Large Load Adjustment 2024

ATSI and APS Zones*

Presented by E. B. Stein

10/25/2024

Large Load Adjustment 2024

Approach

Process

- *ATSI and APS Zones only
  - Other FE zones do not have load increases requiring a Large Load Adjustment disclosure at this time
- Begin with weather normalized peak forecast
  - Based on historical data for FE Electric Companies
    - Use forecast peak data where provided by Municipalities and Cooperatives
  - Effects of economic and societal behavioral changes captured here (for FE electric companies)
    - EV Growth, Electrification, Industrial Output, Customer changes, Energy Efficiency, Distributed Energy Resources, Etc.
- Customer interconnection requests are an independent addition to the forecast
  - These become PJM Large Load Adjustments
  - Introduced a scoring system to reduce subjectivity of including in the forecast
    - Based on a series of questions describing where in process project is
      - Score greater than or equal to 5 is included in PJM LLA submittal
- Continuous Improvement
  - FE has a committed forecasting operation empowered to keep step with industry trends and requirements
    - FERC Order 1920, State requirements

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ATSI

ATSI Zone Quick Information

- The ATSI Zone covers two states – Ohio and Pennsylvania
- The FirstEnergy Electric Companies
  - Ohio Edison
  - Toledo Edison
  - Cleveland Electric Illuminating Company
  - FE Pennsylvania Electric Company (Penn Power District only)
  - Total retail customers: Roughly 2.2 Million
- Several Municipalities and Cooperatives are served through the following:
  - American Municipal Power
  - Buckeye Power
  - Cleveland Public Power

ATSI Zone Large Load Adjustment Summary

No.	Customer Submittal ID	Zone	Area	MW	Score	Included in current RTEP Window	Load Factor	TEAC/RTEP	RTEP NUMBERS	TEAC/RTEP Comments
1	A	ATSI	OHIO	1,200	9	N	0.9	Partial	s3524.1	First 200 MW presented; Needs 6/14/2024, Solution 7/19/2024.
2	B	ATSI	OHIO	540	23	N	0.9	Yes		Needs 7/9/2024; Solutions 9/13/2024.
3	C	ATSI	OHIO	220	NS	N*	0.9	Yes	s3361.1	Needs 11/17/2023; Solutions 2/16/2024
4	D	ATSI	OHIO	780	13	N*	0.9	No**		
5	E	ATSI	OHIO	756	5	N	0.9	No**		
6	F	ATSI	OHIO	310	4	N	0.9	No**		
7	P	ATSI	OHIO	200	NS	N	0.9	Yes	s3106.1	Needs 8/23/2023; Solutions 10/20/2023
			TOTAL	**4,006**						
			*Requested inclusion but the scenario was ultimately not modelled							
			**Review and disclosures forthcoming where required							

