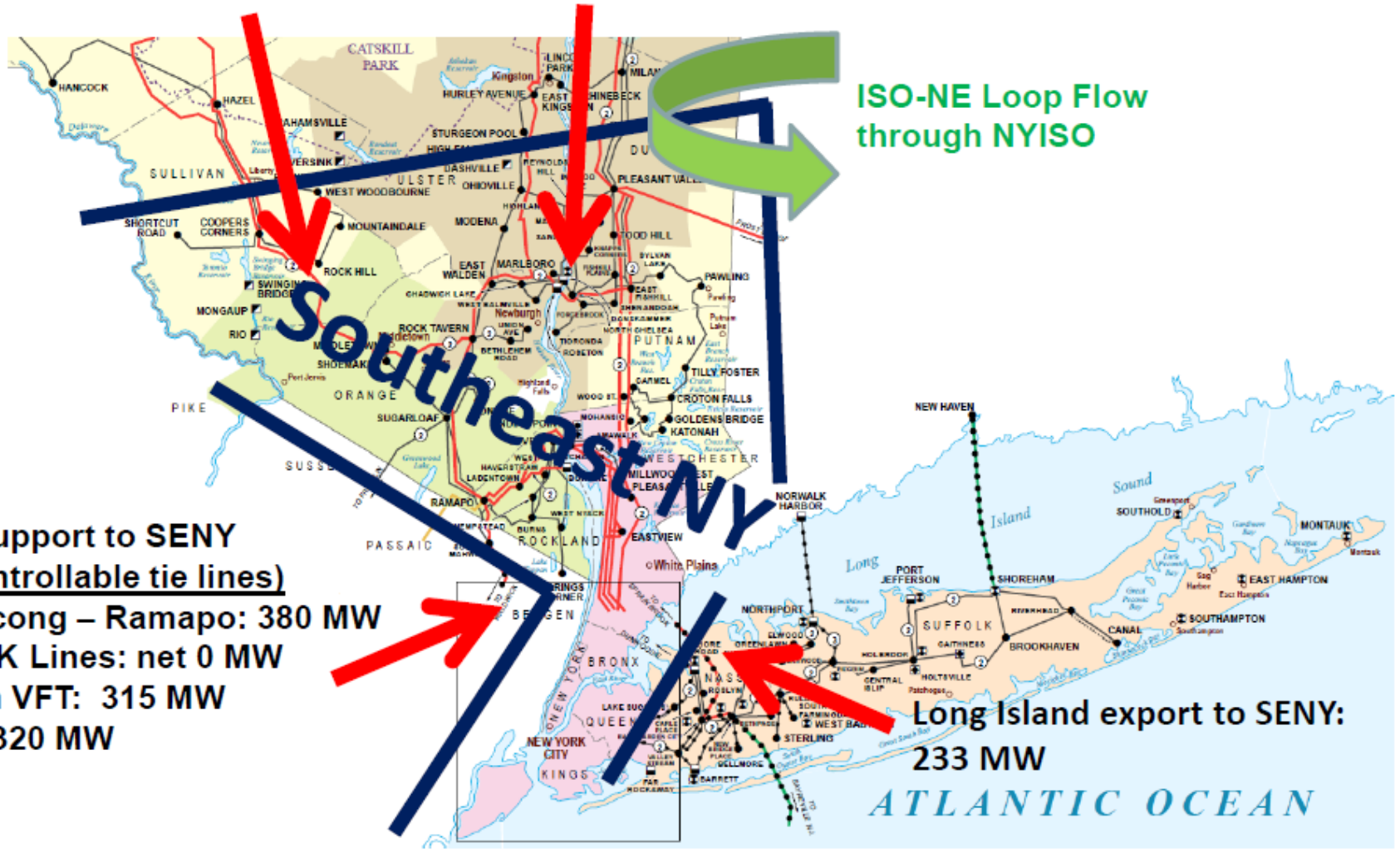
NEW YORK STATE OF OPPORTUNITY. | Department of Public Service

