

MN High School Robotics 2007/8

SAME DAY MISSION

February 9, 2008

The wealthy actor who owned the fancy house on the beach, decided that he didn't want a windmill on his property and lobbied his congressman to change the regulations. Therefore the windmill must now be placed out in the ocean. This changes the following two missions:

Wind Turbines: Place one Wind Turbines so it is TOUCHING the farm. ~~Place one Wind Turbine so it is TOUCHING the white property of the House by the sea. Scoring Wind Turbines are worth 20 points each. Scoring Wind Turbine on the farm is worth 20 points. Place one Wind Turbine so it is COMPLETELY IN the ocean (cannot be TOUCHING land), west of the house property. Scoring Wind Turbine in the ocean is worth 35 points. The Wind Turbines must be upright.~~

Grid Connection: ~~Place the Power Lines so they are TOUCHING the white of the Power Plant's property and the white of one of the adjacent communities. The Power Lines must be upright. A community connected to the Power Plant's property in this way is worth 15 points.~~

Place the Power Lines so they are TOUCHING the ocean west of the house property and the house property (the beach is part of the property). The Power Lines must also be CONNECTED TO (see definition below) the windmill placed in the ocean in the previous mission. The Power Lines must be upright. A properly connected Power Line is worth 35 points.

The Wind Turbine and the Power Lines CANNOT be physically connected and moved together, or moved into position together in a jig. They must be moved into position independently.

DEFINITION: CONNECTED TO means either touching, or within one oil barrel length of touching. (two examples of successfully CONNECTED TO shown)

