

MARS Transmission Topology Update for 2014 RNA

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KCC

Potential Interfaces to Update

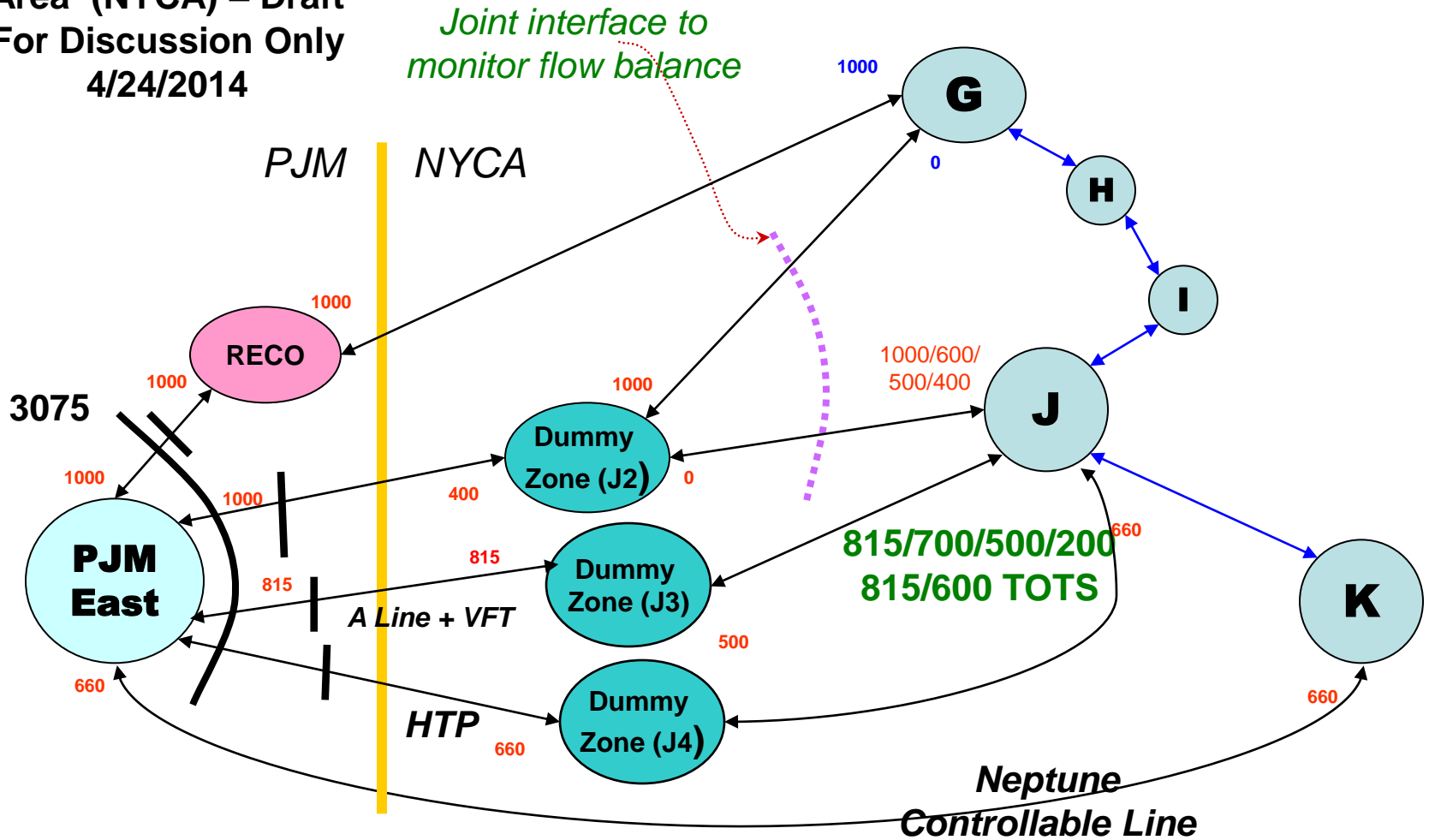
- *PJM East to G and J*
- *UPNY/SENY*
- *Central East*
- *Dysinger East*

Potential Interfaces to Update

Simultaneous Grouping NJ to G&J

- *Presently Defined as (PJM East to RECO, or RAMAPO) + (J2 to J, or ABC wheel) + (PJM East to J3, or A line excess plus VFT) + (PJM East to J4, or HTP) , modified as shown on diagram*
- *Built to capture simultaneous limits and internal limiting elements in northern New Jersey*
- *Limit based on design requirements of PJM to maintain firm withdrawals, PJM RTEP and Load Deliverability Studies to ascertain surplus for emergency assistance to NY for NY capacity emergency, and discussion with PJM*
- *Updated to reflect facilities going into service, activation of firm withdrawal rights, and capacity units. Limit increases from 2340 MW to 3075 MW, which limits simultaneous transfer from a potential of 3475 MW.*

**New York Control Area (NYCA) – Draft
For Discussion Only
4/24/2014**



$(PJM\ East\ to\ RECO) + (PJM\ East\ to\ J2) + (PJM\ East\ to\ J3) + (PJM\ East\ to\ J4) = 3075\ MW$

Potential Interfaces to Update

West Central and Dysinger East

- *Add Niagara bubble to limit Niagara Output and possibly Somerset*
- *Add Zone A East Group to limit loop flow and limit table ratings to reflect the impacts of Dunkirk and Huntley status (3450MW)*

