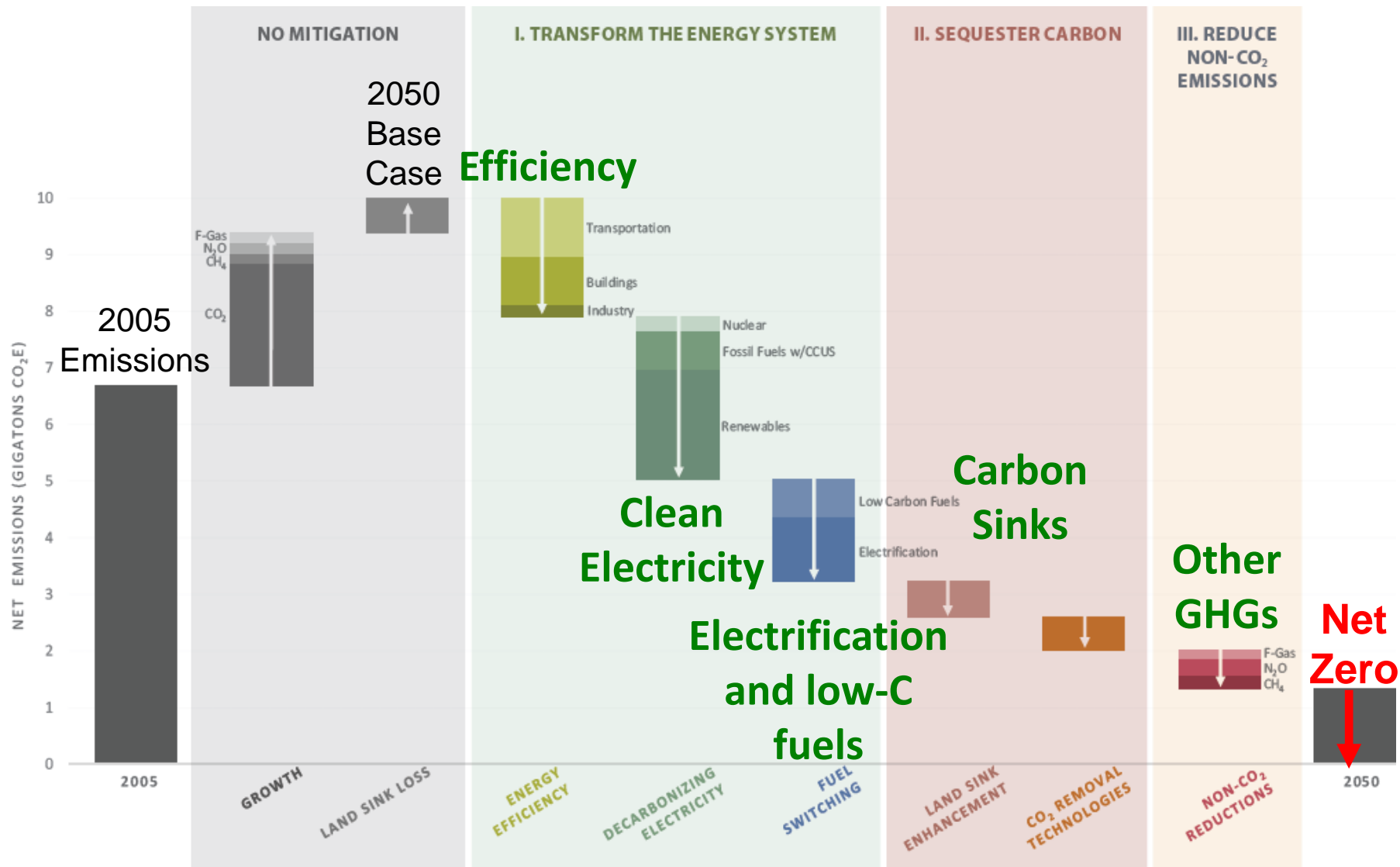
