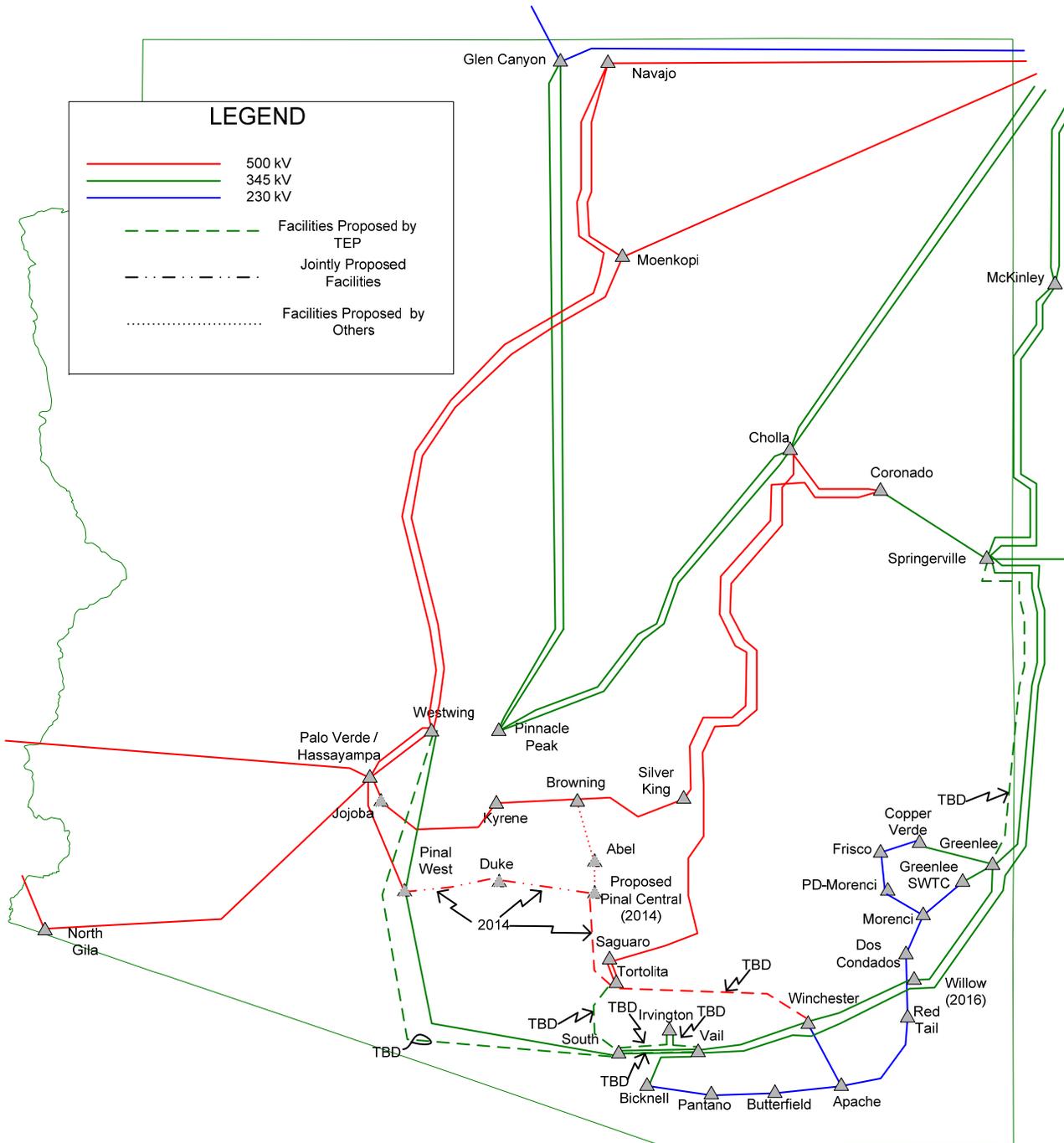


Ten Year Transmission Plan
Presented to the
Arizona Corporation Commission
7th BTA Workshop No. 1

July 10, 2012

Ron Belval
Tucson Electric Power



TEP EHV TRANSMISSION PROJECTS

Completed Projects

Tortolita 500/138kV Transformer #3

Advanced Projects (Referenced to January 2011 Filing)

Series Capacitor Replacement at Vail Substation (SP-VL) (2015 → 2013)

Unchanged Projects (Referenced to January 2011 Filing)

Vail 345/138kV Transformer #3 (2012)

Vail 345kV Bus Tie (2012)

Tortolita 500kV Switchyard (2013)

Pinal Central – Tortolita 500kV Project (2014)

