BORDER WIND FARM 2017 PRODUCTION SUMMARY						NET CAPACITY FACTOR CALCULATIONS								
Meter #	TOTAL ENERGY KWH Xcel PEG meter See Note 1	MONTHLY CURTAILED KWH	YTD ENERGY KWH	AVG WIND SPEED M/S 5 turbines	MONTHLY AVAILABILITY Vestas SCADA	TOTAL WTG IN SERVICE	AVG TIME IN SERVICE HRS/WTG	RATED NAMEPLATE CAPACITY KW/WTG	TOTAL POTENTIAL ENERGY KWH/Month See Note 2	YTD POTENTIAL ENERGY KWH	MONTHLY AVG NET CAPACITY FACTOR	YTD AVG NET CAPACITY FACTOR	2 yr-to-date AVG NET CAPACITY FACTOR See Note 4	LIFE-TO-DATE AVERAGE NET CAPACITY FACTOR (From 12/08) See Note 5
LTD UP TO PRIOR YR	685,345,680	898,208				75			1,512,000,000					45.33%
PRIOR YEAR	622,225,798	898,208		8.0	95.7	75			1,317,600,000			47.22%	46.21%	46.21%
JANUARY	54.9													
Gross Energy Produced kWh	57,538,319													
Housepower Used kWH	(92,487)										47.2			
JANUARY NET ENERGY	57,445,832	3,798,000	57,445,832	8.9	94.3	75	744	2000	111,600,000	111,600,000	51.47%	51.47%	47.56%	46.41%
FEBRUARY	49.7													
Gross Energy Produced kWh	52,831,172													
Housepower Used KWh	(37,689)										45.4			
FEBRUARY NET ENERGY	52,793,483	82,000	110,239,315	8.8	97.5	75	672	2000	100,800,000	212,400,000	52.37%	51.90%	47.87%	46.61%
MARCH	54.4													
Gross Energy Produced kWh	57,207,094													
Housepower Used kWH	(45,381)										43.7			
MARCH NET ENERGY	57,161,713		167,401,028	8.8	97.8	75	744	2000	111,600,000	324,000,000	51.22%	51.67%	48.10%	46.77%
APRIL	52.0													
Gross Energy Produced kWh	52,591,295													
Housepower Used kWH	(60,317)										46.3			
APRIL NET ENERGY	52,530,978	328,000	219,932,006	7.7	98.8	75	720	2000	108,000,000	432,000,000	48.64%	50.91%	48.13%	46.83%
MAY	50.6													
Gross Energy Produced kWh	43,710,400													
Housepower Used kWH	(140,322)										37.6			
MAY NET ENERGY	43,570,079	11,443,000	263,502,084	7.9	79.3	75	744	2000	111,600,000	543,600,000	39.04%	48.47%	47.59%	46.58%
JUNE	41.6													
Gross Energy Produced kWh	50,391,596													
Housepower Used kWH	(56,624)										30.6			
JUNE NET ENERGY	50,334,971	95,000	313,837,056	8.0	94.2	75	720	2000	108,000,000	651,600,000	46.61%	48.16%	47.54%	46.58%
JULY	37.2													
Gross Energy Produced kWh	46,501,107													
Housepower Used kWH	(60,269)										27.1			
JULY NET ENERGY	46,440,839	600	360,277,894	6.1	98.9	75	744	2000	111,600,000	763,200,000	41.61%	47.21%	47.22%	46.42%
AUGUST	41.8													
Gross Energy Produced kWh	29,843,479													
Housepower Used kWH	(127,950)										25.3			
AUGUST NET ENERGY	29,715,528	3,400	389,993,423	5.6	99.1	75	744	2000	111,600,000	874,800,000	26.63%	44.58%	46.17%	45.83%
SEPTEMBER	47.7													
Gross Energy Produced kWh	59,312,121													
Housepower Used kWH	(24,154)										34.9			
SEPTEMBER NET ENERGY	59,287,967	16,050	449,281,390	8.4	95.6	75	720	2000	108,000,000	982,800,000	54.90%	45.71%	46.58%	46.08%
OCTOBER	53.3													
Gross Energy Produced kWh	62,712,957													
Housepower Used kWH	(37,032)										41.1			
OCTOBER NET ENERGY	62,675,924	1,770,000	511,957,314	9.4	92.5	75	744	2000	111,600,000	1,094,400,000	56.16%	46.78%	47.02%	46.37%
NOVEMBER	54.8													
Gross Energy Produced kWh	64,852,445													
Housepower Used Kwh	(8,112)										46.3			
NOVEMBER NET ENERGY	64,844,332	93,290	576,801,646	9.4	96.6	75	720	2000	108,000,000	1,202,400,000	60.04%	47.97%	47.58%	46.74%
DECEMBER	55.5													
Gross Energy Produced kWh	67,274,081													
Housepower Used kWH	(44,031)										47.2			
DECEMBER NET ENERGY	67,230,050	42,130	644,031,696	9.2	94.9	75	744	2000	111,600,000	1,314,000,000	60.24%	49.01%	48.12%	47.10%
	593,400,000	2.7%		8.3								45.10%		
TOTAL NET ENERGY	644,031,696	17,671,470		8.2	95.0	75			1,314,000,000			49.01%		
TOTAL 2-YR NET ENERGY	1,266,257,495	18,569,678		8.1	95.3	75			2,631,600,000				48.12%	
TOTAL LTD NET ENERGY	1,951,603,175	19,467,887				75			4,143,600,000					47.10%

