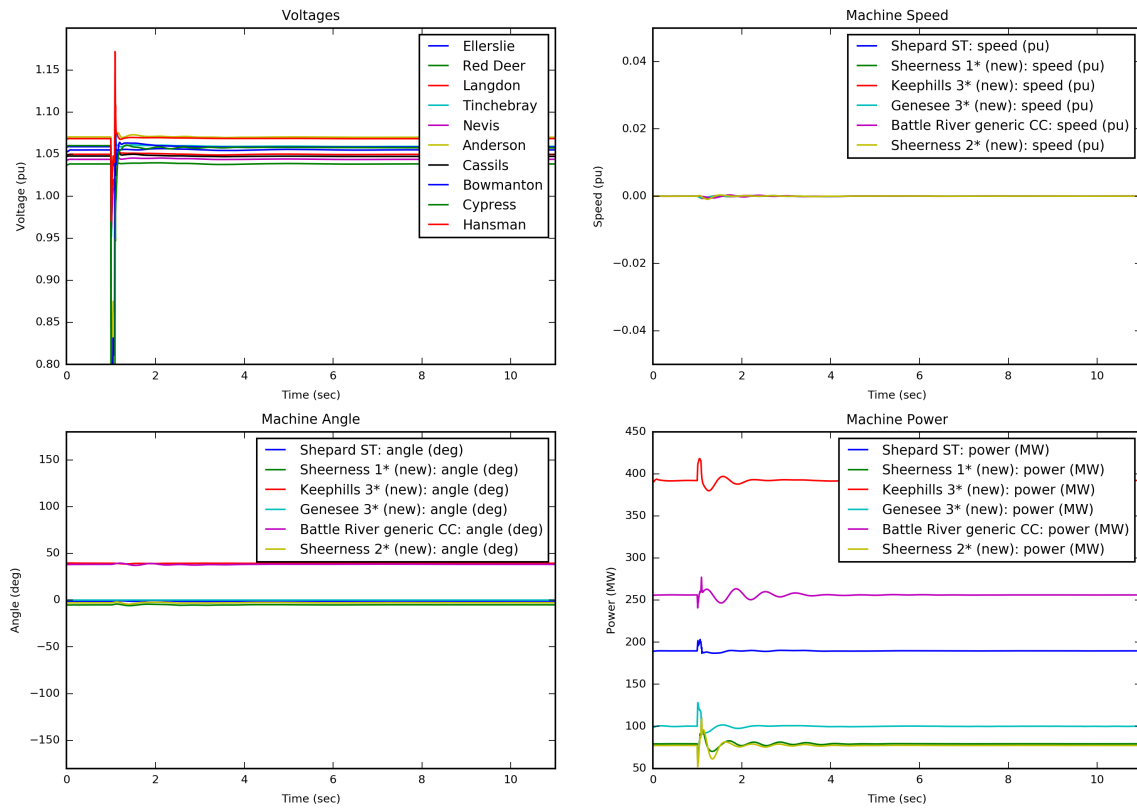


Attachment F

Transient Simulation Results

Section: F-14

Figure 1



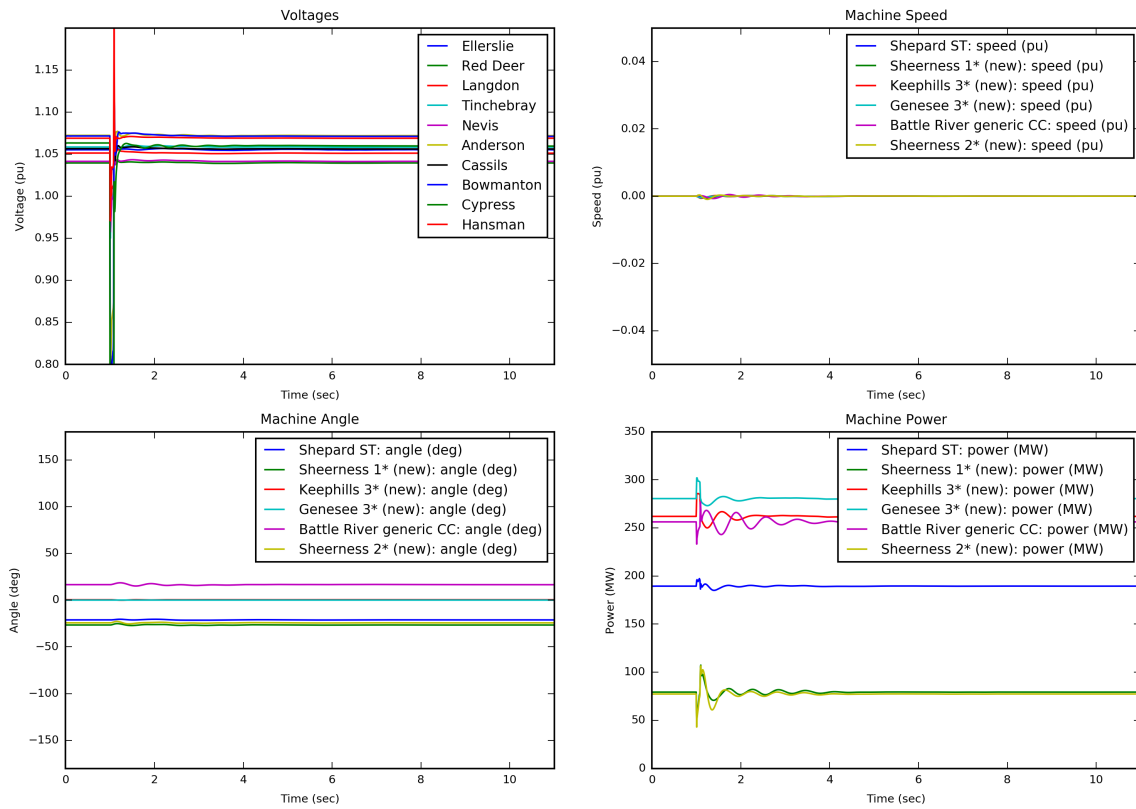
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1002L (Dome Empress - Jenner) near Dome Empress
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1002L (Dome Empress - Jenner)
- T = 1.1010 s: Fault is cleared

Figure 2



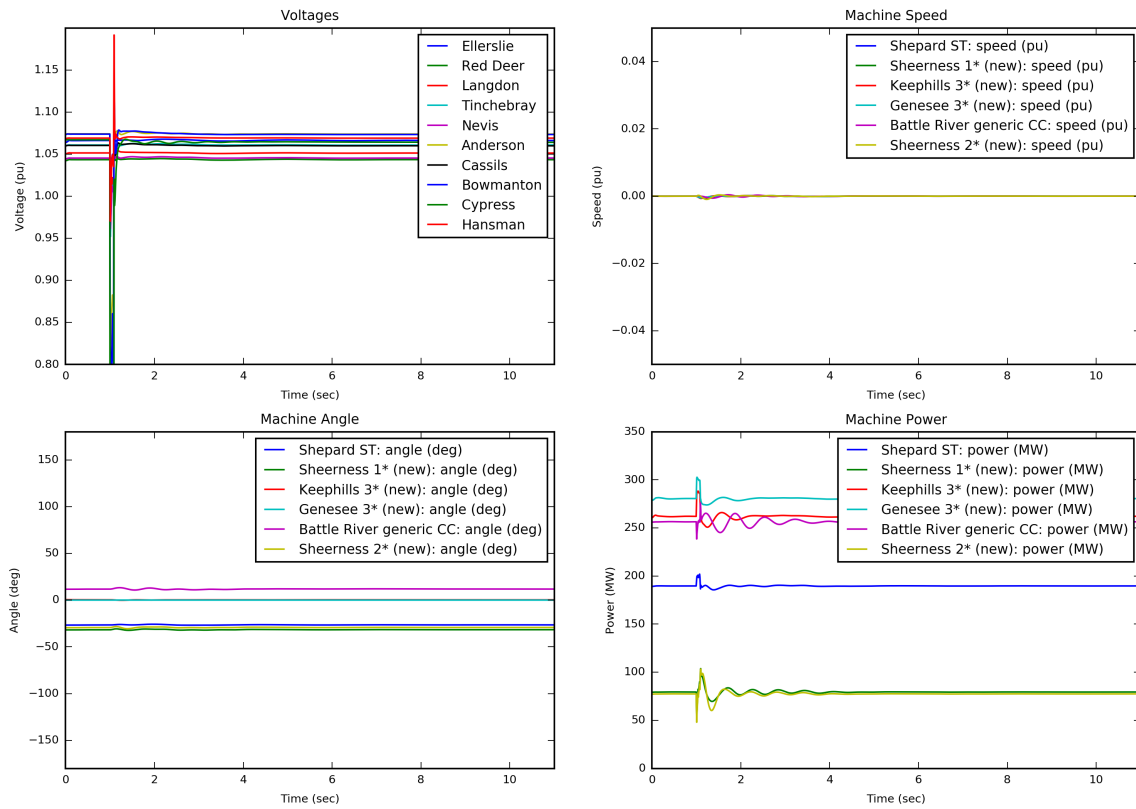
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1002L (Dome Empress - Jenner) near Dome Empress
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1002L (Dome Empress - Jenner)
- T = 1.1010 s: Fault is cleared

Figure 3



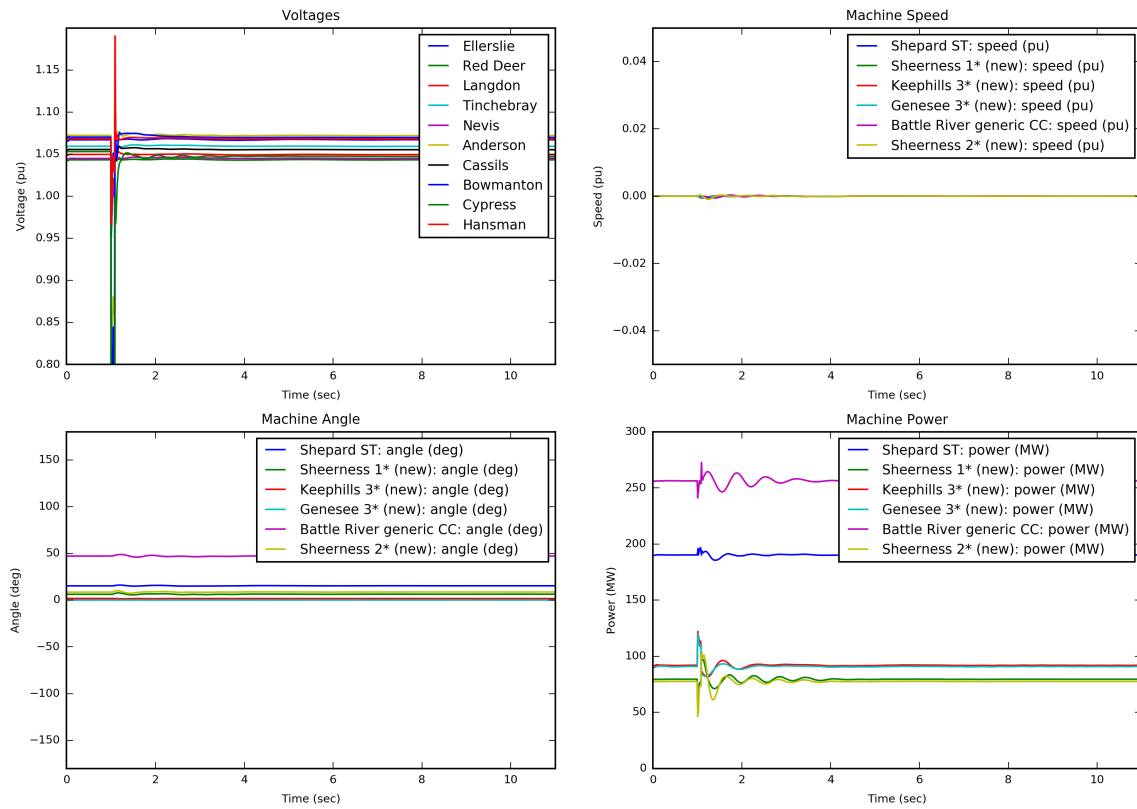
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1002L (Dome Empress - Jenner) near Dome Empress
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1002L (Dome Empress - Jenner)
- T = 1.1010 s: Fault is cleared

Figure 4



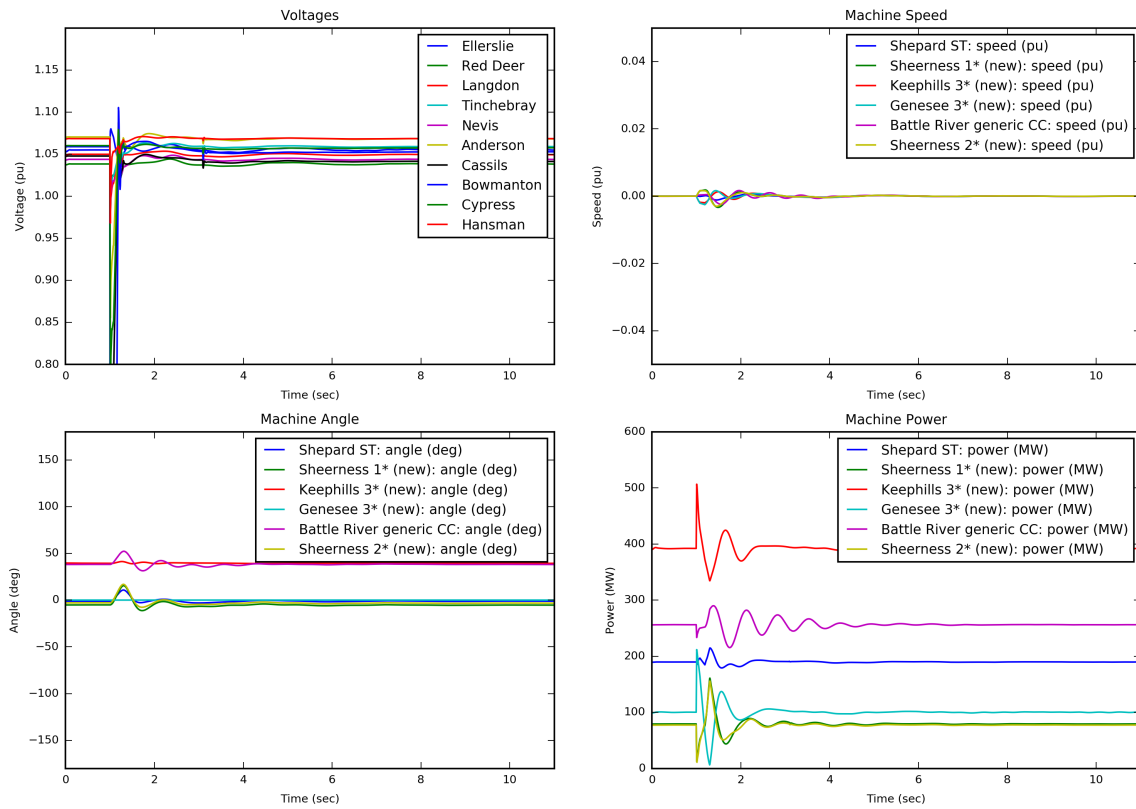
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1002L (Dome Empress - Jenner) near Dome Empress
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1002L (Dome Empress - Jenner)
- T = 1.1010 s: Fault is cleared

Figure 5



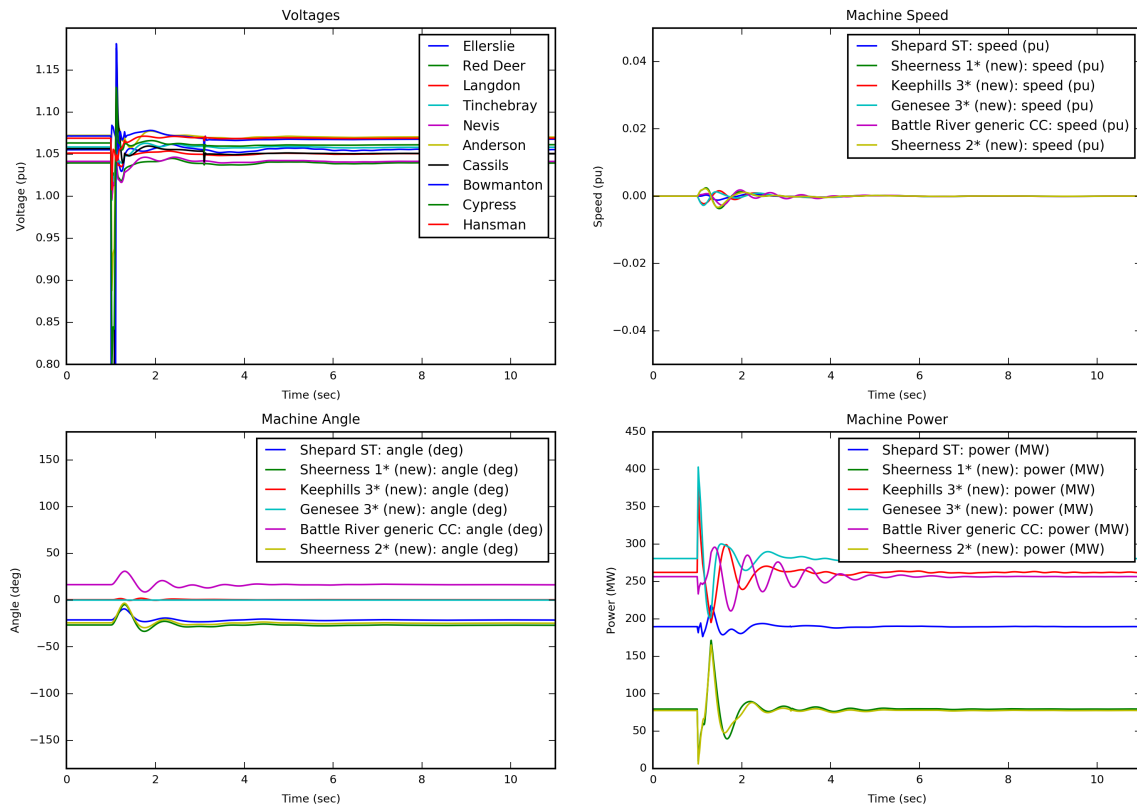
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Cassils - Bowmanton) near Bowmanton
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Cassils - Bowmanton)
- T = 1.1010 s: Fault is cleared

Figure 6



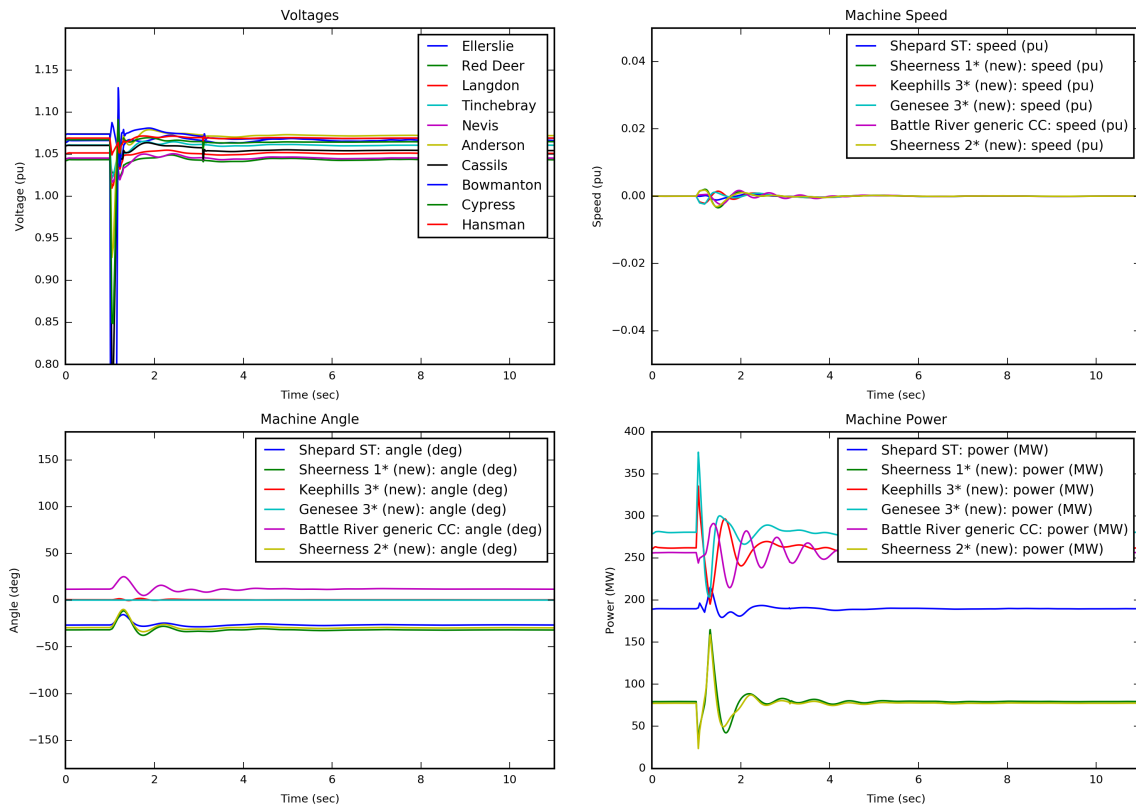
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Cassils - Bowmanton) near Bowmanton
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Cassils - Bowmanton)
- T = 1.1010 s: Fault is cleared

Figure 7



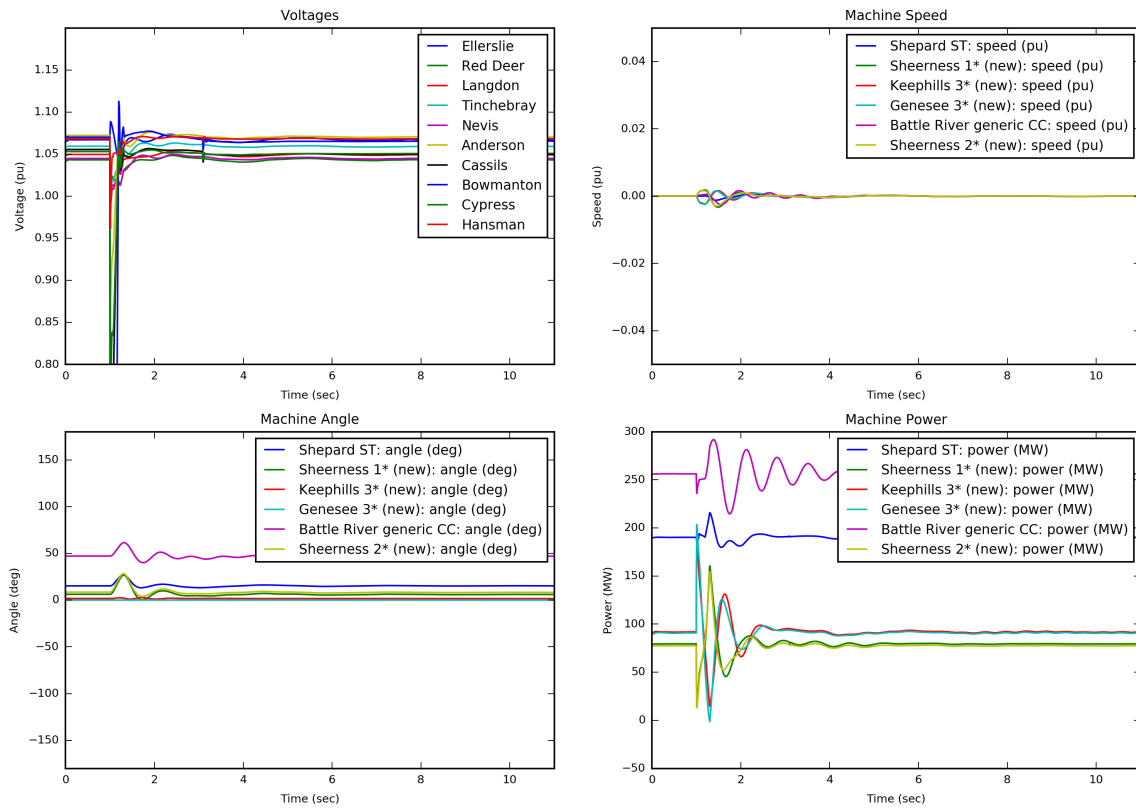
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Cassils - Bowmanton) near Bowmanton
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Cassils - Bowmanton)
- T = 1.1010 s: Fault is cleared

Figure 8



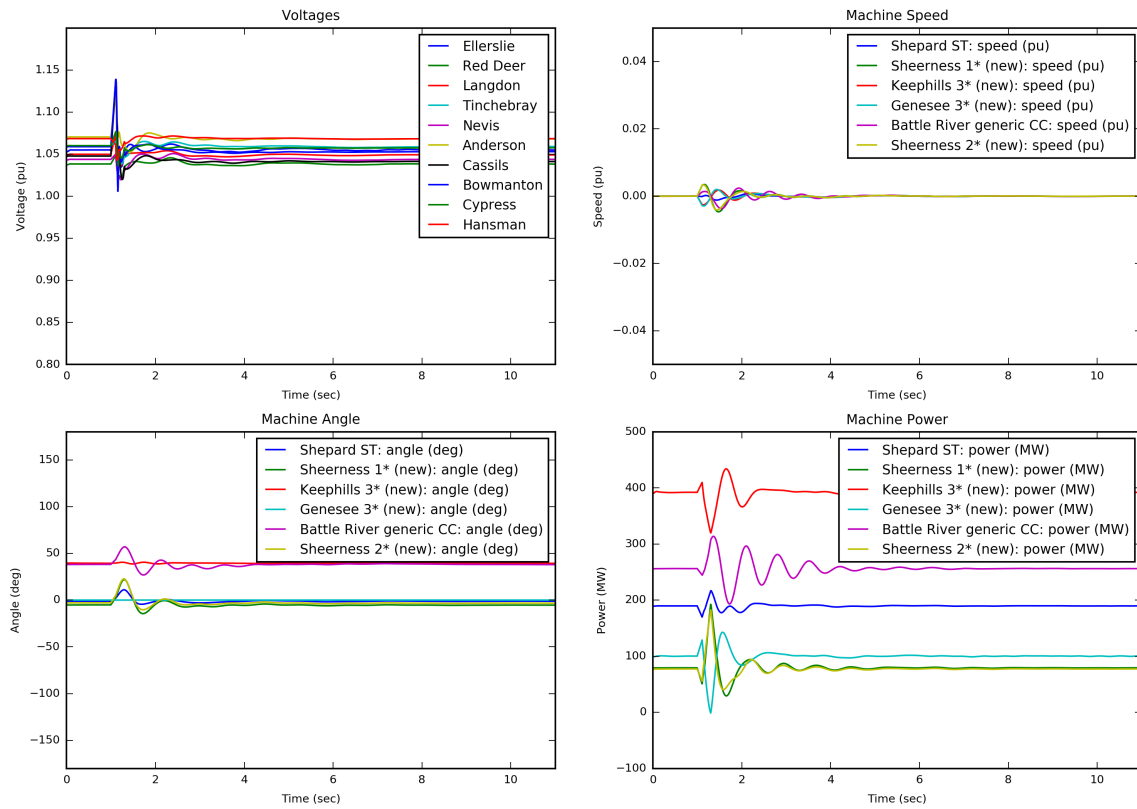
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Cassils - Bowmanton) near Bowmanton
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Cassils - Bowmanton)
- T = 1.1010 s: Fault is cleared

Figure 9



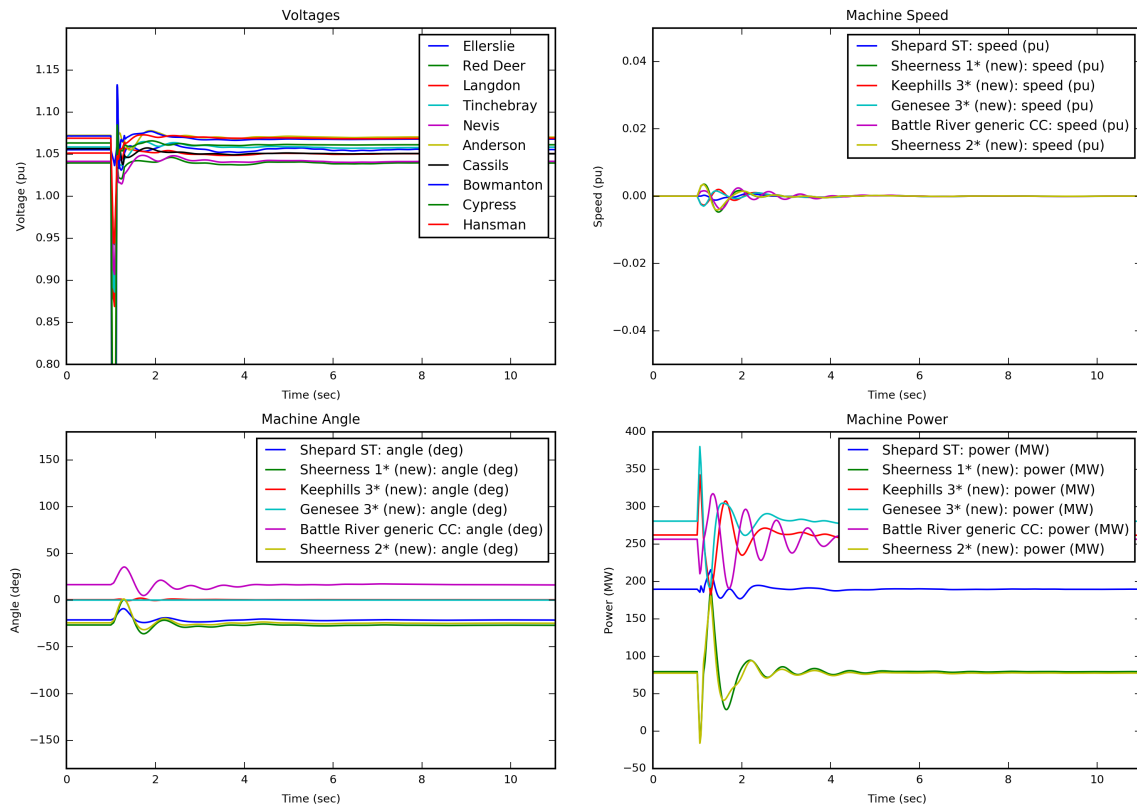
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Bowmanton - Cassils) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Bowmanton - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 10



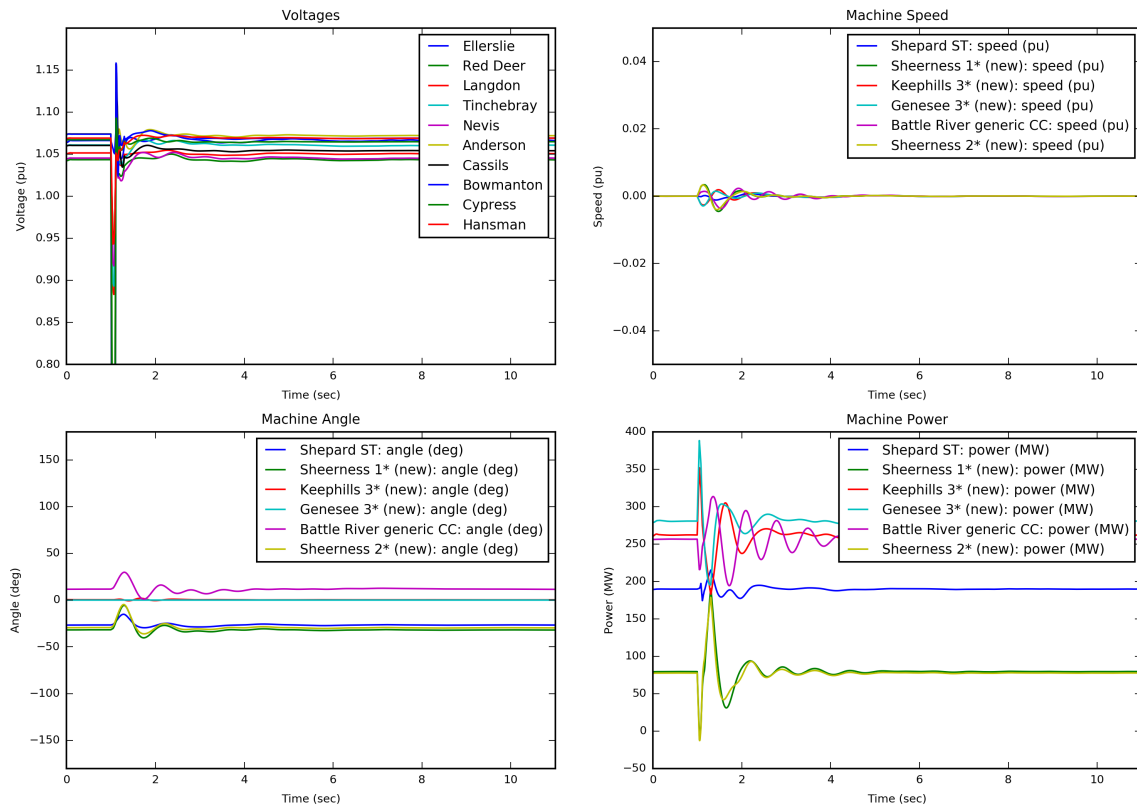
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- $T = 1.0020$ s: Applied 3-ph fault on 1034L (Bowmanton - Cassils) near Cassils
- $T = 1.0860$ s: Opened near end breaker
- $T = 1.1010$ s: Tripped 1034L (Bowmanton - Cassils)
- $T = 1.1010$ s: Fault is cleared

Figure 11



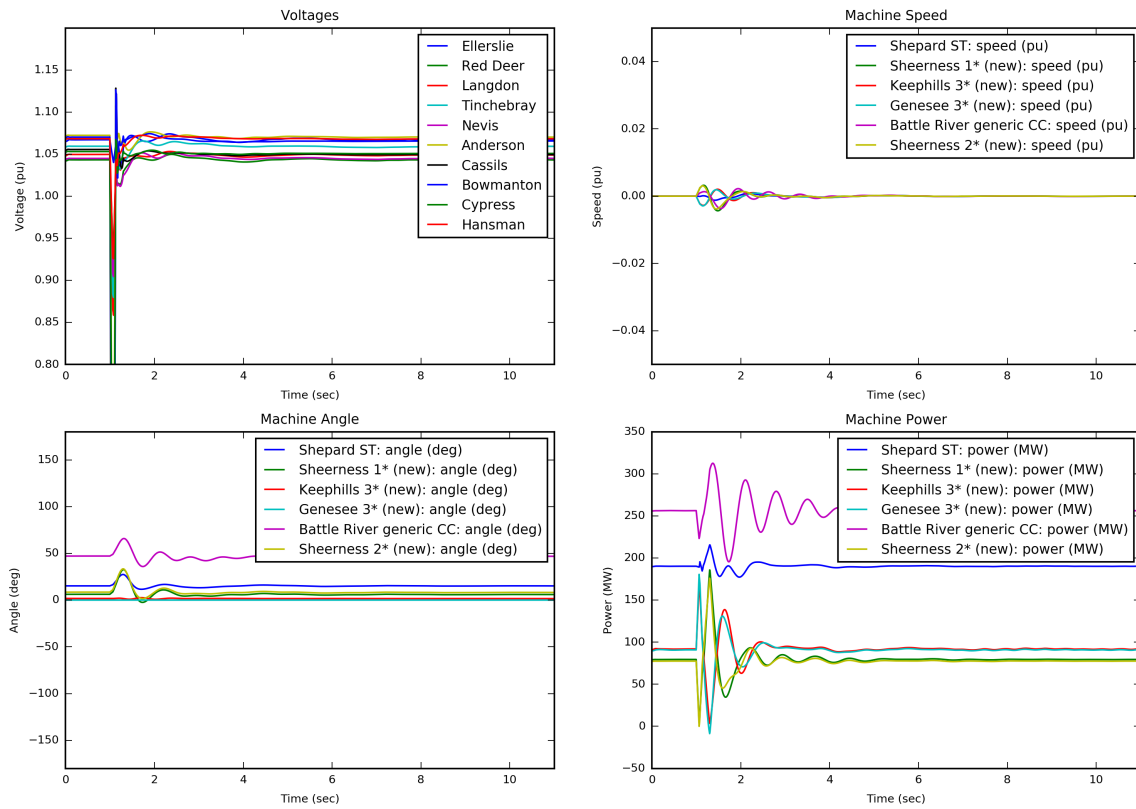
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Bowmanton - Cassils) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Bowmanton - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 12



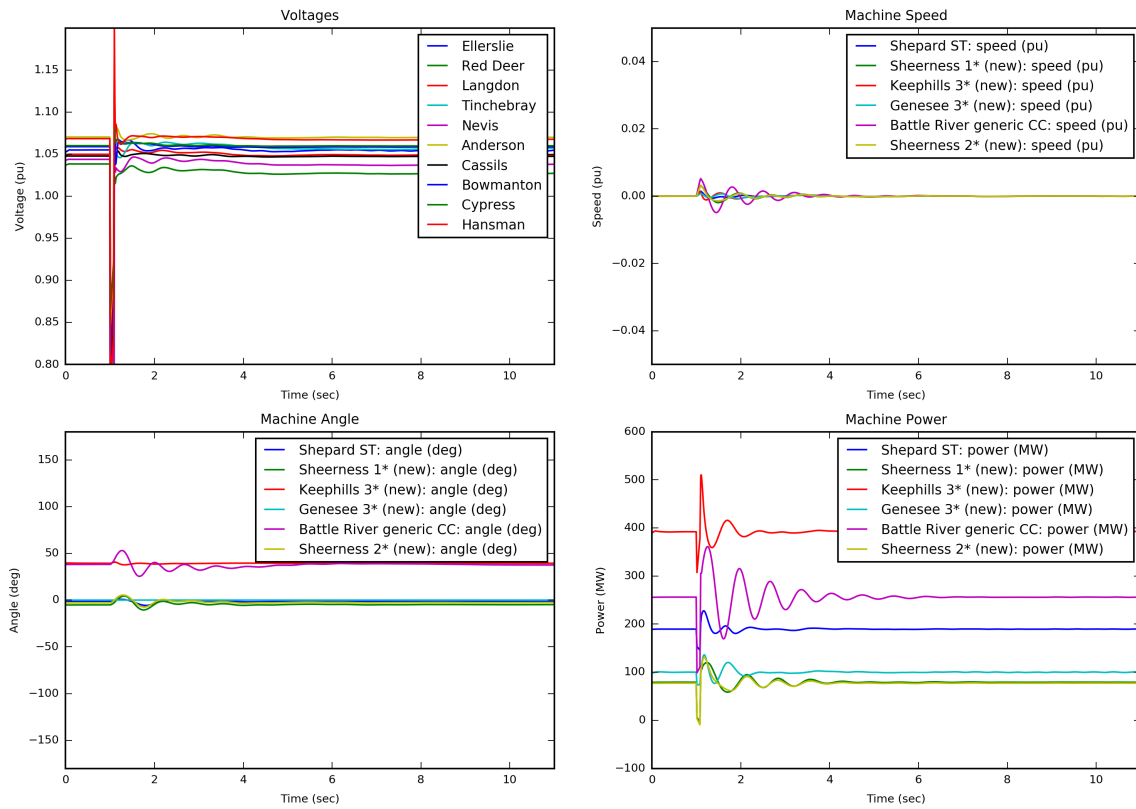
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 1034L (Bowmanton - Cassils) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 1034L (Bowmanton - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 13



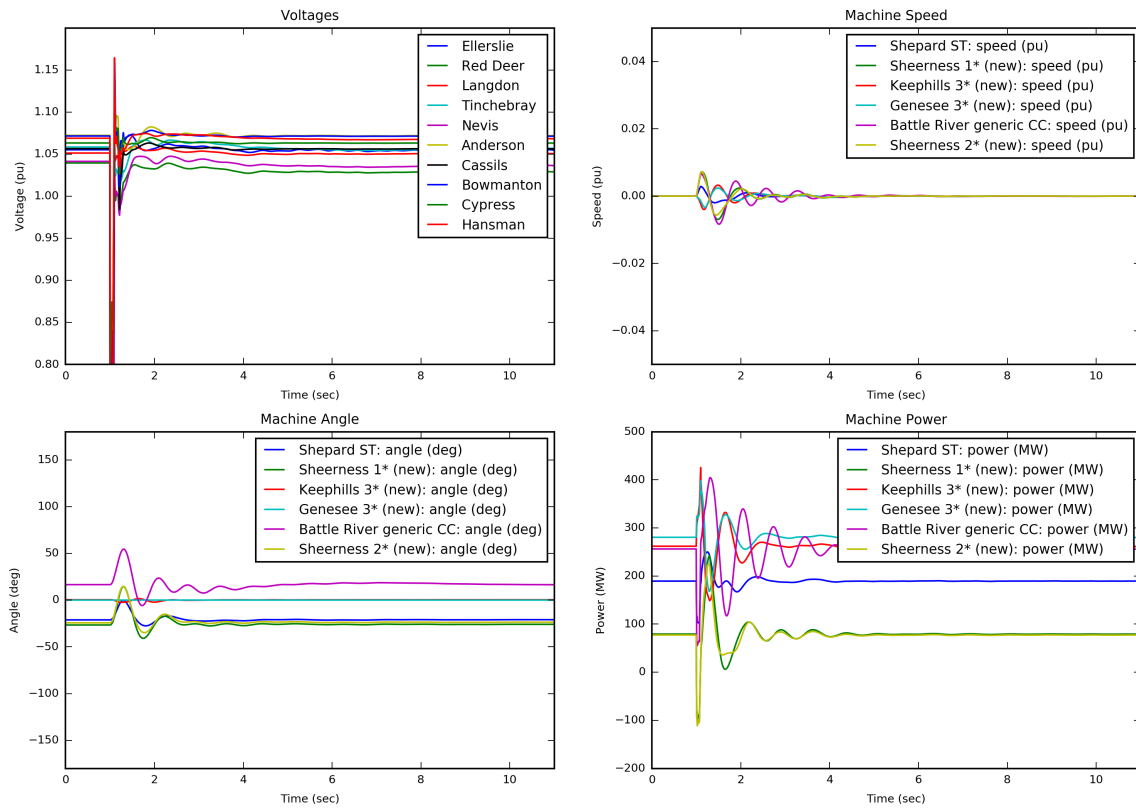
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Benalto - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 900L (Benalto - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 14



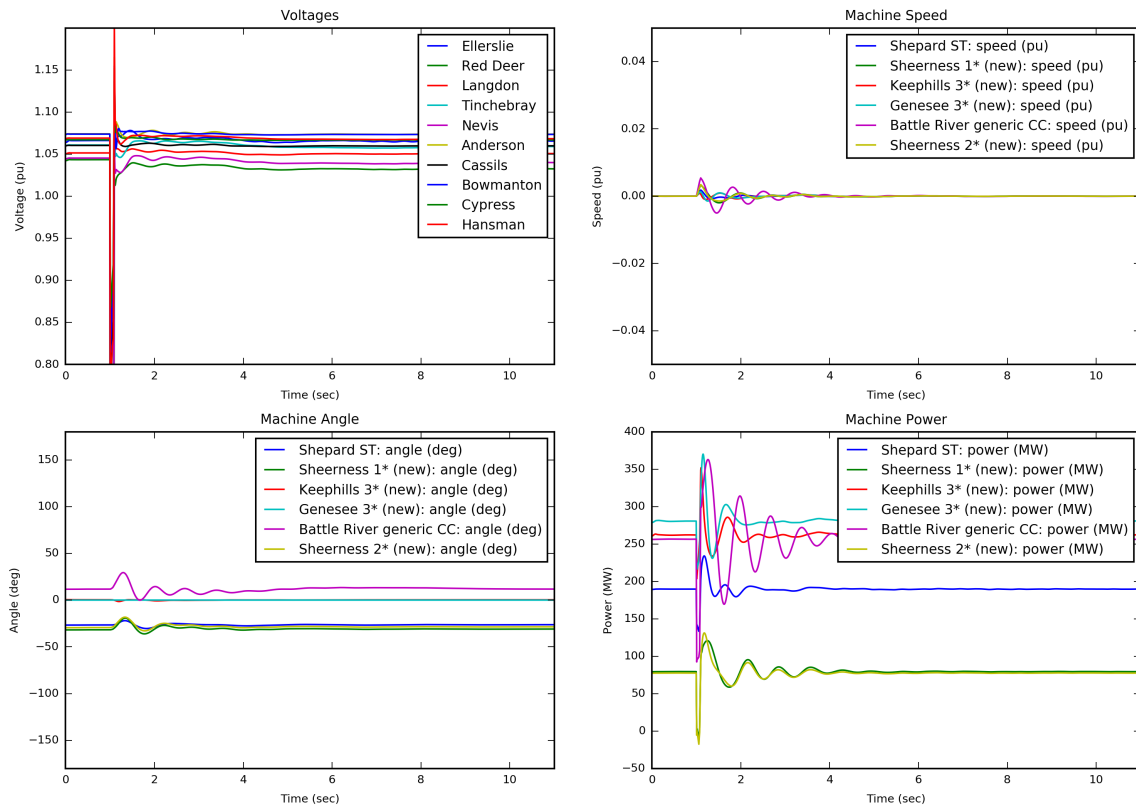
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Benalto - Red Deer) near Red Deer
- T = 1.0920 s: Tripped 900L (Benalto - Red Deer)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 15



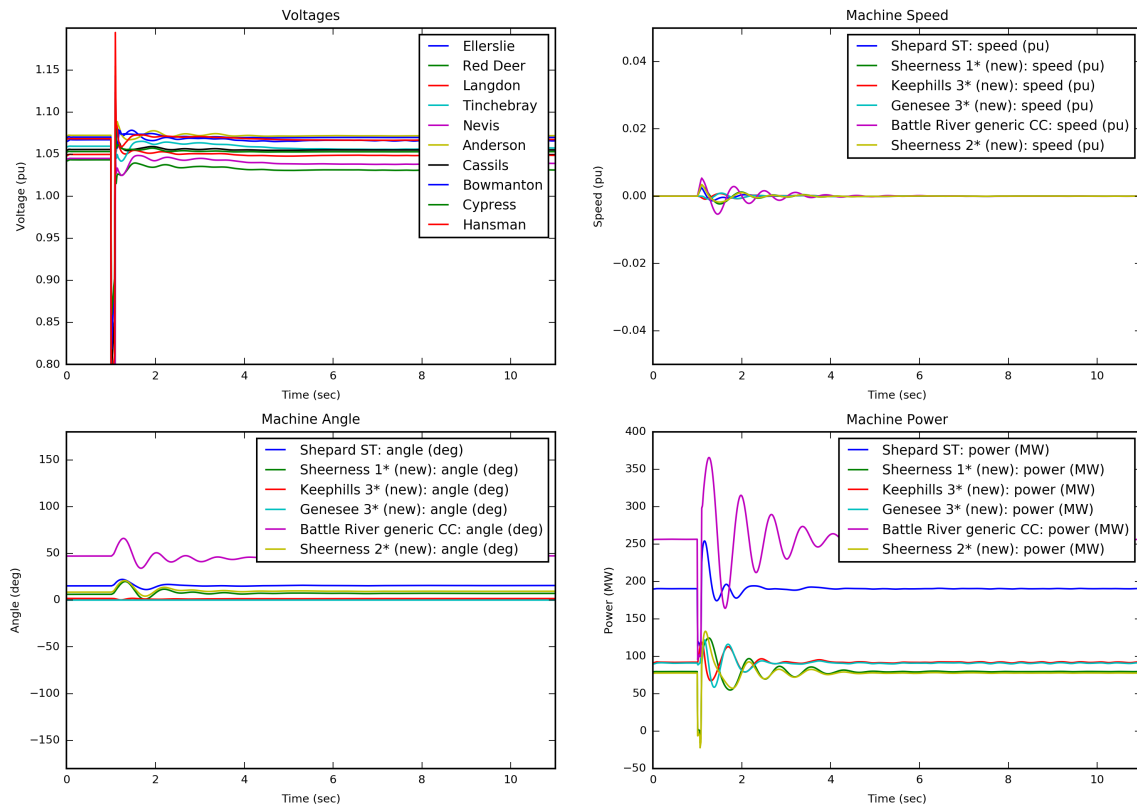
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Benalto - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 900L (Benalto - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 16



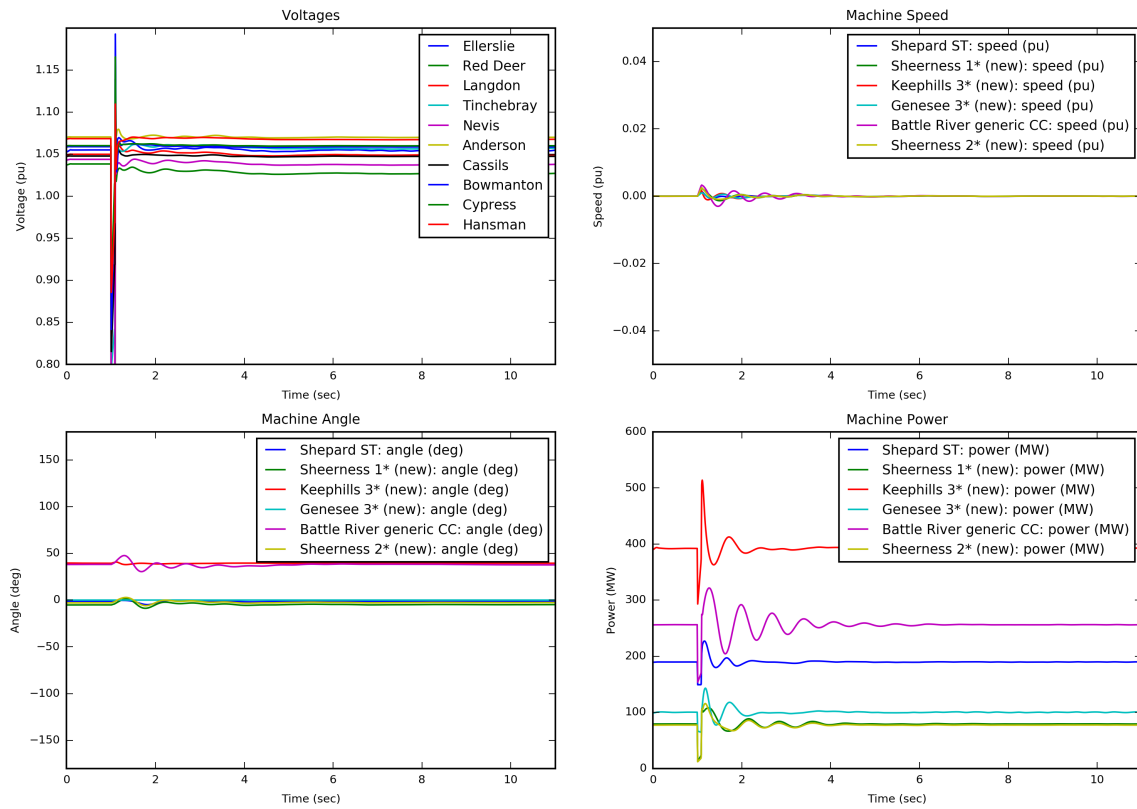
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Benalto - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 900L (Benalto - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 17



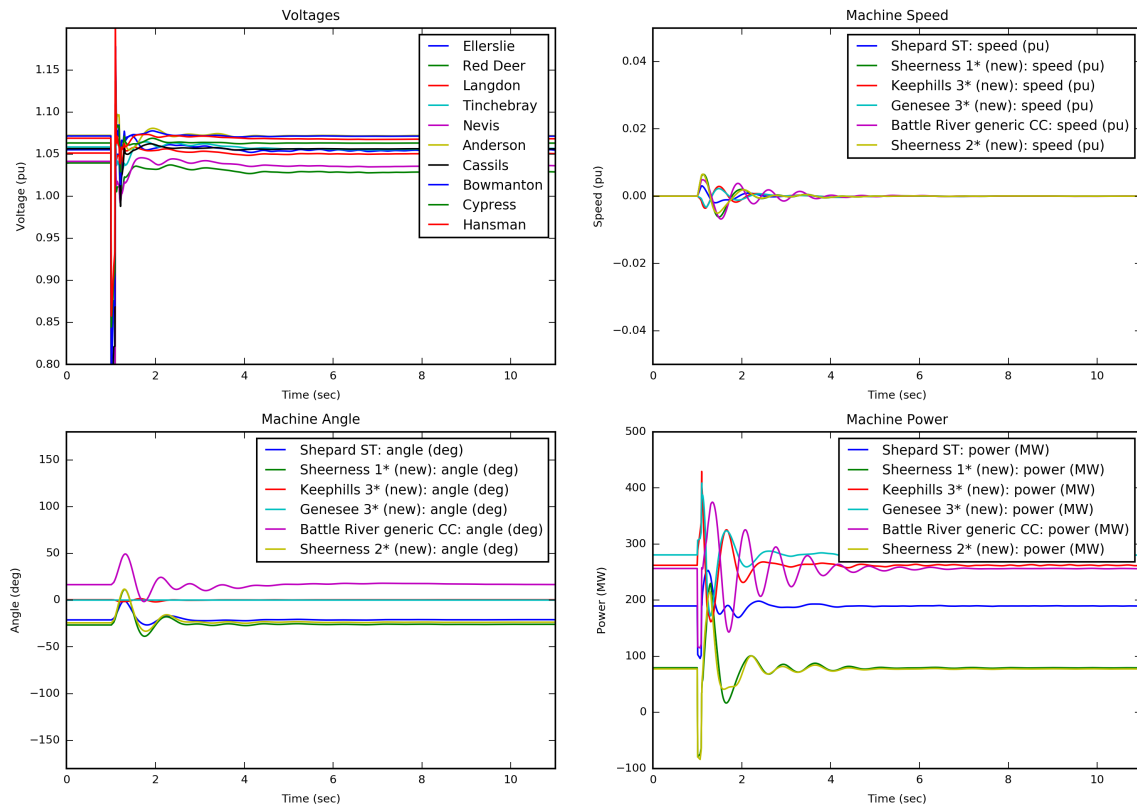
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Red Deer - Benalto) near Benalto
- T = 1.0920 s: Tripped 900L (Red Deer - Benalto)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 18



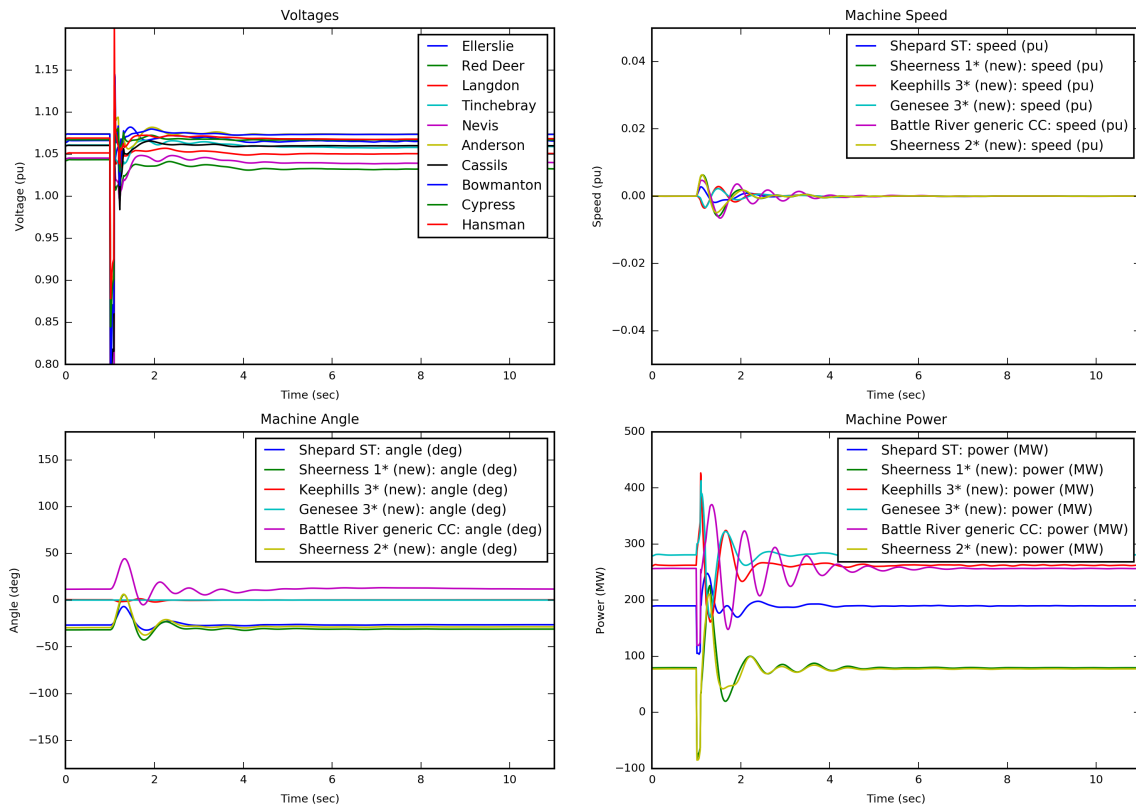
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Red Deer - Benalto) near Benalto
- T = 1.0920 s: Tripped 900L (Red Deer - Benalto)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 19



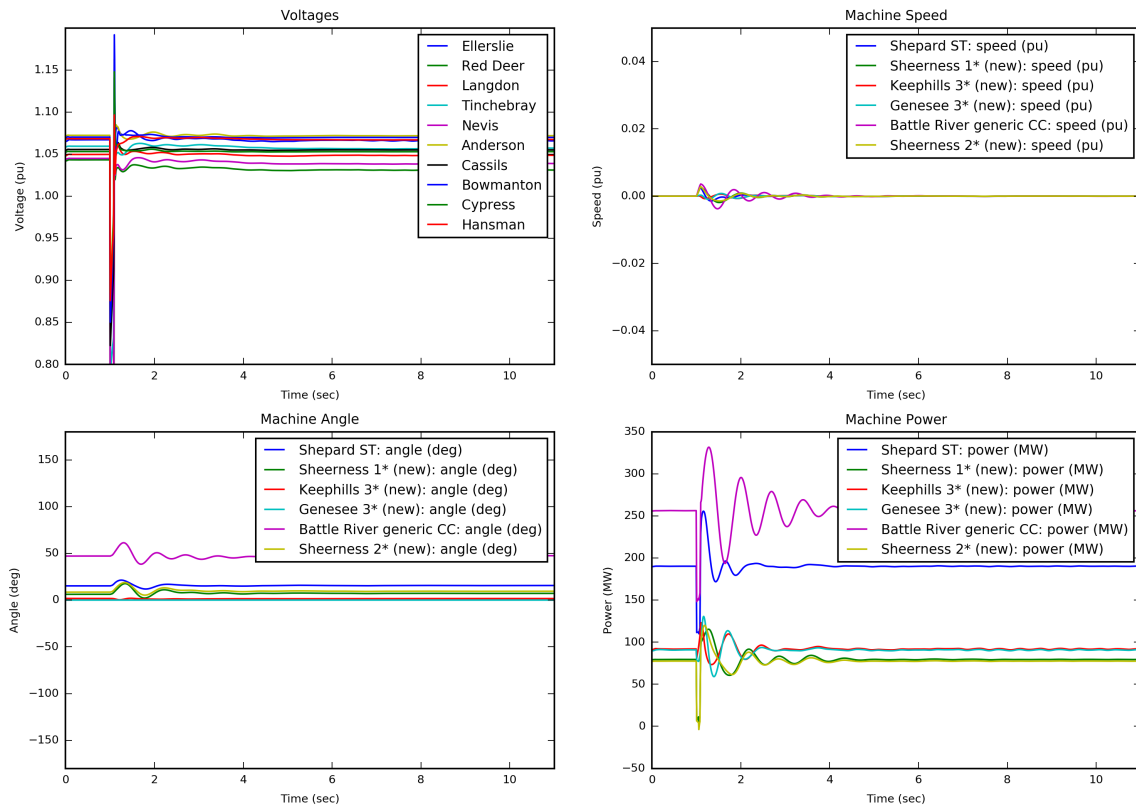
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Red Deer - Benalto) near Benalto
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 900L (Red Deer - Benalto)
- T = 1.0920 s: Fault is cleared

Figure 20



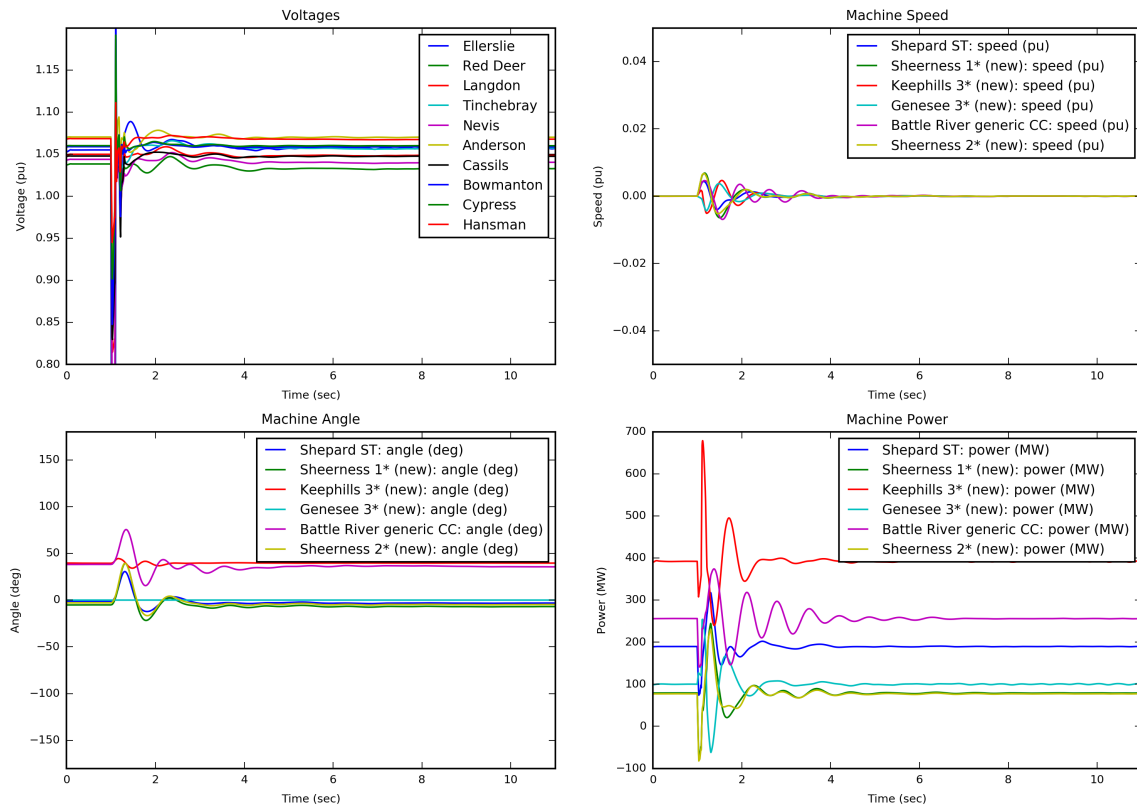
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 900L (Red Deer - Benalto) near Benalto
- T = 1.0920 s: Tripped 900L (Red Deer - Benalto)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 21