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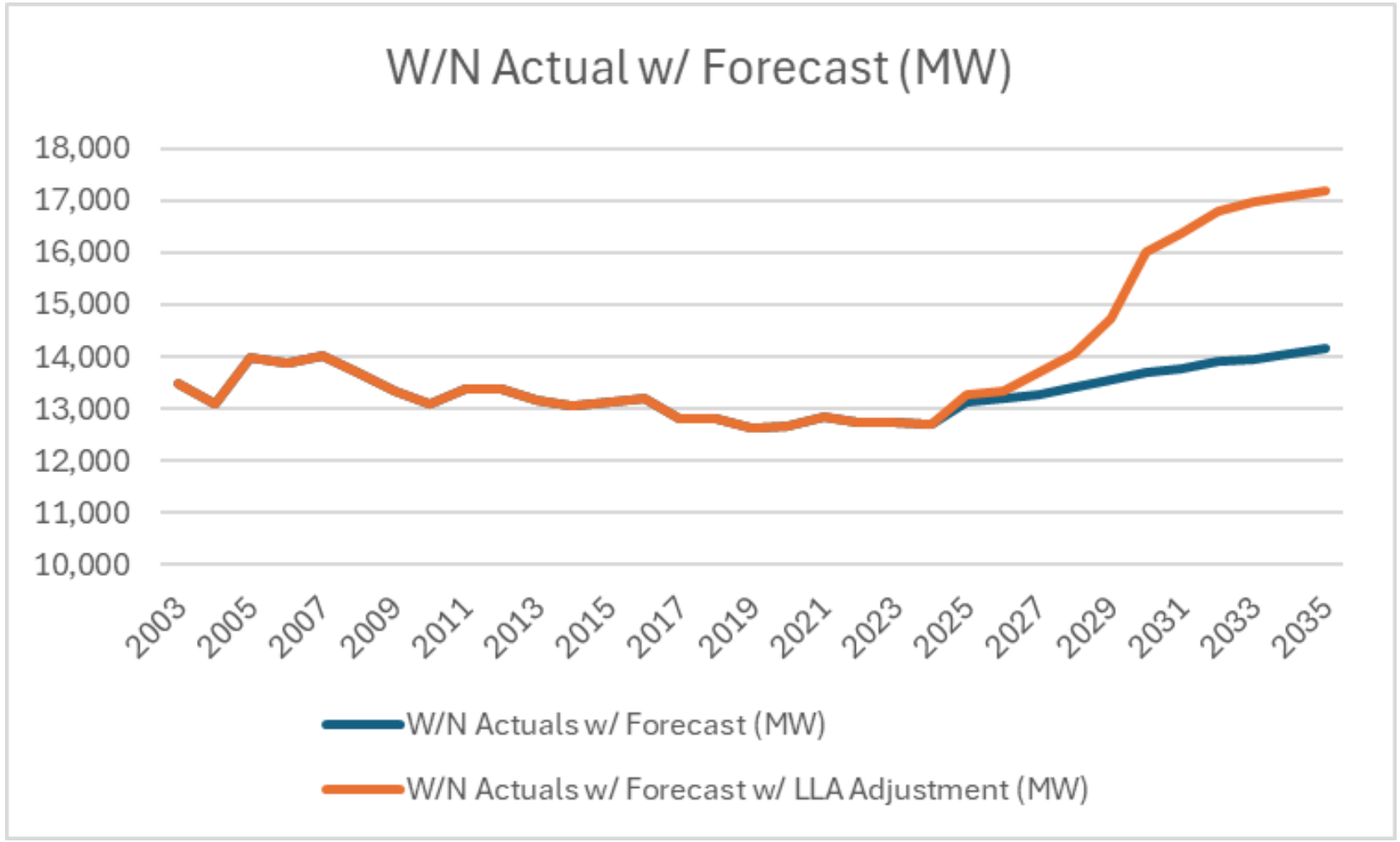
ATSI Zone – Summer Peak MW



W/N = Weather Normalized

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APS

APS Zone Quick Information

- The APS Zone covers four states –Pennsylvania, Maryland, Virginia and West Virginia
- The FirstEnergy Electric Companies
  - Monongahela Power
  - Potomac Edison (WV & MD)
  - FE Pennsylvania Electric Company (West Penn Power District only)
  - Total retail customers: Roughly 1.5 Million
- Several Municipalities and Cooperatives are served through the following:
  - Old Dominion Electric Cooperative (VA)
  - Front Royal
  - Chambersburg
  - Letterkenney
  - Mont Alto
  - Tarentum
  - Hagerstown
  - Thurmont
  - Williamsport
  - HREA
  - New Martinsville
  - Philippi
  - Allegheny Electric Cooperative

APS Zone Large Load Adjustment Summary

No.	Customer Submittal ID	Zone	Area	MW	Score	Included in current RTEP Window	Load Factor	TEAC/RTEP	RTEP NUMBERS	TEAC/RTEP Comments
8	G	APS	PE	360	13	N	0.9	Yes	s3153.1	Need 9/5/2023; Solution 10/31/2023
9	H	APS	PE	1,000	18	N	0.9	No*		
10	I	APS	PE	600	14	N	0.9	No*		
11	J	APS	PE	576	18	N	0.9	Yes	s2881, s3151.1, s3152.1, s3152.2	Need 5/10/2022;Solution 9/6/2022 Need 6/6/2023 ;Solution 8/8/2023
12	L	APS	PE	300	NS	N	0.9	Yes	s3150.1, s3150.2	Needs 8/8/2023; Solution 10/31/2023
13	M	APS	PE	250	4	N	0.9	No*		
			TOTAL	**3,086**						
14	N	APS	AP_ODEC	164	N/A	N	0.9	No*		
			* Review and disclosures forthcoming where required							

