

ILLINOIS GENERATION LLC

SHADOW FLICKER ANALYSIS

HERITAGE PRAIRIE WIND PROJECT

PROJECT NO. 132138

REVISION 5

FEBRUARY 20, 2024

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List of Abbreviations

Abbreviation	Term/Phrase/Name
Burns & McDonnell	Burns & McDonnell Engineering Company, Inc.
Client	Illinois Generation LLC
hr	Hour
kg/m ³	Kilograms per cubic meter
m	Meter
m/s	Meters per second
MW	Megawatt
Project	Heritage Prairie Wind Project
Project Site	Location of Project in Livingston and Kankakee County, Illinois
Study	Shadow Flicker Analysis
yr	Year
V	Vestas

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1.0 Introduction

1.1 Study Overview

Burns & McDonnell Engineering Company, Inc. (“Burns & McDonnell”) was retained by Illinois Generation LLC (“Client”) to conduct a shadow flicker analysis (the “Study”) for the proposed Heritage Prairie Wind Project (the “Project”). The objective of the Study was to estimate the annual frequency of shadow flicker on occupied residences caused by Project wind turbines.

1.2 Project Overview

The proposed Heritage Prairie Wind will be located in Livingston and Kankakee County, Illinois, approximately 15 miles west of the city of Kankakee. The Project will include up to a quantity of 137 Vestas (“V”) 163-4.5 wind turbine generators with a nameplate capacity of approximately 4.5 megawatts per turbine, as summarized in Section 2.2 below. It is noted that only 71 of the proposed wind turbine generators are expected to be installed within Livingston County.

1.3 Shadow Flicker Overview

Shadow flicker occurs when wind turbine blades pass in front of the sun to create recurring shadows on an object. Such shadows occur only under very specific conditions, including sun position, wind direction, time of day, and other similar factors.

The intensity of shadow flicker varies significantly with distance, and as separation between a turbine and receptor increases, shadow flicker intensity correspondingly diminishes. Shadow flicker intensity for distances greater than 10 rotor diameters is generally considered imperceptible. At such distances, shadow flicker most commonly occurs at sunrise or sunset, when cast shadows are sufficiently long.

1.4 Applicable Regulations

Shadow flicker impacts are not currently regulated in applicable federal or state law. However, Section 56.619.E of the Livingston County Ordinance states the following:

Section 56.619.E: Shadow flicker shall not affect an occupied building or non-participating residence in excess of 30 hours per year under planned operating conditions. Planned operating conditions is defined as those conditions that would exist if the sun were to shine every day of the year with no cloud cover.

The Project is seeking a variance to model the shadow flicker impacts from estimated sunshine probability instead of planned operating conditions. As such, this report identifies shadow flicker durations for receptors that may experience flicker in excess of 30 hours per year under estimated sunshine conditions.

1.5 Site Visit

Burns & McDonnell did not visit the Project Site as part of this Study. The contents of this evaluation are based exclusively upon desktop analysis by Burns & McDonnell.

2.0 Modeling Parameters and Inputs

2.1 Modeling Overview

Shadow flicker was modeled for the Project Site using WindPRO, an industry-leading software package for the design and planning of wind energy projects. This package models the sun's path with respect to every turbine location during every minute over a complete year. Any shadow flicker caused by each turbine is then aggregated for each receptor for the entire year.

The following sections are summaries of the inputs utilized in the WindPRO model for this Study.

2.2 Wind Turbines

The Project will include up to 137 wind turbines when constructed. A summary of the turbine model and its respective dimensions that was modeled as part of this Study is included in Table 2-1.

Table 2-1: Turbine Model Dimensions

Turbine Model	Hub Height [m]	Rotor Diameter [m]	County	Quantity
V163-4.5	113.0	163	Livingston Kankakee	71 66

Shadow flicker intensity is partially dependent upon the distance from a receptor to the turbine causing the shadow. The client-provided coordinates of each wind turbine are presented in Appendix A and the location of each wind turbine is presented graphically in Appendix D.

2.3 Receptors

A quantity of 1,177 receptors were modeled at the Project Site, although only the 287 receptors located in Livingston County are evaluated in this report. The client-provided coordinates of each receptor are presented in Appendix C and the location of each receptor is presented graphically in Appendix D. Burns & McDonnell did not provide an independent verification of the location or occupied status of these receptors.

Each receptor was modeled in “green house” mode within the WindPRO model. This approach provides a conservative estimate of the amount of time when shadow flicker could occur by modeling each receptor as having windows on all sides and effectively causing the home to be susceptible to flicker effects in all directions.

2.4 Terrain

The WindPRO model utilizes topography data to place turbines and receptors at the proper elevations. This information is also used by the model to consider any natural land features between a turbine and a receptor that may block shadows from being seen at a receptor.

Publicly-available terrain data was downloaded from the National Elevation Dataset, a product of the United States Geological Survey. The 10-meter resolution digital elevation model was exported at 10-foot intervals for use in the WindPRO model. Elevations were assigned by Burns & McDonnell to each turbine and each receptor using this data.

2.5 Obstacles

Obstacles located between a receptor and a turbine, such as trees or buildings, may significantly reduce or eliminate the duration and/or intensity of shadow flicker. However, to provide the most conservative estimate of the amount of time when shadow flicker could occur, no attempt was made to model the presence of potential obstacles.

2.6 Turbine Operation

Shadow flicker is contingent upon the movement of the turbine blades. Shadow flicker can only occur when the turbine is in operation (i.e., when the turbine blades are rotating). Moreover, shadow flicker is generally most notable when a turbine is facing a receptor, as this results in the widest-possible shadow being cast. To more accurately reflect the periods of operation of each Project wind turbine, on-site hub-height wind data was provided by Illinois Generation LLC and used to indicate the periods when the turbines are inactive due to wind speeds below the turbine cut-in speed or above the turbine cut-out speed, at which time the turbine rotor is not in motion and no shadow flicker will occur.

Project Site-specific wind data was also utilized to model the actual orientation of the turbines relative to each receptor. The client-provided wind data includes data collected by an on-site meteorological mast, as shown in Appendix B.

Power curves for the proposed turbines were provided by Illinois Generation LLC. These power curves were added to the WindPRO model to more accurately reflect the turbine's operational characteristics.

2.7 Flicker Relevance

At distances beyond 10 rotor diameters, shadow flicker effects are generally considered low, as shadows diffuse and become imperceptible. Thus, a distance equal to 10 times the rotor diameter of each turbine (i.e., 1,630 meters) was modeled as the maximum distance at which shadow flicker was considered relevant; receptors greater than this distance from a given turbine were not evaluated. The proximity of this buffer relative to each receptor is presented graphically in Appendix D.

2.8 Sun Angle

The sun's path with respect to each turbine location is calculated by the WindPRO model to determine the cast shadow paths during every minute over a complete year. However, at very low sun angles, the light must pass through more atmosphere and becomes too diffused to form a coherent shadow. Thus, a value of three (3) degrees was utilized for the height at which the sun would not cause noticeable flicker.

2.9 Environment

Shadow flicker is only caused when the sun is shining. Sunshine probability data was obtained by Burns & McDonnell, as shown in Appendix B. This data represents the percentage of hours each month that the sun is expected to be shining during daylight hours, with consideration given for cloud cover, rainy days, fog, or other similar occurrences that may diminish the potential occurrence or severity of shadow flicker.

3.0 Results

Using the inputs and parameters defined in Section 2.0, the WindPRO model was used to calculate shadow flicker for the identified receptors at the Project Site. Table 3-1 presents a summary of these results, while detailed tables are included within Appendix C. Additionally, maps are provided in Appendix D that illustrate the shadow flicker vectors (in hours per year) caused by each Project turbine.

Table 3-1: Summary of Results

Turbine Layout	No. of Turbines	No. of Receptors	No. of Participating Receptors, Flicker \geq 30 hr/yr	No. of Non-Participating Receptors, Flicker \geq 30 hr/yr
137 x V163-4.5	71	289	5	19

The following is a set of key observations from the results of the Study:

- With the current layout, 24 out of the 289 known receptors in Livingston County exceed 30 hours per year of shadow flicker. Five receptors are participating residences, and 19 of the receptors are non-participating residences. Refer to Appendix C for a complete listing of results.
- With the current layout, one of the 31 known receptors in Grundy County exceeds 30 hours per year of shadow flicker. The receptor is non-participating. Refer to Appendix C for a complete listing of results.
- For the layout analyzed within this report, there are no Livingston County receptors modeled to have more than 30 hours per year of shadow flicker that are impacted by a wind turbine located in Kankakee County.
- For the layout analyzed within this report, there are no Kankakee County receptors modeled to have more than 30 hours per year of shadow flicker that are impacted by a wind turbine located in Livingston County. A Shadow Flicker Analysis report for Kankakee residences will be issued to Kankakee County for their permit process.
- The majority of observed shadow flicker on each receptor occurs during early morning and/or late afternoon and evening hours, as shown in Appendix E.
- The Study was performed using a conservative modeling approach with Project Site-specific conditions. For example, the Study modeled each receptor as a “green house”, meaning each receptor was modeled as having windows on all sides and effectively causing the home to be susceptible to flicker effects in all directions. Further, the Project Site was modeled as if no obstacles were present, including trees or buildings, which may significantly reduce or eliminate the duration and/or intensity of shadow flicker at a receptor. Due to the conservative approach of the Study, the actual duration and intensity of shadow flicker experienced at each receptor is expected to be less than those reported in the Study.

- Notwithstanding any shadow flicker which may occur at the Project Site, mitigation techniques will be utilized to reduce the shadow flicker on non-participating residences with more than 30 hours/year. Mitigation technique will include operational curtailment of nearby wind turbine(s) to reduce the shadow flicker on non-participating residences to below 30 hours per year.

APPENDIX A - WIND TURBINE COORDINATES

Table A-1: Wind Turbine Coordinates

Turbine Number	Easting [m]	Northing [m]	County	Wind Turbine Model
L2	381,361.00	4,544,257.00	Livingston	V163-4.5
L4	381,816.00	4,546,429.00	Livingston	V163-4.5
L5	382,070.00	4,544,279.00	Livingston	V163-4.5
L6	381,925.00	4,544,708.00	Livingston	V163-4.5
L9	382,125.04	4,547,319.23	Livingston	V163-4.5
L11	383,064.11	4,547,990.80	Livingston	V163-4.5
L13	383,451.89	4,548,337.22	Livingston	V163-4.5
L16	384,192.46	4,549,256.75	Livingston	V163-4.5
L17	384,386.92	4,547,995.63	Livingston	V163-4.5
L18	384,583.00	4,544,166.00	Livingston	V163-4.5
L20	385,102.17	4,550,784.87	Livingston	V163-4.5
L21	385,071.93	4,546,681.32	Livingston	V163-4.5
L24	385,327.49	4,551,792.47	Livingston	V163-4.5
L26	385,404.65	4,544,325.80	Livingston	V163-4.5
L27	385,810.09	4,550,621.79	Livingston	V163-4.5
L28	385,885.23	4,548,362.05	Livingston	V163-4.5
L29	385,853.98	4,545,095.91	Livingston	V163-4.5
L30	385,289.70	4,547,880.43	Livingston	V163-4.5
L31	386,221.46	4,551,805.79	Livingston	V163-4.5
L32	386,240.00	4,551,283.00	Livingston	V163-4.5
L33	386,290.00	4,549,180.00	Livingston	V163-4.5
L34	386,390.53	4,543,055.86	Livingston	V163-4.5
L35	386,549.82	4,548,830.46	Livingston	V163-4.5
L37	386,551.62	4,550,785.72	Livingston	V163-4.5
L38	386,431.80	4,545,114.01	Livingston	V163-4.5
L39	386,681.91	4,547,214.88	Livingston	V163-4.5
L40	386,667.22	4,547,668.61	Livingston	V163-4.5
L42	387,356.43	4,546,536.25	Livingston	V163-4.5
L43	387,102.25	4,549,887.51	Livingston	V163-4.5
L46	387,185.13	4,545,989.82	Livingston	V163-4.5
L47	387,424.00	4,551,680.00	Livingston	V163-4.5
L50	387,523.53	4,545,598.28	Livingston	V163-4.5
L56	387,898.68	4,549,880.06	Livingston	V163-4.5
L58	388,250.88	4,549,618.75	Livingston	V163-4.5
L60	388,312.34	4,546,468.55	Livingston	V163-4.5
L61	388,913.89	4,542,372.09	Livingston	V163-4.5
L62	389,166.24	4,544,737.58	Livingston	V163-4.5
L63	388,988.92	4,548,936.46	Livingston	V163-4.5
L64	389,090.61	4,542,919.34	Livingston	V163-4.5

