Level 2

Module 4

**Activity 1**

Working with a partner or in a small group, study the ***North Dakota – Wind Resource Map*** found in ***Module 4 of the Level 2 North Dakota Studies Energy Curriculum***. Locate each of the cities and reservations listed below and find what the Wind Power Class is for each city and reservation and its resource potential for setting up a wind farm. Answer the questions below. Discuss.

**Wind Speed (mph)**

**Wind Power Class and Resource Potential**

**Cities and Reservations in North Dakota**

* Williston . . . . . . . . . . . . . . . . . . . . . . . . . . . .
* Minot . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
* Dickinson . . . . . . . . . . . . . . . . . . . . . . . . . . .
* Bismarck . . . . . . . . . . . . . . . . . . . . . . . . . . . .
* Jamestown . . . . . . . . . . . . . . . . . . . . . . . . . .
* Grand Forks . . . . . . . . . . . . . . . . . . . . . . . . .
* Fargo . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
* Turtle Mountain Reservation (Turtle Mountain Band of Chippewa) . . . . . . . . . .
* Devil’s Lake Sioux Reservation (Spirit Lake) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
* Lake Traverse Reservation (Not federally recognized in North Dakota) . . . . . . . . . . .
* Standing Rock Reservation . . . . . . . . . . . . .
* Fort Berthold Reservation (Three Affiliated Tribes)

1. Which city or reservation has the greatest wind potential?
2. Which city or reservation has the least wind potential?
3. If you were to set up a wind farm in North Dakota, where would you place it based on this Wind Resource Map? Explain your answer.