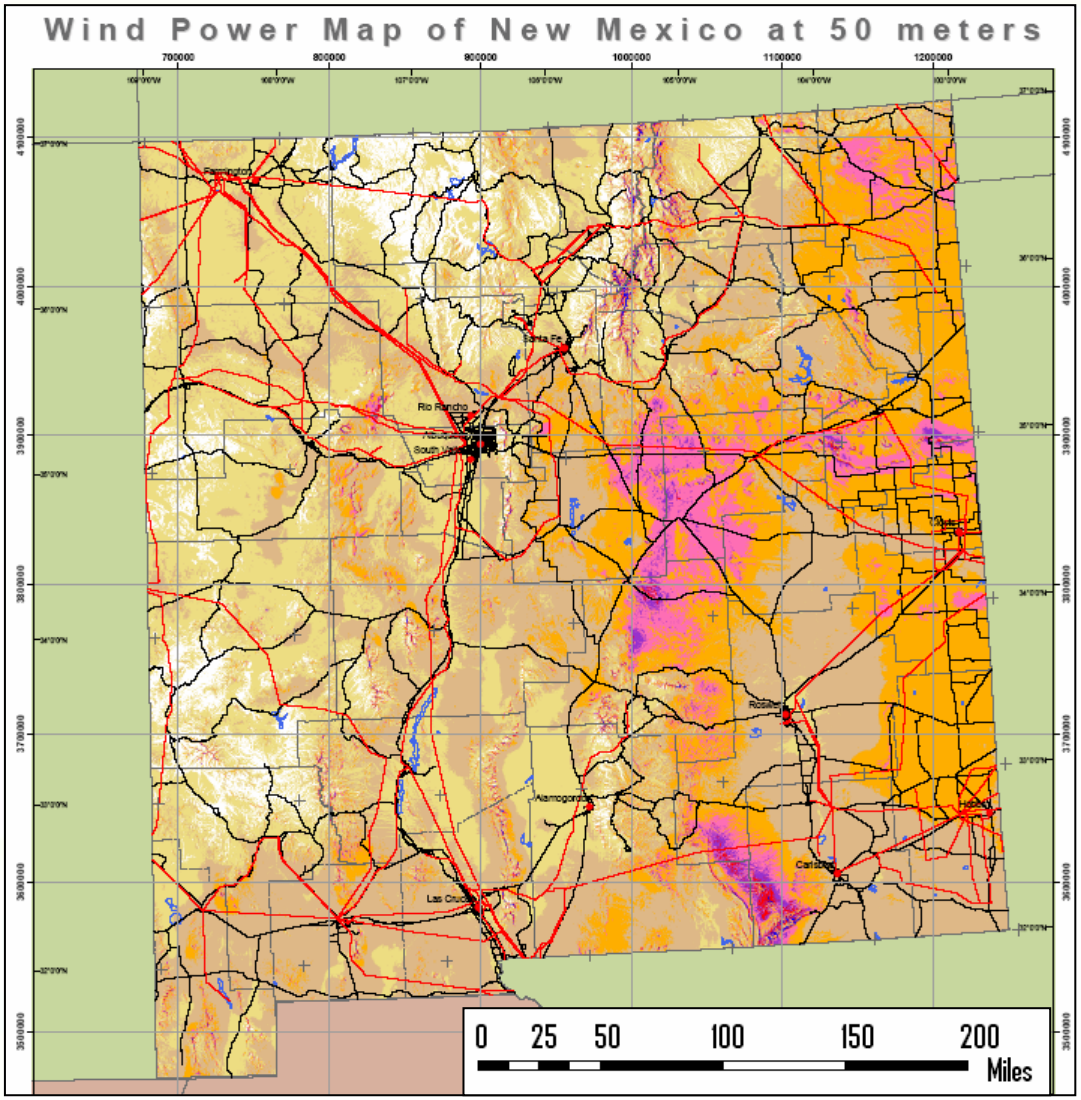
New Mexico's Rich Wind Energy Potential



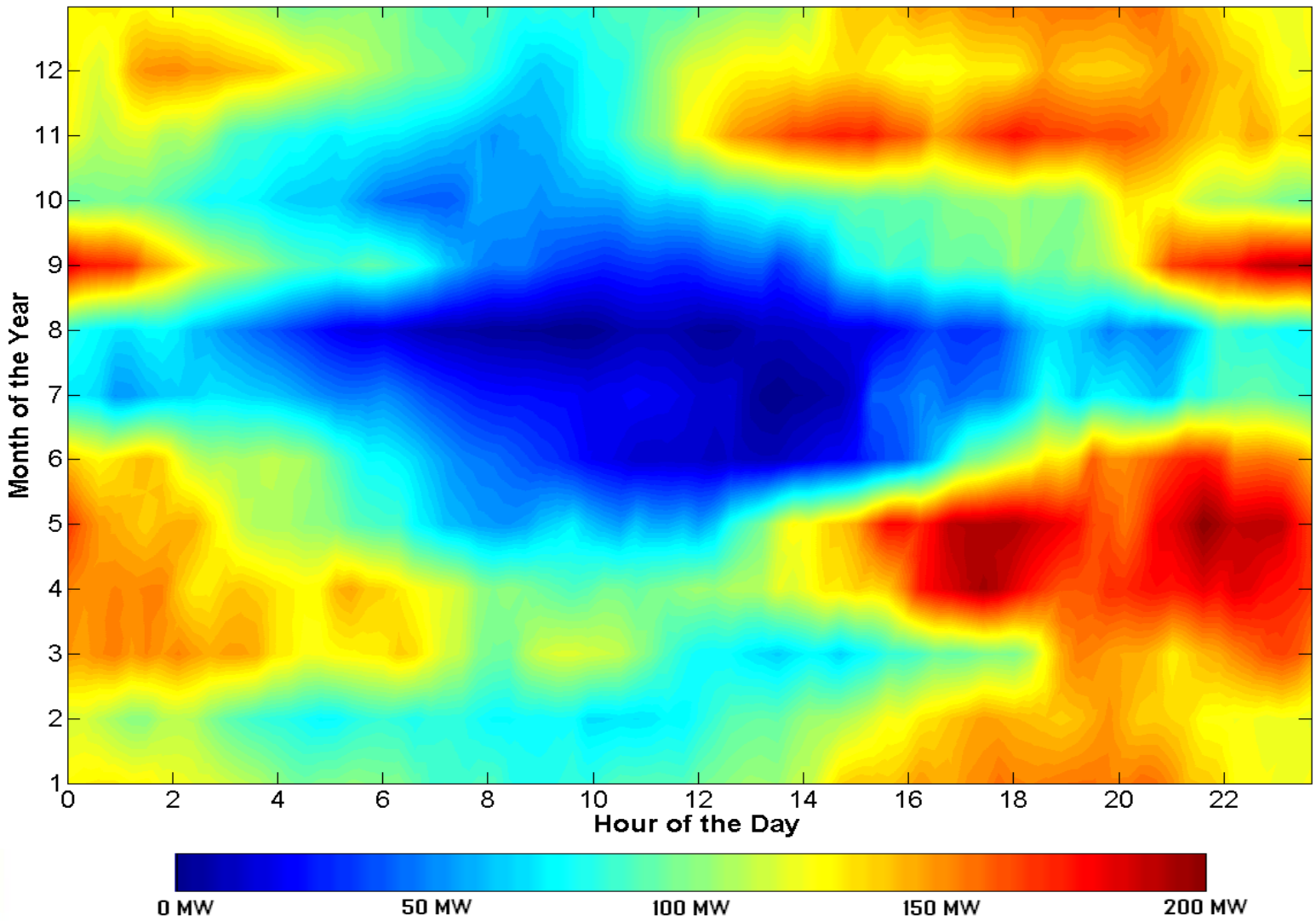
Power Density

Class	W/m2
1-	< 100
1+	100 - 200
2	200 - 300
3	300 - 400
4	400 - 500
5	500 - 600
6	600 - 800
7	> 800