Turbine Number	Easting [m]	Northing [m]	County	Wind Turbine Model
L65	389,017.00	4,549,550.00	Livingston	V163-4.5
L66	389,550.78	4,543,506.68	Livingston	V163-4.5
L68	389,205.93	4,547,553.94	Livingston	V163-4.5
L69	389,368.99	4,544,245.76	Livingston	V163-4.5
L70	389,753.95	4,549,130.87	Livingston	V163-4.5
L71	389,688.00	4,544,833.00	Livingston	V163-4.5
L73	390,552.29	4,543,981.09	Livingston	V163-4.5
L74	389,914.84	4,547,267.68	Livingston	V163-4.5
L76	390,763.00	4,545,123.00	Livingston	V163-4.5
L77	390,635.41	4,546,473.05	Livingston	V163-4.5
L79	390,915.04	4,544,352.12	Livingston	V163-4.5
L80	391,121.53	4,543,520.11	Livingston	V163-4.5
L81	391,171.72	4,547,434.46	Livingston	V163-4.5
L82	391,519.99	4,548,102.40	Livingston	V163-4.5
L86	391,573.53	4,544,332.95	Livingston	V163-4.5
L87	391,593.26	4,543,154.59	Livingston	V163-4.5
L89	392,285.00	4,544,337.00	Livingston	V163-4.5
L91	392,388.00	4,543,159.00	Livingston	V163-4.5
L95	393,610.18	4,547,569.27	Livingston	V163-4.5
L97	394,019.45	4,547,239.51	Livingston	V163-4.5
L98	394,441.00	4,544,333.00	Livingston	V163-4.5
L99	385,356.22	4,548,965.31	Livingston	V163-4.5
L104	387,524.09	4,547,973.19	Livingston	V163-4.5
L105	387,748.00	4,547,426.00	Livingston	V163-4.5
L106	388,010.71	4,548,251.03	Livingston	V163-4.5
L107	386,769.02	4,541,528.83	Livingston	V163-4.5
L109	382,048.05	4,543,185.86	Livingston	V163-4.5
L110	384,699.11	4,547,194.88	Livingston	V163-4.5
L111	385,285.02	4,548,361.90	Livingston	V163-4.5
L113	389,699.81	4,549,713.65	Livingston	V163-4.5
L120	381,666.69	4,545,849.66	Livingston	V163-4.5
L121	381,200.04	4,545,028.89	Livingston	V163-4.5
K3	395281.074	4549007.691	Kankakee	V-163-4.5
K6	395620.044	4545704.363	Kankakee	V-163-4.5
K7	395997.566	4545125.507	Kankakee	V-163-4.5
K8	396005.758	4551883.647	Kankakee	V-163-4.5
K9	396128.115	4544672.746	Kankakee	V-163-4.5
K11	396156.644	4551397.009	Kankakee	V-163-4.5
K12	396327.427	4549165.186	Kankakee	V-163-4.5
K13	396413.5193	4550737.04	Kankakee	V-163-4.5
K18	397718.909	4545992.763	Kankakee	V-163-4.5

Turbine Number	Easting [m]	Northing [m]	County	Wind Turbine Model
K20	397945.873	4544468.977	Kankakee	V-163-4.5
K23	398814.24	4552798.76	Kankakee	V-163-4.5
K24	398818.416	4550874.894	Kankakee	V-163-4.5
K28	399561.998	4553258	Kankakee	V-163-4.5
K29	399639.386	4554438.526	Kankakee	V-163-4.5
K32	400936.047	4552859.426	Kankakee	V-163-4.5
K34	401674.671	4552829.576	Kankakee	V-163-4.5
K36	402061.209	4549323.189	Kankakee	V-163-4.5
K38	402423.723	4548540.559	Kankakee	V-163-4.5
K42	403380.164	4552860.661	Kankakee	V-163-4.5
K43	403383.797	4543147.203	Kankakee	V-163-4.5
K46	403800.152	4546966.736	Kankakee	V-163-4.5
K47	404149.701	4546564.121	Kankakee	V-163-4.5
K48	404153.869	4542966.741	Kankakee	V-163-4.5
K50	404204	4549386	Kankakee	V-163-4.5
K51	404241	4543393	Kankakee	V-163-4.5
K54	405427.151	4542972.603	Kankakee	V-163-4.5
K55	405923.071	4551027.689	Kankakee	V-163-4.5
K56	406528.679	4549391.028	Kankakee	V-163-4.5
K57	407020	4549985	Kankakee	V-163-4.5
K60	408245.014	4549173.289	Kankakee	V-163-4.5
K61	408601.411	4551113.962	Kankakee	V-163-4.5
K62	408948.895	4549180.655	Kankakee	V-163-4.5
K66	410661.175	4551910.674	Kankakee	V-163-4.5
K70	412242.942	4546288.678	Kankakee	V-163-4.5
K73	413430.324	4545438.159	Kankakee	V-163-4.5
K74	413444.927	4546319.628	Kankakee	V-163-4.5
K77	413843.915	4548786.006	Kankakee	V-163-4.5
K78	413852.775	4547006.046	Kankakee	V-163-4.5
K79	413941.998	4548346	Kankakee	V-163-4.5
K81	415037.105	4548122.645	Kankakee	V-163-4.5
K82	395262.6349	4544802.185	Kankakee	V-163-4.5
K83	395306.8345	4544312.657	Kankakee	V-163-4.5
K84	396075.3508	4544051.372	Kankakee	V-163-4.5
K85	396078.0493	4543486.052	Kankakee	V-163-4.5
K86	396907.3069	4544421.172	Kankakee	V-163-4.5
K89	397991.9409	4553193.113	Kankakee	V-163-4.5
K90	399359.406	4547498.183	Kankakee	V-163-4.5
K91	401746.1834	4548438.867	Kankakee	V-163-4.5
K92	402684.941	4544536.735	Kankakee	V-163-4.5
K93	402801.0891	4552853.335	Kankakee	V-163-4.5

Turbine Number	Easting [m]	Northing [m]	County	Wind Turbine Model
K94	405277.613	4549798.946	Kankakee	V-163-4.5
K98	408943	4549625	Kankakee	V-163-4.5
K99	412148.9591	4551162.53	Kankakee	V-163-4.5
K101	413964.27	4547877.449	Kankakee	V-163-4.5
K107	403449.3151	4547864.506	Kankakee	V-163-4.5
K109	402505.7544	4546522.211	Kankakee	V-163-4.5
K110	402566.6017	4545836.393	Kankakee	V-163-4.5
K200	413349.686	4548769.322	Kankakee	V-163-4.5
K202	413355.363	4546847.651	Kankakee	V-163-4.5
K204	403450.341	4546259.638	Kankakee	V-163-4.5
K205	413273.159	4548044.53	Kankakee	V-163-4.5
K206	395502.525	4546400.533	Kankakee	V-163-4.5
K500	398791.958	4547751.65	Kankakee	V-163-4.5
K501	404122.6871	4543732.634	Kankakee	V-163-4.5
K502	395701.493	4551330.357	Kankakee	V-163-4.5
K503	402613.3143	4548066.687	Kankakee	V-163-4.5

Notes:

[1] Coordinates presented in UTM NAD83 Zone 16N (meters)

[2] Coordinates provided by Illinois Generation LLC via "HP_K3_LO6ROOBA02_V163-4.5_66WTG_with_PMETs_20240109.shp" and "HP_Livingston_L12ROOBA06_71WTG_with_PMTs.shp" on January 11, 2024

APPENDIX B - MODELING INPUT

Figure B-1: Monthly Sunshine Probability Data for Herscher, Illinois

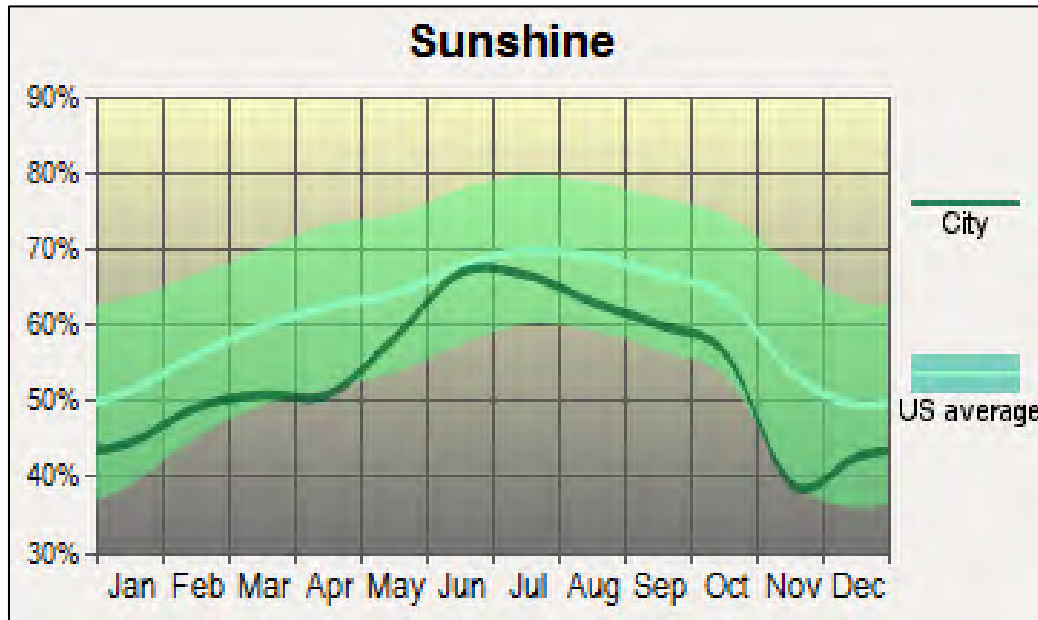


Table B-1: Sunshine Probability Data for Herscher, Illinois

Month	Estimated Sunshine Probability
January	45%
February	49%
March	51%
April	52%
May	59%
June	68%
July	66%
August	63%
September	60%
October	56%
November	40%
December	43%

Notes:

[1] Data source: <http://www.city-data.com/city/Herscher-Illinois.html>

[2] Data location: Herscher, Illinois

[3] Data in Figure estimated by Burns & McDonnell from source data in Figure B-1

APPENDIX C - FLICKER RESULTS BY RECEPTOR

Table C-1: Flicker Results by Receptor

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-001	380,314	4,545,525	Non-Participating	Livingston	12.40
REC-002	380,545	4,544,359	Non-Participating	Livingston	16.25
REC-003	380,705	4,547,583	Non-Participating	Livingston	2.80
REC-004	380,705	4,546,736	Non-Participating	Livingston	13.52
REC-005	380,718	4,546,973	Non-Participating	Livingston	8.87
REC-006	380,721	4,545,199	Non-Participating	Livingston	30.05
REC-007	380,787	4,548,011	Non-Participating	Livingston	2.88
REC-008	380,738	4,544,529	Non-Participating	Livingston	26.20
REC-009	380,715	4,542,026	Non-Participating	Livingston	0.00
REC-010	380,808	4,544,757	Non-Participating	Livingston	26.65
REC-011	380,902	4,548,517	Non-Participating	Livingston	0.00
REC-012	380,830	4,543,259	Non-Participating	Livingston	4.53
REC-013	380,967	4,541,639	Non-Participating	Livingston	0.00
REC-014	381,011	4,542,841	Non-Participating	Livingston	12.43
REC-015	381,015	4,542,792	Non-Participating	Livingston	17.38
REC-016	381,105	4,547,011	Non-Participating	Livingston	24.83
REC-017	381,178	4,545,956	Participating	Livingston	29.50
REC-018	381,318	4,540,451	Non-Participating	Livingston	0.00
REC-019	381,625	4,546,986	Non-Participating	Livingston	0.00
REC-020	381,605	4,543,611	Non-Participating	Livingston	23.67
REC-021	381,719	4,548,523	Non-Participating	Livingston	3.13
REC-022	381,660	4,543,617	Non-Participating	Livingston	21.27
REC-023	381,752	4,543,606	Non-Participating	Livingston	18.23
REC-024	381,946	4,542,135	Non-Participating	Livingston	0.00
REC-025	381,998	4,545,282	Non-Participating	Livingston	11.10
REC-026	381,941	4,540,448	Non-Participating	Livingston	0.00
REC-027	382,078	4,543,763	No Residential Structure	Livingston	0.00
REC-028	382,184	4,546,036	Participating	Livingston	26.00
REC-029	382,348	4,551,947	Non-Participating	Livingston	0.00
REC-030	382,452	4,541,947	Non-Participating	Livingston	0.00
REC-031	382,665	4,548,537	Non-Participating	Livingston	15.03
REC-032	382,713	4,550,276	Non-Participating	Livingston	0.00
REC-033	382,890	4,550,140	Non-Participating	Livingston	4.57
REC-034	382,944	4,552,817	Non-Participating	Grundy	0.00
REC-035	382,851	4,544,716	Non-Participating	Livingston	22.90