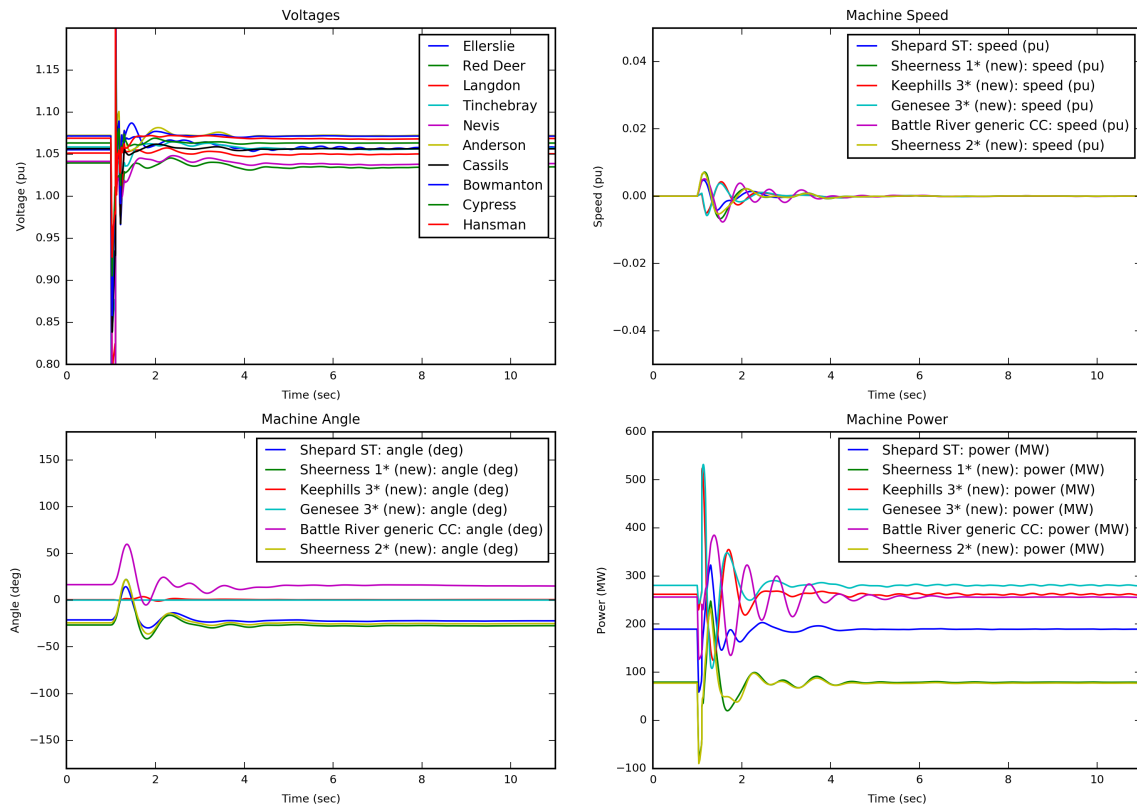
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Saunders Lake
- T = 1.1010 s: Tripped 910L
- T = 1.1010 s: Tripped 914L
- T = 1.1010 s: Fault is cleared

Figure 22



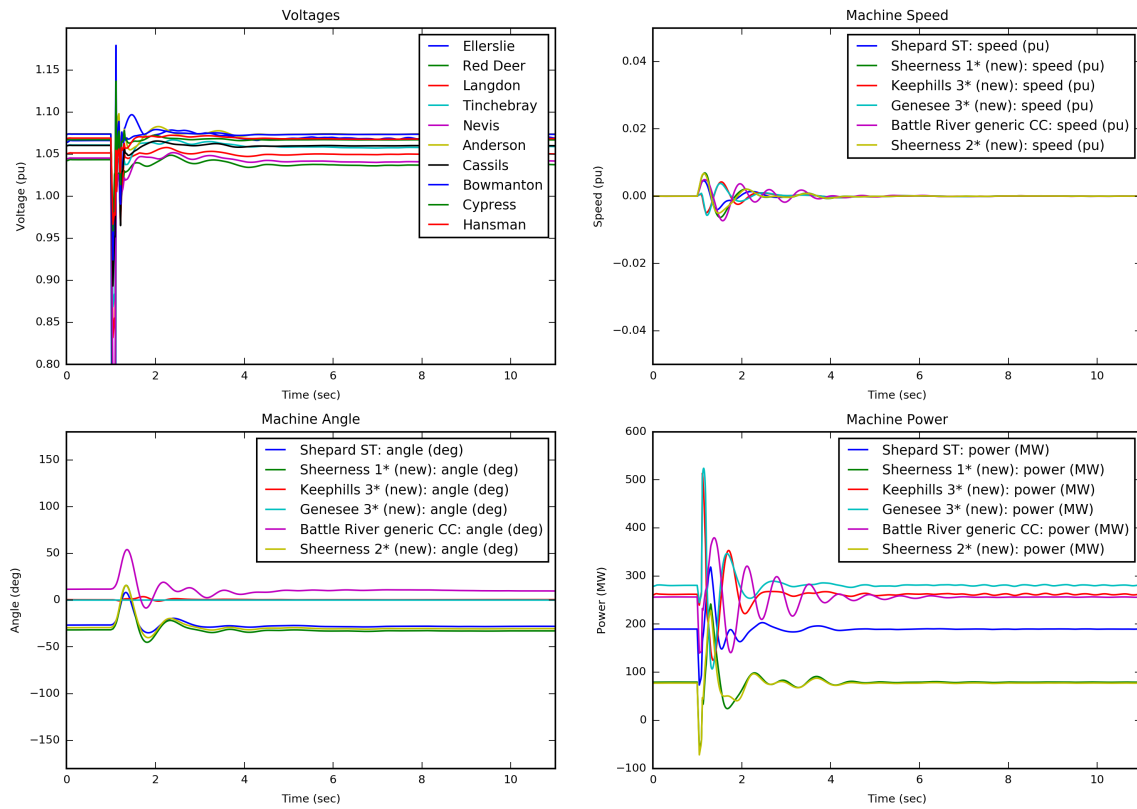
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Saunders Lake
- T = 1.1010 s: Tripped 910L
- T = 1.1010 s: Tripped 914L
- T = 1.1010 s: Fault is cleared

Figure 23



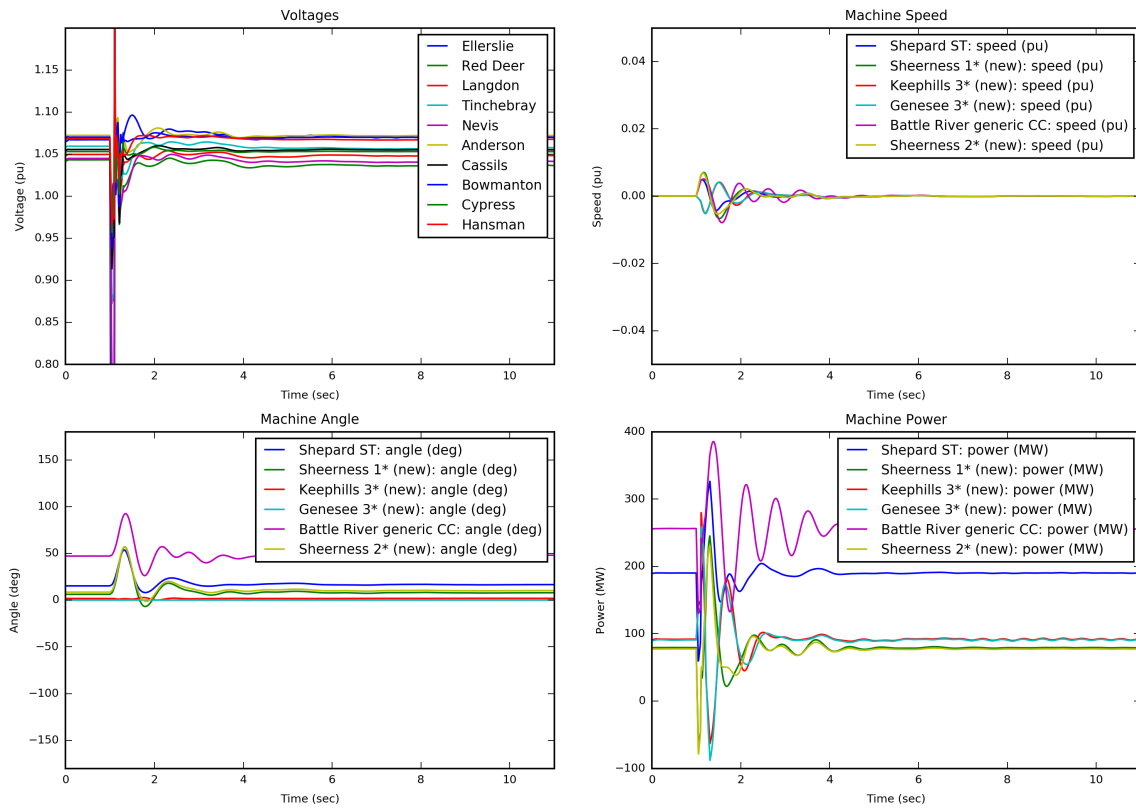
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Saunders Lake
- T = 1.1010 s: Tripped 910L
- T = 1.1010 s: Tripped 914L
- T = 1.1010 s: Fault is cleared

Figure 24



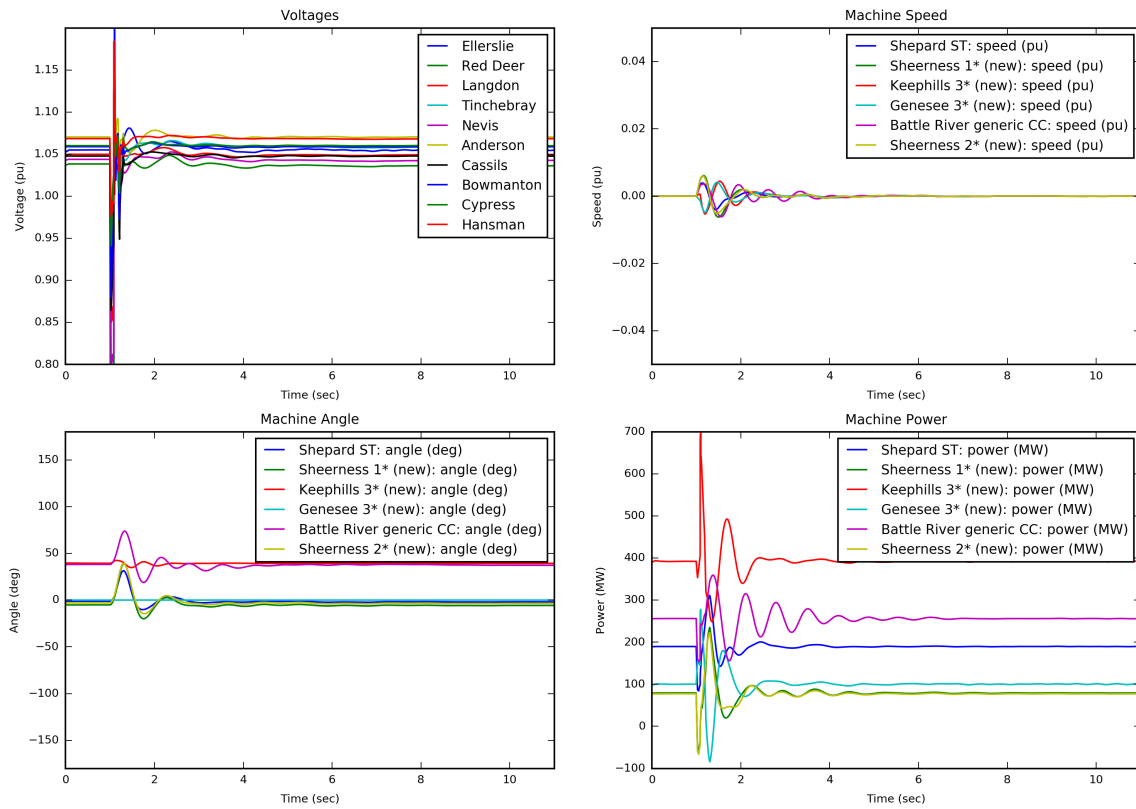
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Saunders Lake
- T = 1.1010 s: Tripped 910L
- T = 1.1010 s: Tripped 914L
- T = 1.1010 s: Fault is cleared

Figure 25



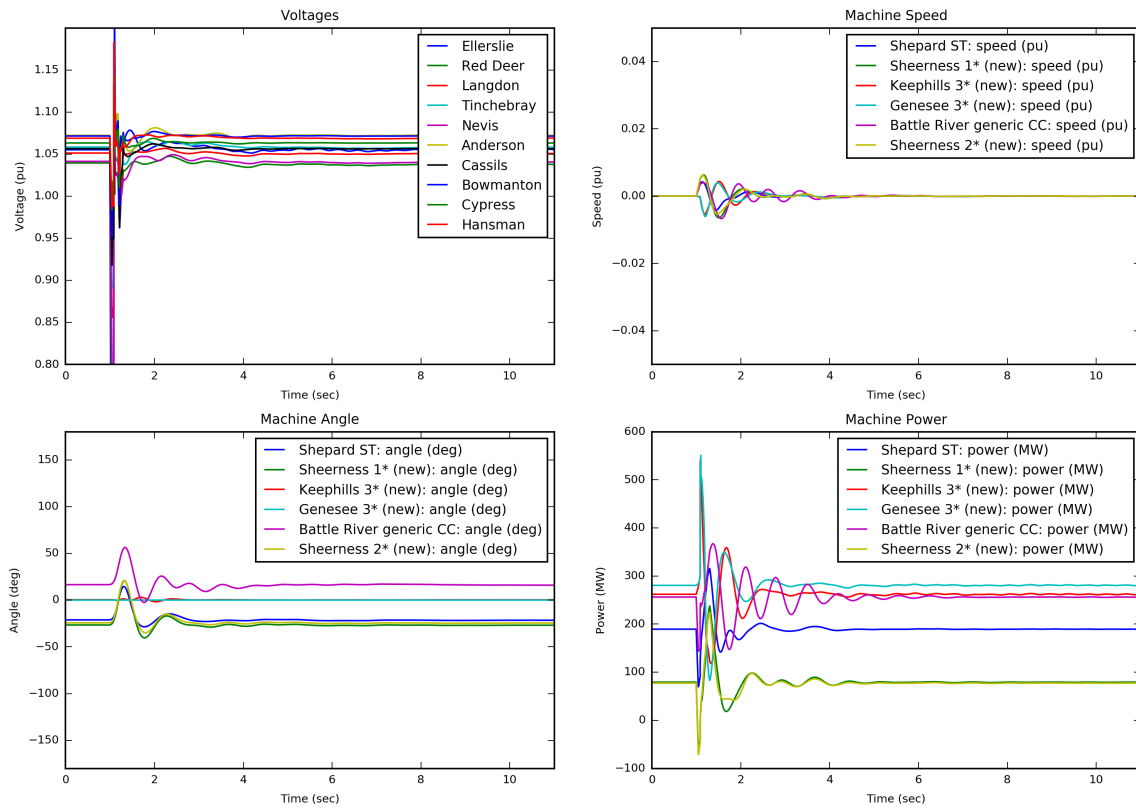
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Saunders Lake - Wolf Creek) near Saunders Lake
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Saunders Lake - Wolf Creek)
- T = 1.1010 s: Fault is cleared

Figure 26



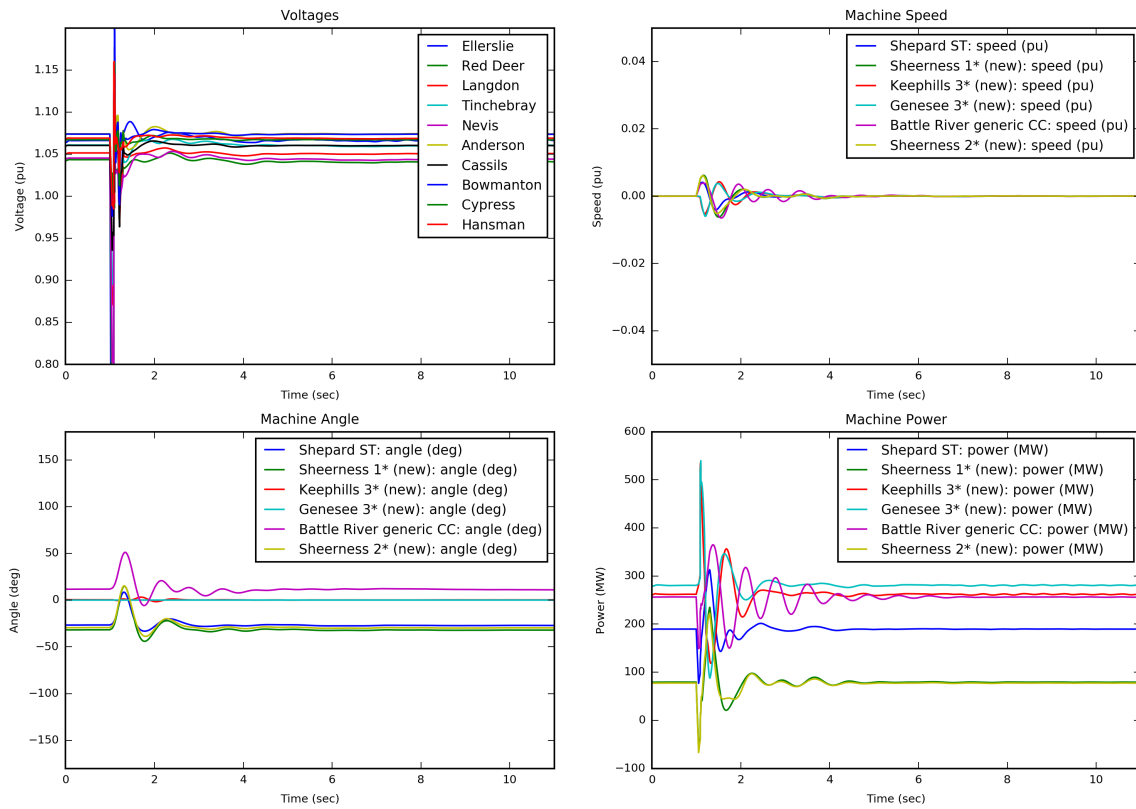
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Saunders Lake - Wolf Creek) near Saunders Lake
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Saunders Lake - Wolf Creek)
- T = 1.1010 s: Fault is cleared

Figure 27



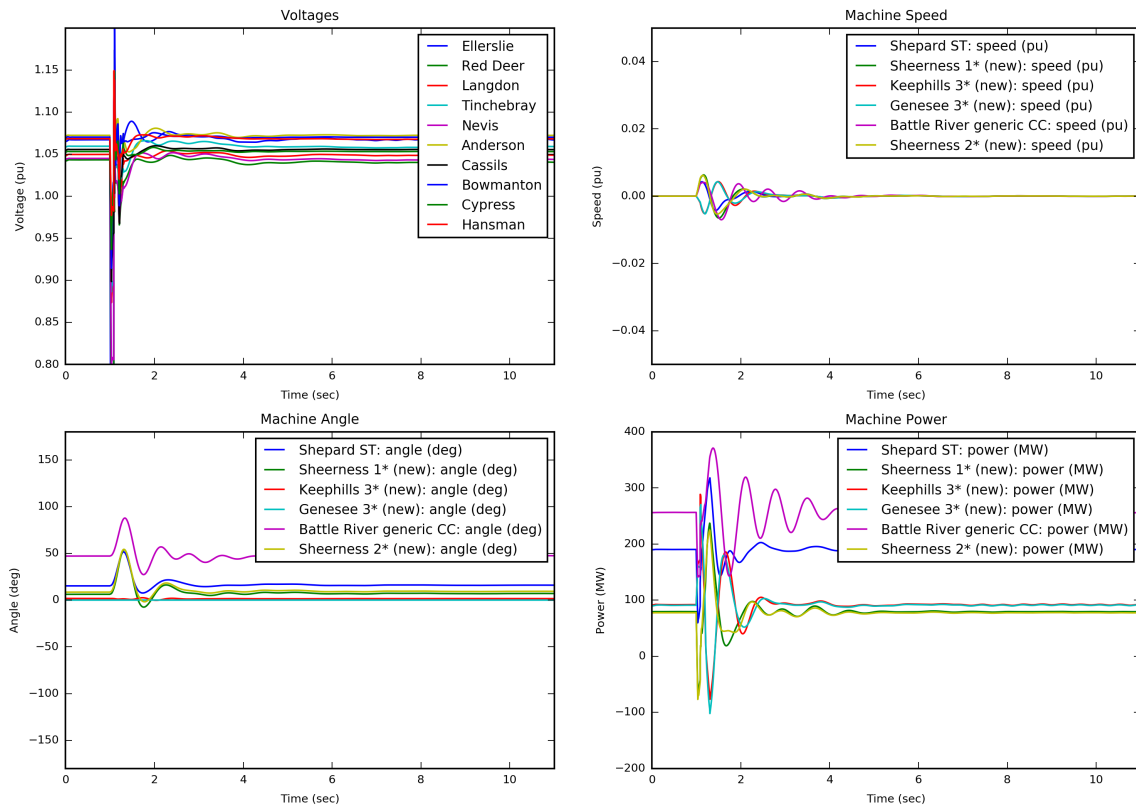
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Saunders Lake - Wolf Creek) near Saunders Lake
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Saunders Lake - Wolf Creek)
- T = 1.1010 s: Fault is cleared

Figure 28



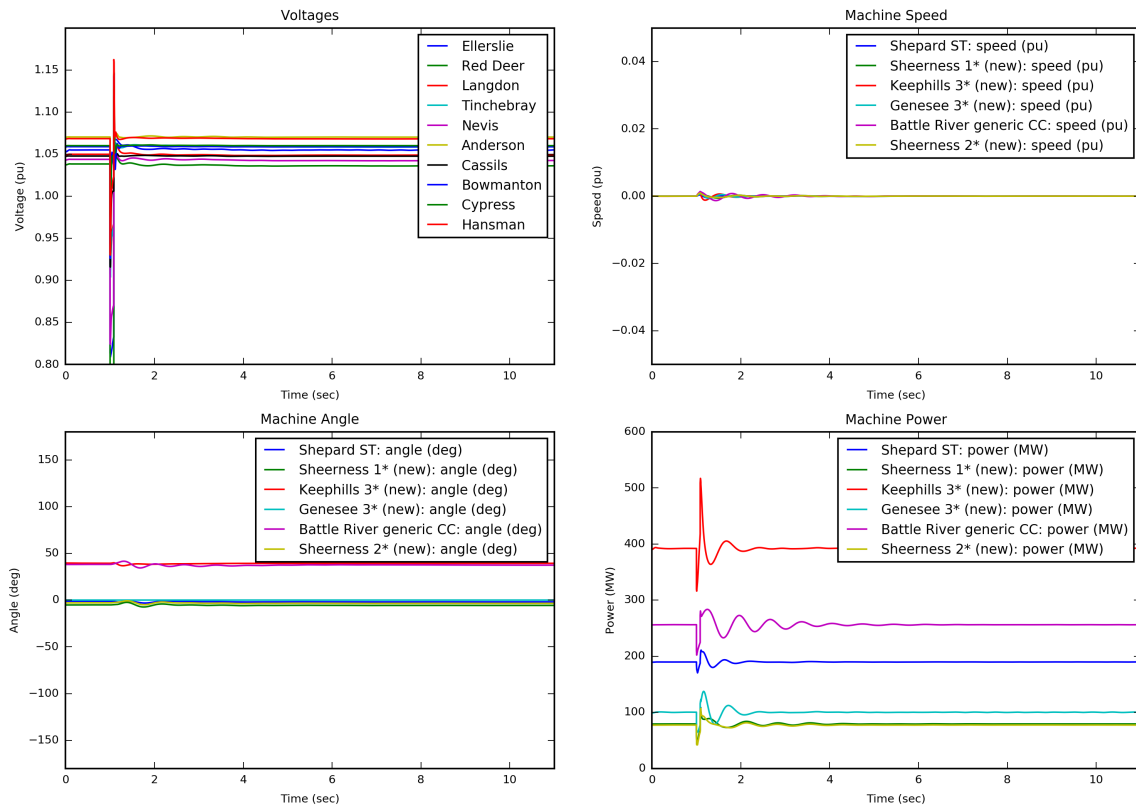
Case Description

— Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Saunders Lake - Wolf Creek) near Saunders Lake
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Saunders Lake - Wolf Creek)
- T = 1.1010 s: Fault is cleared

Figure 29



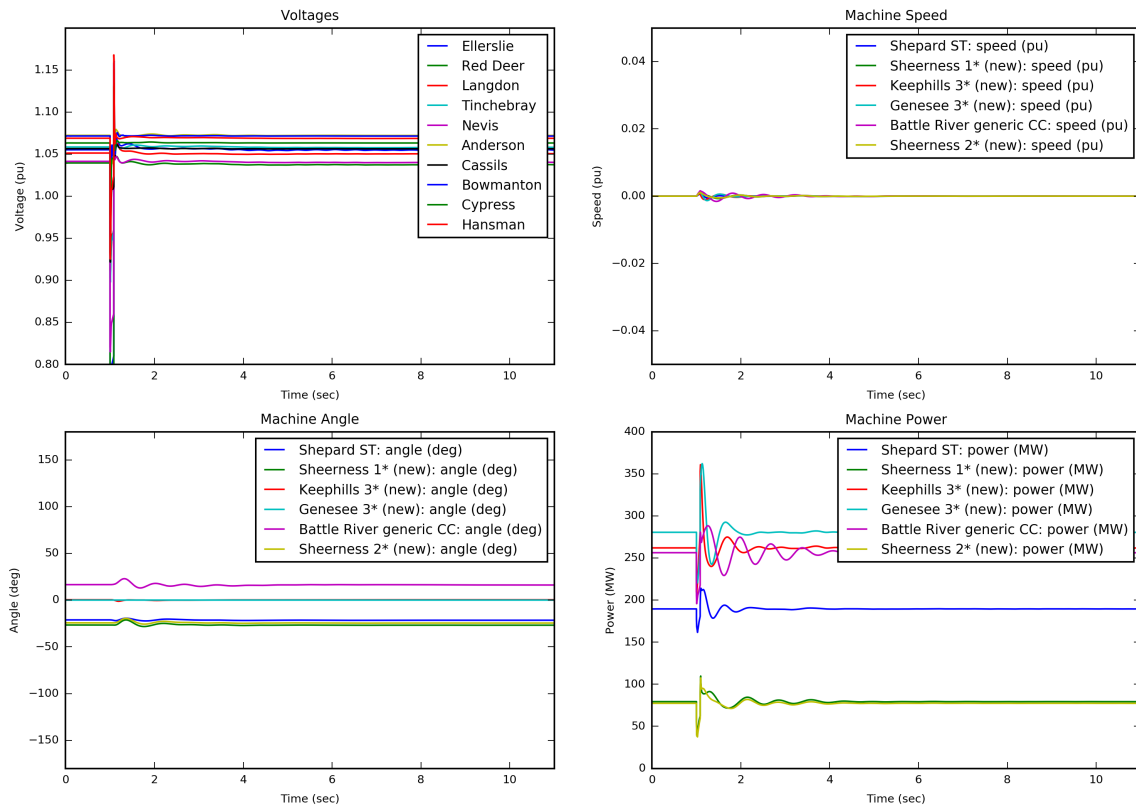
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Wolf Creek - Saunders Lake) near Wolf Creek
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Wolf Creek - Saunders Lake)
- T = 1.1010 s: Fault is cleared

Figure 30



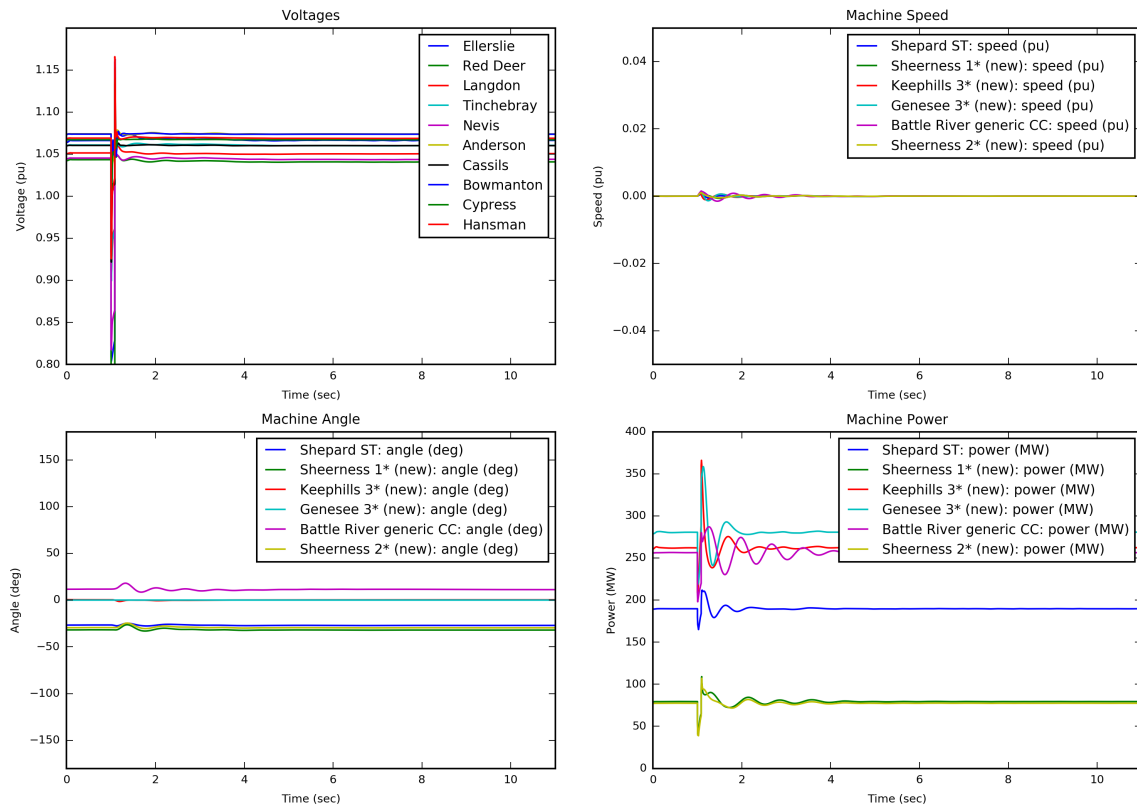
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Wolf Creek - Saunders Lake) near Wolf Creek
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Wolf Creek - Saunders Lake)
- T = 1.1010 s: Fault is cleared

Figure 31



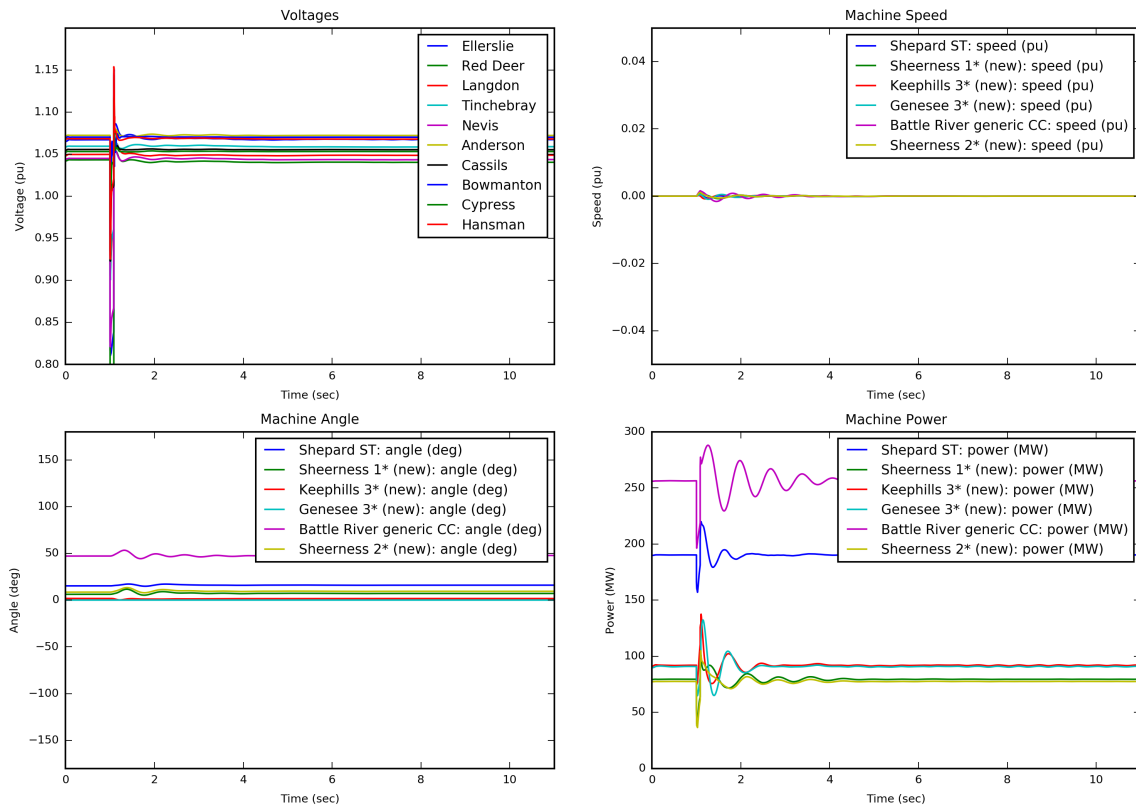
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Wolf Creek - Saunders Lake) near Wolf Creek
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Wolf Creek - Saunders Lake)
- T = 1.1010 s: Fault is cleared

Figure 32



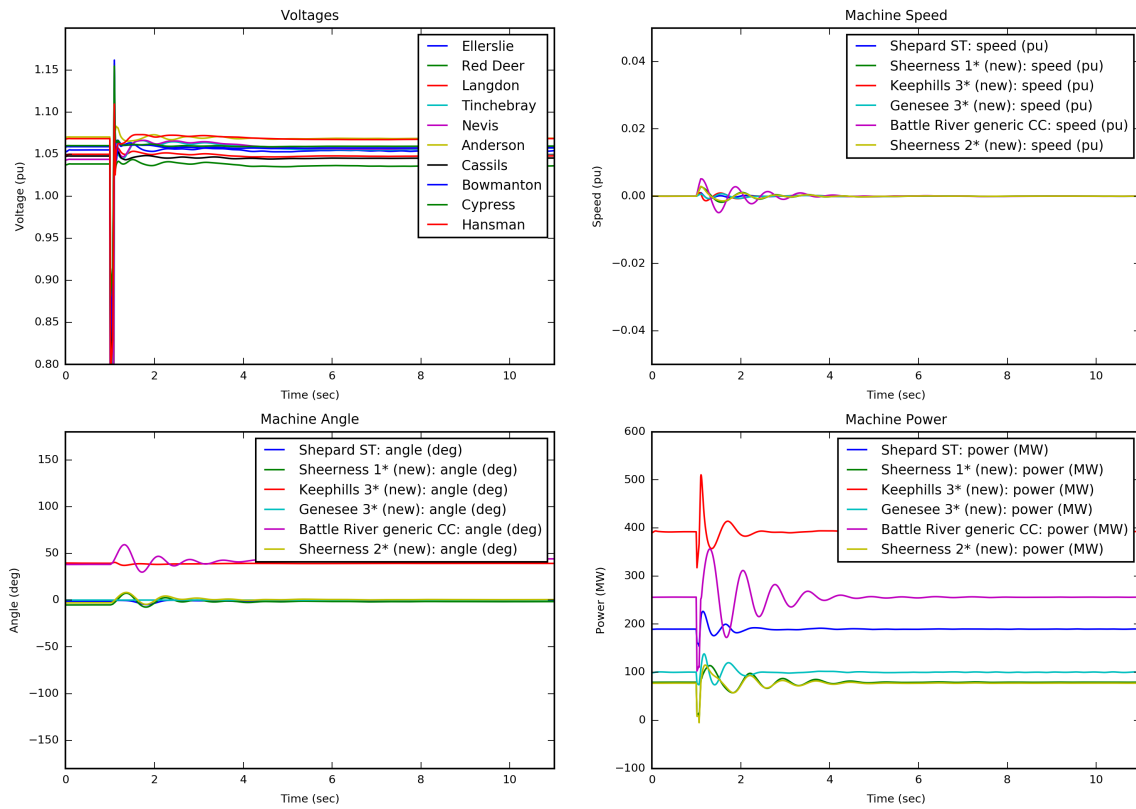
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 910L (Wolf Creek - Saunders Lake) near Wolf Creek
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 910L (Wolf Creek - Saunders Lake)
- T = 1.1010 s: Fault is cleared

Figure 33



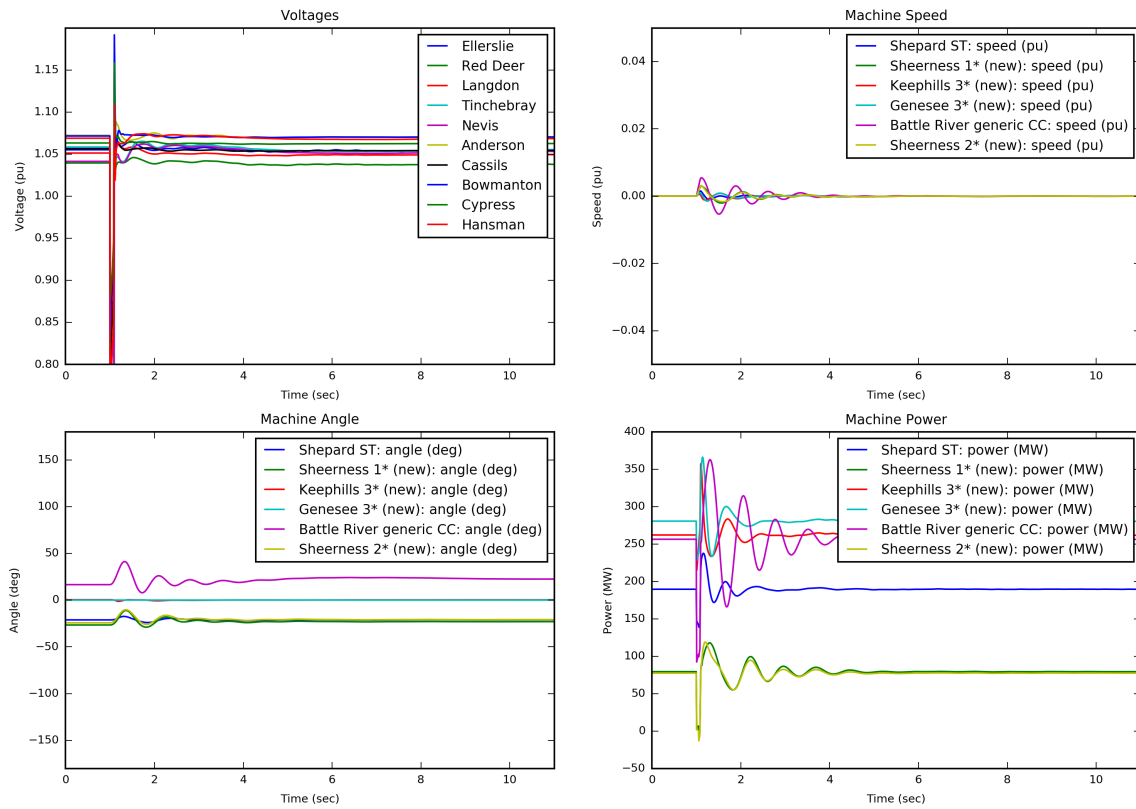
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Nevis - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 912L (Nevis - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 34



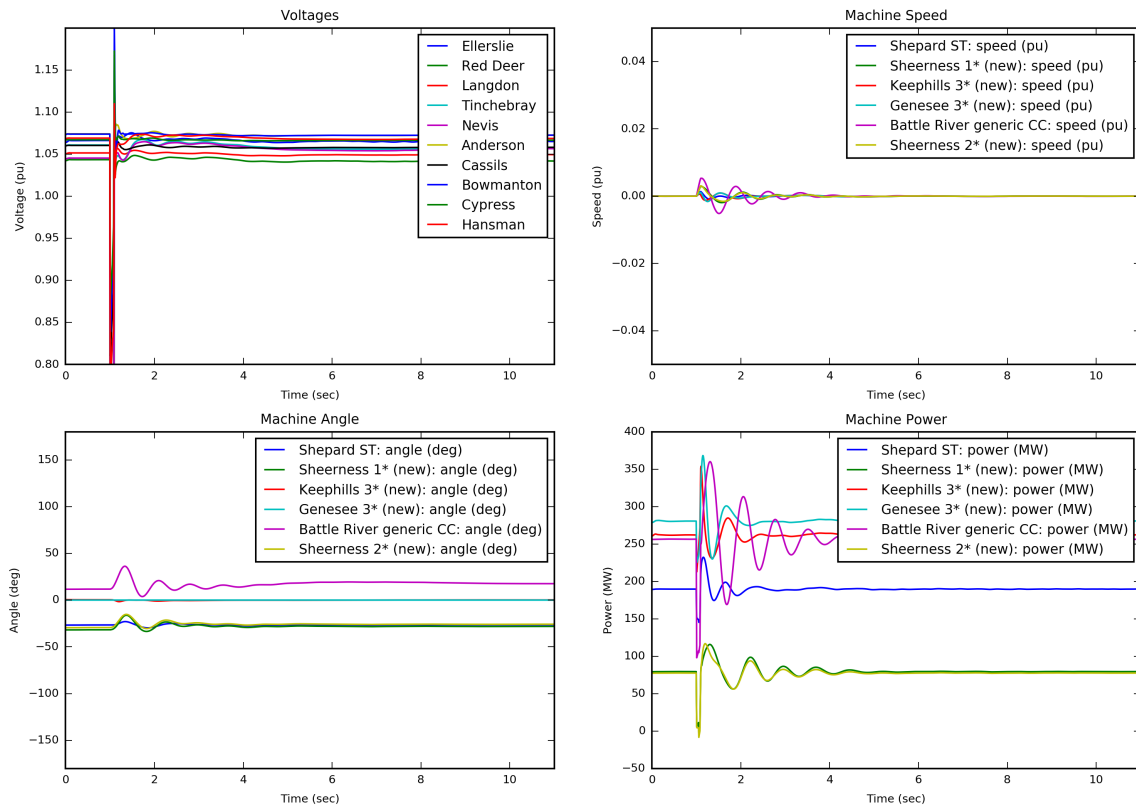
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Nevis - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 912L (Nevis - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 35



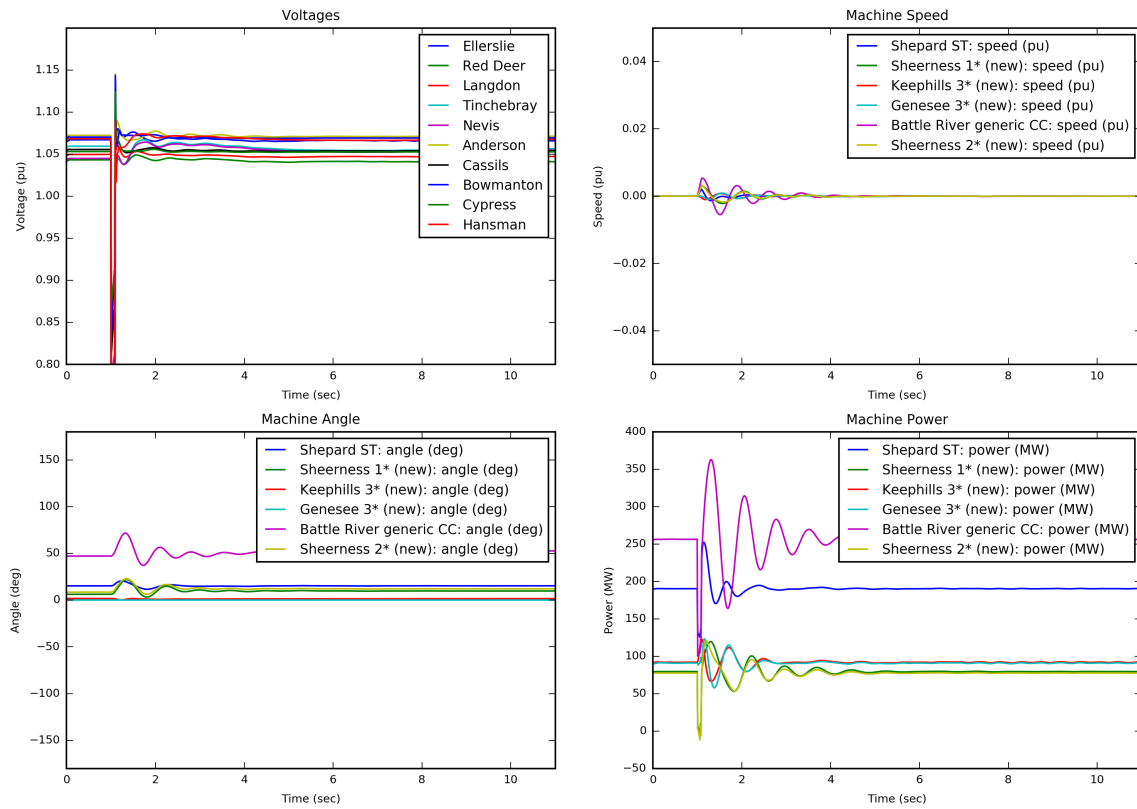
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Nevis - Red Deer) near Red Deer
- T = 1.0920 s: Tripped 912L (Nevis - Red Deer)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 36



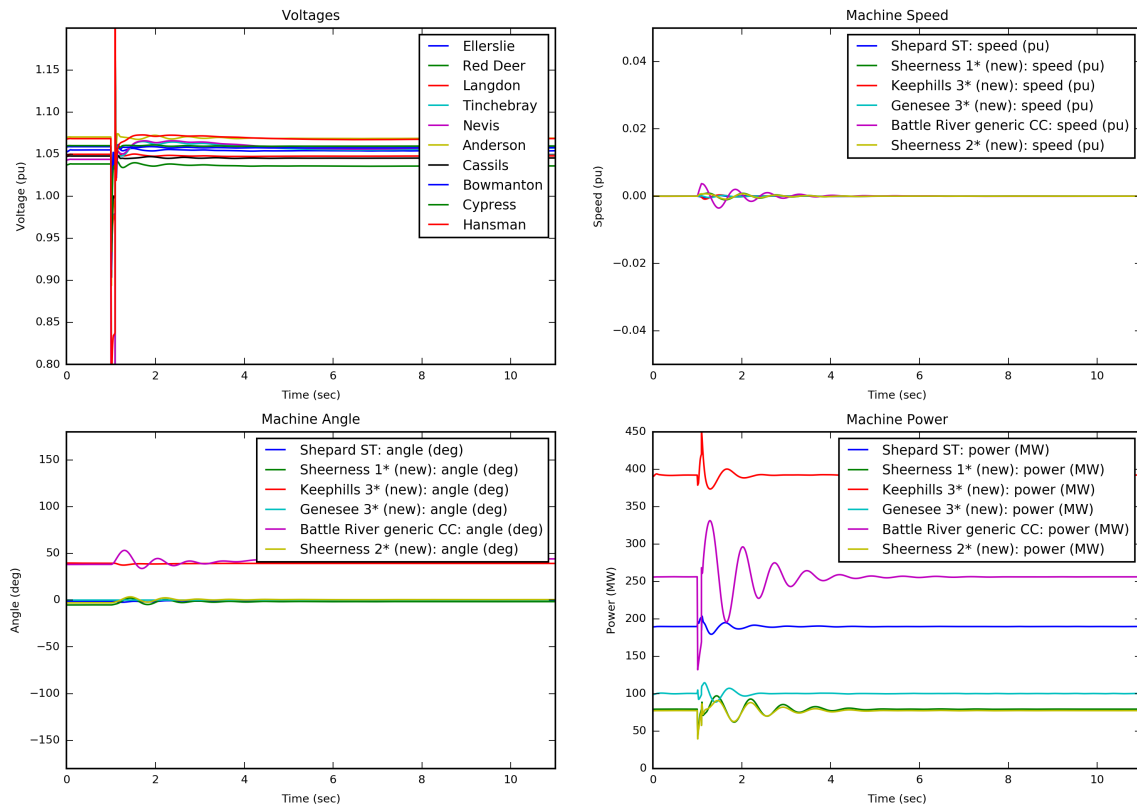
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Nevis - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 912L (Nevis - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 37



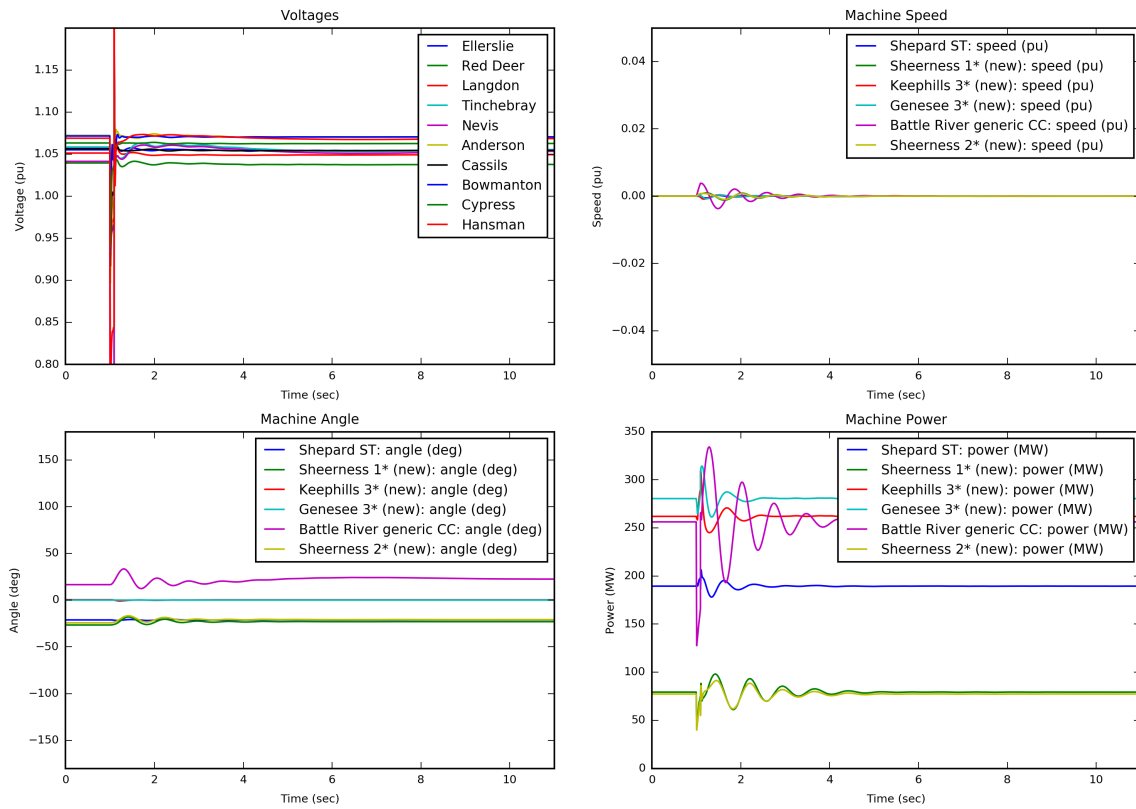
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Red Deer - Nevis) near Nevis
- T = 1.0920 s: Tripped 912L (Red Deer - Nevis)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 38



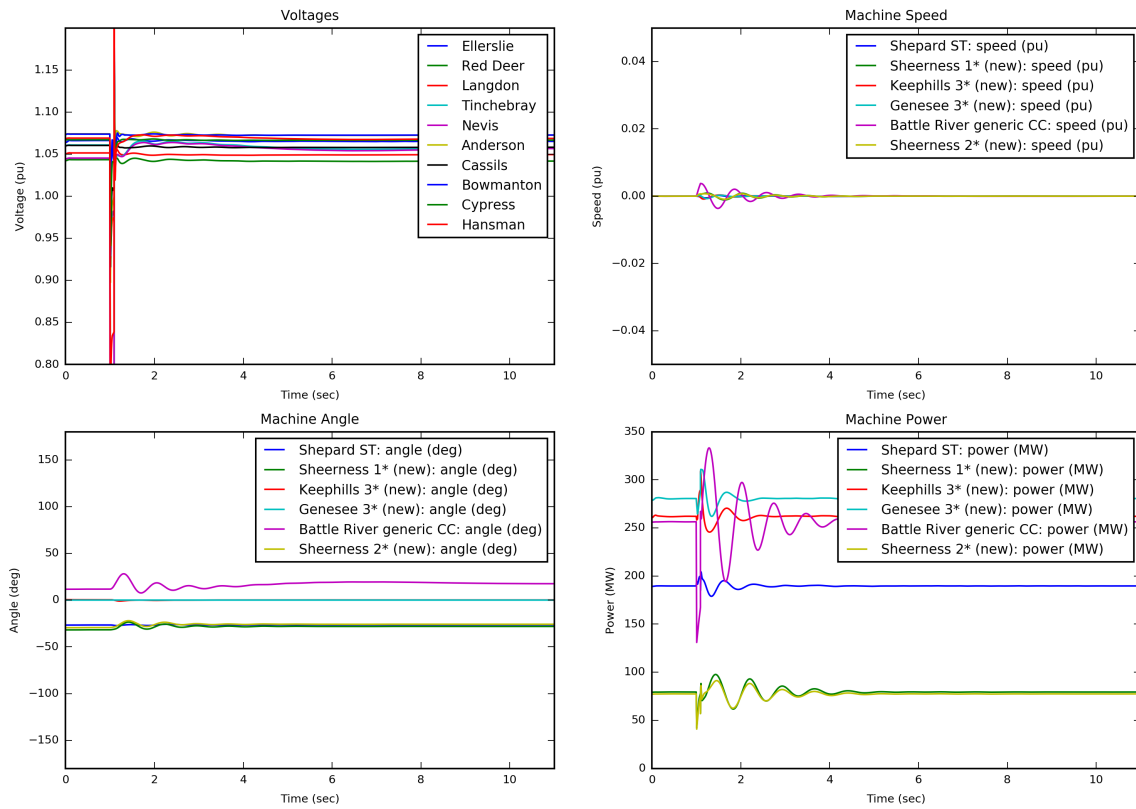
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Red Deer - Nevis) near Nevis
- T = 1.0920 s: Tripped 912L (Red Deer - Nevis)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 39



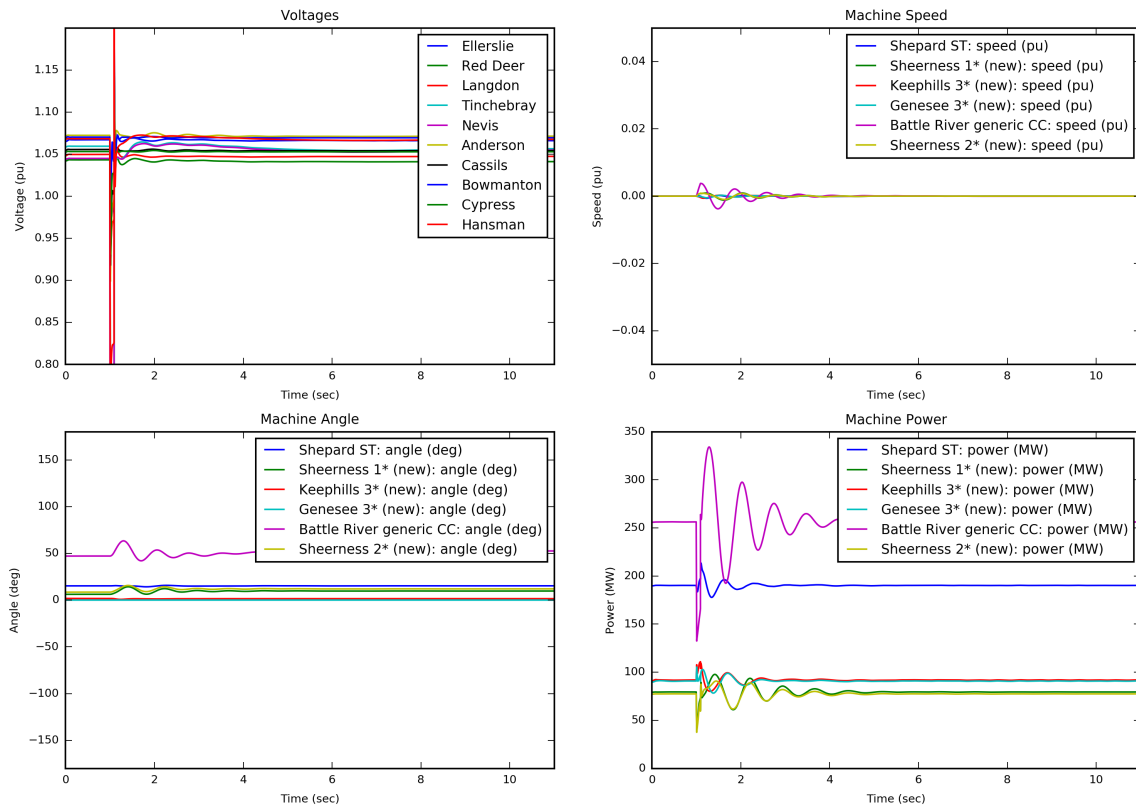
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Red Deer - Nevis) near Nevis
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 912L (Red Deer - Nevis)
- T = 1.0920 s: Fault is cleared

Figure 40



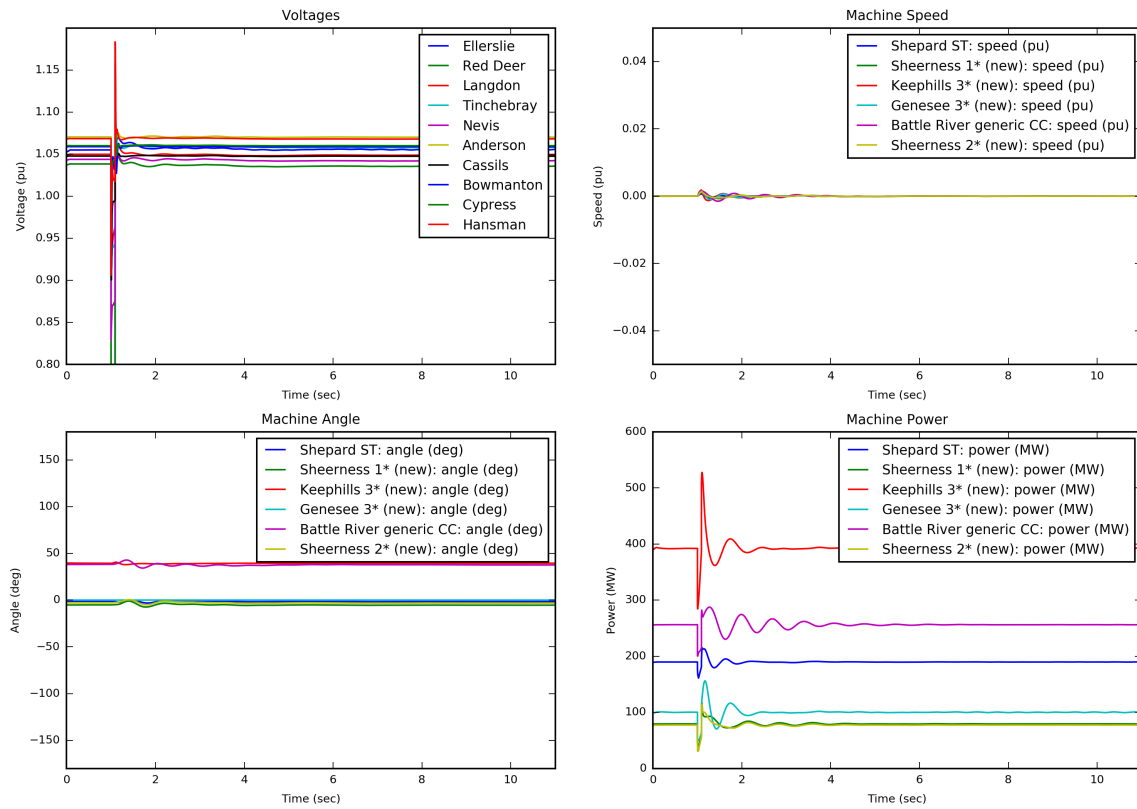
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 912L (Red Deer - Nevis) near Nevis
- T = 1.0920 s: Tripped 912L (Red Deer - Nevis)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 41



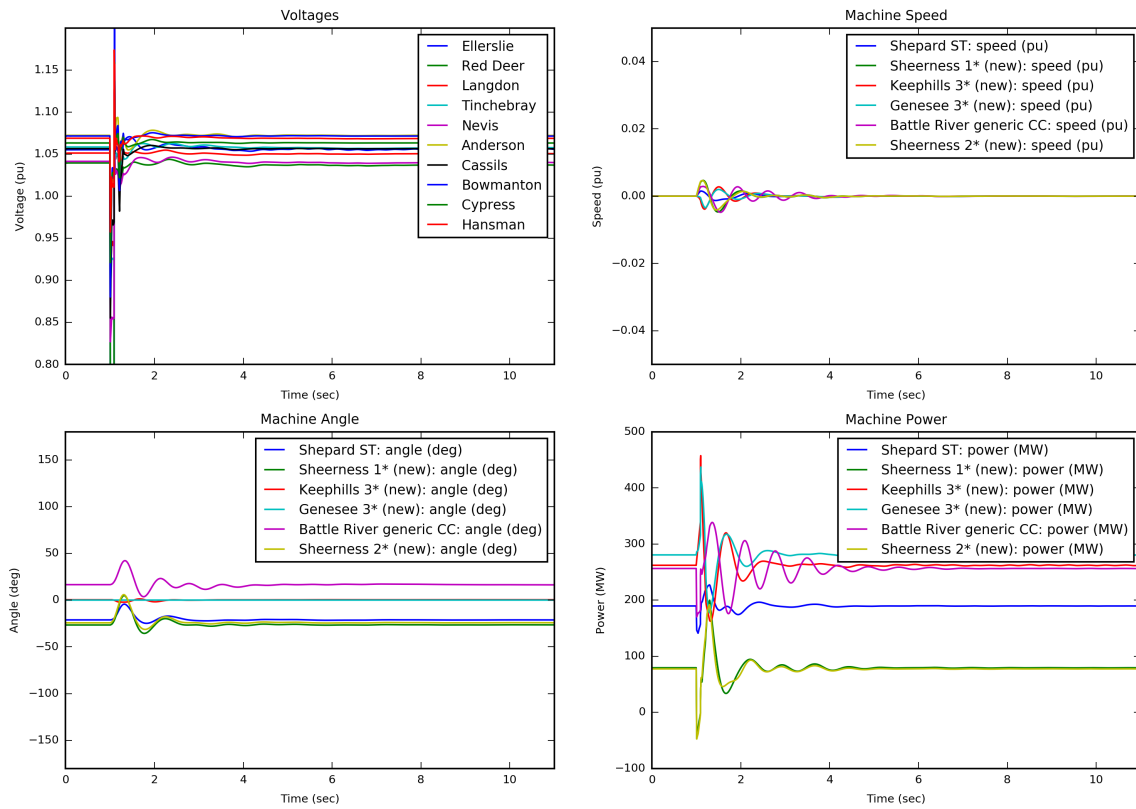
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Bigstone - Gaetz) near Bigstone
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Bigstone - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 42



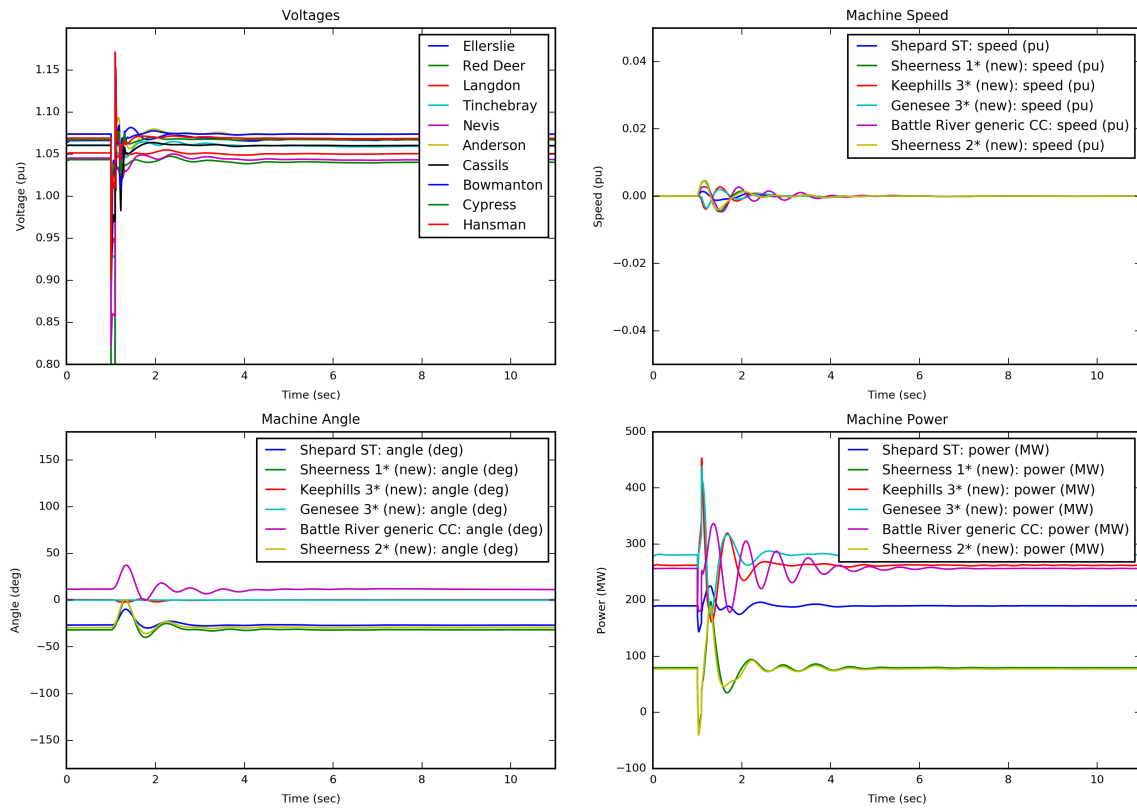
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Bigstone - Gaetz) near Bigstone
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Bigstone - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 43