Notes:
1. N/A
2. Total Potential Energy in KWH = Number of WTG's In-Service * Average Hours In-Service per WTG per Month * Rated Nameplate Capacity in KW/WTG. All months assume Average Time In-Service is Gross Available hours before any losses, wind availability, equipment availability, etc. and are calculated by (Total # turbines * Total # of days/month * 24 hours/day)/Total # turbines
3. Year-to-Date Average Net Capacity Factor = (Actual Cumulative Year-to-Date Net KWH) / (Cumulative Year-to-Date Max KWH)
4. Two Year Average Net Capacity Factor = (Prior Yr Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (Prior Yr Total Potential Energy + Cumulative Year-to-Date Max KWH)
5. Life-to-Date Average Net Capacity Factor = (L-T-D Total Actual Net KWH thru 2 yrs Prior + Prior Year Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (L-T-D Total Potential Energy thru 2 yrs Prior + Prior Year Total Potential Energy + Cumulative Year-to-Date Max KWH)

BORDER WIND FARM 2017 PRODUCTION SUMMARY	Gross Energy kWh	Turbine Use kWh	Net Turbine Energy kWh	Monthly Curtailment kWh	AVG Wind Speed* m/s
January	57,538,319	92,487	57,445,832	3,798,000	8.9
February	52,831,172	37,689	52,793,483	82,000	8.8
March	57,207,094	45,381	57,161,713	0	8.8
April	52,591,295	60,317	52,530,978	328,000	7.7
May	43,710,400	140,322	43,570,079	11,443,000	7.9
June	50,391,596	56,624	50,334,971	95,000	8.0
July	46,501,107	60,269	46,440,839	600	6.1
August	29,843,479	127,950	29,715,528	3,400	5.6
September	59,312,121	24,154	59,287,967	16,050	8.4
October	62,712,957	37,032	62,675,924	1,770,000	9.4
November	64,852,445	8,112	64,844,332	93,290	9.4
December	67,274,081	44,031	67,230,050	42,130	9.2
Total/Avg	**644,766,065**	**734,368**	**644,031,696**	**17,671,470**	**8.2**