AC Transmission
and
Public Policy Transmission Needs

December 17, 2015

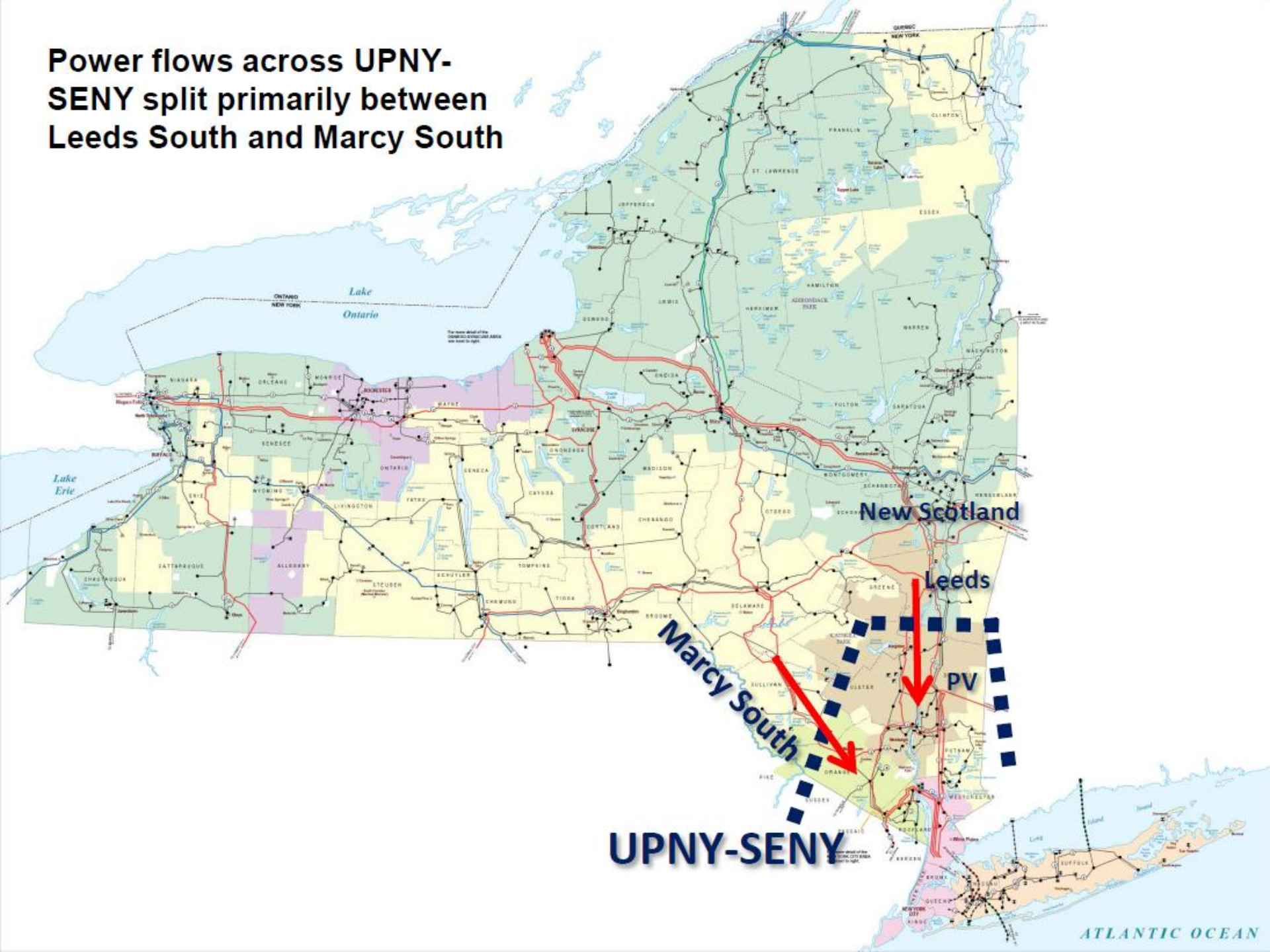
Factors on SENY Limitations

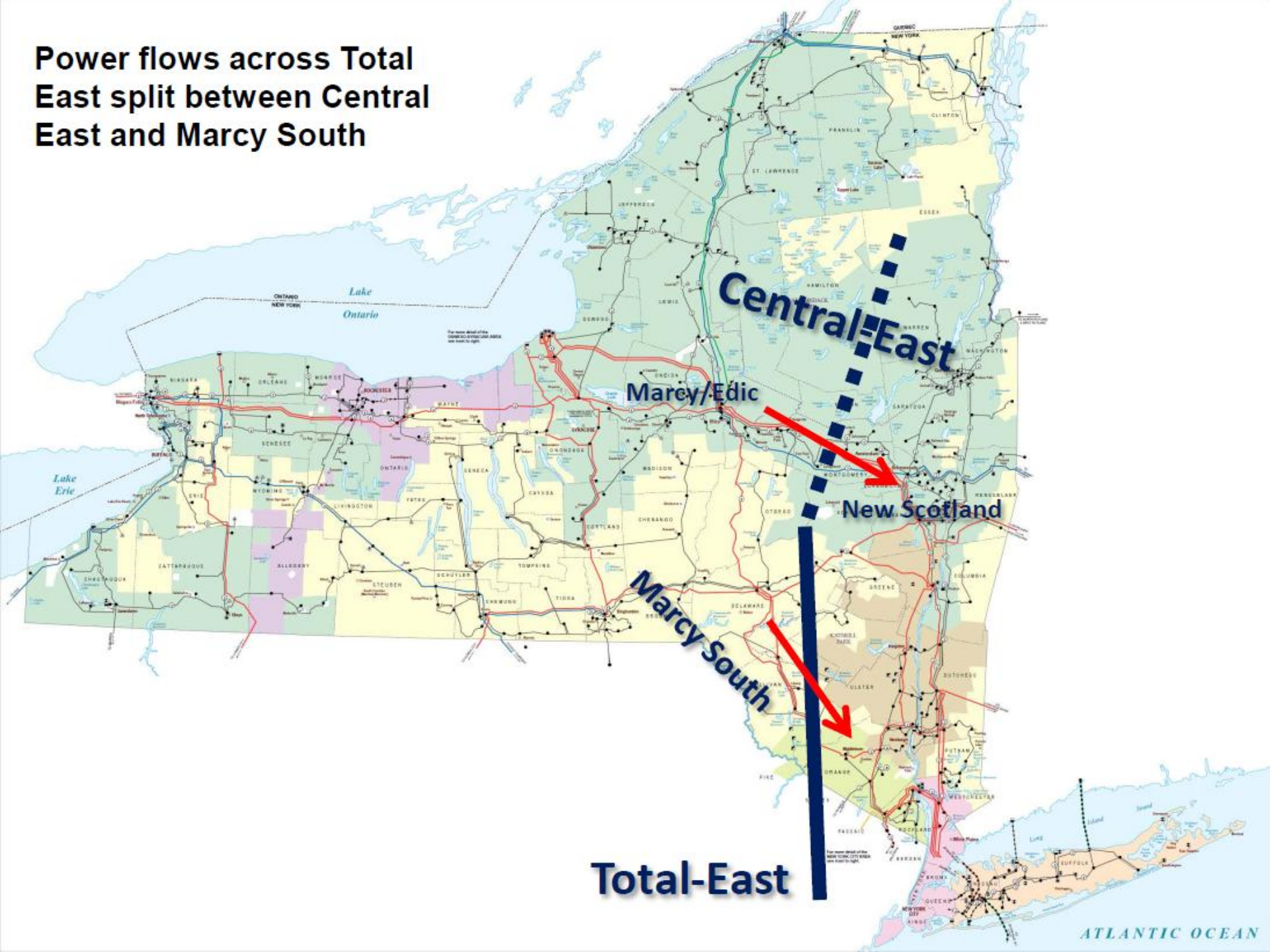
Distribution of flow between Marcy South and Leeds South paths