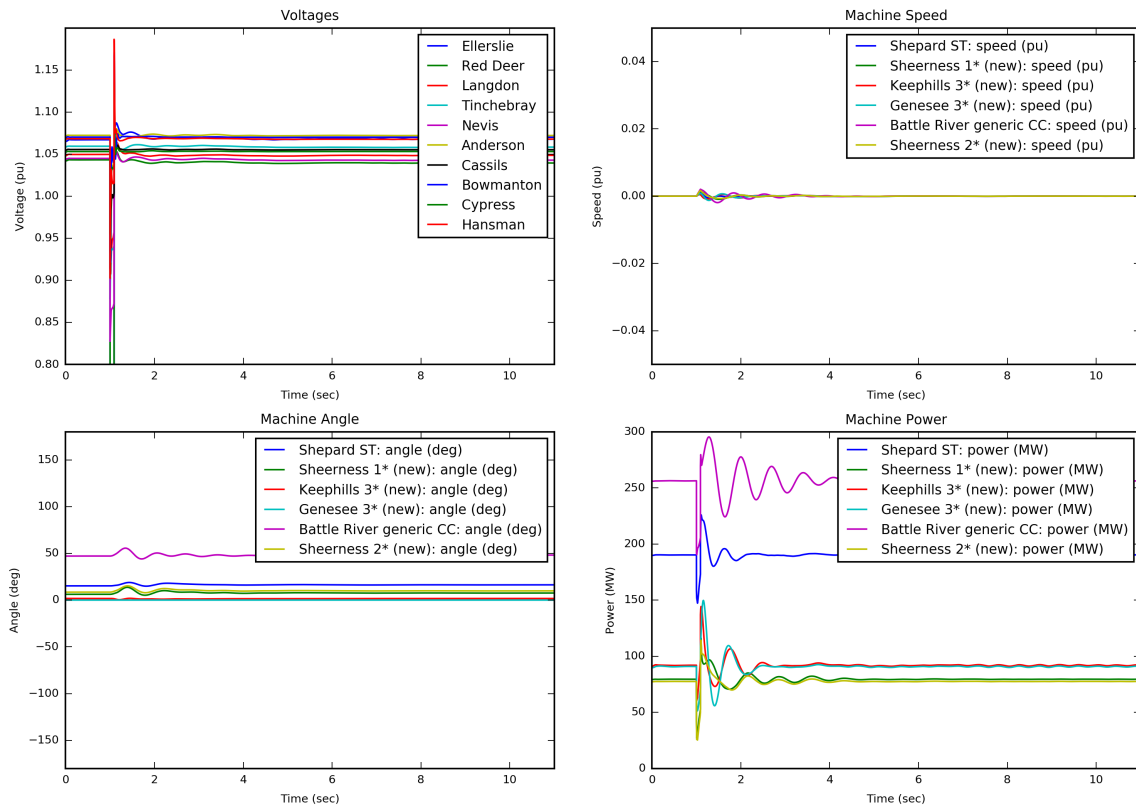
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Bigstone - Gaetz) near Bigstone
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Bigstone - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 44



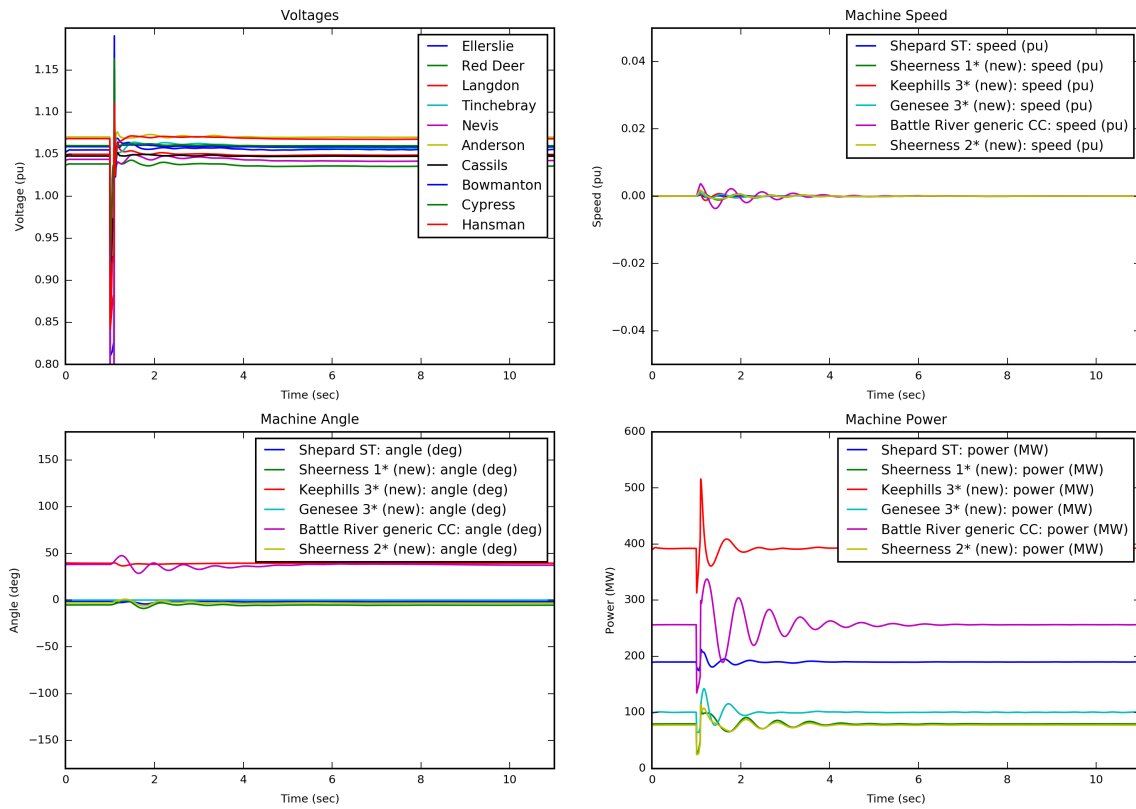
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Bigstone - Gaetz) near Bigstone
- T = 1.0920 s: Tripped 914L (Bigstone - Gaetz)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 45



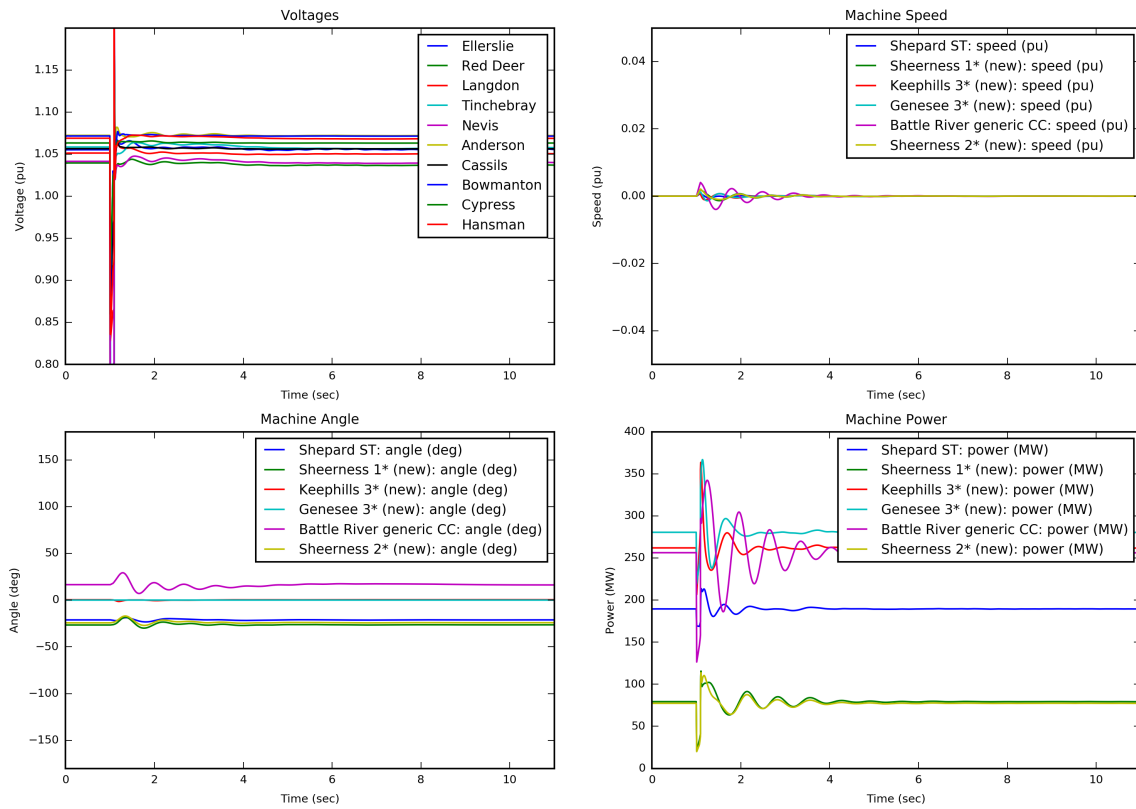
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Bigstone) near Gaetz
- T = 1.0920 s: Tripped 914L (Gaetz - Bigstone)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 46



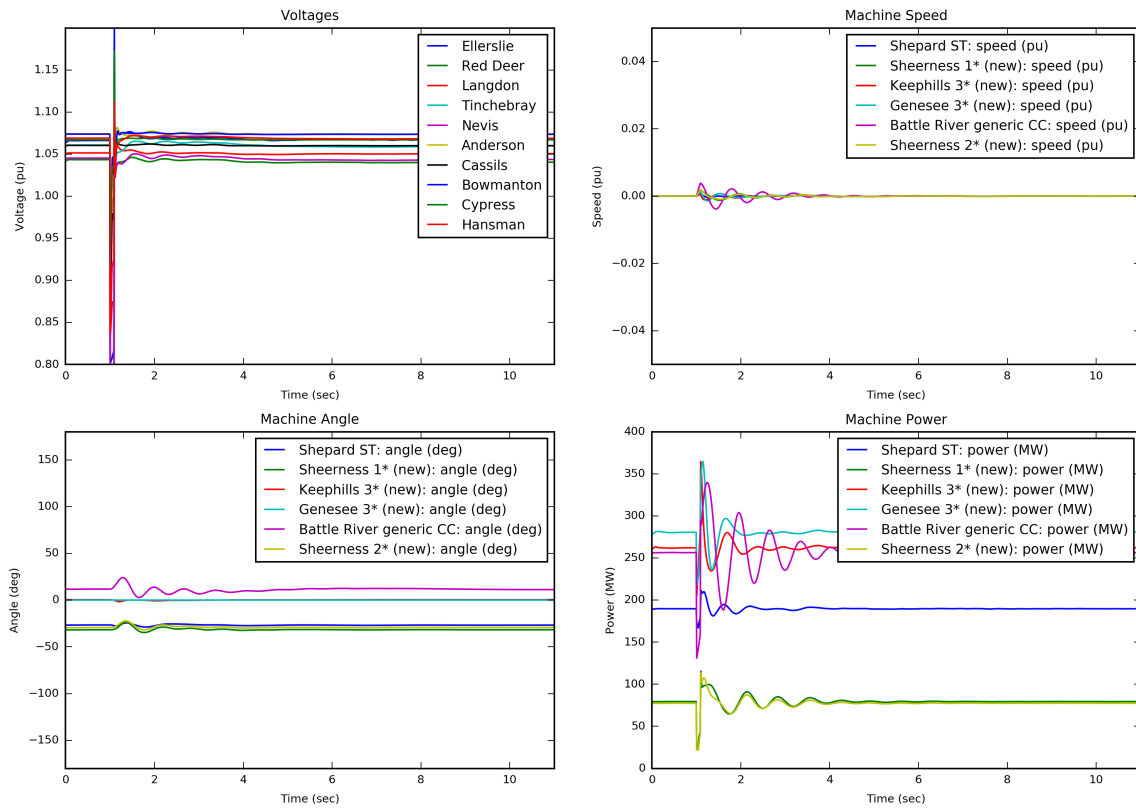
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Bigstone) near Gaetz
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Gaetz - Bigstone)
- T = 1.0920 s: Fault is cleared

Figure 47



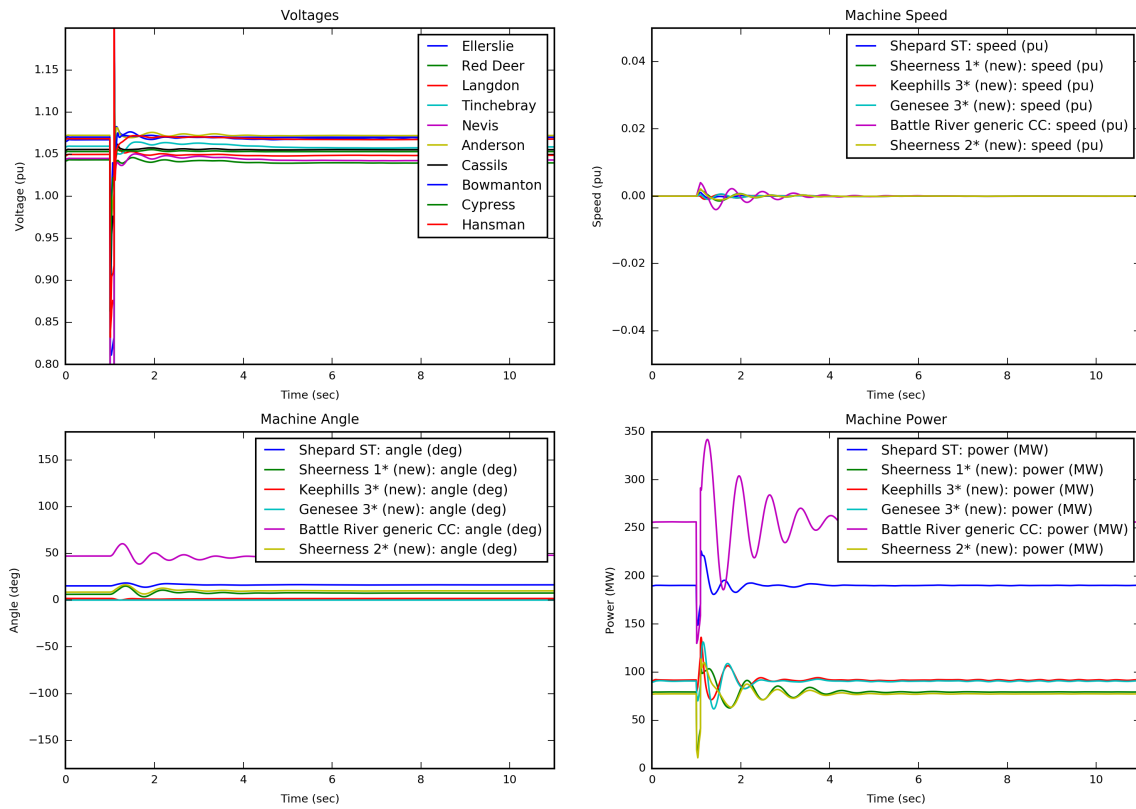
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Bigstone) near Gaetz
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Gaetz - Bigstone)
- T = 1.0920 s: Fault is cleared

Figure 48



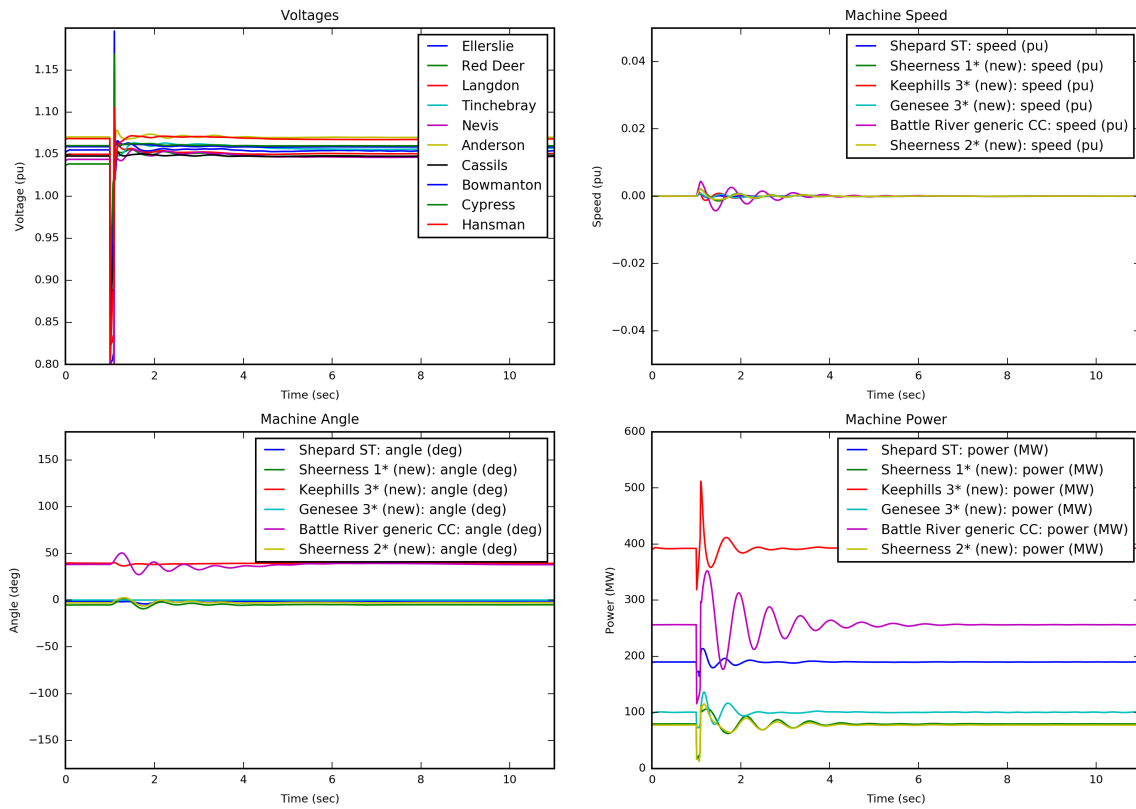
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Bigstone) near Gaetz
- T = 1.0920 s: Tripped 914L (Gaetz - Bigstone)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 49



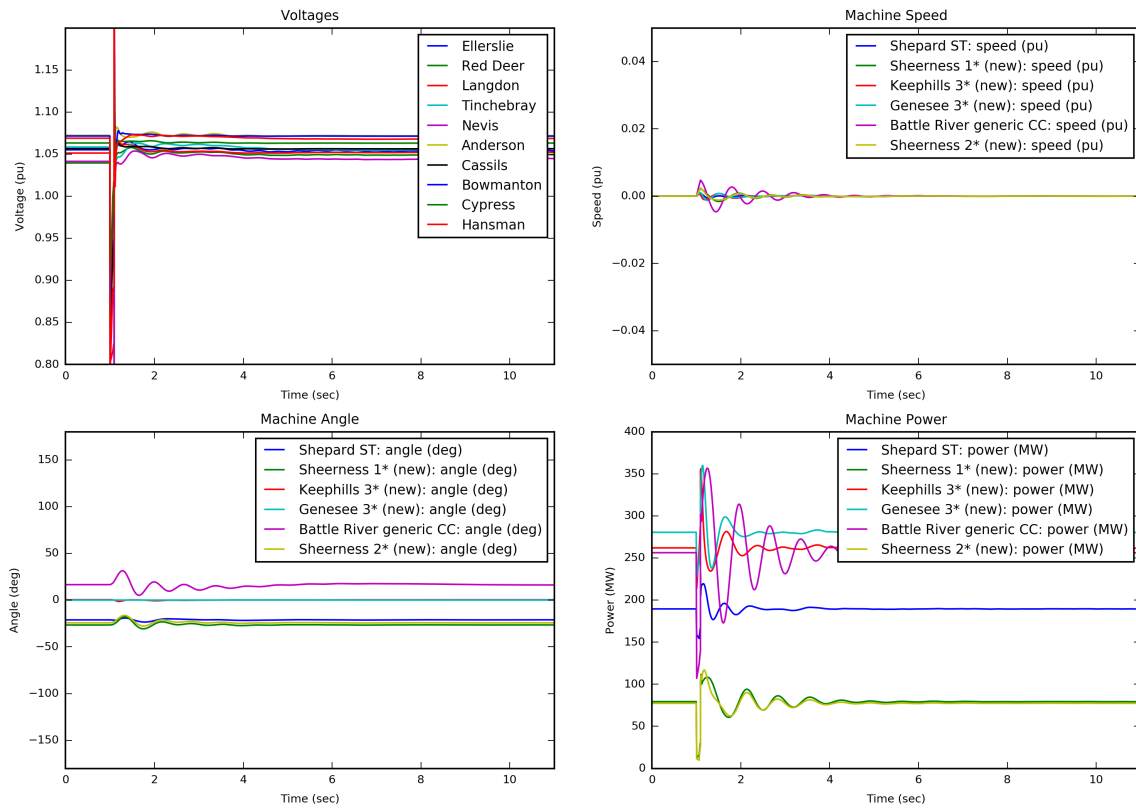
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Red Deer - Gaetz) near Gaetz
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Red Deer - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 50



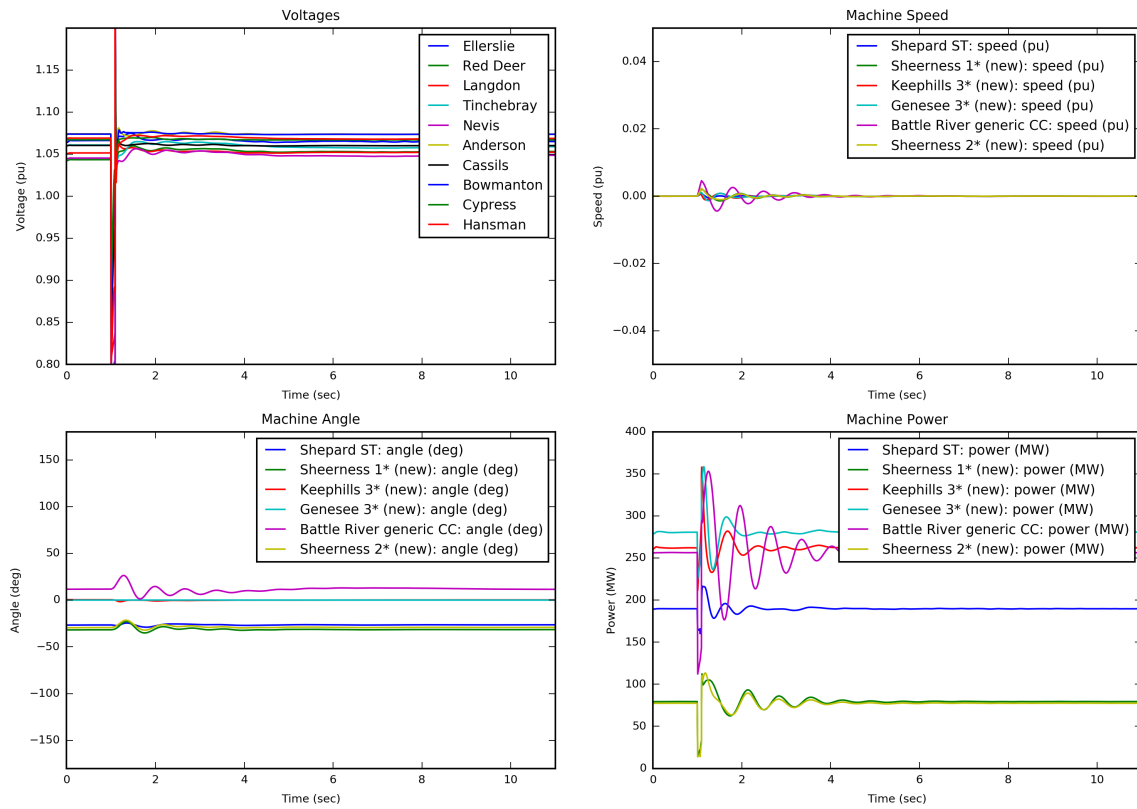
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Red Deer - Gaetz) near Gaetz
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Red Deer - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 51



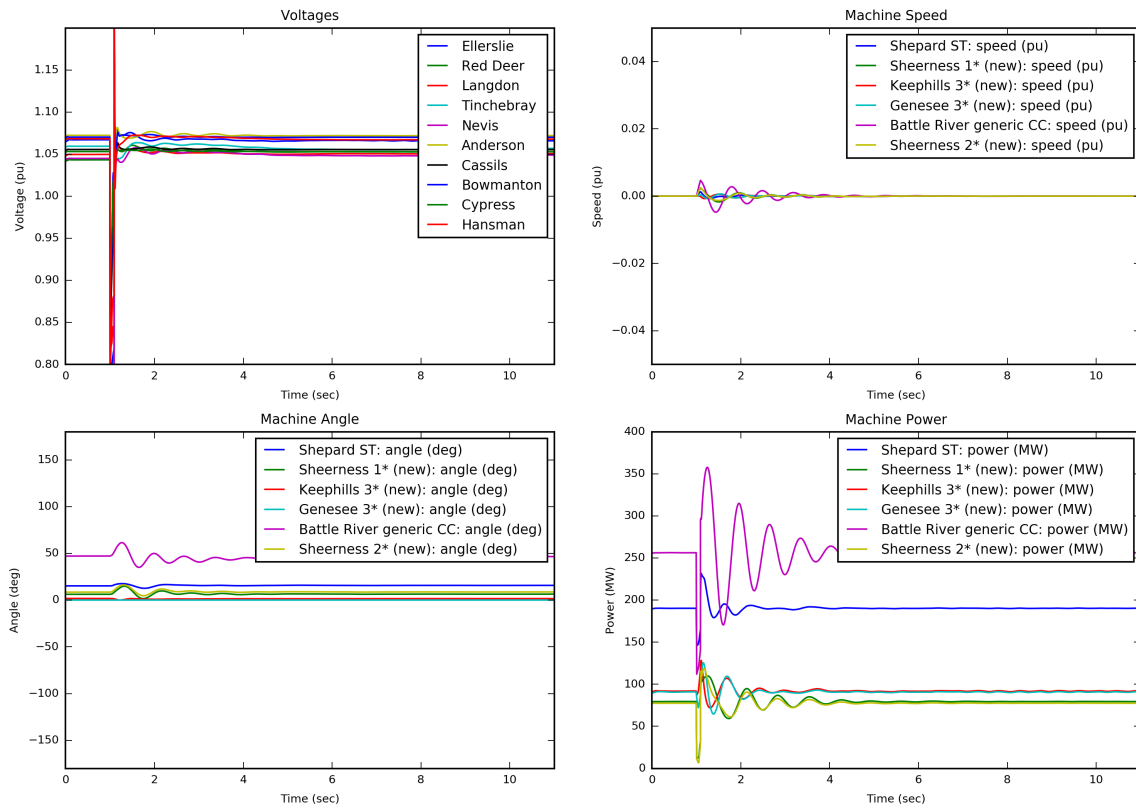
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Red Deer - Gaetz) near Gaetz
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Red Deer - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 52



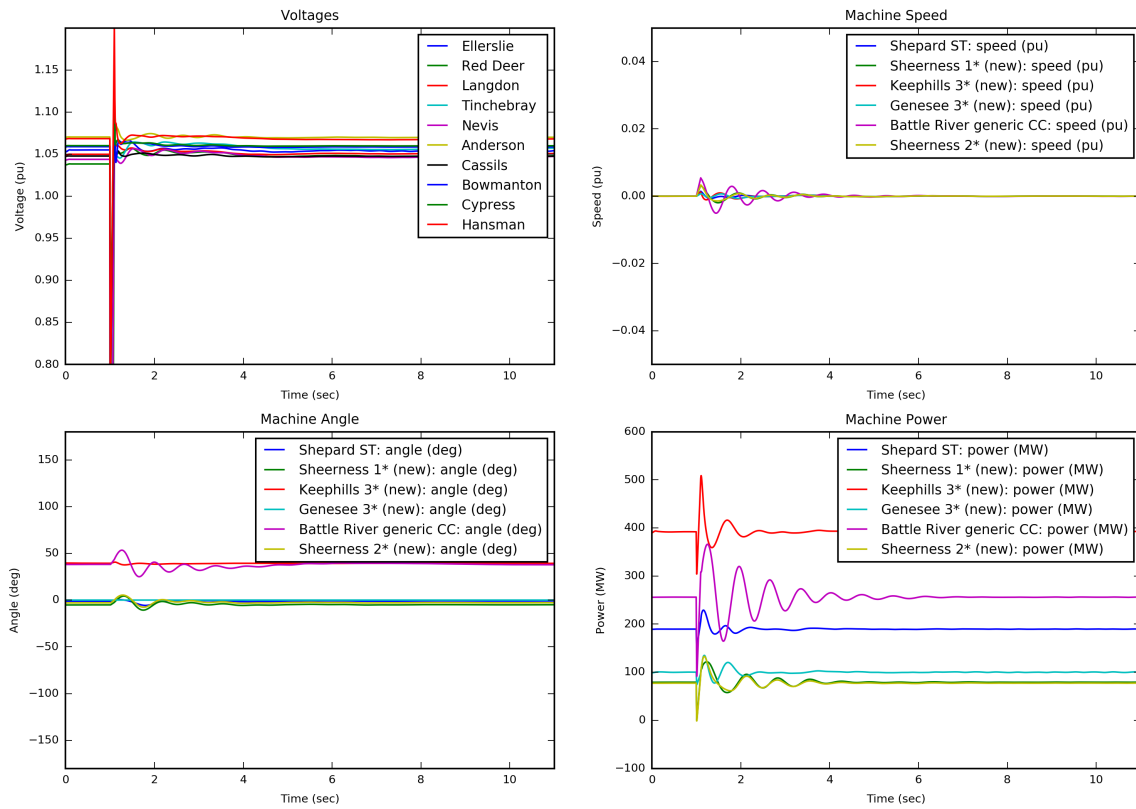
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Red Deer - Gaetz) near Gaetz
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Red Deer - Gaetz)
- T = 1.0920 s: Fault is cleared

Figure 53



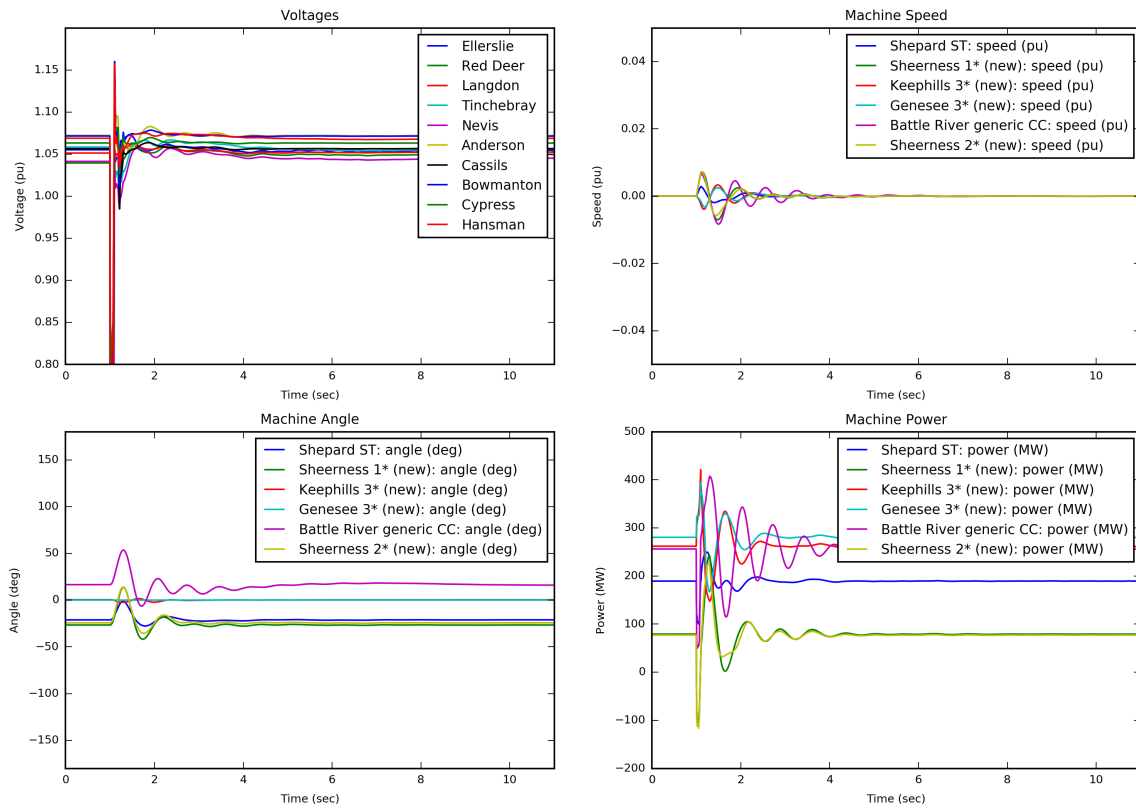
Case Description

— Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Gaetz - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 54



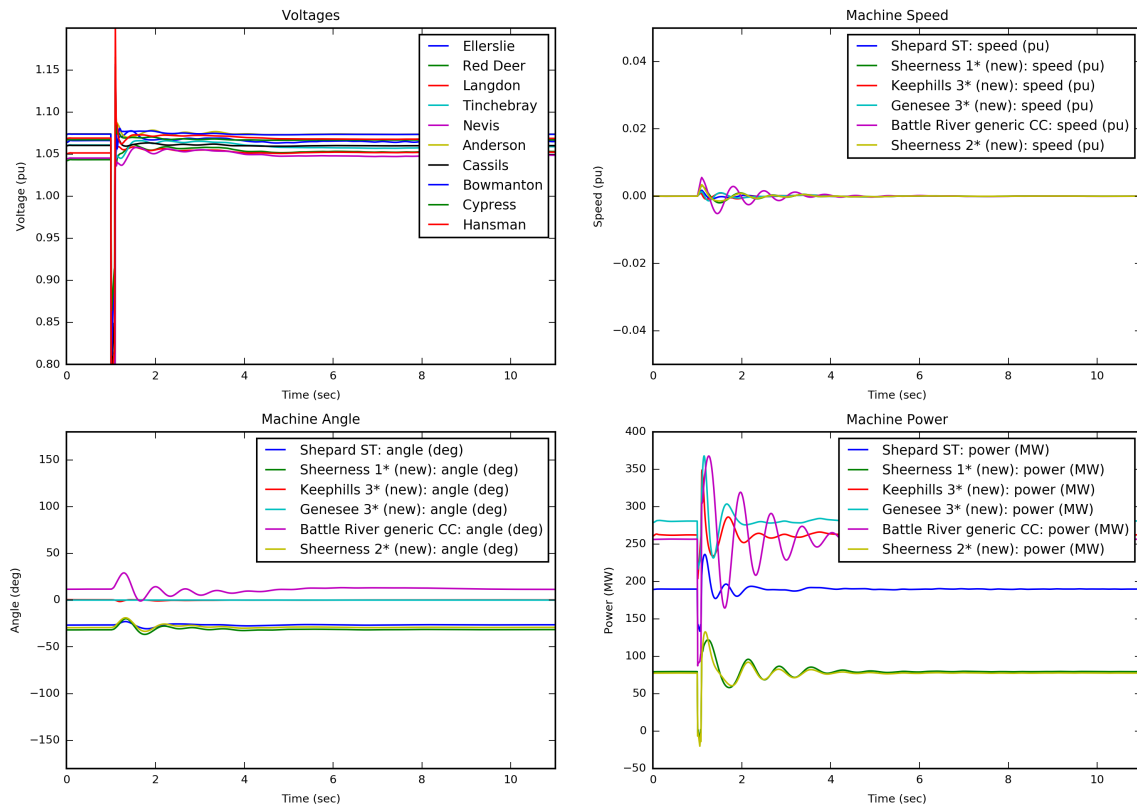
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Gaetz - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 55



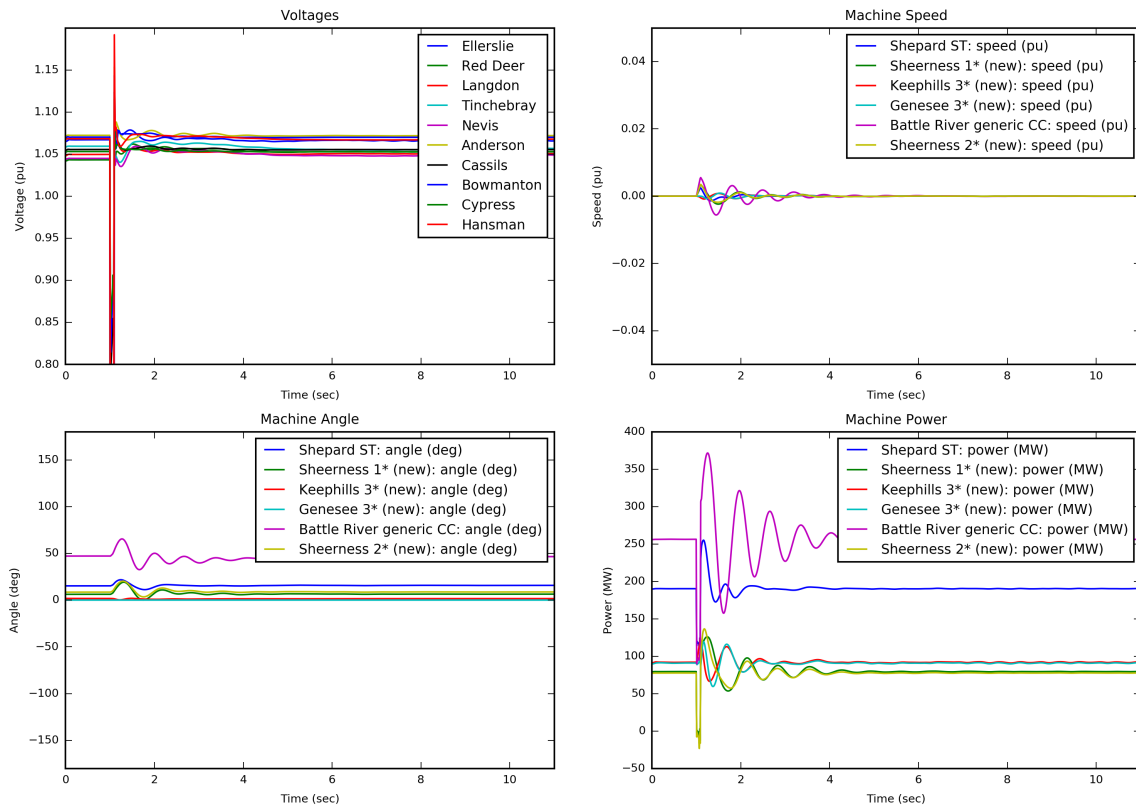
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Gaetz - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 56



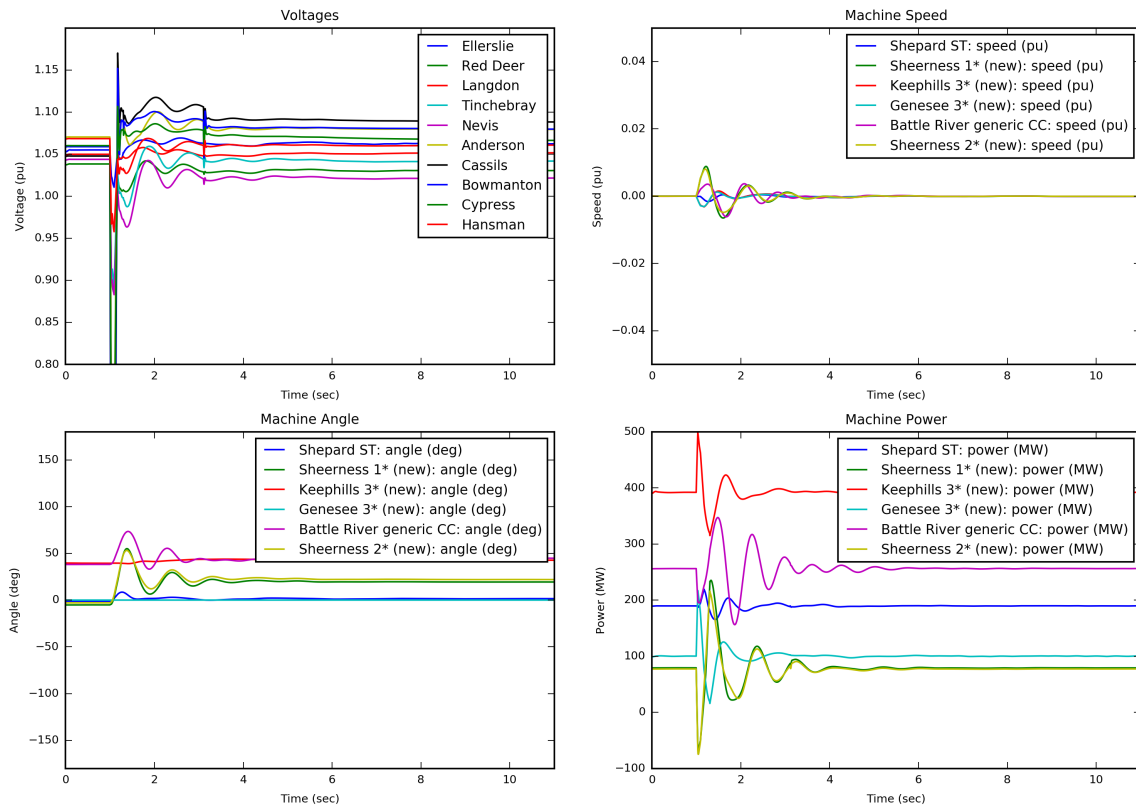
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 914L (Gaetz - Red Deer) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 914L (Gaetz - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 57



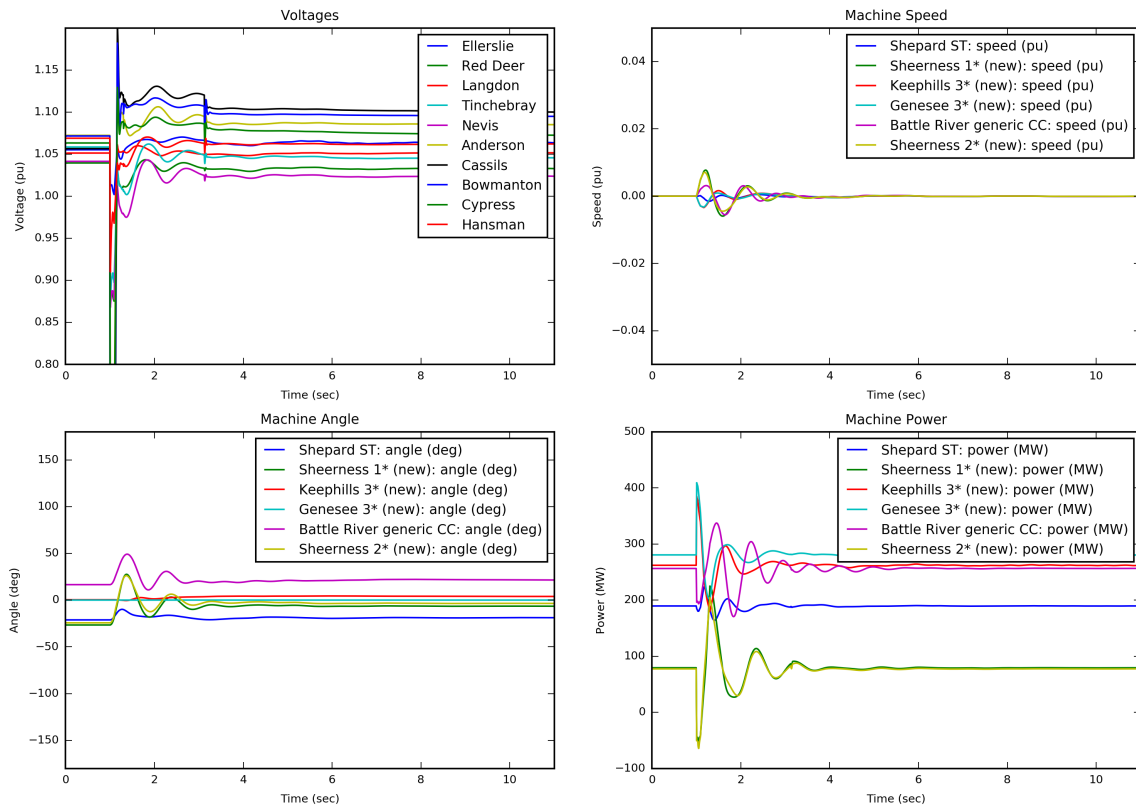
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: Tripped 923L
- T = 1.1010 s: Tripped 935L
- T = 1.1010 s: Fault is cleared
- T = 1.1010 s: EATL runback to 500 MW activated

Figure 58



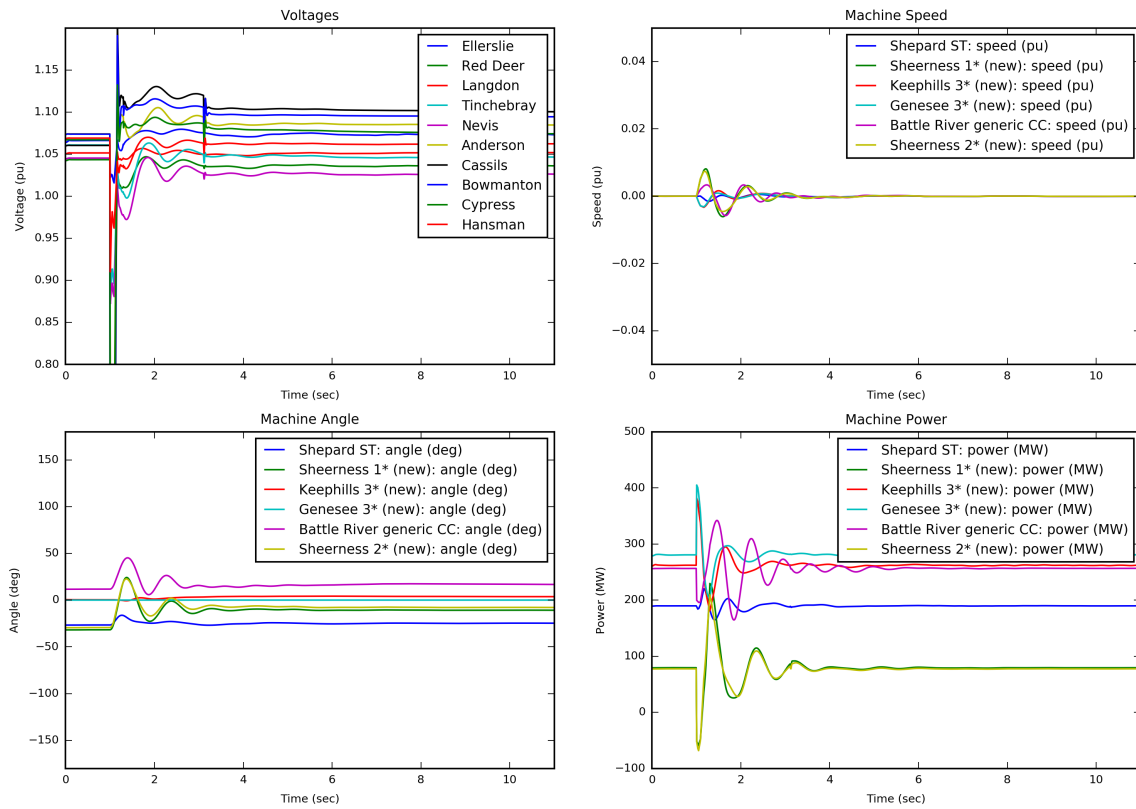
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: EATL runback to 500 MW activated
- T = 1.1010 s: Tripped 923L
- T = 1.1010 s: Tripped 935L
- T = 1.1010 s: Fault is cleared

Figure 59



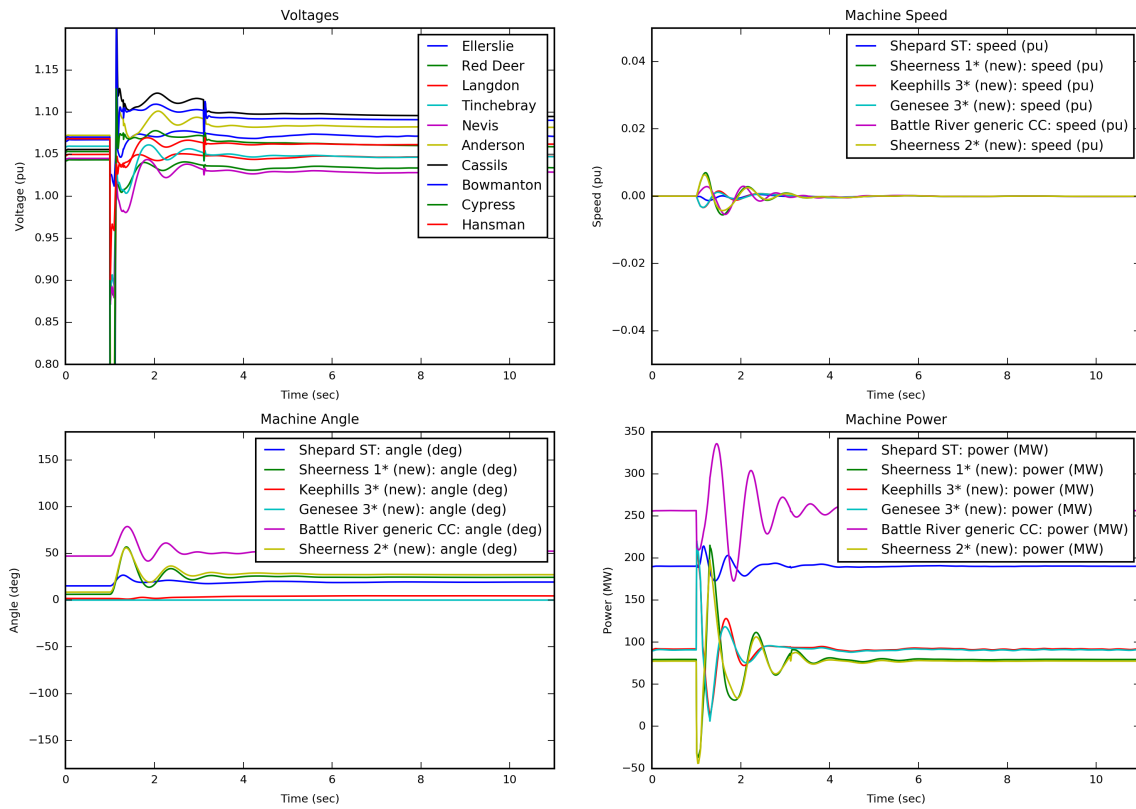
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: EATL runback to 500 MW activated
- T = 1.1010 s: Tripped 923L
- T = 1.1010 s: Tripped 935L
- T = 1.1010 s: Fault is cleared

Figure 60



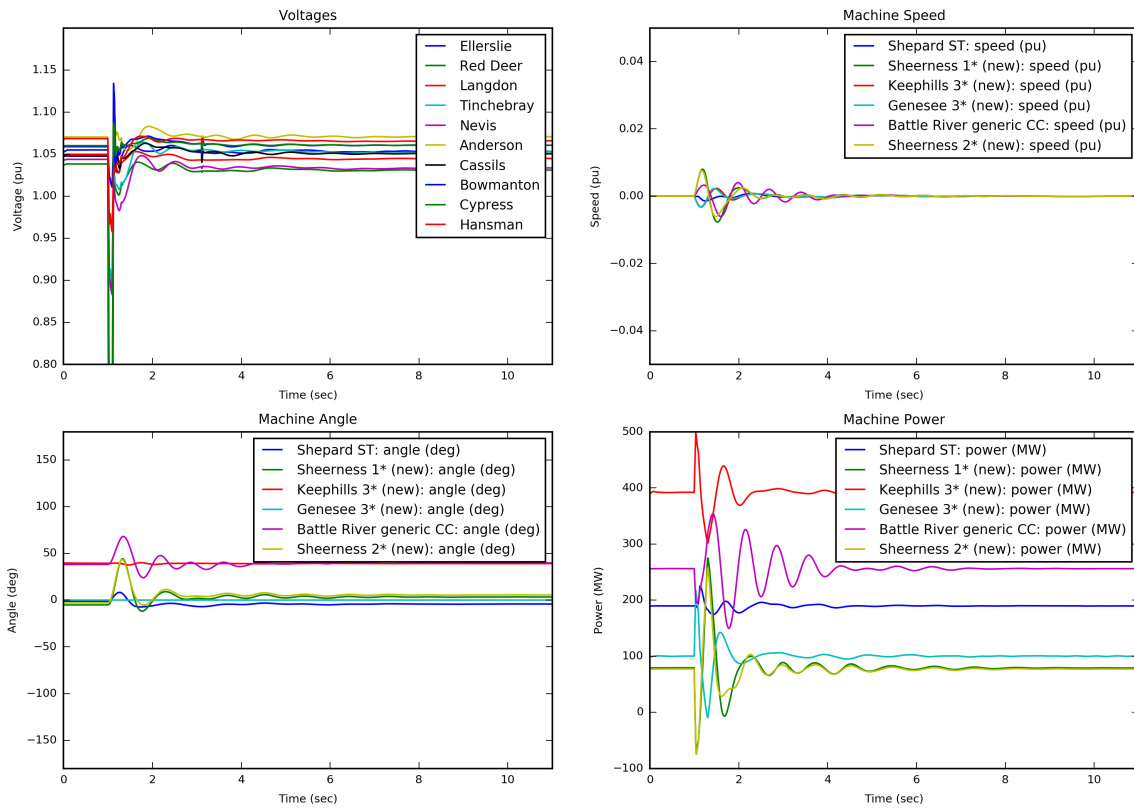
Case Description

— Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: EATL runback to 500 MW activated
- T = 1.1010 s: Tripped 923L
- T = 1.1010 s: Tripped 935L
- T = 1.1010 s: Fault is cleared

Figure 61



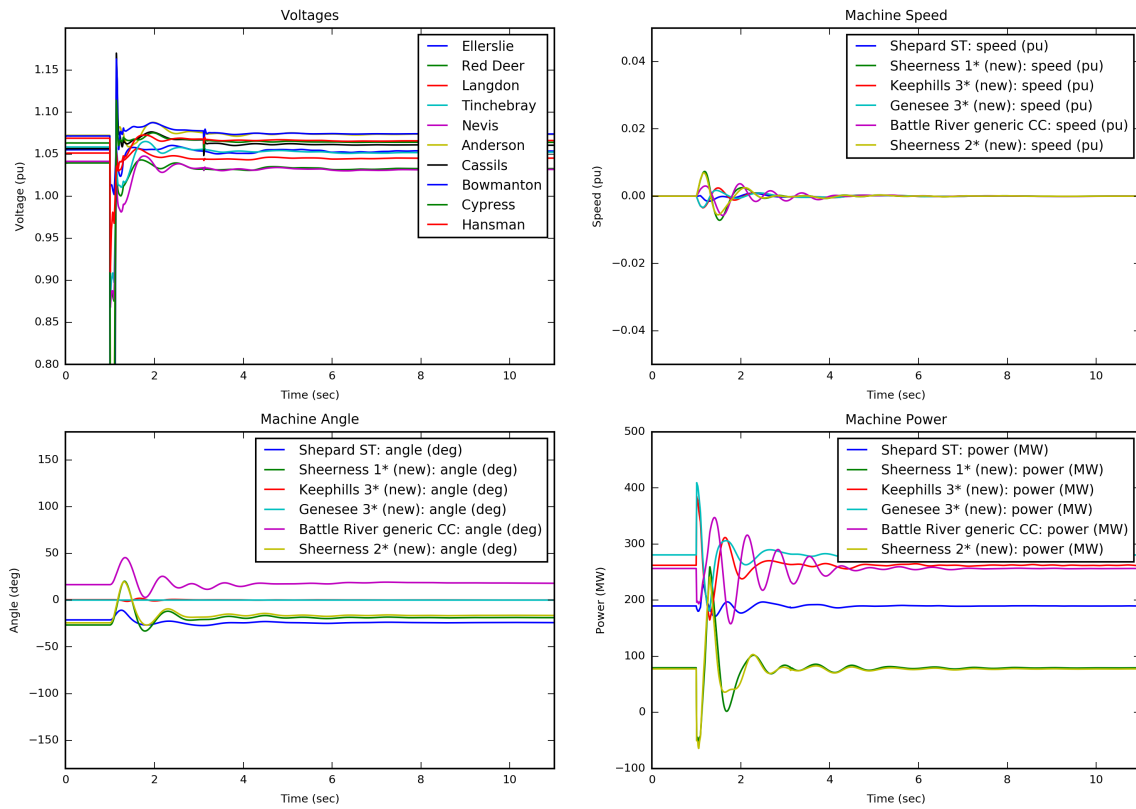
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: Tripped 924L
- T = 1.1010 s: Tripped 927L
- T = 1.1010 s: Fault is cleared

Figure 62



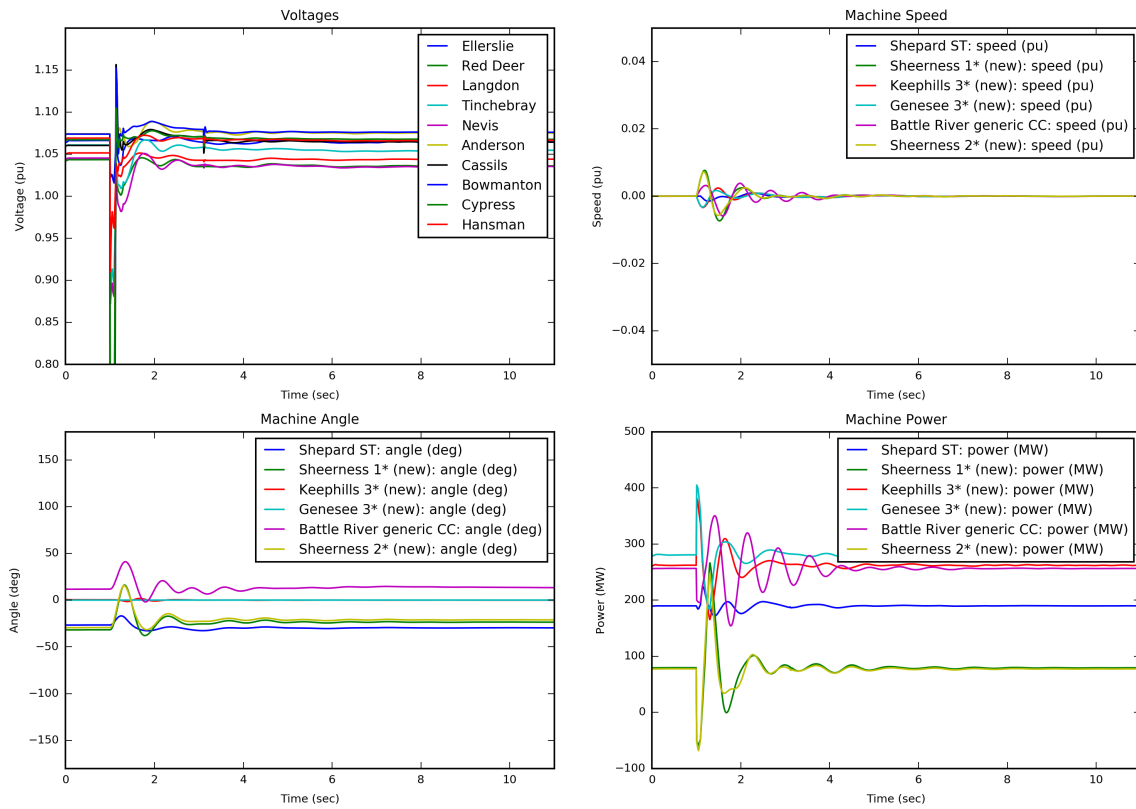
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: Tripped 924L
- T = 1.1010 s: Tripped 927L
- T = 1.1010 s: Fault is cleared

Figure 63



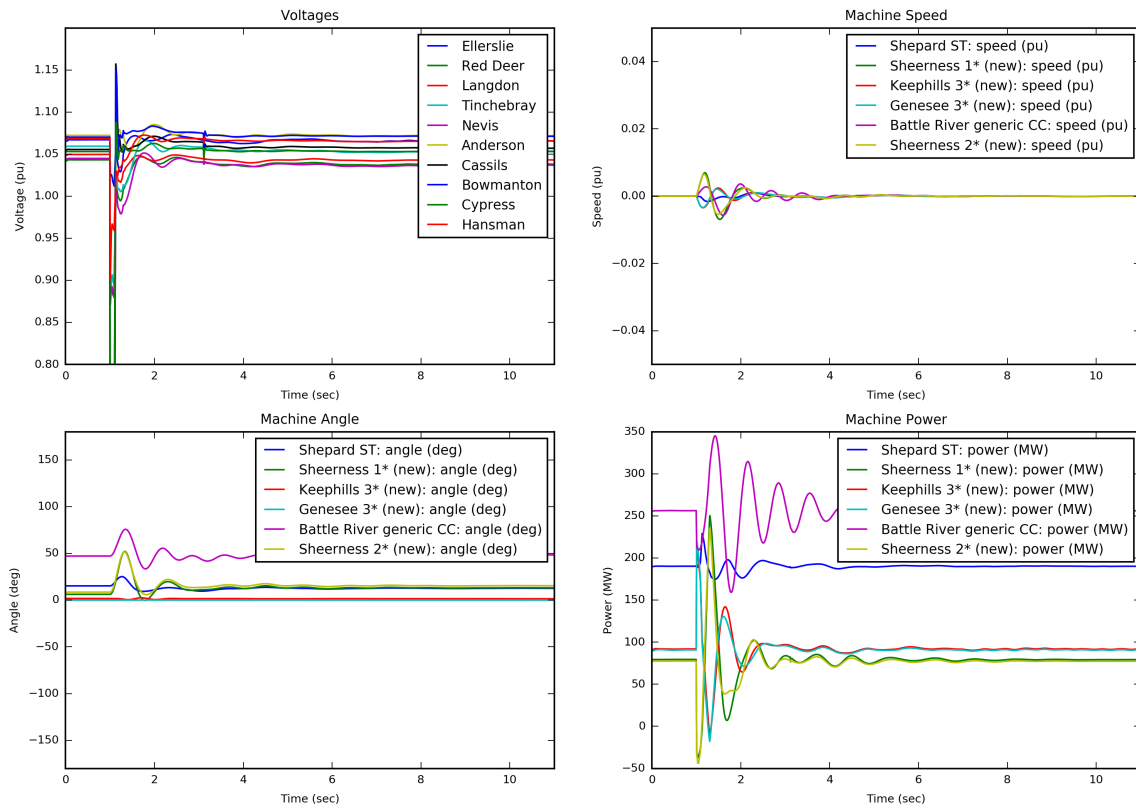
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: Tripped 924L
- T = 1.1010 s: Tripped 927L
- T = 1.1010 s: Fault is cleared