UPNY/SENY

- *Increase from 5150 MW to 5600 MW when TOTS goes into service*
- *Increase from 1.4 to 1.5 in the following grouping formula: E to G + FtoG + 1.4*Athens-Gilboa to G + NE to G*

Potential Interfaces to Update

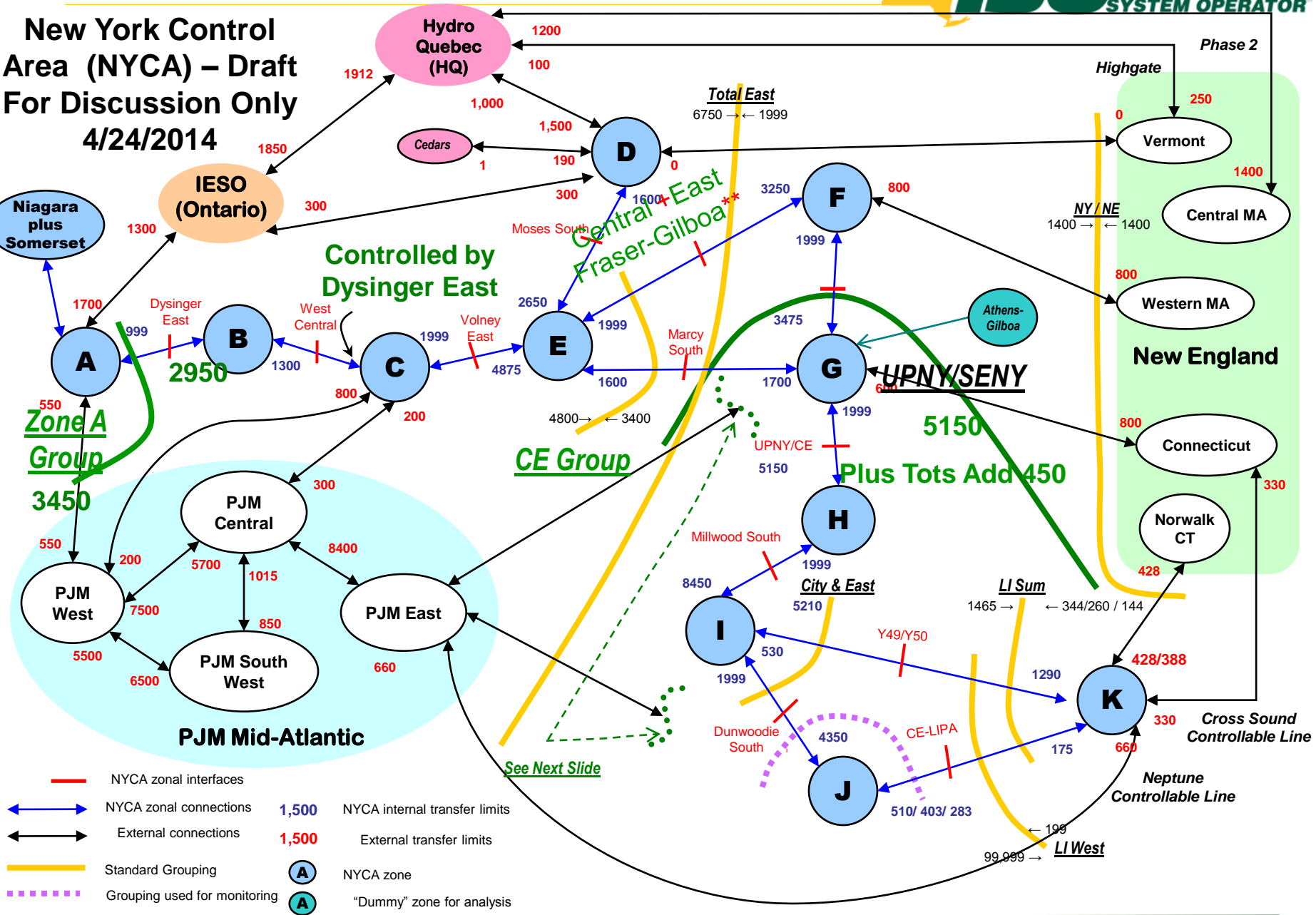
Central East

- *Implement simplified limit sensitivity table based on recently approved limit tables*
- *Apply same penalty amounts to the base Central East MARS interfaces*

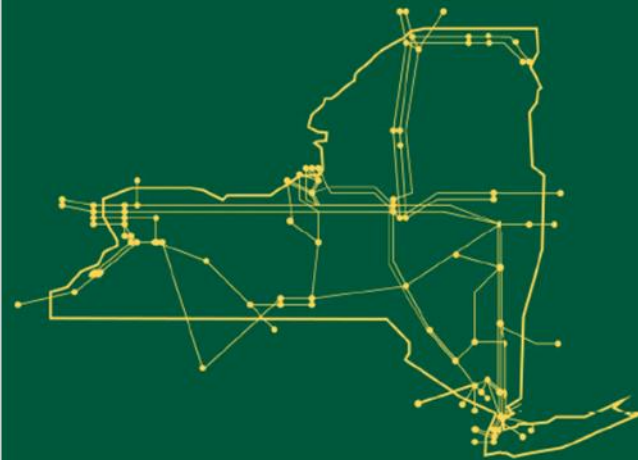
Transmission System Representation with changes for 2014 IRM



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