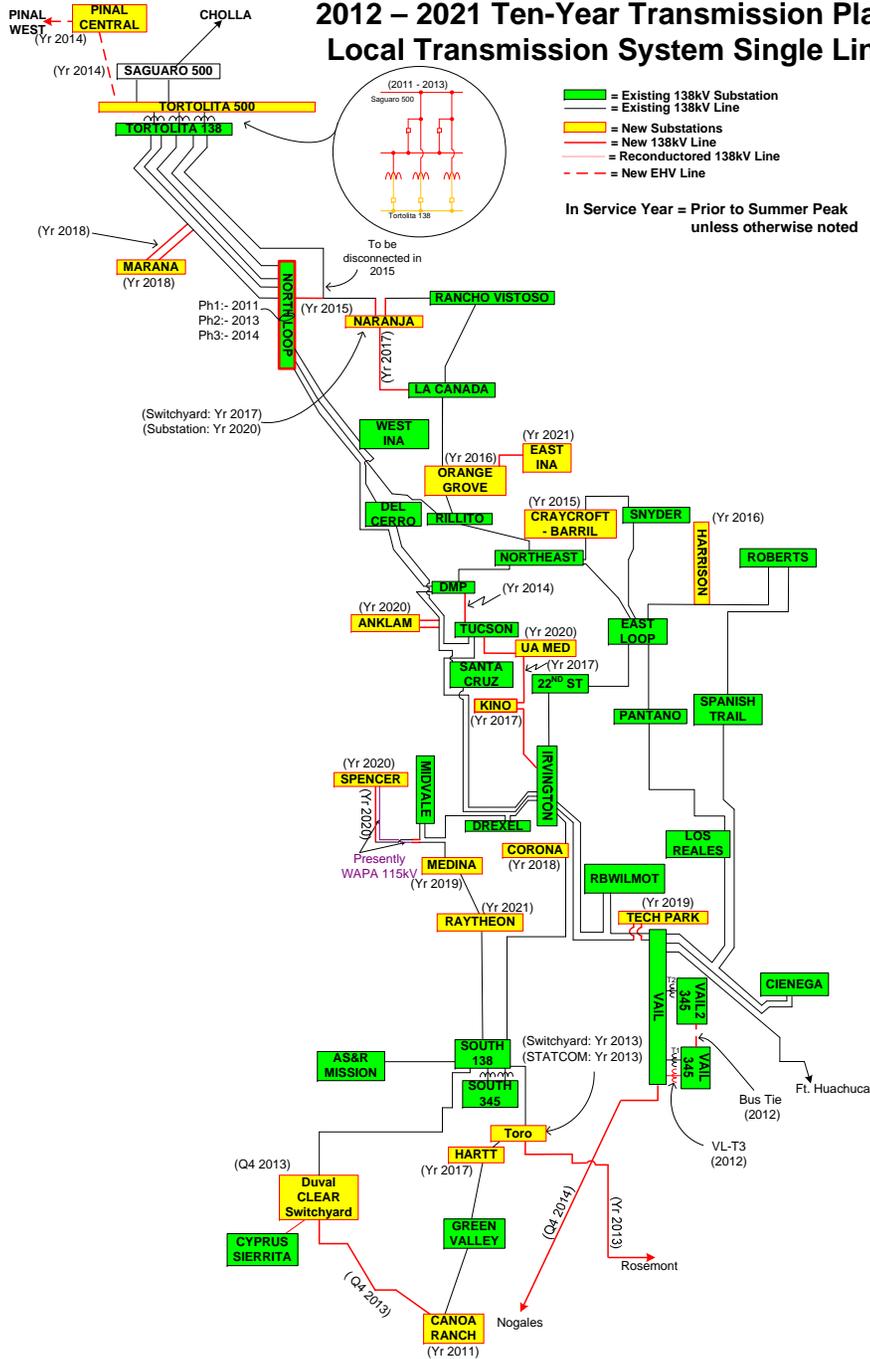
Series Capacitor Replacement at Vail 345kV Substation (WN-VL) (2015)

Deferred Projects (Referenced to January 2011 Filing)

Connection to Vail – Valencia 115kV to 138kV Conversion (2012 → Q4 2014)

All “Conceptual Projects” are designated as “TBD”

Tucson Electric Power Company 2012 – 2021 Ten-Year Transmission Plan Local Transmission System Single Line