Figure 64



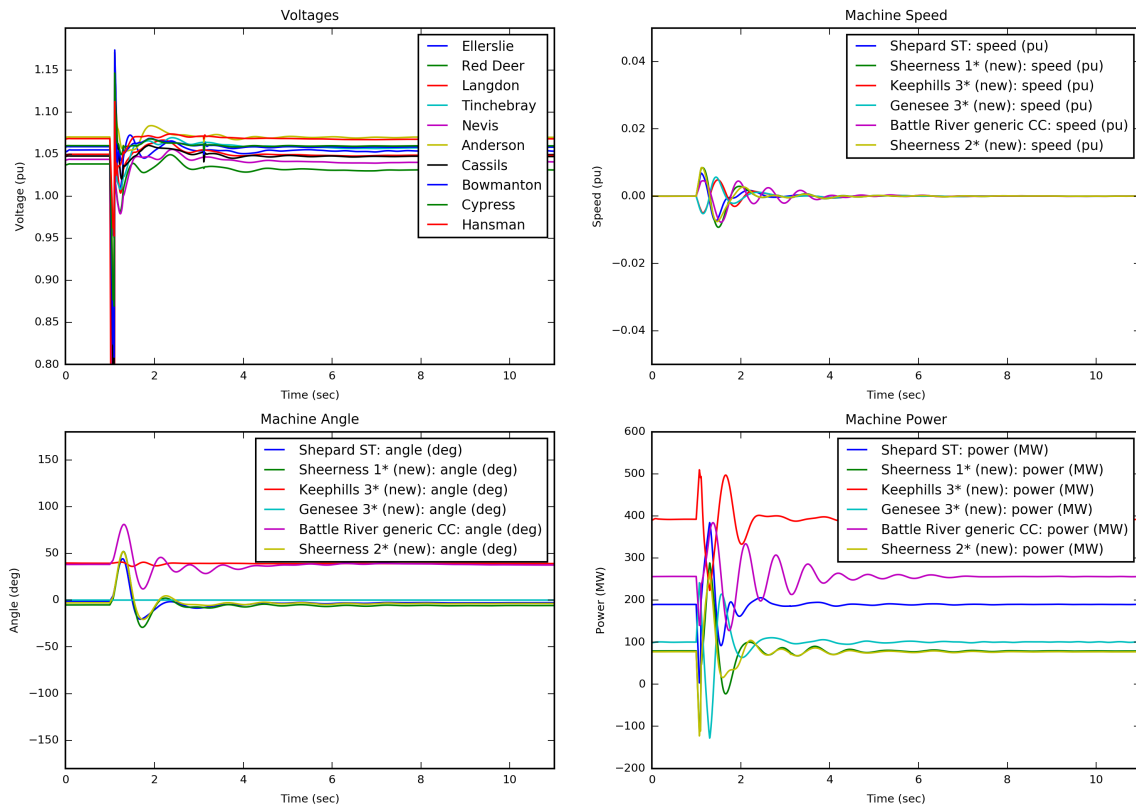
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Milo
- T = 1.1010 s: Tripped 924L
- T = 1.1010 s: Tripped 927L
- T = 1.1010 s: Fault is cleared

Figure 65



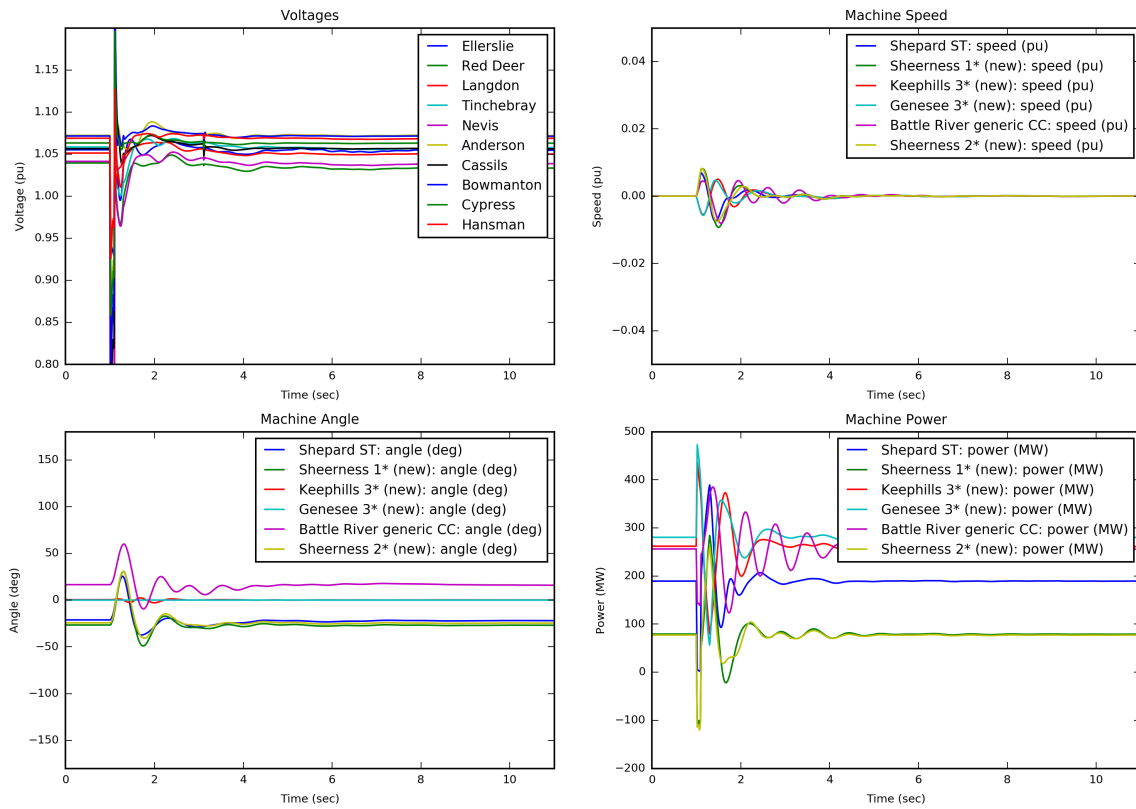
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Janet
- T = 1.1010 s: Tripped 925L
- T = 1.1010 s: Tripped 929L
- T = 1.1010 s: Fault is cleared

Figure 66



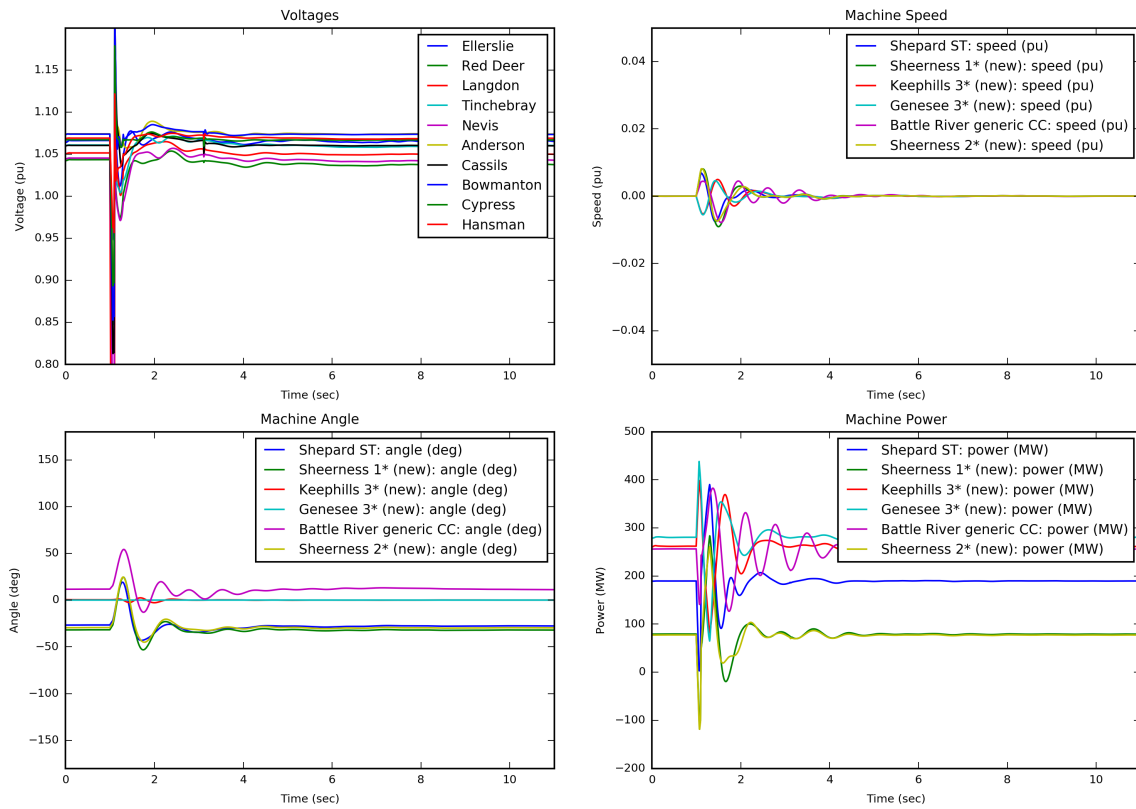
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Janet
- T = 1.1010 s: Tripped 925L
- T = 1.1010 s: Tripped 929L
- T = 1.1010 s: Fault is cleared

Figure 67



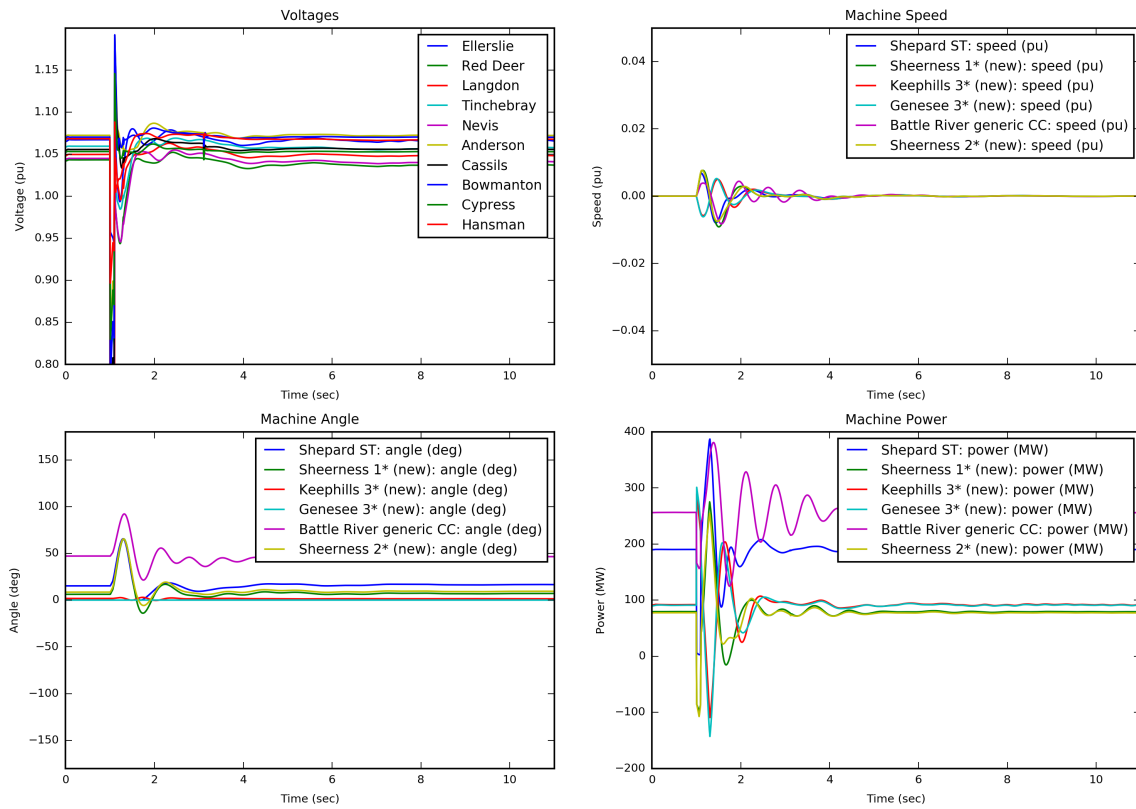
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Janet
- T = 1.1010 s: Tripped 925L
- T = 1.1010 s: Tripped 929L
- T = 1.1010 s: Fault is cleared

Figure 68



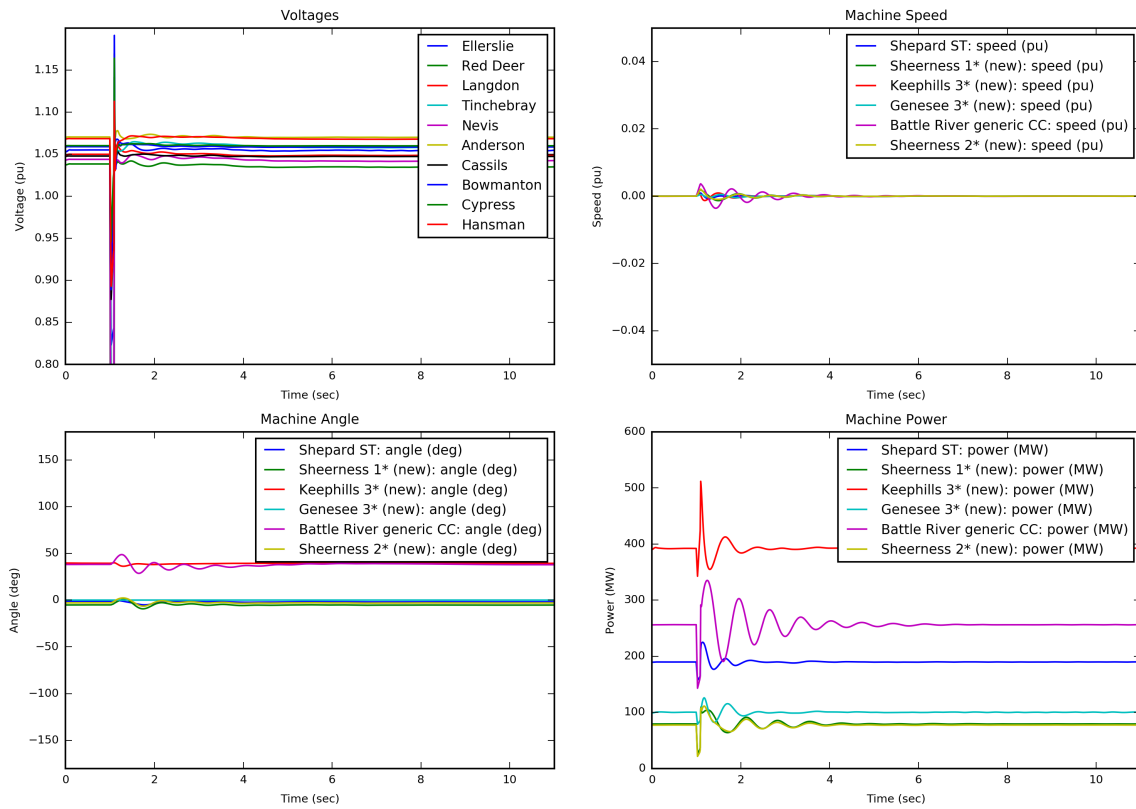
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Janet
- T = 1.1010 s: Tripped 925L
- T = 1.1010 s: Tripped 929L
- T = 1.1010 s: Fault is cleared

Figure 69



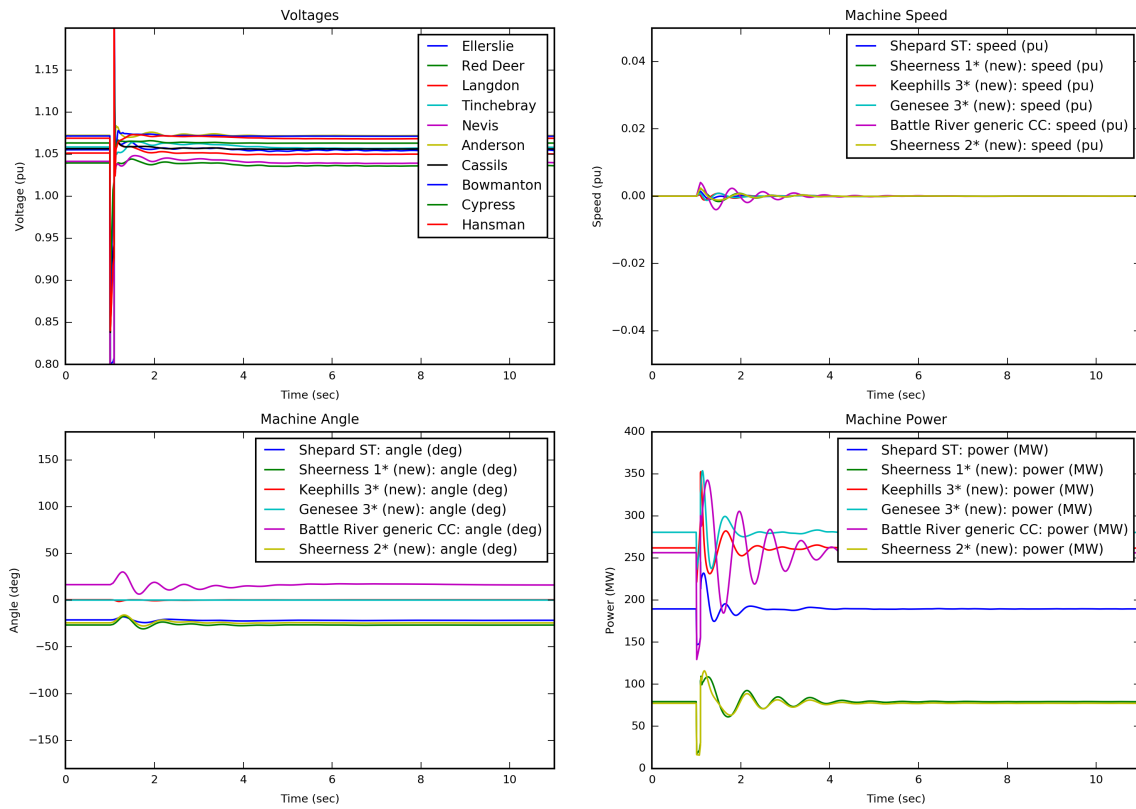
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Red Deer - Janet) near Red Deer
- T = 1.0920 s: Tripped 925L (Red Deer - Janet)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 70



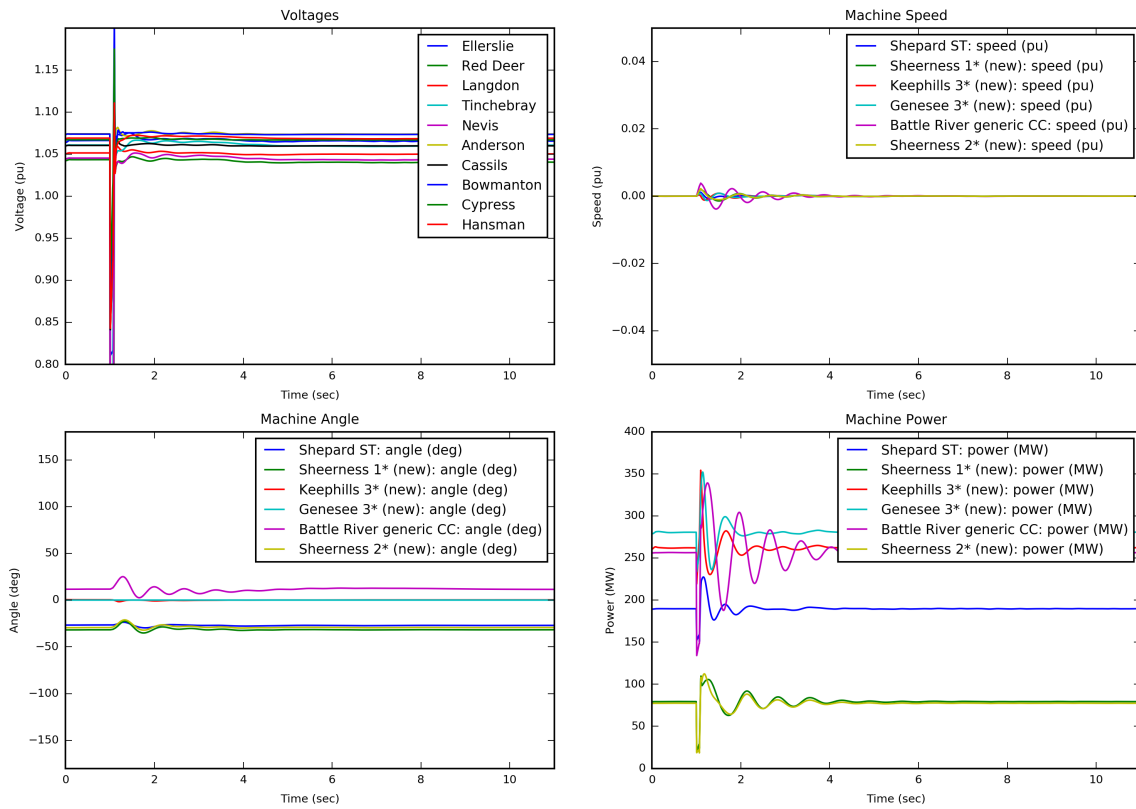
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Red Deer - Janet) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 925L (Red Deer - Janet)
- T = 1.0920 s: Fault is cleared

Figure 71



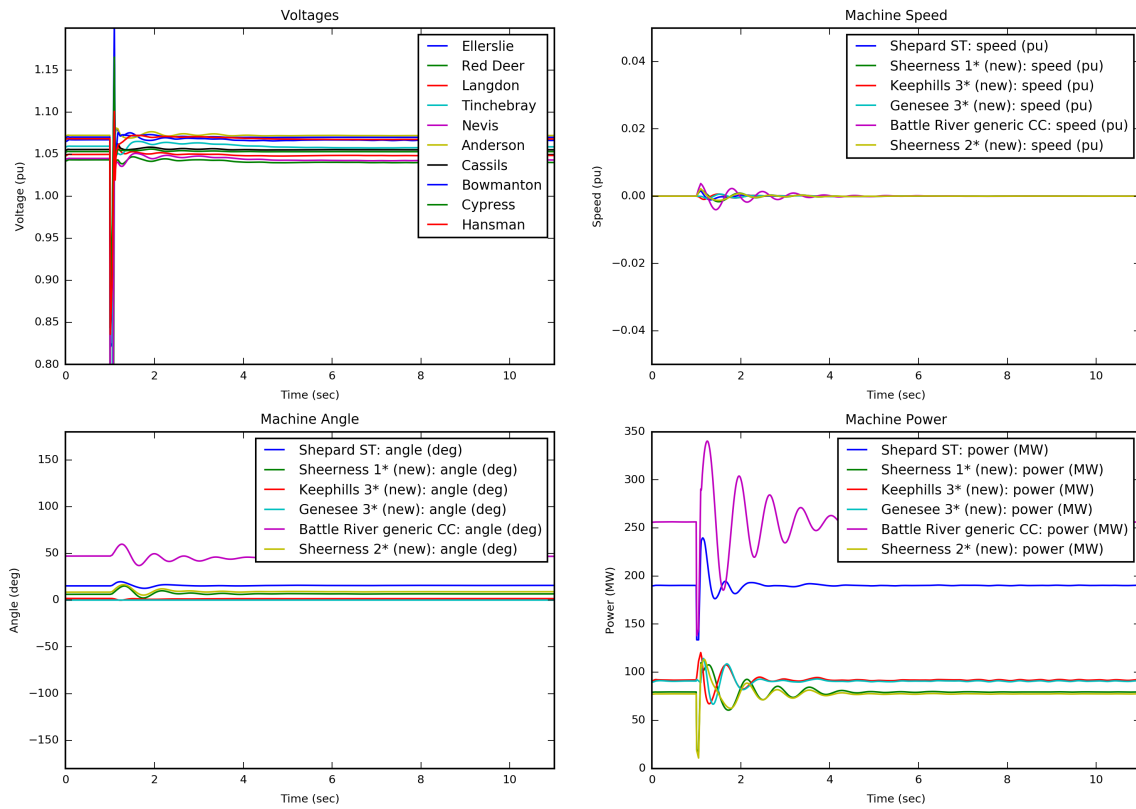
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Red Deer - Janet) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 925L (Red Deer - Janet)
- T = 1.0920 s: Fault is cleared

Figure 72



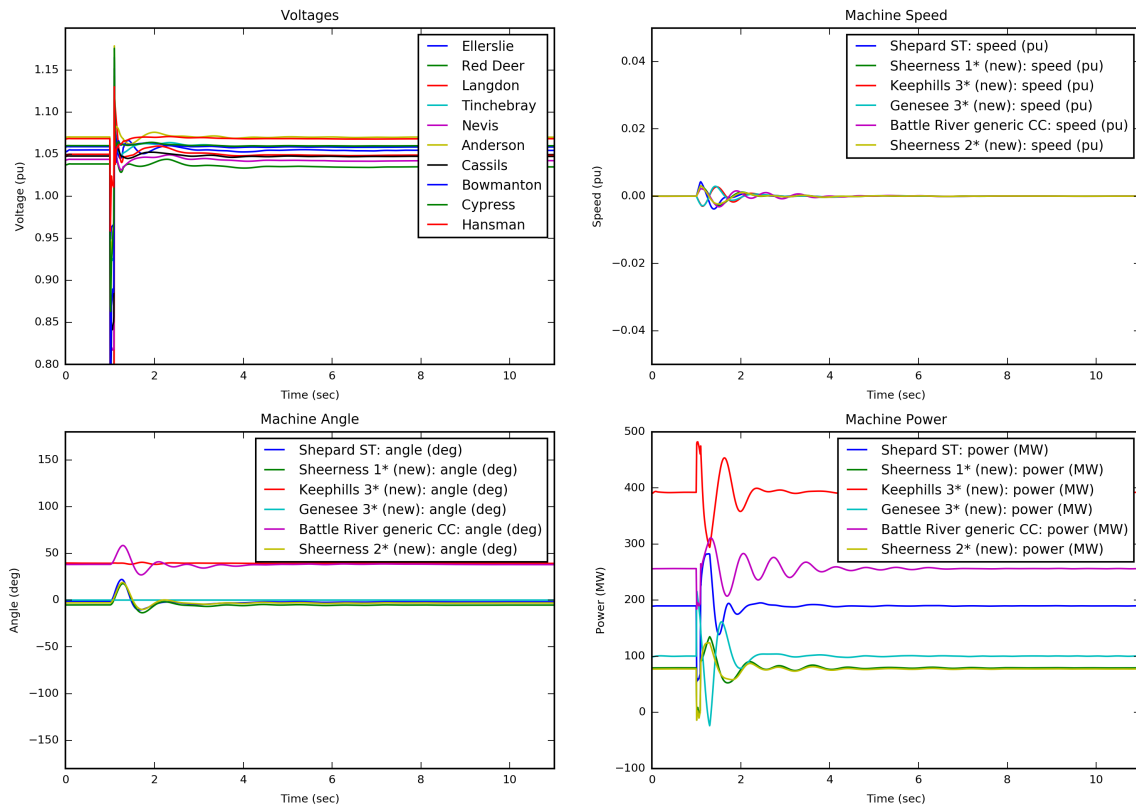
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Red Deer - Janet) near Red Deer
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 925L (Red Deer - Janet)
- T = 1.0920 s: Fault is cleared

Figure 73



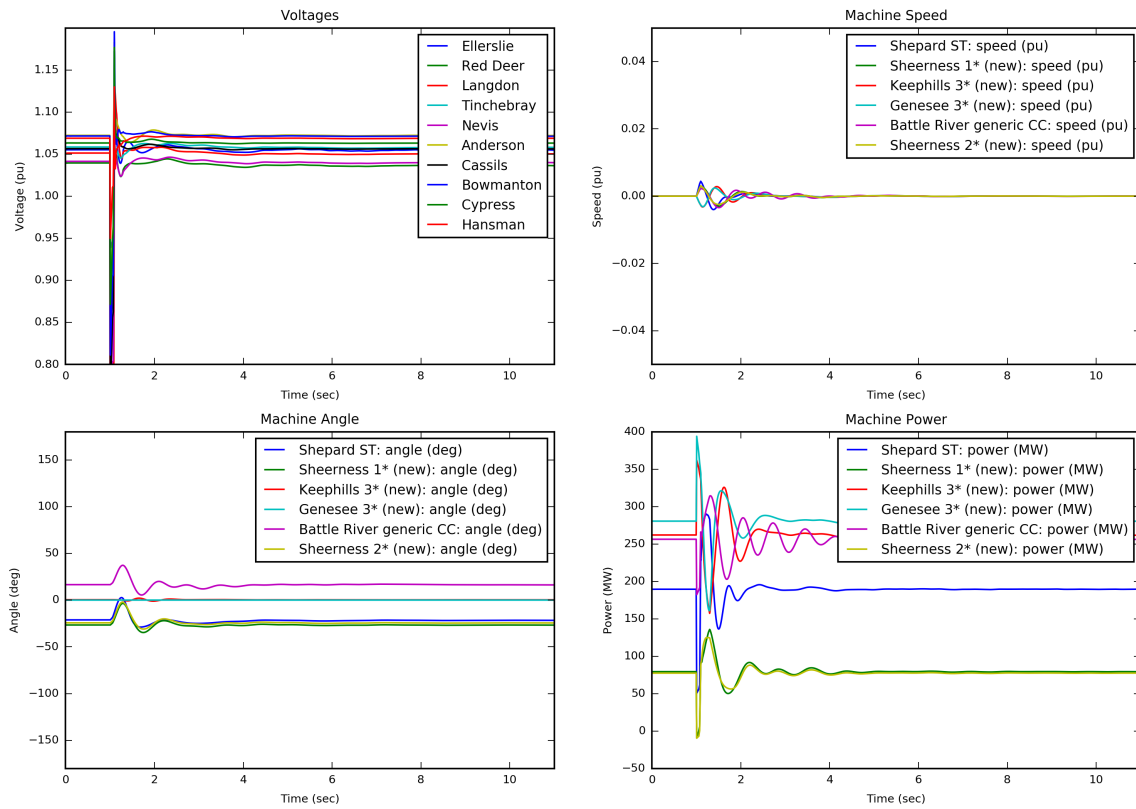
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Janet - Red Deer) near Janet
- T = 1.0920 s: Tripped 925L (Janet - Red Deer)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 74



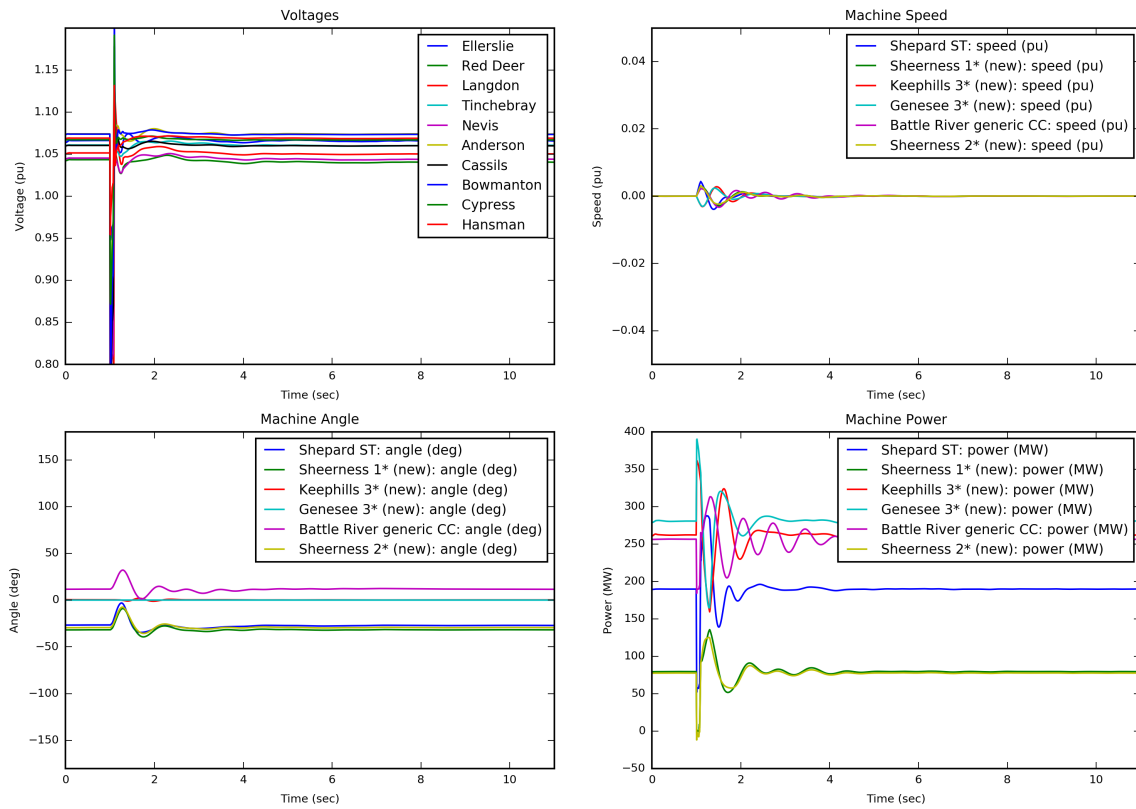
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Janet - Red Deer) near Janet
- T = 1.0920 s: Tripped 925L (Janet - Red Deer)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 75



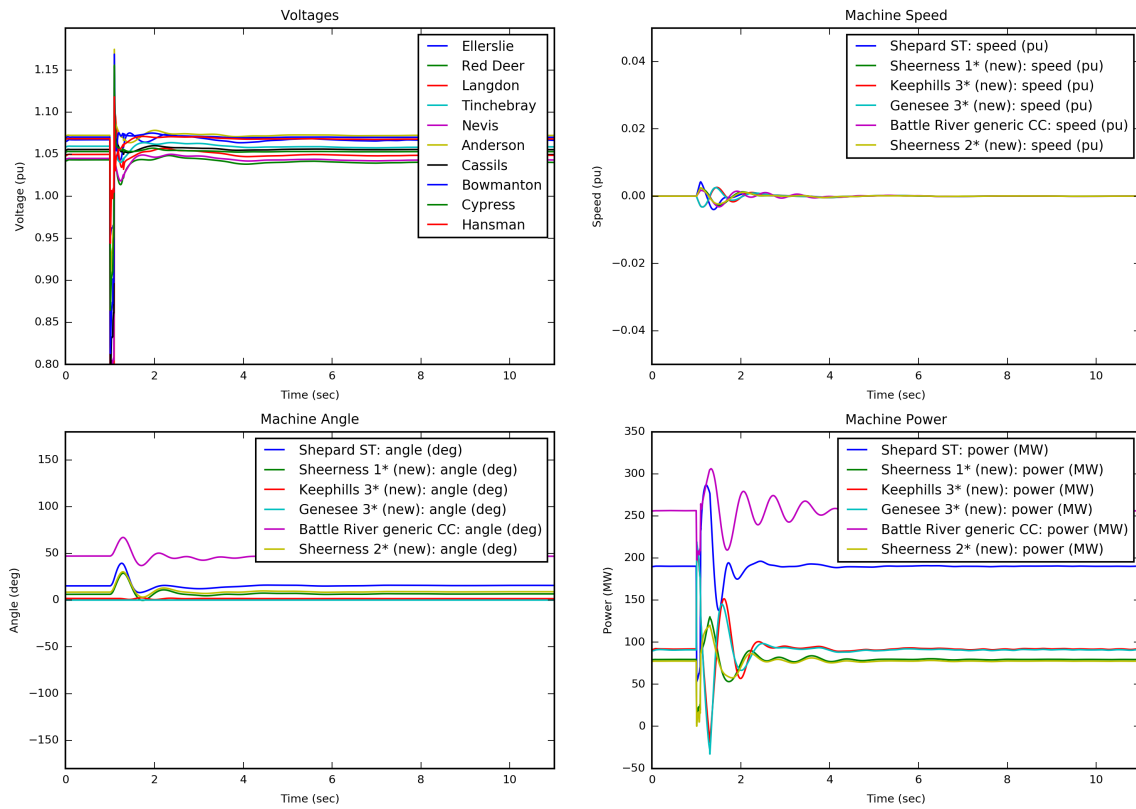
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Janet - Red Deer) near Janet
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 925L (Janet - Red Deer)
- T = 1.0920 s: Fault is cleared

Figure 76



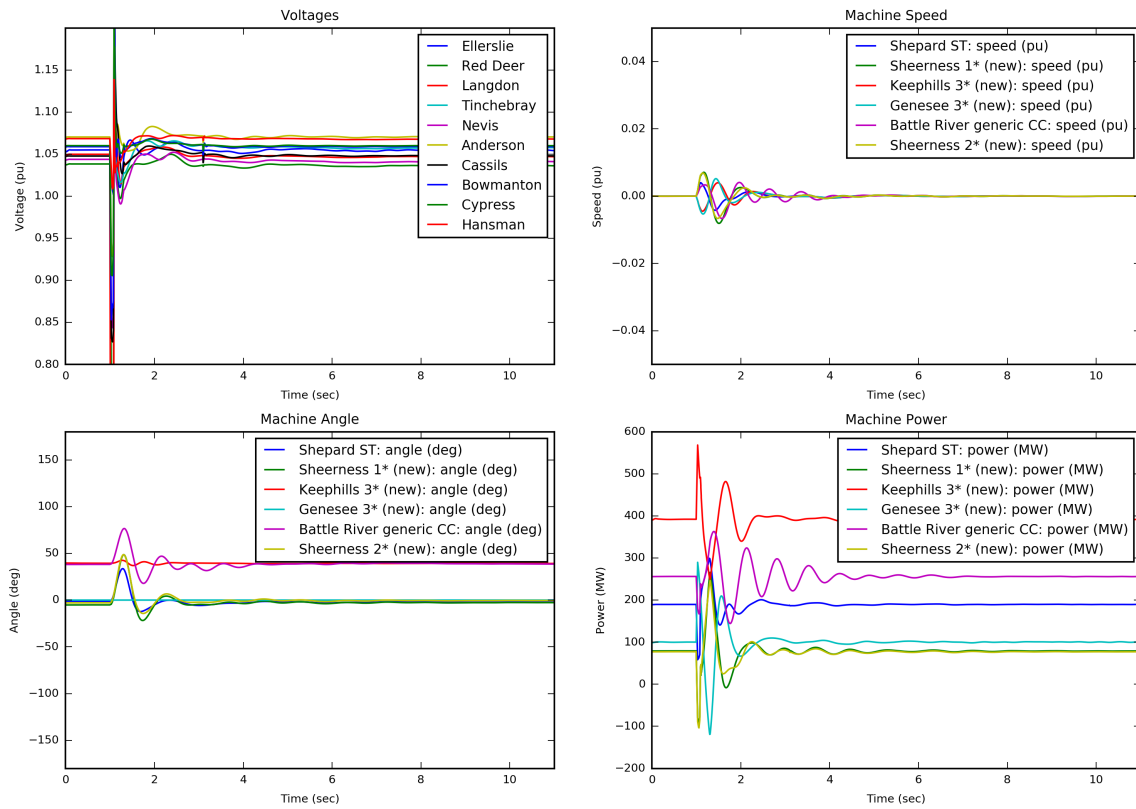
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 925L (Janet - Red Deer) near Janet
- T = 1.0920 s: Tripped 925L (Janet - Red Deer)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 77



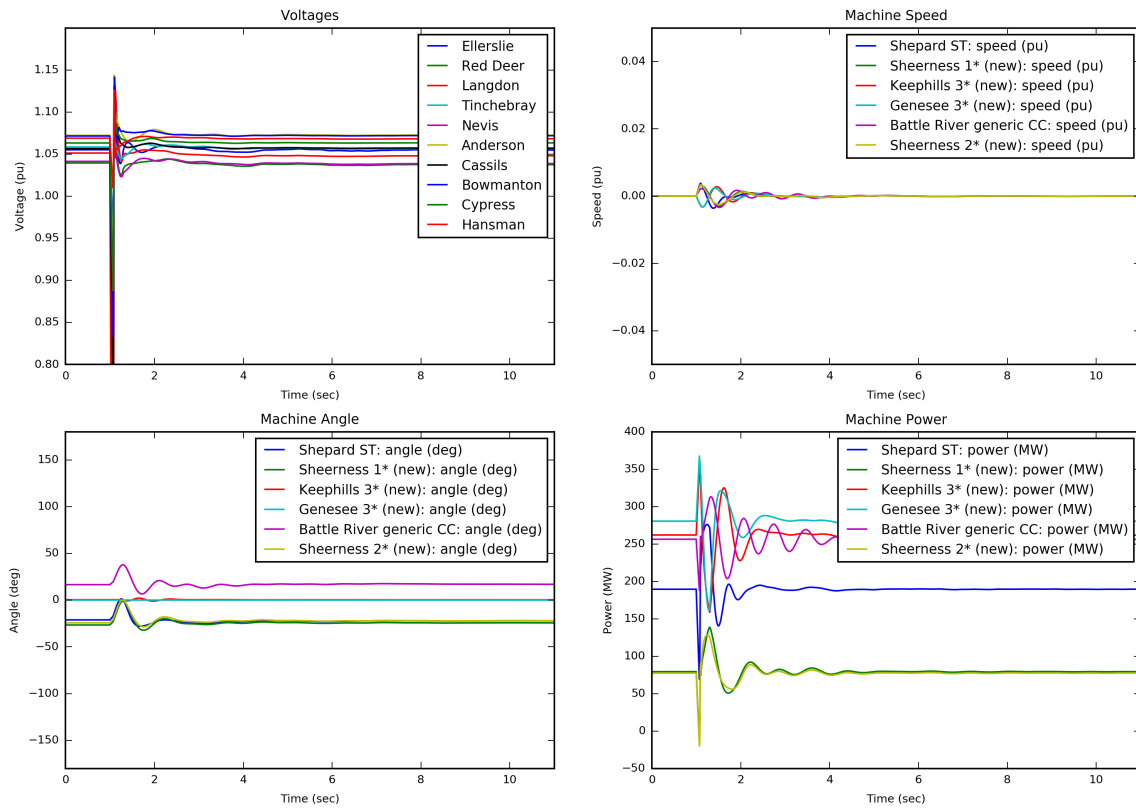
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Langdon - Milo) near Langdon
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Langdon - Milo)
- T = 1.1010 s: Fault is cleared

Figure 78



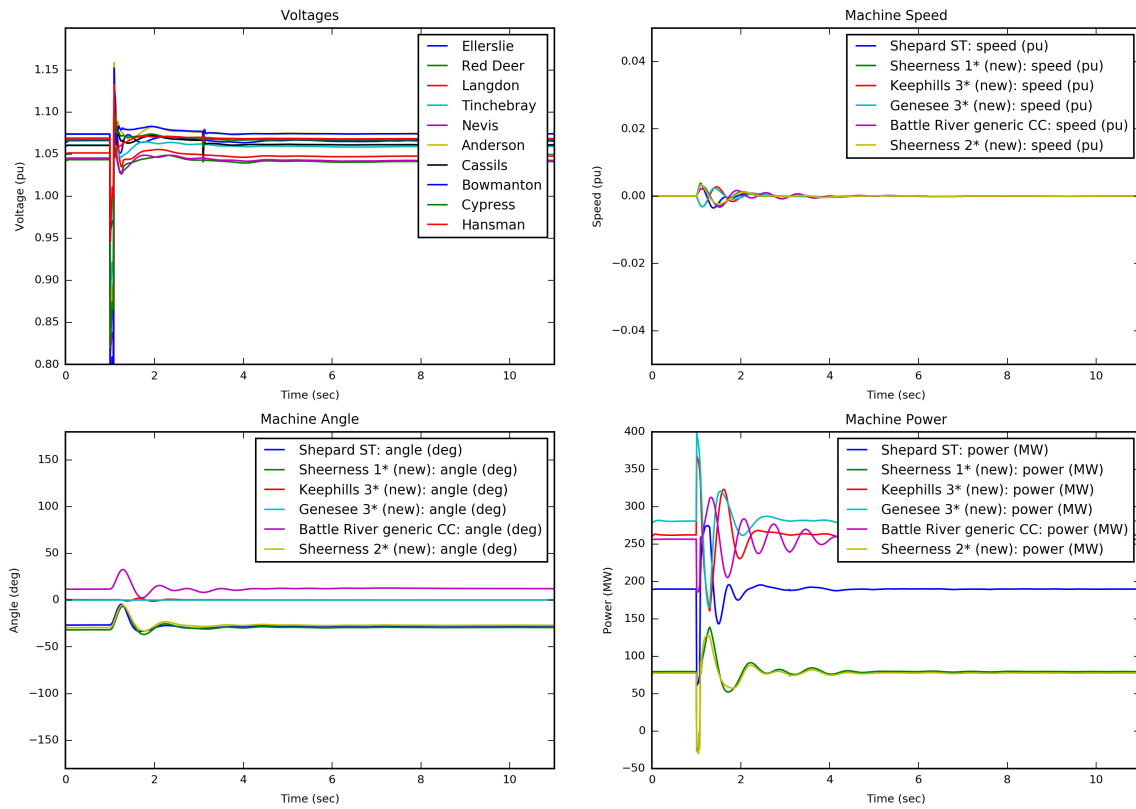
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Langdon - Milo) near Langdon
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Langdon - Milo)
- T = 1.1010 s: Fault is cleared

Figure 79



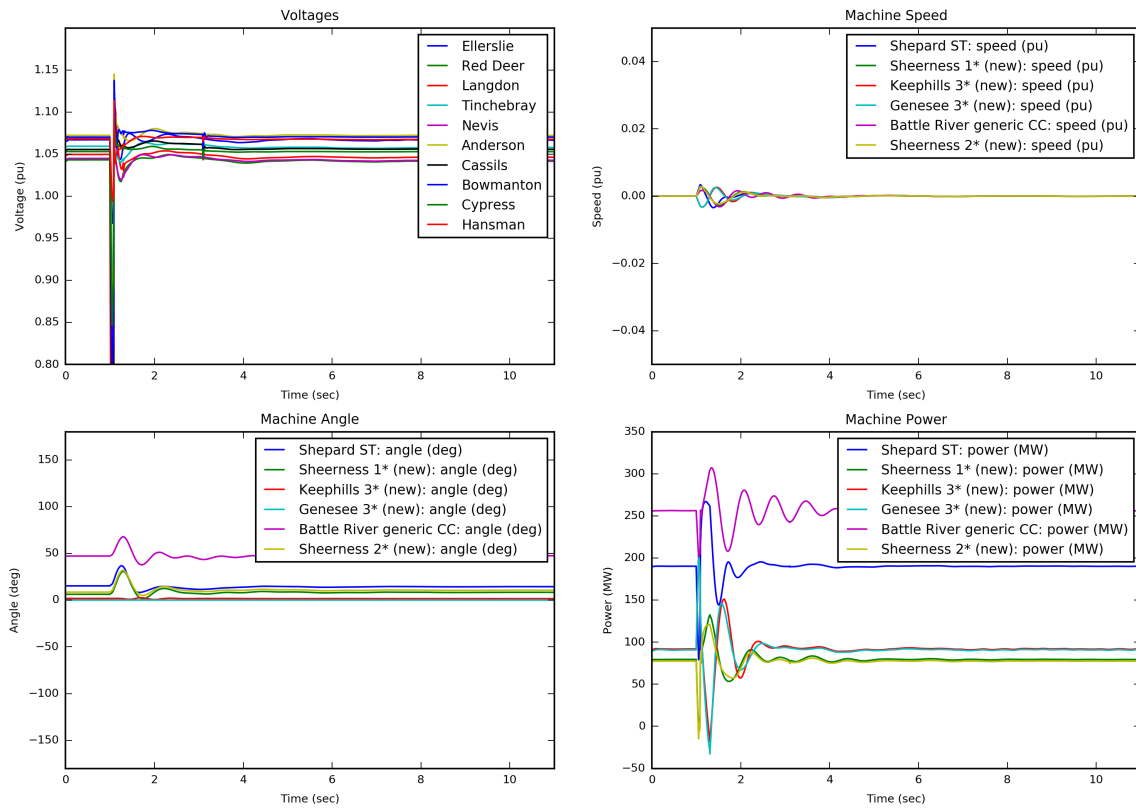
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Langdon - Milo) near Langdon
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Langdon - Milo)
- T = 1.1010 s: Fault is cleared

Figure 80



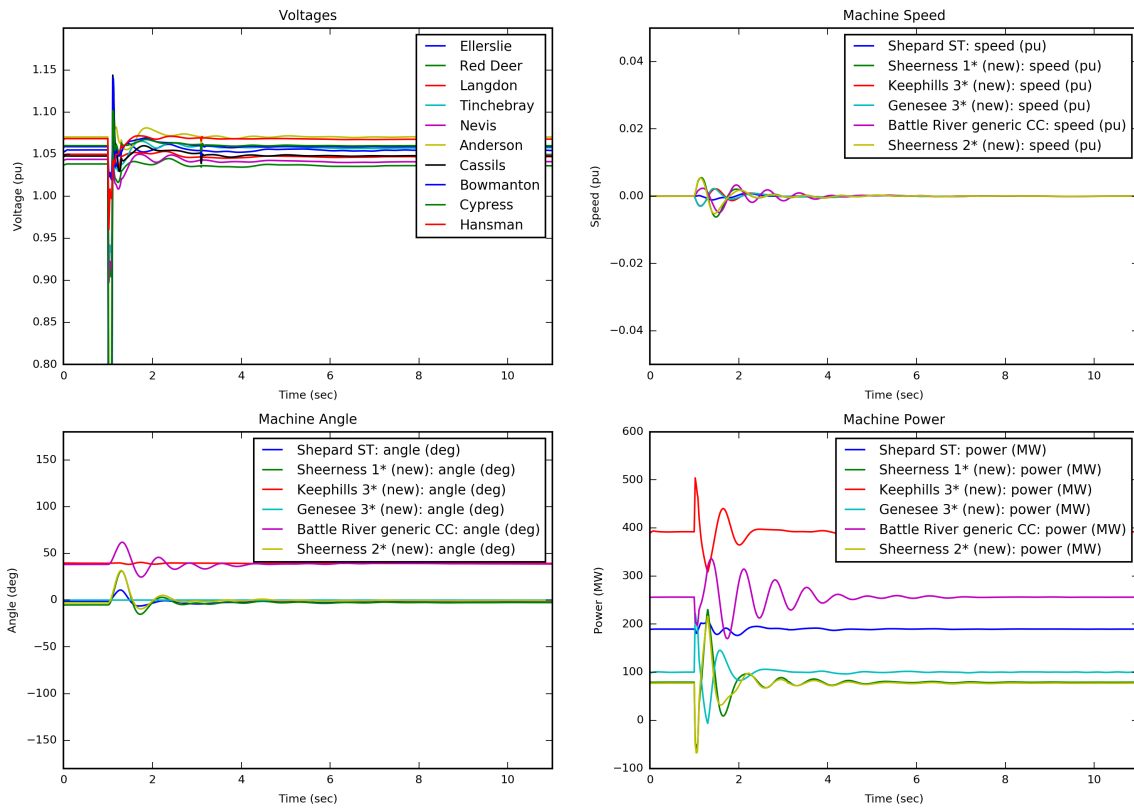
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Langdon - Milo) near Langdon
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Langdon - Milo)
- T = 1.1010 s: Fault is cleared

Figure 81



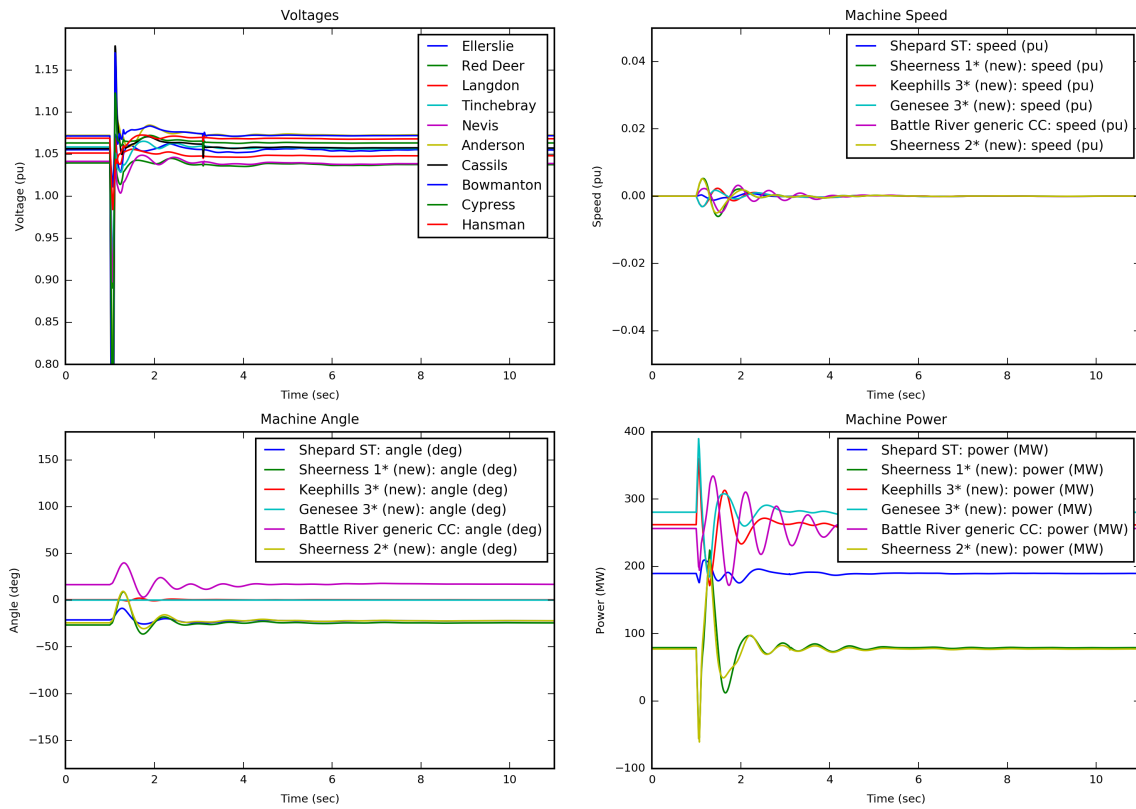
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Milo - Langdon) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Milo - Langdon)
- T = 1.1010 s: Fault is cleared

Figure 82



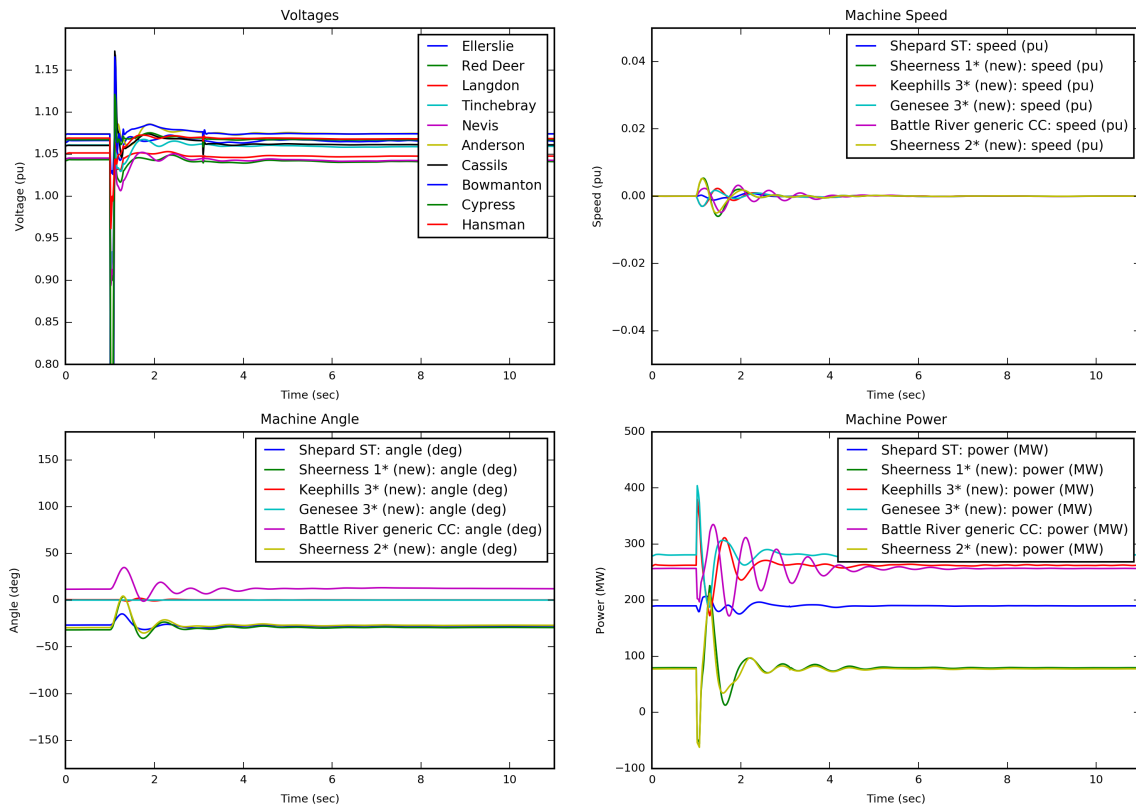
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Milo - Langdon) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Milo - Langdon)
- T = 1.1010 s: Fault is cleared

Figure 83



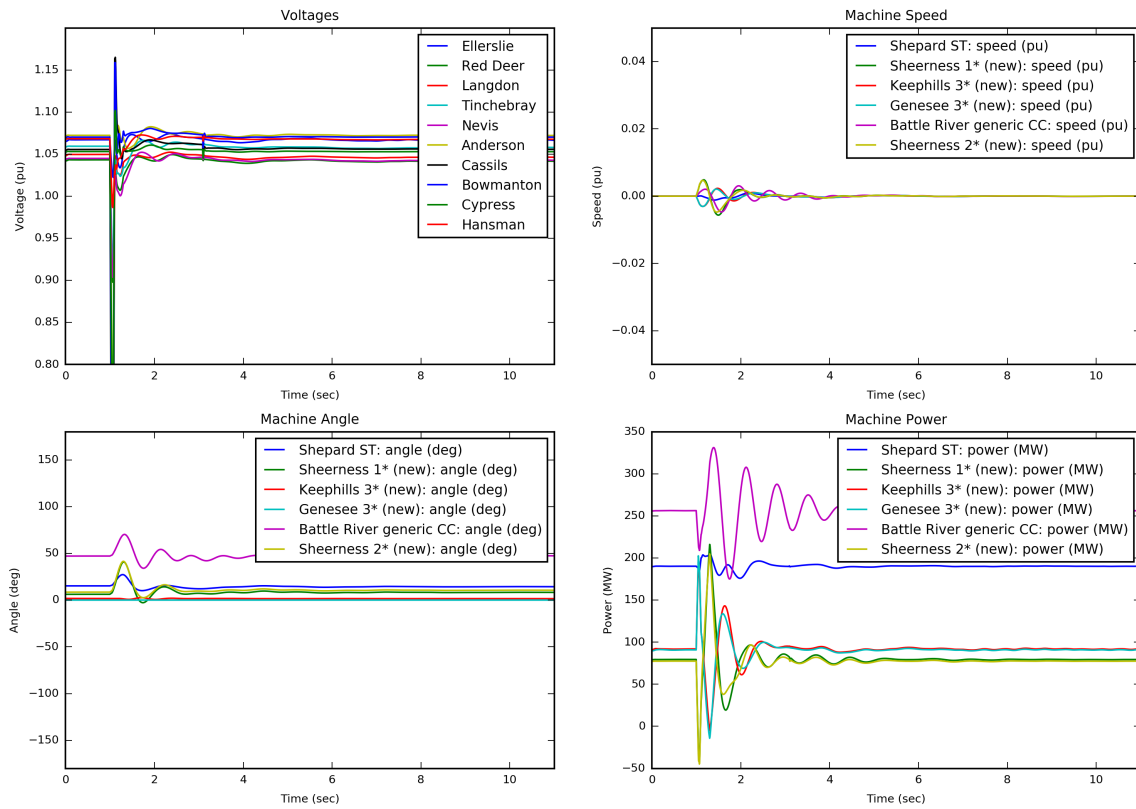
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Milo - Langdon) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Milo - Langdon)
- T = 1.1010 s: Fault is cleared

Figure 84



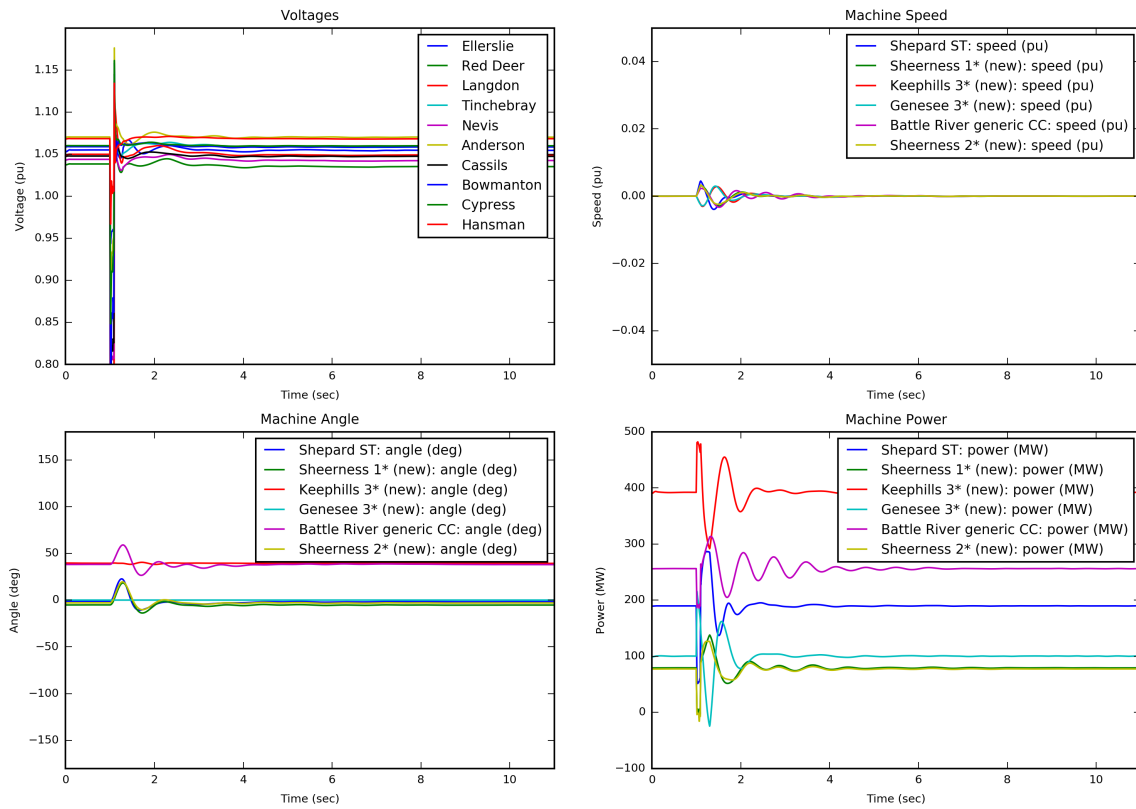
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 927L (Milo - Langdon) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 927L (Milo - Langdon)
- T = 1.1010 s: Fault is cleared

Figure 85



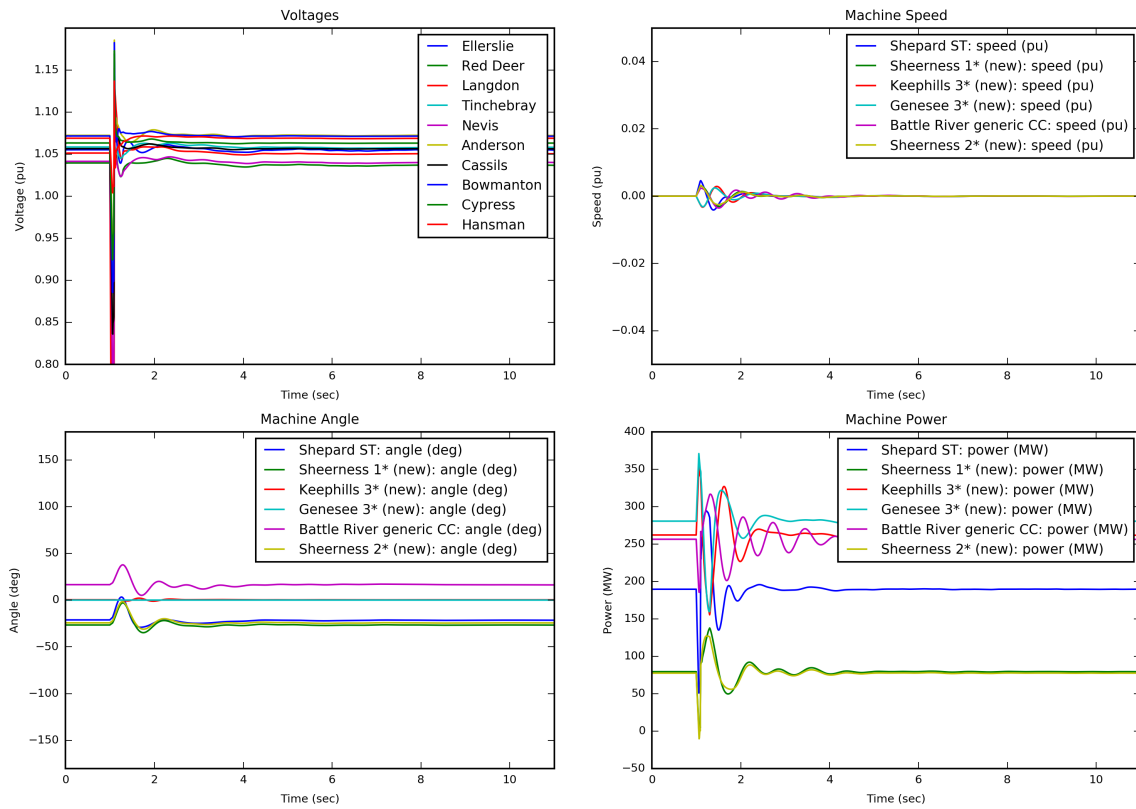
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Janet - Hazelwood) near Janet
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 929L (Janet - Hazelwood)
- T = 1.0920 s: Fault is cleared

