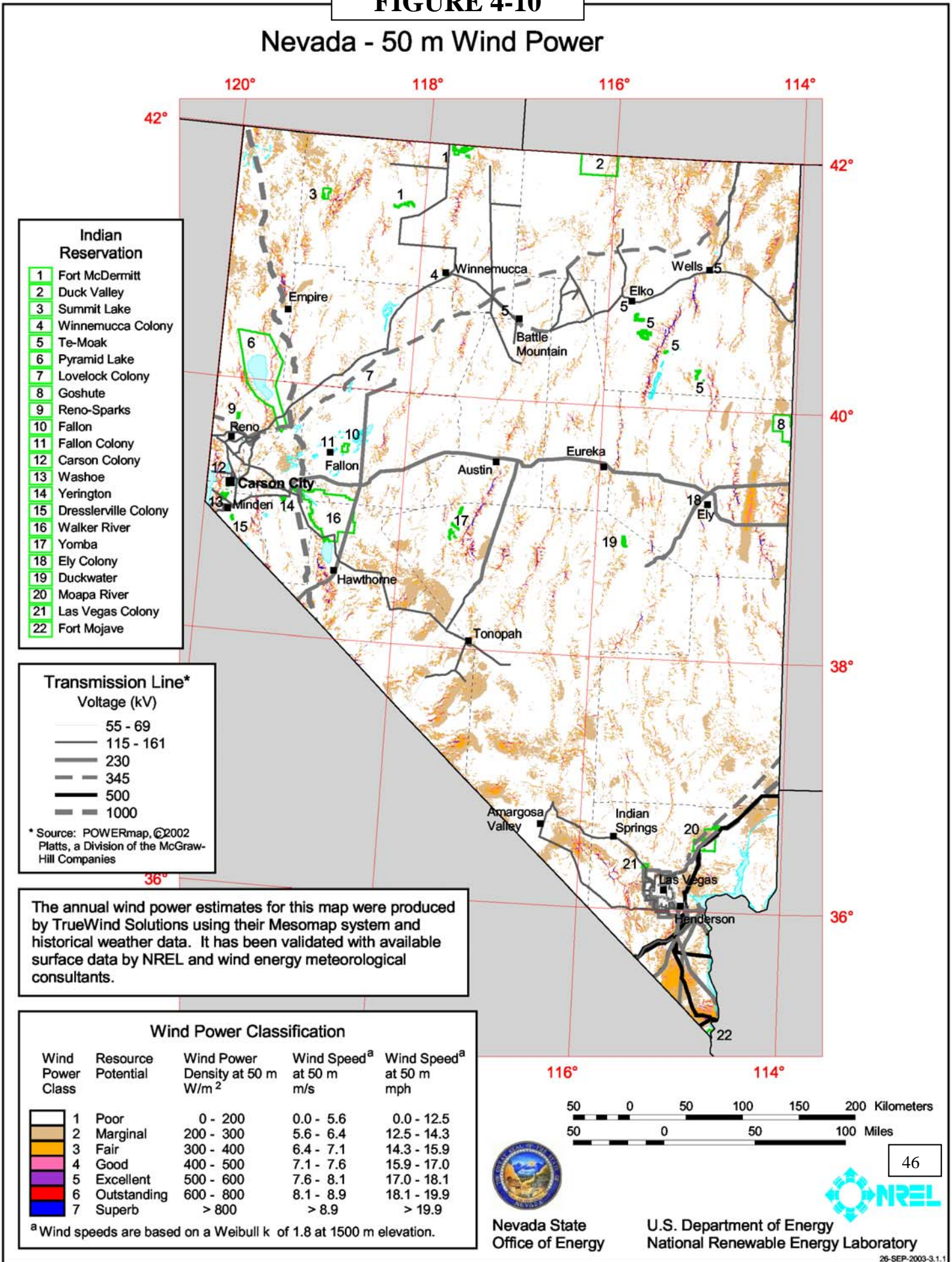


# FIGURE 4-10

## Nevada - 50 m Wind Power



- Indian Reservation**
- 1 Fort McDermitt
  - 2 Duck Valley
  - 3 Summit Lake
  - 4 Winnemucca Colony
  - 5 Te-Moak
  - 6 Pyramid Lake
  - 7 Lovelock Colony
  - 8 Goshute
  - 9 Reno-Sparks
  - 10 Fallon
  - 11 Fallon Colony
  - 12 Carson Colony
  - 13 Washoe
  - 14 Yerington
  - 15 Dresslerville Colony
  - 16 Walker River
  - 17 Yomba
  - 18 Ely Colony
  - 19 Duckwater
  - 20 Moapa River
  - 21 Las Vegas Colony
  - 22 Fort Mojave

- Transmission Line\***  
Voltage (kV)
- 55 - 69
  - 115 - 161
  - 230
  - - 345
  - 500
  - - 1000
- \* Source: POWERmap, ©2002 Platts, a Division of the McGraw-Hill Companies

The annual wind power estimates for this map were produced by TrueWind Solutions using their Mesomap system and historical weather data. It has been validated with available surface data by NREL and wind energy meteorological consultants.

**Wind Power Classification**

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m <sup>2</sup>	Wind Speed <sup>a</sup> at 50 m m/s	Wind Speed <sup>a</sup> at 50 m mph
1	Poor	0 - 200	0.0 - 5.6	0.0 - 12.5
2	Marginal	200 - 300	5.6 - 6.4	12.5 - 14.3
3	Fair	300 - 400	6.4 - 7.1	14.3 - 15.9
4	Good	400 - 500	7.1 - 7.6	15.9 - 17.0
5	Excellent	500 - 600	7.6 - 8.1	17.0 - 18.1
6	Outstanding	600 - 800	8.1 - 8.9	18.1 - 19.9
7	Superb	> 800	> 8.9	> 19.9

<sup>a</sup> Wind speeds are based on a Weibull k of 1.8 at 1500 m elevation.



Nevada State Office of Energy

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