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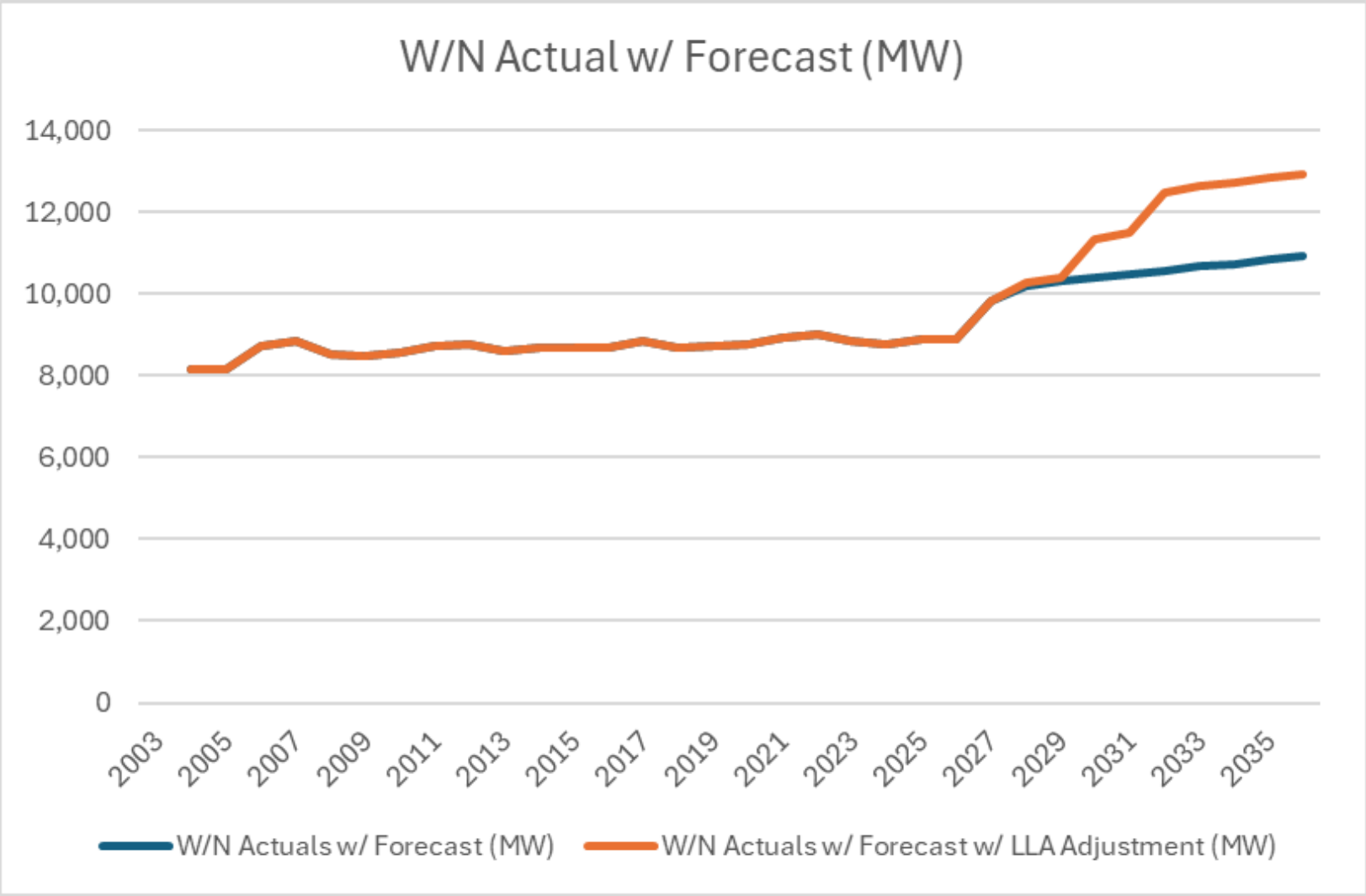
APS Zone – Summer Peak MW



W/N = Weather Normalized

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Thank You