

# ARR/FTR

MMUAC

December 1, 2023

IMM



Monitoring Analytics

# FTR market flow that is greater than binding constraint limits

Month	Binding Constraint Hours	Constraint Hours where FTR Flow > Constraint Limit	Percent of Constraint Hours where FTR Flow > Constraint Limit	Average Congestion		Average Balancing		FTR Target		Excess FTR		Average Excess FTR Target Allocations
				Total Congestion	Per Constraint Hour	Balancing Congestion	Congestion Per Constraint Hour	FTR Target Allocations	Allocations Per Constraint Hour	Target Allocations	Per Constraint Hour	
Jun-22	4,314	4,284	99.3%	\$196,927,609	\$45,968	(\$4,903,733)	(\$1,144.7)	\$231,463,493	\$54,030	\$34,535,883	\$8,062	
Jul-22	5,930	5,816	98.1%	\$84,858,168	\$14,590	(\$142,448)	(\$24.5)	\$95,432,128	\$16,409	\$10,573,960	\$1,818	
Aug-22	5,043	5,040	99.9%	\$355,601,144	\$70,556	(\$8,388)	(\$1.7)	\$320,732,640	\$63,637	(\$34,868,504)	(\$6,918)	
Sep-22	4,783	4,759	99.5%	\$249,578,104	\$52,443	\$1,250,608	\$263	\$260,889,245	\$54,820	\$11,311,141	\$2,377	
Oct-22	6,697	6,665	99.5%	\$162,352,489	\$24,359	\$1,111,468	\$167	\$208,174,633	\$31,234	\$45,822,145	\$6,875	
Nov-22	7,597	7,481	98.5%	\$211,783,616	\$28,310	(\$2,735,887)	(\$366)	\$242,414,656	\$32,404	\$30,631,039	\$4,095	
Dec-22	8,681	8,441	97.2%	\$363,209,860	\$43,029	\$499,041	\$59	\$321,998,738	\$38,147	(\$41,211,123)	(\$4,882)	
Jan-23	6,272	6,144	98.0%	\$69,180,823	\$11,257	\$64,715	\$11	\$77,593,601	\$12,629	\$8,432,778	\$1,373	
Feb-23	6,223	6,198	99.6%	\$102,060,702	\$16,467	(\$570,846)	(\$92)	\$90,720,141	\$14,637	(\$11,340,560)	(\$1,830)	
Mar-23	6,328	6,296	99.5%	\$56,705,361	\$9,007	(\$272,235)	(\$43)	\$63,293,116	\$10,053	\$6,587,754	\$1,046	
Apr-23	6,816	6,678	98.0%	\$126,974,143	\$19,014	(\$195,969)	(\$29)	\$139,340,007	\$20,866	\$12,365,864	\$1,852	
May-23	6,769	6,761	99.9%	\$96,568,809	\$14,283	(\$355,093)	(\$53)	\$111,967,475	\$16,561	\$15,398,666	\$2,278	
Summary for 2022/2023 Planning Period												
Total	75,453	74,563	98.8%	\$2,075,780,829	\$27,839	(\$6,258,767)	(\$84)	\$2,164,019,872	\$29,023	\$88,239,042	\$1,183	
Jun-23	5,930	5,816	98.1%	\$84,858,168	\$14,590	(\$1,009,644)	(\$174)	\$95,432,128	\$16,409	\$10,573,960	\$1,818	
Jul-23	6,728	6,701	99.6%	\$158,178,031	\$23,605	(\$7,241,328)	(\$1,081)	\$154,850,314	\$23,109	(\$3,327,717)	(\$497)	
Aug-23	5,594	5,587	99.9%	\$130,600,142	\$23,376	(\$3,015,859)	(\$540)	\$136,041,737	\$24,350	\$5,441,595	\$974	
Sep-23	5,842	5,793	99.2%	\$133,267,063	\$23,005	(\$4,822,979)	(\$833)	\$160,805,383	\$27,759	\$27,538,320	\$4,754	
Summary for 2023/2024 Planning Period												
Total	24,094	23,897	99.2%	\$506,903,405	\$21,212	(\$16,089,811)	(\$673)	\$547,129,563	\$22,895	\$40,226,157	\$1,683	

