



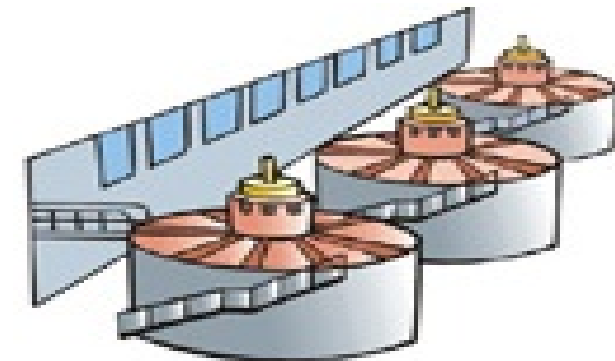
Netting Education

EMUSTF

January 29, 2015

– Supplier Netting at the Bus


- Recognize that generator injections at the same bus are electrically equivalent as far as their impact on the system.
- Generators that deviate from RT dispatch may offset deviations by another generator at the same bus.
- For deviations purposes, these two units will look like one unit



Supplier Netting Example

Generators A and B are located at the same bus. Both generators are deemed to be “not following dispatch” for a given hour.

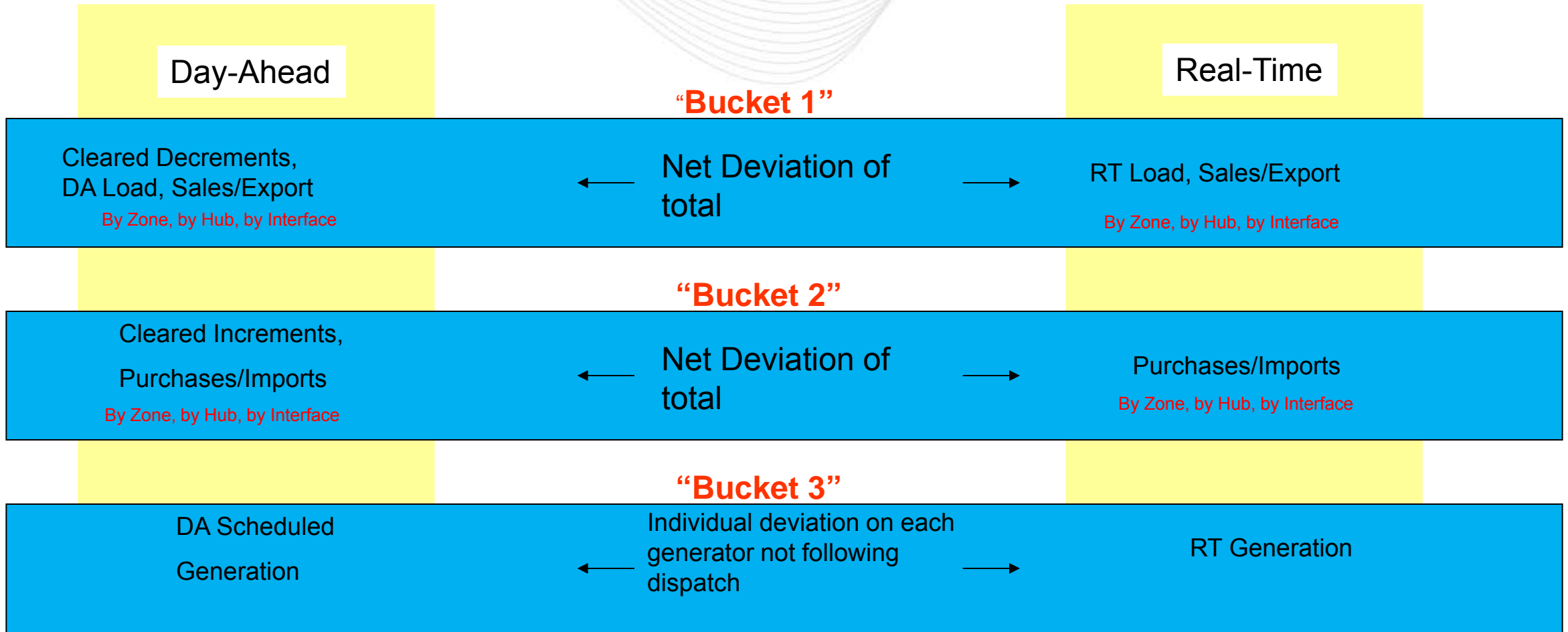
	Station A 138KV ST1	Station A 138KV ST2
RT Desired MW	100	200
RT Output (MW)	112	178
Deviation (MW)	12	-22

