

Defensive Strategies Report to EC

G Smith 4/8/16

Meeting with NYISO and NYSERDA (3/11/16) – Project Performance

- G Smith authorized to contact Enernex Co-CEO
- Discussion with Bob Zavidil
- Good Result
 - Bob committed to fulfill all scope items to our satisfaction
 - Independent of where Enernex stands with regard to fixed price contract
 - Project plan to be updated with detailed milestone and dates

Current Progress

- Kalman filter implementation operational
 - Tested with PSS/E data from NY stability model
 - Stable and unstable cases tested
 - Reasonably good fit with regard to differential angle data
 - However, concern with ability to predict angle differences ahead
 - “one size fits all” model tuning may be problematic
 - Heavily dependent on PMU noise – still seeking info on this
- Testing of other prediction methods in progress
 - Simple least squares curve fit on data
 - Fit a polynomial and use coef to extrapolate ahead
 - Other methods combining Kalman filter and Taylor’s series method