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-036	383,013	4,551,947	Non-Participating	Livingston	0.00
REC-037	382,989	4,540,403	Non-Participating	Livingston	0.00
REC-038	383,209	4,552,030	Non-Participating	Grundy	0.00
REC-039	383,162	4,543,493	Non-Participating	Livingston	13.18
REC-040	383,187	4,542,160	Non-Participating	Livingston	0.00
REC-041	383,340	4,550,225	No Residential Structure	Livingston	0.00
REC-042	383,363	4,540,632	Non-Participating	Livingston	0.00
REC-043	383,498	4,545,392	Non-Participating	Livingston	0.00
REC-044	383,707	4,551,972	Non-Participating	Livingston	0.00
REC-045	383,808	4,552,042	Non-Participating	Grundy	2.33
REC-046	383,747	4,542,524	Non-Participating	Livingston	0.00
REC-047	383,787	4,541,660	Non-Participating	Livingston	0.00
REC-048	383,903	4,548,606	Participating	Livingston	48.35
REC-049	383,927	4,547,436	Non-Participating	Livingston	22.78
REC-050	383,985	4,550,756	Non-Participating	Livingston	5.87
REC-051	383,959	4,546,943	Non-Participating	Livingston	35.80
REC-052	384,023	4,550,261	Non-Participating	Livingston	10.68
REC-053	384,080	4,548,493	Non-Participating	Livingston	44.55
REC-054	383,954	4,540,309	Non-Participating	Livingston	0.00
REC-055	384,054	4,544,572	Non-Participating	Livingston	28.37
REC-056	384,069	4,543,690	Non-Participating	Livingston	8.63
REC-057	384,071	4,541,725	Non-Participating	Livingston	0.00
REC-058	384,150	4,540,797	Non-Participating	Livingston	0.00
REC-059	384,369	4,552,050	Non-Participating	Grundy	7.20
REC-060	384,490	4,552,075	Non-Participating	Grundy	9.60
REC-061	384,568	4,552,521	Non-Participating	Grundy	4.58
REC-062	384,574	4,550,144	Non-Participating	Livingston	9.85
REC-063	384,598	4,548,702	Non-Participating	Livingston	51.82
REC-064	384,535	4,542,155	Non-Participating	Livingston	0.00
REC-065	384,615	4,545,527	Non-Participating	Livingston	3.95
REC-066	384,737	4,550,136	Non-Participating	Livingston	14.08
REC-067	384,802	4,550,139	Non-Participating	Livingston	12.38
REC-068	385,005	4,543,637	Non-Participating	Livingston	2.87
REC-069	385,342	4,543,785	Participating	Livingston	26.18
REC-070	385,514	4,551,256	Non-Participating	Livingston	35.47
REC-071	385,532	4,549,542	Non-Participating	Livingston	25.50
REC-072	385,550	4,549,430	Participating	Livingston	25.37

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-073	385,534	4,547,008	Non-Participating	Livingston	54.97
REC-074	385,567	4,545,682	Non-Participating	Livingston	10.35
REC-075	385,551	4,542,065	Non-Participating	Livingston	3.97
REC-076	385,658	4,547,470	Non-Participating	Livingston	30.35
REC-077	385,754	4,553,592	No Residential Structure	Grundy	0.00
REC-078	385,771	4,552,272	Non-Participating	Grundy	32.57
REC-079	385,705	4,542,027	Non-Participating	Livingston	5.38
REC-080	386,052	4,553,101	Non-Participating	Grundy	0.00
REC-081	385,872	4,540,467	Non-Participating	Livingston	0.00
REC-082	385,982	4,543,639	Non-Participating	Livingston	4.82
REC-083	386,116	4,550,283	Non-Participating	Livingston	20.53
REC-084	386,096	4,543,783	Non-Participating	Livingston	2.95
REC-085	386,629	4,551,956	Participating	Livingston	54.45
REC-086	386,547	4,542,052	Non-Participating	Livingston	0.00
REC-087	386,731	4,550,247	Participating	Livingston	58.27
REC-088	386,877	4,551,473	Non-Participating	Livingston	85.42
REC-089	386,893	4,551,398	Non-Participating	Livingston	48.95
REC-090	386,863	4,548,278	Participating	Livingston	31.72
REC-091	386,929	4,548,326	Non-Participating	Livingston	31.33
REC-092	386,909	4,544,222	Non-Participating	Livingston	2.65
REC-093	386,932	4,544,178	Participating	Livingston	2.58
REC-094	386,929	4,542,224	Non-Participating	Livingston	0.00
REC-095	387,116	4,552,284	Non-Participating	Grundy	8.33
REC-096	386,972	4,540,848	Non-Participating	Livingston	0.00
REC-097	387,268	4,553,649	Non-Participating	Grundy	0.00
REC-098	387,166	4,546,937	Non-Participating	Livingston	35.82
REC-099	387,143	4,540,688	Non-Participating	Livingston	0.00
REC-100	387,478	4,548,542	Non-Participating	Livingston	48.80
REC-101	387,708	4,553,672	Non-Participating	Grundy	0.00
REC-102	387,697	4,548,731	Non-Participating	Livingston	21.98
REC-103	387,779	4,553,311	Non-Participating	Grundy	0.00
REC-104	387,672	4,543,815	Non-Participating	Livingston	4.07
REC-105	387,811	4,543,802	Non-Participating	Livingston	10.80
REC-106	387,982	4,541,563	Non-Participating	Livingston	4.57
REC-107	388,025	4,543,787	Non-Participating	Livingston	13.43
REC-108	388,068	4,540,421	Non-Participating	Livingston	0.00
REC-109	388,392	4,550,971	Non-Participating	Livingston	0.00

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-110	388,491	4,551,296	Non-Participating	Livingston	10.45
REC-111	388,496	4,551,128	Non-Participating	Livingston	11.08
REC-112	388,501	4,551,216	Non-Participating	Livingston	15.50
REC-113	388,511	4,550,982	Non-Participating	Livingston	0.03
REC-114	388,478	4,547,761	Non-Participating	Livingston	36.35
REC-115	388,517	4,543,707	Participating	Livingston	6.20
REC-116	388,643	4,550,154	Non-Participating	Livingston	22.52
REC-117	388,629	4,547,270	Non-Participating	Livingston	40.37
REC-118	388,627	4,544,239	Non-Participating	Livingston	27.02
REC-119	388,669	4,540,179	Non-Participating	Livingston	0.00
REC-120	388,858	4,548,562	Participating	Livingston	10.57
REC-121	389,299	4,553,283	Non-Participating	Grundy	0.00
REC-122	389,384	4,548,701	Non-Participating	Livingston	17.63
REC-123	389,322	4,540,309	Non-Participating	Livingston	0.00
REC-124	389,531	4,546,942	Non-Participating	Livingston	9.17
REC-125	389,701	4,542,165	Non-Participating	Livingston	17.60
REC-126	389,853	4,545,411	Participating	Livingston	11.62
REC-127	390,040	4,551,782	Non-Participating	Livingston	0.00
REC-128	390,028	4,550,799	Non-Participating	Livingston	0.00
REC-129	390,123	4,551,460	Non-Participating	Livingston	0.00
REC-130	390,120	4,551,180	Non-Participating	Livingston	0.00
REC-131	390,140	4,549,605	Non-Participating	Livingston	87.30
REC-132	390,202	4,553,054	Non-Participating	Grundy	0.00
REC-133	390,072	4,544,182	Non-Participating	Livingston	70.75
REC-134	390,132	4,545,949	Non-Participating	Livingston	0.00
REC-135	390,187	4,546,537	Non-Participating	Livingston	37.13
REC-136	390,299	4,544,451	Non-Participating	Livingston	44.40
REC-137	390,460	4,550,162	Non-Participating	Livingston	15.38
REC-138	390,491	4,550,248	Non-Participating	Livingston	13.58
REC-139	390,538	4,548,633	Non-Participating	Livingston	10.68
REC-140	390,427	4,540,461	Non-Participating	Livingston	0.00
REC-141	390,567	4,542,089	Non-Participating	Livingston	0.00
REC-142	390,807	4,550,269	Non-Participating	Livingston	4.95
REC-143	390,814	4,550,185	Non-Participating	Livingston	5.08
REC-144	390,880	4,550,267	Non-Participating	Livingston	4.28
REC-145	390,928	4,551,251	Non-Participating	Livingston	0.00
REC-146	390,932	4,550,601	Non-Participating	Livingston	5.32

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-147	391,001	4,553,640	Non-Participating	Grundy	0.00
REC-148	391,042	4,552,185	Non-Participating	Grundy	0.00
REC-149	391,022	4,548,644	Non-Participating	Livingston	17.55
REC-150	391,363	4,545,385	Non-Participating	Livingston	19.10
REC-151	391,391	4,546,901	Non-Participating	Livingston	15.55
REC-152	391,387	4,542,097	Non-Participating	Livingston	0.00
REC-153	391,527	4,545,328	Non-Participating	Livingston	12.08
REC-154	391,539	4,545,502	Non-Participating	Livingston	11.27
REC-155	391,683	4,551,707	Non-Participating	Livingston	0.00
REC-156	391,590	4,545,337	Non-Participating	Livingston	10.18
REC-157	391,523	4,540,540	Non-Participating	Livingston	0.00
REC-158	391,696	4,551,616	Non-Participating	Livingston	0.00
REC-159	391,664	4,545,331	Non-Participating	Livingston	8.48
REC-160	391,734	4,547,464	No Residential Structure	Livingston	25.30
REC-161	391,754	4,545,419	Non-Participating	Livingston	6.82
REC-162	391,761	4,545,564	Non-Participating	Livingston	6.50
REC-163	391,766	4,545,613	No Residential Structure	Livingston	6.33
REC-164	391,691	4,540,485	Non-Participating	Livingston	0.00
REC-165	391,810	4,546,658	Non-Participating	Livingston	4.67
REC-166	391,812	4,545,560	Non-Participating	Livingston	5.88
REC-167	391,818	4,545,428	Non-Participating	Livingston	5.90
REC-168	391,828	4,545,725	Non-Participating	Livingston	6.32
REC-169	391,906	4,548,632	Non-Participating	Livingston	2.32
REC-170	391,926	4,545,398	Non-Participating	Livingston	4.65
REC-171	392,052	4,552,255	Non-Participating	Grundy	0.00
REC-172	391,968	4,545,387	Non-Participating	Livingston	4.27
REC-173	392,137	4,551,826	No Residential Structure	Livingston	0.00
REC-174	392,156	4,550,145	Non-Participating	Livingston	0.00
REC-175	392,166	4,550,827	Non-Participating	Livingston	0.00
REC-176	392,083	4,542,192	Non-Participating	Livingston	0.00
REC-177	392,314	4,540,492	Non-Participating	Livingston	0.00
REC-178	392,350	4,542,098	Non-Participating	Livingston	0.00
REC-179	392,468	4,548,637	Non-Participating	Livingston	7.53
REC-180	392,612	4,553,811	No Residential Structure	Grundy	0.00
REC-181	392,655	4,553,751	Non-Participating	Grundy	0.00
REC-182	392,833	4,550,251	Non-Participating	Livingston	0.00
REC-183	392,875	4,550,253	Non-Participating	Livingston	0.00

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-184	392,943	4,553,746	Non-Participating	Grundy	0.00
REC-185	393,090	4,546,953	Non-Participating	Livingston	15.40
REC-186	393,222	4,550,039	Non-Participating	Livingston	0.00
REC-187	393,307	4,553,825	Non-Participating	Grundy	0.00
REC-188	393,196	4,545,399	Non-Participating	Livingston	0.00
REC-189	393,344	4,553,453	Non-Participating	Grundy	0.00
REC-190	393,341	4,552,948	Non-Participating	Grundy	0.00
REC-191	393,370	4,550,578	Non-Participating	Livingston	0.00
REC-192	393,390	4,550,250	Non-Participating	Livingston	0.00
REC-193	393,409	4,548,540	Non-Participating	Livingston	0.00
REC-194	393,401	4,547,108	Participating	Livingston	35.82
REC-195	393,428	4,547,191	Non-Participating	Livingston	27.25
REC-196	393,435	4,545,498	Non-Participating	Livingston	0.00
REC-197	393,502	4,549,748	Non-Participating	Livingston	0.00
REC-198	393,441	4,544,971	Non-Participating	Livingston	11.75
REC-199	393,411	4,540,687	Non-Participating	Livingston	0.00
REC-200	393,477	4,542,520	Non-Participating	Livingston	3.95
REC-201	393,967	4,541,943	Non-Participating	Livingston	0.00
REC-202	394,207	4,553,832	Non-Participating	Grundy	0.00
REC-203	394,223	4,553,762	Non-Participating	Grundy	0.00
REC-204	394,239	4,553,014	Non-Participating	Grundy	0.00
REC-205	394,183	4,540,472	Non-Participating	Livingston	0.00
REC-206	394,344	4,550,182	Non-Participating	Livingston	0.00
REC-207	394,209	4,540,549	Non-Participating	Livingston	0.00
REC-208	394,516	4,552,073	Non-Participating	Livingston	7.08
REC-209	394,666	4,550,256	Non-Participating	Livingston	0.00
REC-210	394,812	4,548,569	Non-Participating	Livingston	5.50
REC-211	394,820	4,543,861	Participating	Livingston	8.72
REC-213	394,971	4,546,488	Participating	Livingston	25.98
REC-214	394,968	4,543,543	Non-Participating	Livingston	18.83
REC-215	394,979	4,540,826	Non-Participating	Livingston	0.00
REC-219	395,670	4,554,260	Non-Participating	Grundy	0.00
REC-221	395,686	4,553,881	Non-Participating	Grundy	0.00
REC-223	395,775	4,552,943	Non-Participating	Grundy	0.00
REC-773	381,484	4,550,160	Non-Participating	Livingston	0.00
REC-774	388,524	4,550,278	Non-Participating	Livingston	27.73
REC-775	391,933	4,545,324	Non-Participating	Livingston	4.67