Figure 86



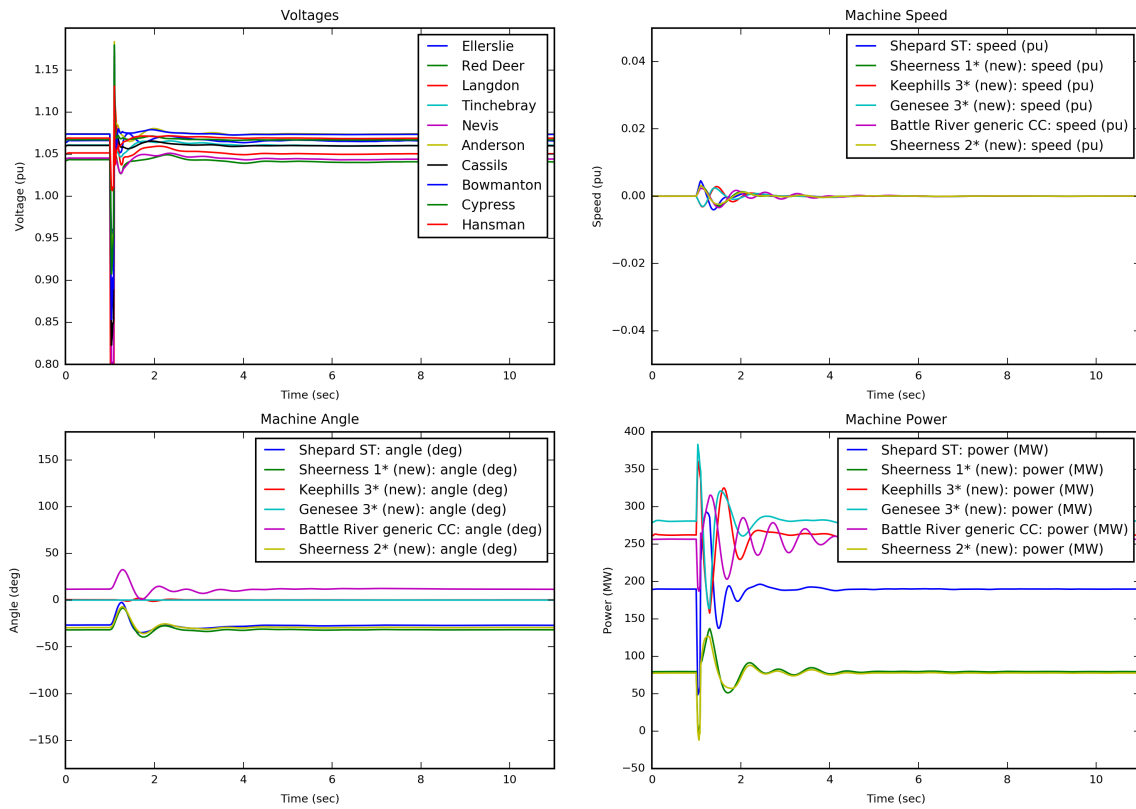
Case Description

— Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Janet - Hazelwood) near Janet
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 929L (Janet - Hazelwood)
- T = 1.0920 s: Fault is cleared

Figure 87



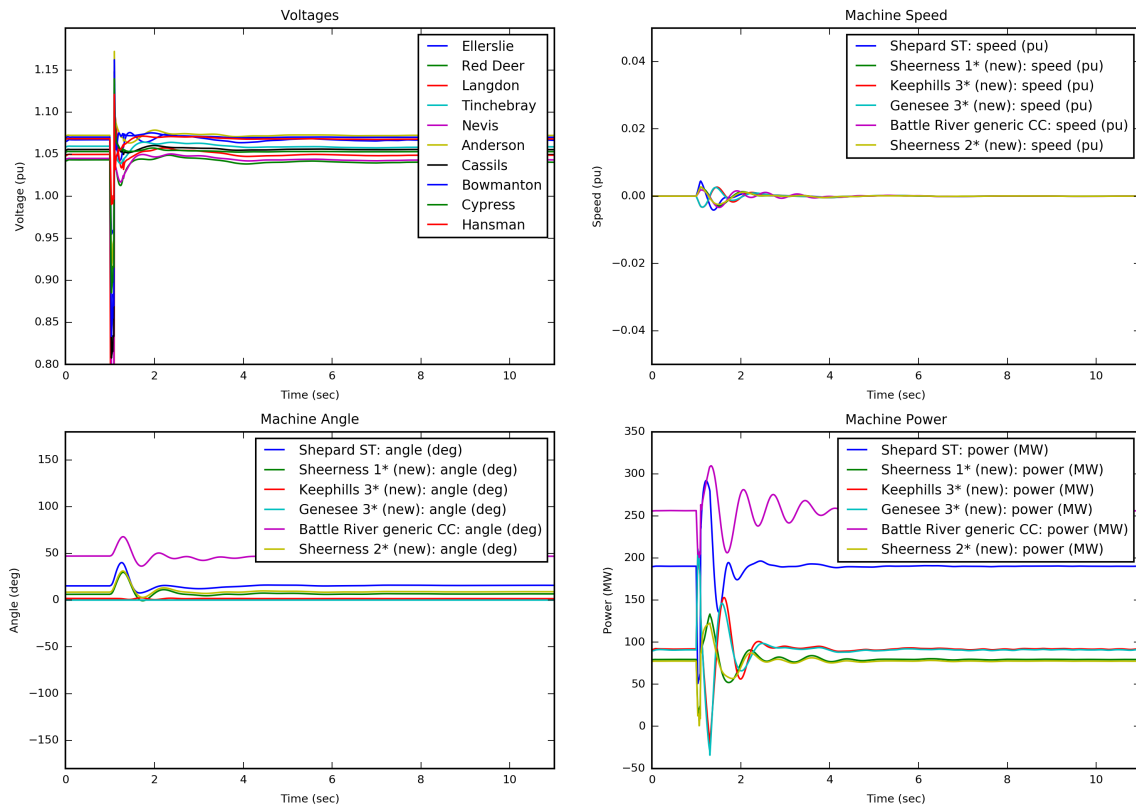
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Janet - Hazelwood) near Janet
- T = 1.0920 s: Tripped 929L (Janet - Hazelwood)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 88



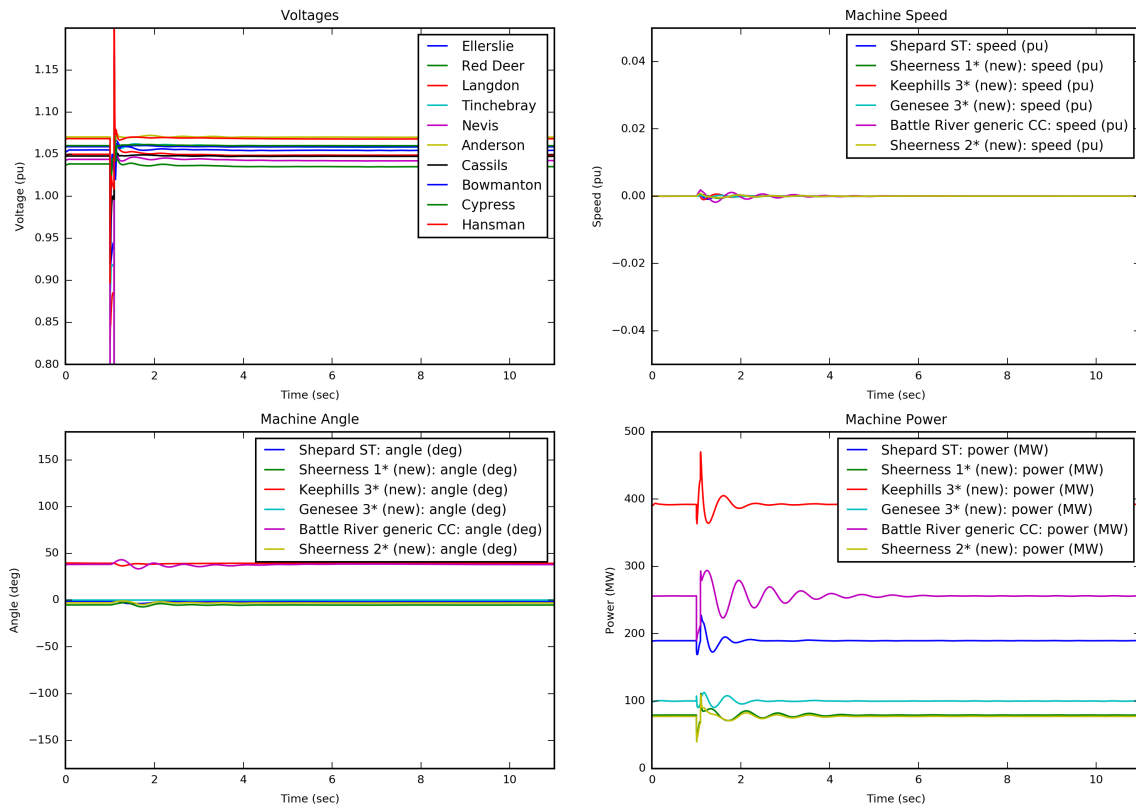
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Janet - Hazelwood) near Janet
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 929L (Janet - Hazelwood)
- T = 1.0920 s: Fault is cleared

Figure 89



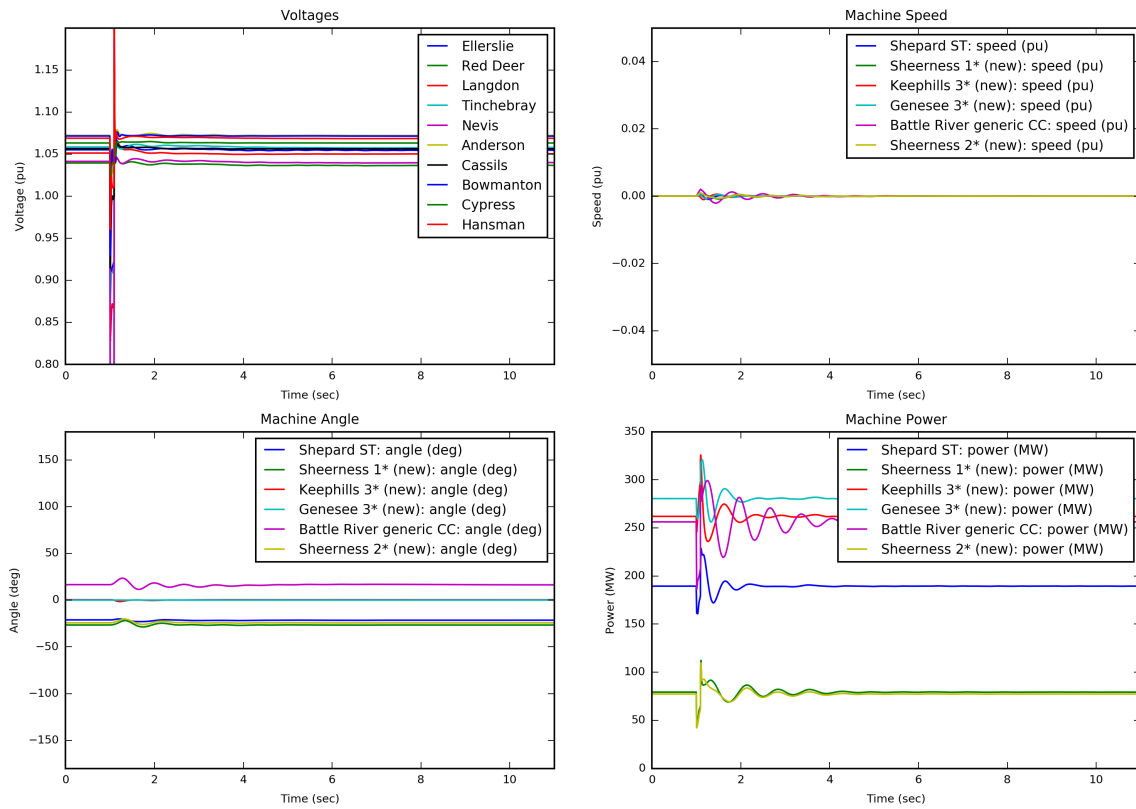
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Hazelwood - Janet) near Hazelwood
- T = 1.0920 s: Opened both breakers
- T = 1.0920 s: Tripped 929L (Hazelwood - Janet)
- T = 1.0920 s: Fault is cleared

Figure 90



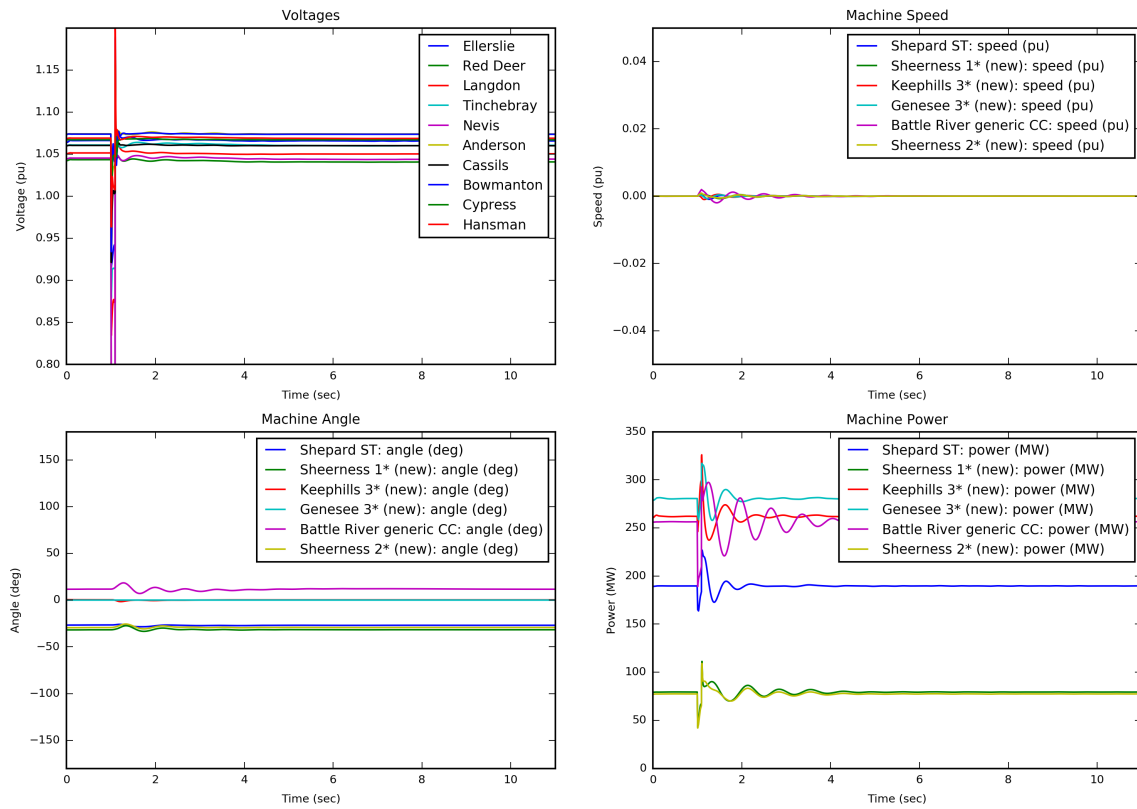
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Hazelwood - Janet) near Hazelwood
- T = 1.0920 s: Tripped 929L (Hazelwood - Janet)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 91



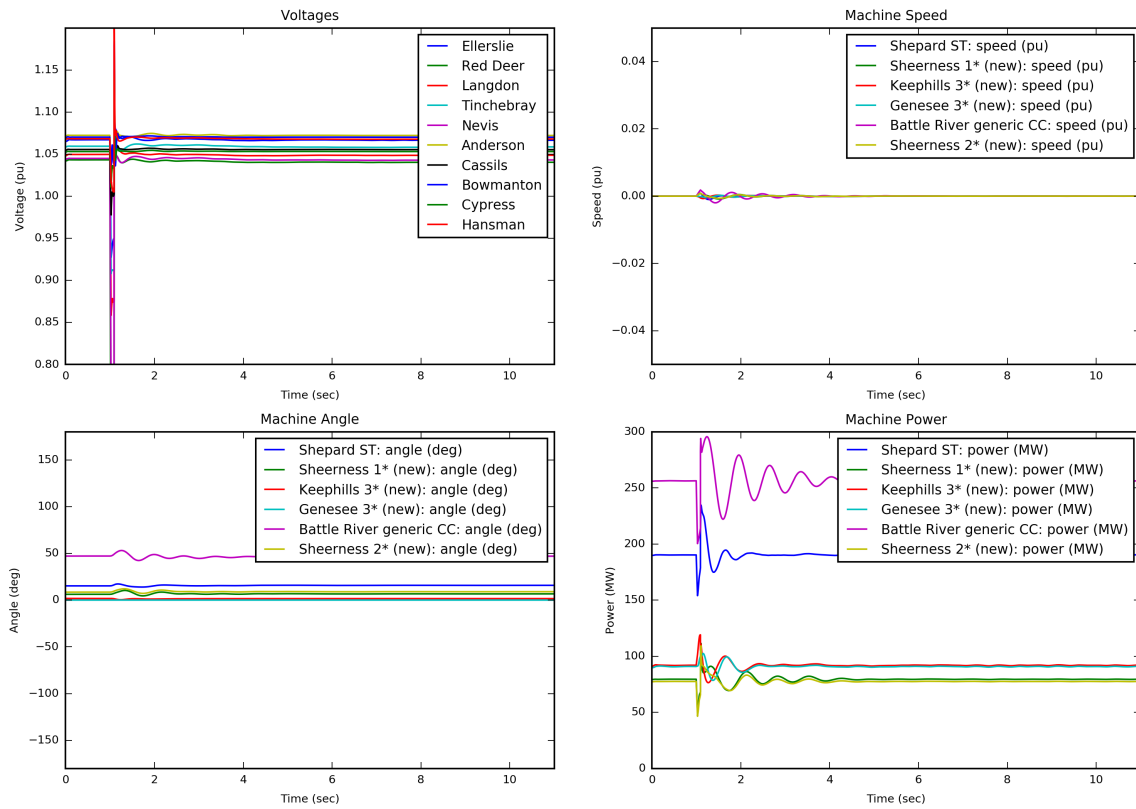
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Hazelwood - Janet) near Hazelwood
- T = 1.0920 s: Tripped 929L (Hazelwood - Janet)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 92



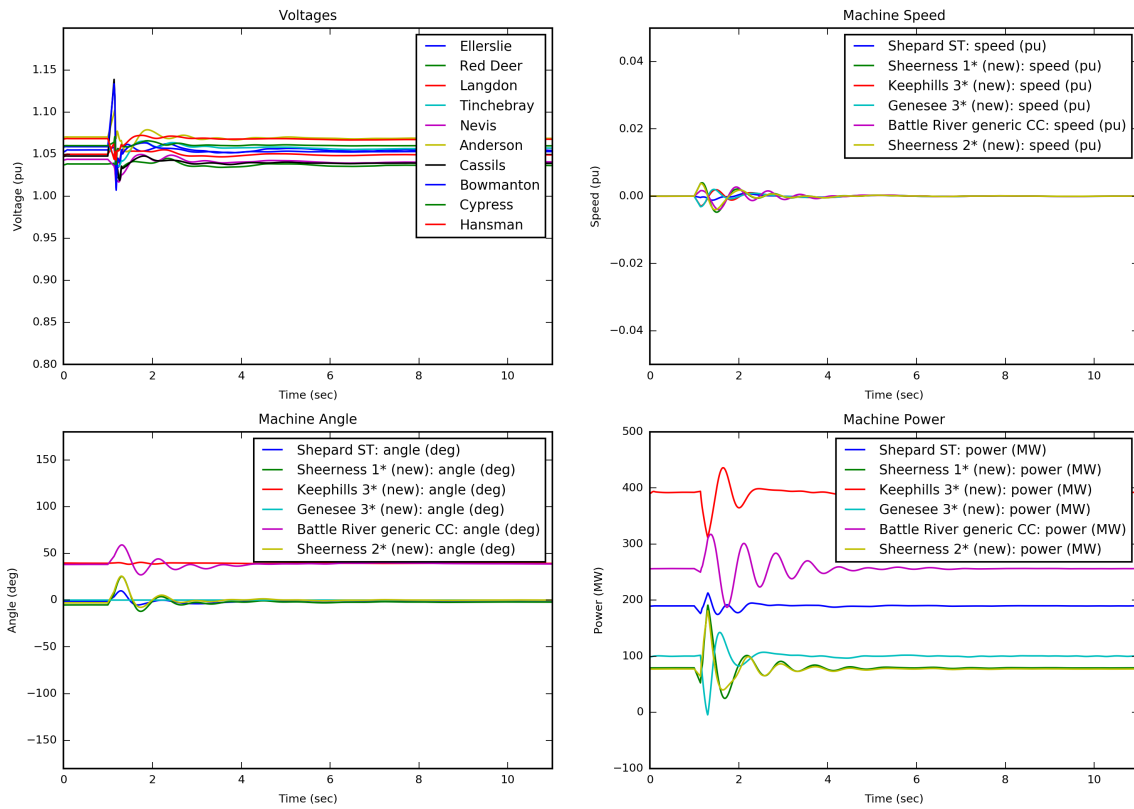
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 929L (Hazelwood - Janet) near Hazelwood
- T = 1.0920 s: Tripped 929L (Hazelwood - Janet)
- T = 1.0920 s: Fault is cleared
- T = 1.0920 s: Opened both breakers

Figure 93



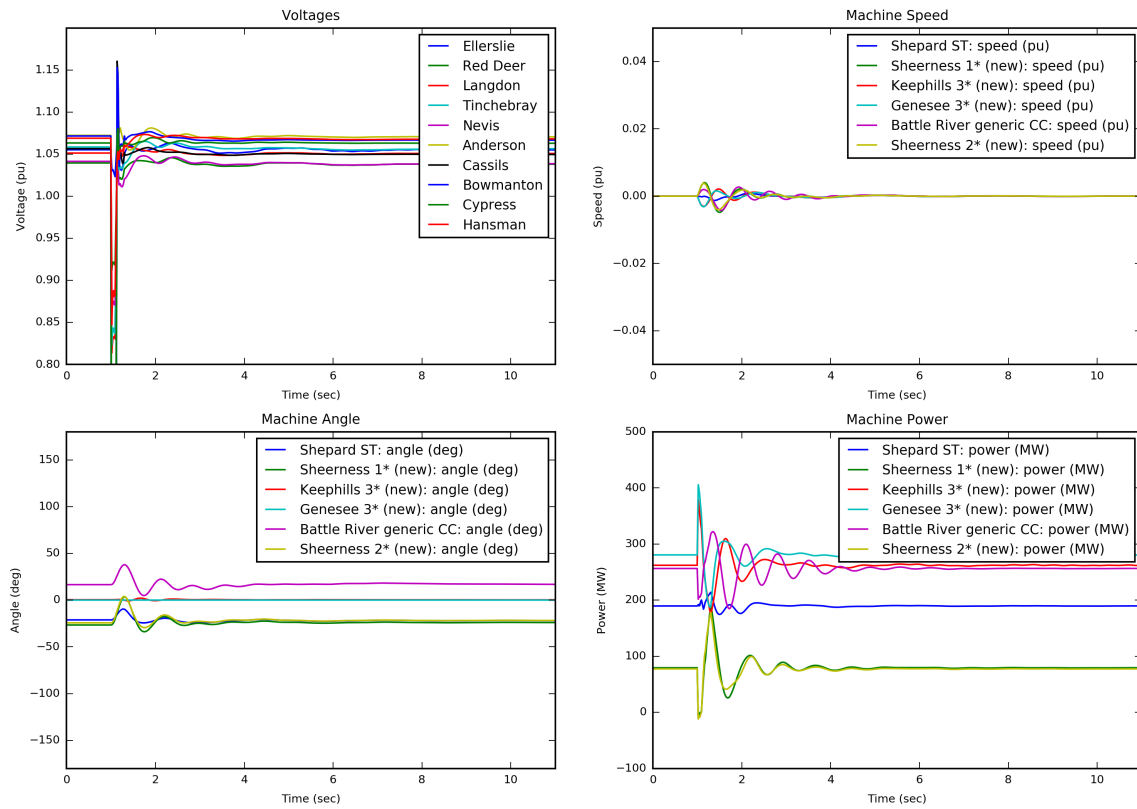
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at West Brooks
- T = 1.1010 s: Tripped 931L
- T = 1.1010 s: Tripped 1075L
- T = 1.1010 s: Fault is cleared

Figure 94



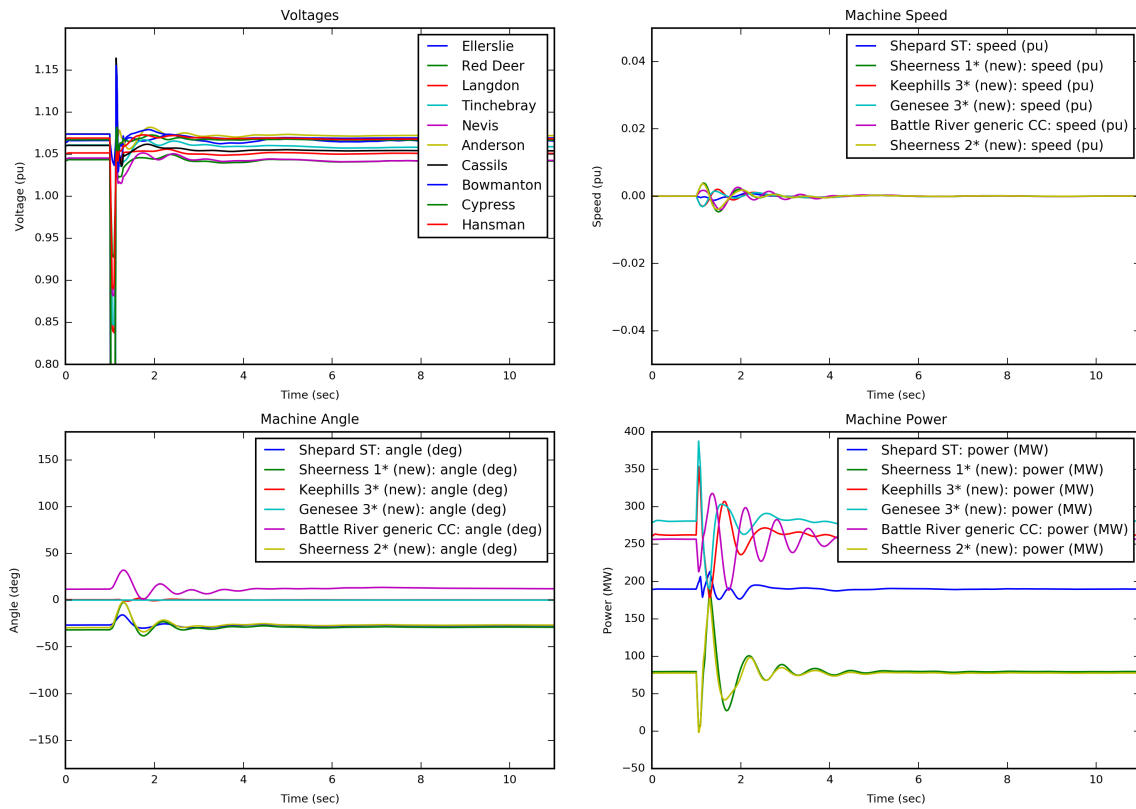
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at West Brooks
- T = 1.1010 s: Tripped 931L
- T = 1.1010 s: Tripped 1075L
- T = 1.1010 s: Fault is cleared

Figure 95



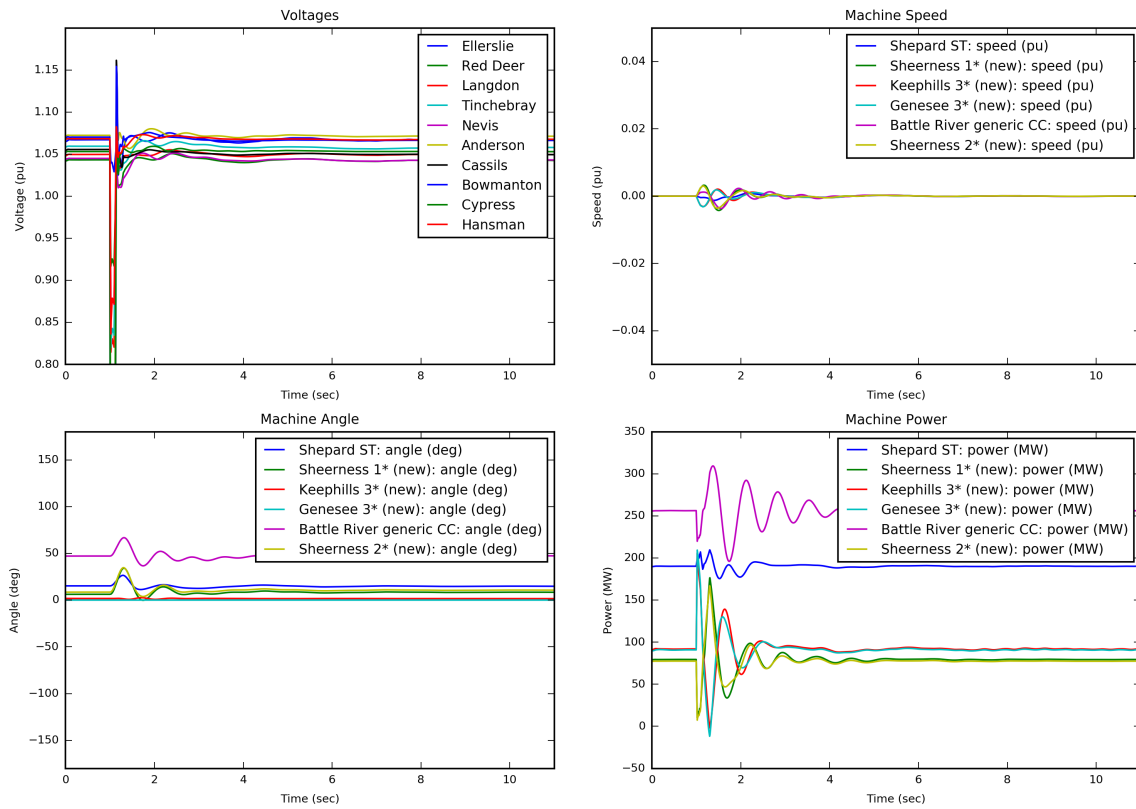
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at West Brooks
- T = 1.1010 s: Tripped 931L
- T = 1.1010 s: Tripped 1075L
- T = 1.1010 s: Fault is cleared

Figure 96



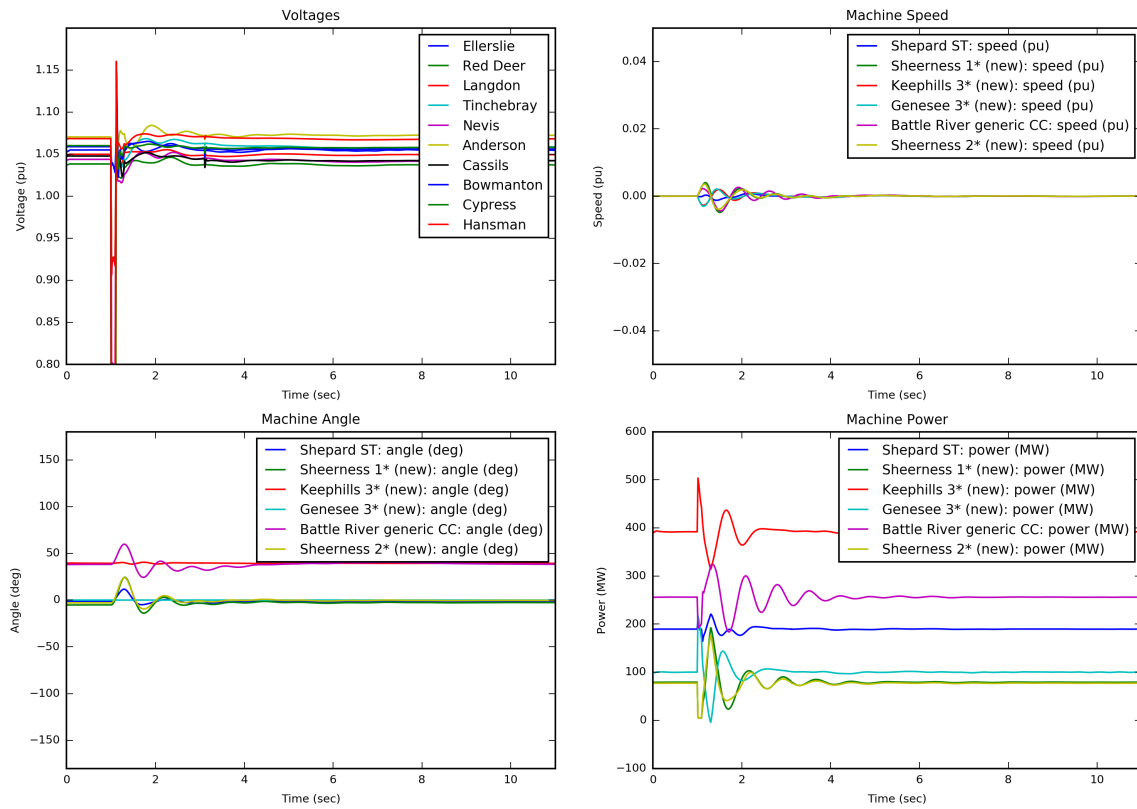
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at West Brooks
- T = 1.1010 s: Tripped 931L
- T = 1.1010 s: Tripped 1075L
- T = 1.1010 s: Fault is cleared

Figure 97



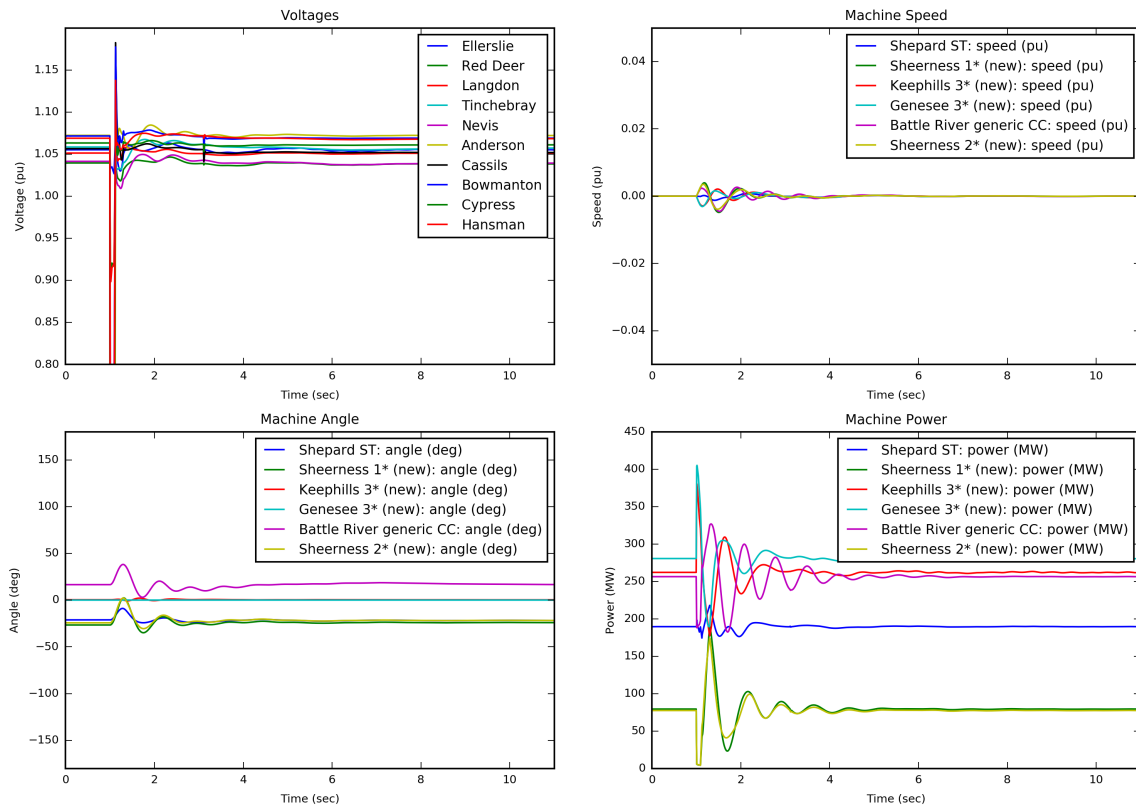
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Anderson
- T = 1.1010 s: Tripped 933L
- T = 1.1010 s: Tripped 934L
- T = 1.1010 s: Fault is cleared

Figure 98



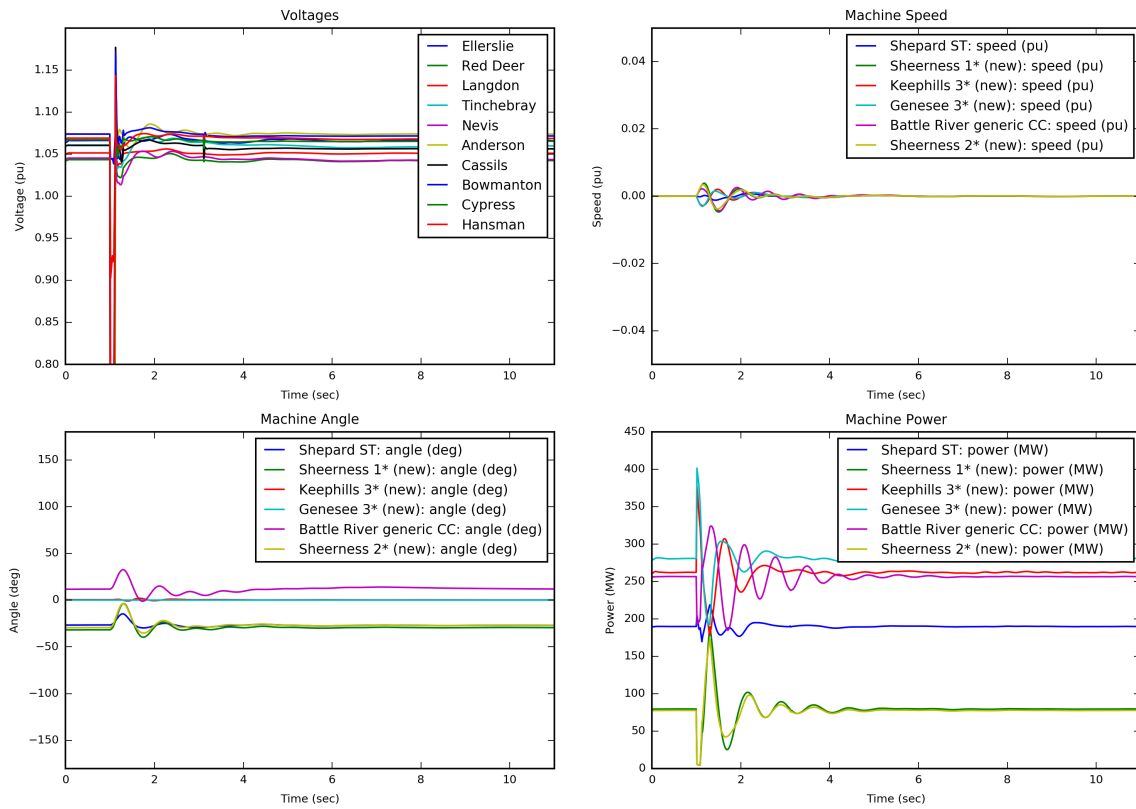
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Anderson
- T = 1.1010 s: Tripped 933L
- T = 1.1010 s: Tripped 934L
- T = 1.1010 s: Fault is cleared

Figure 99



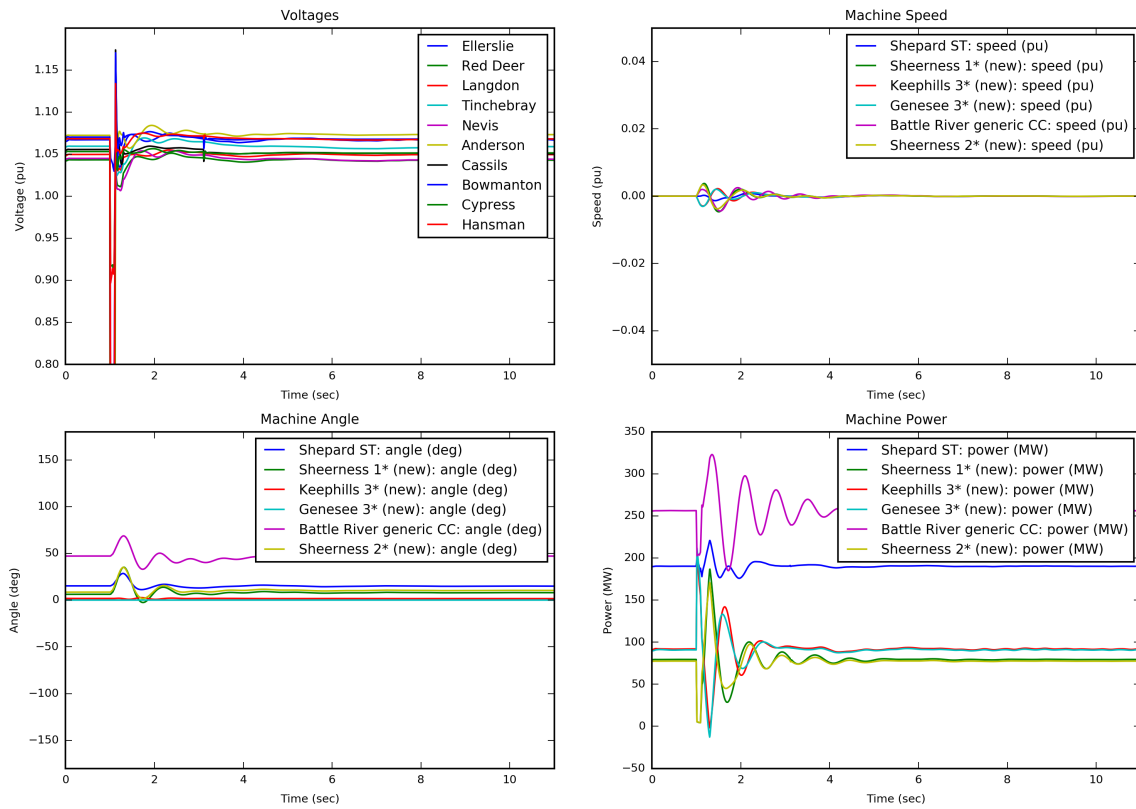
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Anderson
- T = 1.1010 s: Tripped 933L
- T = 1.1010 s: Tripped 934L
- T = 1.1010 s: Fault is cleared

Figure 100



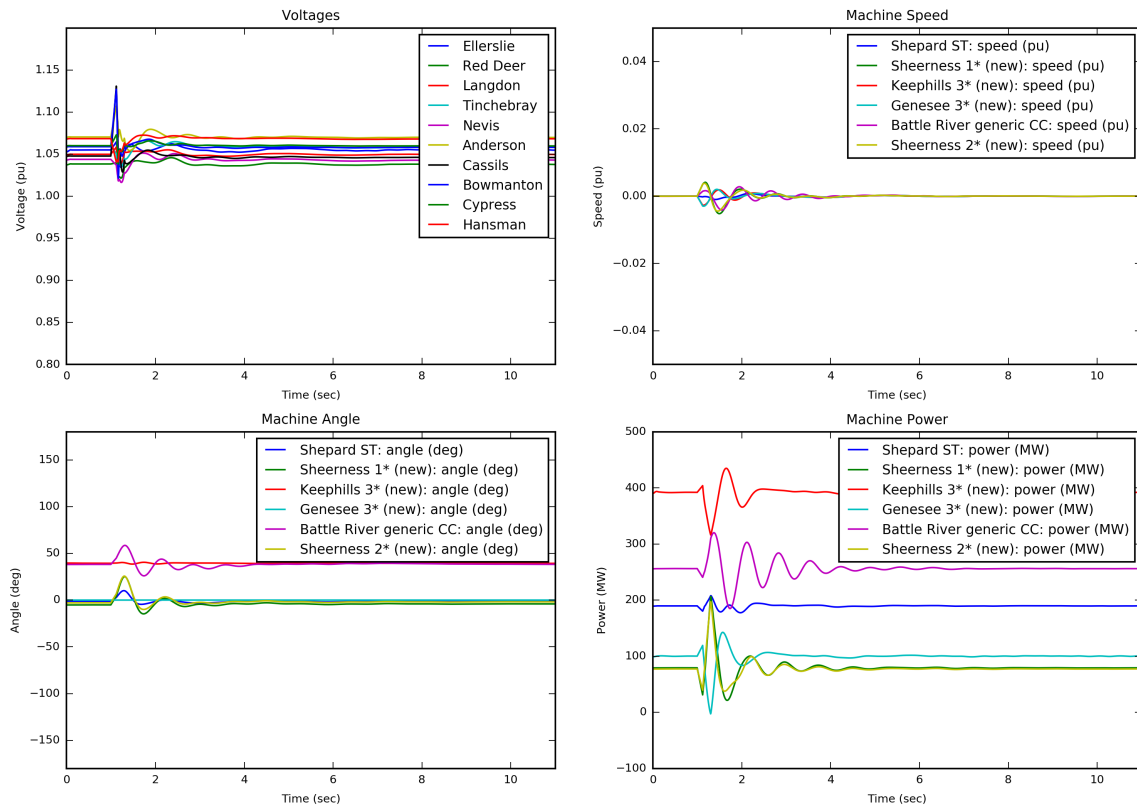
Case Description

— Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Anderson
- T = 1.1010 s: Tripped 933L
- T = 1.1010 s: Tripped 934L
- T = 1.1010 s: Fault is cleared

Figure 101



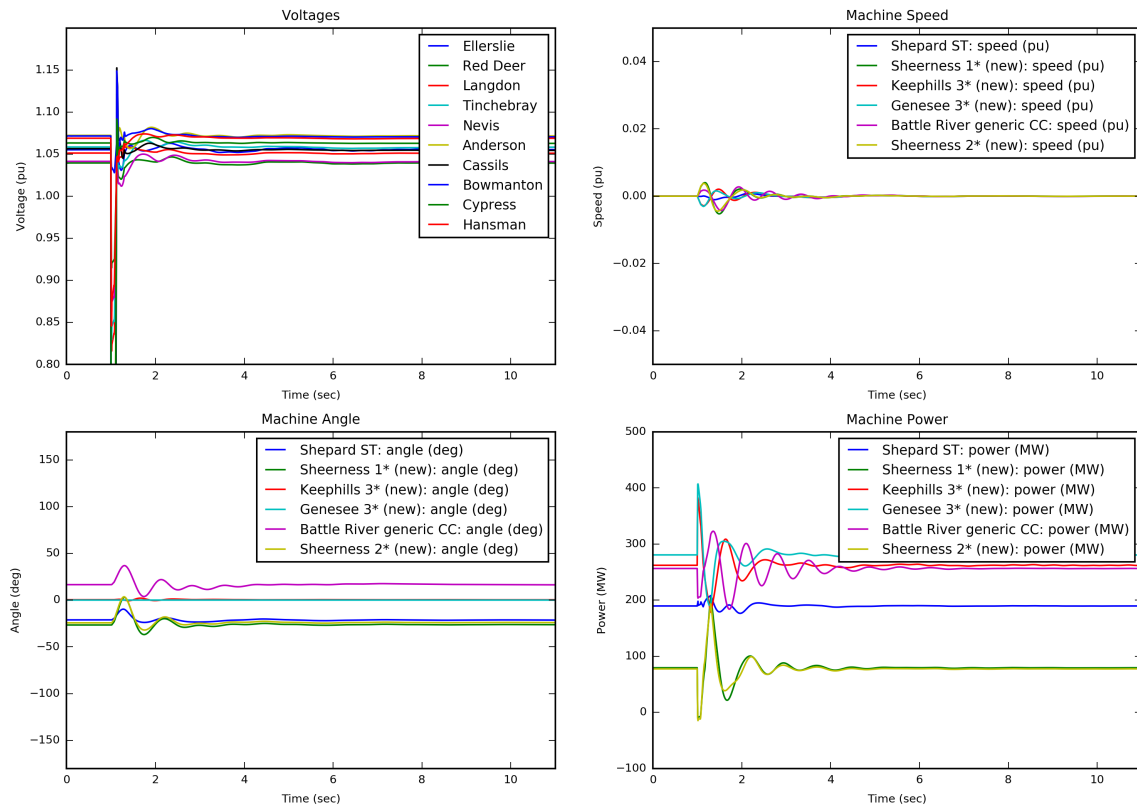
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Cassils - Milo) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Cassils - Milo)
- T = 1.1010 s: Fault is cleared

Figure 102



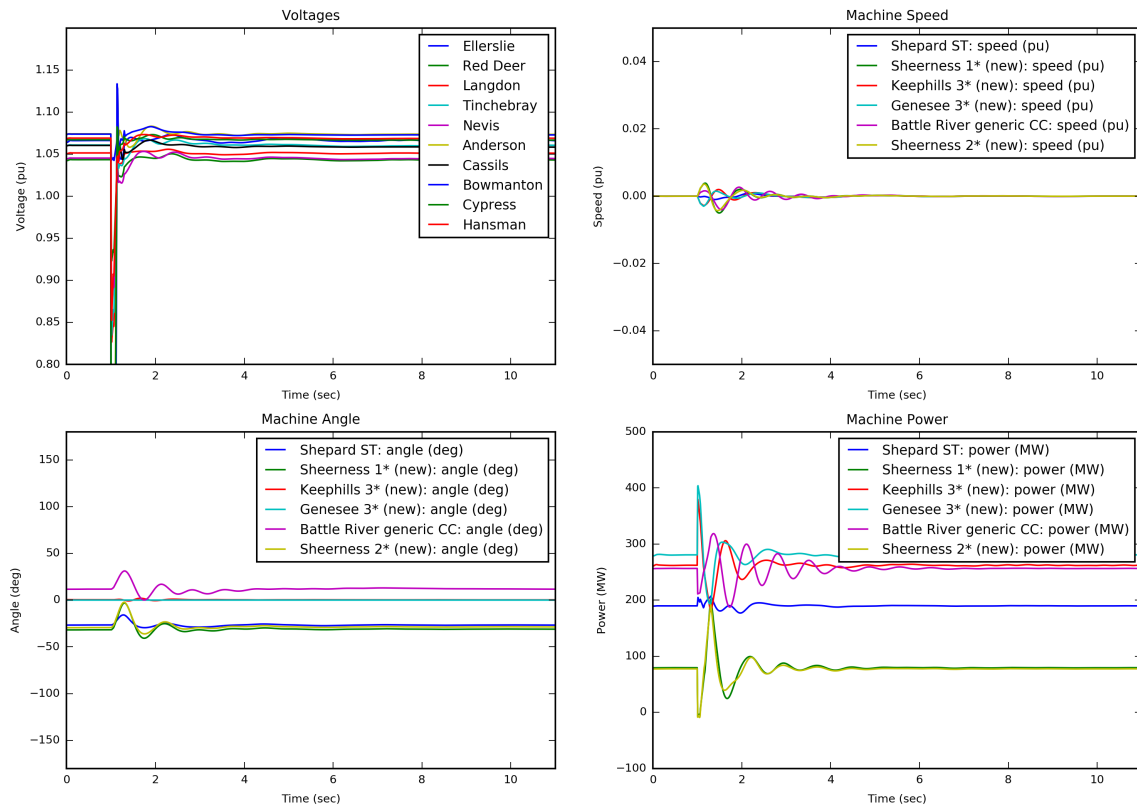
Case Description

— Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Cassils - Milo) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Cassils - Milo)
- T = 1.1010 s: Fault is cleared

Figure 103



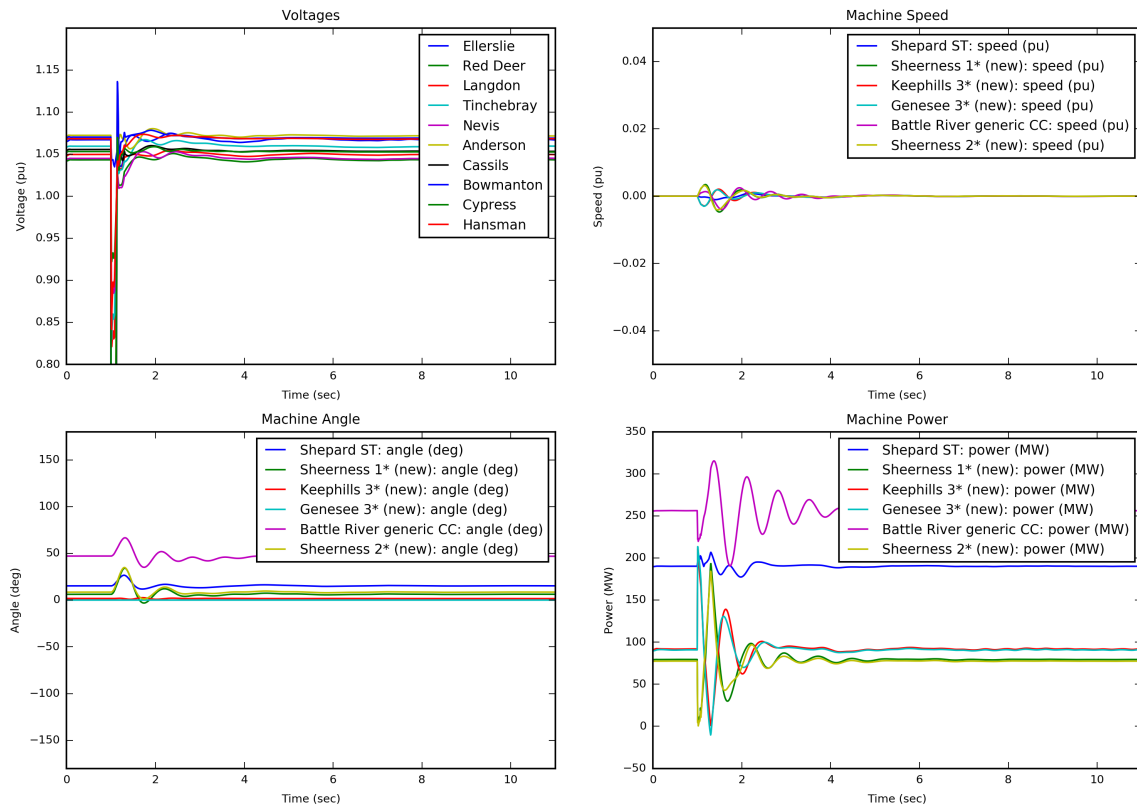
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Cassils - Milo) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Cassils - Milo)
- T = 1.1010 s: Fault is cleared

Figure 104



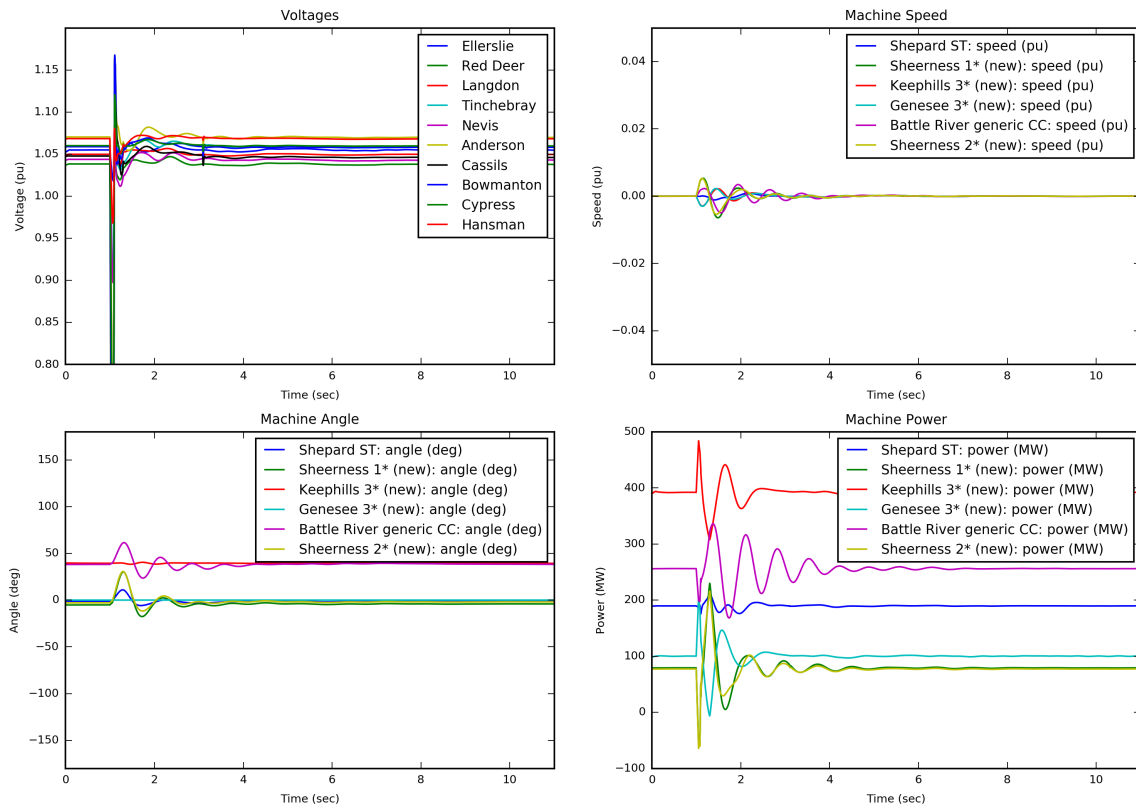
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Cassils - Milo) near Cassils
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Cassils - Milo)
- T = 1.1010 s: Fault is cleared

Figure 105



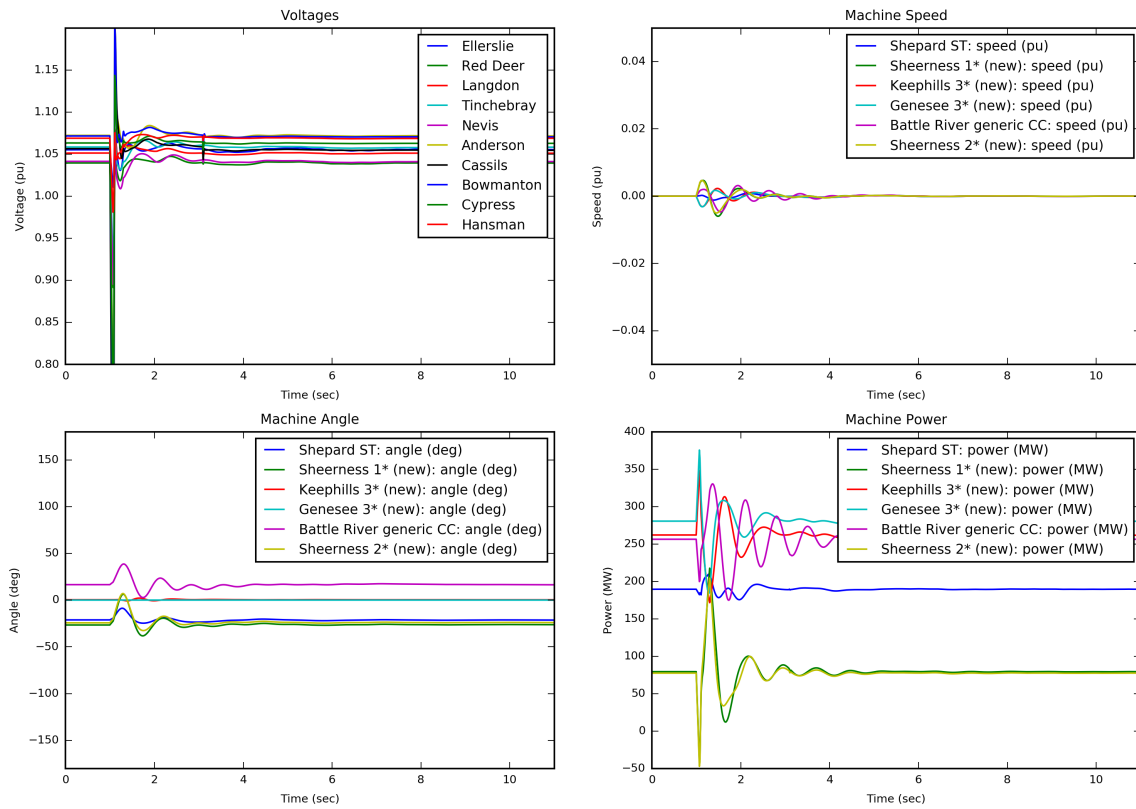
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Milo - Cassils) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Milo - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 106



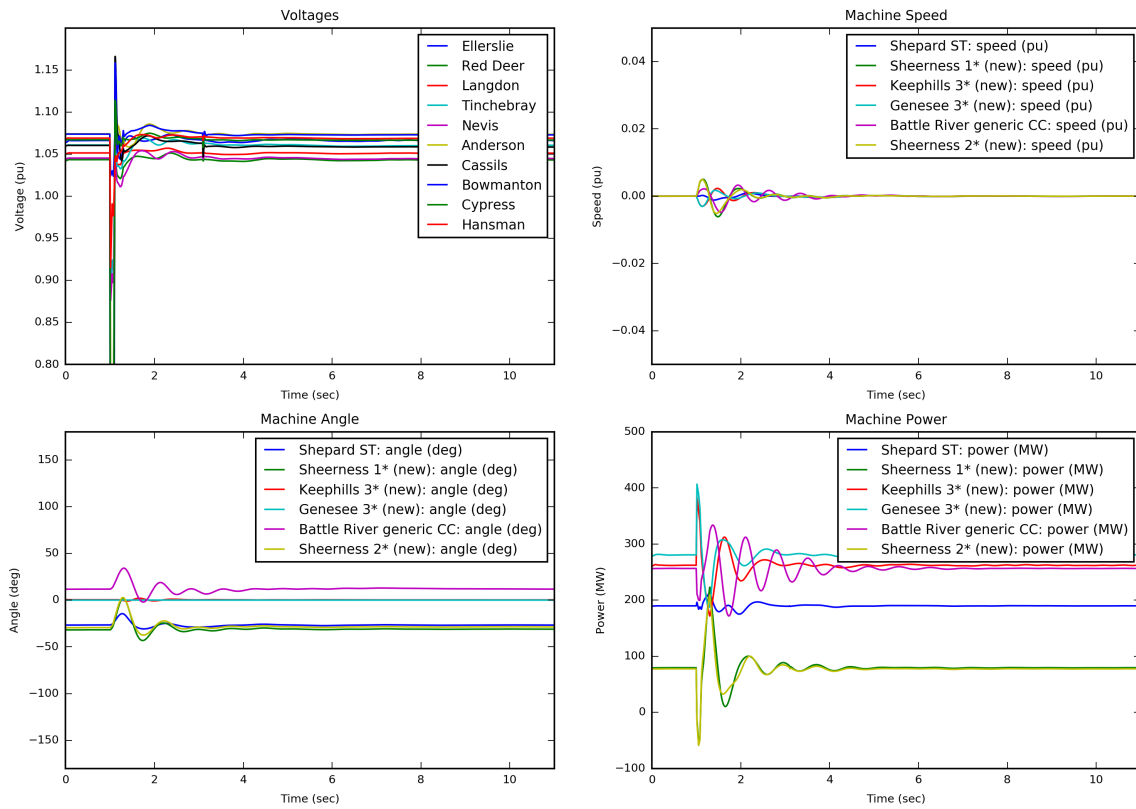
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Milo - Cassils) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Milo - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 107