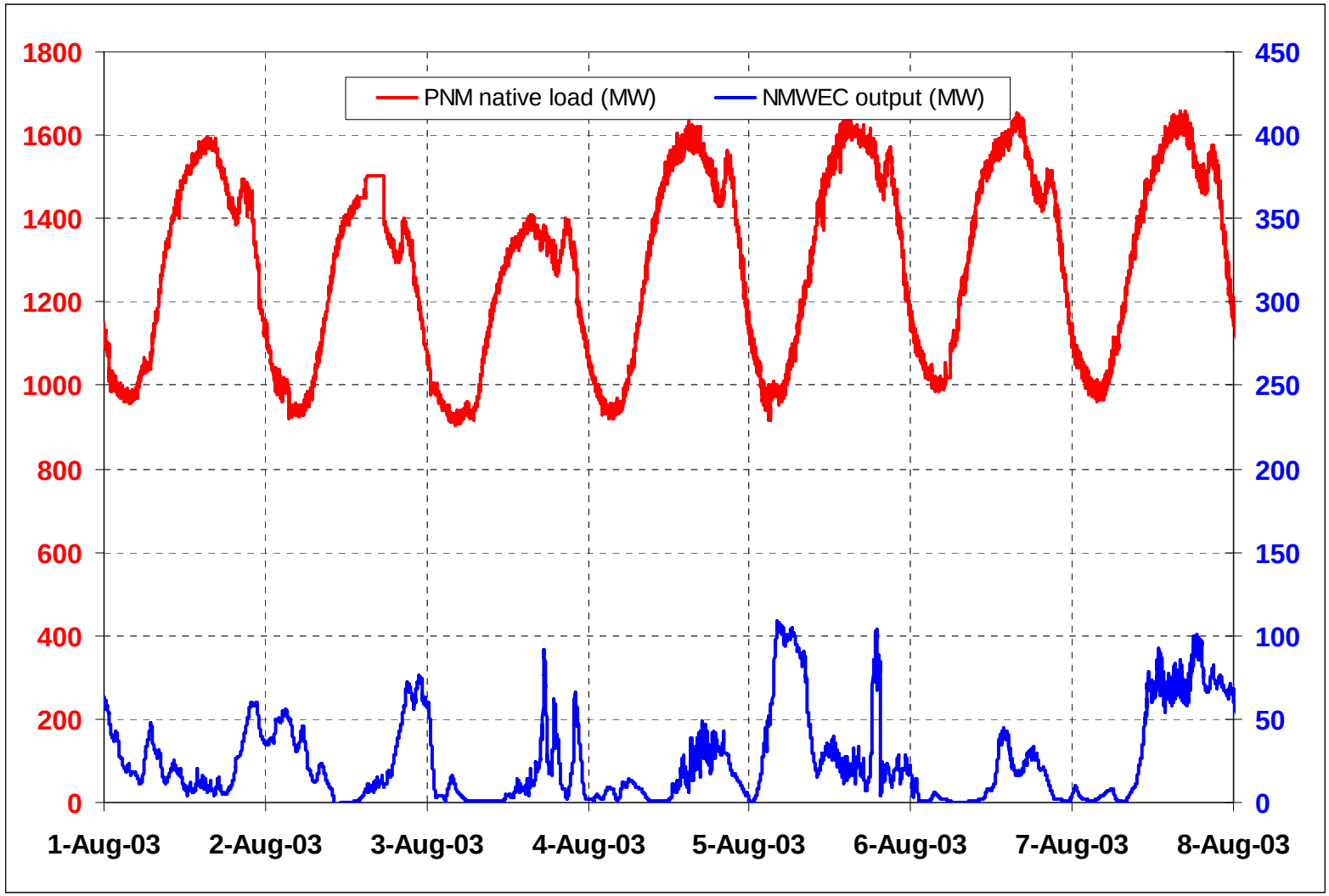
Major City
Transmission Line
Major Road
Lake/Reservoir
County Boundary

Map By created by TrueWind Solutions from MesoMap system using historical weather data