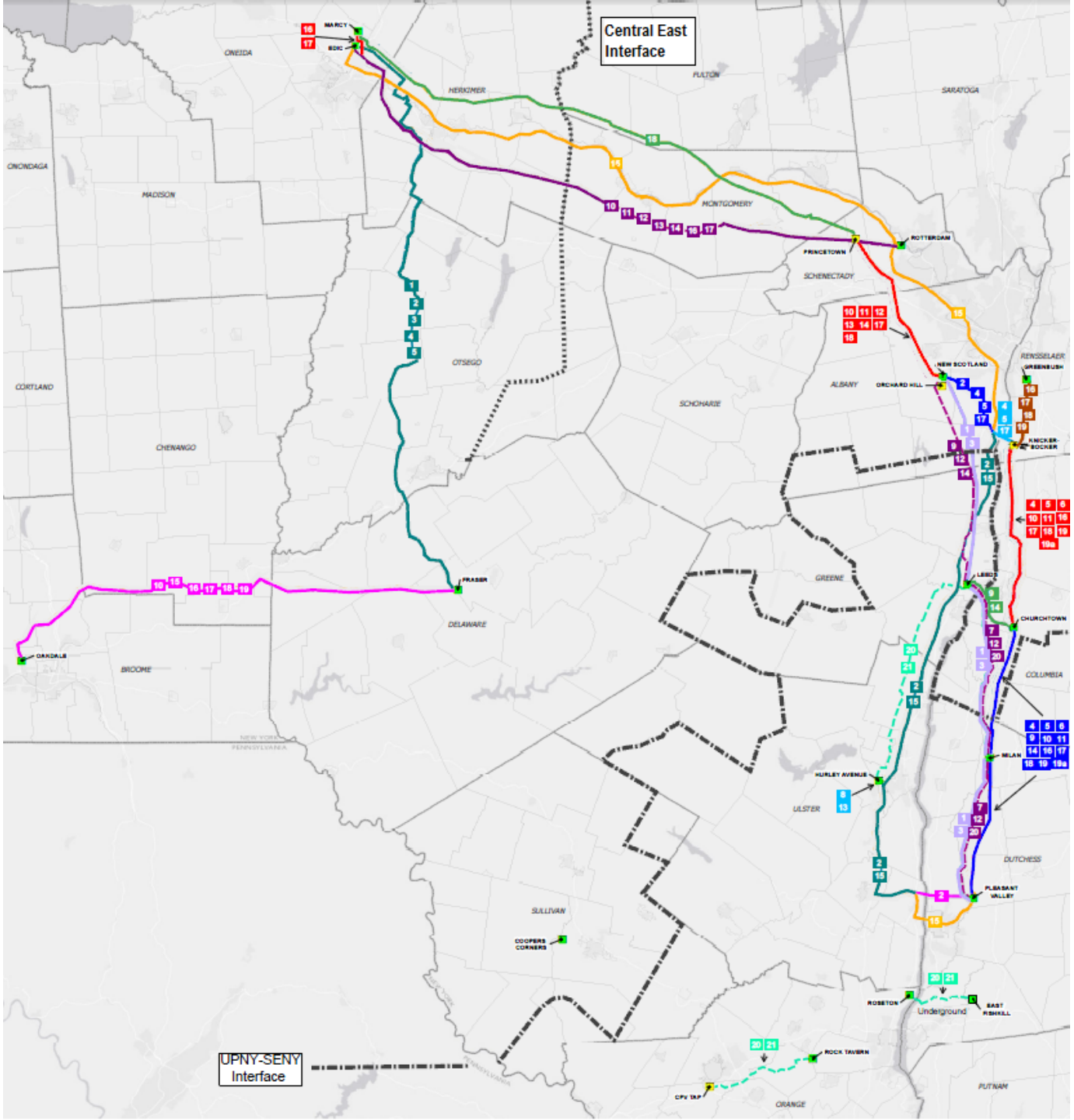


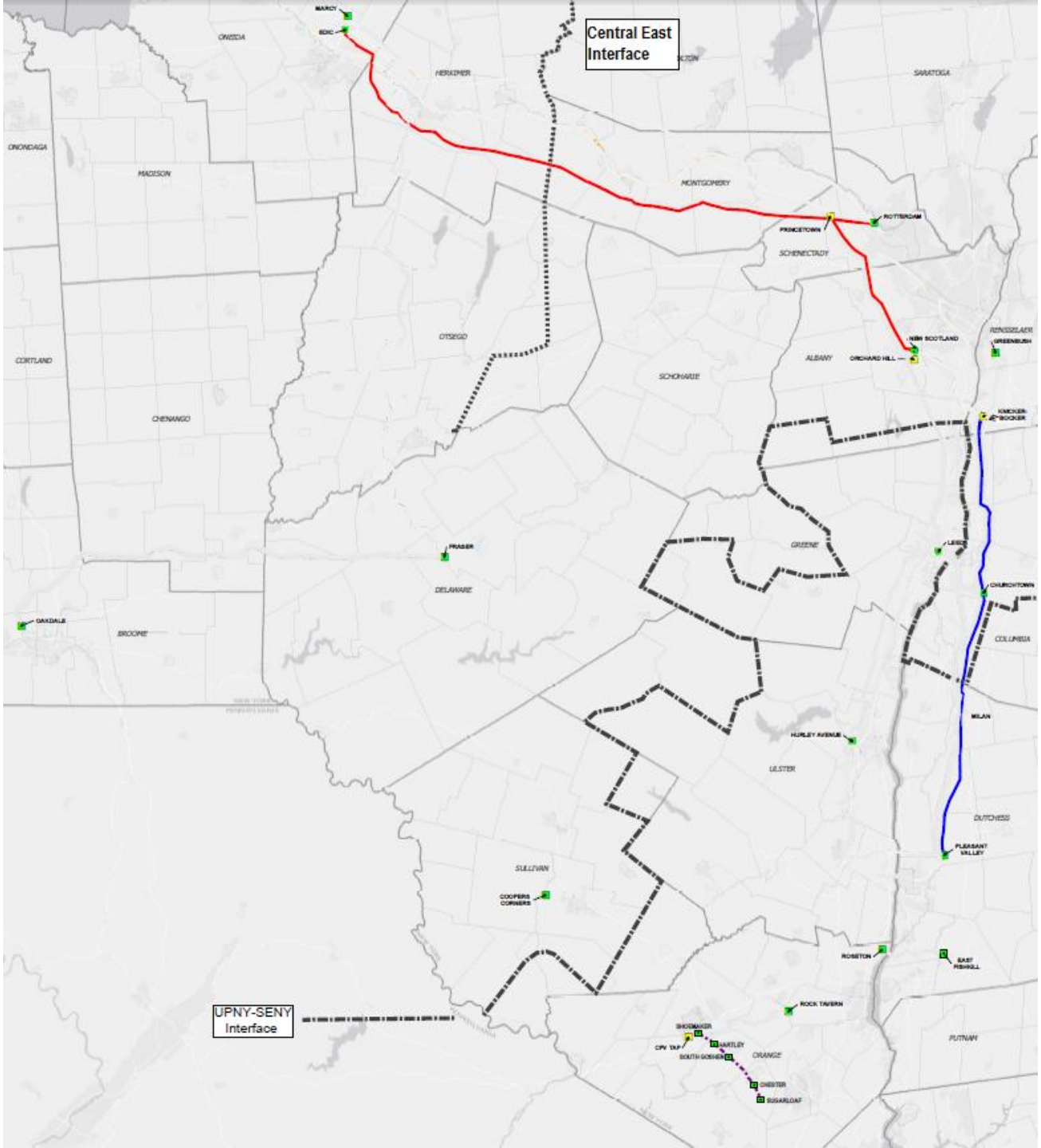
PJM support to SENY
(all controllable tie lines)
Hopatcong – Ramapo: 380 MW
