



Department of Transportation

Division of Finance & Management

Office of Local Transportation Programs

700 East Broadway Avenue

Pierre, South Dakota 57501-2586

OFFICE: 605/773-3574

FAX: 605/773-4870

April 13, 2010

Tina Bartunek
Iberdrola Renewables
1125 NW Couch Street, Suite 700
Portland, OR 97209

RE: South Dakota Aeronautical Hazard Permit: #2010-1954
Location: Astoria
FAA Airspace #: See Attached

Dear Ms. Bartunek:

Enclosed is a single permit for your Wind Energy Project of 124 turbines located near Astoria, SD approved by the South Dakota Aeronautics Commission on March 31, 2010

Sheet 2 of the permit needs to be completed and returned to the Office of Aeronautics within five days after all turbines are completed.

If you have any questions, please contact me at (605) 773-4430 or email me at jennifer.clements@state.sd.us .

Sincerely,

A handwritten signature in blue ink that reads "Jennifer Clements". The signature is fluid and cursive.

Jennifer Clements, Aeronautics Program Assistant

SOUTH DAKOTA AERONAUTICAL HAZARD PERMIT

PERMIT NO. 2010-1954

Date of Aeronautics Commission Approval: March 31, 2010

Approval Is Hereby Given To:

Iberdrola Renewables
1125 NW Couch Street, Suite 700
Portland, OR 97209

Nearest City: Astoria

Latitude **Longitude**
44d29m25.01sN 096d35m16.51s
FAA Aeronautical Study: 10-WTE-1954-OE (3355)
Structure Height: 428 ft. AMSL 2383 ft.

Proposed Structure: 428 ft. WIND FARM
Includes 124 turbines/met towers

As per FAA aeronautical study 10-WTE-1954-OE, any marking and lighting requirements are shown here:

Marking or Lighting Required: Standard Red Light & Paint

This approval is not to be interpreted to constitute an approval of structural design or materials, but merely in the matter of location, height, marking and lighting of the structure. This approval is subject to such further requirements as the South Dakota Aeronautics Commission may prescribe relating to marking, lighting and safety to the flying public as may from time to time be adopted by the Commission. This approval in no way implies that the Commission will approve an extension in height above top elevation(s) of said structure. The attached application is included as an integral part of this approval.



Application Reviewer
South Dakota Aeronautics Commission

4/13/10



Bruce Lindholm, Program Manager, Air Rail and Transit
SD Department of Transportation
Office of Aeronautics

4/13/10

Please note: If the construction has not been completed and sheet 2 of this Permit completed and returned, this Permit will expire within one (1) year of date of issuance.

Extensions of this permit may be requested in writing to this office, before expiration of Permit.

Please complete and return this sheet within 5 days after structure is built

TO:

South Dakota Aeronautics Commission
DEPARTMENT OF TRANSPORTATION
Becker Hansen Building
700 E Broadway Avenue
Pierre, South Dakota 57501-9989

SUBJECT: Certification of Construction

**Permit No. 2010-1954, Commission Hearing on 03/31/2010
Federal Airspace Case Number 10-WTE-1954-OE**

Location: Astoria

I, _____ do hereby certify that I have examined the completed structure described in the subject application to the South Dakota Aeronautics Commission and find it to have been constructed at the location, to the height of _____' and marked and lighted as specified in the subject application and according to the Special Conditions of the referenced Approval Permit as prescribed by the Aeronautics Commission as a part of their approval.

It is agreed by the owner that the future lighting and marking standards adopted by the South Dakota Aeronautics Commission will be adhered to within six months after being directed to do so by the Aeronautics Commission.