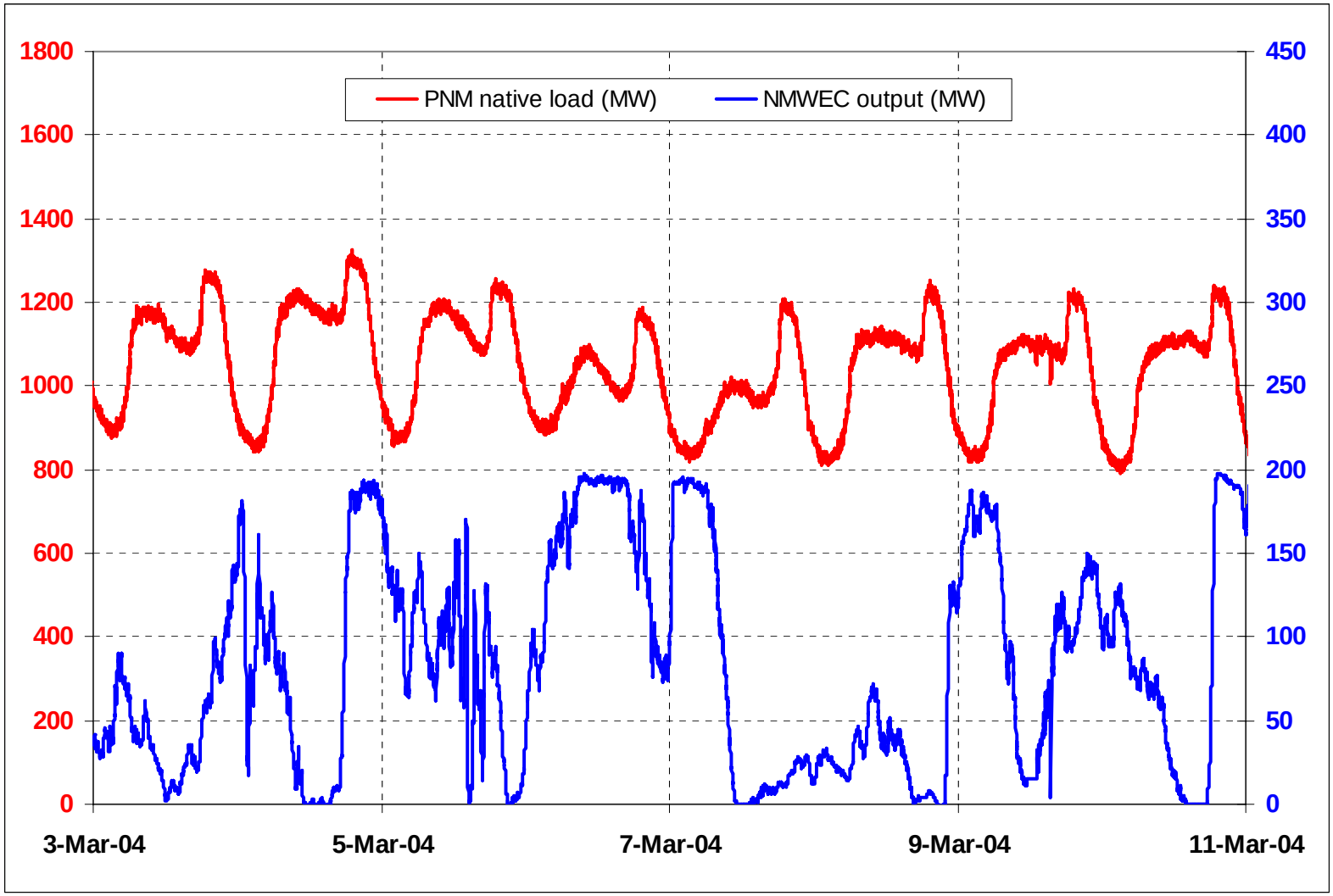
Output Pattern (July 03-August 04)