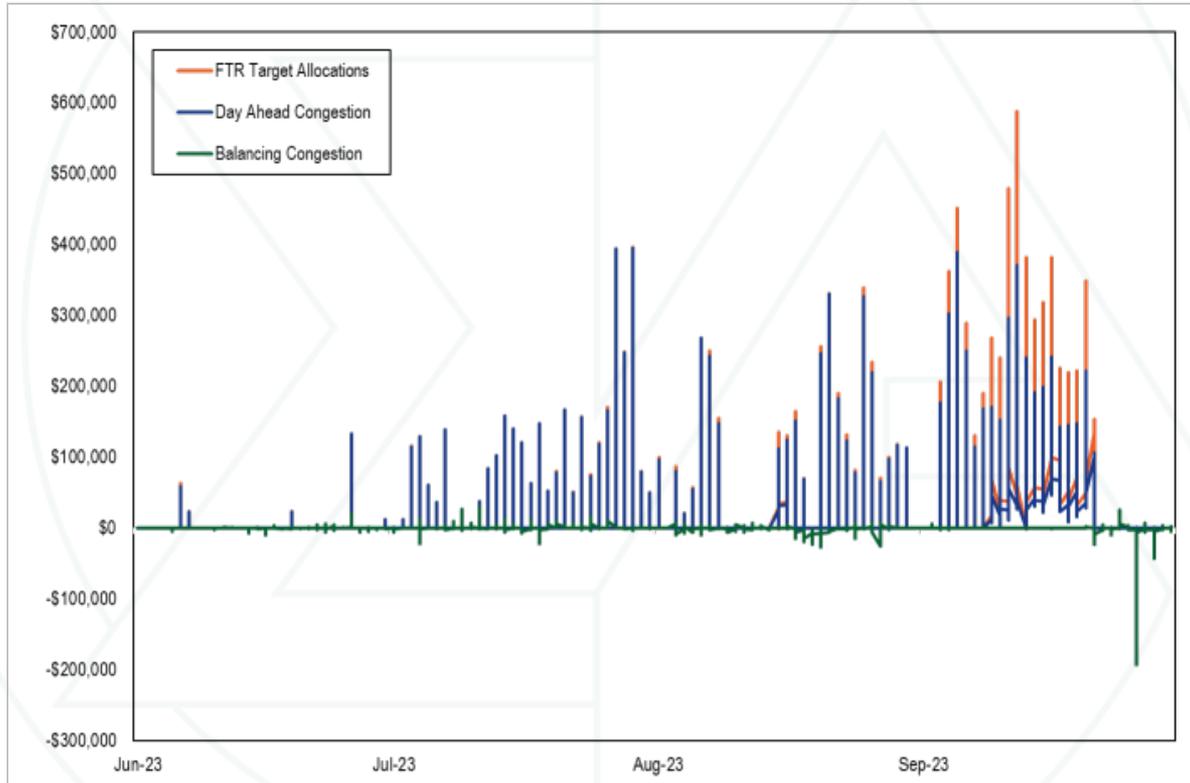
# FTR market flow that is less than binding constraint limits