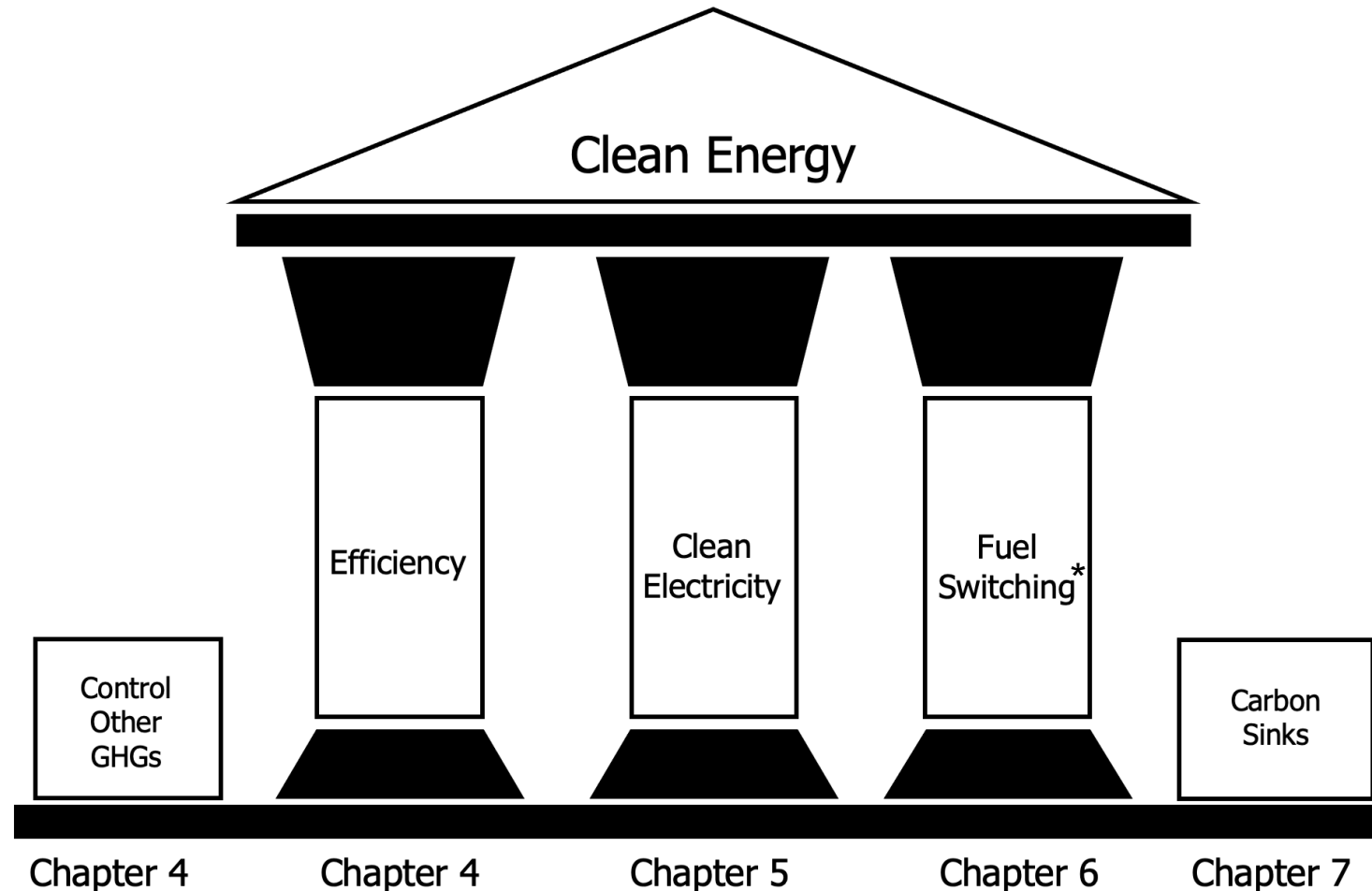