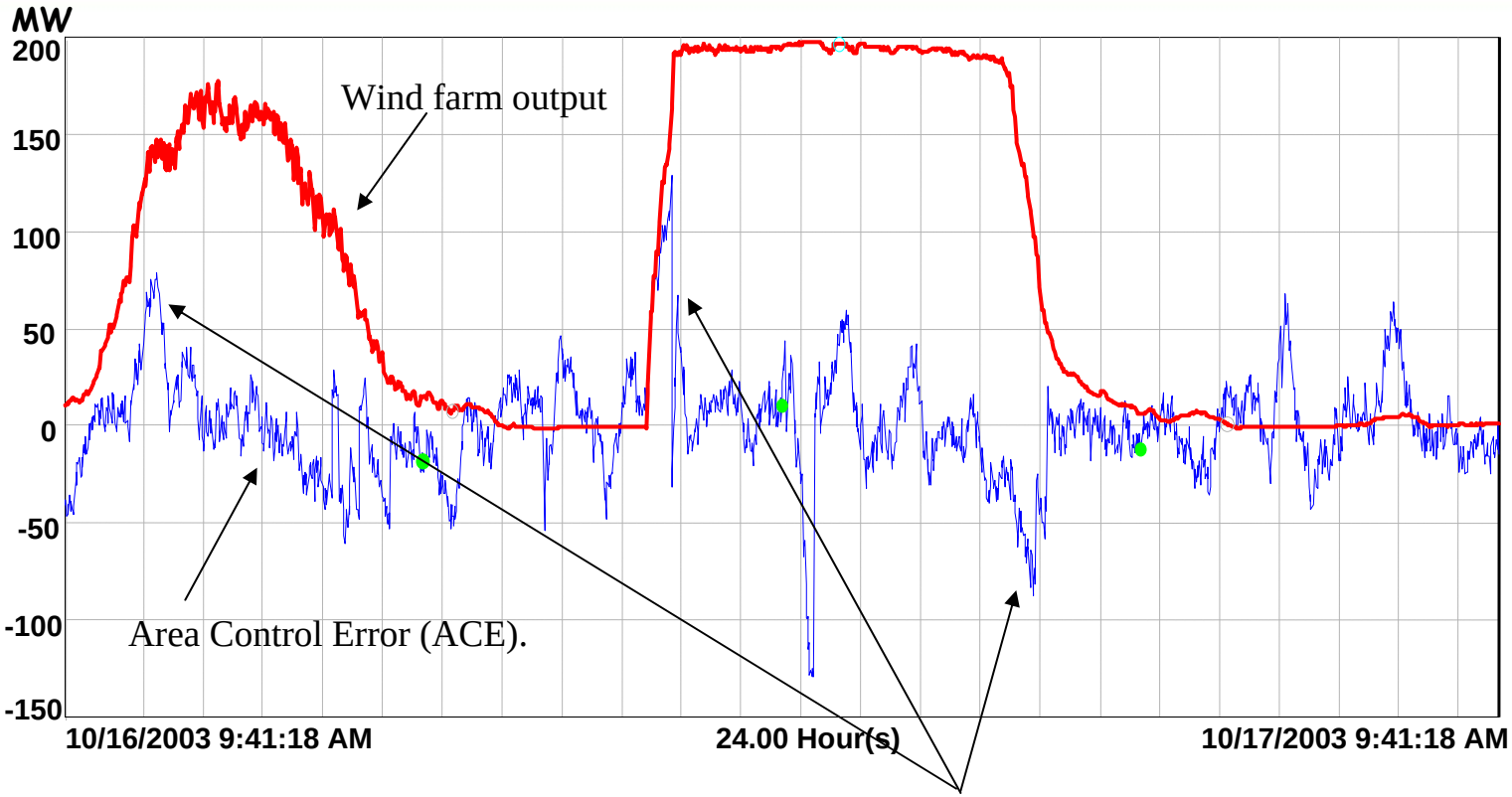
Load and Wind Patterns – Summer 2003



Load and Wind Patterns – Spring 2004



Impact on Control Area Performance



NERC CPS-2: *The average ACE for at least 90% of clock-ten-minute periods during a calendar month must be within a specific limit (L_{10})* ; 37 MW for PNM.

ACE deviates by more than 37 MW due to rapid sustained changes in wind output. As a result, ACE not within specified limit for several clock-ten-minute periods. However, CPS-2 index still above 90% for the month.