	Gross Energy MWh	Turbine Use MWh	Net Turbine Energy MWh	Monthly Curtailment MWh	Monthly Capacity Factor
January	57,538	92	57,446	3,798	51.5%
February	52,831	38	52,793	82	52.4%
March	57,207	45	57,162	0	51.2%
April	52,591	60	52,531	328	48.6%
May	43,710	140	43,570	11,443	39.0%
June	50,392	57	50,335	95	46.6%
July	46,501	60	46,441	1	41.6%
August	29,843	128	29,716	3	26.6%
September	59,312	24	59,288	16	54.9%
October	62,713	37	62,676	1,770	56.2%
November	64,852	8	64,844	93	60.0%
December	67,274	44	67,230	42	60.2%
Total/Avg	**644,766**	**734**	**644,032**	**17,671**	**49.0%**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Gross Energy (MWh)	57,538	52,831	57,207	52,591	43,710	50,392	46,501	29,843	59,312	62,713	64,852	67,274	**644,766**
Turbine Use (MWh)	92	38	45	60	140	57	60	128	24	37	8	44	**734**
Net Energy (MWh)	57,446	52,793	57,162	52,531	43,570	50,335	46,441	29,716	59,288	62,676	64,844	67,230	**644,032**
Curtailed Energy (MWh)	3,798	82	0	328	11,443	95	1	3	16	1,770	93	42	**17,671**
Availability (%)	94.3	97.5	97.8	98.8	79.3	94.2	98.9	99.1	95.6	92.5	96.6	94.9	**95.0**
Wind Speed* (m/s)	8.9	8.8	8.8	7.7	7.9	8.0	6.1	5.6	8.4	9.4	9.4	9.2	**8.2**
Capacity Factor	51.5%	52.4%	51.2%	48.6%	39.0%	46.6%	41.6%	26.6%	54.9%	56.2%	60.0%	60.2%	**49.1%**

*Wind speed data is reported from 5 towers, 4 on each direction edge, and 1 in the center.

Border Wind Historical Data

	Net Gen (GWh)	Curtailme (GWh)	Capacity (%)	Equiv Avail (%)	Wind Sp (m/s)
2015	32	0	32.5	77.5	7.9
2016	622	1	47.2	95.7	8.0
2017	644	18	49.0	95.0	8.2
2018					
2019					