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-776	384,594	4,545,510	Non-Participating	Livingston	3.75
REC-777	380,008	4,545,854	Non-Participating	Livingston	5.72
REC-778	380,710	4,544,705	Non-Participating	Livingston	25.95
REC-779	387,229	4,543,822	Non-Participating	Livingston	2.35
REC-780	379,985	4,542,154	Non-Participating	Livingston	0.00
REC-781	380,566	4,540,422	Non-Participating	Livingston	0.00
REC-782	382,449	4,542,699	Non-Participating	Livingston	0.00
REC-796	395,717	4,555,321	Non-Participating	Grundy	0.00
REC-876	390,073	4,542,691	Non-Participating	Livingston	17.55
REC-878	388,540	4,548,848	Non-Participating	Livingston	70.60
REC-879	390,201	4,542,740	Non-Participating	Livingston	14.37
REC-880	390,200	4,542,721	Non-Participating	Livingston	14.68
REC-881	390,254	4,542,656	Non-Participating	Livingston	15.65
REC-882	390,196	4,542,632	Non-Participating	Livingston	16.57
REC-883	390,253	4,542,587	Non-Participating	Livingston	19.93
REC-884	390,252	4,542,555	Non-Participating	Livingston	20.58
REC-885	390,194	4,542,550	Non-Participating	Livingston	21.57
REC-886	390,134	4,542,556	Non-Participating	Livingston	20.80
REC-887	390,115	4,542,551	Non-Participating	Livingston	21.63
REC-888	390,087	4,542,552	Non-Participating	Livingston	22.87
REC-889	390,047	4,542,496	Non-Participating	Livingston	23.65
REC-890	390,252	4,542,499	Non-Participating	Livingston	19.03
REC-891	390,260	4,542,445	Non-Participating	Livingston	17.07
REC-892	390,199	4,542,447	Non-Participating	Livingston	23.53
REC-893	390,185	4,542,393	Non-Participating	Livingston	20.53
REC-894	390,173	4,542,439	Non-Participating	Livingston	24.93
REC-895	390,157	4,542,396	Non-Participating	Livingston	21.27
REC-896	390,136	4,542,395	Non-Participating	Livingston	16.95
REC-897	390,027	4,542,385	Non-Participating	Livingston	12.43
REC-898	390,255	4,542,367	Non-Participating	Livingston	16.38
REC-899	390,254	4,542,341	Non-Participating	Livingston	14.83
REC-900	390,264	4,542,314	Non-Participating	Livingston	12.97
REC-901	390,204	4,542,337	Non-Participating	Livingston	13.73
REC-902	390,113	4,542,331	Non-Participating	Livingston	10.37
REC-903	390,121	4,542,288	Non-Participating	Livingston	6.92
REC-904	390,055	4,542,393	Non-Participating	Livingston	14.50
REC-905	389,988	4,542,329	Non-Participating	Livingston	6.28

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-906	389,953	4,542,276	Non-Participating	Livingston	7.03
REC-907	389,981	4,542,273	Non-Participating	Livingston	6.60
REC-908	390,012	4,542,286	Non-Participating	Livingston	6.05
REC-909	390,057	4,542,284	Non-Participating	Livingston	5.48
REC-910	390,055	4,542,254	Non-Participating	Livingston	5.60
REC-911	390,067	4,542,236	Non-Participating	Livingston	5.52
REC-912	390,065	4,542,226	Non-Participating	Livingston	5.55
REC-913	390,111	4,542,213	Non-Participating	Livingston	5.03
REC-914	390,119	4,542,232	Non-Participating	Livingston	4.92
REC-915	390,119	4,542,265	Non-Participating	Livingston	5.27
REC-916	390,142	4,542,290	Non-Participating	Livingston	7.75
REC-917	390,168	4,542,289	Non-Participating	Livingston	8.55
REC-918	390,184	4,542,289	Non-Participating	Livingston	9.07
REC-919	390,208	4,542,289	Non-Participating	Livingston	9.73
REC-920	390,203	4,542,246	Non-Participating	Livingston	6.42
REC-921	390,199	4,542,213	Non-Participating	Livingston	4.42
REC-922	390,214	4,542,195	Non-Participating	Livingston	4.08
REC-923	390,203	4,542,160	Non-Participating	Livingston	4.22
REC-924	390,178	4,542,153	Non-Participating	Livingston	4.48
REC-925	390,119	4,542,181	Non-Participating	Livingston	5.02
REC-926	390,118	4,542,149	Non-Participating	Livingston	5.08
REC-927	390,065	4,542,150	Non-Participating	Livingston	5.78
REC-928	390,062	4,542,185	Non-Participating	Livingston	5.72
REC-929	389,949	4,542,155	Non-Participating	Livingston	7.82
REC-930	389,991	4,542,153	Non-Participating	Livingston	6.98
REC-931	390,014	4,542,152	Non-Participating	Livingston	6.57
REC-932	390,030	4,542,040	Non-Participating	Livingston	7.48
REC-933	390,067	4,542,051	Non-Participating	Livingston	6.63
REC-934	390,139	4,542,040	Non-Participating	Livingston	5.53
REC-935	390,163	4,542,038	Non-Participating	Livingston	5.18
REC-936	390,192	4,542,041	Non-Participating	Livingston	4.78
REC-937	390,204	4,541,995	Non-Participating	Livingston	4.95
REC-938	390,176	4,541,997	Non-Participating	Livingston	5.32
REC-939	390,143	4,541,996	Non-Participating	Livingston	5.87
REC-940	390,115	4,541,996	Non-Participating	Livingston	6.37
REC-941	390,076	4,541,997	Non-Participating	Livingston	7.17
REC-942	390,038	4,541,993	Non-Participating	Livingston	8.15

Receptor Name	Easting [m]	Northing [m]	Participating Status	County	Flicker Duration [hours/year]
REC-943	390,011	4,541,993	Non-Participating	Livingston	8.98
REC-944	390,203	4,542,101	Non-Participating	Livingston	4.33
REC-945	390,160	4,542,104	Non-Participating	Livingston	4.85
REC-946	390,141	4,542,103	Non-Participating	Livingston	5.05
REC-947	390,073	4,542,104	Non-Participating	Livingston	5.98
REC-948	390,042	4,542,103	Non-Participating	Livingston	6.50
REC-952	390,060	4,542,339	Non-Participating	Livingston	9.15
REC-953	390,119	4,542,099	Non-Participating	Livingston	5.35
REC-954	390,201	4,542,471	Non-Participating	Livingston	22.18
REC-955	394,794	4,550,158	Non-Participating	Livingston	0.00
REC-956	394,857	4,550,196	Non-Participating	Livingston	0.00
REC-957	394,881	4,550,194	Non-Participating	Livingston	4.05
REC-1016	394,874	4,550,274	Non-Participating	Livingston	3.48
REC-1017	394,899	4,550,264	Non-Participating	Livingston	3.75
REC-1018	394,923	4,550,348	Non-Participating	Livingston	3.53
REC-1019	394,916	4,550,379	Non-Participating	Livingston	3.35
REC-1031	394,912	4,550,649	Non-Participating	Livingston	2.78
REC-1032	394,917	4,550,696	Non-Participating	Livingston	4.88
REC-1034	394,916	4,550,732	Non-Participating	Livingston	7.23
REC-1037	394,914	4,550,771	Non-Participating	Livingston	10.08
REC-1039	394,915	4,550,810	Non-Participating	Livingston	12.77
REC-1040	394,912	4,550,848	Non-Participating	Livingston	14.65
REC-1041	394,910	4,550,927	Non-Participating	Livingston	20.75
REC-1042	394,919	4,550,977	Non-Participating	Livingston	27.08
REC-1178	390,039	4,542,351	Community Building	Livingston	9.57
REC-1780	380,028	4,550,208	Community Building	Livingston	0.00

Notes:

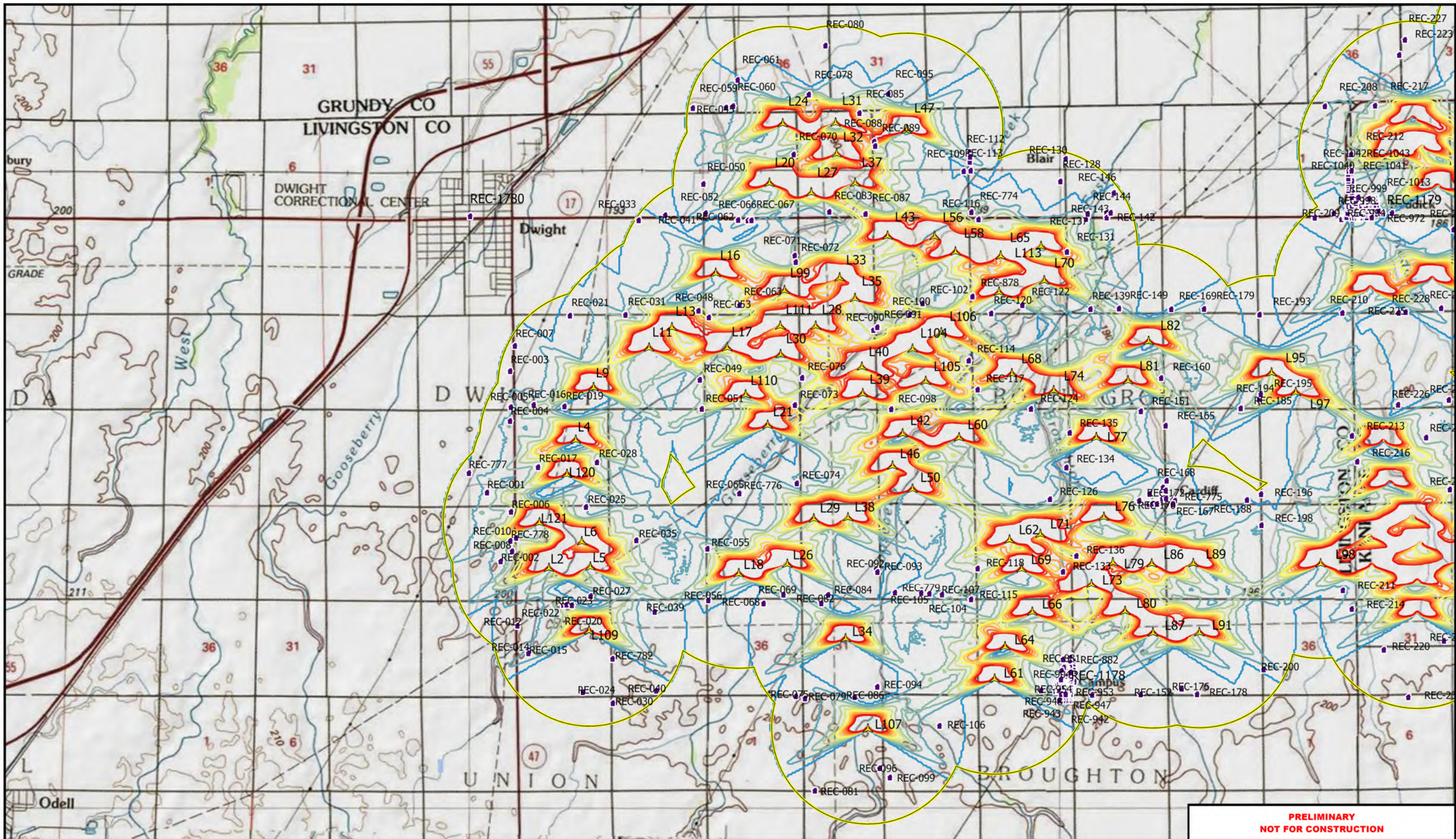
[1] Coordinates presented in UTM NAD83 Zone 16N (meters)

[2] Coordinates for REC-001 through REC-951 and REC-1778 through REC-1788 were provided by Illinois Generation LLC via "*HP_Wind_Residence_Survey.kmz*" on August 25, 2023. Coordinates for REC-952 through REC-1177 were identified by Burns & McDonnell using aerial imagery. Only the 289 known receptors located in Livingston County are included in Table C-1

[3] Participating status provided by Illinois Generation LLC via "*Copy of 20230821_Livingston_BaseALT_Parcels_091823.xlsx*" on September 18, 2023

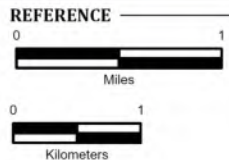
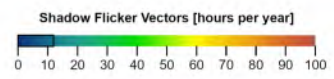
[4] Results based on turbine layout in Table A-2

APPENDIX D - SHADOW FLICKER DURATION MAP



LEGEND

- Turbines
- Receptors
- Buffer (10 x RD, 1540m)



**PRELIMINARY
NOT FOR CONSTRUCTION**

**Heritage Prairie Wind Project
Shadow Flicker Duration [Hr/Yr]
(Estimated Sunshine Condition)**

LOCATION: Livingston and Kankakee Counties, Illinois	 BURNS & MCDONNELL <small>www.burnsmcd.com</small>
CLIENT: Illinois Generation LLC	
PROJ. NO.: 132138	
CREATED: 2/20/2024	