Month	Binding Constraint Hours	Constraint Hours where FTR Flow < Constraint Limit	Percent of Constraint Hours where FTR Flow < Constraint Limit	Average		Average Balancing			FTR Target	Excess FTR	Average
				Total Congestion	Congestion Per Constraint Hour	Balancing Congestion	Congestion Per Constraint Hour	FTR Target Allocations	Allocations Per Constraint Hour	Target Allocations	Per Constraint Hour
Jun-22	4,314	30	0.7%	\$201,456	\$6,715	\$0	\$0	\$145,889	\$4,863	(\$55,567)	(\$1,852)
Jul-22	5,930	114	1.9%	\$1,258,252	\$11,037	\$0	\$0	\$621,793	\$5,454	(\$636,458)	(\$5,583)
Aug-22	5,043	3	0.1%	\$16,816	\$5,605	\$0	\$0	\$3,037	\$1,012	(\$13,780)	(\$4,593)
Sep-22	4,783	24	0.5%	\$180,019	\$7,501	\$0	\$0	\$92,010	\$3,834	(\$88,010)	(\$3,667)
Oct-22	6,697	32	0.5%	\$182,033	\$5,689	\$0	\$0	\$88,824	\$2,776	(\$93,209)	(\$2,913)
Nov-22	7,597	116	1.5%	\$738,963	\$6,370	\$0	\$0	\$69,430	\$599	(\$669,532)	(\$5,772)
Dec-22	8,681	240	2.8%	\$2,176,543	\$9,069	\$0	\$0	\$306,525	\$1,277	(\$1,870,018)	(\$7,792)
Jan-23	6,272	128	2.0%	\$177,842	\$1,389	\$0	\$0	\$45,926	\$359	(\$131,916)	(\$1,031)
Feb-23	6,223	25	0.4%	\$157,691	\$6,308	\$0	\$0	\$87,354	\$3,494	(\$70,337)	(\$2,813)
Mar-23	6,328	32	0.5%	\$279,514	\$8,735	\$0	\$0	\$95,550	\$2,986	(\$183,964)	(\$5,749)
Apr-23	6,816	138	2.0%	\$1,726,662	\$12,512	\$0	\$0	\$765,563	\$5,548	(\$961,099)	(\$6,964)
May-23	6,769	8	0.1%	\$13,764	\$1,720	\$0	\$0	\$1,715	\$214	(\$12,049)	(\$1,506)
Summary for 2022/2023 Planning Period											
Total	75,453	890	1.2%	\$7,109,554	\$7,988	\$0	\$0	\$2,323,615	\$2,611	(\$4,785,939)	(\$5,377)
Jun-23	5,930	114	1.9%	\$1,258,252	\$11,037	\$0	\$0	\$621,793	\$5,454	(\$636,458)	(\$5,583)
Jul-23	6,728	27	0.4%	\$819,708	\$30,360	\$0	\$0	\$341,660	\$12,654	(\$478,048)	(\$17,705)
Aug-23	5,594	7	0.1%	\$7,900	\$1,129	\$0	\$0	\$2,236	\$319	(\$5,664)	(\$809)
Sep-23	5,842	49	0.8%	\$176,209	\$3,596	\$0	\$0	\$52,157	\$1,064	(\$124,052)	(\$2,532)
Summary for 2023/2024 Planning Period											
Total	24,094	197	0.8%	\$2,262,068	\$11,483	\$0	\$0	\$1,017,846	\$5,167	(\$1,244,222)	(\$6,316)

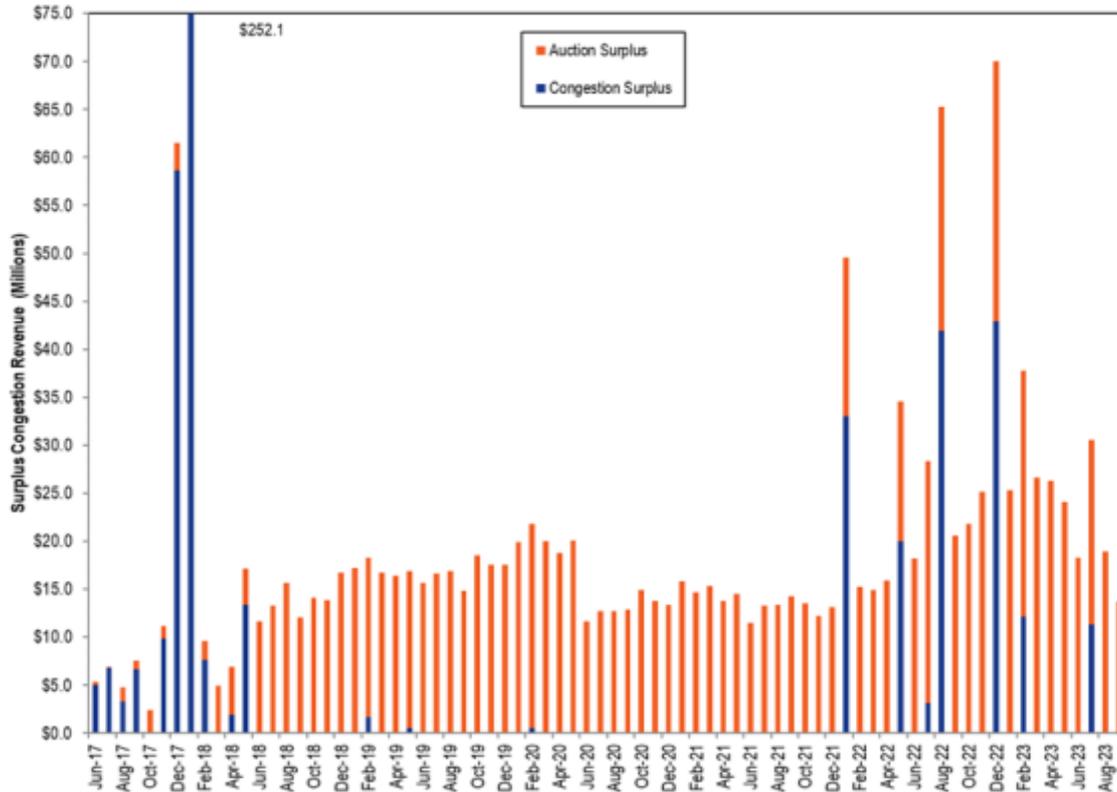
# Top ten constraint sources of positive FTR target allocations