PLEASANT VALLEY WIND FARM 2017 PRODUCTION SUMMARY	TOTAL ENERGY KWH	MONTHLY CURTAILED KWH	YTD ENERGY KWH	AVG WIND SPEED M/S	MONTHLY AVAILABILITY	NET CAPACITY FACTOR CALCULATIONS								
						TOTAL WTG IN SERVICE	AVG TIME IN SERVICE HRS/WTG	RATED NAMEPLATE CAPACITY KW/WTG	TOTAL POTENTIAL ENERGY KWH/Month	YTD POTENTIAL ENERGY KWH	MONTHLY AVG NET CAPACITY FACTOR	YTD AVG NET CAPACITY FACTOR	2 yr-to-date AVG NET CAPACITY FACTOR	LIFE-TO-DATE AVERAGE NET CAPACITY FACTOR (From 12/08)
Meter # S meter 99870 E 0 0000043380176				5 turbines	Vestas SCADA									
	See Note 1								See Note 2				See Note 4	See Note 5
LTD UP TO PRIOR YR	96,120,617	14		7.7	89.1	100			206,400,000					46.57%
PRIOR YEAR	802,870,055	692,688		7.5	95.7	100			1,756,800,000			46.57%	45.79%	45.79%
JANUARY	80.9													
Gross Energy Produced kWh	67,516,039													
Housepower Used kWH	(52,696)													
JANUARY NET ENERGY	67,463,343	2,162.199	67,463,343	8.0	97.2	100	744	2000	148,800,000	148,800,000	45.34%	45.34%	45.67%	45.76%
FEBRUARY	76.0													
Gross Energy Produced kWh	84,204,446													
Housepower Used KWh	(29,138)													
FEBRUARY NET ENERGY	84,175,308	11,646.094	151,638,651	9.2	96.0	100	672	2000	134,400,000	283,200,000	62.63%	53.54%	46.79%	46.77%
MARCH	74.4													
Gross Energy Produced kWh	83,364,794													
Housepower Used kWH	(17,985)													
MARCH NET ENERGY	83,346,808	1,409.632	234,985,459	8.9	96.9	100	744	2000	148,800,000	432,000,000	56.01%	54.39%	47.42%	47.34%
APRIL	75.0													
Gross Energy Produced kWh	71,957,886													
Housepower Used kWH	(38,597)													
APRIL NET ENERGY	71,919,289	31,691.179	306,904,749	7.7	98.9	100	720	2000	144,000,000	576,000,000	49.94%	53.28%	47.57%	47.49%
MAY	71.1													
Gross Energy Produced kWh	71,216,083													
Housepower Used kWH	(39,365)													
MAY NET ENERGY	71,176,718	1,965.618	378,081,466	7.3	98.5	100	744	2000	148,800,000	724,800,000	47.83%	52.16%	47.59%	47.51%
JUNE	56.4													
Gross Energy Produced kWh	58,500,600													
Housepower Used kWH	(42,577)													
JUNE NET ENERGY	58,458,023	4,410.074	436,539,489	7.2	98.0	100	720	2000	144,000,000	868,800,000	40.60%	50.25%	47.20%	47.16%
JULY	48.2													
Gross Energy Produced kWh	37,256,458													
Housepower Used kWH	(115,720)													
JULY NET ENERGY	37,140,738	2,467.775	473,680,227	5.6	97.3	100	744	2000	148,800,000	1,017,600,000	24.96%	46.55%	46.01%	46.05%
AUGUST	49.2													
Gross Energy Produced kWh	44,197,497													
Housepower Used kWH	(78,992)													
AUGUST NET ENERGY	44,118,505	0	517,798,732	6.0	96.9	100	744	2000	148,800,000	1,166,400,000	29.65%	44.39%	45.18%	45.27%
SEPTEMBER	59.7													
Gross Energy Produced kWh	67,258,624													
Housepower Used kWH	(33,111)													
SEPTEMBER NET ENERGY	67,225,514	0	585,024,246	7.5	97.7	100	720	2000	144,000,000	1,310,400,000	46.68%	44.64%	45.25%	45.33%
OCTOBER	68.2													
Gross Energy Produced kWh	85,989,068													
Housepower Used kWH	(14,095)													
OCTOBER NET ENERGY	85,974,973	72,578.578	670,999,219	8.6	98.5	100	744	2000	148,800,000	1,459,200,000	57.78%	45.98%	45.83%	45.87%
NOVEMBER	75.5													
Gross Energy Produced kWh	83,929,076													
Housepower Used Kwh	(36,984)													
NOVEMBER NET ENERGY	83,892,093	7,598.987	754,891,311	8.4	99.0	100	720	2000	144,000,000	1,603,200,000	58.26%	47.09%	46.36%	46.37%
DECEMBER	78.5													
Gross Energy Produced kWh	78,113,065													
Housepower Used kWH	(57,556)													
DECEMBER NET ENERGY	78,055,509	0	832,946,820	7.8	99.0	100	744	2000	148,800,000	1,752,000,000	52.46%	47.54%	46.62%	46.62%
	813,100,000	0.0%		8.4								46.40%		
TOTAL NET ENERGY	832,946,820	135,930		7.7	97.8	100			1,752,000,000			47.54%		
TOTAL 2-YR NET ENERGY	1,635,816,876	828,618		7.6	96.8	100			3,508,800,000				46.62%	
TOTAL LTD NET ENERGY	1,731,937,492	828,632				100			3,715,200,000					46.62%

Notes:
1. N/A
2. Total Potential Energy in KWH = Number of WTG's In-Service * Average Hours In-Service per WTG per Month * Rated Nameplate Capacity in KW/WTG. All months assume Average Time In-Service is Gross Available hours before any losses, wind availability, equipment availability, etc. and are calculated by (Total # turbines * Total # of days/month * 24 hours/day)/Total # turbines
3. Year-to-Date Average Net Capacity Factor = (Actual Cumulative Year-to-Date Net KWH) / (Cumulative Year-to-Date Max KWH)
4. Two Year Average Net Capacity Factor = (Prior Yr Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (Prior Yr Total Potential Energy + Cumulative Year-to-Date Max KWH)
5. Life-to-Date Average Net Capacity Factor = (L-T-D Total Actual Net KWH thru 2 yrs Prior + Prior Year Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (L-T-D Total Potential Energy thru 2 yrs Prior + Prior Year Total Potential Energy + Cumulative Year-to-Date Max KWH)

