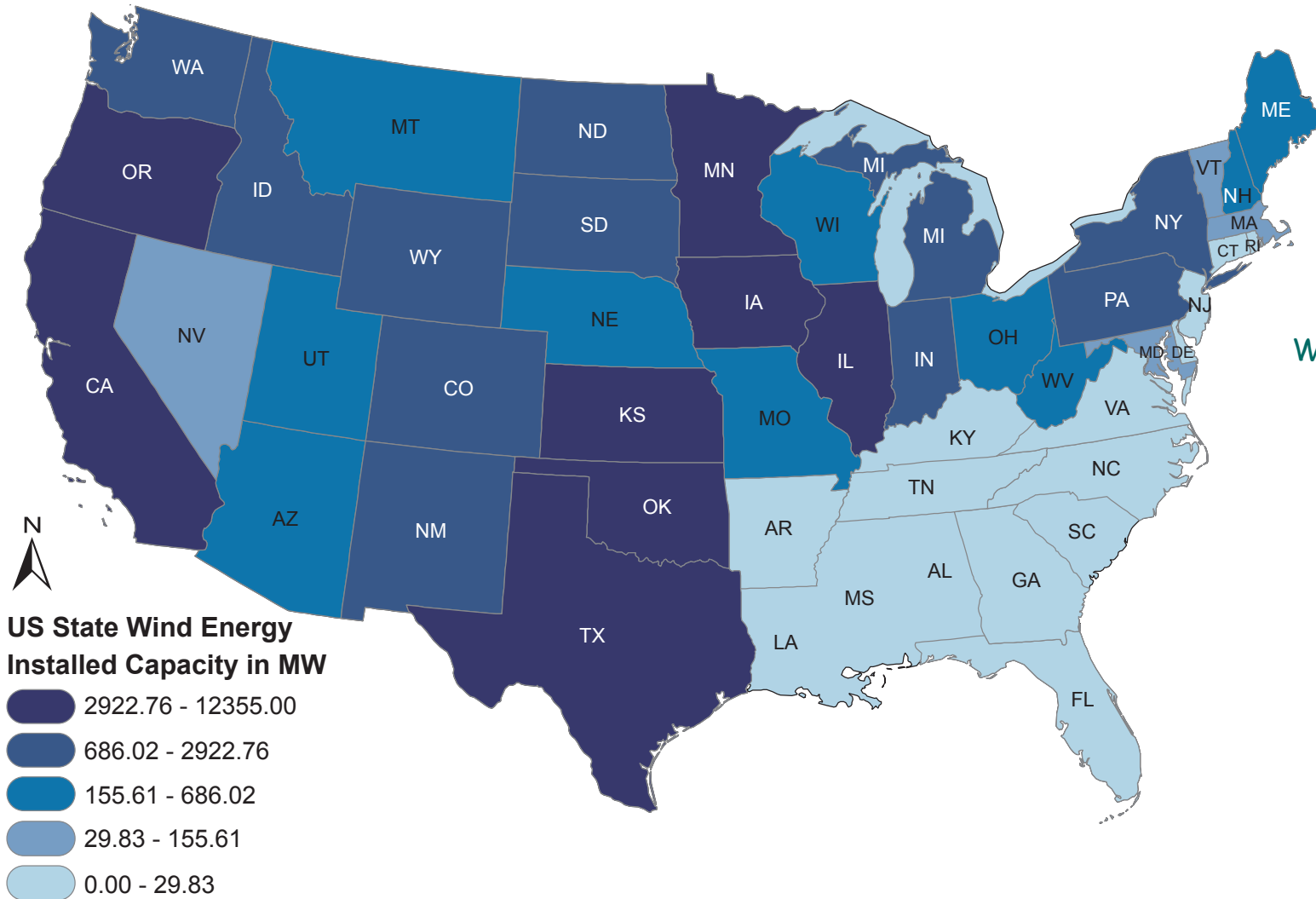
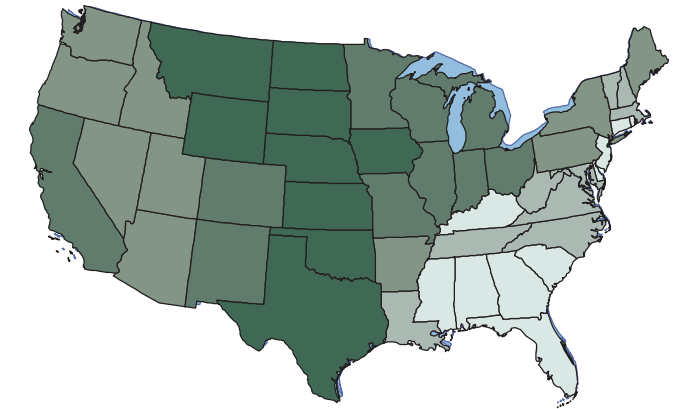


WIND ENERGY CAPACITY COMPARISON

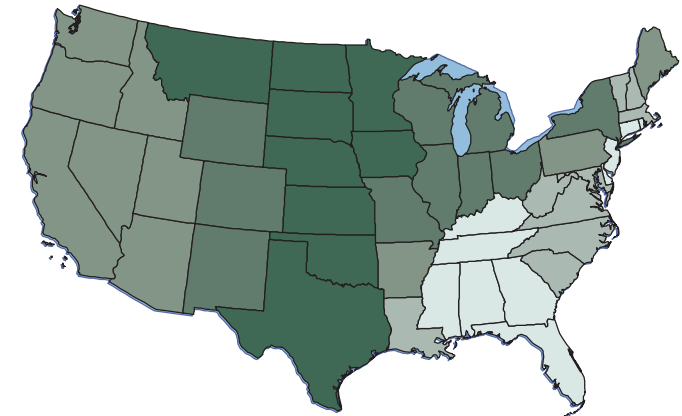
Current Installed Wind Power Capacity (MW)



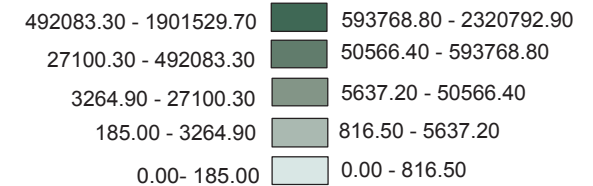
Wind Energy Potential Capacity at 80m (MW)



Wind Energy Potential Capacity at 100m (MW)



USA State Wind Power Potential Capacity in MW At 80m At 100m



Data Source: American Wind Energy Association (AWEA) Fourth Quarter Market Report for current installed capacity and National Renewable Energy Laboratory (NREL) for wind energy potential estimation
Projection: USA Contiguous Albers Equal Area Conic
 Created by Lingwei Li

Wind power or wind energy is defined as energy from wind used to generate mechanical power or electricity. This map contains information about wind power capacity additions and forecasts, visualizing the wind resource at a state-level and showing if states are taking advantages of energy available to them. "Wind potential" in the data refers to the potential megawatts of rated capacity that could be installed on the available windy land area and the data excludes areas unlikely to be developed such as parks, urban areas, and water features. The wind power potential are estimated on windy land area with a gross capacity 30% at 80-meter and 100-meter height above ground. Specifically, the map estimates and compares wind energy resource between current installed energy capacity in 2013 and two wind energy potentials at different height from developed of windy land area. Since data resources for current use and wind potential are distinct that current capacity may include offshore wind energy but wind potential data may not, there is a significant difference between two types of maps near coastal area.