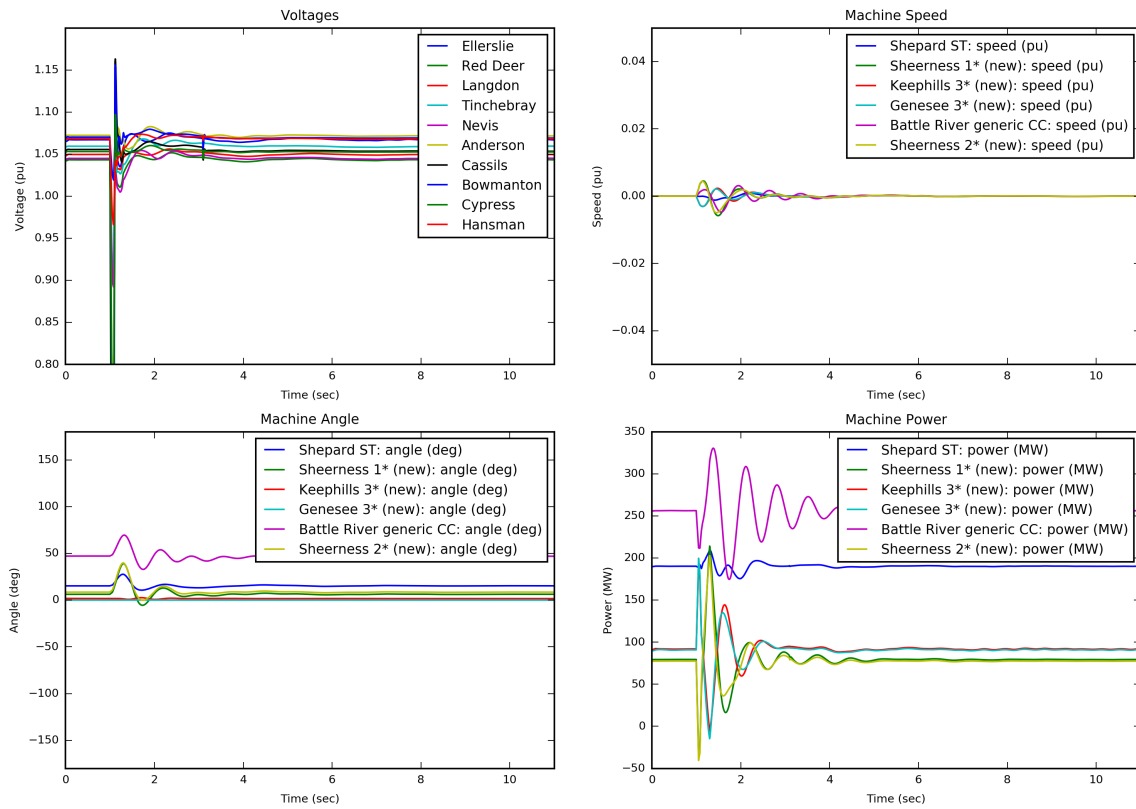
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Milo - Cassils) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Milo - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 108



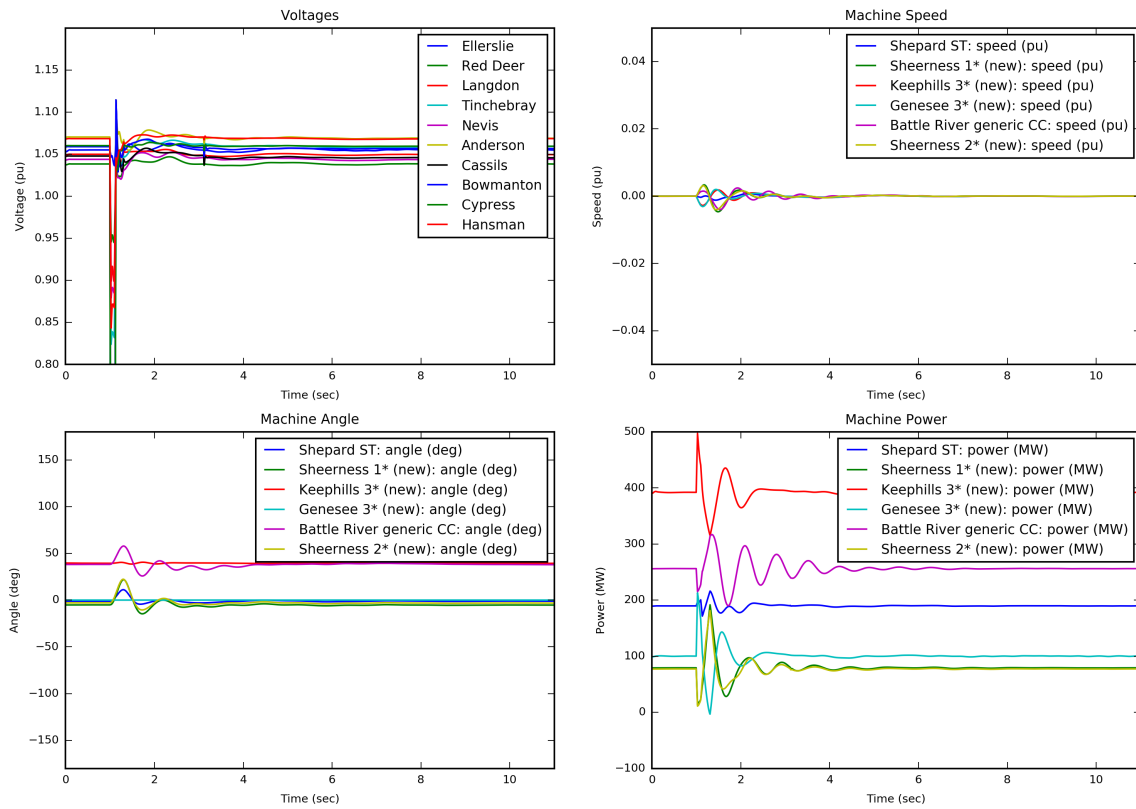
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 935L (Milo - Cassils) near Milo
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 935L (Milo - Cassils)
- T = 1.1010 s: Fault is cleared

Figure 109



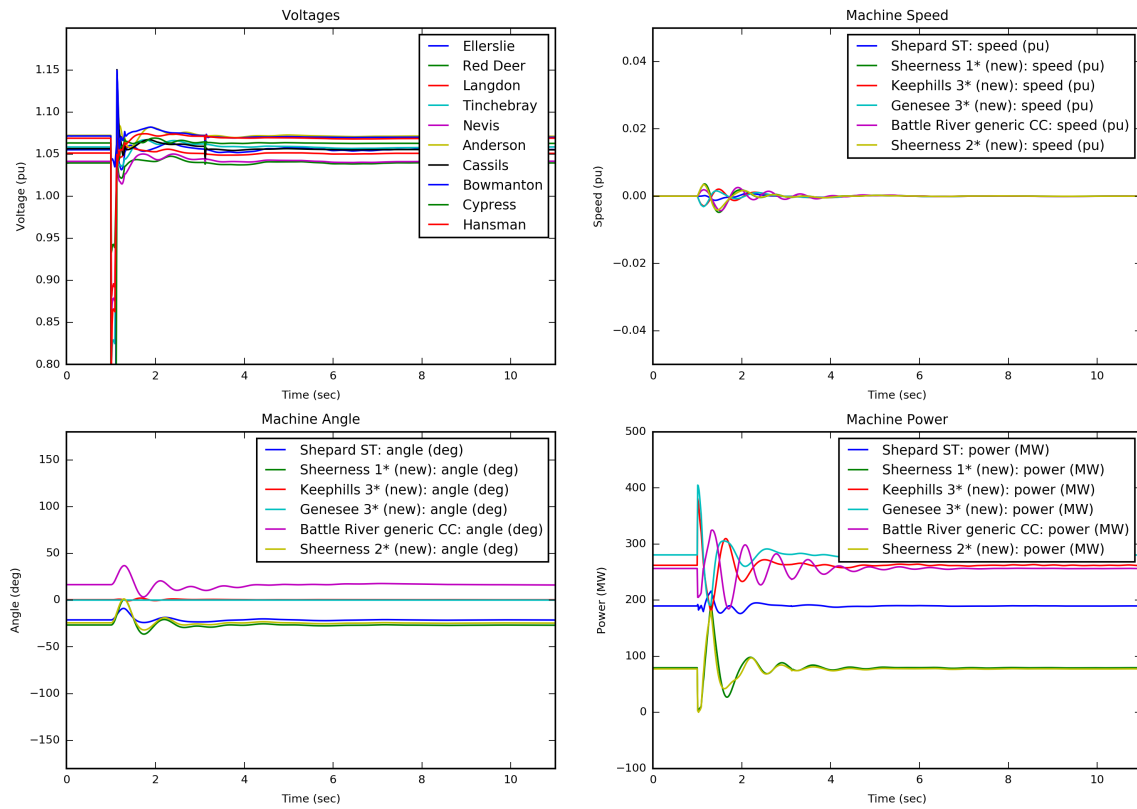
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Ware Jct. - Jenner) near Ware Jct.
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Ware Jct. - Jenner)
- T = 1.1220 s: Fault is cleared

Figure 110



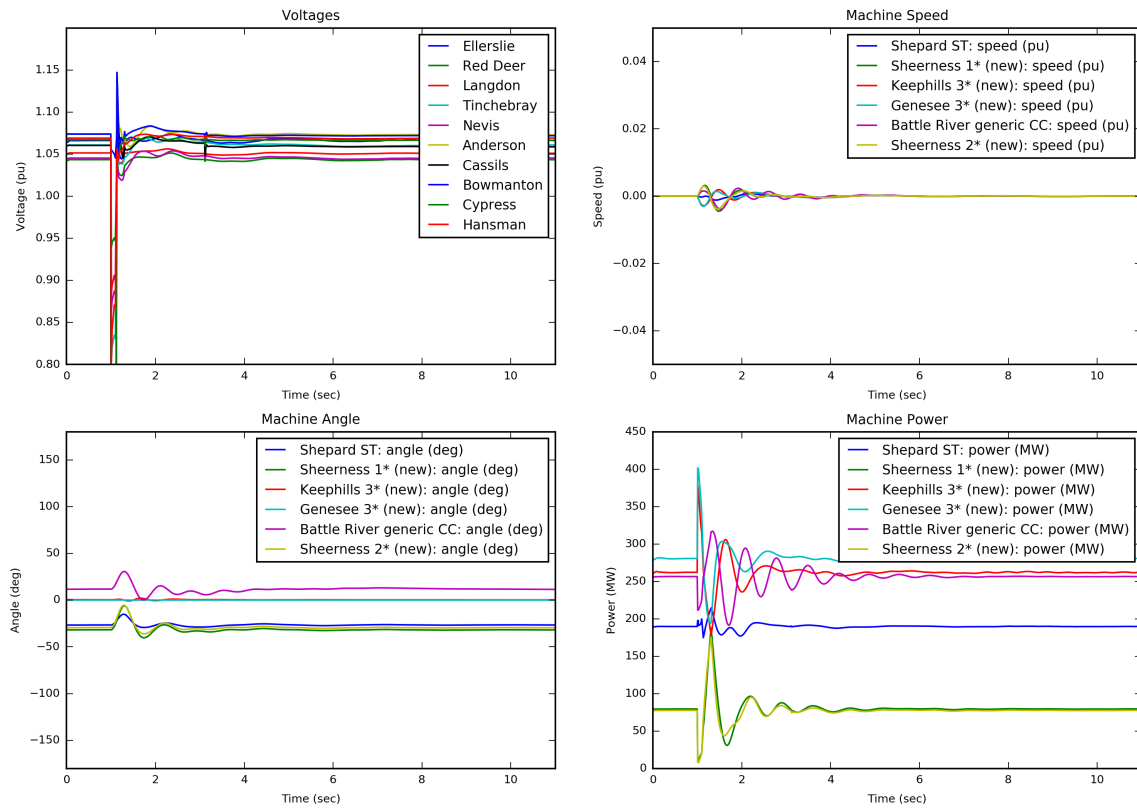
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Ware Jct. - Jenner) near Ware Jct.
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Ware Jct. - Jenner)
- T = 1.1220 s: Fault is cleared

Figure 111



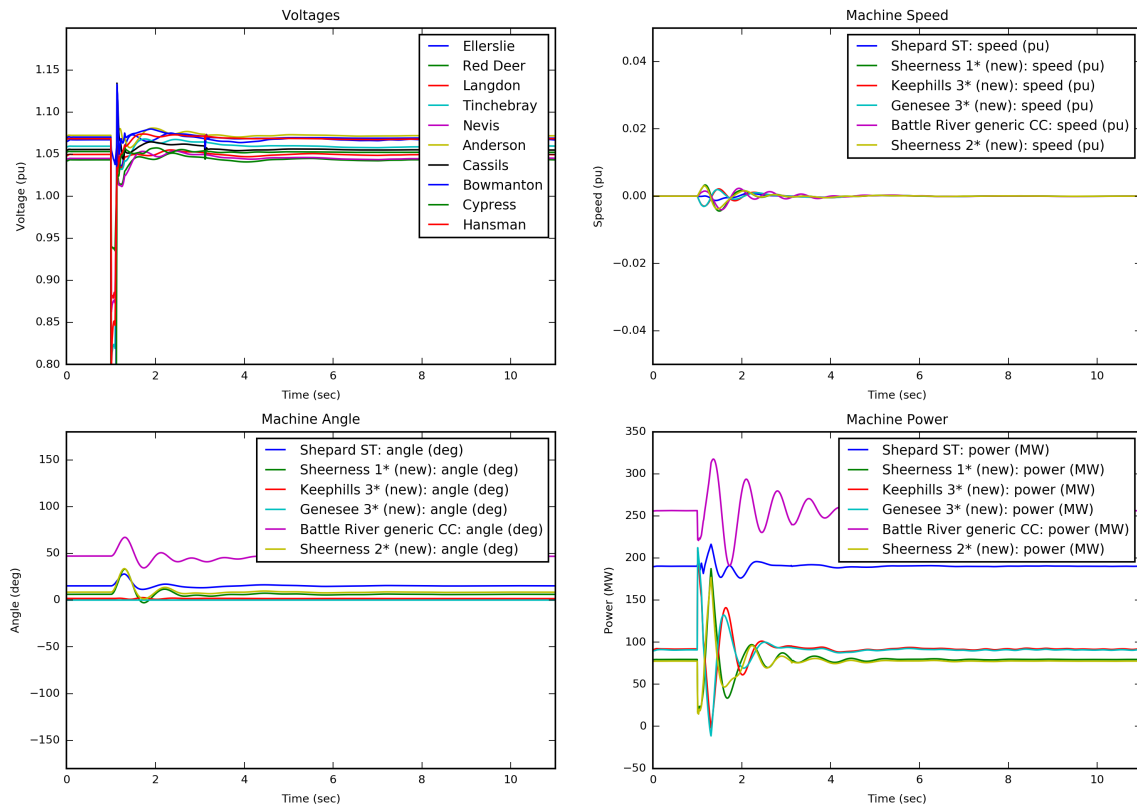
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Ware Jct. - Jenner) near Ware Jct.
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Ware Jct. - Jenner)
- T = 1.1220 s: Fault is cleared

Figure 112



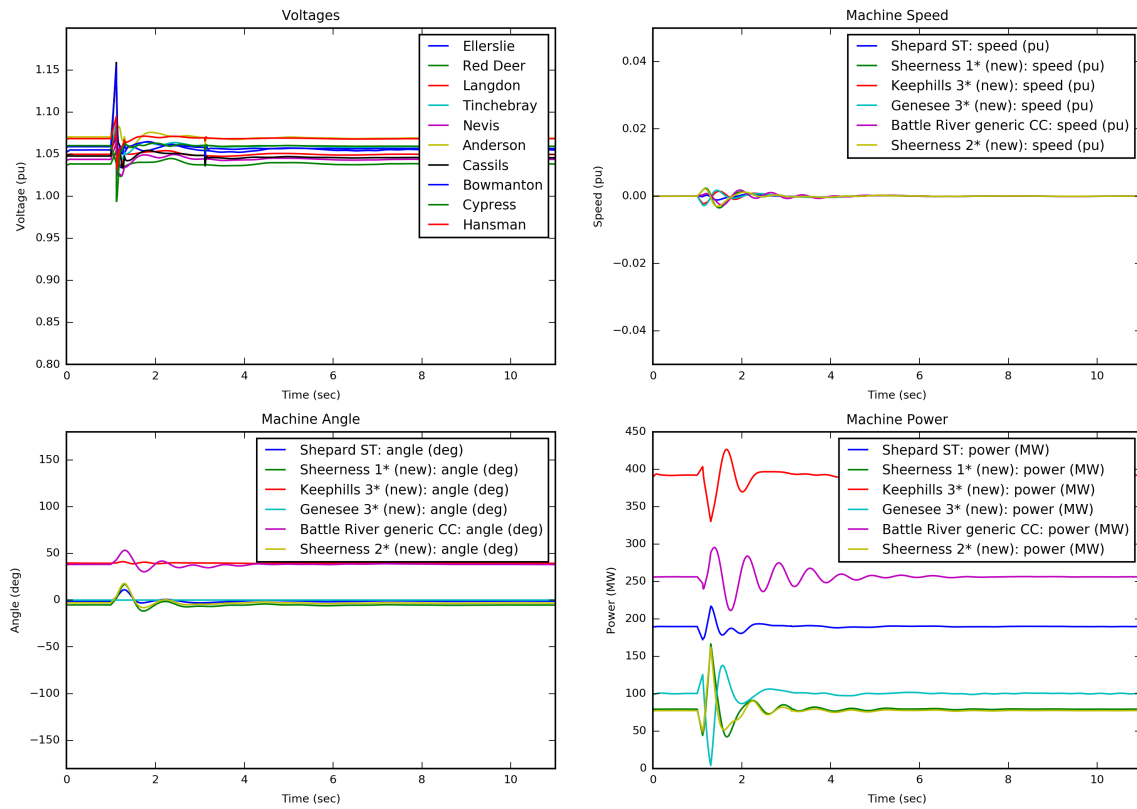
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Ware Jct. - Jenner) near Ware Jct.
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Ware Jct. - Jenner)
- T = 1.1220 s: Fault is cleared

Figure 113



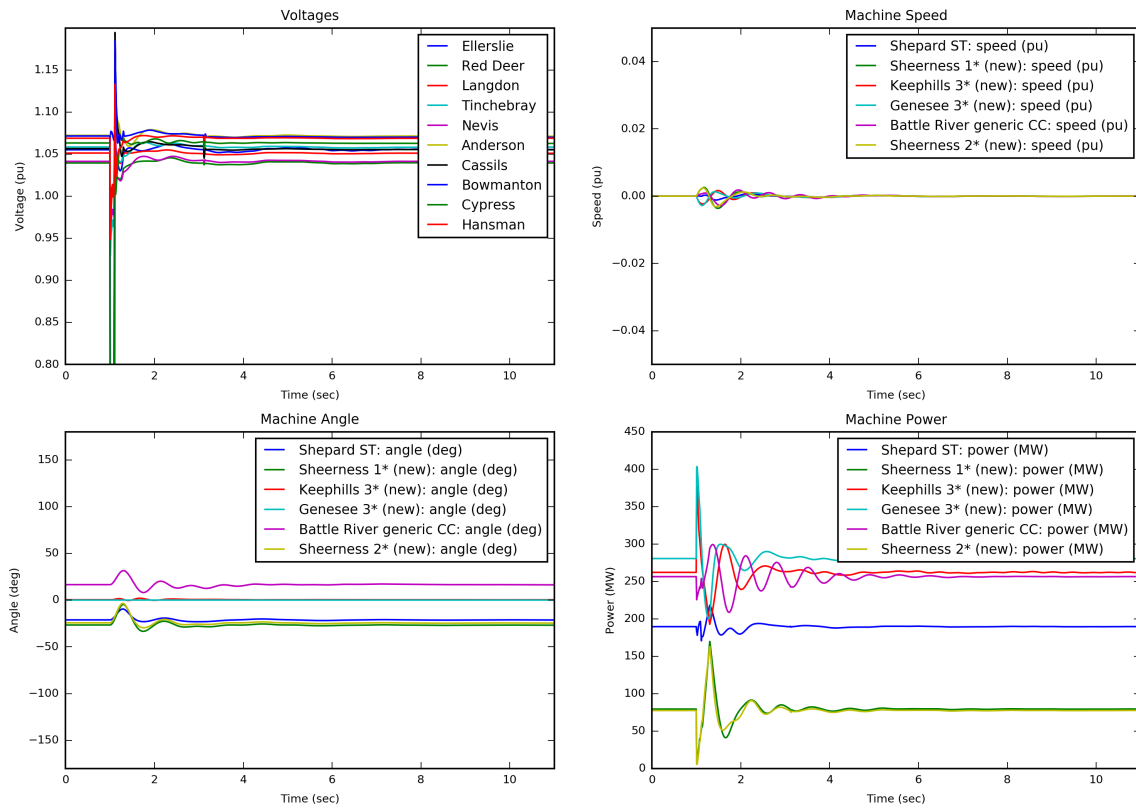
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Jenner - Ware Jct.) near Jenner
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Jenner - Ware Jct.)
- T = 1.1220 s: Fault is cleared

Figure 114



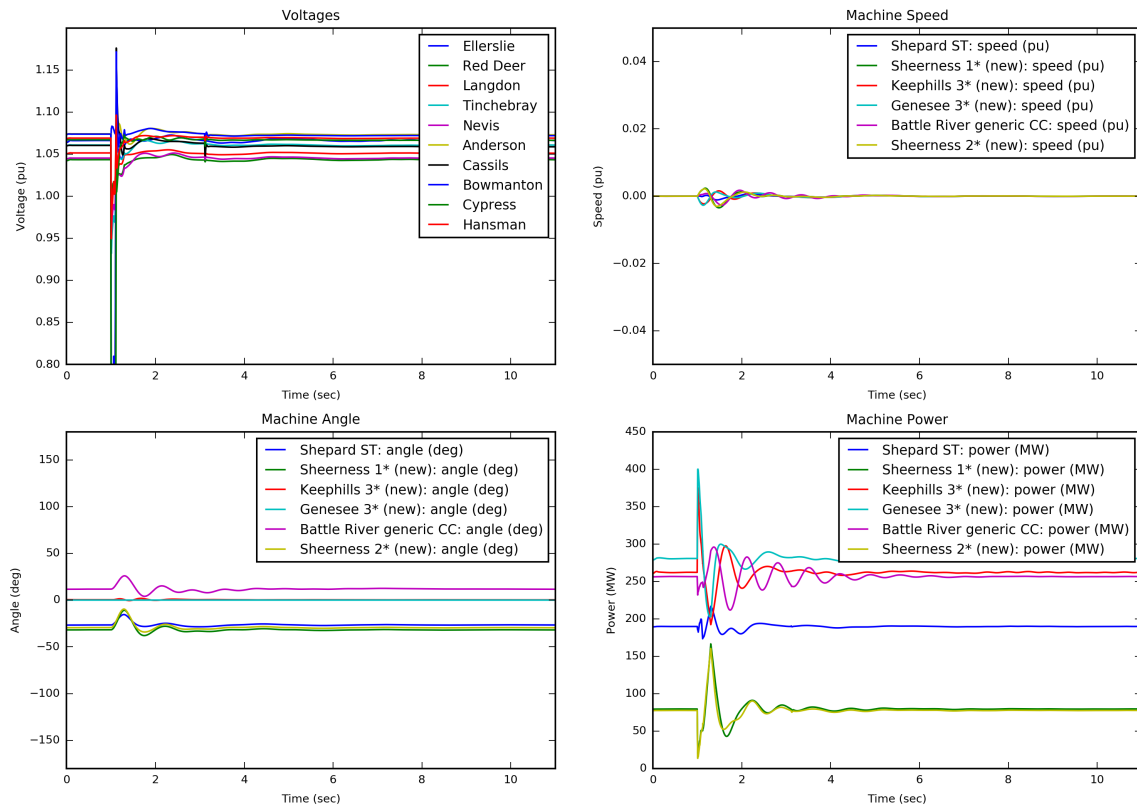
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Jenner - Ware Jct.) near Jenner
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Jenner - Ware Jct.)
- T = 1.1220 s: Fault is cleared

Figure 115



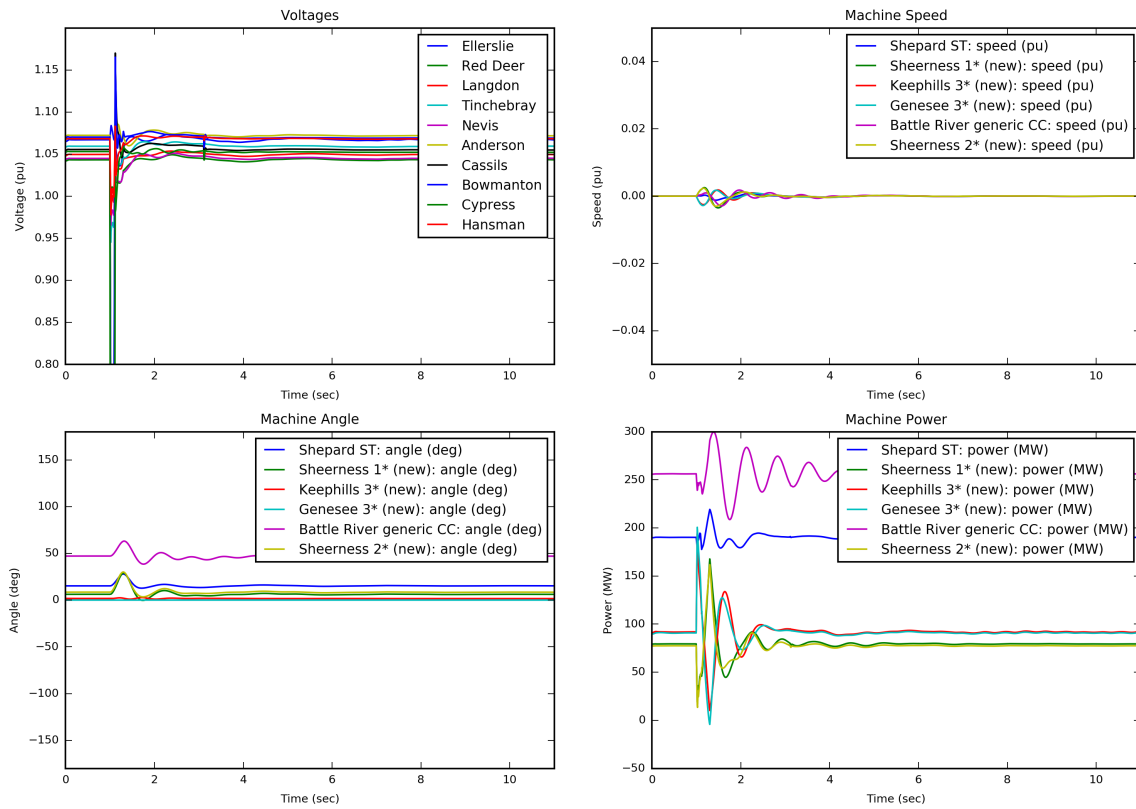
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Jenner - Ware Jct.) near Jenner
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Jenner - Ware Jct.)
- T = 1.1220 s: Fault is cleared

Figure 116



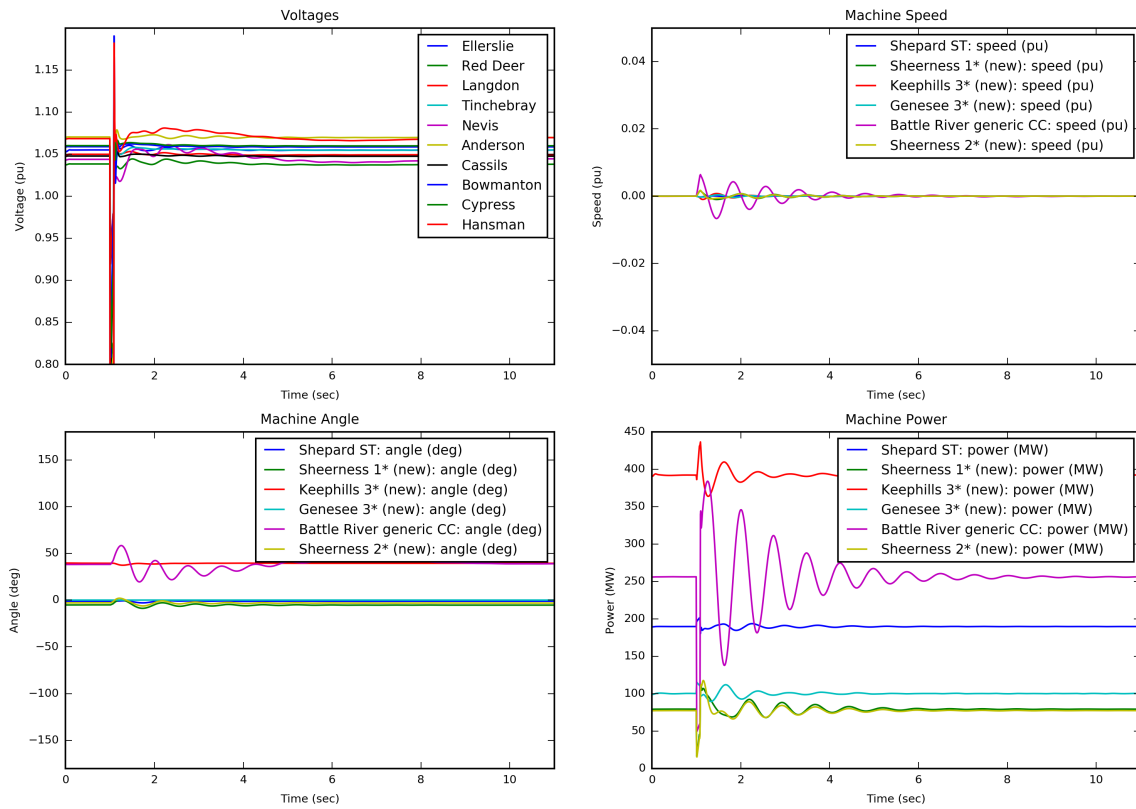
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 944L (Jenner - Ware Jct.) near Jenner
- T = 1.1070 s: Opened near end breaker
- T = 1.1220 s: Tripped 944L (Jenner - Ware Jct.)
- T = 1.1220 s: Fault is cleared

Figure 117



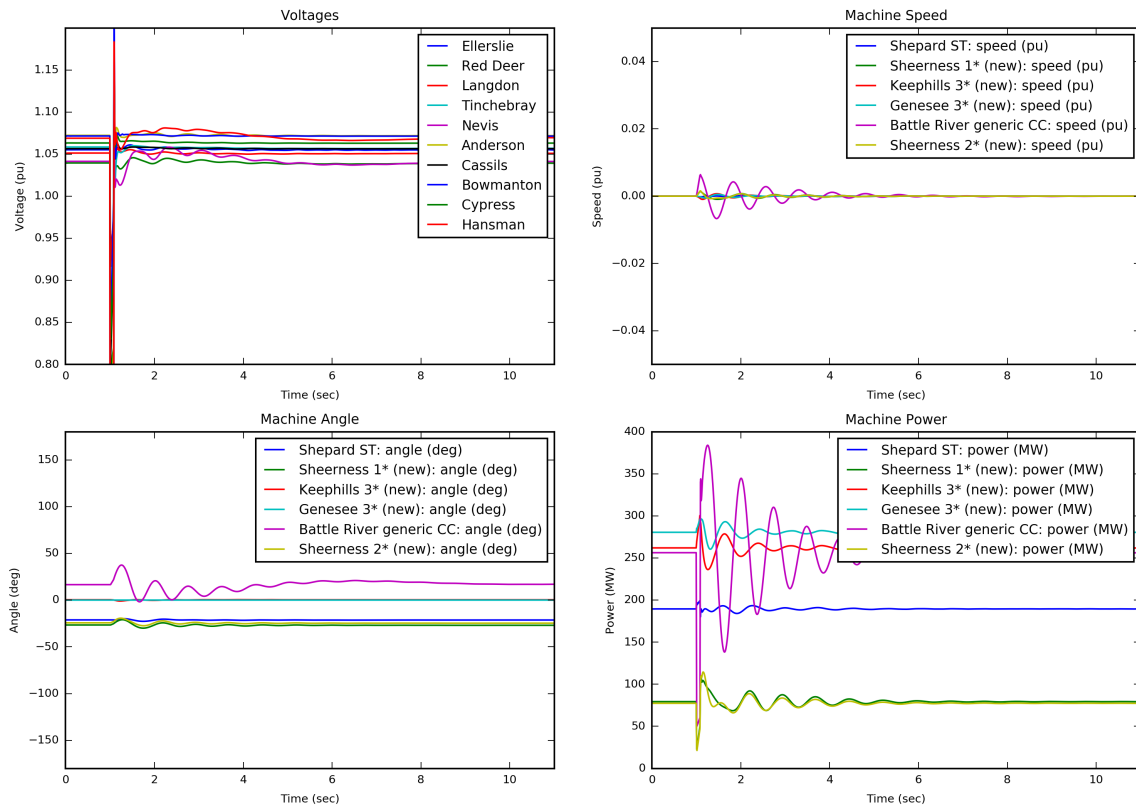
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Tinchebray - Cordel) near Tinchebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Tinchebray - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 118



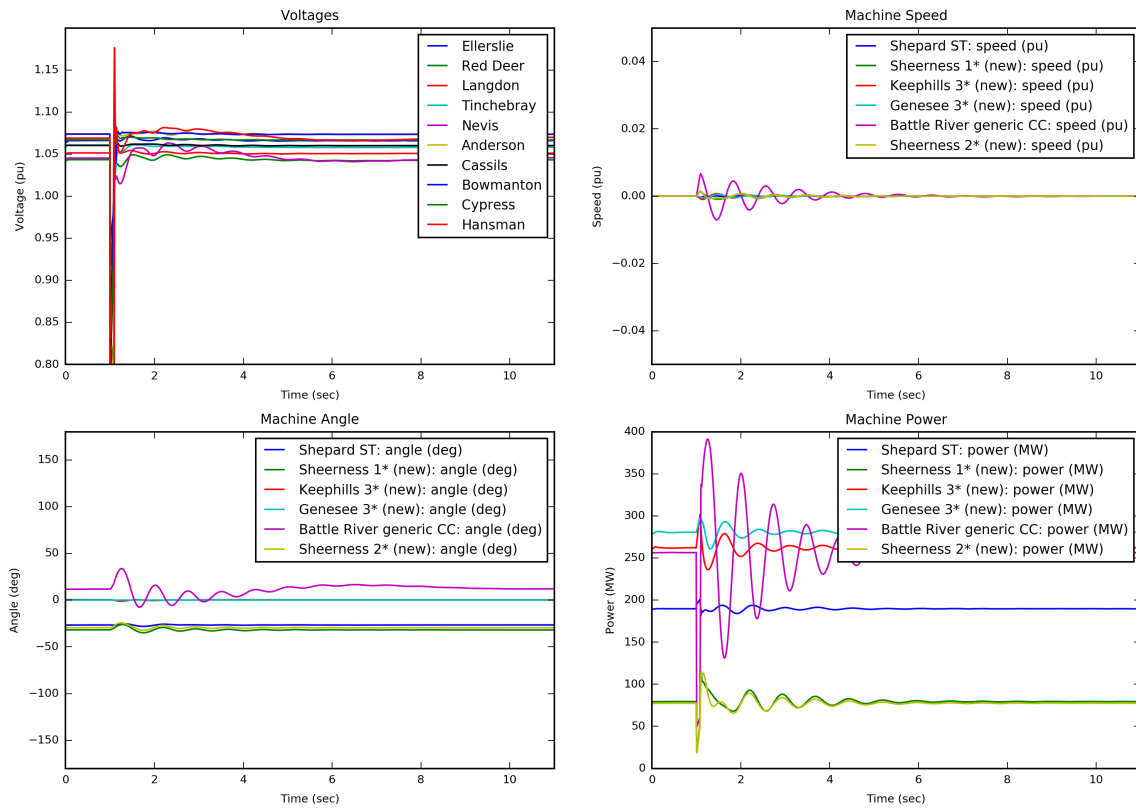
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Tincebray - Cordel) near Tincebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Tincebray - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 119



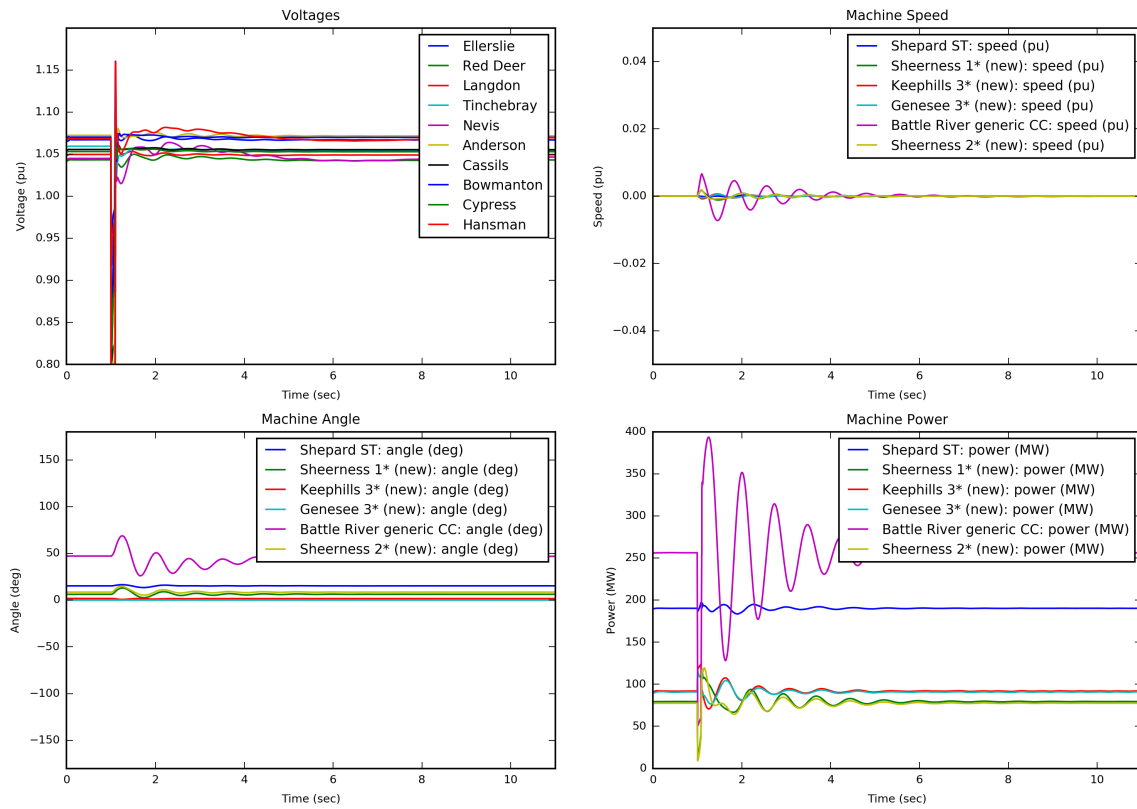
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Tincebray - Cordel) near Tincebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Tincebray - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 120



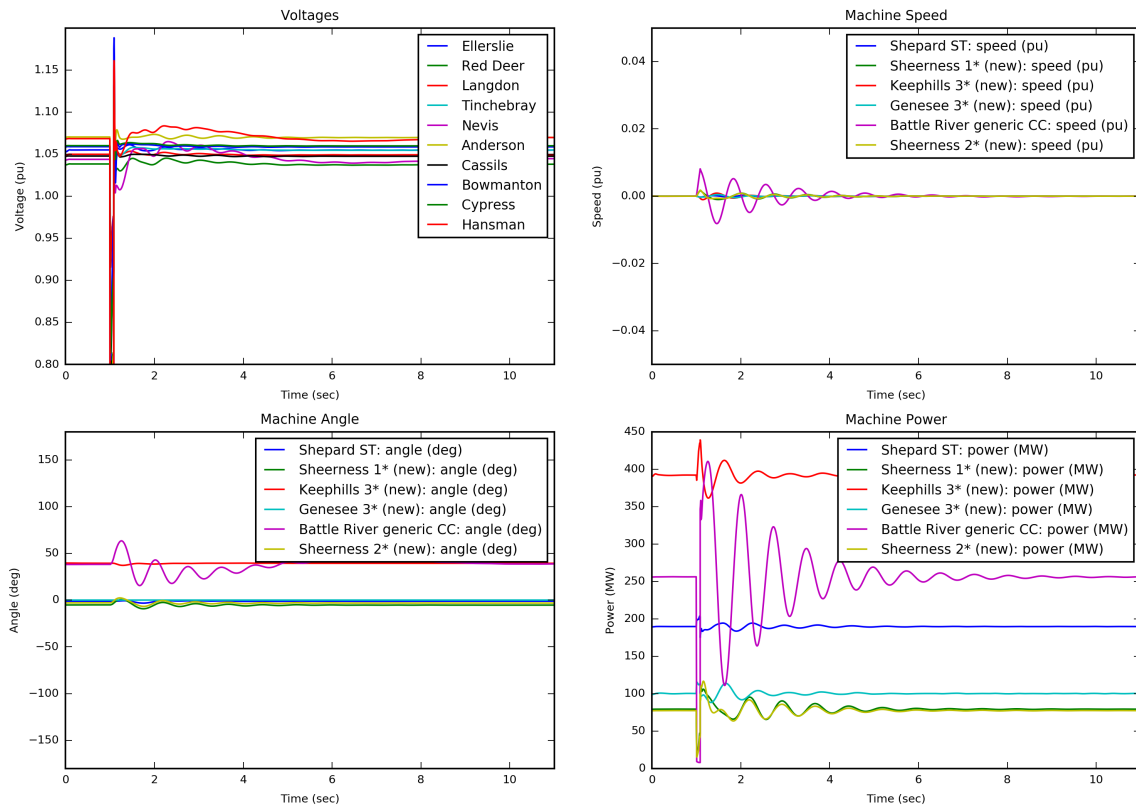
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Tincebray - Cordel) near Tincebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Tincebray - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 121



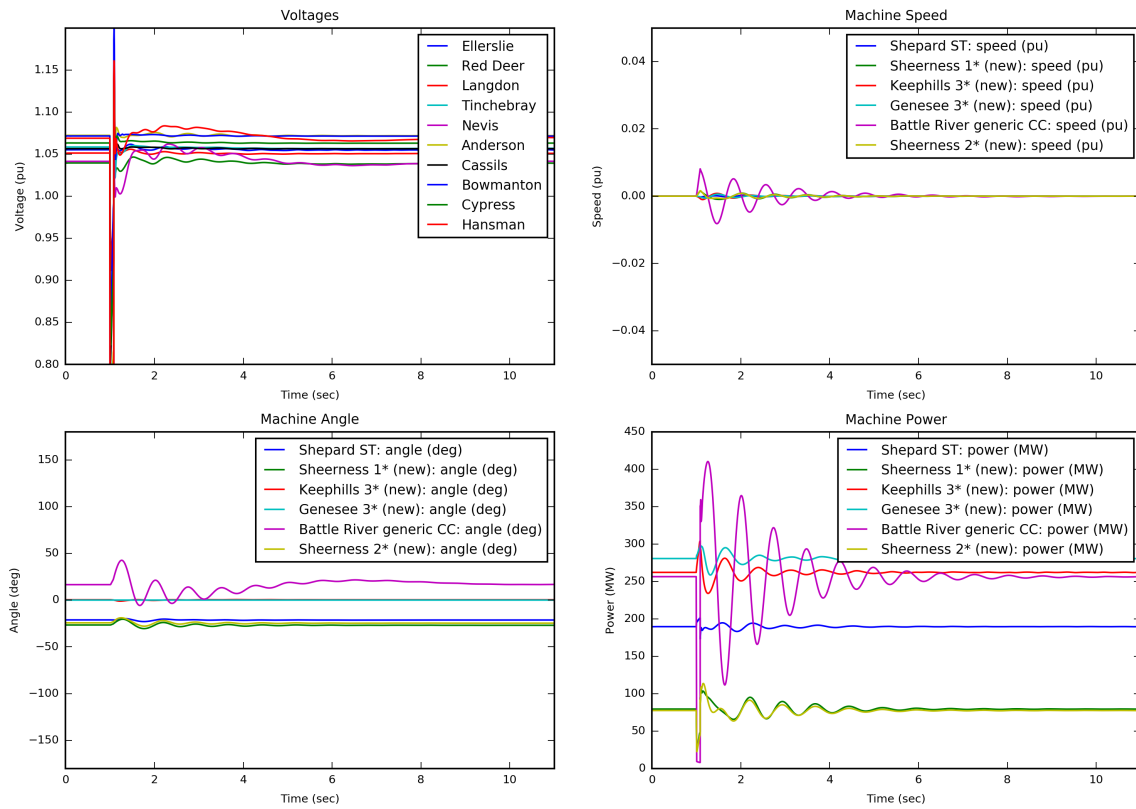
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Cordel - Tinchebray) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Cordel - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 122



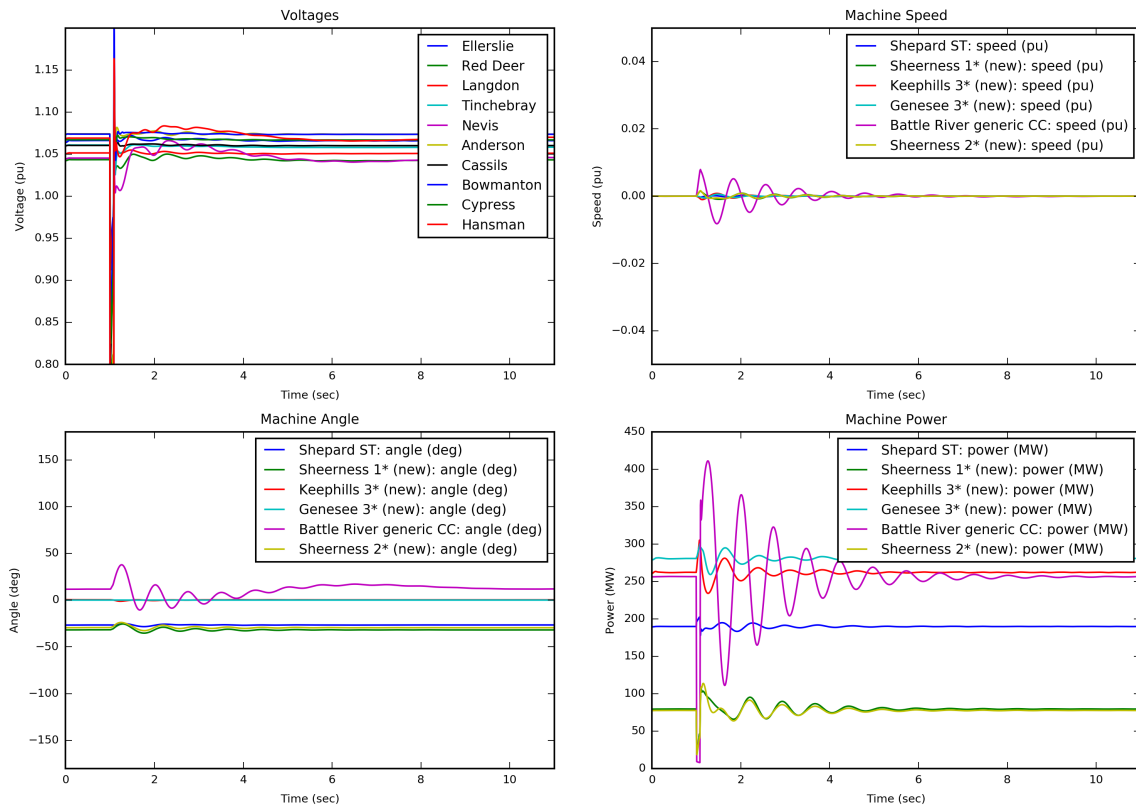
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Cordel - Tinchebray) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Cordel - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 123



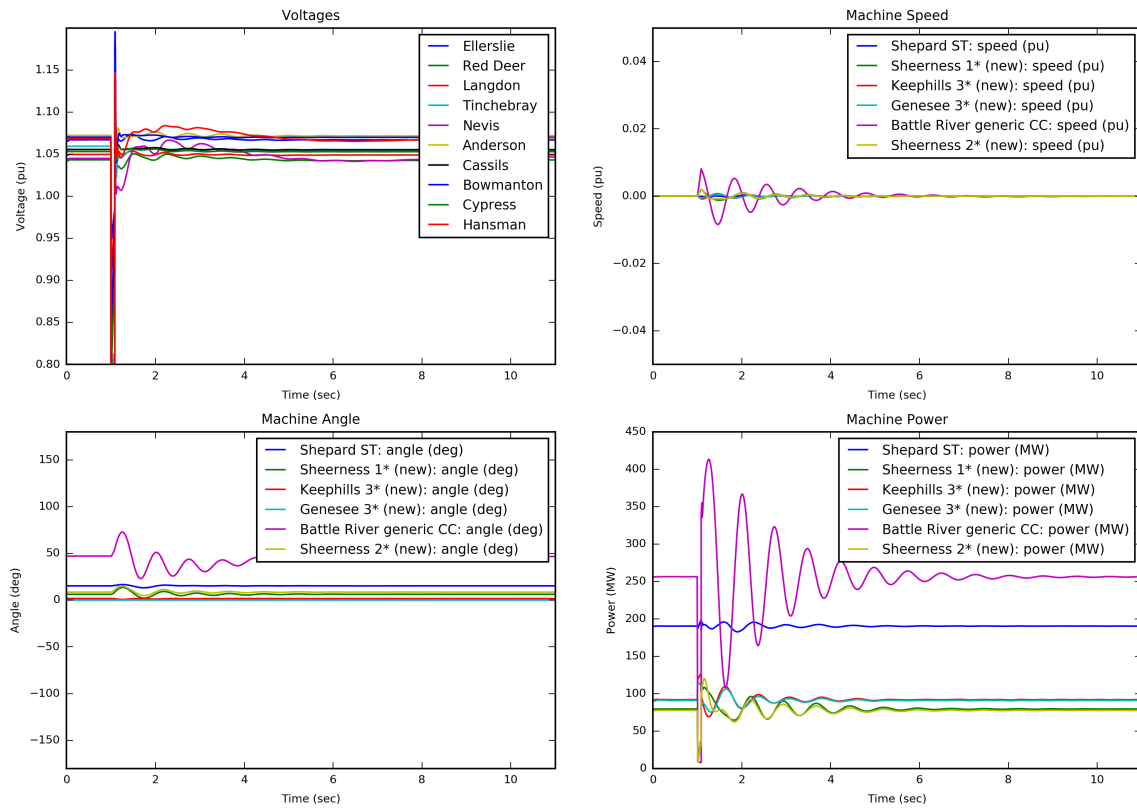
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Cordel - Tinchebray) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Cordel - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 124



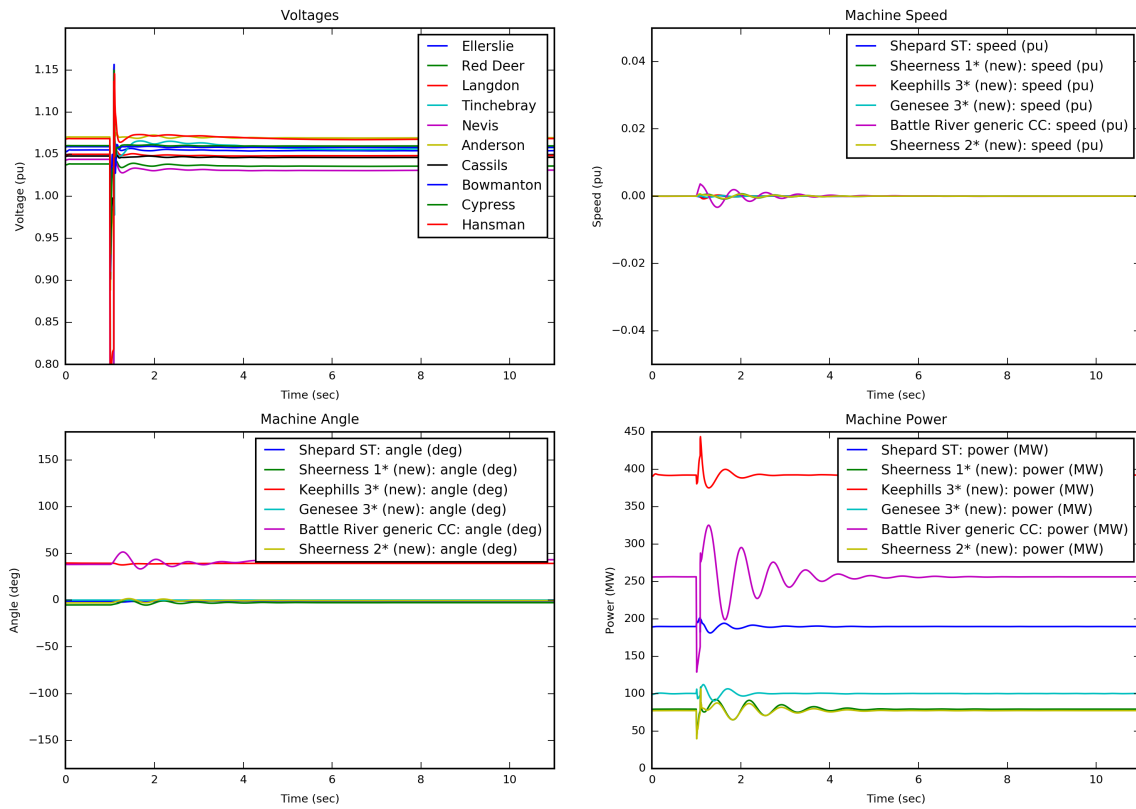
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L16 (Cordel - Tinchebray) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L16 (Cordel - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 125



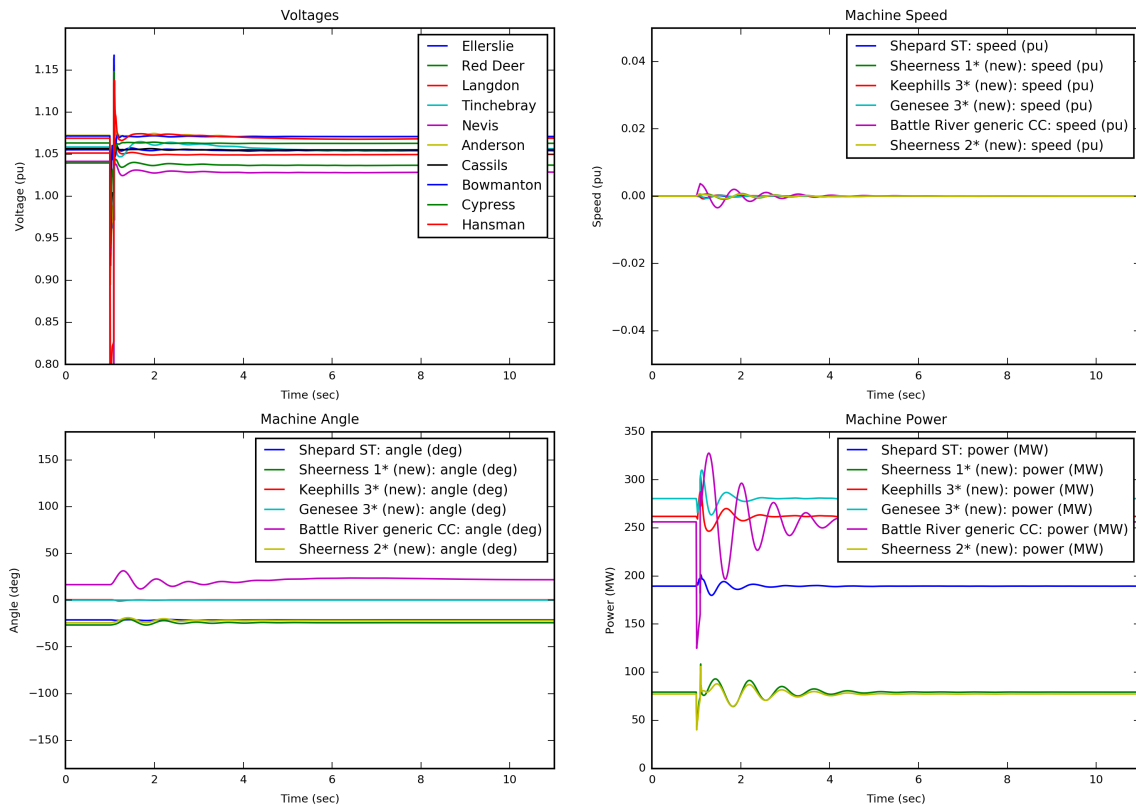
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Nevis - Cordel) near Nevis
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Nevis - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 126



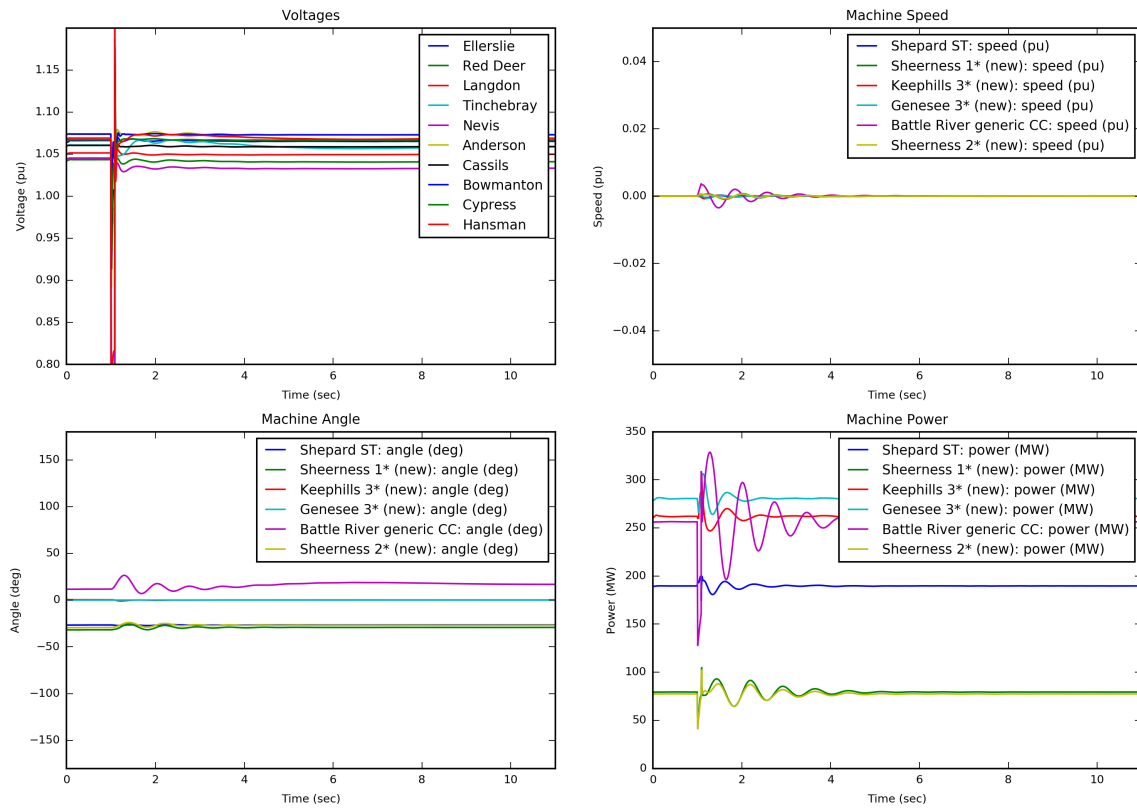
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Nevis - Cordel) near Nevis
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Nevis - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 127



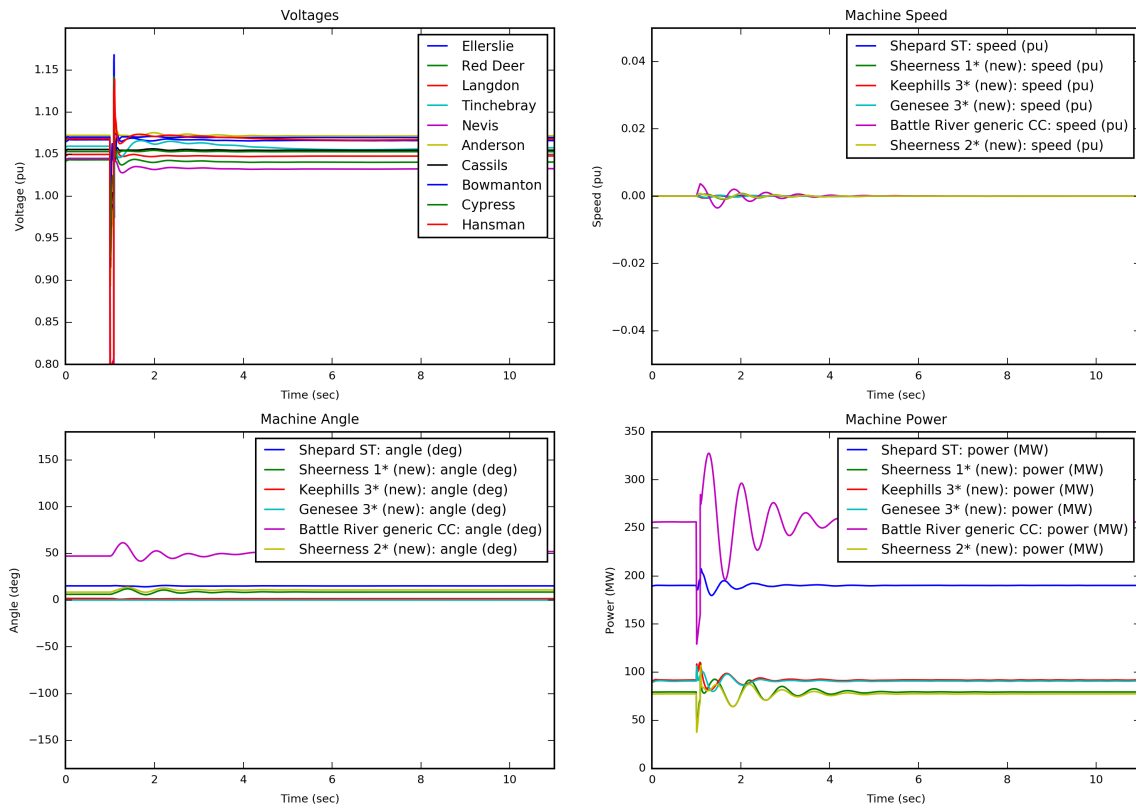
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Nevis - Cordel) near Nevis
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Nevis - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 128



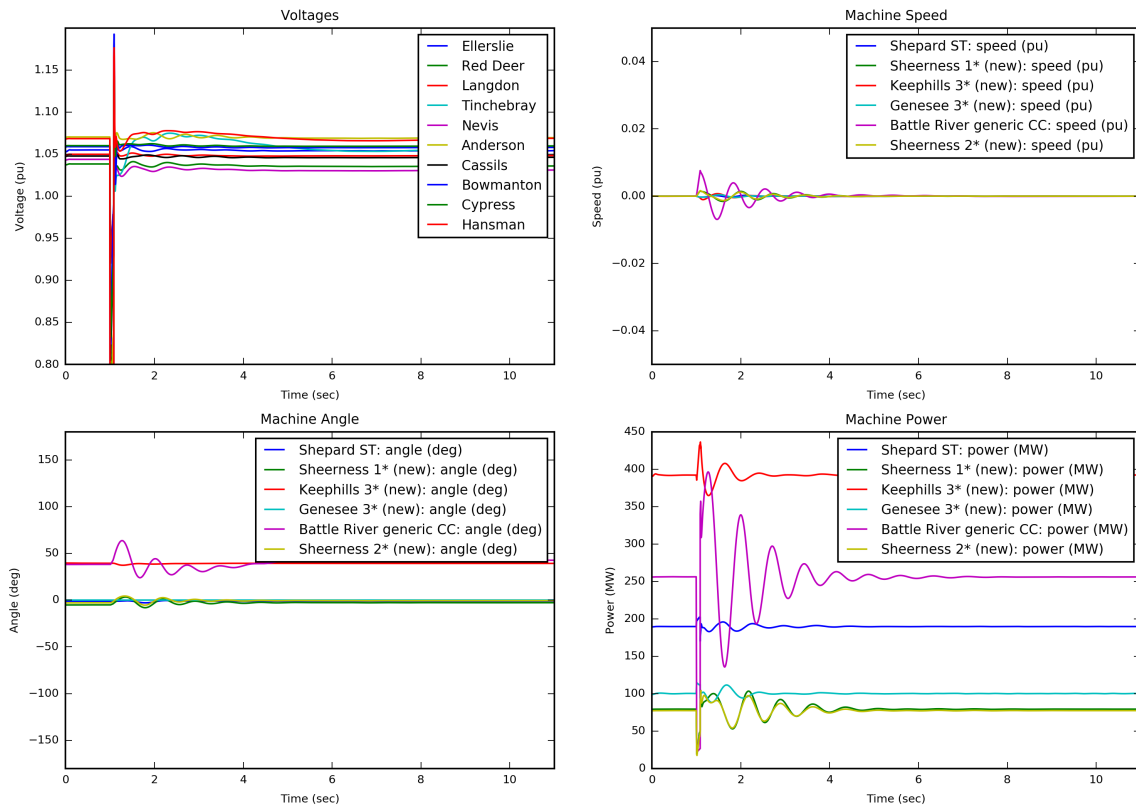
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Nevis - Cordel) near Nevis
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Nevis - Cordel)
- T = 1.1010 s: Fault is cleared