PLEASANT VALLEY WIND FARM 2017 PRODUCTION	Gross Energy kWh	Turbine Use kWh	Net Turbine Energy kWh	Monthly Curtailment kWh	AVG Wind Speed* m/s
January	67,516,039	52,696	67,463,343	2,162	8.0
February	84,204,446	29,138	84,175,308	11,646	9.2
March	83,364,794	17,985	83,346,808	1,410	8.9
April	71,957,886	38,597	71,919,289	31,691	7.7
May	71,216,083	39,365	71,176,718	1,966	7.3
June	58,500,600	42,577	58,458,023	4,410	7.2
July	37,256,458	115,720	37,140,738	2,468	5.6
August	44,197,497	78,992	44,118,505	0	6.0
September	67,258,624	33,111	67,225,514	0	7.5
October	85,989,068	14,095	85,974,973	72,579	8.6
November	83,929,076	36,984	83,892,093	7,599	8.4
December	78,113,065	57,556	78,055,509	0	7.8
Total/Avg	**833,503,637**	**556,816**	**832,946,820**	**135,930**	**7.7**

	Gross Energy MWh	Turbine Use MWh	Net Turbine Energy MWh	Monthly Curtailment MWh	Monthly Capacity Factor
January	67,516	53	67,463	2	45.3%
February	84,204	29	84,175	12	62.6%
March	83,365	18	83,347	1	56.0%
April	71,958	39	71,919	32	49.9%
May	71,216	39	71,177	2	47.8%
June	58,501	43	58,458	4	40.6%
July	37,256	116	37,141	2	25.0%
August	44,197	79	44,119	0	29.6%
September	67,259	33	67,226	0	46.7%
October	85,989	14	85,975	73	57.8%
November	83,929	37	83,892	8	58.3%
December	78,113	58	78,056	0	52.5%
Total/Avg	**833,504**	**557**	**832,947**	**136**	**47.5%**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Gross Energy (MWh)	67,516	84,204	83,365	71,958	71,216	58,501	37,256	44,197	67,259	85,989	83,929	78,113	**833,504**
Turbine Use (MWh)	53	29	18	39	39	43	116	79	33	14	37	58	**557**
Net Energy (MWh)	67,463	84,175	83,347	71,919	71,177	58,458	37,141	44,119	67,226	85,975	83,892	78,056	**832,947**
Curtailed Energy (MWh)	2	12	1	32	2	4	2	0	0	73	8	0	**136**
Availability (%)	97.2	96.0	96.9	98.9	98.5	98.0	97.3	96.9	97.7	98.5	99.0	99.0	**97.8**
Wind Speed* (m/s)	8.0	9.2	8.9	7.7	7.3	7.2	5.6	6.0	7.5	8.6	8.4	7.8	**7.7**
Capacity Factor	45.3%	62.6%	56.0%	49.9%	47.8%	40.6%	25.0%	29.6%	46.7%	57.8%	58.3%	52.5%	**47.7%**

*Wind speed data is reported from 5 towers, 4 on each direction edge, and 1 in the center.

Pleasant Valley Historical Data

	Net Gen (GWh)	Curtailment (GWh)	Capacity (%)	Equiv Avail (%)	Wind Sp (m/s)
2015	96	0	46.6	89.1	7.5
2016	803	1	45.7	95.7	7.5
2017	834	0	47.7	97.8	7.7
2018					
2019					