ABC-JK Lines: net 0 MW
Linden VFT: 315 MW
HTP: 320 MW

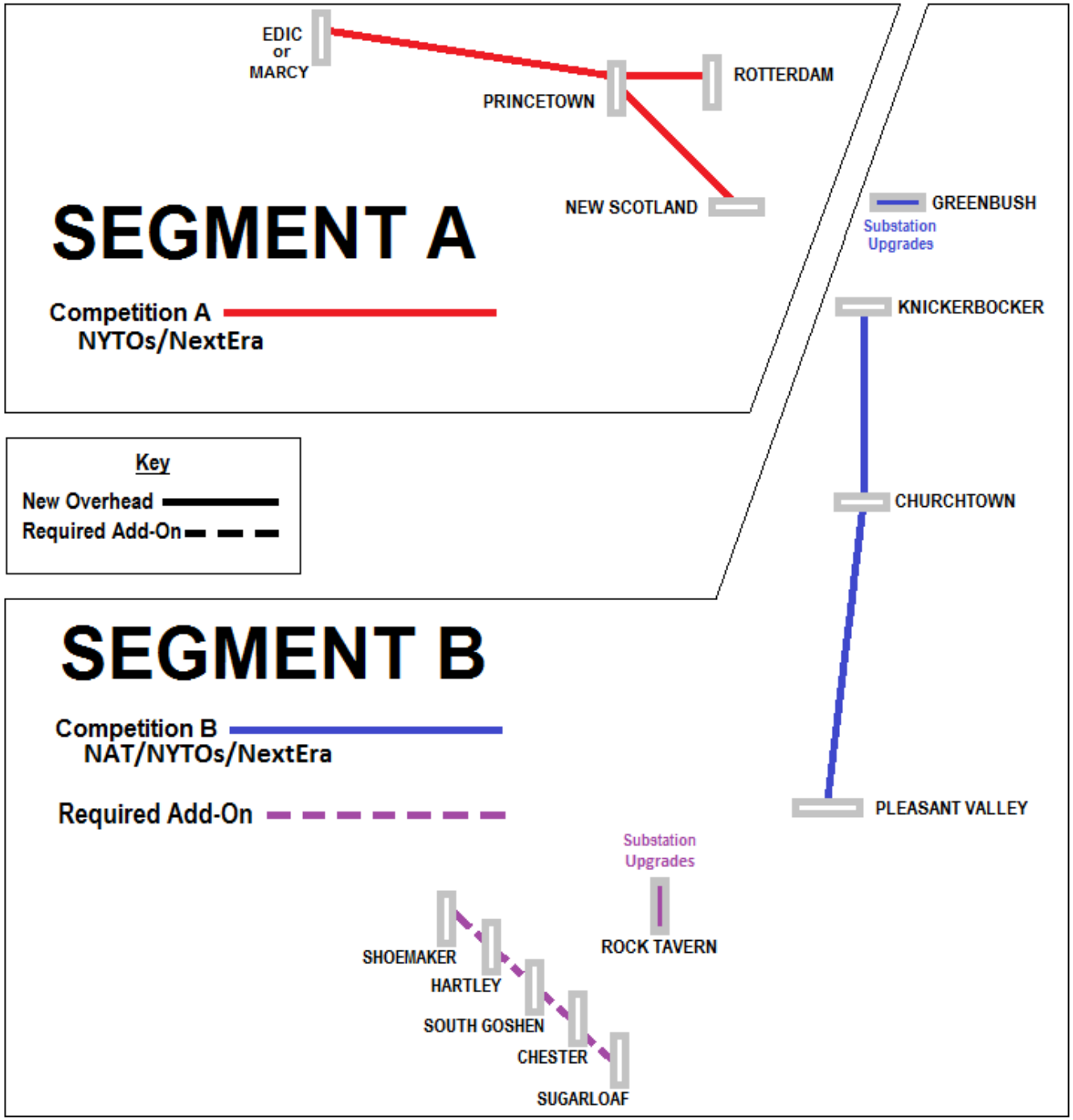
Power flows across UPNY-SENY split primarily between Leeds South and Marcy South