APPENDIX E - SHADOW FLICKER CALENDAR

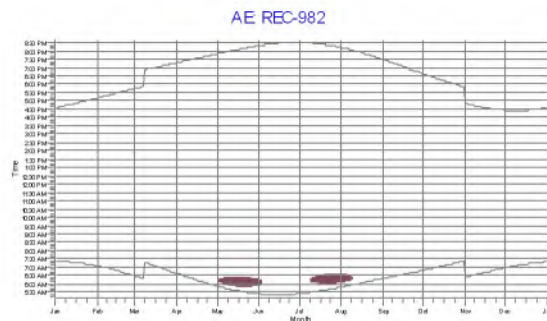
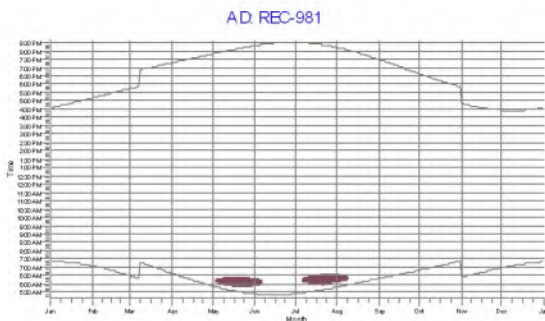
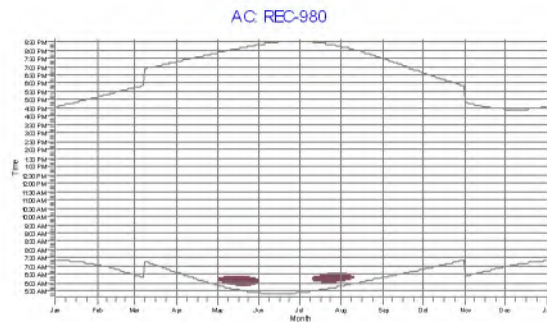
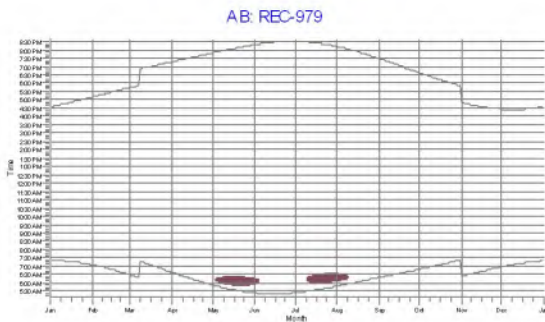
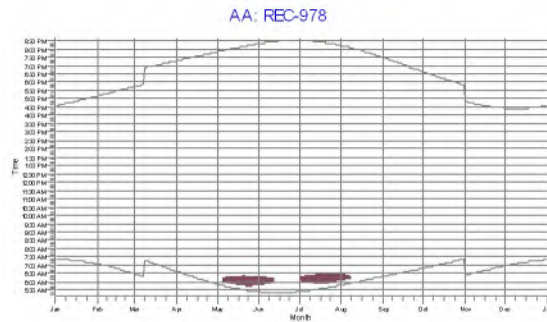
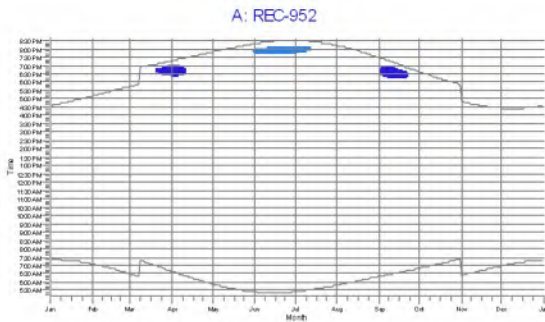
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
Burns & McDonnell has relied upon information provided by third-party sources to complete this study. While there is no reason to believe that the information provided is inaccurate or incomplete in any material respect, Burns & McDonnell has not independently verified such information and cannot guarantee or warranty its accuracy or completeness.

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(816) 333 9400
Anna Jordan / anna.jordan@1898andco.com
Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61 39: L64 79: K13

Project:
132138 - Pattern - Heritage Prairie Wind_v6

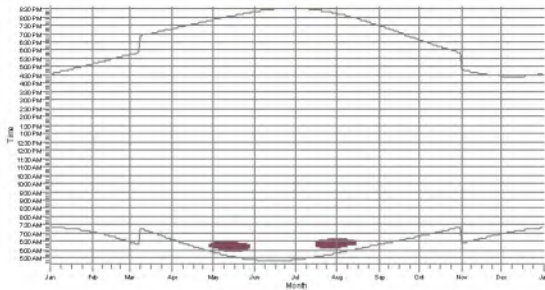
Description:
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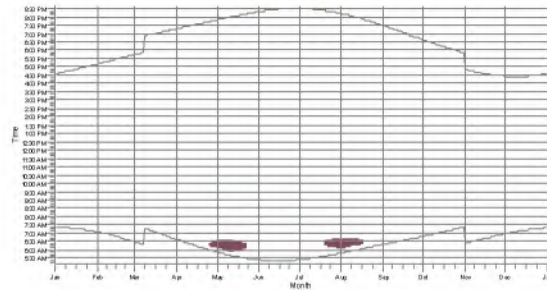
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

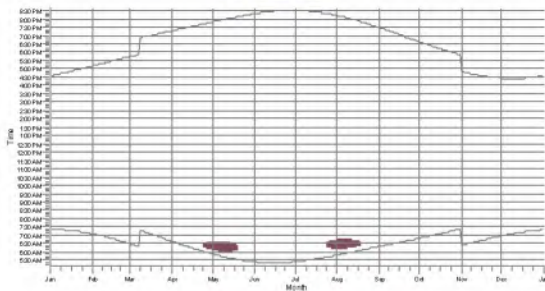
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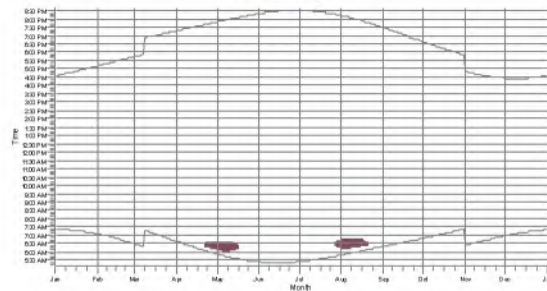
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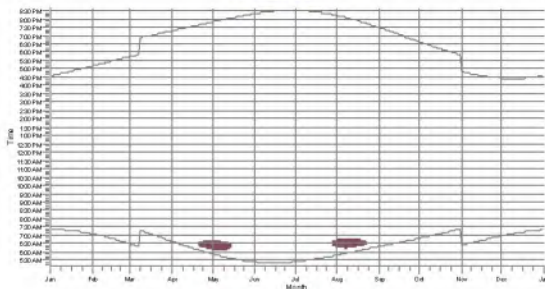
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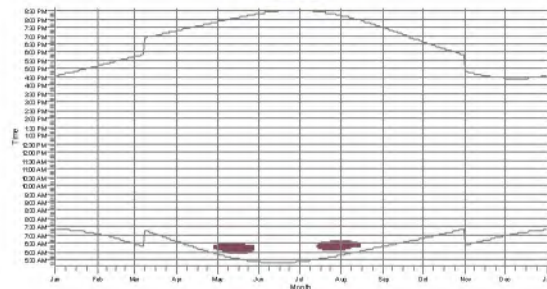
AI REC-986



AJ REC-987



AK REC-988



WTGs
79: K13

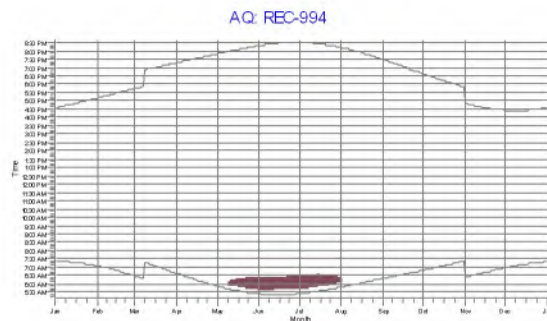
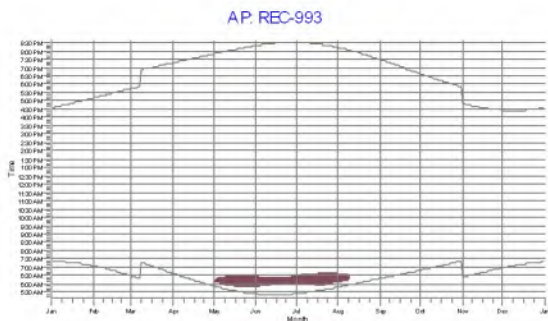
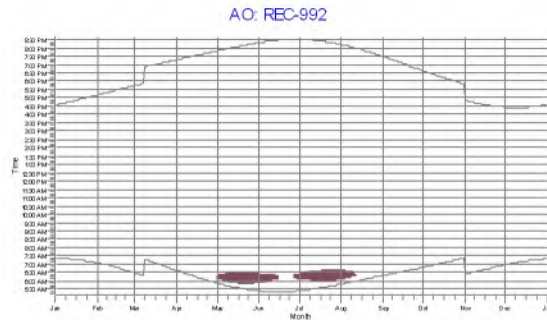
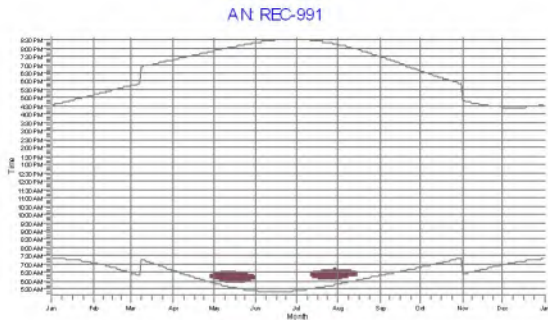
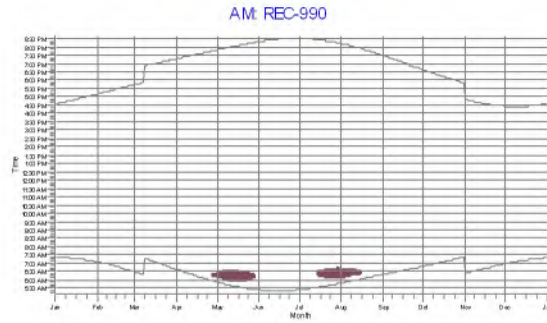
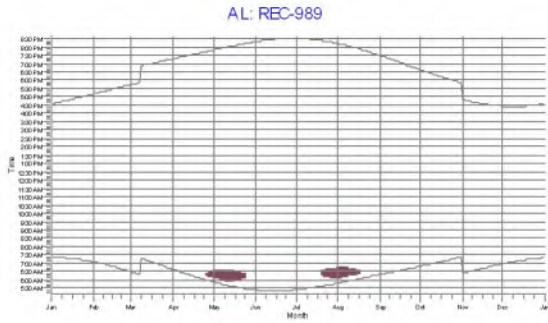
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

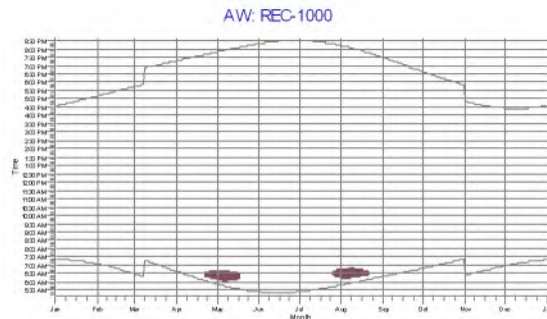
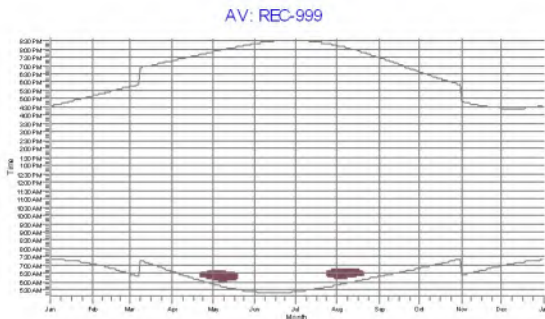
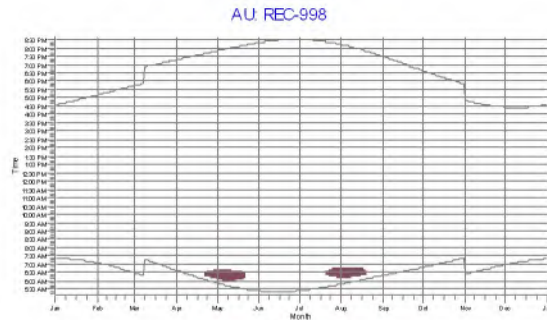
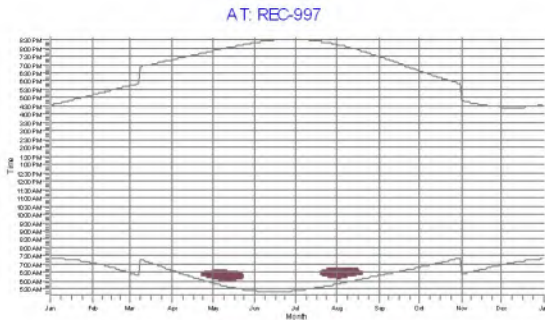
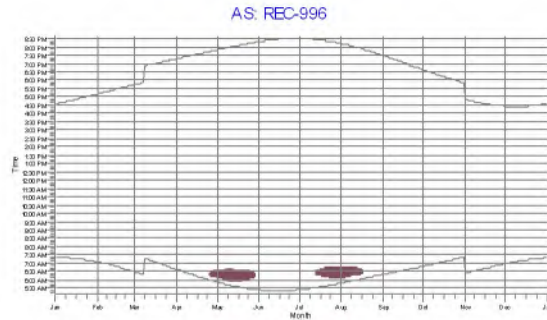
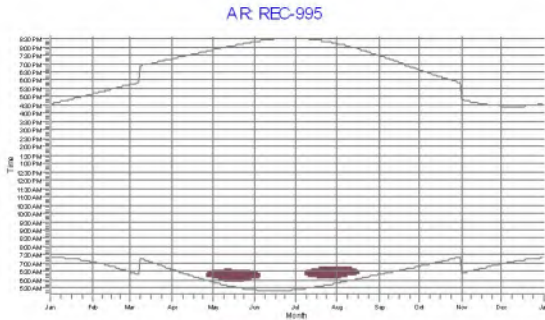
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