COURTENAY WIND FARM 2017 PRODUCTION SUMMARY Meter # 8_E_00_000014090798	TOTAL ENERGY KWH See Note 1	MONTHLY CURTAILED KWH	YTD ENERGY KWH	AVG WIND SPEED M/S 5 turbines	MONTHLY AVAILABILITY Vestas SCADA	NET CAPACITY FACTOR CALCULATIONS TOTAL WTG IN SERVICE	AVG TIME IN SERVICE HRS/WTG	RATED NAMEPLATE CAPACITY KW/WTG	TOTAL POTENTIAL ENERGY KWH/Month See Note 2	YTD POTENTIAL ENERGY KWH	MONTHLY AVG NET CAPACITY FACTOR	YTD AVG NET CAPACITY FACTOR	2 yr-to-date AVG NET CAPACITY FACTOR See Note 4	LIFE-TO-DATE AVERAGE NET CAPACITY FACTOR (From 12/08) See Note 5
LTD UP TO PRIOR YR	86,382,029	0				100			148,800,000					58.05%
PRIOR YEAR	86,382,029	0		10.1	91.8	100			148,800,000			58.05%	45.42%	58.05%
JANUARY	75.0													
Gross Energy Produced kWh	79,039,771													
Housepower Used kWH	(26,241)													
JANUARY NET ENERGY	79,013,530	0	79,013,530	8.5	97.0	100	744	2000	148,800,000	148,800,000	53.10%	53.10%	55.58%	56.40%
FEBRUARY	71.1													
Gross Energy Produced kWh	66,827,026													
Housepower Used KWh	(56,101)													
FEBRUARY NET ENERGY	66,770,925	0	145,784,455	8.0	96.8	100	672	2000	134,400,000	283,200,000	49.68%	51.48%	53.74%	54.85%
MARCH	74.6													
Gross Energy Produced kWh	64,802,820													
Housepower Used kWH	(67,738)													
MARCH NET ENERGY	64,735,082	13,000	210,519,537	8.0	95.2	100	744	2000	148,800,000	432,000,000	43.50%	48.73%	51.12%	52.53%
APRIL	73.7													
Gross Energy Produced kWh	60,036,974													
Housepower Used kWH	(78,720)													
APRIL NET ENERGY	59,958,253	1,000	270,477,790	7.3	95.7	100	720	2000	144,000,000	576,000,000	41.64%	46.96%	49.24%	50.74%
MAY	74.7													
Gross Energy Produced kWh	67,682,294													
Housepower Used kWH	(42,230)													
MAY NET ENERGY	67,640,064	33,000	338,117,854	8.6	96.5	100	744	2000	148,800,000	724,800,000	45.46%	46.65%	48.59%	49.97%
JUNE	60.0													
Gross Energy Produced kWh	58,537,360													
Housepower Used kWH	(66,187)													
JUNE NET ENERGY	58,471,173	57,000	396,589,026	7.3	95.9	100	720	2000	144,000,000	868,800,000	40.60%	45.65%	47.46%	48.81%
JULY	49.3													
Gross Energy Produced kWh	42,978,071													
Housepower Used kWH	(60,458)													
JULY NET ENERGY	42,917,613	0	439,506,639	6.3	96.3	100	744	2000	148,800,000	1,017,600,000	28.84%	43.19%	45.09%	46.55%
AUGUST	52.5													
Gross Energy Produced kWh	34,633,139													
Housepower Used kWH	(144,334)													
AUGUST NET ENERGY	34,488,805	50,310	473,995,445	5.5	98.6	100	744	2000	148,800,000	1,166,400,000	23.18%	40.64%	42.61%	44.18%
SEPTEMBER	62.0													
Gross Energy Produced kWh	60,025,621													
Housepower Used kWH	(37,961)													
SEPTEMBER NET ENERGY	59,987,660	306,950	533,983,104	7.3	97.6	100	720	2000	144,000,000	1,310,400,000	41.66%	40.75%	42.51%	43.95%
OCTOBER	69.3													
Gross Energy Produced kWh	75,339,352													
Housepower Used kWH	(34,821)													
OCTOBER NET ENERGY	75,304,531	1,254,780	609,287,636	8.8	91.2	100	744	2000	148,800,000	1,459,200,000	50.61%	41.75%	43.26%	44.52%
NOVEMBER	72.6													
Gross Energy Produced kWh	71,017,352													
Housepower Used Kwh	(36,491)													
NOVEMBER NET ENERGY	70,980,862	0	680,268,498	8.2	98.0	100	720	2000	144,000,000	1,603,200,000	49.29%	42.43%	43.76%	44.88%
DECEMBER	73.0													
Gross Energy Produced kWh	76,167,832													
Housepower Used kWH	(35,025)													
DECEMBER NET ENERGY	76,132,807	0	756,401,305	8.6	96.6	100	744	2000	148,800,000	1,752,000,000	51.16%	43.17%	44.34%	45.33%
	807,800,000	0.2%		8.2								46.10%		
TOTAL NET ENERGY	756,401,305	1,716,040		7.7	96.3	100			1,752,000,000			43.17%		
TOTAL 2-YR NET ENERGY	842,783,333	1,716,040		8.9	94.0	100			1,900,800,000				44.34%	
TOTAL LTD NET ENERGY	929,165,362	1,716,040				100			2,049,600,000					45.33%