Steps toward decarbonization and net zero



[United States Mid-Century Strategy for Deep Decarbonization \(White House, Nov. 2016\)](#)

Pillars for clean energy, plus need to control other GHGs and create carbon sinks

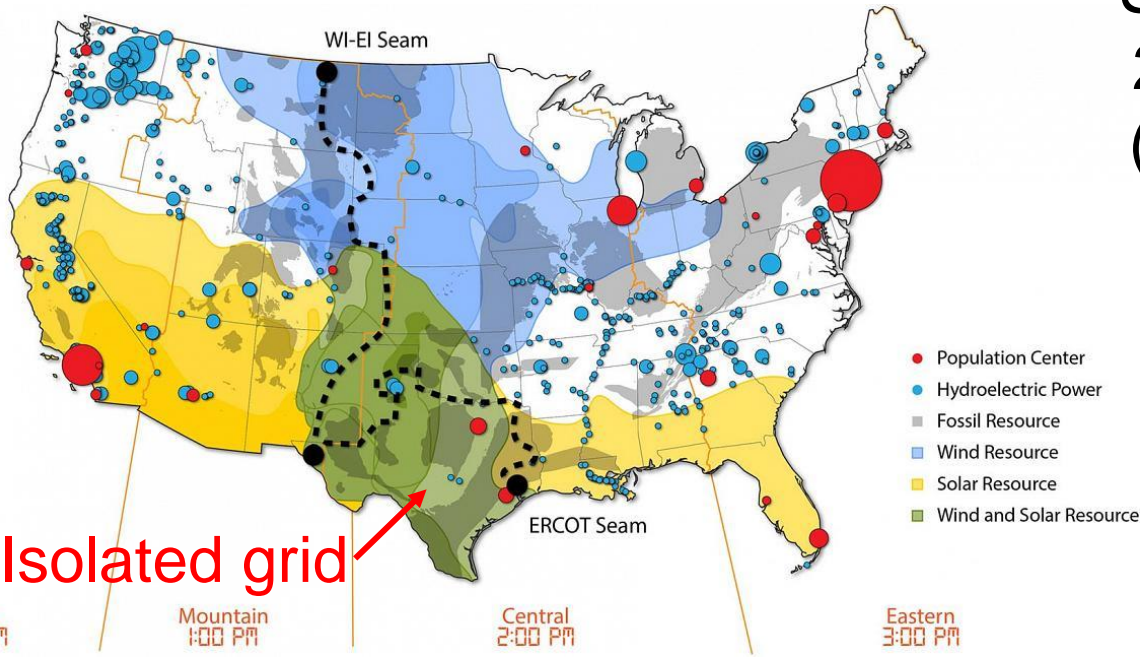


**(Electrification
and clean fuels)*

Pillars of Decarbonization in Texas

- **Efficiency:** Untapped opportunities
- **Clean electricity:** Leader in wind; fast-growing solar
 - Innovation in solar, geothermal, and offshore wind
- **Fuel switching:** Opportunities to electrify vehicles, etc
 - Innovation in biofuels, hydrogen, and EVs
- **Other greenhouse gases:** Control methane leaks
- **Carbon sinks:** Innovation, infrastructure, and geology for sequestration

