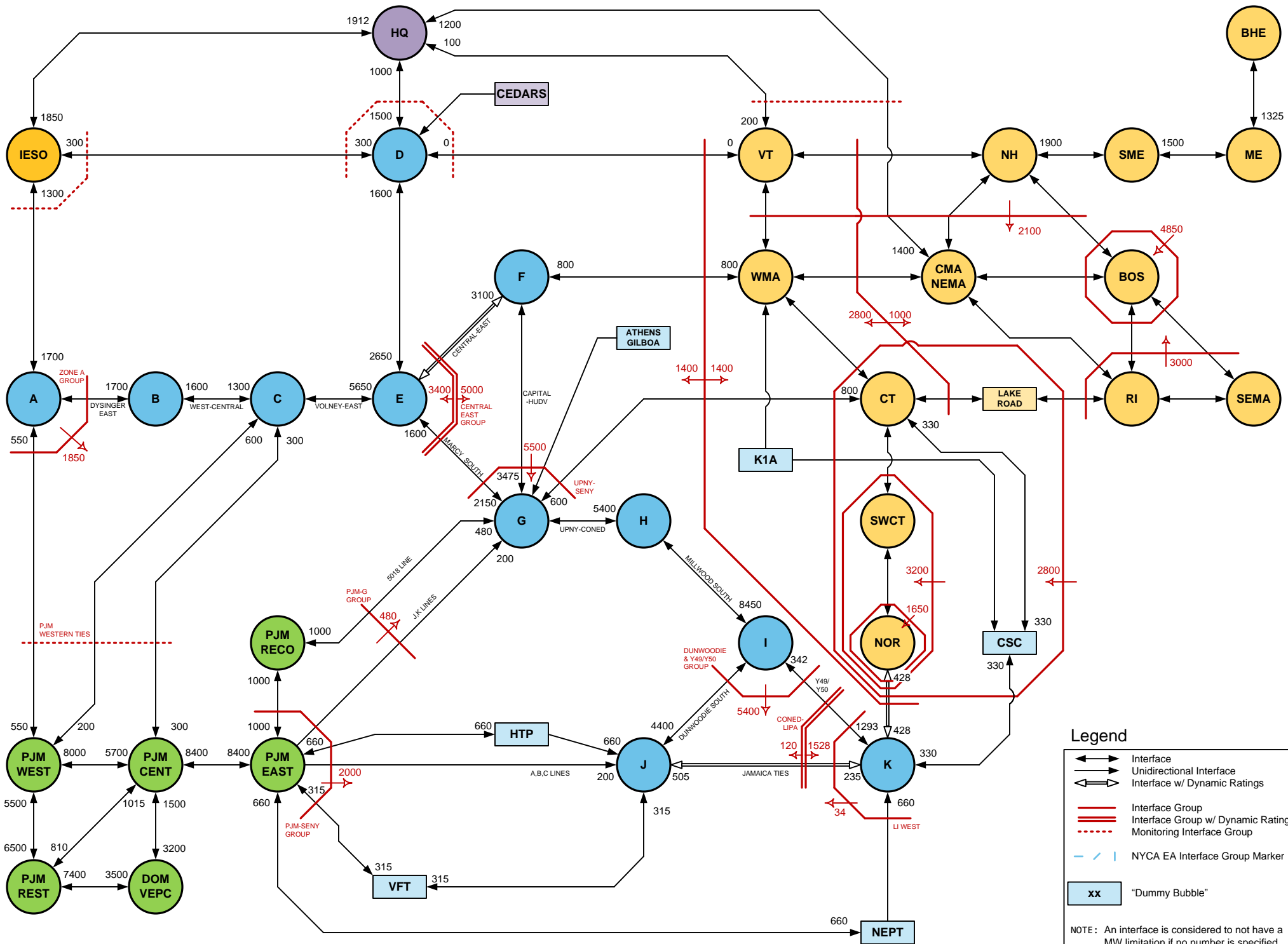


2017 IRM Final Topology



Legend

- Interface
- Unidirectional Interface
- Interface w/ Dynamic Ratings
- Interface Group
- Interface Group w/ Dynamic Ratings
- Monitoring Interface Group
- NYCA EA Interface Group Marker
- "Dummy Bubble"

NOTE: An interface is considered to not have a MW limitation if no number is specified

2018 IRM Preliminary Topology Additional Info

| Interface Group | Limit | Flow Equation |
|-----------------|-------|--|
| UPNYSENY | 5,500 | $F_to_G + E_to_G - HUDV_NE + 1.5*ATHENS_G + 0.3*CPVVEC_G$ |
| E2G_CPV | 2,250 | $E_to_G + 0.9*CPVVEC_G$ |
| LI_WEST | 25 | $K_to_I\&J - 0.13*K_NEPT$ |

Central East Voltage Limits, Oswego Complex Units

| Depends On: | 9MILP1, 9MILP2, FPNUC1, STHIND, OS05, OS06 | | | |
|-----------------|--|-------|---------|-------|
| Units Available | E_to_F | | E_to_FG | |
| | Fwd | Rev | Fwd | Rev |
| 6 | 3,100 | 1,999 | 5,000 | 3,400 |
| 5 | 3,050 | 1,999 | 4,925 | 3,400 |
| 4 | 2,990 | 1,999 | 4,840 | 3,400 |
| 3 | 2,885 | 1,999 | 4,685 | 3,400 |
| 2 | 2,770 | 1,999 | 4,510 | 3,400 |
| Otherwise: | 2,645 | 1,999 | 4,310 | 3,400 |

Staten Island Import Limits, AK and Linden CoGen Units

| Unit Availability | | | | J_to_J3 | |
|-------------------|------|---------|---------|---------|-----|
| AK02 | AK03 | LINCOG1 | LINCOG2 | Fwd | Rev |
| A | A | A | A | 315 | 200 |
| U | A | A | A | 315 | 500 |
| A | U | A | A | 315 | 700 |
| A | A | U | A | 315 | 500 |
| A | A | A | U | 315 | 500 |
| Otherwise: | | | | 315 | 815 |

Long Island Import Limits, Northport

| Depends On: | NPRTG1, NPRTS1-4 | |
|-----------------|------------------|-----|
| Units Available | LI_NE | |
| | Fwd | Rev |
| 5 | 369 | 428 |
| Otherwise: | 428 | 428 |

Long Island Import Limits, Barret Steam Units

| Depends On: | BARS01, BARS02 | | | |
|-----------------|----------------|-----|---------|-----|
| Units Available | J_to_K | | IJ_to_K | |
| | Fwd | Rev | Fwd | Rev |
| 2 | 235 | 495 | 1,528 | 111 |
| 1 | 235 | 380 | 1,528 | 82 |
| 0 | 235 | 226 | 1,528 | 0 |

| PJM-NY JOA Flow Distribution (Jan 31, 2017 filing) | RECO Load Deliveries | PJM-NY Emergency Assistance |
|--|----------------------|-----------------------------|
| PJM-NY Western Ties | 20% | 32% |
| 5018 Line | 80% | 32% |
| JK Lines | 0% | 15% |
| A Line | 0% | 7% |
| BC Lines | 0% | 14% |