Date

Signature and Title of Authorized Individual

Sheet 2 of 2

Iberdrola Renewables Wind Farm near Astoria

10-1954

<u>FAA Study Number</u>	<u>Lat-Deg</u>	<u>Lat-Min</u>	<u>Lat-Sec</u>	<u>Long-Deg</u>	<u>Long-Min</u>	<u>Long-Sec</u>	<u>Ground Elev.</u>	<u>Structure Height</u>	<u>Top M.S.L.</u>	<u>Lighted?</u>
2009-WTE-11868-OE	44	31	46.60	96	42	17.71	1808	262	2070	Y
2009-WTE-13644-OE	44	33	24.37	96	34	14.12	1920	262	2182	Y
2008-WTE-764-OE	44	31	57.22	96	42	14.44	1812	428	2240	Y
2010-WTE-1947-OE	44	31	57.22	96	42	1.76	1825	428	2253	Y
2009-WTE-11900-OE	44	31	57.14	96	41	48.95	1844	428	2272	N
2009-WTE-11895-OE	44	30	14.33	96	37	54.95	1855	428	2283	N
2008-WTE-767-OE	44	32	0.60	96	41	34.80	1857	428	2285	Y
2009-WTE-11873-OE	44	31	23.16	96	40	48.04	1875	428	2303	Y
2008-WTE-768-OE	44	32	0.49	96	41	19.93	1880	428	2308	N
2009-WTE-8504-OE	44	30	47.59	96	39	46.44	1880	428	2308	Y
2009-WTE-11870-OE	44	29	30.01	96	39	9.29	1880	428	2308	Y
2009-WTE-11891-OE	44	30	41.08	96	39	46.98	1882	428	2310	Y
2008-WTE-732-OE	44	30	5.65	96	39	49.00	1886	428	2314	Y
2009-WTE-11910-OE	44	29	22.81	96	38	20.90	1889	428	2317	N
2009-WTE-11872-OE	44	30	14.29	96	37	41.74	1890	428	2318	Y
2010-WTE-1946-OE	44	32	3.37	96	41	1.25	1890	428	2318	Y
2010-WTE-1950-OE	44	30	13.64	96	38	17.56	1890	428	2318	Y
2008-WTE-747-OE	44	31	23.12	96	40	34.03	1891	428	2319	Y
2008-WTE-716-OE	44	29	30.12	96	39	23.94	1892	428	2320	N
2009-WTE-13628-OE	44	29	27.92	96	39	49.68	1893	428	2321	Y
2009-WTE-8520-OE	44	33	14.18	96	41	32.10	1896	428	2324	Y
2009-WTE-11871-OE	44	29	22.81	96	38	35.12	1897	428	2325	Y
2008-WTE-715-OE	44	29	27.89	96	39	36.43	1899	428	2327	N
2010-WTE-1951-OE	44	32	4.92	96	40	45.80	1900	428	2328	N
2009-WTE-8505-OE	44	30	47.52	96	39	33.52	1901	428	2329	N
2009-WTE-11908-OE	44	30	43.85	96	39	25.24	1902	428	2330	N
2009-WTE-8521-OE	44	33	14.18	96	41	19.75	1904	428	2332	N
2008-WTE-722-OE	44	29	19.72	96	36	59.87	1904	428	2332	Y
2010-WTE-1949-OE	44	30	13.68	96	38	31.49	1905	428	2333	Y
2009-WTE-8522-OE	44	33	14.15	96	41	7.37	1905	428	2333	N
2008-WTE-733-OE	44	30	5.54	96	39	34.92	1907	428	2335	N
2009-WTE-11893-OE	44	29	29.98	96	38	54.92	1909	428	2337	N
2008-WTE-786-OE	44	31	53.98	96	34	42.67	1909	428	2337	Y
2010-WTE-1953-OE	44	31	23.02	96	40	21.22	1910	428	2338	N
2008-WTE-754-OE	44	31	17.62	96	37	59.7	1912	428	2340	Y
2009-WTE-8517-OE	44	32	28.46	96	34	57.47	1913	428	2341	N
2008-WTE-741-OE	44	30	15.62	96	37	21.76	1913	428	2341	N
2009-WTE-8496-OE	44	31	22.94	96	40	7.61	1918	428	2346	Y
2008-WTE-735-OE	44	30	10.55	96	39	6.26	1919	428	2347	Y
2010-WTE-1952-OE	44	31	30.61	96	39	48.85	1920	428	2348	N
2009-WTE-11887-OE	44	33	20.70	96	34	30.58	1920	428	2348	Y
2009-WTE-8497-OE	44	31	33.71	96	39	33.05	1920	428	2348	Y
2008-WTE-723-OE	44	29	23.96	96	36	45.32	1921	428	2349	N
2008-WTE-742-OE	44	30	15.59	96	37	5.74	1922	428	2350	Y
2009-WTE-8494-OE	44	30	10.55	96	38	54.64	1922	428	2350	N
2009-WTE-8506-OE	44	30	47.63	96	39	20.38	1922	428	2350	N
2009-WTE-8519-OE	44	32	31.16	96	34	32.56	1922	428	2350	Y
2008-WTE-787-OE	44	32	2.04	96	34	27.91	1923	428	2351	N