Notes:
1. N/A
2. Total Potential Energy in KWH = Number of WTG's In-Service * Average Hours In-Service per WTG per Month * Rated Nameplate Capacity in KW/WTG. All months assume Average Time In-Service is Gross Available hours before any losses, wind availability, equipment availability, etc. and are calculated by (Total #
3. Year-to-Date Average Net Capacity Factor = (Actual Cumulative Year-to-Date Net KWH) / (Cumulative Year-to-Date Max KWH)
4. Two Year Average Net Capacity Factor = (Prior Yr Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (Prior Yr Total Potential Energy +
5. Life-to-Date Average Net Capacity Factor = (L-T-D Total Actual Net KWH thru 2 yrs Prior + Prior Year Total Actual Net KWH + Actual Cumulative Year-to-Date Net KWH) / (L-T-D Total Potential Energy thru 2 yrs Prior + Prior Year Total Potential Energy + Cumulative Year-to-Date Max KWH)

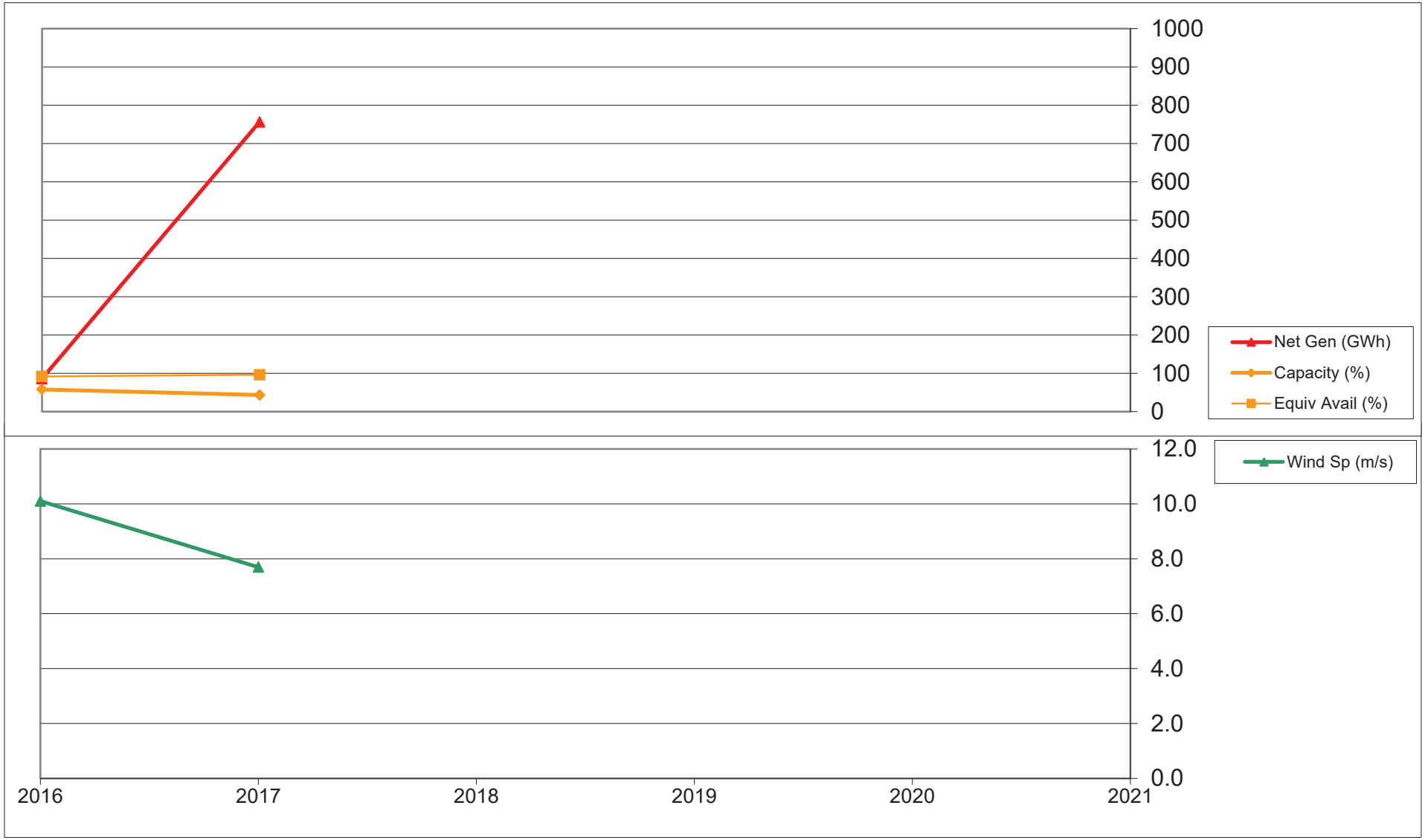
COURTENAY WIND FARM 2017 PRODUCTION	Gross Energy kWh	Turbine Use kWh	Net Turbine Energy kWh	Monthly Curtailment kWh	AVG Wind Speed* m/s
January	79,039,771	26,241	79,013,530	0	8.5
February	66,827,026	56,101	66,770,925	0	8.0
March	64,802,820	67,738	64,735,082	13,000	8.0
April	60,036,974	78,720	59,958,253	1,000	7.3
May	67,682,294	42,230	67,640,064	33,000	8.6
June	58,537,360	66,187	58,471,173	57,000	7.3
July	42,978,071	60,458	42,917,613	0	6.3
August	34,633,139	144,334	34,488,805	50,310	5.5
September	60,025,621	37,961	59,987,660	306,950	7.3
October	75,339,352	34,821	75,304,531	1,254,780	8.8
November	71,017,352	36,491	70,980,862	0	8.2
December	76,167,832	35,025	76,132,807	0	8.6
Total/Avg	**757,087,611**	**686,306**	**756,401,305**	**1,716,040**	**7.7**