Figure 129



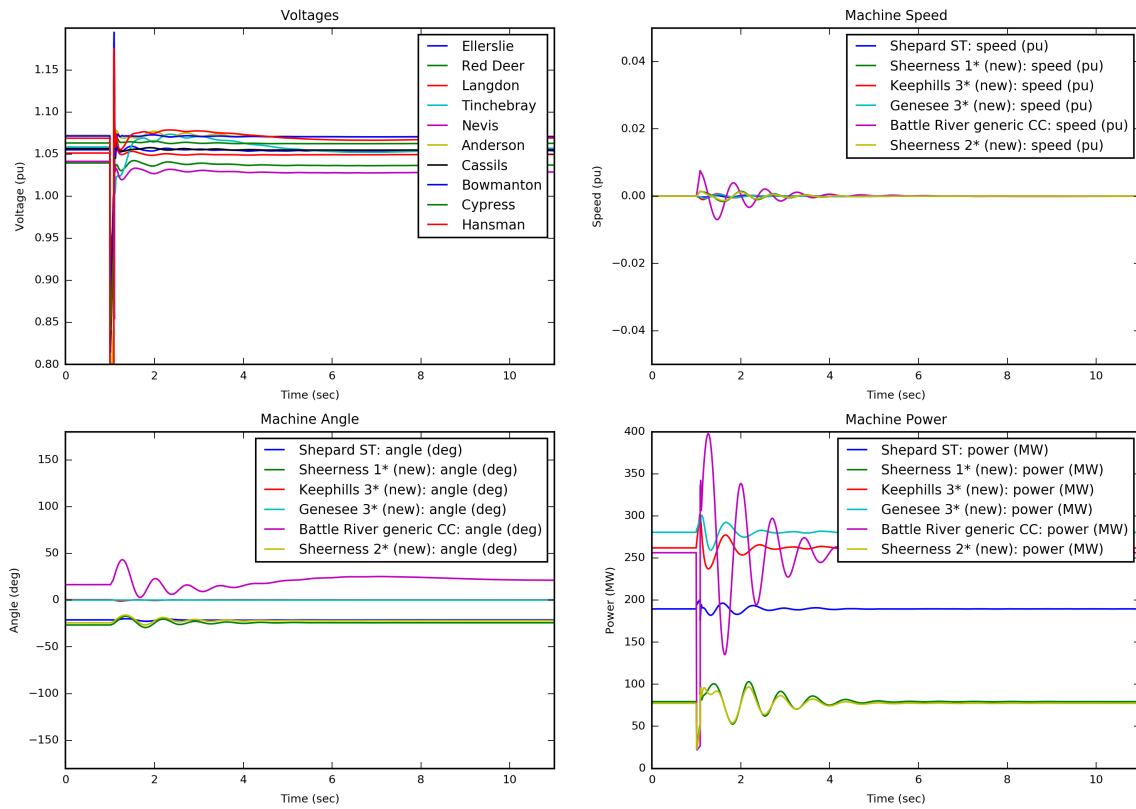
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Cordel - Nevis) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Cordel - Nevis)
- T = 1.1010 s: Fault is cleared

Figure 130



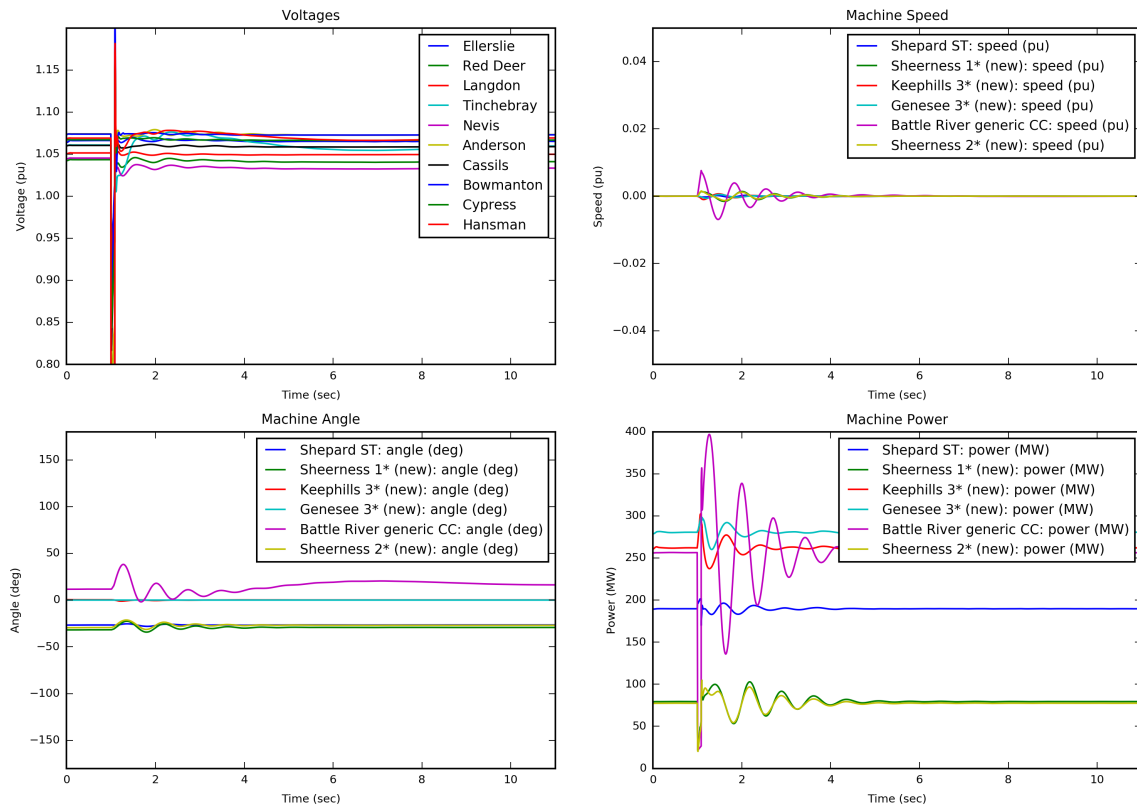
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Cordel - Nevis) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Cordel - Nevis)
- T = 1.1010 s: Fault is cleared

Figure 131



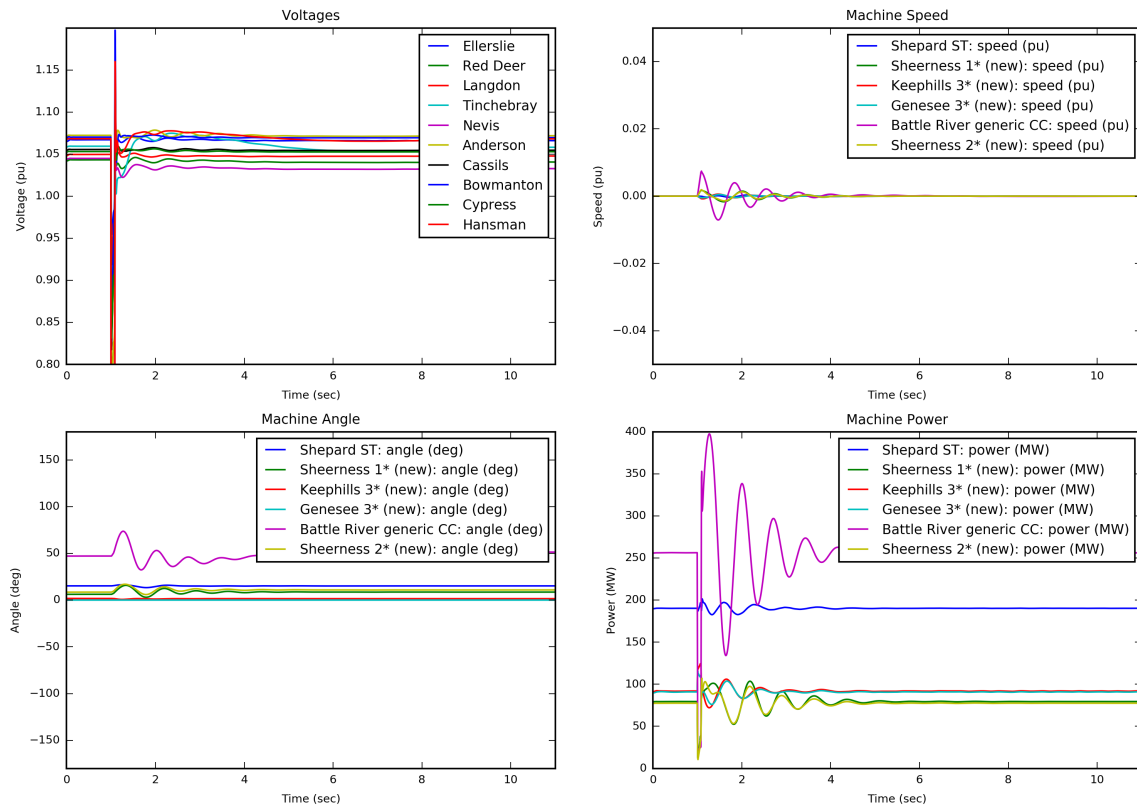
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Cordel - Nevis) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Cordel - Nevis)
- T = 1.1010 s: Fault is cleared

Figure 132



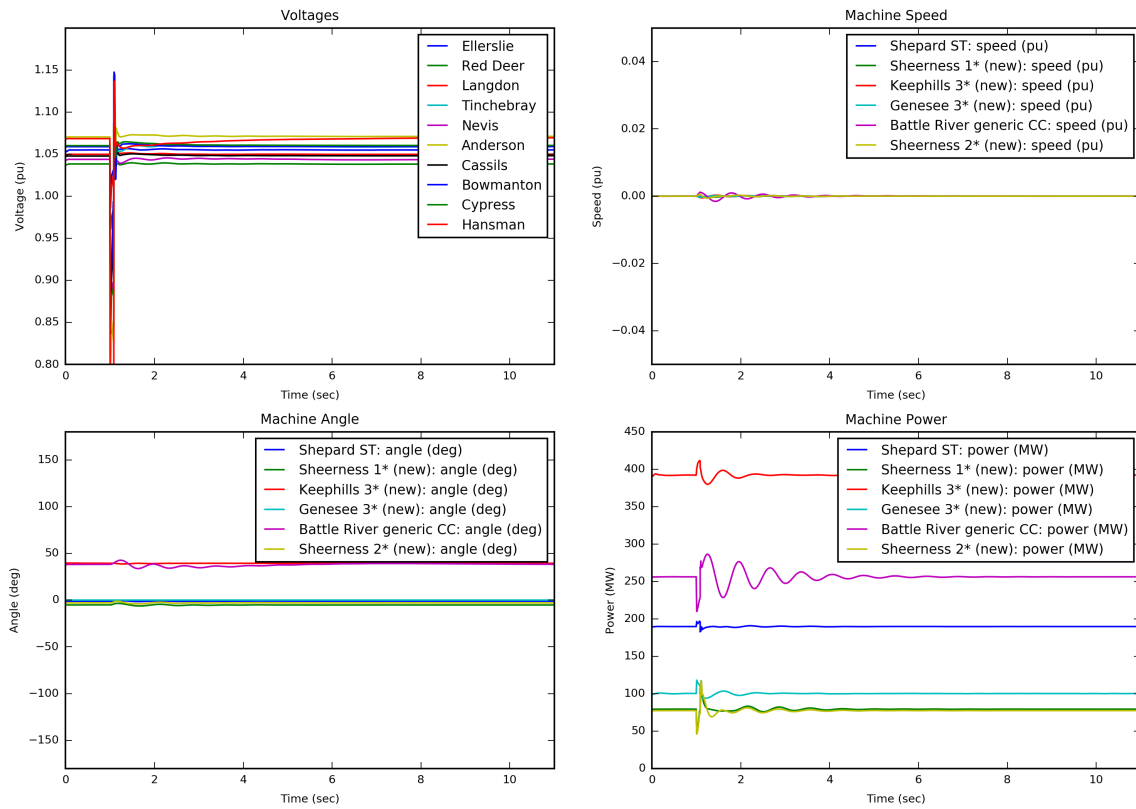
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L20 (Cordel - Nevis) near Cordel
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L20 (Cordel - Nevis)
- T = 1.1010 s: Fault is cleared

Figure 133



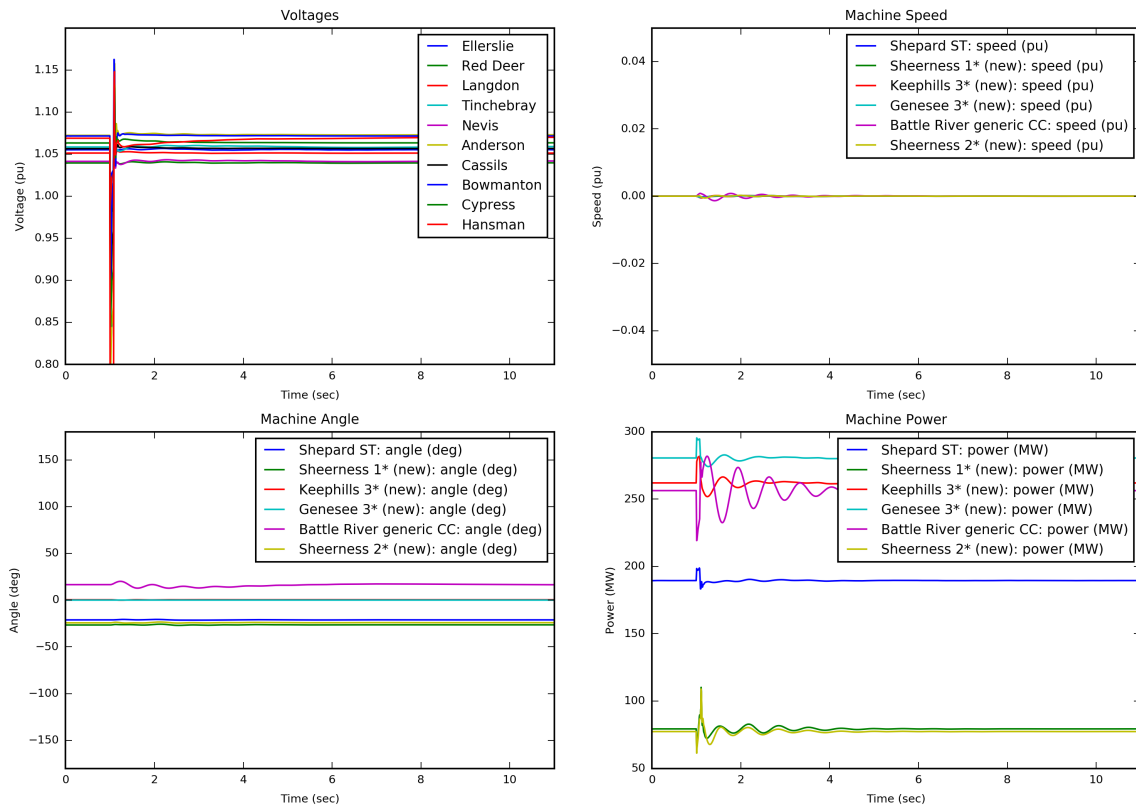
Case Description

— Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (New Brigden - Lanfine) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (New Brigden - Lanfine)
- T = 1.1010 s: Fault is cleared

Figure 134



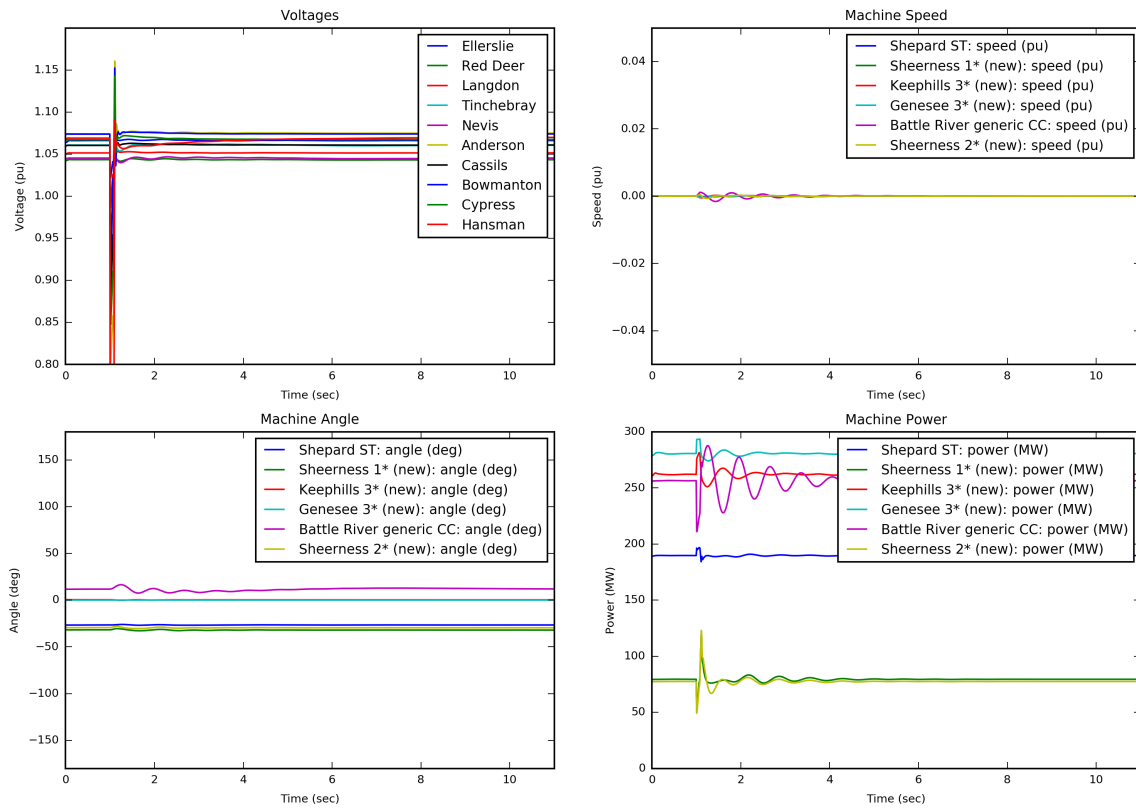
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (New Brigden - Lanfine) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (New Brigden - Lanfine)
- T = 1.1010 s: Fault is cleared

Figure 135



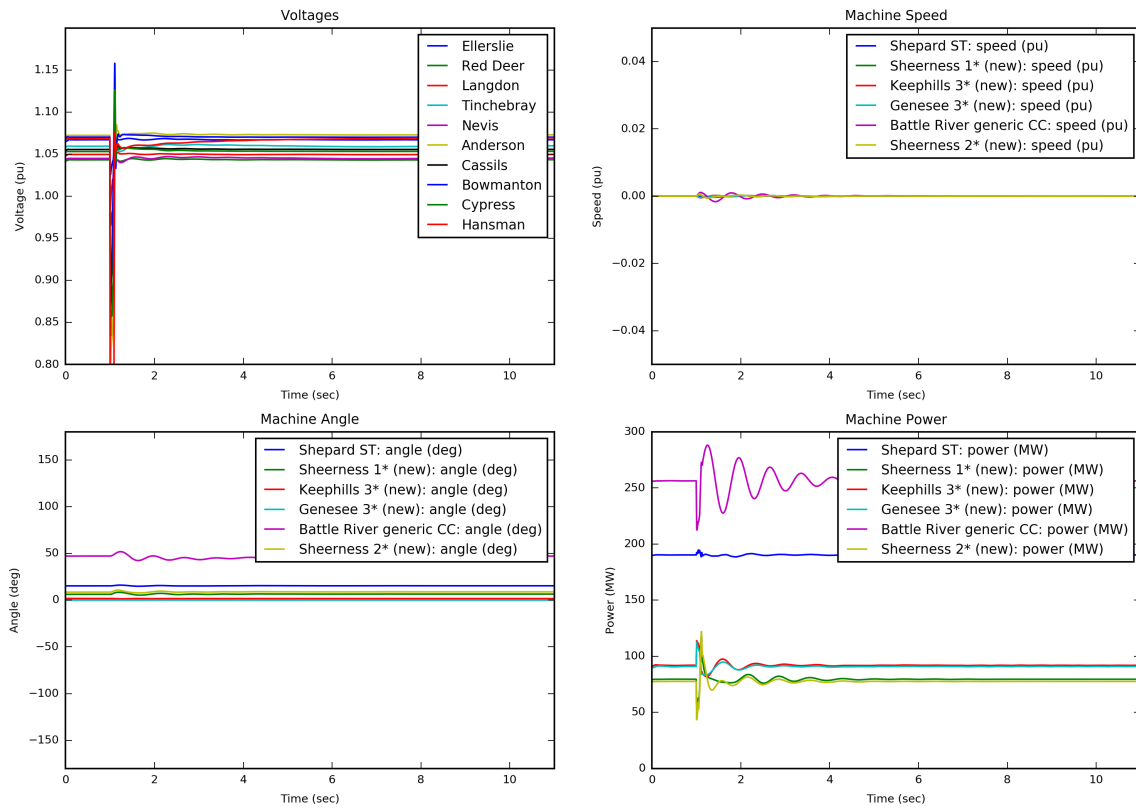
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (New Brigden - Lanfine) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (New Brigden - Lanfine)
- T = 1.1010 s: Fault is cleared

Figure 136



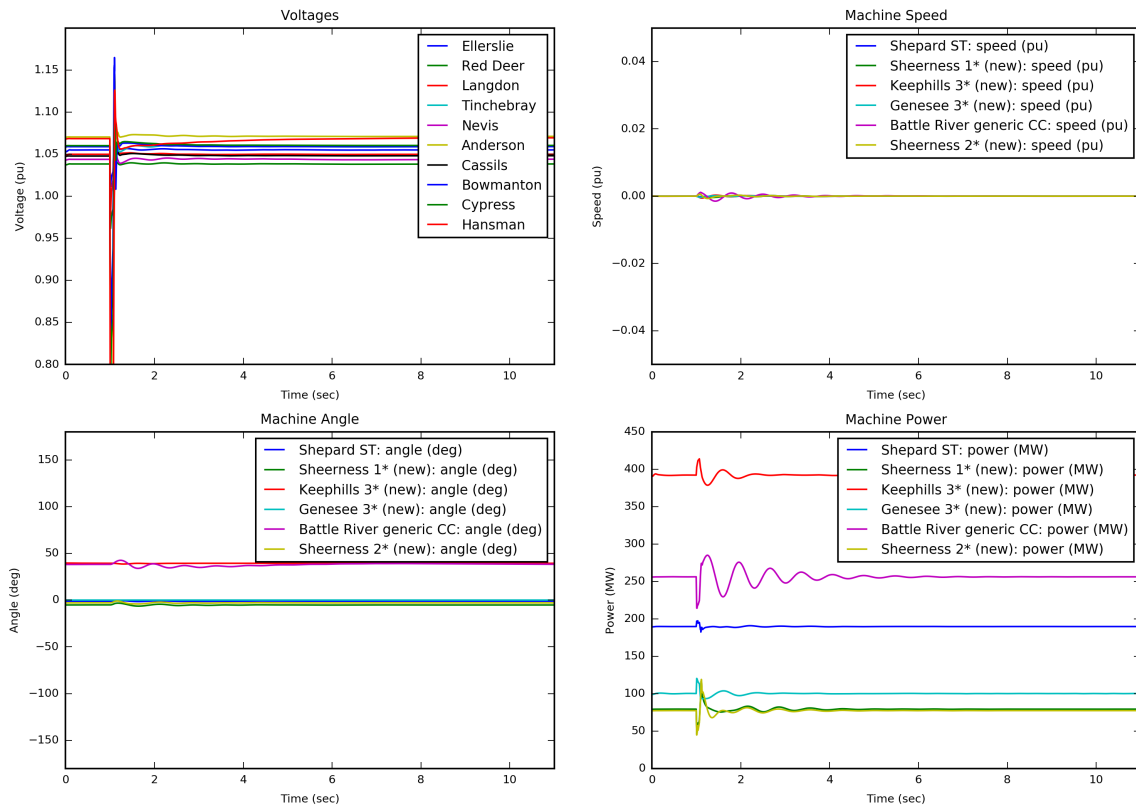
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (New Brigden - Lanfine) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (New Brigden - Lanfine)
- T = 1.1010 s: Fault is cleared

Figure 137



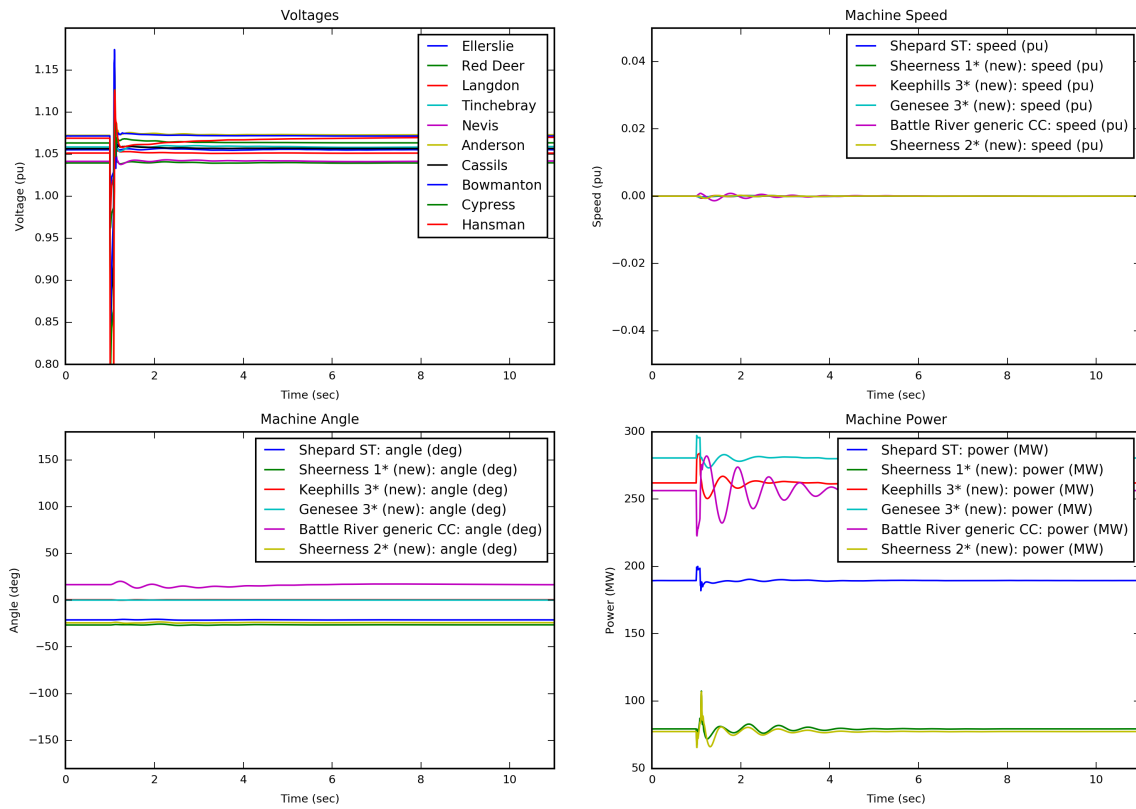
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (Lanfine - New Bridgen) near Lanfine
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (Lanfine - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 138



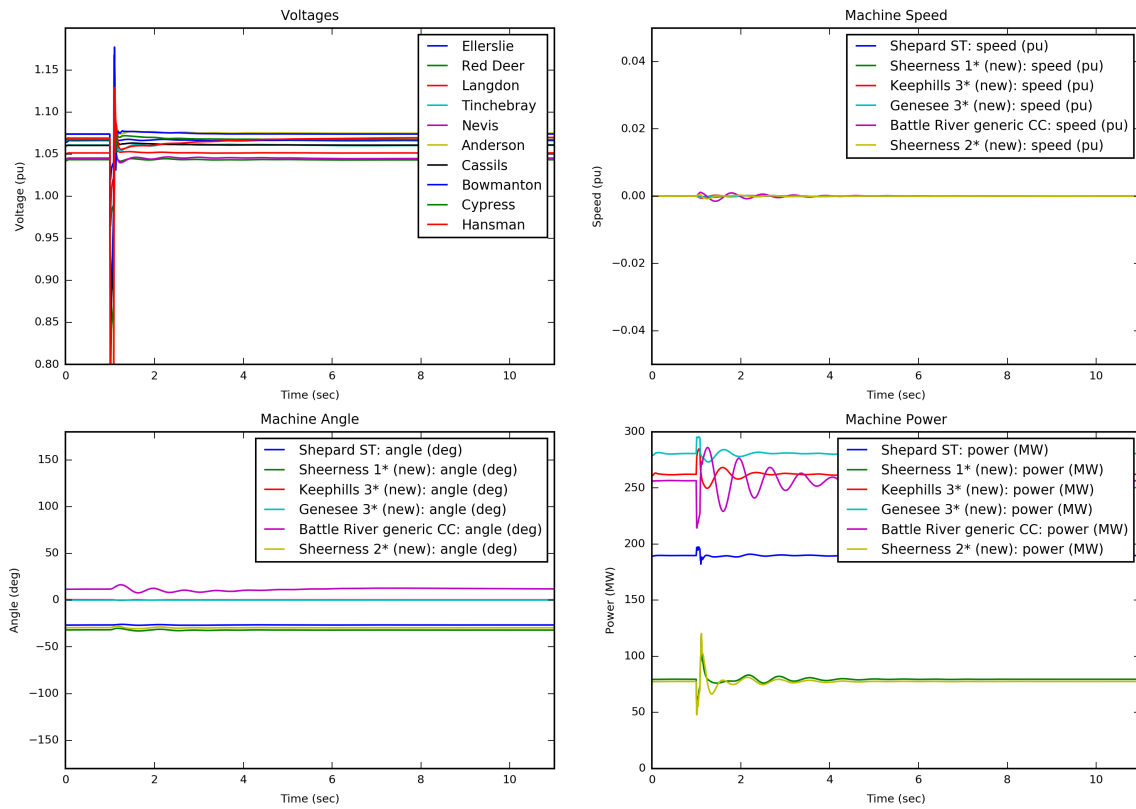
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (Lanfine - New Bridgen) near Lanfine
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (Lanfine - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 139



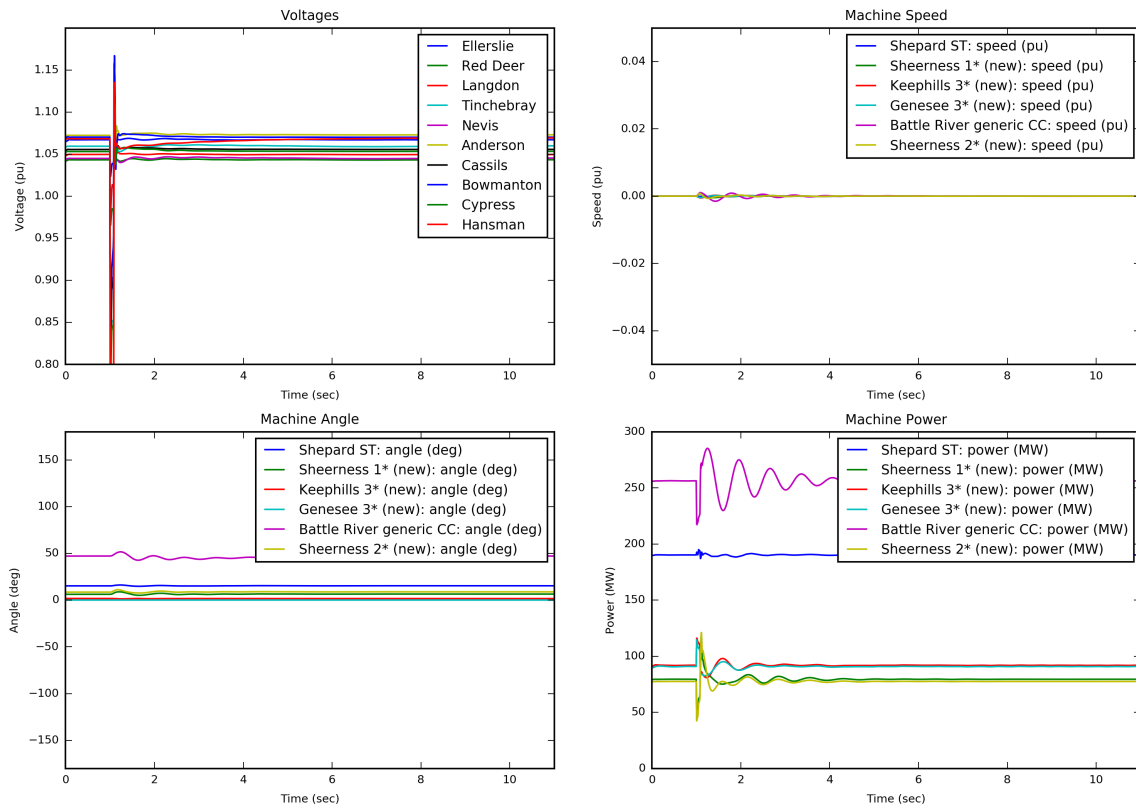
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (Lanfine - New Bridgen) near Lanfine
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (Lanfine - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 140



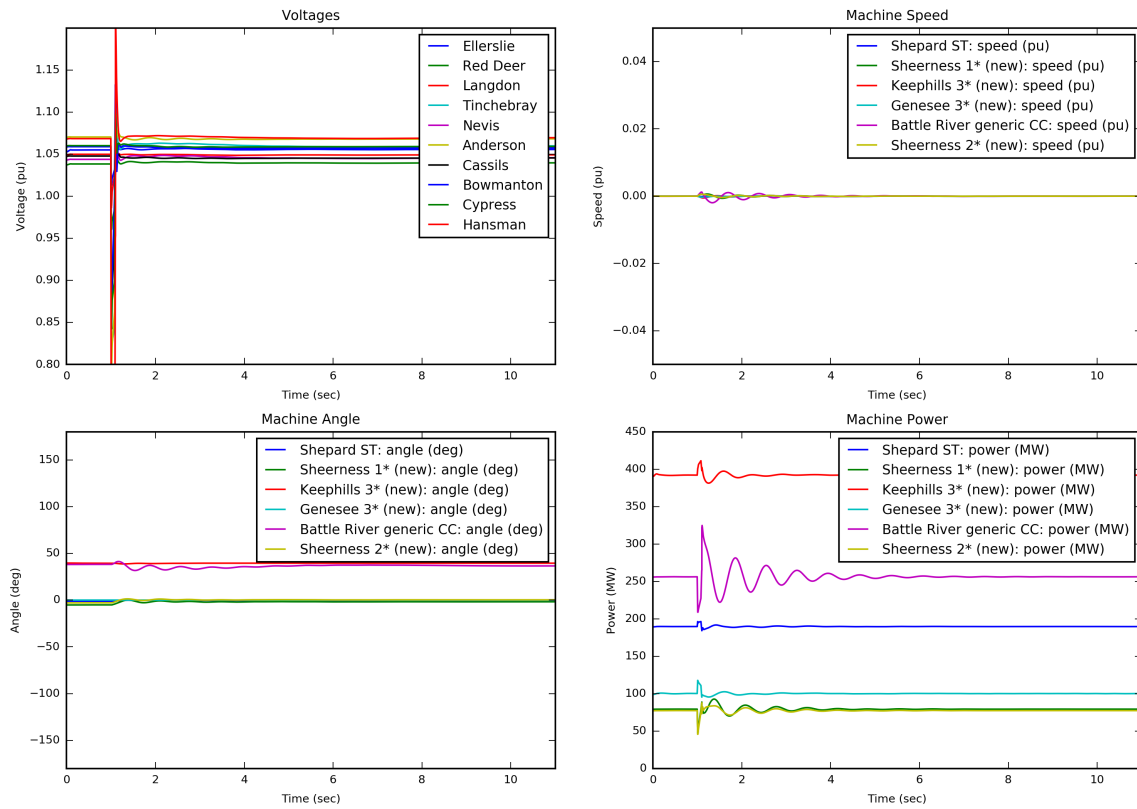
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L46 (Lanfine - New Bridgen) near Lanfine
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L46 (Lanfine - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 141



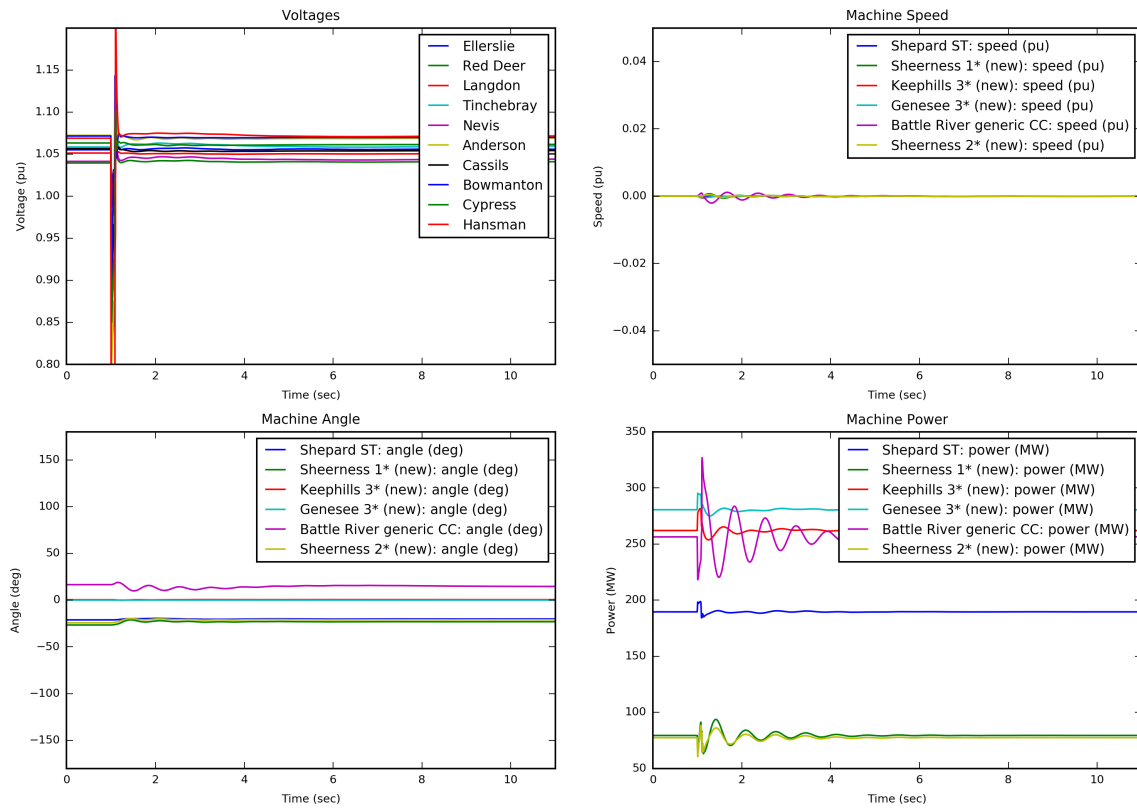
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (New Brigden - Pemukan) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (New Brigden - Pemukan)
- T = 1.1010 s: Fault is cleared

Figure 142



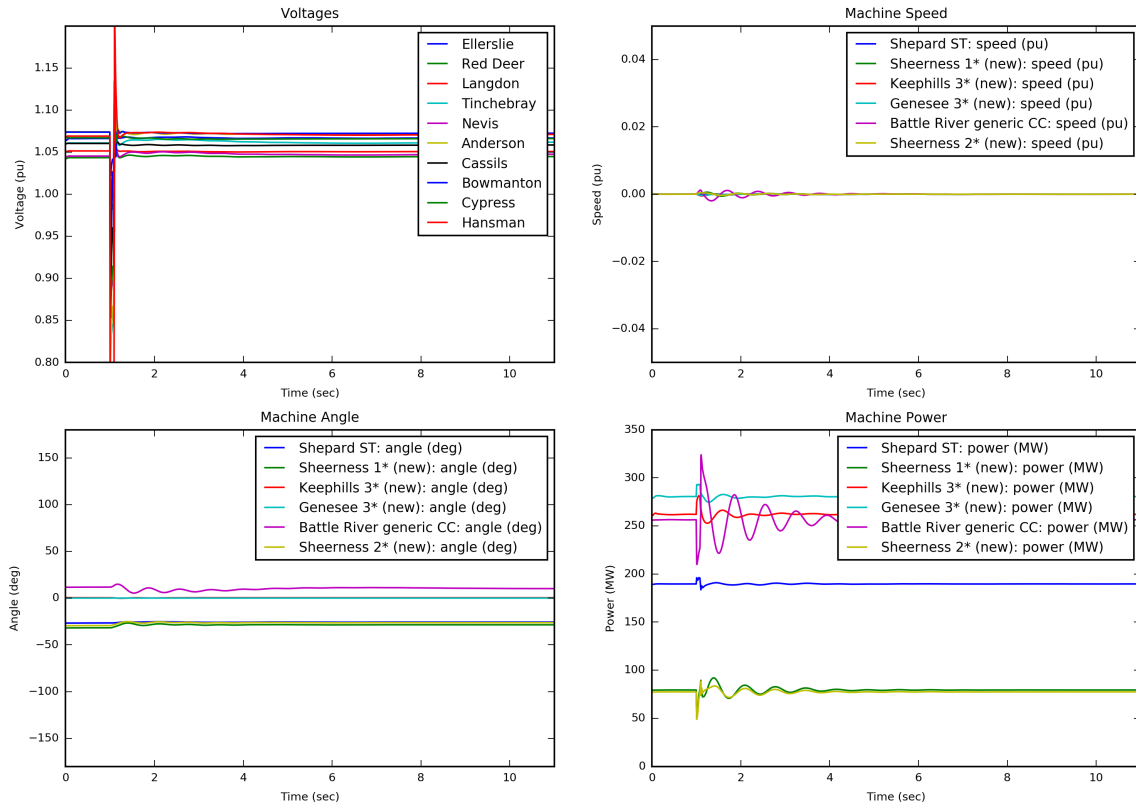
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (New Brigden - Pemukan) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (New Brigden - Pemukan)
- T = 1.1010 s: Fault is cleared

Figure 143



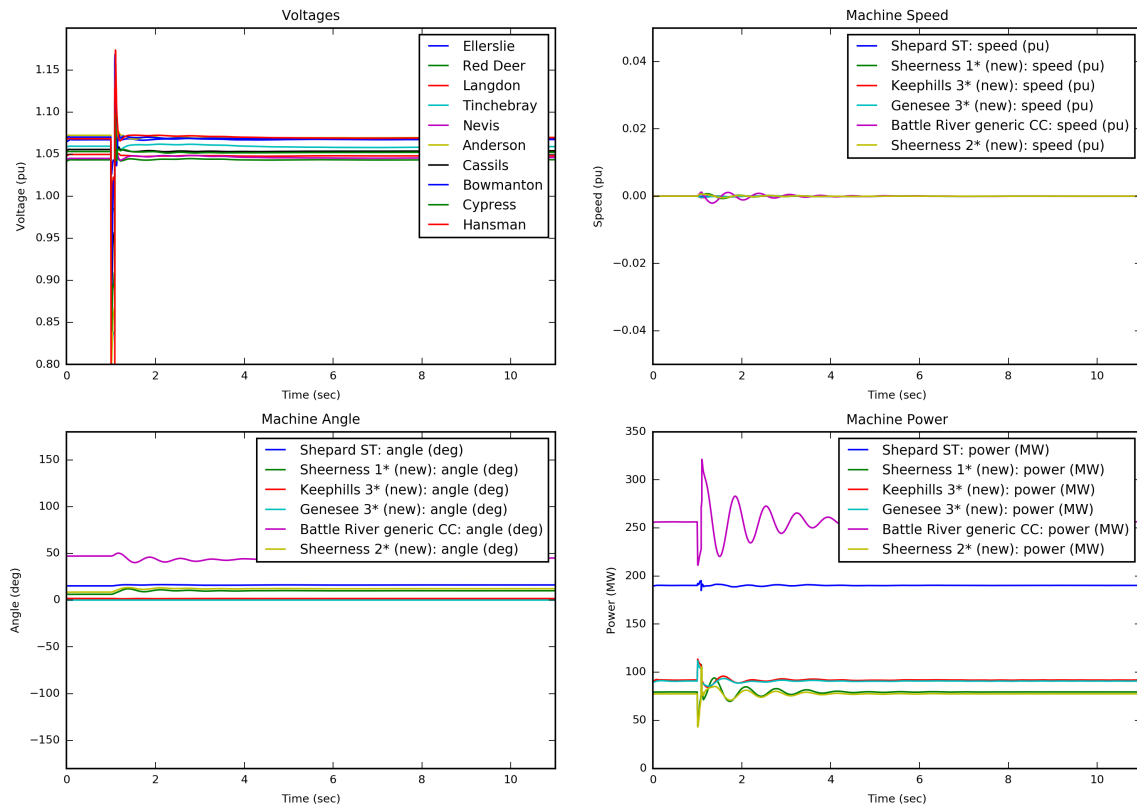
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (New Brigden - Pemukan) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (New Brigden - Pemukan)
- T = 1.1010 s: Fault is cleared

Figure 144



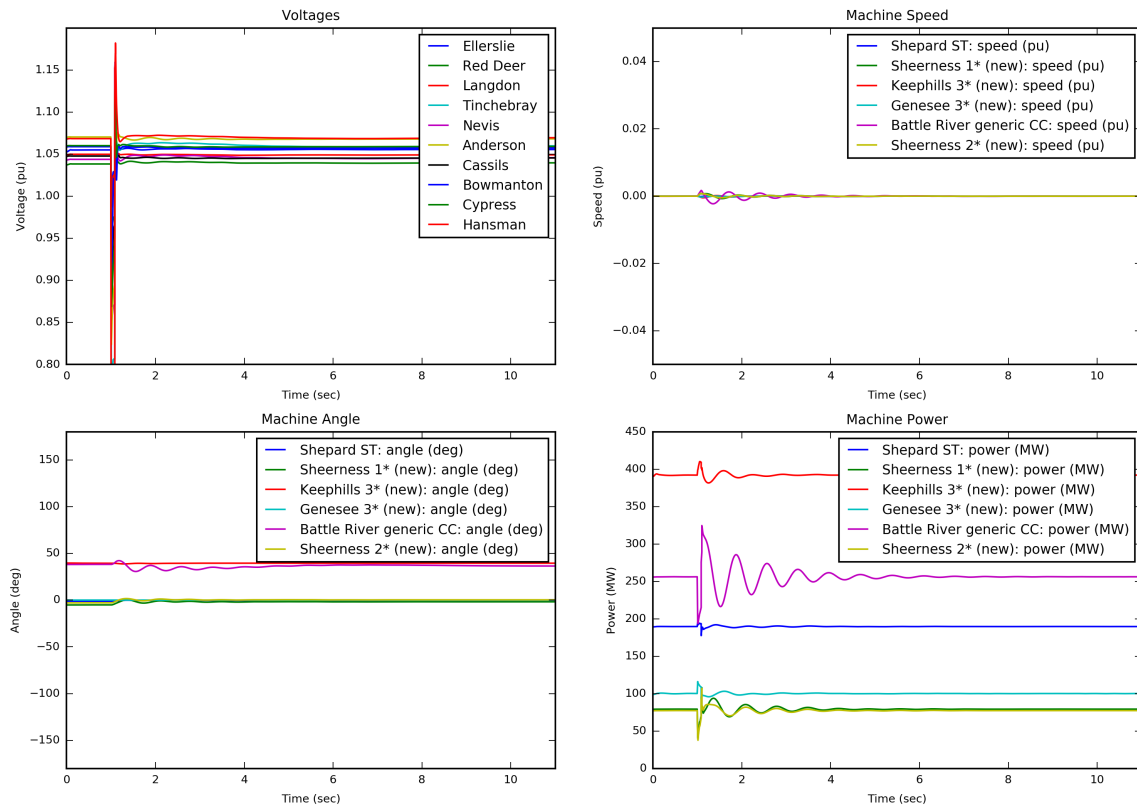
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (New Brigden - Pemukan) near New Brigden
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (New Brigden - Pemukan)
- T = 1.1010 s: Fault is cleared

Figure 145



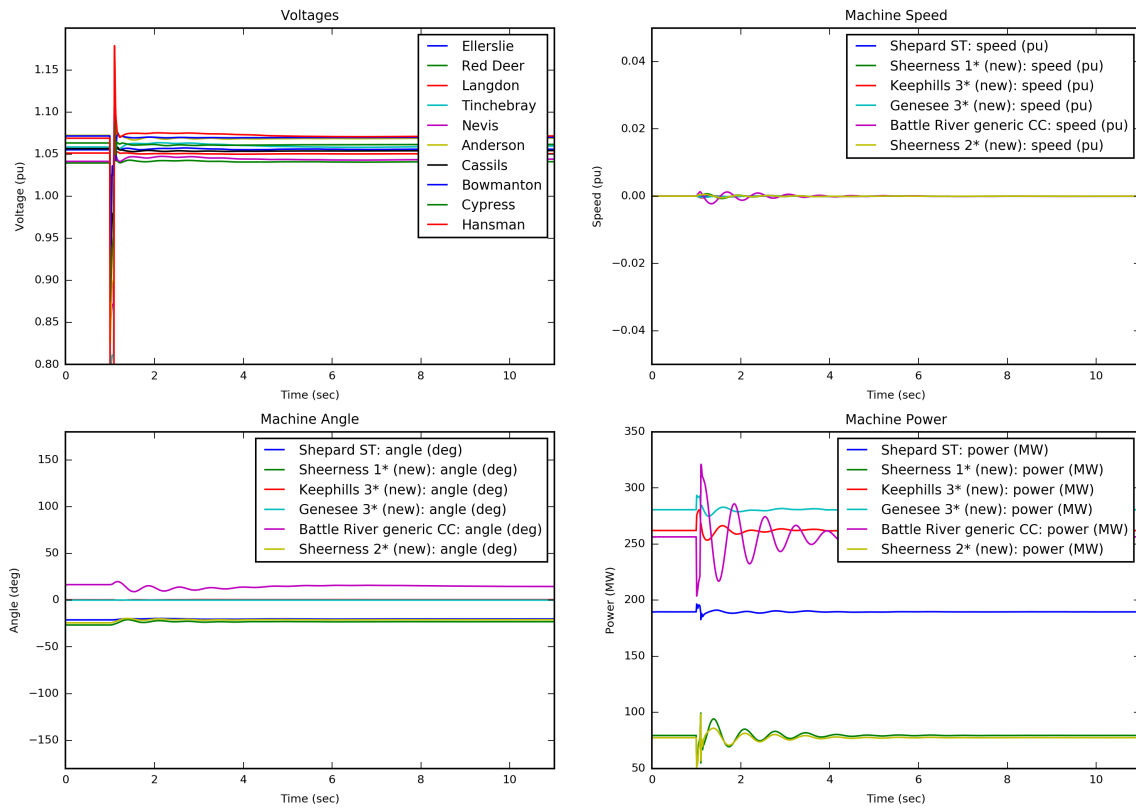
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (Pemukan - New Bridgen) near Pemukan
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (Pemukan - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 146



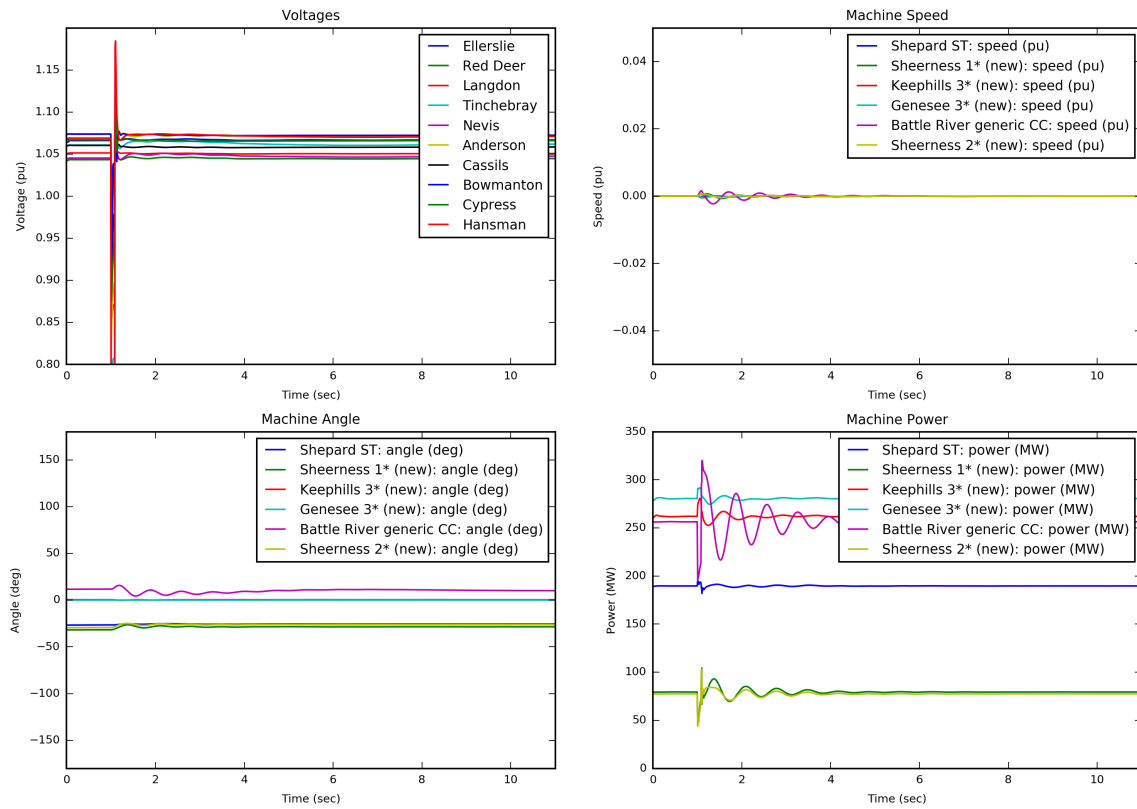
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (Pemukan - New Bridgen) near Pemukan
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (Pemukan - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 147



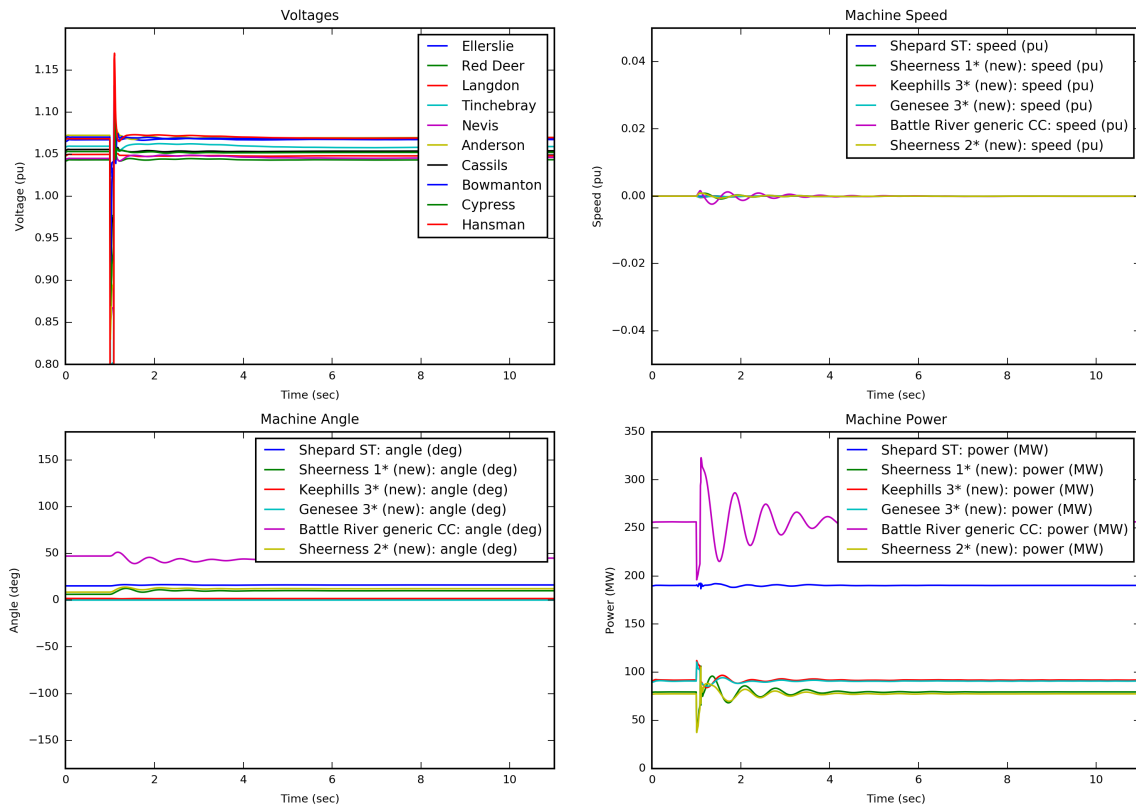
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (Pemukan - New Bridgen) near Pemukan
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (Pemukan - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 148



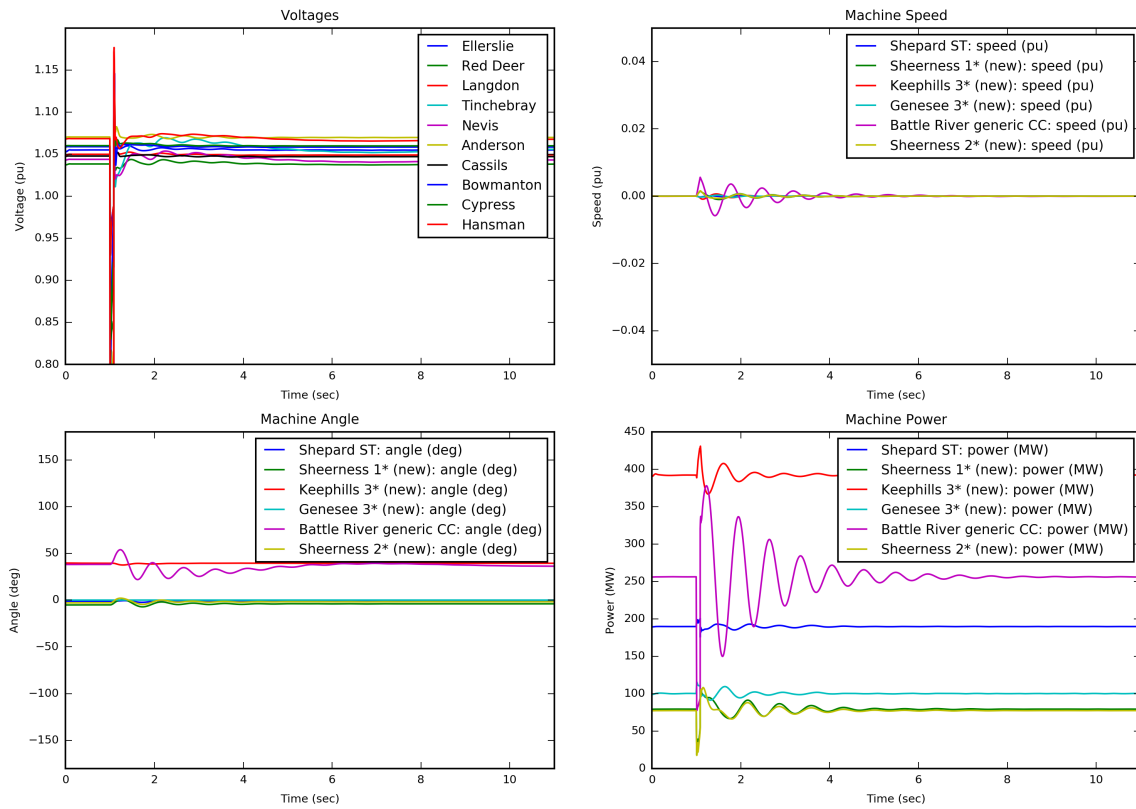
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L51 (Pemukan - New Bridgen) near Pemukan
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L51 (Pemukan - New Bridgen)
- T = 1.1010 s: Fault is cleared

Figure 149



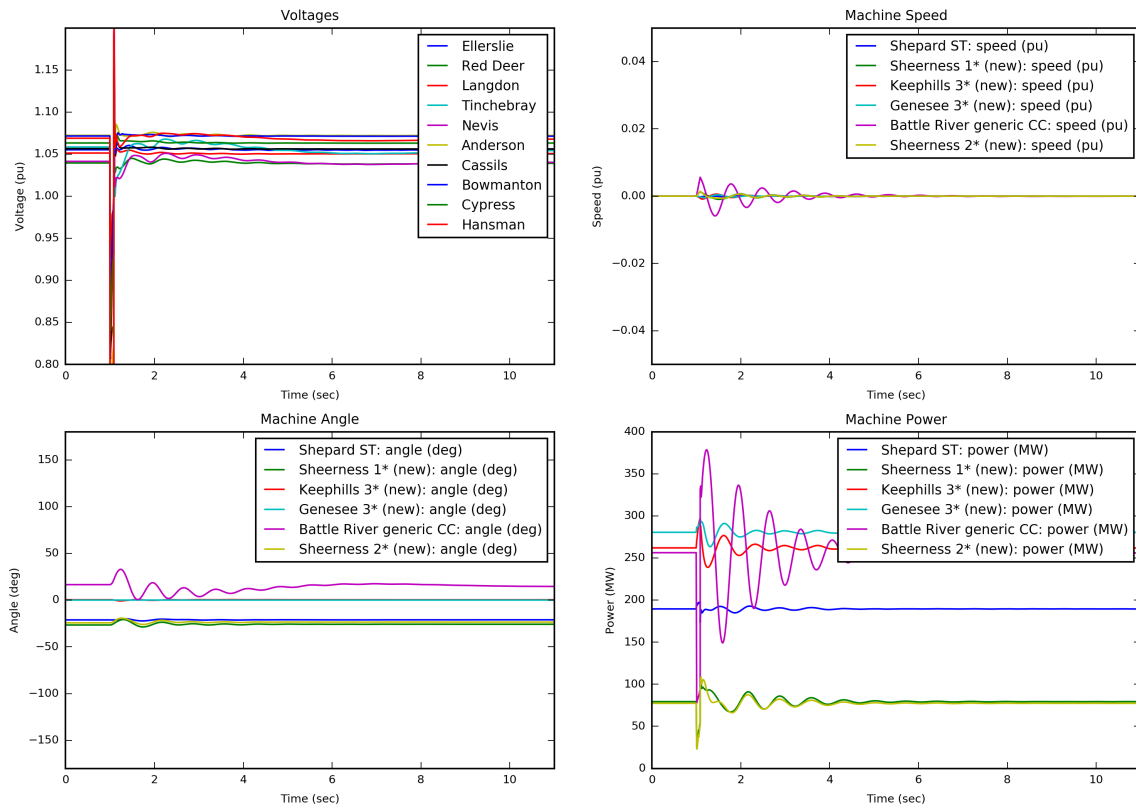
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Tinchebray - Anderson) near Tinchebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Tinchebray - Anderson)
- T = 1.1010 s: Fault is cleared