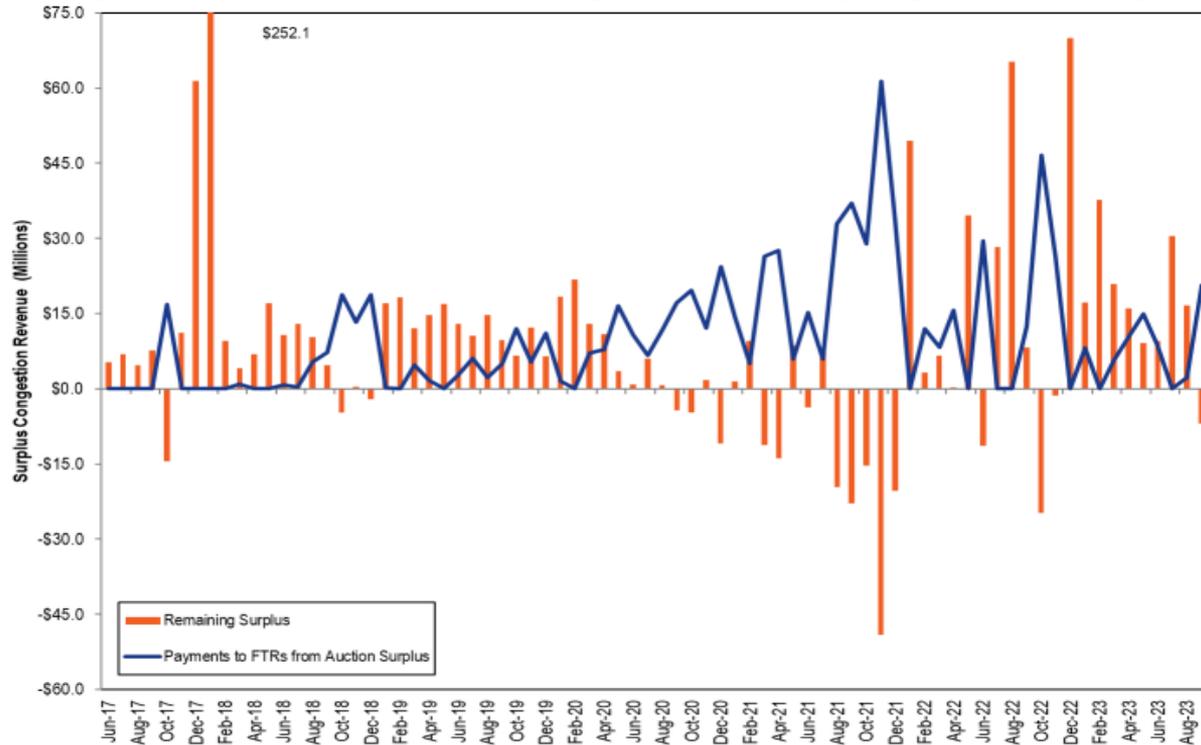
# Hourly Target Allocations and Congestion for the Conastone – Northwest Constraint



# Monthly surplus auction revenue and surplus congestion revenue: June 2017 through September 2023



# Monthly ARR surplus revenue distributed to FTR: June 2017 through September



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