Project:
132138 - Pattern - Heritage Prairie Wind_v6

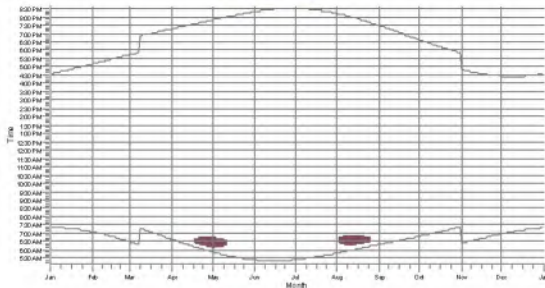
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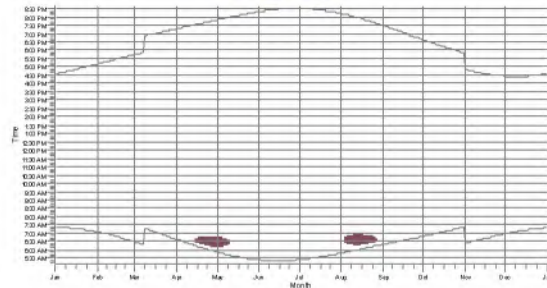
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

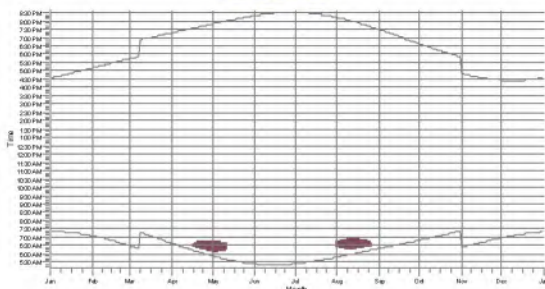
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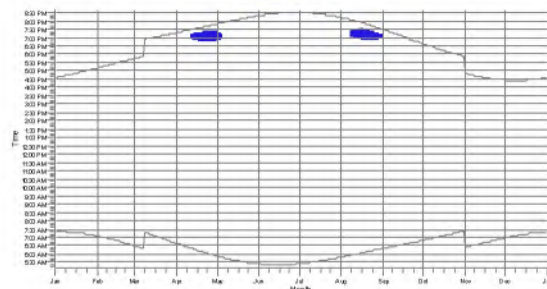
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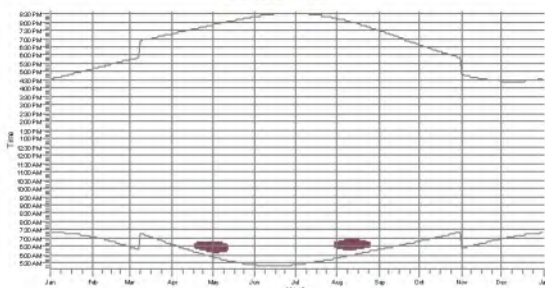
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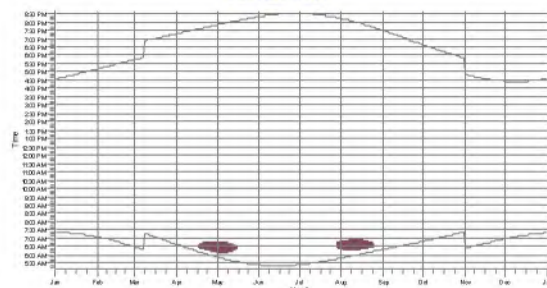
B: REC-953



BA: REC-1004



BB: REC-1005



WTGs

36: L61 79: K13

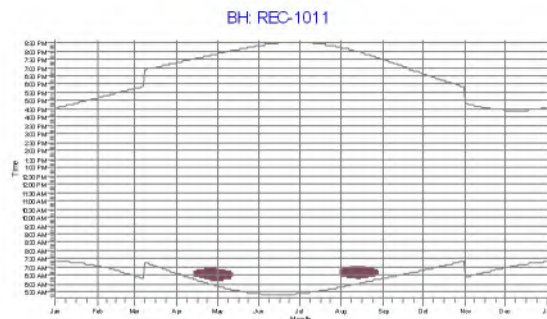
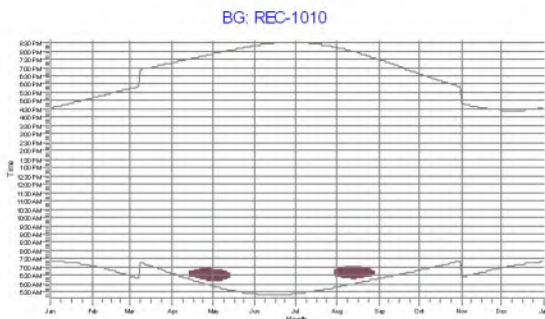
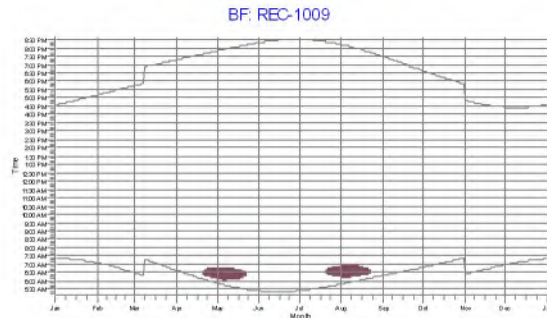
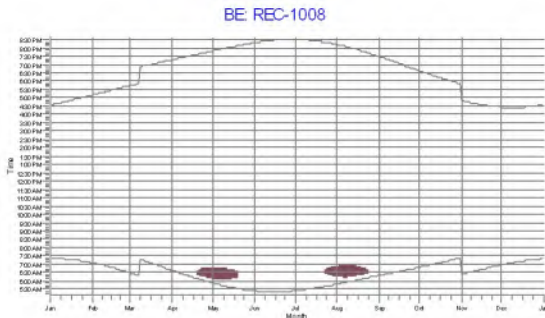
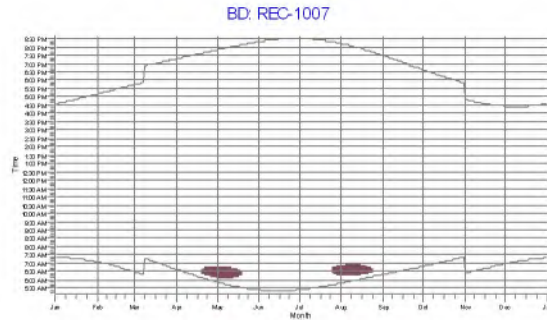
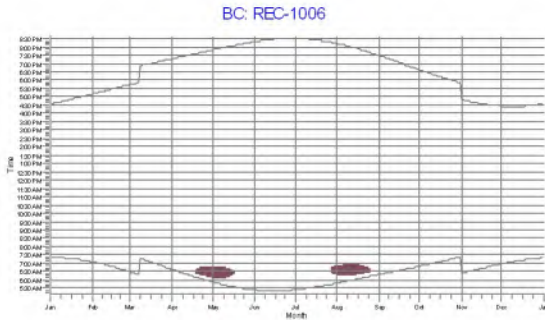
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

Project:
132138 - Pattern - Heritage Prairie Wind_v6

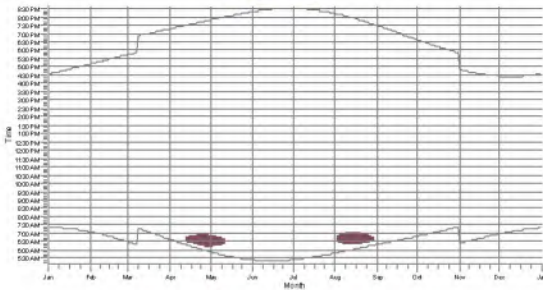
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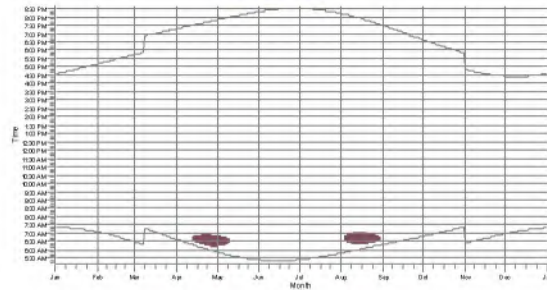
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

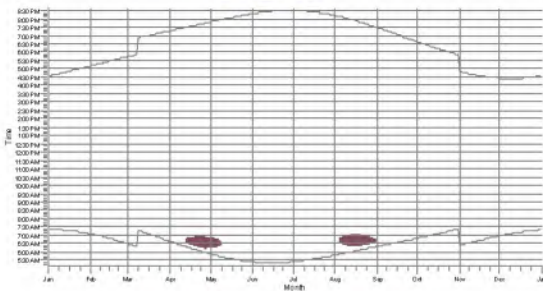
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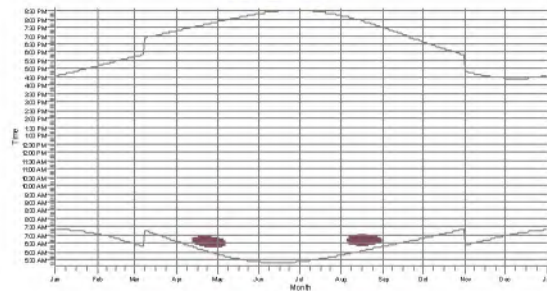
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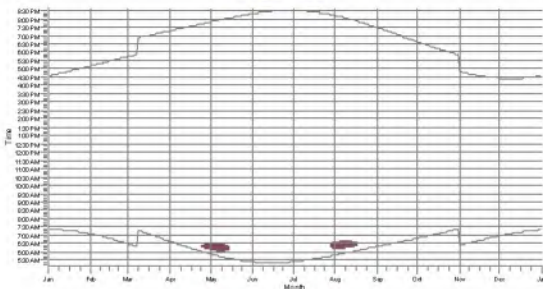
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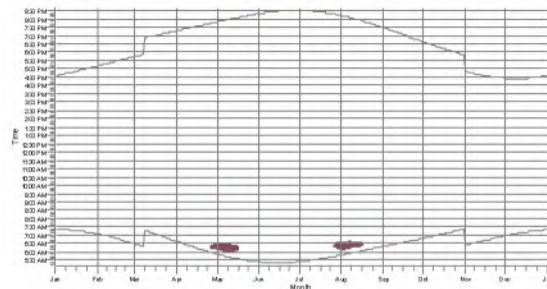
BL: REC-1015



BM: REC-1016



BN: REC-1017



WTGs
79: K13

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

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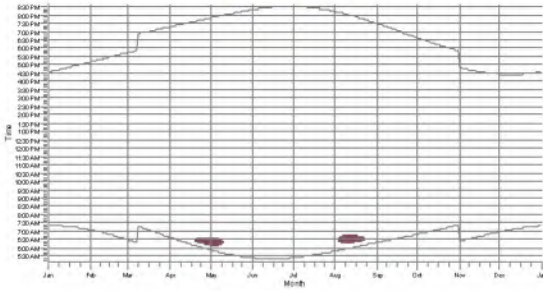
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Anna Jordan / anna.jordan@1898andco.com
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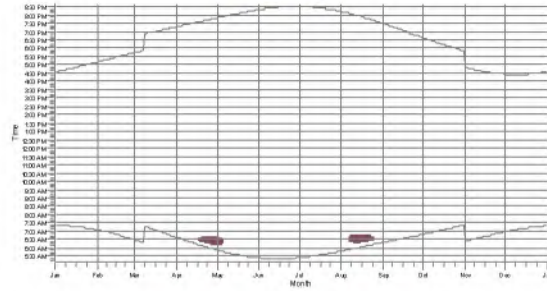
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

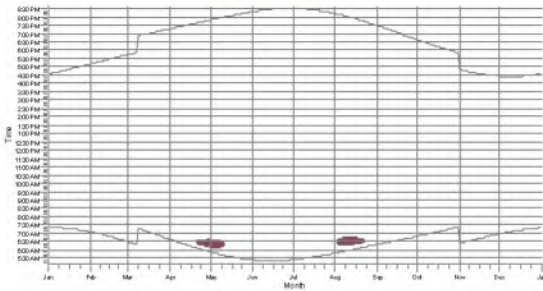
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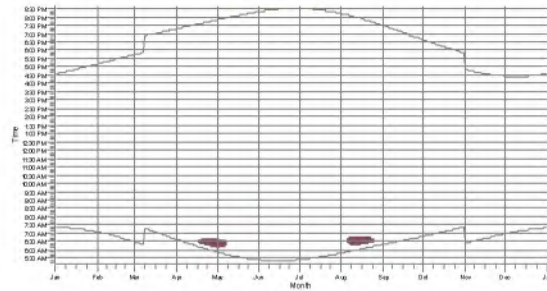
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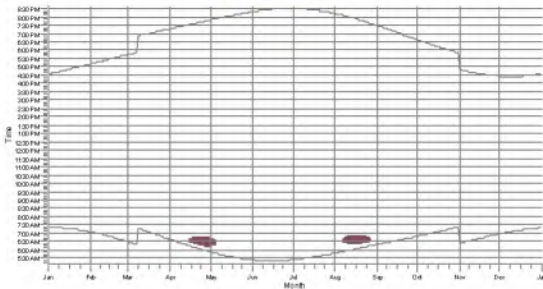
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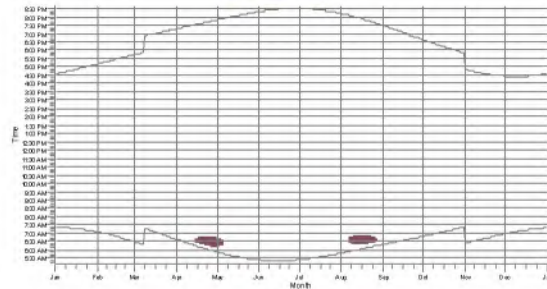
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BS: REC-1022



