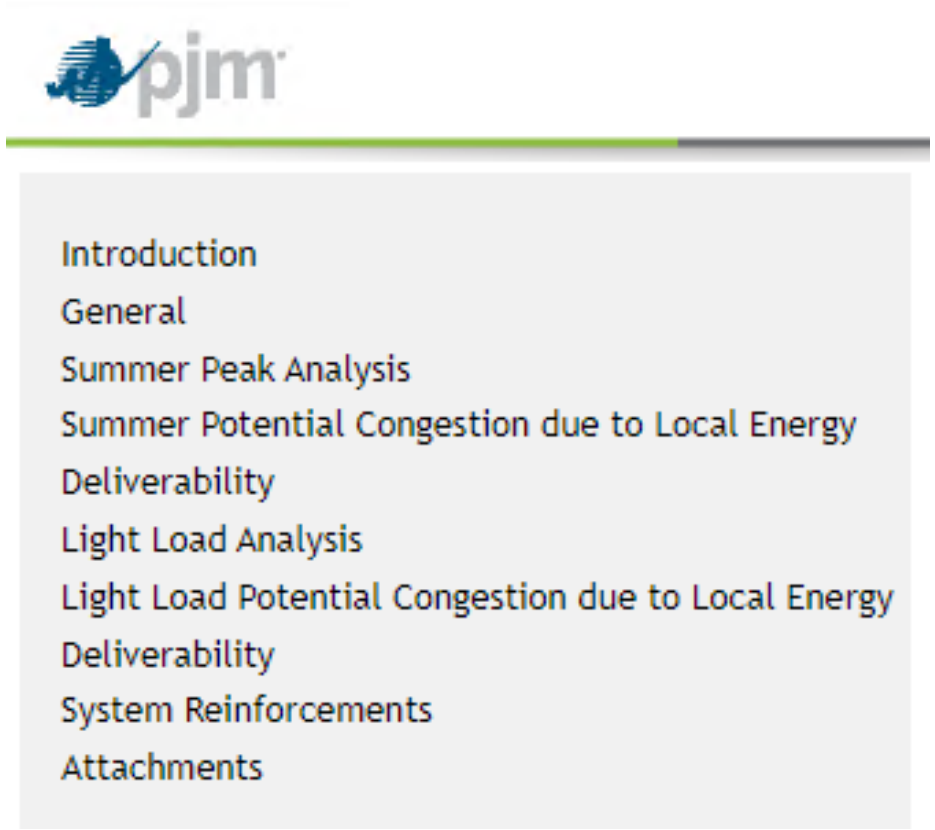
Sr. Engineer
Interconnection Analysis

Results Only Reports

- AF1/AF2/AG1 SIS “Results Only” Reports to be issued by April 30 for Queue customers that are in the SIS phase of study who have not received their Original SIS reports
- These load flow results are being provided to give you the most up to date load flow information on your current SIS study results as we approach transition to the process reform
- These load flow results are not final reports and will not be posted to the PJM website

