

Lummi Nation Wind Energy Feasibility Assessment Project (DOE Grant Number DE-EE0002516)  
Blockhouse Site Anemometer Tower Installation (60 meter NRG Tubular Tower)



Blockhouse Anemometer Tower Upon Arrival Prior to Assembly (12/28/2010)



Blockhouse Anemometer Tower – Ground Anchors [Type: Screw-In] (12/28/2010)

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Locating and Marking the Anchor Points for the Blockhouse Anemometer Tower (12/28/2010)



Installing Screw-In Anchors at the Blockhouse Anemometer Tower Site (12/28/2010)

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Pull Testing and Photo Documentation of Result of One of the Screw-In Anchors at the Blockhouse Anemometer Tower Site (12/28/2010)



One of Four Sets of Installed Screw-In Anchors at Blockhouse Anemometer Tower Site (Three Anchors per Set) (12/28/2010)

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Blockhouse Anemometer Tower Sections/Pieces Prior to Assembly (12/28/2010)



Blockhouse Anemometer Tower Assembly – Laying out the Tower Sections(12/28/2010)

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Blockhouse Anemometer Tower Base Plate Assembly (12/28/2010)



Blockhouse Anemometer Tower Base Plate Assembly (12/28/2010)

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Blockhouse Anemometer Tower Base Plate Assembly – Connection of First Tower Piece (12/28/2010)



Blockhouse Anemometer Tower Assembly – Connecting the Tower Sections (12/28/2010)

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Blockhouse Anemometer Tower Assembly – Connecting the Tower Sections (12/28/2010)



Blockhouse Anemometer Tower Assembly – All Tower Sections Connected (12/28/2010)

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Blockhouse Anemometer Tower Assembly – Anemometers and Wind Vanes (12/29/2010)



Blockhouse Anemometer Tower Assembly – Data Logging and Communication Equipment (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Eastern Ground Anchors and Winch (12/29/2010)



Blockhouse Anemometer Tower Assembly – Tower Anchor Point and Cables (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Western Anchor Points and Winch (12/29/2010)



Blockhouse Anemometer Tower Assembly – Upper Tower Anchor Point and Marker Balls (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Gin Pole Prior to Assembly (12/29/2010)



Blockhouse Anemometer Tower Assembly – Gin Pole Assembly (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Gin Pole Assembly (12/29/2010)



Blockhouse Anemometer Tower Assembly – Cables Extending to Anchor Locations (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Gin Pole Lifting End of Tower (12/29/2010)



Blockhouse Anemometer Tower Assembly – Bat Detector Bracket, Upper Tower Anchor Point, and Anemometers (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Upper Bat Detector Bracket [note: a third metal strap was added later to further secure the bracket to the tower] (12/29/2010)



Blockhouse Anemometer Tower Assembly – Photo Documentation of Bat Detector Bracket Elevation after adjustment (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Adjusting the Anemometer Angle (12/29/2010)



Blockhouse Anemometer Tower Assembly – Photo Documentation of Assembly (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Photo Documentation of Anemometer Height (12/29/2010)



Blockhouse Anemometer Tower Assembly – Sensor Wires Wrapping and Protection at Tower Anchor Point (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Starting to Lift Assembled Tower – Note Lighting Rod in Foreground (12/29/2010)



Blockhouse Anemometer Tower Assembly – Starting to Lift Assembled Tower (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Starting to Lift Assembled Tower (12/29/2010)



Blockhouse Anemometer Tower Assembly – Starting to Lift Assembled Tower (12/29/2010)

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Blockhouse Anemometer Tower Assembly – Starting to Lift Assembled Tower (12/29/2010)



Installed Blockhouse Anemometer Tower – Base of Tower and Data Logging and Communication Equipment (12/30/2010)

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Installed Blockhouse Anemometer Tower (12/30/2010)



Installed Blockhouse Anemometer Tower – South Set of Ground Anchors (12/30/2010)

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Installed Blockhouse Anemometer Tower – North Set of Ground Anchors (12/30/2010)



Installed Blockhouse Anemometer Tower – Close-Up of Northern Ground Anchors (12/30/2010)

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Installed Blockhouse Anemometer Tower (12/30/2010)



Installed Blockhouse Anemometer Tower (12/30/2010)