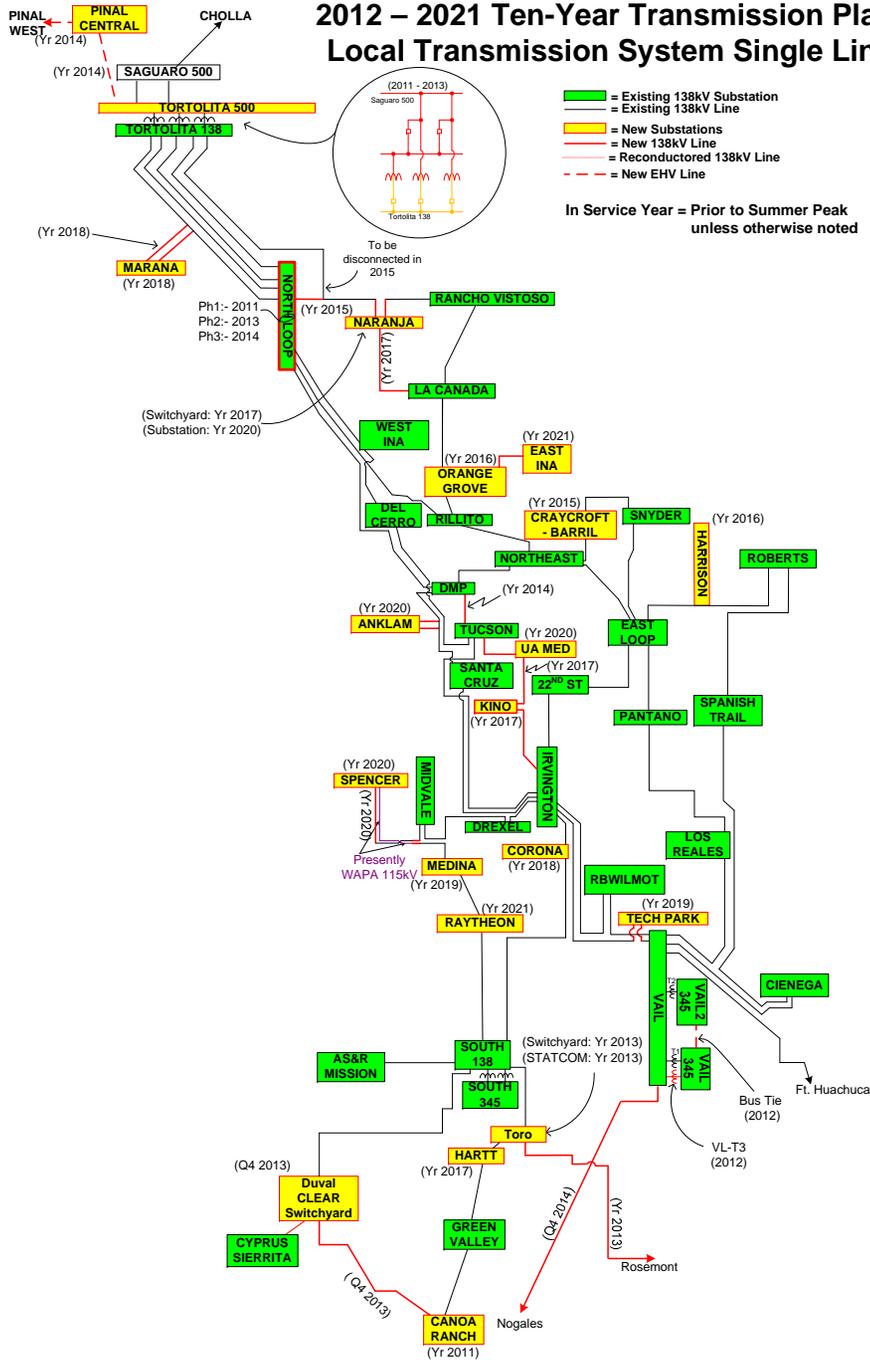


TEP HV TRANSMISSION PROJECTS

Deferred Projects (Referenced to January 2011 Filing)

- Vail – Valencia 115kV to 138kV Conversion (2012 → Q4 2014)
- Duval CLEAR Switchyard (2013 → Q4 2013)
- Canoa Ranch – Duval CLEAR Circuit (2013 → Q4 2013)
- DMP- Tucson 138kV Line (2013 → 2014)
- Craycroft Barril Substation (2013 → 2015)
- Harrison Substation (2013 → 2016)
- Orange Grove Substation (2014 → 2016)
- Anklam Substation (2016 → 2020)
- East Ina Substation (2017 → 2021)
- Orange Grove – East Ina Transmission Line (2017 → 2021)
- Medina Substation (2018 → 2019)
- Marana Substation (2016 → 2018)
- Spencer Substation (2016 → 2020)
- UA Tech Park Substation (2016 → 2019)
- Corona Substation (2016 → 2018)
- Raytheon Substation (2019 → 2021)
- UA Med Substation (2019 → 2020)
- Rosemont POI (Toro) & Transmission Line (2012 → 2013)
- North Loop Yard Reconfiguration (PH2 & PH3) (2012/13 → 2013/14)

Tucson Electric Power Company 2012 – 2021 Ten-Year Transmission Plan Local Transmission System Single Line



TEP HV TRANSMISSION PROJECTS

Downgraded [Planned → Conceptual] Projects (Referenced to January 2011 Filing)

Irvington – 22nd St. (2012 → TBD)

Northeast – Rillito (2014 → TBD)

La Canada – Rancho Vistoso (2017 → TBD)

North Loop – Rillito (2017 → TBD)

Rancho Vistoso – La Canada (2017 → TBD)

DMP – Northeast (2018 → TBD)

Irvington – Tech Park – Vail (2020 → TBD)

Los Reales – Vail (2020 → TBD)

Los Reales – Pantano (2020 → TBD)

Note: Downgraded projects are previously planned reconductor projects that deferred by less significant improvements such as removal of distribution under-build to achieve acceptable ground clearance, etc.