Figure 150



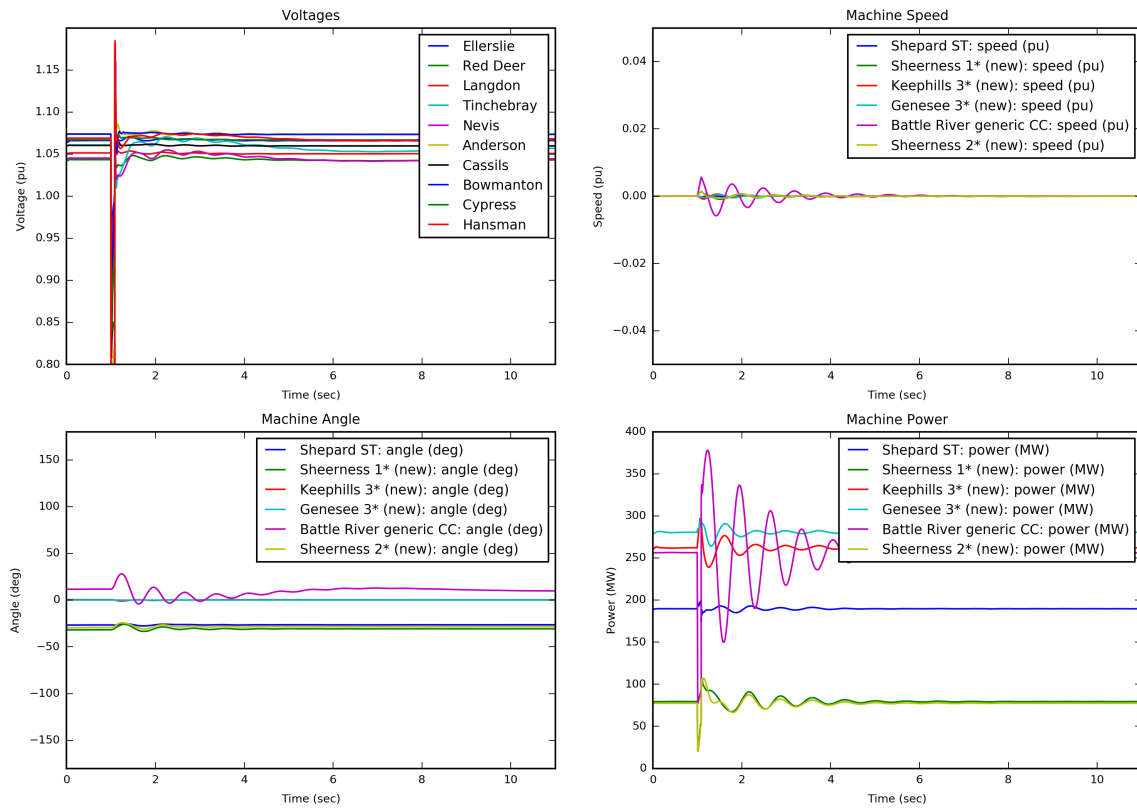
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Tincebray - Anderson) near Tincebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Tincebray - Anderson)
- T = 1.1010 s: Fault is cleared

Figure 151



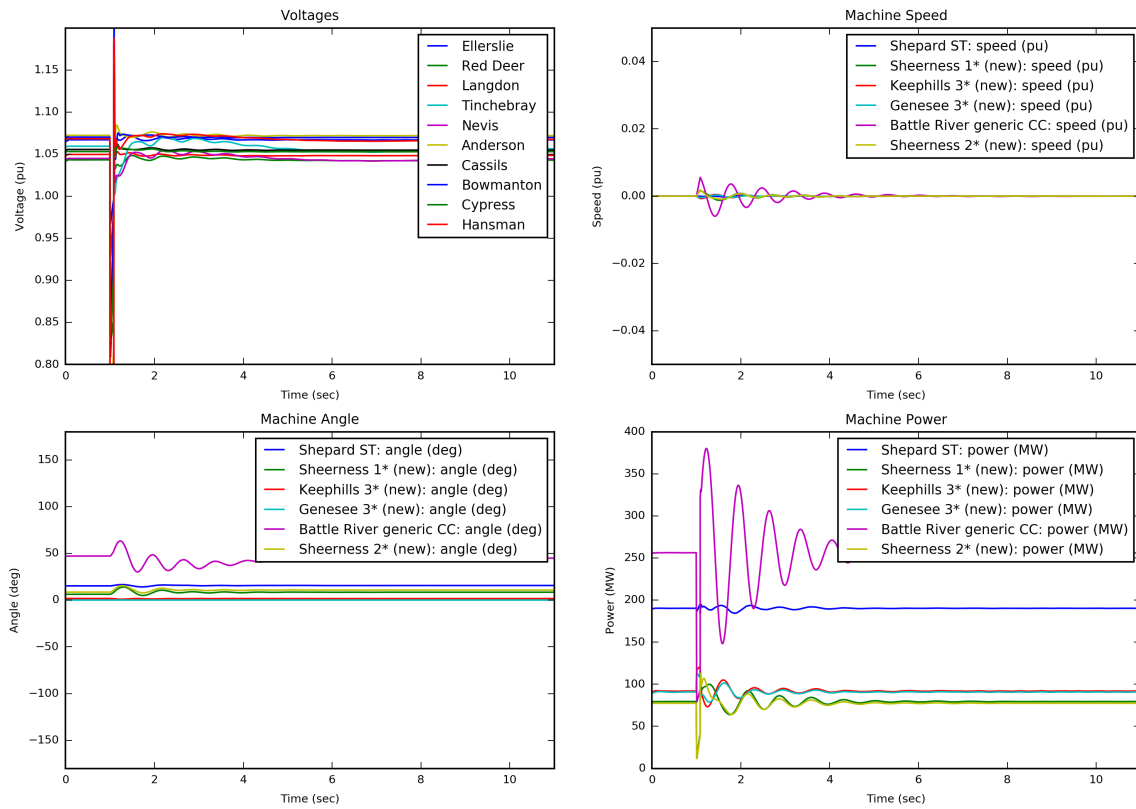
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Tincebray - Anderson) near Tincebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Tincebray - Anderson)
- T = 1.1010 s: Fault is cleared

Figure 152



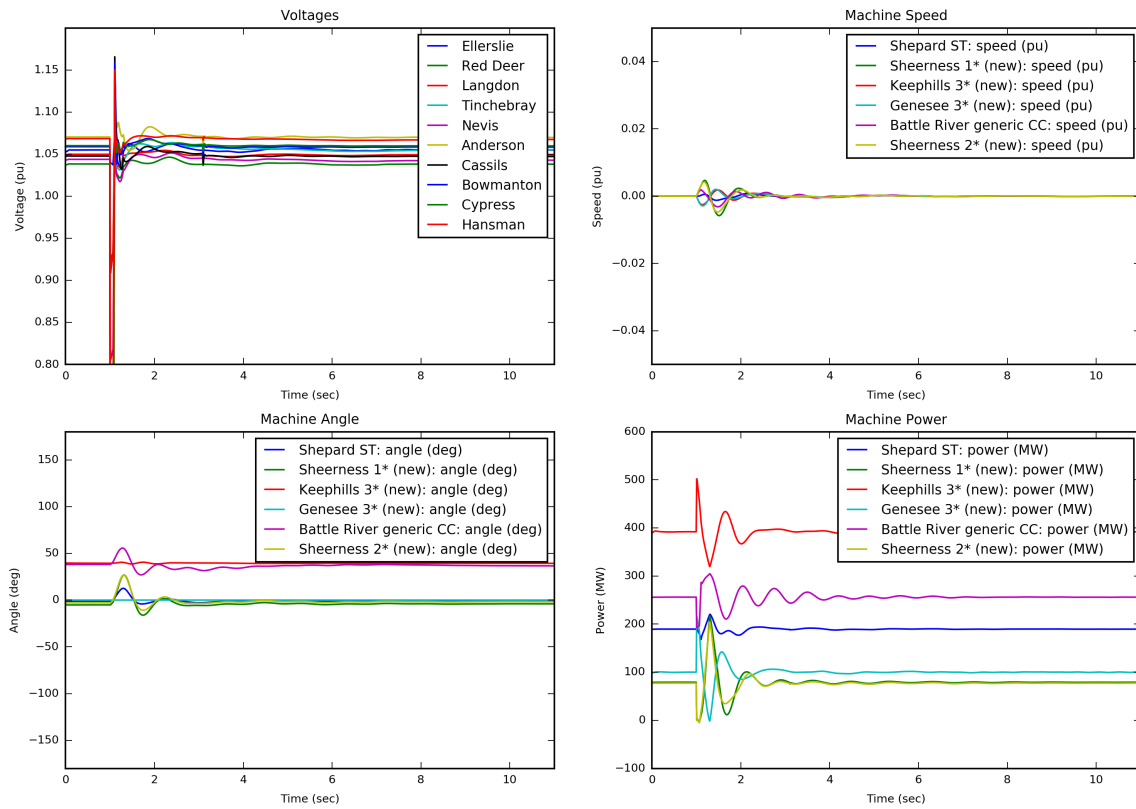
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Tincebray - Anderson) near Tincebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Tincebray - Anderson)
- T = 1.1010 s: Fault is cleared

Figure 153



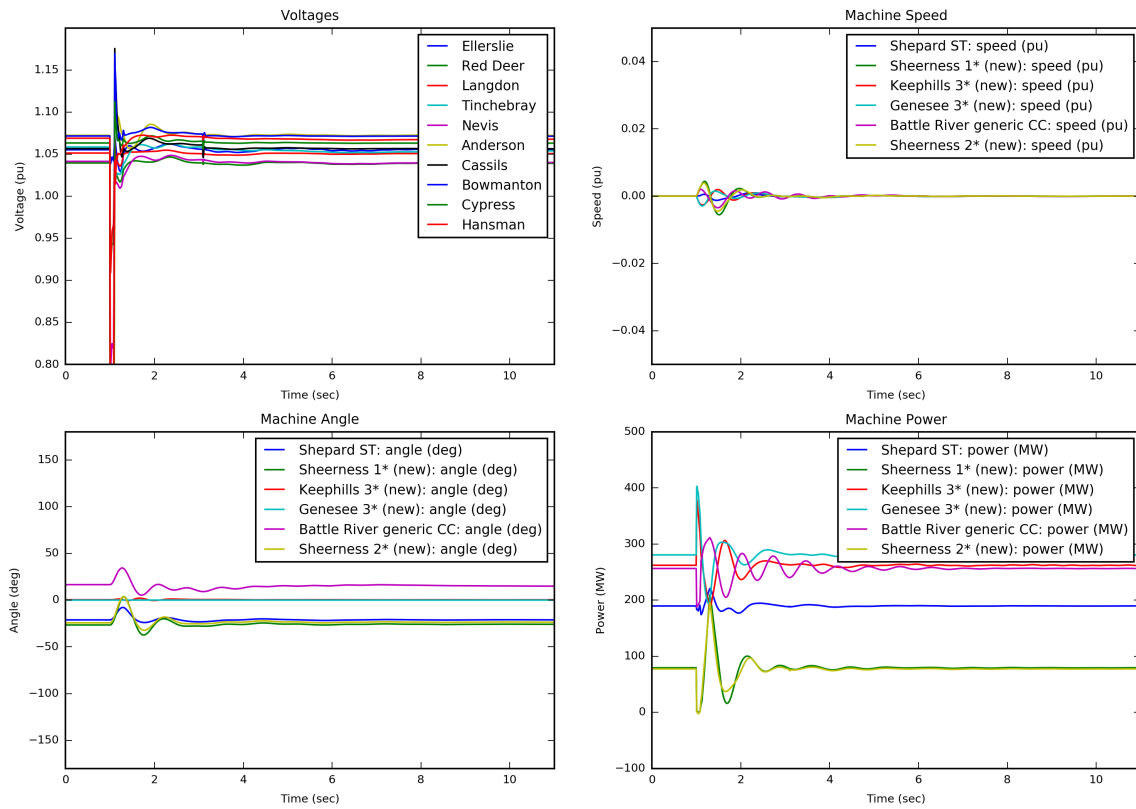
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Anderson - Tinchebray) near Anderson
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Anderson - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 154



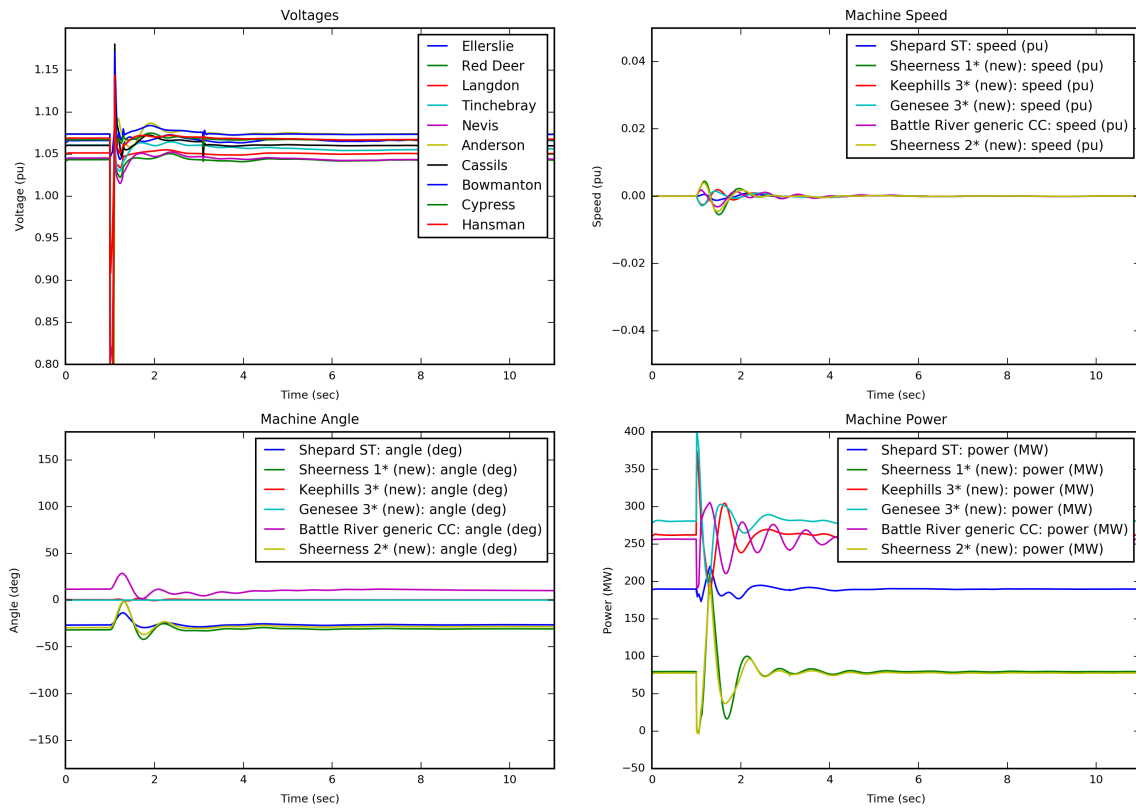
Case Description

— Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Anderson - Tinchebray) near Anderson
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Anderson - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 155



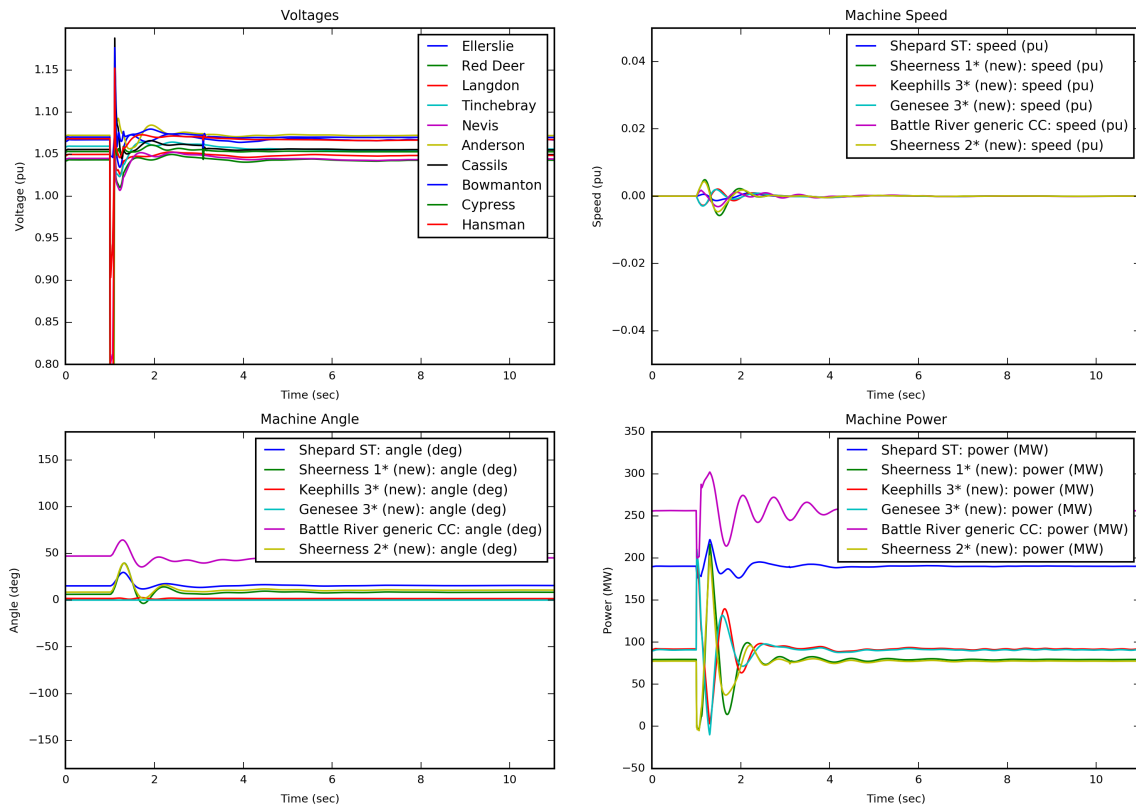
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Anderson - Tinchebray) near Anderson
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Anderson - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 156



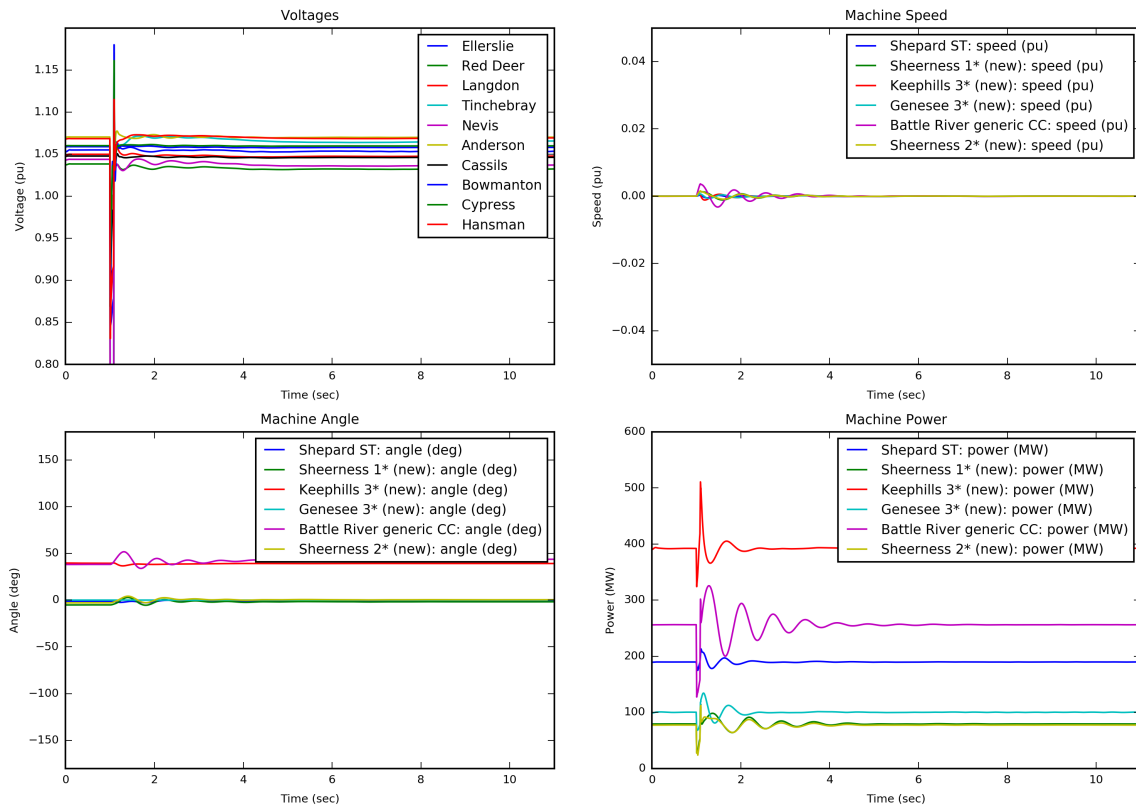
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on 9L59 (Anderson - Tinchebray) near Anderson
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped 9L59 (Anderson - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 157



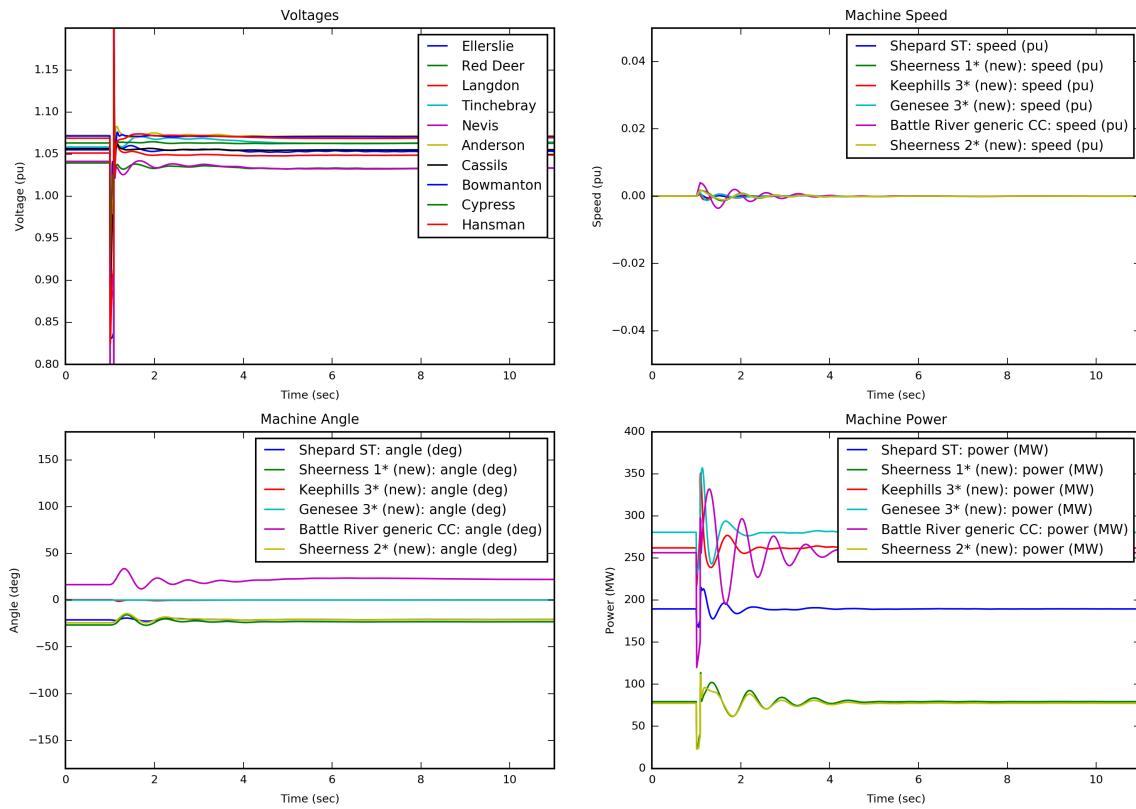
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Tinchebray - Gaetz) near Tinchebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Tinchebray - Gaetz)
- T = 1.1010 s: Fault is cleared

Figure 158



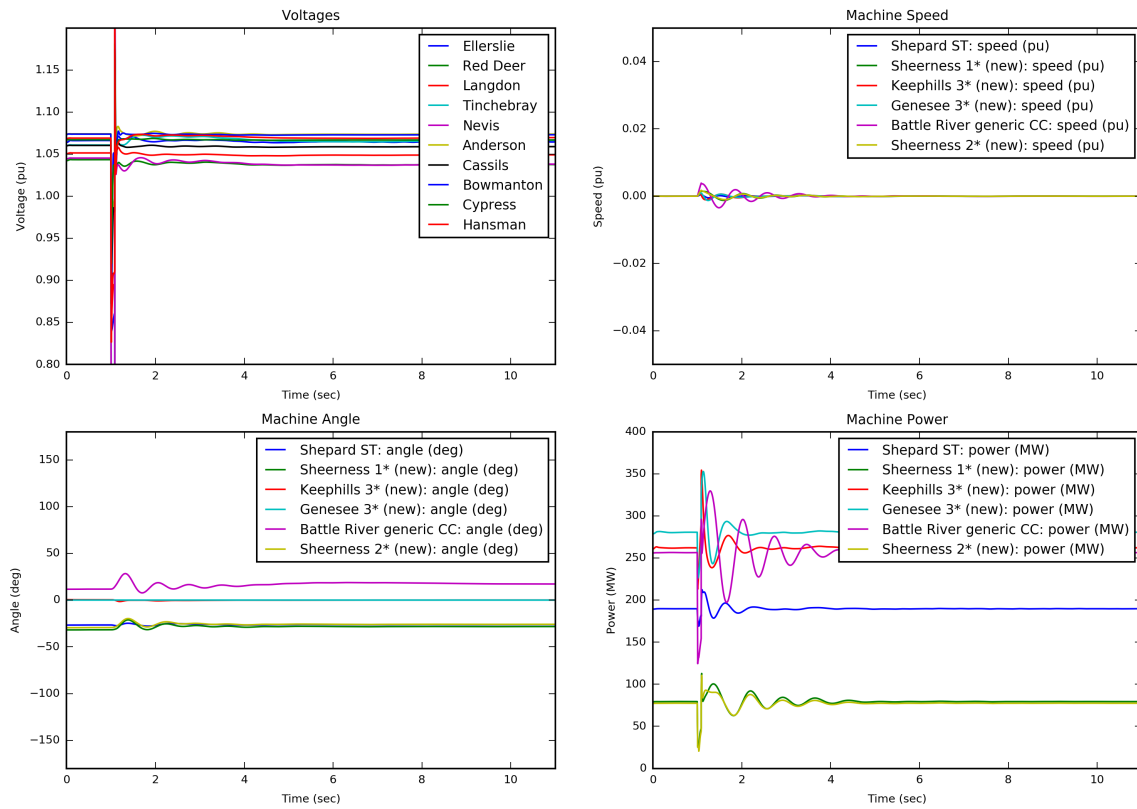
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Tinchebray - Gaetz) near Tinchebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Tinchebray - Gaetz)
- T = 1.1010 s: Fault is cleared

Figure 159



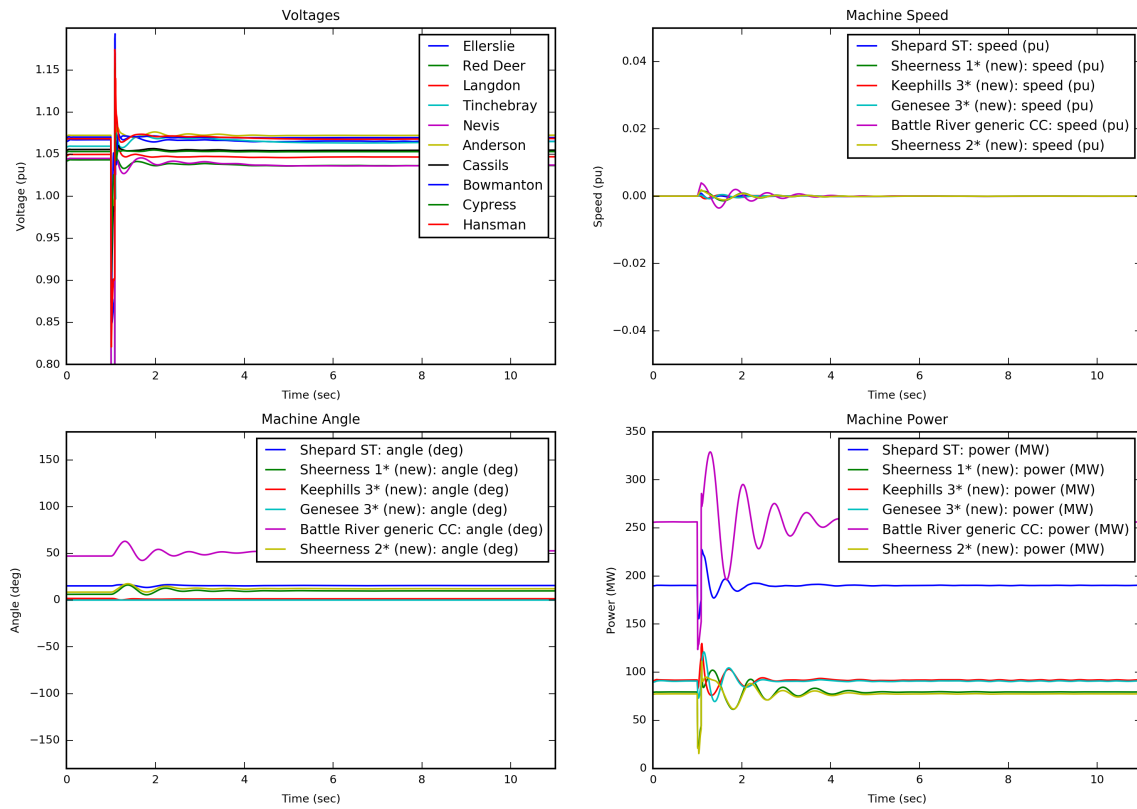
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Tinchebray - Gaetz) near Tinchebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Tinchebray - Gaetz)
- T = 1.1010 s: Fault is cleared

Figure 160



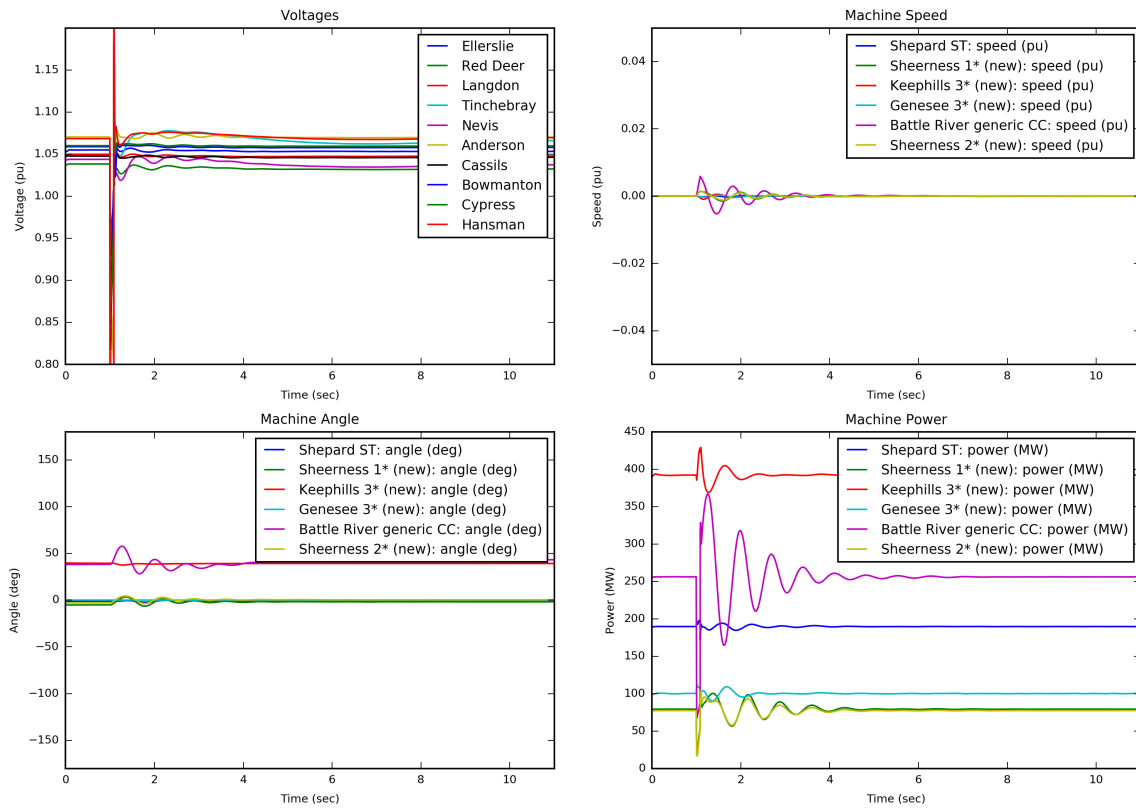
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Tinchebray - Gaetz) near Tinchebray
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Tinchebray - Gaetz)
- T = 1.1010 s: Fault is cleared

Figure 161



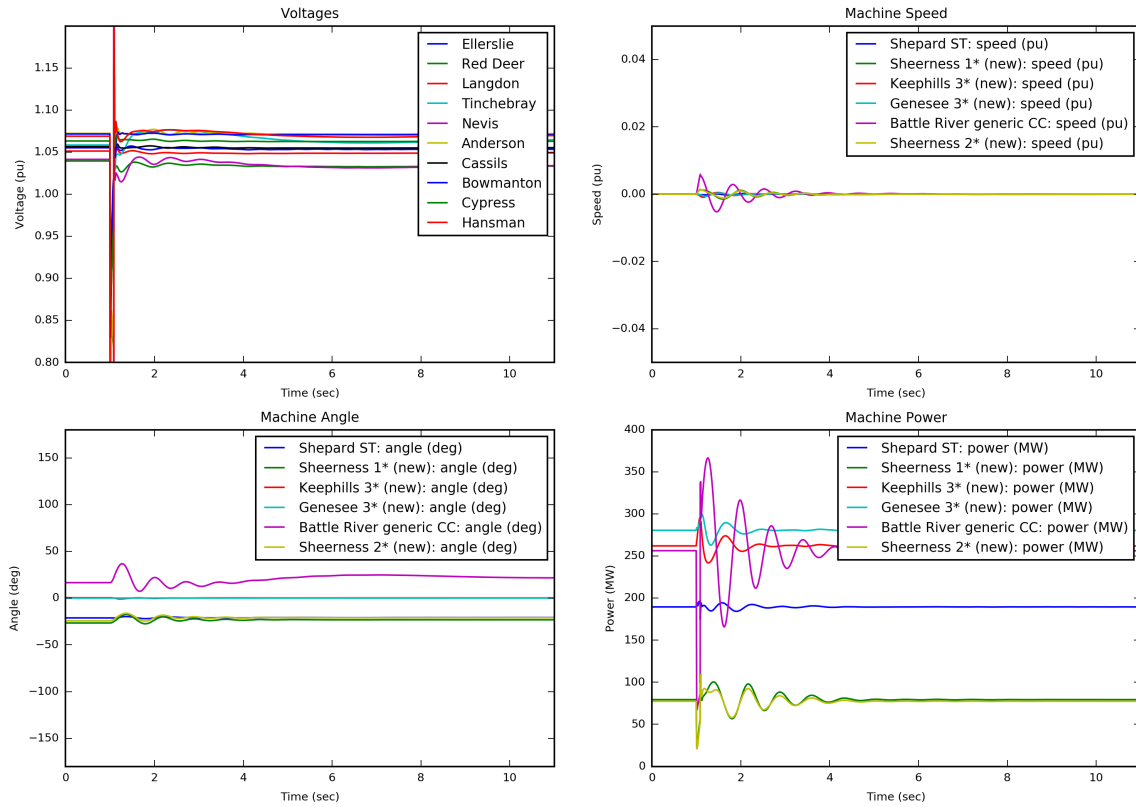
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Gaetz - Tinchebray) near Gaetz
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Gaetz - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 162



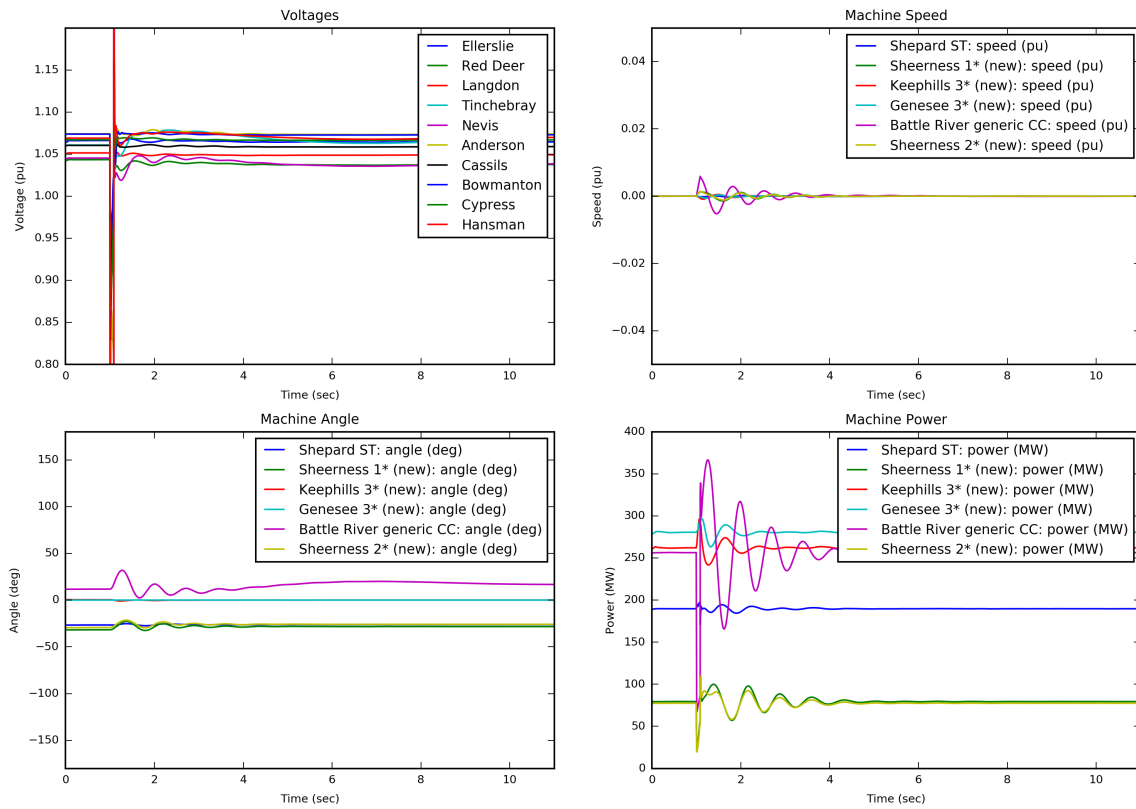
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Gaetz - Tinchebray) near Gaetz
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Gaetz - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 163



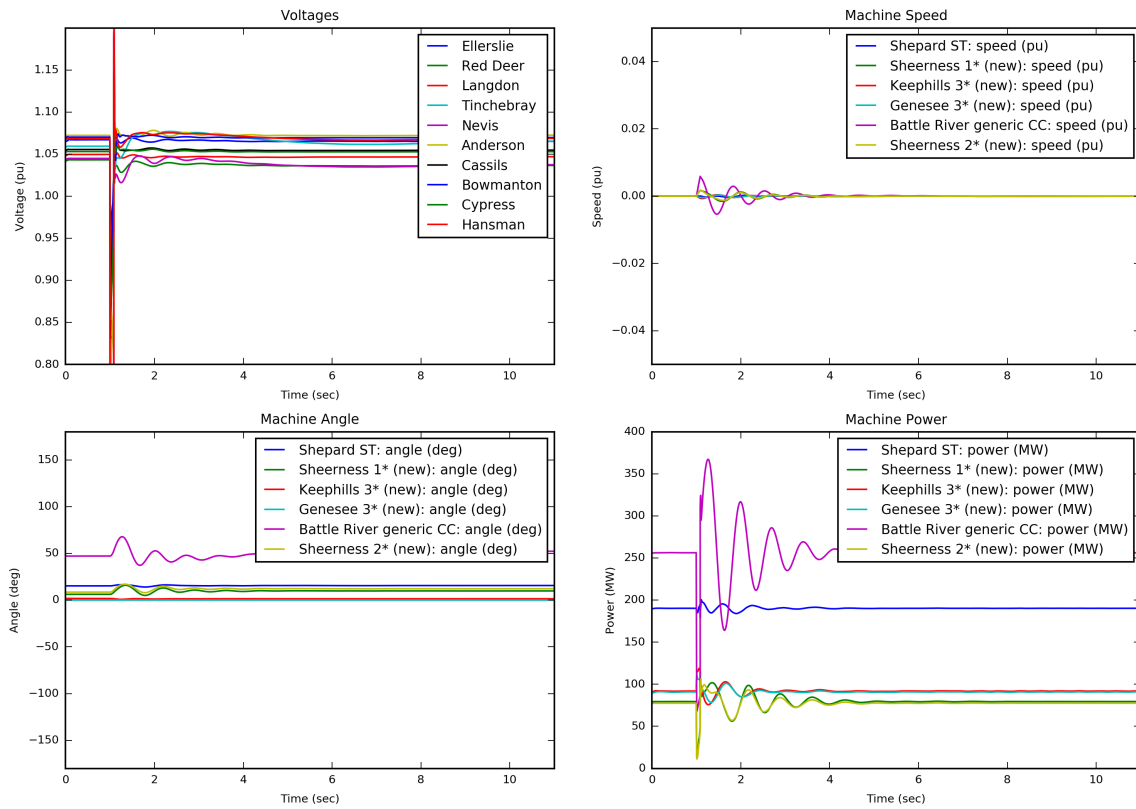
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Gaetz - Tinchebray) near Gaetz
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Gaetz - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 164



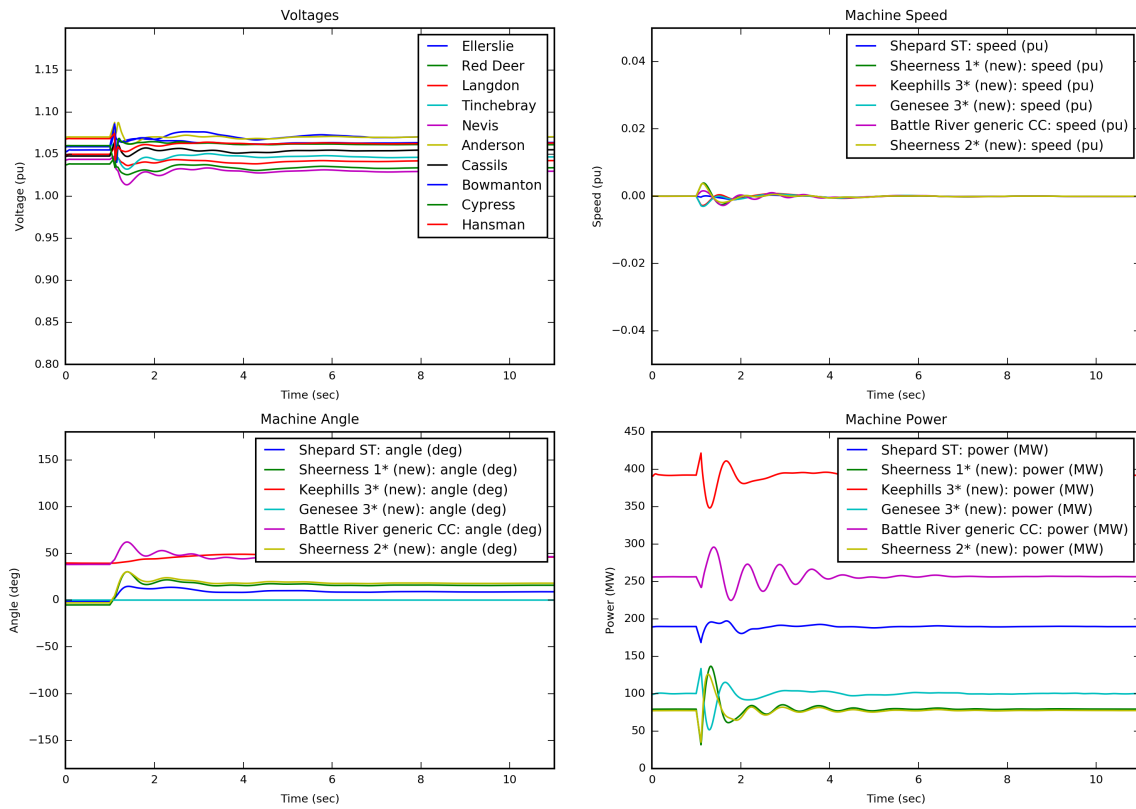
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault on CETO1 (Gaetz - Tinchebray) near Gaetz
- T = 1.0860 s: Opened near end breaker
- T = 1.1010 s: Tripped CETO1 (Gaetz - Tinchebray)
- T = 1.1010 s: Fault is cleared

Figure 165



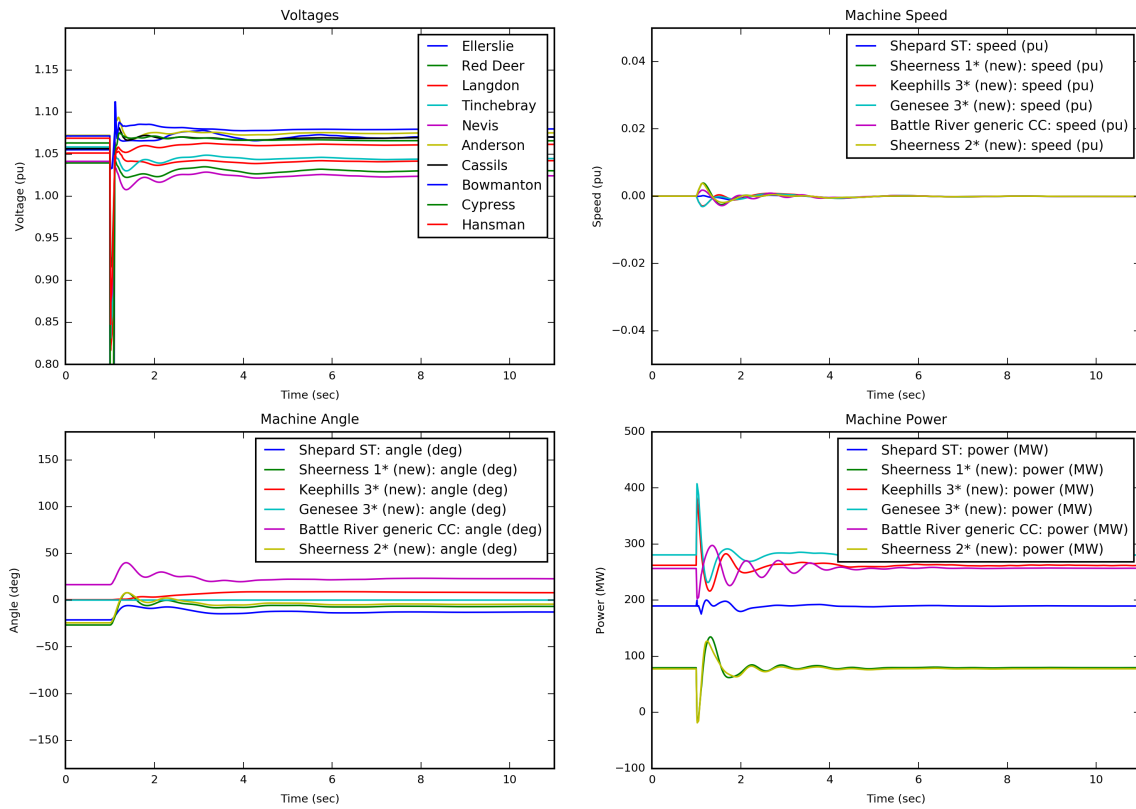
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Newell
- T = 1.0860 s: Blocked EATL

Figure 166



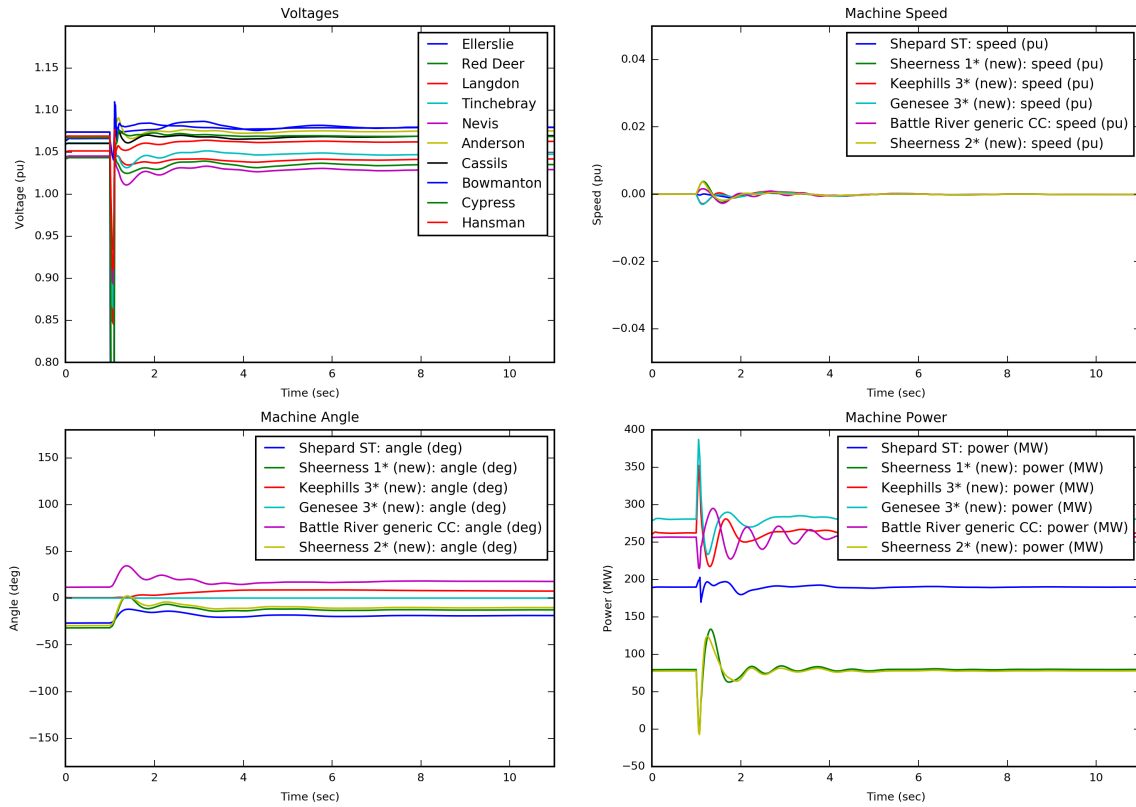
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Newell
- T = 1.0860 s: Blocked EATL

Figure 167



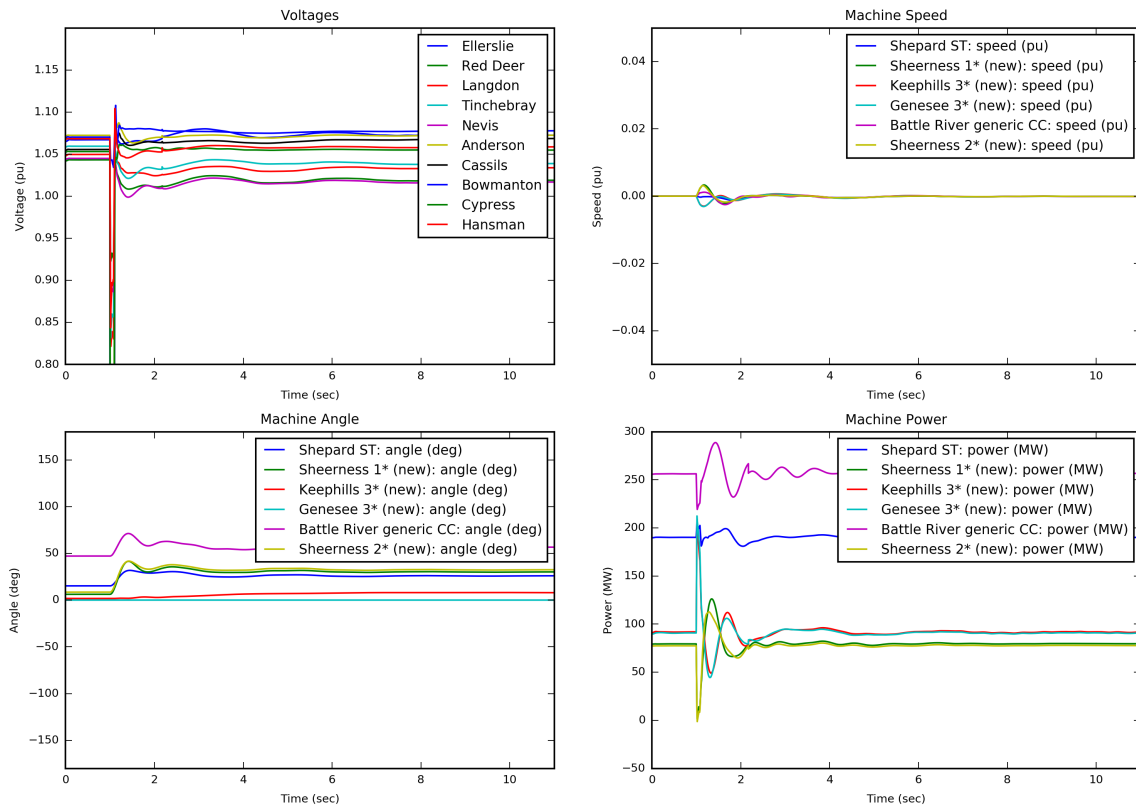
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Newell
- T = 1.0860 s: Blocked EATL

Figure 168



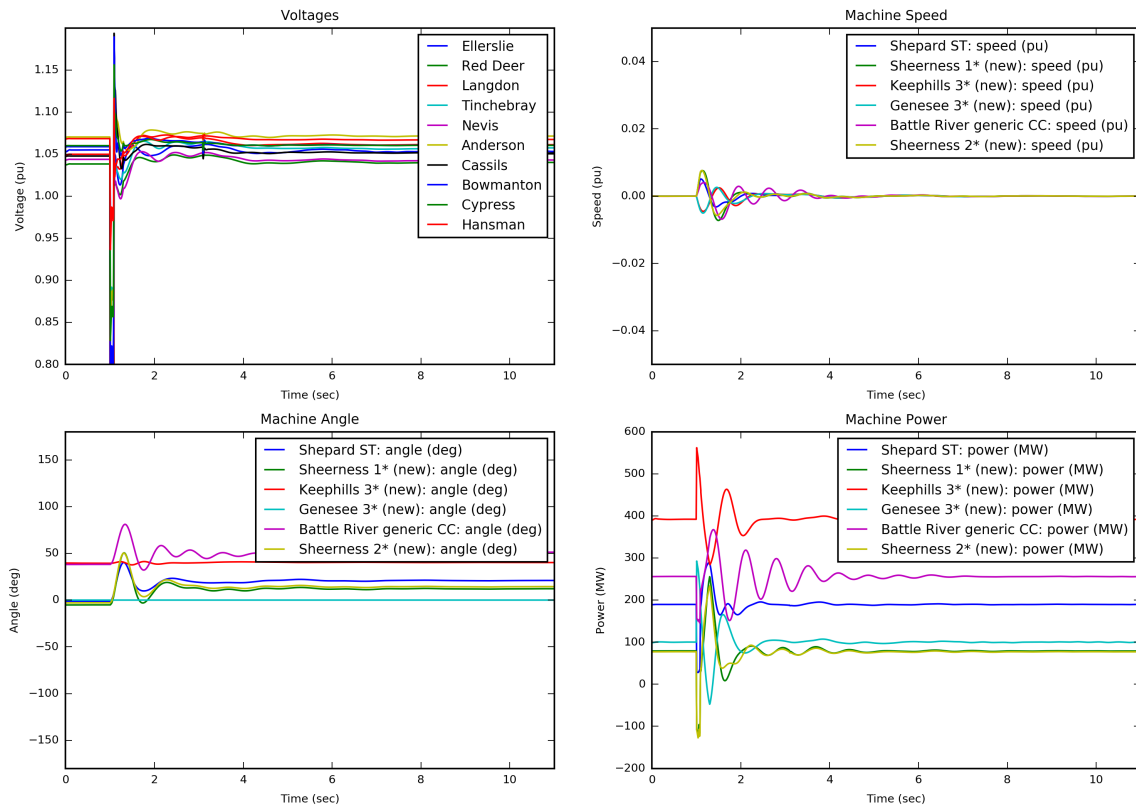
Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Newell
- T = 1.0860 s: Blocked EATL
- T = 2.1720 s: 174L thermal RAS activated
- T = 2.1720 s: Tripped 174L

Figure 169



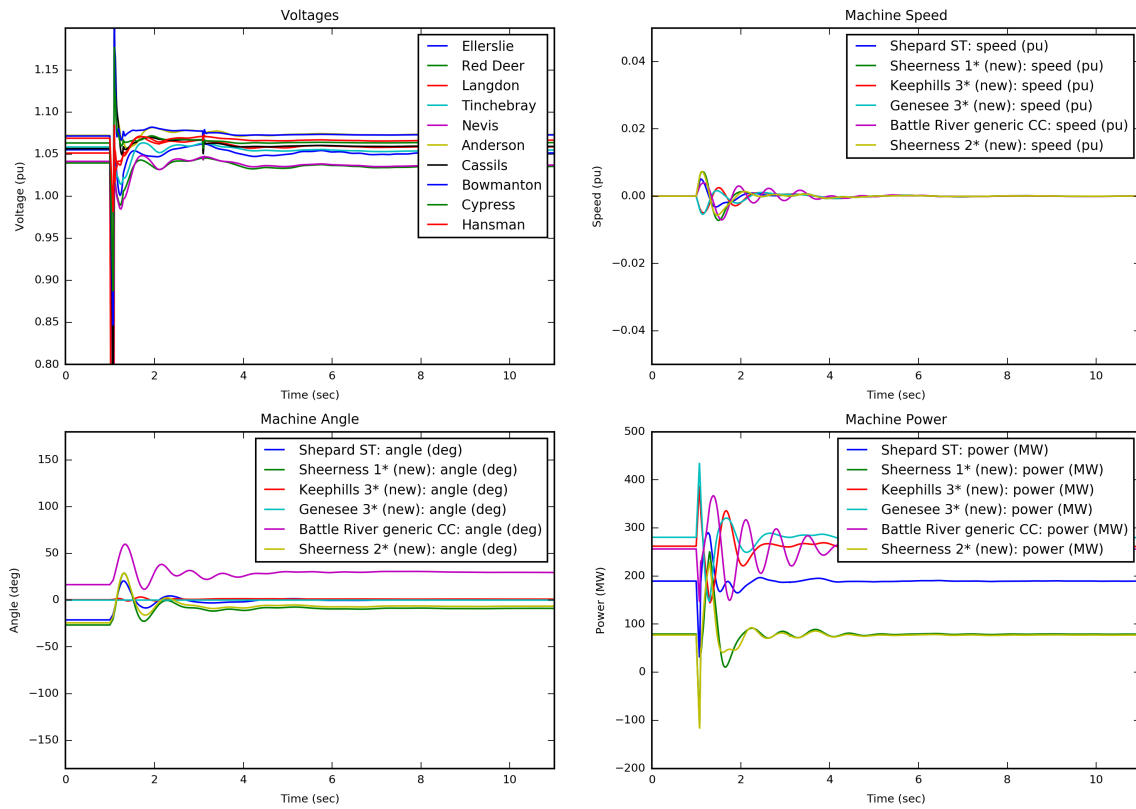
Case Description

- Study case: 2031 M14; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Crossings
- T = 1.0860 s: Blocked WATL

Figure 170



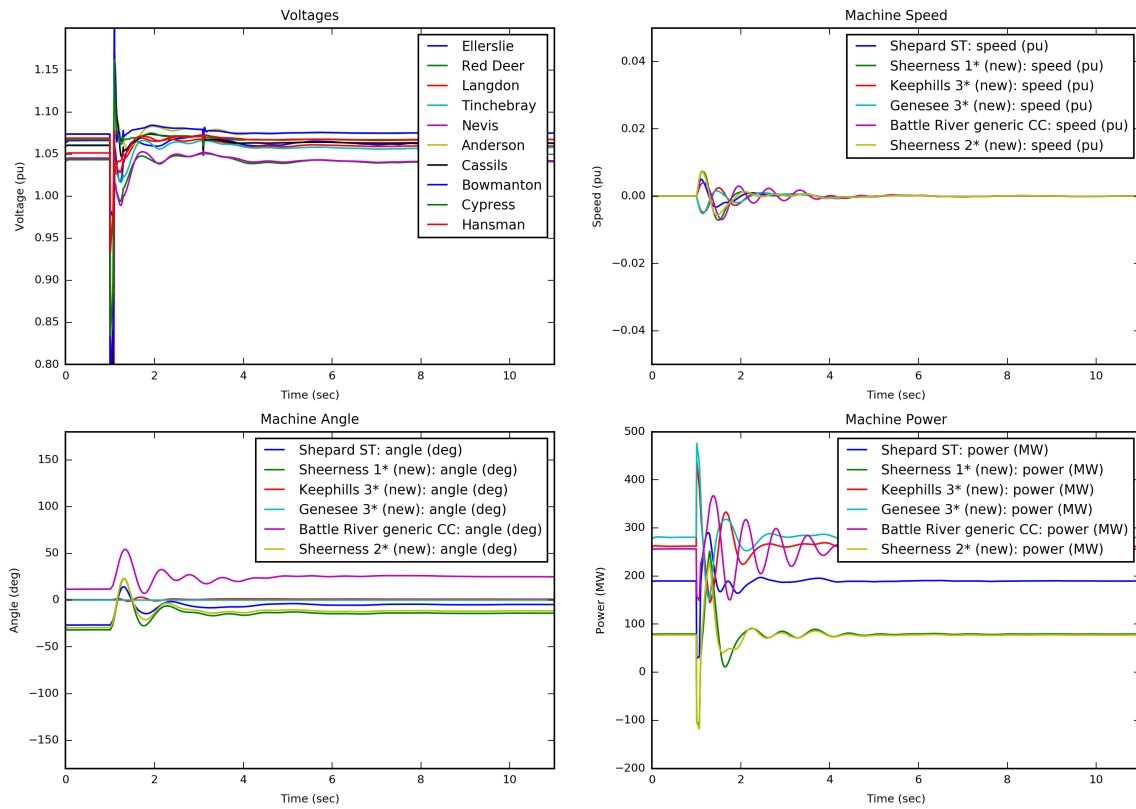
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Crossings
- T = 1.0860 s: Blocked WATL

Figure 171



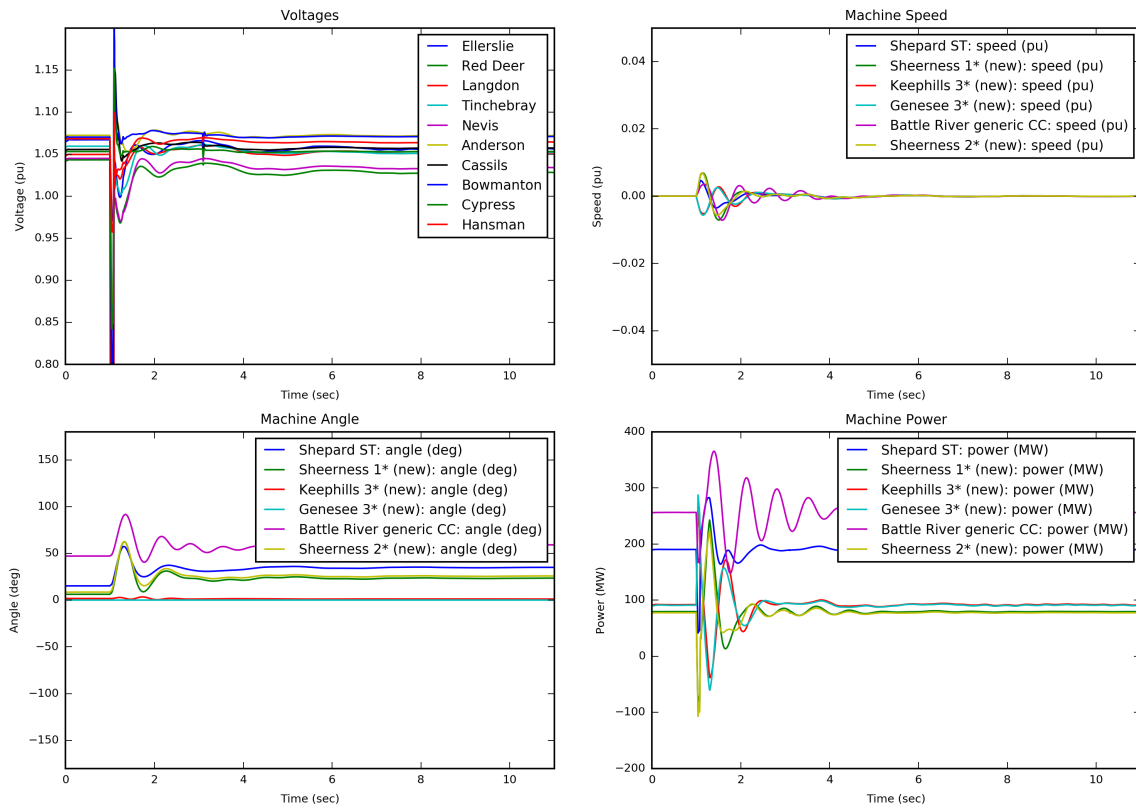
Case Description

- Study case: 2031 M12; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Crossings
- T = 1.0860 s: Blocked WATL

Figure 172



Case Description

- Study case: 2031 M11; CRPC and CETO Circuits

Event Description

- T = 1.0020 s: Applied 3-ph fault at Crossings
- T = 1.0860 s: Blocked WATL