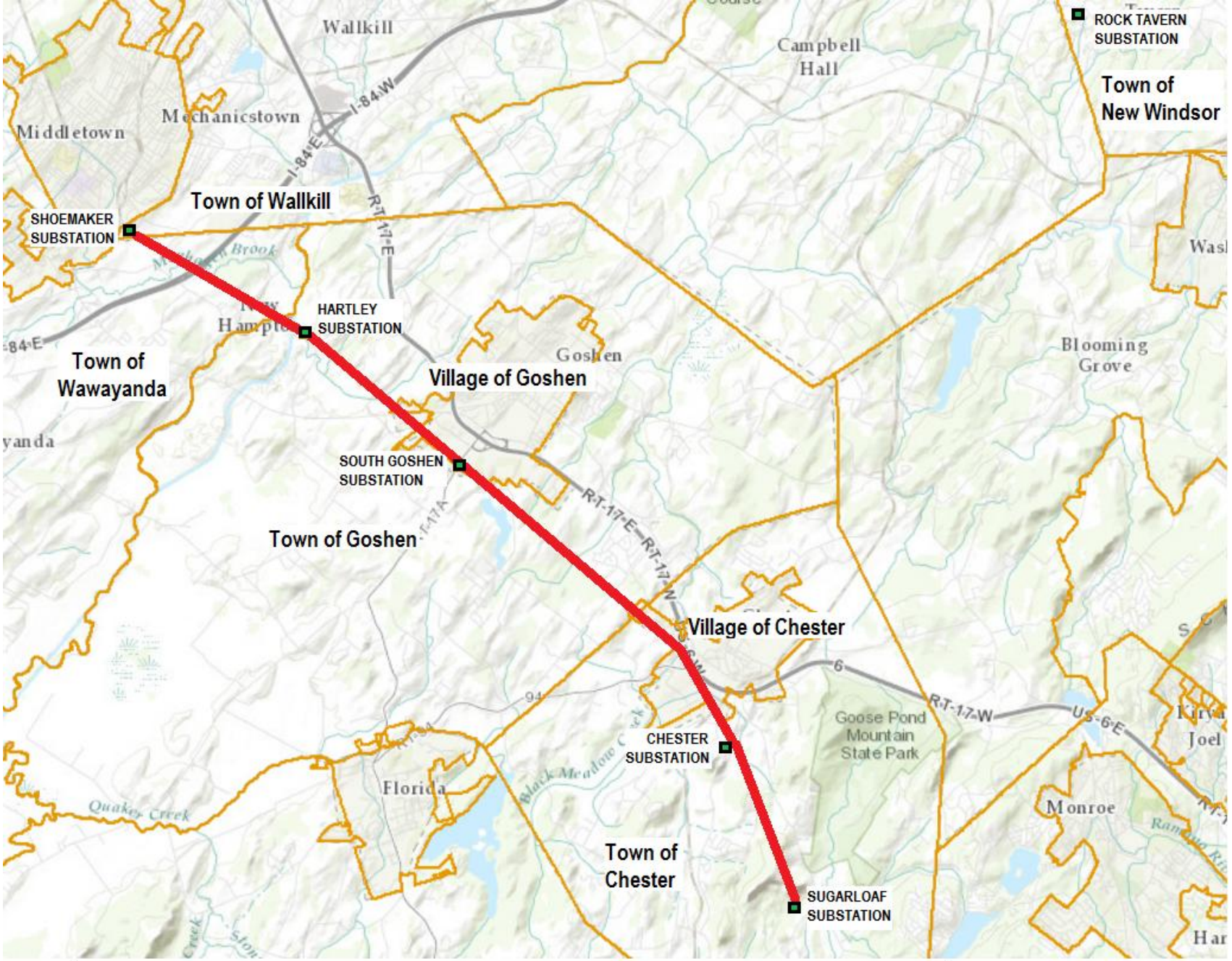



Power flows across Total East split between Central East and Marcy South
Central-East
Marcy/Edic
New Scotland
Marcy South
Total-East
Lake Ontario
Lake Erie
ATLANTIC OCEAN