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Iberdrola Renewables Wind Farm near Astoria

FAA Study Number	Lat-Deg	Lat-Min	Lat-Sec	Long-Deg	Long-Min	Long-Sec	Ground Elev.	Structure Height	Top M.S.L.	Lighted?
2010-WTE-1948-OE	44	29	24.04	96	36	29.70	1925	428	2353	Y
2010-WTE-1945-OE	44	32	6.65	96	40	28.85	1925	428	2353	Y
2009-WTE-8523-OE	44	33	14.72	96	40	49.66	1925	428	2353	Y
2009-WTE-11909-OE	44	30	55.76	96	39	11.09	1925	428	2353	N
2009-WTE-8493-OE	44	30	5.44	96	39	20.66	1926	428	2354	N
2009-WTE-8507-OE	44	30	47.56	96	39	7.13	1927	428	2355	N
2009-WTE-11880-OE	44	33	18.04	96	34	44.54	1927	428	2355	Y
2008-WTE-789-OE	44	32	2.11	96	34	1.31	1928	428	2356	N
2010-WTE-1943-OE	44	32	3.01	96	34	14.77	1930	428	2358	Y
2009-WTE-8518-OE	44	32	31.20	96	34	45.37	1930	428	2358	N
2008-WTE-790-OE	44	32	2.18	96	33	45.61	1931	428	2359	Y
2009-WTE-8512-OE	44	31	12.14	96	34	21.22	1932	428	2360	Y
2009-WTE-11869-OE	44	31	20.68	96	37	44.33	1932	428	2360	Y
2009-WTE-8498-OE	44	31	33.67	96	39	19.08	1933	428	2361	N
2009-WTE-8508-OE	44	30	47.52	96	38	55.03	1934	428	2362	Y
2009-WTE-8499-OE	44	31	33.60	96	39	6.70	1934	428	2362	N
2009-WTE-11890-OE	44	30	55.69	96	38	56.58	1934	428	2362	Y
2010-WTE-1942-OE	44	31	8.47	96	34	32.63	1935	428	2363	Y
2010-WTE-1944-OE	44	32	22.16	96	38	28.03	1935	428	2363	Y
2009-WTE-8500-OE	44	31	33.53	96	38	54.20	1939	428	2367	Y
2009-WTE-8524-OE	44	33	14.69	96	40	33.78	1941	428	2369	N
2008-WTE-772-OE	44	32	13.67	96	40	8.47	1941	428	2369	N
2009-WTE-8514-OE	44	30	38.09	96	34	10.42	1943	428	2371	Y
2008-WTE-729-OE	44	29	25.04	96	34	36.48	1946	428	2374	N
2009-WTE-11898-OE	44	33	18.04	96	35	3.98	1946	428	2374	N
2008-WTE-777-OE	44	32	22.38	96	38	53.84	1950	428	2378	Y
2009-WTE-8530-OE	44	33	16.16	96	35	58.49	1951	428	2379	Y
2009-WTE-11889-OE	44	29	25.01	96	34	57.79	1952	428	2380	Y
2008-WTE-725-OE	44	29	20.04	96	35	46.18	1952	428	2380	Y
2009-WTE-11878-OE	44	32	24.36	96	35	36.89	1953	428	2381	Y
2009-WTE-11883-OE	44	29	20.04	96	35	46.18	1953	428	2381	Y
2009-WTE-11879-OE	44	33	18.00	96	35	17.88	1953	428	2381	Y
2009-WTE-8516-OE	44	30	59.08	96	35	51.83	1953	428	2381	N
2008-WTE-730-OE	44	29	44.45	96	34	18.52	1953	428	2381	Y
2009-WTE-8529-OE	44	32	56.00	96	38	41.96	1954	428	2382	Y
2009-WTE-11896-OE	44	31	54.55	96	37	21.68	1954	428	2382	N
2009-WTE-8510-OE	44	31	4.87	96	34	43.90	1954	428	2382	N
2010-WTE-1954-OE	44	29	25.01	96	35	16.51	1955	428	2383	N
2009-WTE-8532-OE	44	33	16.13	96	35	32.78	1956	428	2384	N
2009-WTE-8515-OE	44	30	57.13	96	36	8.86	1957	428	2385	Y
2008-WTE-779-OE	44	32	22.16	96	38	13.38	1957	428	2385	N
2009-WTE-11904-OE	44	32	50.42	96	38	21.66	1957	428	2385	N
2009-WTE-11874-OE	44	31	24.17	96	37	20.86	1957	428	2385	Y
2009-WTE-8528-OE	44	32	55.97	96	39	1.55	1958	428	2386	N
2008-WTE-776-OE	44	32	22.45	96	39	8.17	1958	428	2386	N
2010-WTE-1941-OE	44	33	14.69	96	40	17.26	1960	428	2388	Y
2009-WTE-11901-OE	44	33	14.65	96	40	1.06	1960	428	2388	N
2008-WTE-726-OE	44	29	25.01	96	35	30.77	1960	428	2388	N