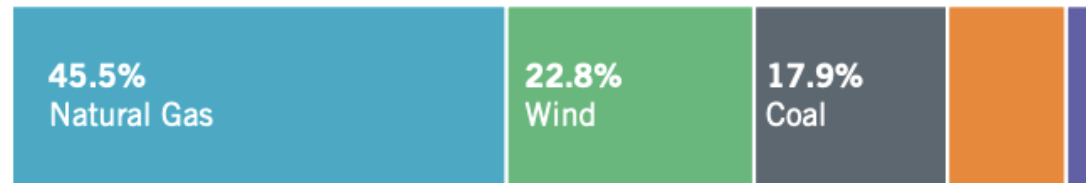
Electricity in ERCOT



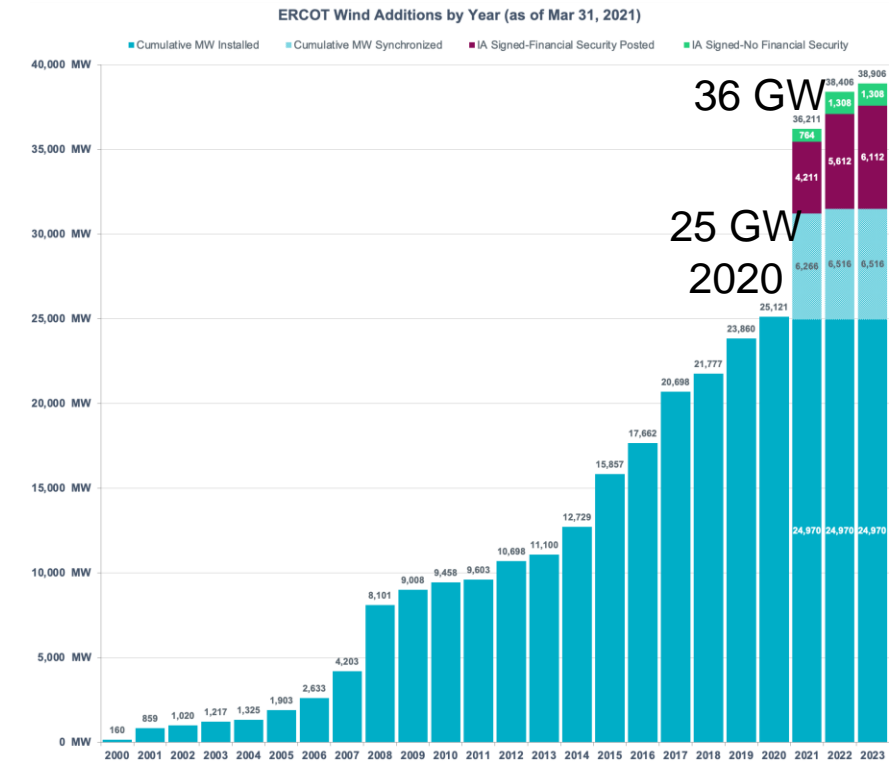
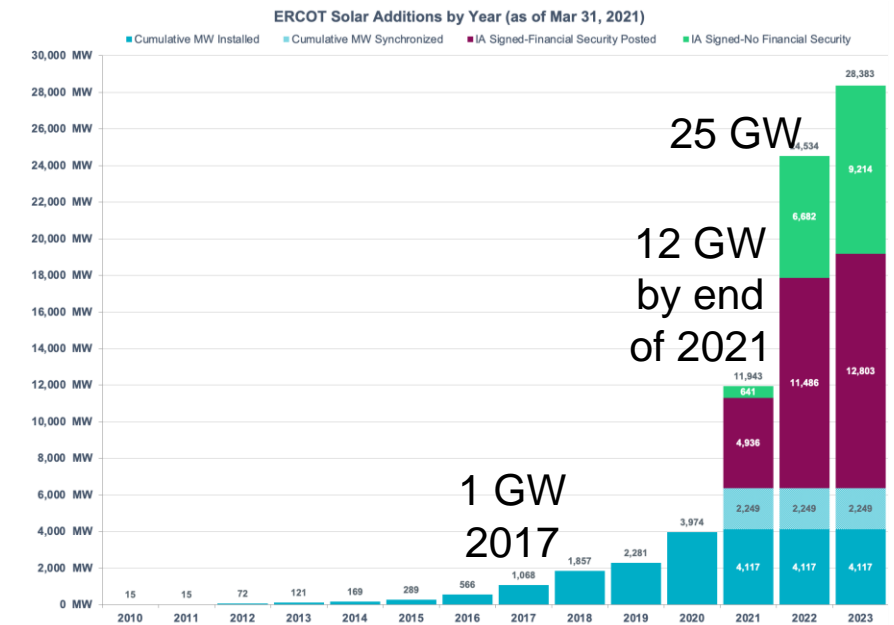
Solar growing
2-3x per year
(record pace)

