### **ARR/FTR**

MMUAC December 1, 2023 IMM



# FTR market flow that is greater than binding constraint limits

											Excess FTR
		Constraint	Percent of		Average		Average				Target
	Binding	Hours where	<b>Constraint Hours</b>		Congestion		Balancing		FTR Target	Excess FTR	Allocations
	Constraint	FTR Flow >	where FTR Flow	Total	Per Constraint	Balancing	<b>Congestion Per</b>	FTR Target	Allocations Per	Target	Per Constraint
Month	Hours (	Constraint Limit	> Constraint Limit	Congestion	Hour	Congestion	Constraint Hour	Allocations	Constraint Hour	Allocations	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%	\$69,160,823	\$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
Summa	ry for 2022/20	23 Planning Perio	bd								
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

Average

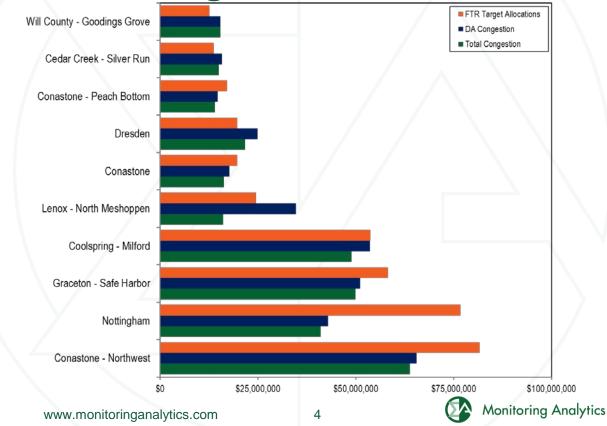
# FTR market flow that is less than binding constraint limits

											ritorago
											Excess FTR
		Constraint	Percent of								Target
	Binding	Hours where	Constraint Hours		Average		Average Balancing		FTR Target		Allocations
	Constraint	FTR Flow <	where FTR Flow	Total	Congestion Per	Balancing	Congestion Per	FTR Target	Allocations Per	Target	Per Constraint
Month	Hours	Constraint Limit	< Constraint Limit	Congestion	Constraint Hour	Congestion	Constraint Hour	Allocations	Constraint Hour	Allocations	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 20	)22/2023 Plan	ning 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 20	)23/2024 Plan	ning Period				
Total	24,094	197	0.8%	\$2,262,068	\$11,483	\$0	\$0	\$1,017,846	\$5,167	(\$1,244,222)	(\$6,316)



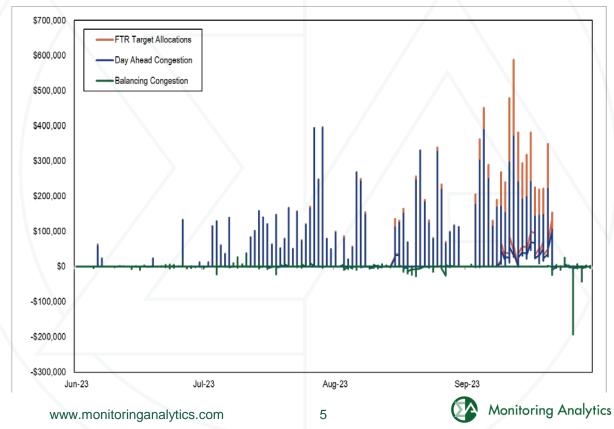
Average

# Top ten constraint sources of positive FTR target allocations



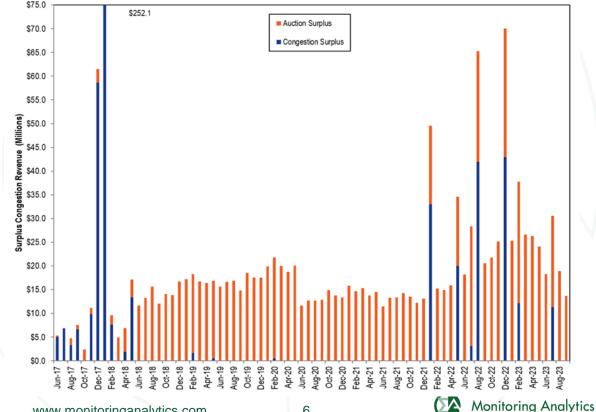
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#### Hourly Target Allocations and Congestion for the Conastone – Northwest Constraint



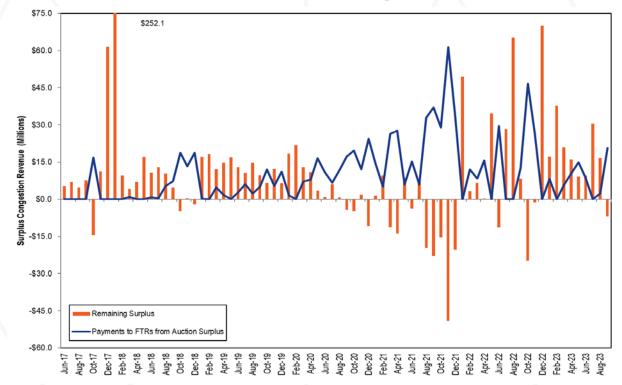
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### Monthly surplus auction revenue and surplus congestion revenue: June 2017 through September 2023



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





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