Central East Interface
UPNY-SENY Interface
MARCY
ONEIDA
HERKIMER
FULTON
SARATOGA
ONONDAGA
MADISON
MONTGOMERY
ROTTERDAM
PRINCETOWN
SCHENECTADY
OTSEGO
CORTLAND
CHENANGO
SCHOHARIE
ALBANY
NEW SCOTLAND
ORCHARD HILL
RENSSELAER
GREENBUSH
KNICKERBOCKER
GREENE
LEEDS
CHURCHTOWN
COLUMBIA
DELAWARE
FRASER
OAKDALE
BROOME
NEW YORK
PENNSYLVANIA
HURLEY AVENUE
ULSTER
MILAN
DUTCHESS
PLEASANT VALLEY
SULLIVAN
COOPERS CORNERS
ROSETON
Underground
EAST FISHKILL
ROCK TAVERN
CPV TAP
ORANGE
PUTNAM


Central East Interface
UPNY-SENY Interface
MARCY
EDIC
ONEIDA
HERKIMER
SARATOGA
ONONDAGA
MADISON
MONTGOMERY
PRINCETOWN
ROTTERDAM
SCHENECTADY
CORTLAND
OTSEGO
NEW SCOTLAND
ORCHARD HILL
ALBANY
RENSSELAER
GREENBUSH
SCHOHARIE
CHENANGO
KNICKERBOCKER
FRASER
DELAWARE
GREENE
OAKDALE
BROOME
CHURCHTOWN
COLUMBIA
MILAN
HURLEY AVENUE
ULSTER
DUTCHESS
PLEASANT VALLEY
SULLIVAN
COOPERS CORNERS
ROSETON
EAST FISHKILL
ROCK TAVERN
PUTNAM
ORANGE
CHESTER
SUGARLOAF

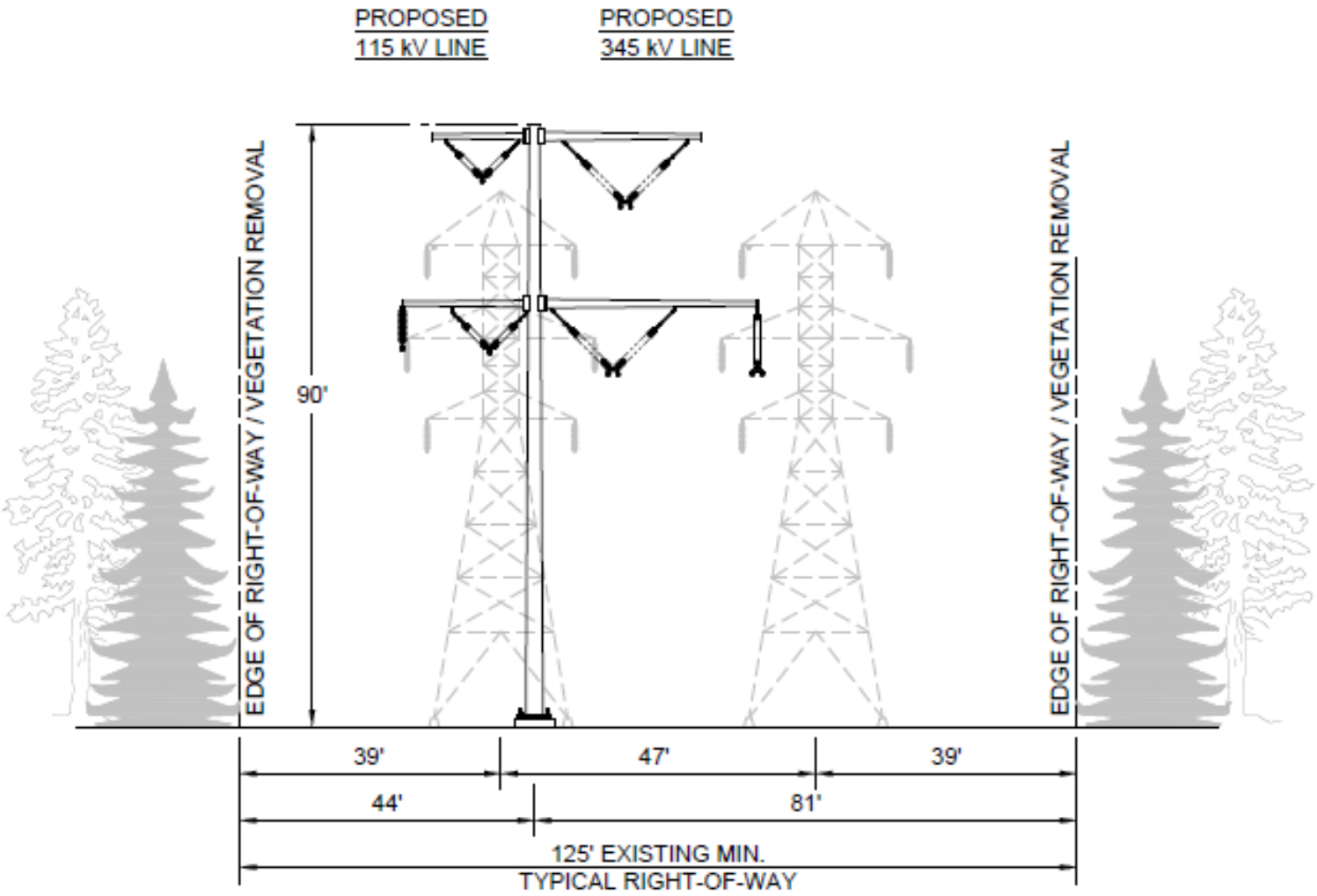

EDIC
or
MARCY
PRINCETOWN
ROTTERDAM
NEW SCOTLAND
SEGMENT A
Competition A
NYTOs/NextEra
GREENBUSH
Substation
Upgrades
KNICKERBOCKER
CHURCHTOWN
PLEASANT VALLEY
Key
New Overhead
Required Add-On
SEGMENT B
Competition B
NAT/NYTOs/NextEra
Required Add-On
Substation
Upgrades
ROCK TAVERN
SHOEMAKER
HARTLEY
SOUTH GOSHEN
CHESTER
SUGARLOAF