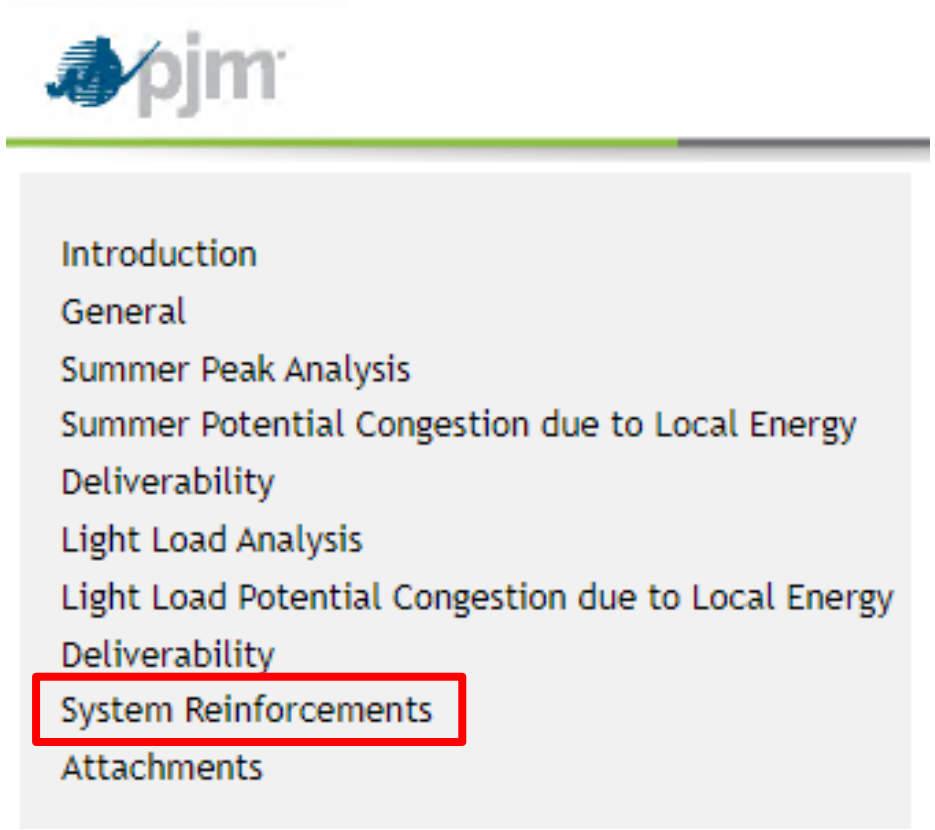
Results Only Reports

- “Results Only” Report Sections



Introduction
General
Summer Peak Analysis
Summer Potential Congestion due to Local Energy Deliverability
Light Load Analysis
Light Load Potential Congestion due to Local Energy Deliverability
System Reinforcements
Attachments

- Results Only Report Main Differences



Results Only Reports

- "Normal" Report Reinforcement Section – Includes Cost Allocation

RTEP ID	Title	Total Cost	Time Estimate
(TBD)	Rebuild 5 miles of 230 kV Line 2028 from Fork Union to AF2-397 Tap with 2-795 ACSR 150 C.	$12,500,000	36 - 42 Months

AG1- is a **Contributor**

Flowgates Addressed by this Reinforcement

Facility	Contingency
6FORK UNION-AF2-397 TAP 230.0 kV Ckt 1 line	(Any)

New Ratings

Facility	Rating Set	Rating Type	Rating Value
6FORK UNION-AF2-397 TAP 230.0 kV Ckt 1 line	(All)	A	1174.0 MVA
6FORK UNION-AF2-397 TAP 230.0 kV Ckt 1 line	(All)	B	1225.0 MVA
6FORK UNION-AF2-397 TAP 230.0 kV Ckt 1 line	(All)	C	1360.0 MVA

Cost Allocation

Queue Project	MW Impact	Percent Allocation	Allocated Cost ($USD)
AG1-	8.3 MW	13.0%	$1,629,149
AG1-	11.1 MW	17.5%	$2,181,337
AG1-	8.9 MW	14.0%	$1,746,636
AG1-	20.1 MW	31.5%	$3,934,630
AG1-	15.4 MW	24.1%	$3,008,248

Results Only Reports

- "Results Only" Report Reinforcement Section – No Cost Allocation
- The total cost of each reinforcement will be included

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Results Only Reports

- Analysis Section – No change from Normal Reports

Summer Peak Analysis

The Queue Project was evaluated as a 0.0 MW (Capacity 10.0 MW) injection in the area. Project was evaluated for compliance with applicable reliability planning criteria (PJM, NERC, NERC Regional Reliability Councils, and Transmission Owners). Potential Summer peak period network impacts were as follows:

Area	Facility Description	Contingency Name	Contingency Type	DC | AC	Initial Loading	Final Loading	Rating (MVA)	Rating Type	MVA to Mitigate	MW Contribution	Details
AP	01DANSMTN-01RIDGLY 138.0 kV Ckt 1 line	FE-P2-3-MP-138-150	Breaker	AC	135.92 %	137.94 %	182.0	B	251.06	2.26	Details
AP	01DANSMTN-01RIDGLY 138.0 kV Ckt 1 line	FE-P2-3-MP-138-160	Breaker	AC	135.05 %	137.1 %	182.0	B	249.52	2.31	Details
AP	01DANSMTN-01RIDGLY 138.0 kV Ckt 1 line	FE-P2-3-MP-138-161	Breaker	AC	135.04 %	137.09 %	182.0	B	249.5	2.31	Details
AP	01DANSMTN-01RIDGLY 138.0 kV Ckt 1 line	FE-P2-4-MP-138-200_NON	Breaker	AC	111.23 %	112.63 %	182.0	B	204.99	2.31	Details
AP	01DANSMTN-01RIDGLY 138.0 kV Ckt 1 line	FE-P2-3-MP-138-159_NON	Breaker	AC	110.96 %	112.36 %	182.0	B	204.49	2.31	Details
AP	01CARLOS-01DANSMTN 138.0 kV Ckt 1 line	FE-P2-3-MP-138-150	Breaker	AC	105.82 %	106.98 %	182.0	B	194.71	2.26	Details
AP	01CARLOS-01DANSMTN 138.0 kV Ckt 1 line	FE-P2-3-MP-138-160	Breaker	AC	105.16 %	106.35 %	182.0	B	193.56	2.31	Details
AP	01CARLOS-01DANSMTN 138.0 kV Ckt 1 line	FE-P2-3-MP-138-161	Breaker	AC	105.14 %	106.33 %	182.0	B	193.53	2.31	Details