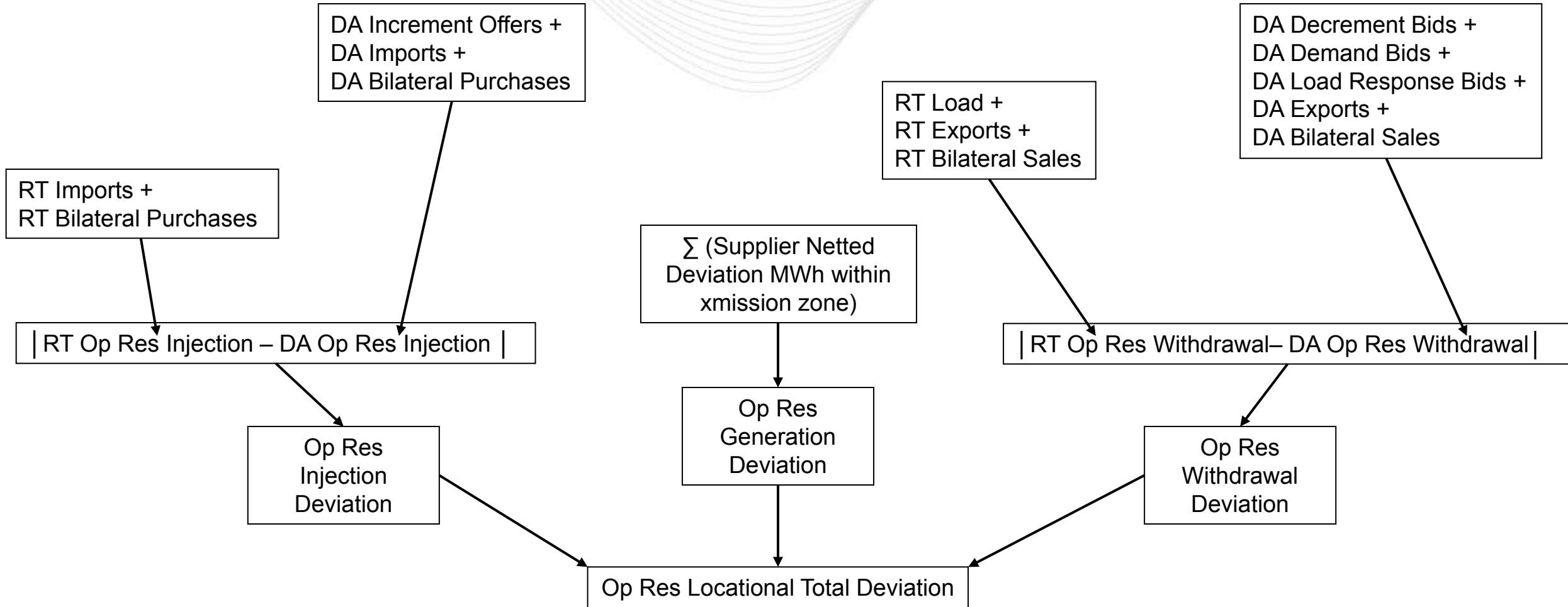
 Nets to -10 MW

Deviation MW at the Bus:
 $12\text{MW} + (-22\text{MW}) = -10\text{MW}$
 (5% or 5 MW of Desired is calculated at the individual generator level prior to netting the two deviations. In this case, both units are considered deviating.)

Total MWs subject to BOR charges: 10MW

Balancing Operating Reserve Charges Applied to:





- Resources (Gen, Economic DR, and imports) cleared in Day-ahead
- Resources (Gen, Economic DR, and imports) not cleared in Day-ahead and committed up to and including RT
 - Status quo + netting of multiple categories (types) of transactions within the same hour if transacted by same market participant at the same location

- Resources (Gen, Economic DR, and imports) not cleared in Day-ahead and committed up to and including RT
 - Status quo + alter generator deviation netting logic to include full netting of deviations under scenarios where a resource replacing another is following dispatch and incurred no deviation