BT: REC-1023



WTGs

79: K13

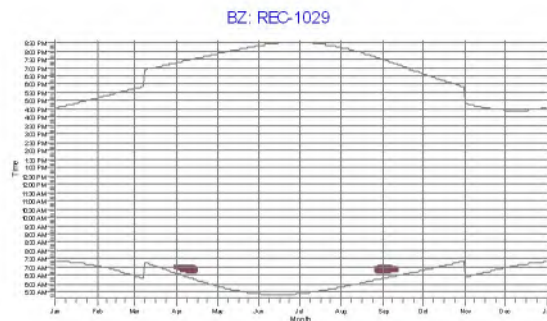
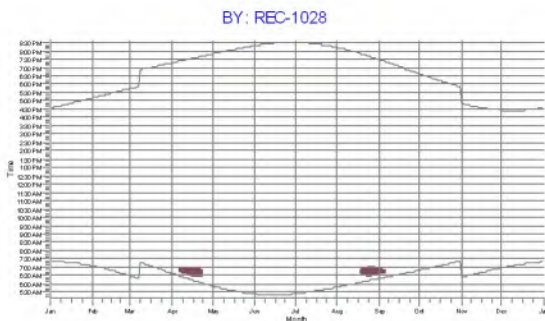
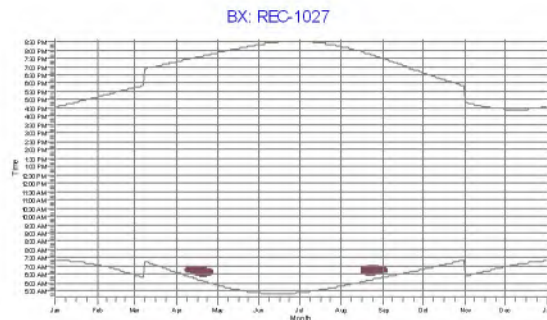
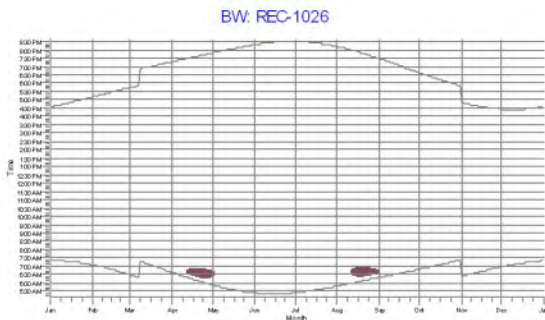
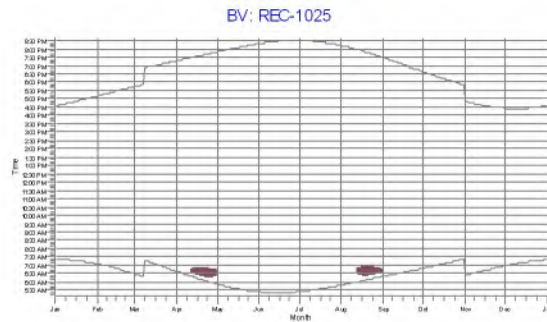
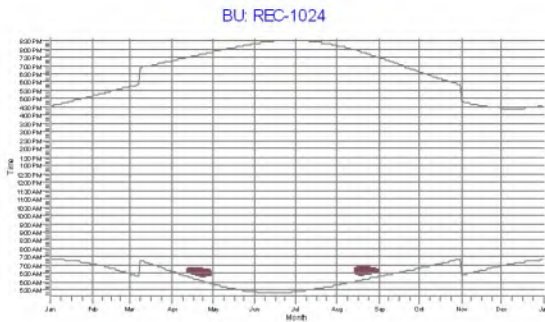
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

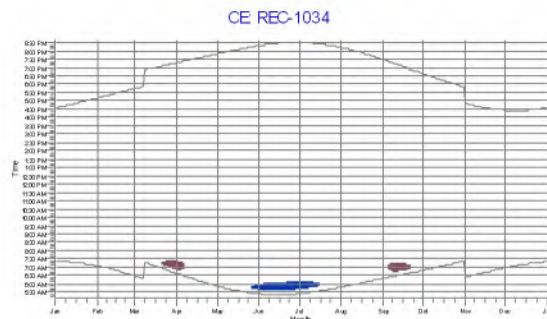
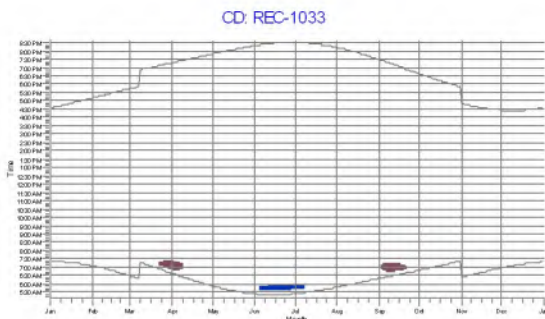
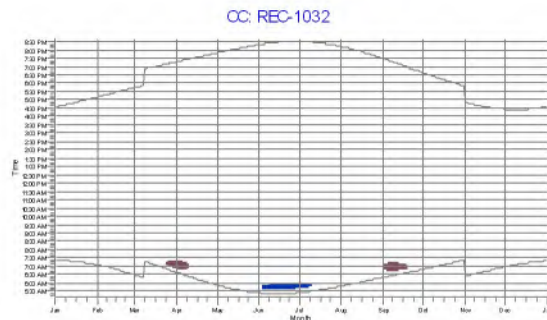
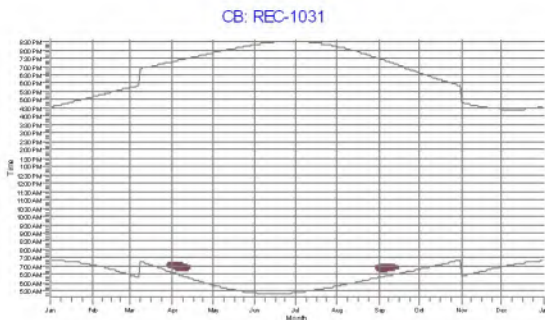
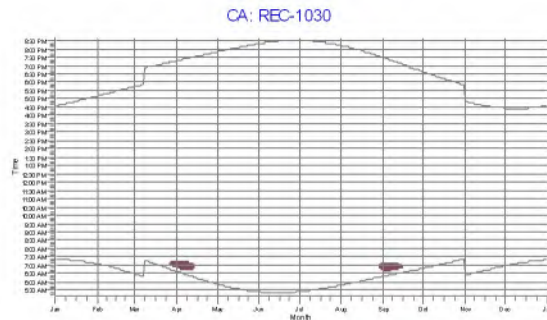
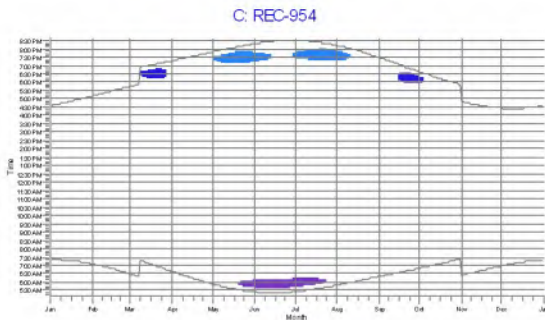
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61 39: L64 55: L87 77: K11 79: K13

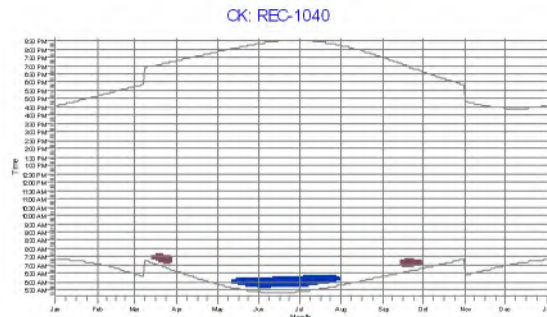
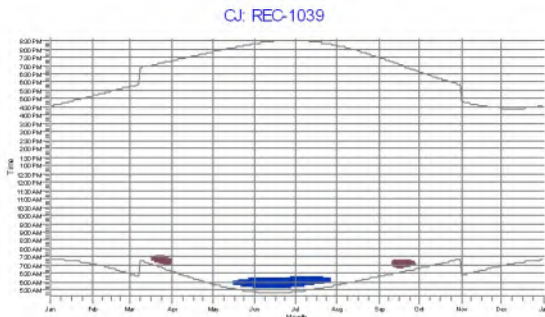
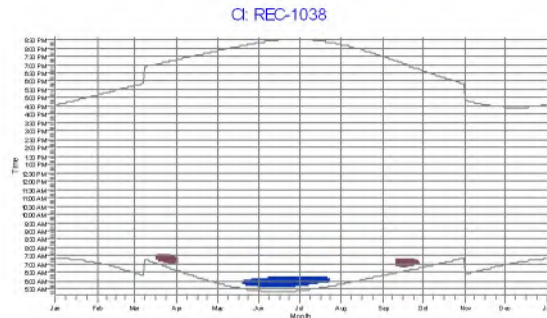
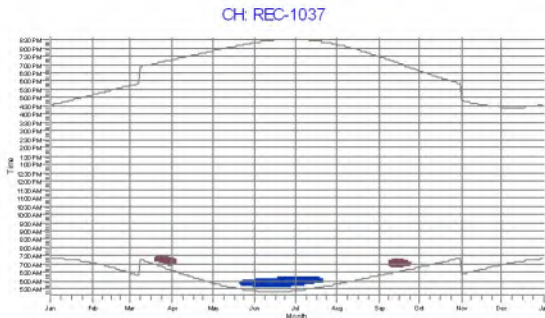
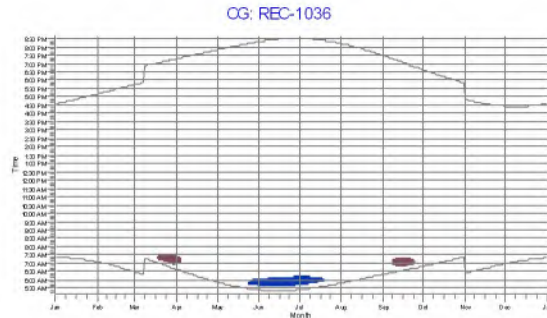
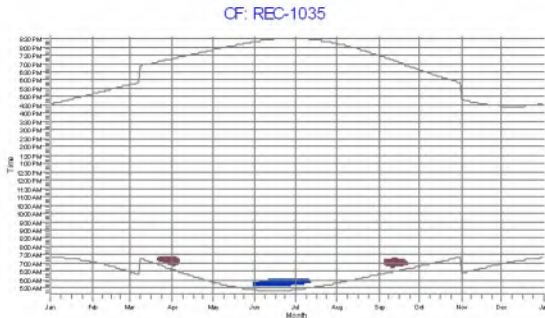
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

77: K11 79: K13

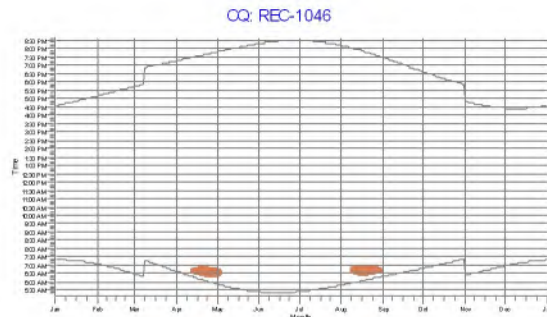
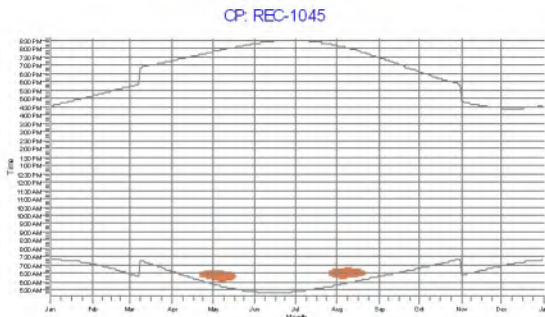
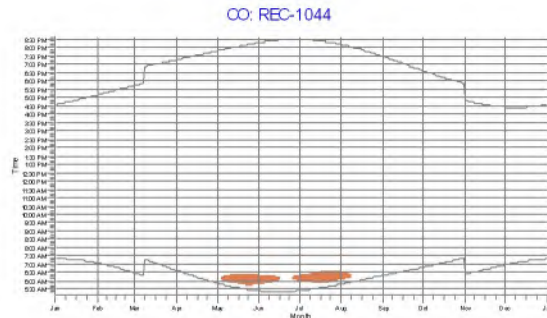
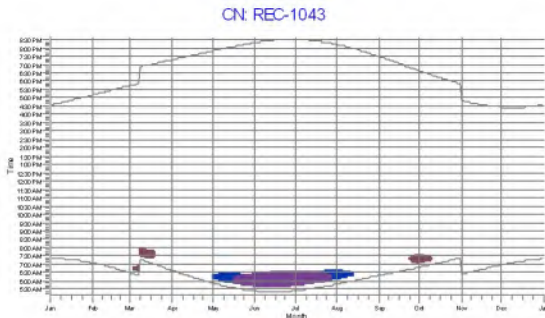
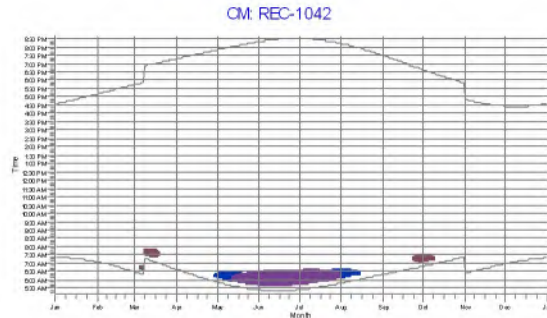
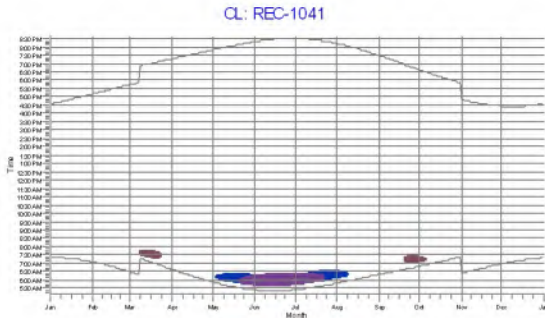
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

