Why the proposed Settlements change concerns me

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Old System

Today

- Settlements calculation with mileage ratio (MR)
- Credit = CCP*MW*PS +PCP*MR*MW*PS
- · CCP = Capability Clearing Price
- · PCP=Performance Clearing Price

- In the current system, Reg D is always paid slightly more then Reg A, regardless of the effective MW Provided by the respective resource types
- I understood the goal of settlement changes being to ensure that resources were compensated equally per effective MW

New System

- In the proposed new system, Reg D will always be paid less per effective MW then RegA
- Because the MRTS is the marginal substitution rate, all non marginal Reg D resources cleared at a higher RTS, hence they were counted in clearing as more
- (Also, having separate capablilty an performance prices no longer makes any sense)

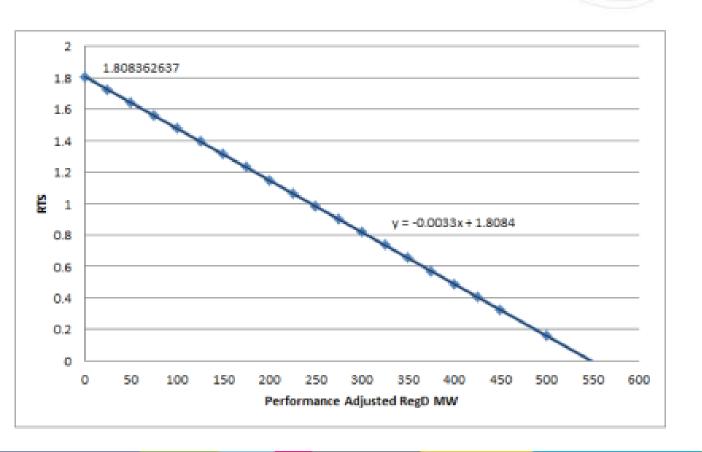
Phase 1 Go-live - ongoing

- Settlements calculation with marginal rate of technical substitution (MRTS)
- Credit= CCP*MRTS*MW*PS +PCP*MRTS*MW*PS
- CCP = Capability Clearing Price
- · PCP=Performance Clearing Price



Fall Ramping MRTS Definition

Requirement: 800 Effective MW



- 30 minute energy storage modeled
- MRTS = 1
 - 35% Perf. Adj. MW of RegD make up total Regulation Requirement
 - 245 Perf. Adj. MW of RegD
- MRTS = 0
 - 64% Perf. Adj. MW of RegD make up total Regulation Requirement
 - 548 Perf. Adj. MW of RegD

Looking at the examples

- 30 minute energy storage modeled
- MRTS = 1
 - 35% Perf. Adj. MW of RegD make up total Regulation Requirement
 - 245 Perf. Adj. MW of RegD
- MRTS = 0
 - 64% Perf. Adj. MW of RegD make up total Regulation Requirement
 - 548 Perf. Adj. MW of RegD

- For MRTS = 1
- 35% of 800MW is 280MW effective provided by Reg D.
- They would be paid the same as 245 MW RegA under the proposed method (30.625%)
- For MRTS = 0
- 64% of 800MW is 512MW effective provided by Reg D
- They would be paid nothing under the proposed method

My suggestion

- 30 minute energy storage modeled
- MRTS = 1
 - 35% Perf. Adj. MW of RegD make up total Regulation Requirement
 - 245 Perf. Adj. MW of RegD
- MRTS = 0
 - 64% Perf. Adj. MW of RegD make up total Regulation Requirement
 - 548 Perf. Adj. MW of RegD

- All reg gets paid per effective MW.
- For the MRTS = 1 example, 1MW of Reg D is 280/245 =1.143MW effective and should be paid a such.
- For MRTS = 0, 1 MW of Reg D is 512/548 = 0.934MW effective and should be paid as such