Wind large
and growing

2020 Energy Use

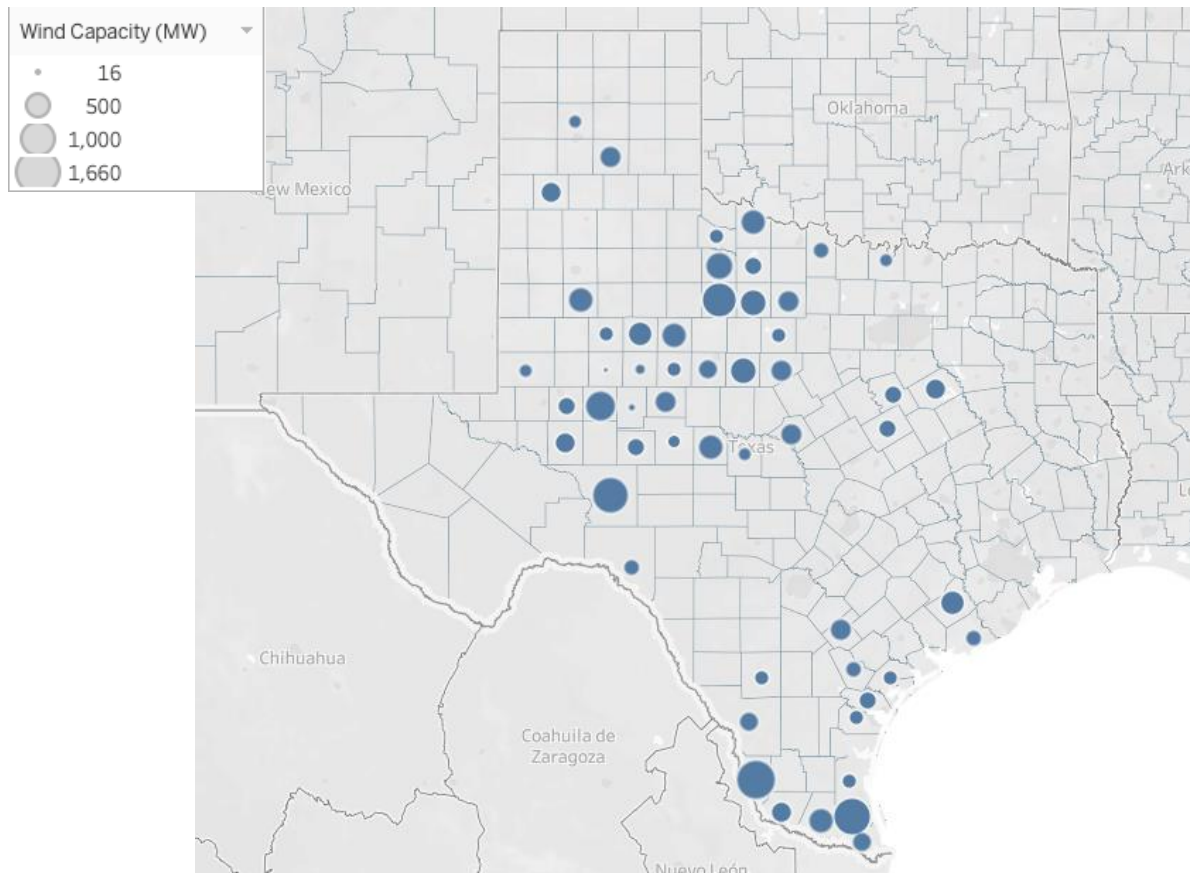


*Other includes solar, hydro, petroleum coke, biomass, landfill gas, distillate fuel oil, net DC-tie and Block Load Transfer imports/exports and an adjustment for wholesale storage load

