Potential to avoid offer capping via the use of virtual bids

SPWG February 18, 2010 Howard J. Haas



Discussion

INCs and DECs can directly affect the DA market price

- They can be marginal
- They can affect DA dispatch
- They can affect other participant positions (load, generation, FTR, etc)

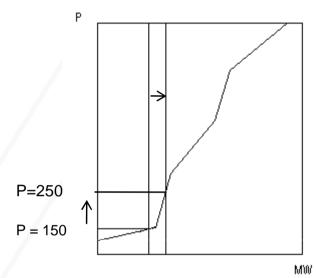


MMU Concerns

- In the context of the current market design and absent other positions, INC and DEC arbitrage incentives are consistent with market efficiency improvement
- The presence of other interests can create incentives counter to arbitrage
- Offer caps in excess of \$1,000 on INCs and DECs could increase opportunities to exercise market power

MMU Concerns: Leveraging Generation

DA Base Price	\$ 150
DA Actual Price	\$ 250
DA Price Delta	\$ 100
DEC MW	-10
RT Price	\$ 150
RT Delta to DA Base	\$ -
RT Delta to DA Actual	\$ (100)
Virtual Bid/offer profit/loss	\$ (1,000)



DA Generation	MW	Price	MC	Revenue	Cost
DA Base Generation	500	150	150	75000	75000
DA Actual Generation	510	250	250	127500	127500

RT Generation	RT MW	RT Price	DA Price	DA MW	Revenue	Cost	Net
RT Generation Output	500	\$150	\$250	510	\$127,500	\$75,000	\$52,500
RT MW True Up	-10	\$150	\$250		(\$1,500)		(\$1,500)
Virtual Position	10	\$150	\$250	-10	(\$1,000)		(\$1,000)
					\$125,000	\$75,000	\$50,000