Key:

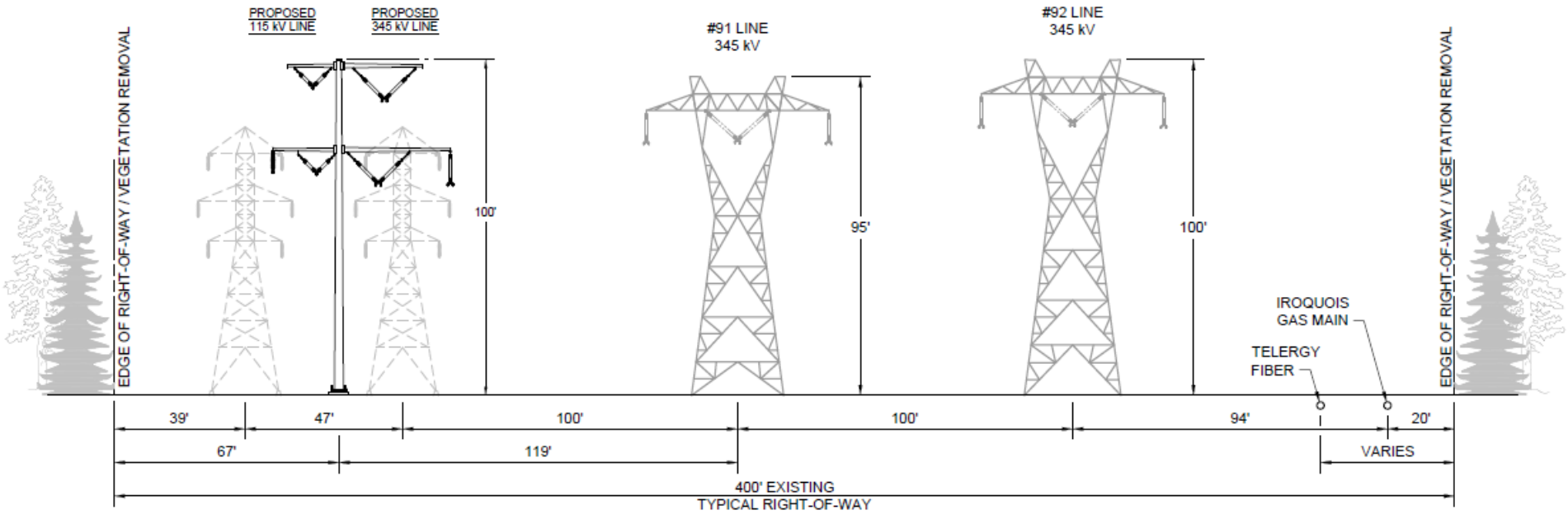
Double-Circuit 69 kV Power Lines to be upgraded to 138 KV