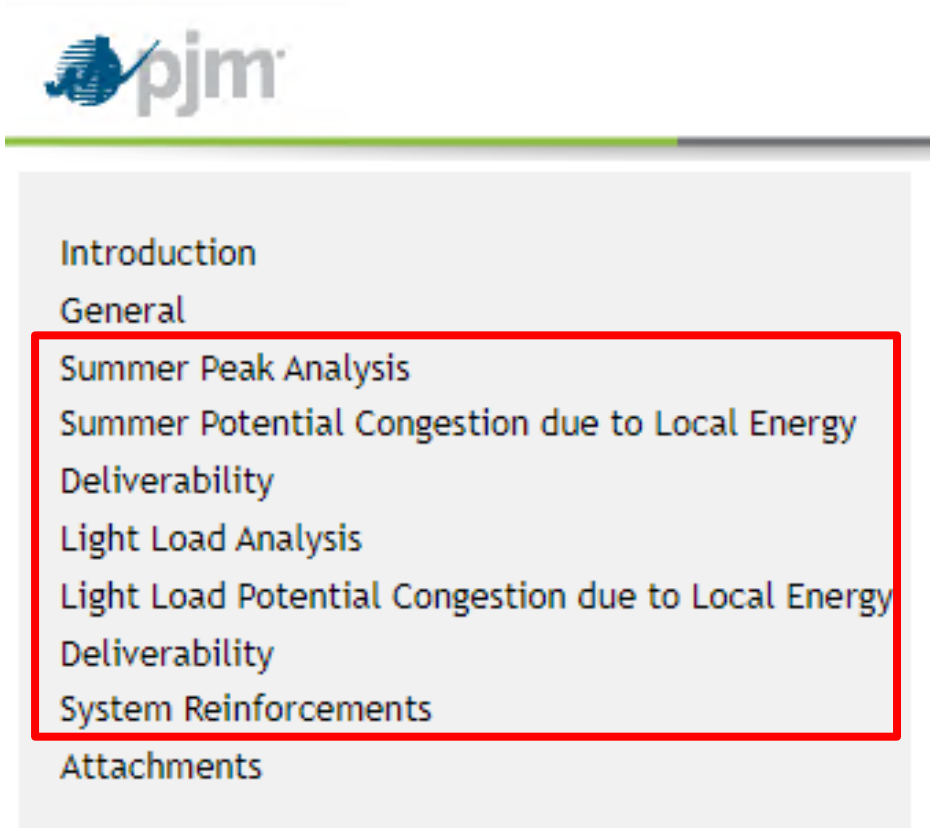
- Analysis Section – No change from Normal Reports

Details for 01DANSMTN-01RIDGLY 138.0 kV Ckt 1 line l/o FE-P2-3-MP-138-150

Bus #	Bus Name	Type	Full MW Contribution	GenDeliv MW Contribution
962292	AG1-	50/50	0.42 MW	0.42 MW
962501	AG1-	Adder	1.71 MW	1.46 MW
962651	AG1-	50/50	2.26 MW	2.26 MW
963541	AG1-	50/50	0.75 MW	0.75 MW
963542	AG1-	50/50	0.4 MW	0.4 MW
963561	AG1-	50/50	1.47 MW	1.47 MW
963562	AG1-	50/50	0.79 MW	0.79 MW
966512	AG1-	Adder	0.29 MW	0.25 MW
200813	26YOUGH	50/50	0.38 MW	0.38 MW
200834	26SW_E13_K22	50/50	0.02 MW	0.02 MW
200840	26DEEPCRK1	50/50	0.89 MW	0.89 MW
200841	26DEEPCRK2	50/50	0.89 MW	0.89 MW
200889	26STNY CRK	50/50	0.15 MW	0.15 MW
200890	26BF_G21_K23	50/50	0.19 MW	0.19 MW

Results Only Reports

- "Results Only" Report Sections
  - Provide Queue customers with latest load flow analysis including Summer Peak and Light Load
  - Provides the Reinforcements associated with the Summer Peak and Light Load Overloads (No Cost Allocation is the only difference for this section)



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