	Gross Energy MWh	Turbine Use MWh	Net Turbine Energy MWh	Monthly Curtailment MWh	Monthly Capacity Factor
January	79,040	26	79,014	0	53.1%
February	66,827	56	66,771	0	49.7%
March	64,803	68	64,735	13	43.5%
April	60,037	79	59,958	1	41.6%
May	67,682	42	67,640	33	45.5%
June	58,537	66	58,471	57	40.6%
July	42,978	60	42,918	0	28.8%
August	34,633	144	34,489	50	23.2%
September	60,026	38	59,988	307	41.7%
October	75,339	35	75,305	1,255	50.6%
November	71,017	36	70,981	0	49.3%
December	76,168	35	76,133	0	51.2%
Total/Avg	**757,088**	**686**	**756,401**	**1,716**	**43.2%**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Gross Energy (MWh)	79,040	66,827	64,803	60,037	67,682	58,537	42,978	34,633	60,026	75,339	71,017	76,168	**757,088**
Turbine Use (MWh)	26	56	68	79	42	66	60	144	38	35	36	35	**686**
Net Energy (MWh)	79,014	66,771	64,735	59,958	67,640	58,471	42,918	34,489	59,988	75,305	70,981	76,133	**756,401**
Curtailed Energy (MWh)	0	0	13	1	33	57	0	50	307	1,255	0	0	**1,716**
Availability (%)	97.0	96.8	95.2	95.7	96.5	95.9	96.3	98.6	97.6	91.2	98.0	96.6	**96.3**
Wind Speed* (m/s)	8.5	8.0	8.0	7.3	8.6	7.3	6.3	5.5	7.3	8.8	8.2	8.6	**7.7**
Capacity Factor	53.1%	49.7%	43.5%	41.6%	45.5%	40.6%	28.8%	23.2%	41.7%	50.6%	49.3%	51.2%	**43.2%**

*Wind speed data is reported from 5 towers, 4 on each direction edge, and 1 in the center.

Courtenay Historical Data



	Net Gen (GWh)	Curtailme (GWh)	Capacity (%)	Equiv Avail (%)	Wind Sp (m/s)
2016	86	0	58.1	91.8	10.1
2017	756	2	43.2	96.3	7.7
2018					
2019					