Substations to be Upgraded



PROPOSED CROSS SECTION

CT-PV XS-1



CT-PV XS-5

PROPOSED CROSS SECTION

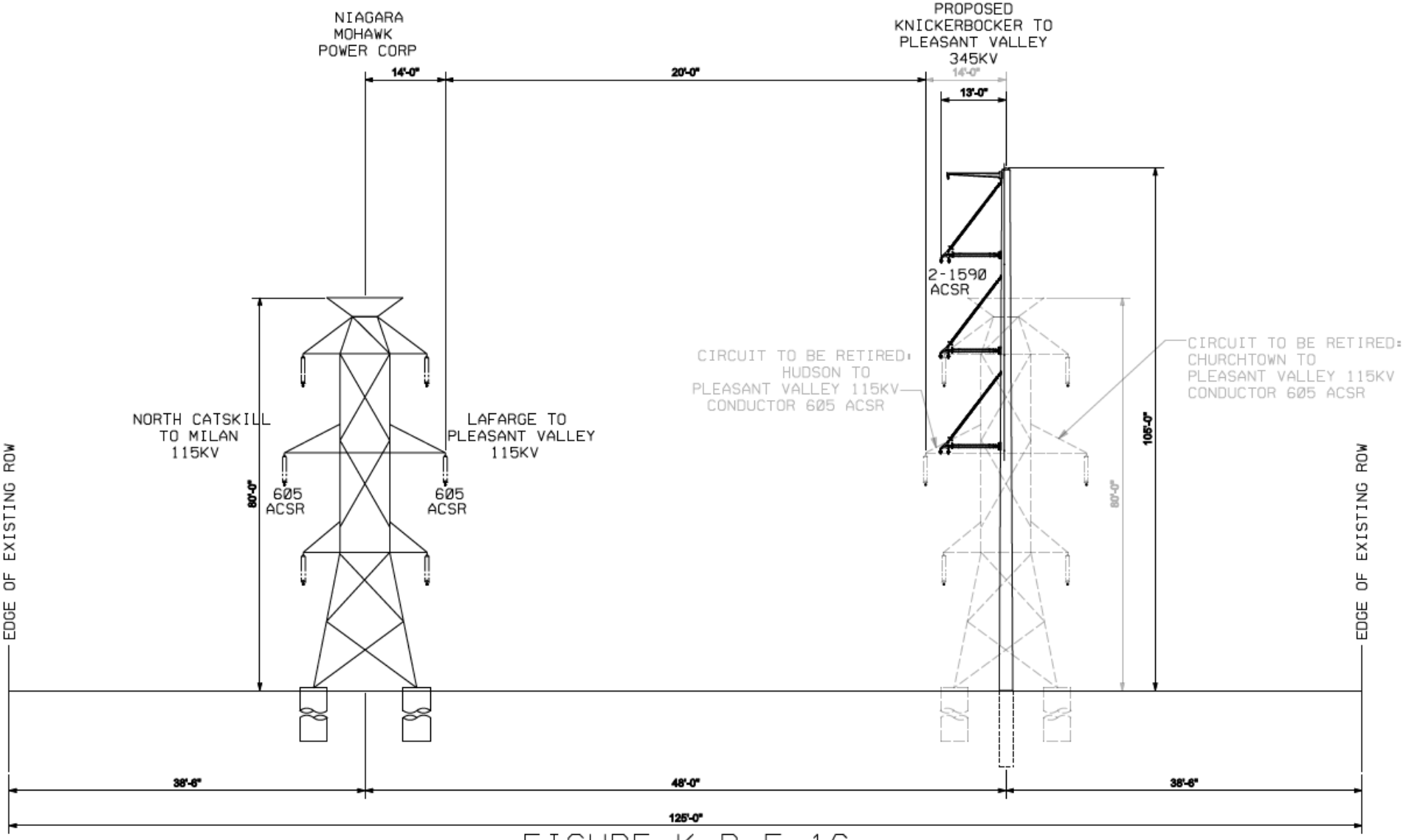
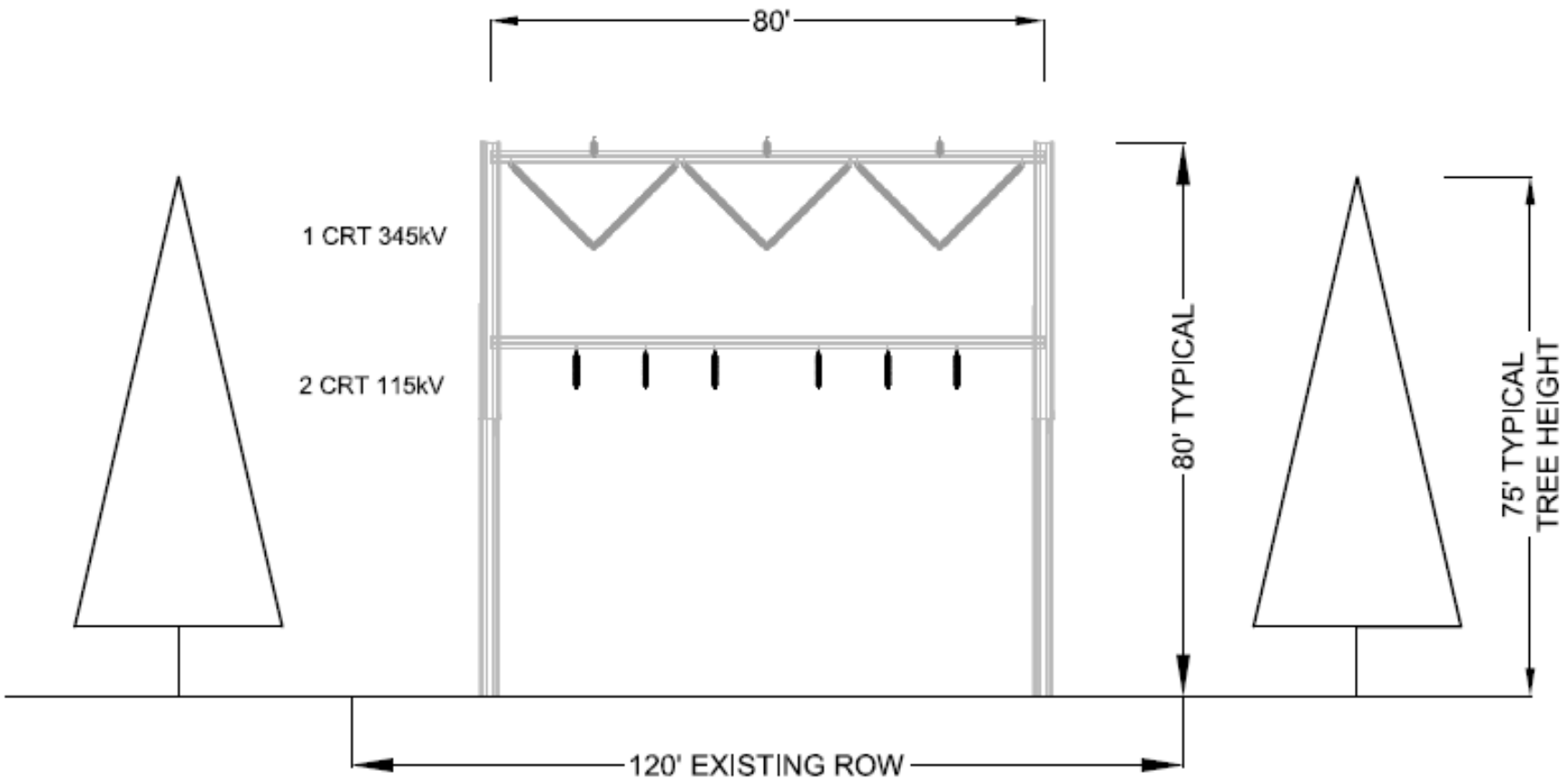


FIGURE K-B-5-16

LOOKING TOWARD CHURCHTOWN SUBSTATION



Proposed Cross Section
Knickerbocker to Pleasant Valley

Ex. 2, Section 3