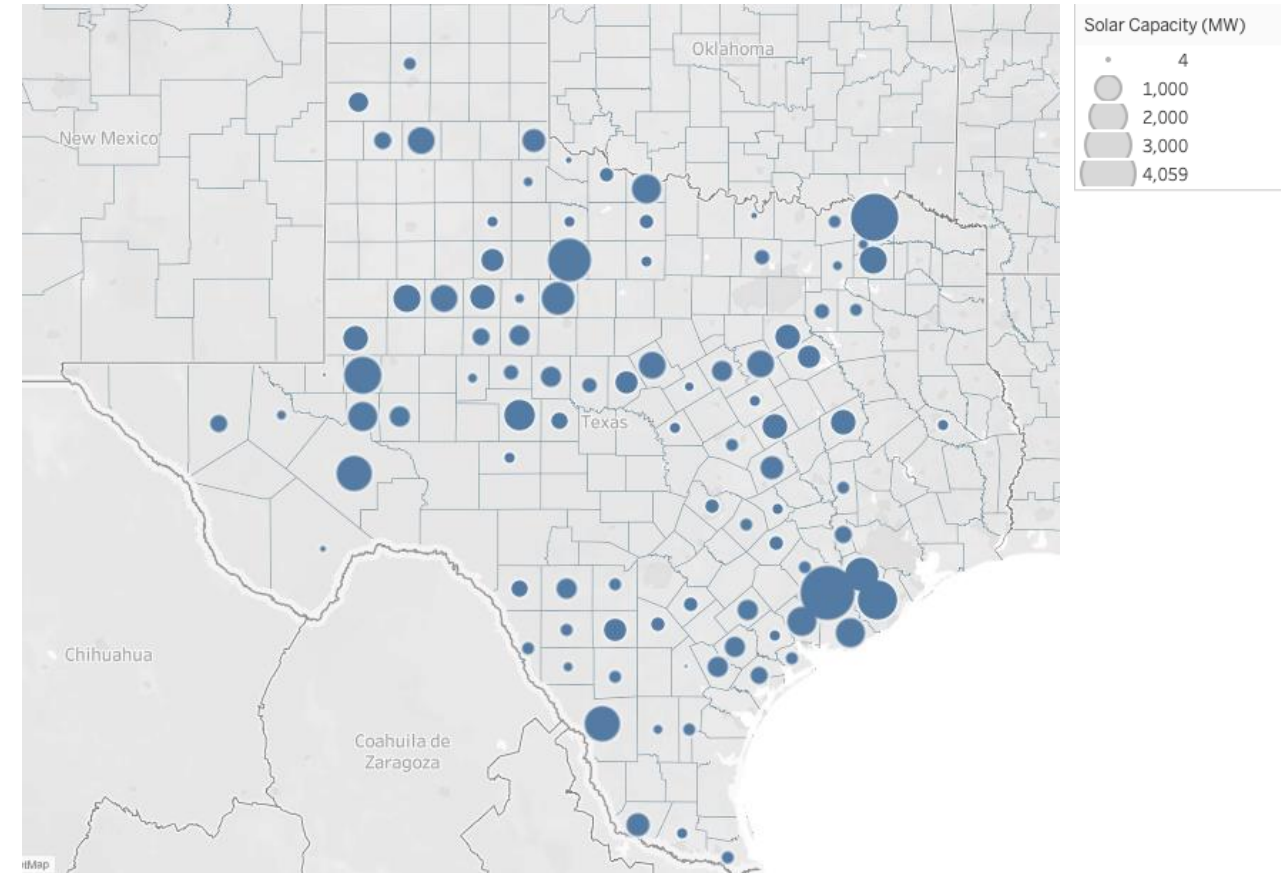


Proposed wind and solar projects in ERCOT interconnection queue (June 2020)