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Iberdrola Renewables Wind Farm near Astoria

<u>FAA Study Number</u>	<u>Lat-Deg</u>	<u>Lat-Min</u>	<u>Lat-Sec</u>	<u>Long-Deg</u>	<u>Long-Min</u>	<u>Long-Sec</u>	<u>Ground Elev.</u>	<u>Structure Height</u>	<u>Top M.S.L.</u>	<u>Lighted?</u>
2009-WTE-11902-OE	44	33	16.16	96	35	45.67	1961	428	2389	N
2009-WTE-8526-OE	44	33	14.65	96	40	1.06	1962	428	2390	N
2008-WTE-760-OE	44	31	27.05	96	35	59.75	1962	428	2390	Y
2008-WTE-744-OE	44	30	30.24	96	35	19.72	1963	428	2391	Y
2009-WTE-8513-OE	44	30	33.95	96	34	21.47	1963	428	2391	N
2009-WTE-11892-OE	44	32	43.58	96	36	19.04	1964	428	2392	Y
2009-WTE-11875-OE	44	32	26.63	96	38	0.89	1965	428	2393	Y
2008-WTE-775-OE	44	32	20.83	96	39	22.90	1965	428	2393	N
2008-WTE-774-OE	44	32	20.90	96	39	35.71	1965	428	2393	N
2008-WTE-763-OE	44	31	31.69	96	35	16.51	1968	428	2396	Y
2009-WTE-11897-OE	44	32	24.36	96	35	50.89	1969	428	2397	N
2009-WTE-11884-OE	44	32	50.46	96	38	4.81	1970	428	2398	Y
2009-WTE-8501-OE	44	31	27.30	96	37	1.85	1970	428	2398	N
2009-WTE-11899-OE	44	31	27.16	96	35	45.78	1970	428	2398	N
2008-WTE-743-OE	44	30	30.24	96	35	33.72	1970	428	2398	N
2008-WTE-762-OE	44	31	31.55	96	35	31.67	1970	428	2398	N
2009-WTE-11876-OE	44	31	54.62	96	37	6.71	1970	428	2398	Y
2009-WTE-8527-OE	44	33	14.65	96	39	35.89	1971	428	2399	Y
2009-WTE-8509-OE	44	30	57.31	96	34	56.50	1972	428	2400	Y
2009-WTE-11877-OE	44	32	24.32	96	36	4.86	1972	428	2400	Y
2009-WTE-11907-OE	44	32	43.69	96	36	32.69	1976	428	2404	N
2009-WTE-11906-OE	44	32	43.69	96	36	46.33	1979	428	2407	N
2008-WTE-773-OE	44	32	20.94	96	39	48.53	1981	428	2409	Y
2009-WTE-11905-OE	44	32	53.95	96	37	49.69	1982	428	2410	N
2009-WTE-8502-OE	44	31	27.37	96	36	46.73	1983	428	2411	N
2009-WTE-8503-OE	44	31	27.48	96	36	31.54	1985	428	2413	Y
2009-WTE-11885-OE	44	32	56.44	96	37	32.16	1986	428	2414	Y
2009-WTE-11886-OE	44	32	43.69	96	36	59.98	1988	428	2416	Y