Wind (108 sites; 26,272 MW)

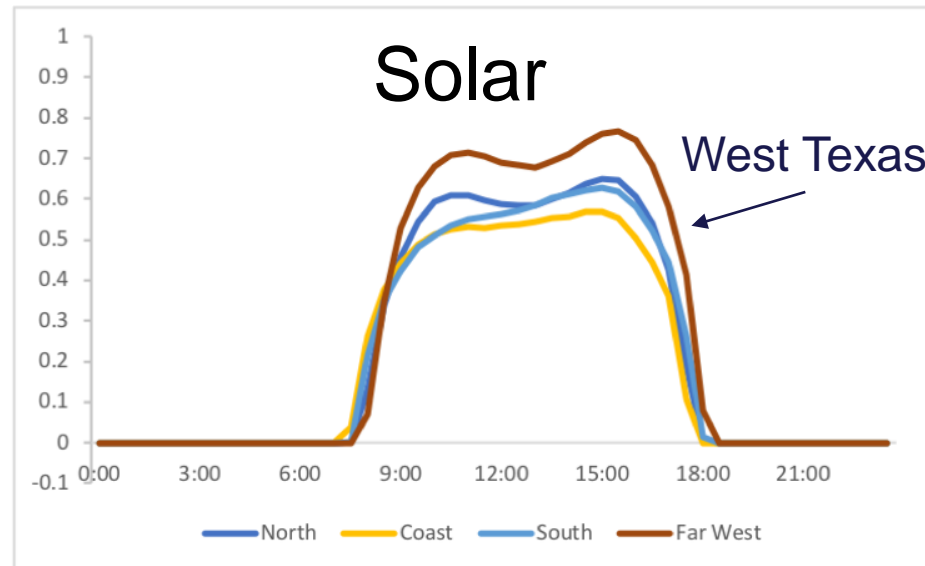
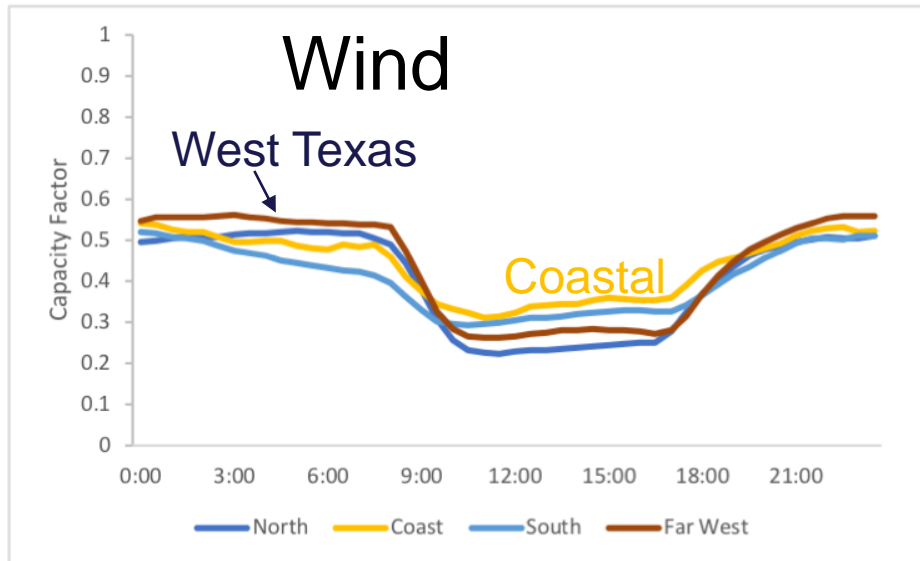


Solar (262 sites; 73,655 MW)



Wind and solar are complementary

January



July