77: K11 79: K13 112: K92 130: K502

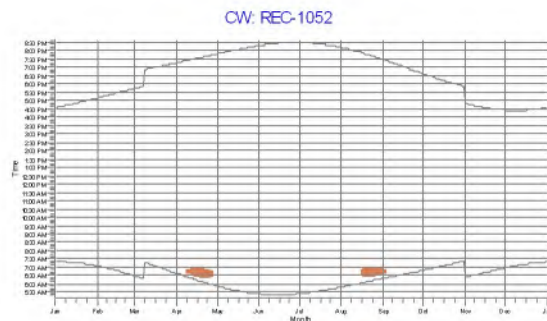
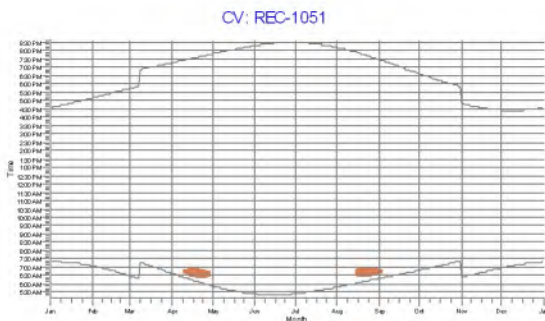
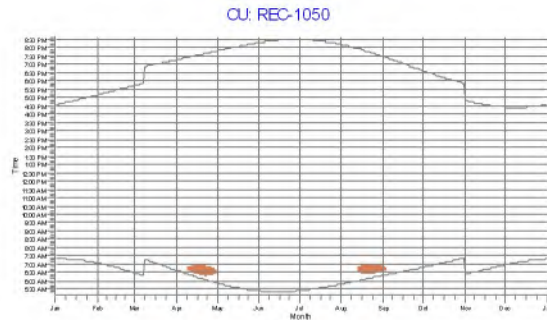
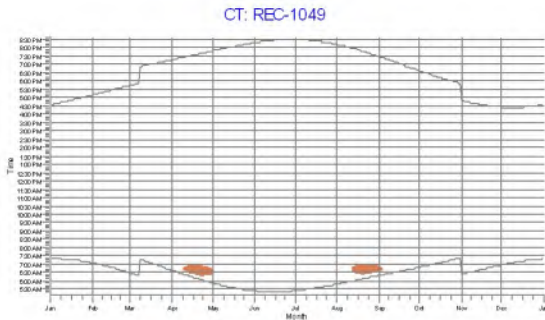
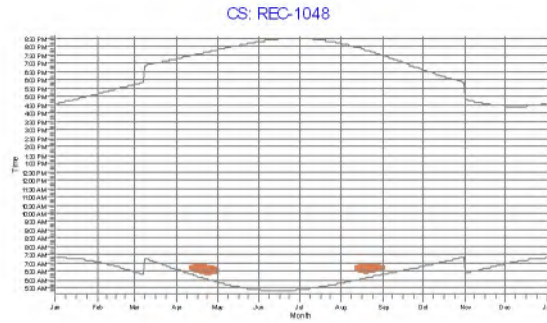
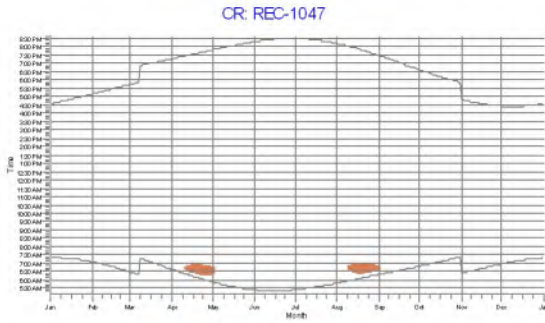
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

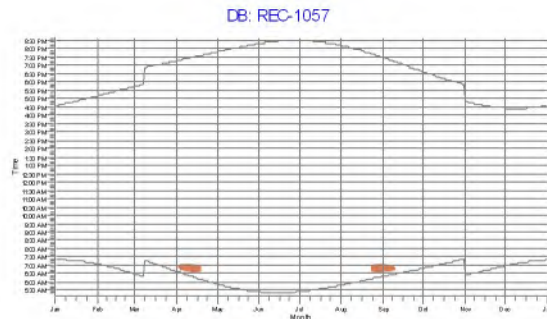
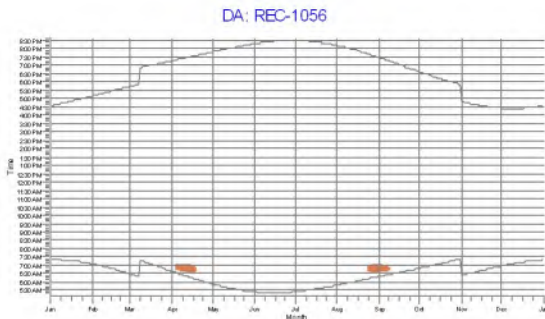
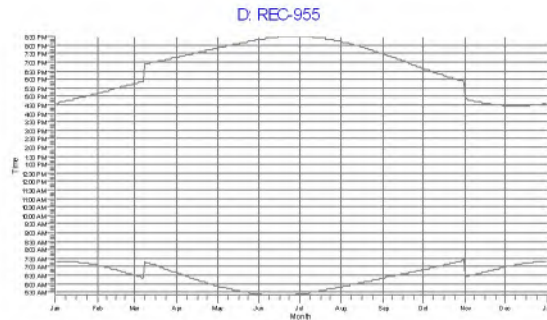
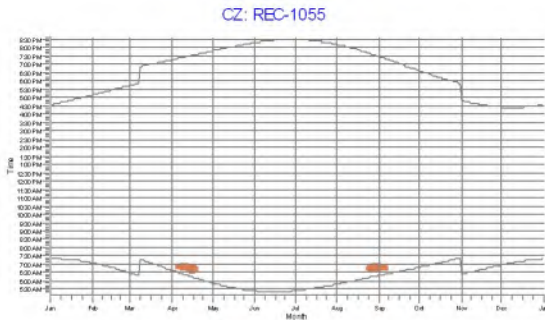
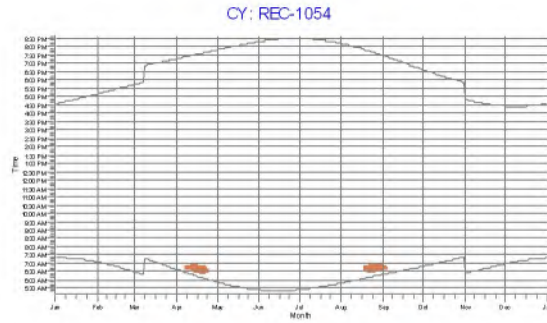
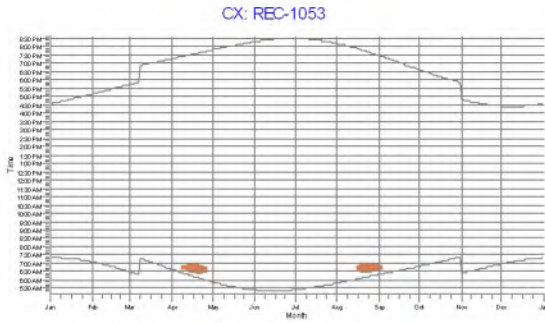
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

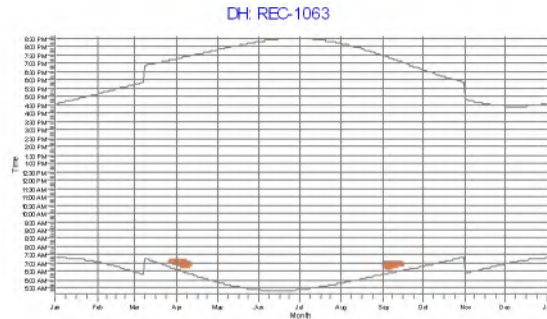
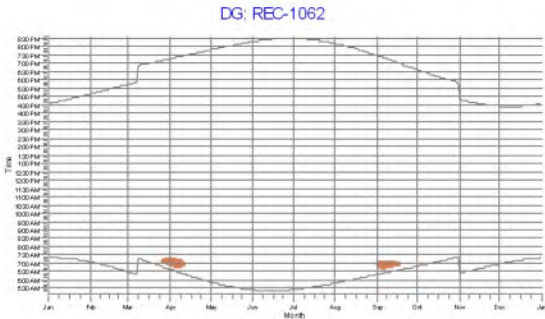
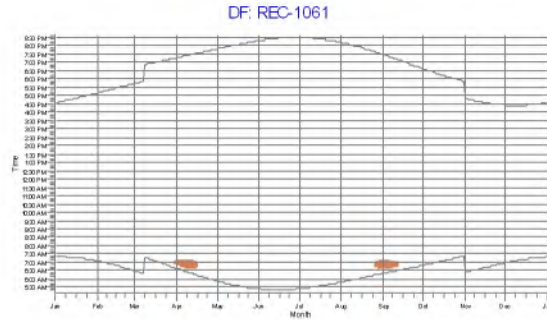
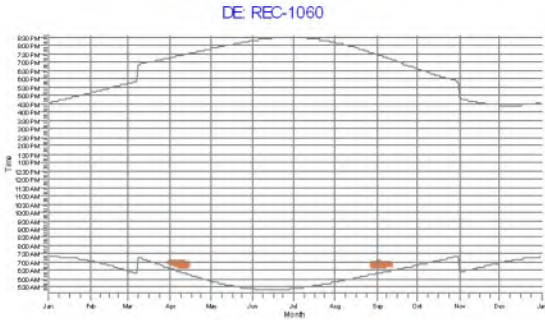
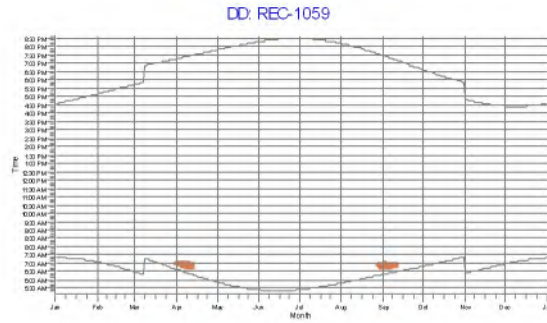
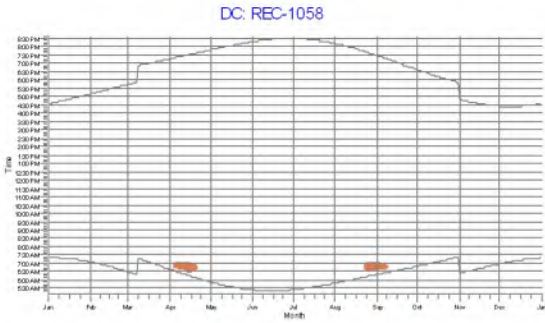
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

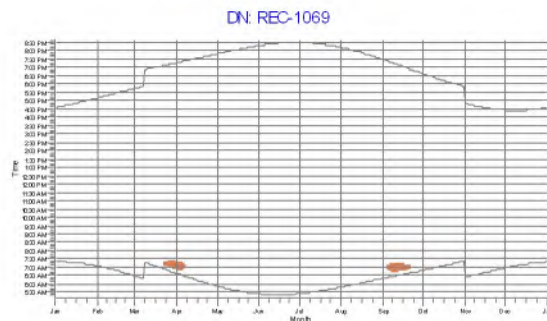
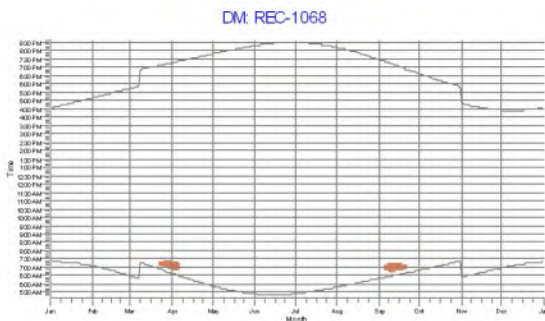
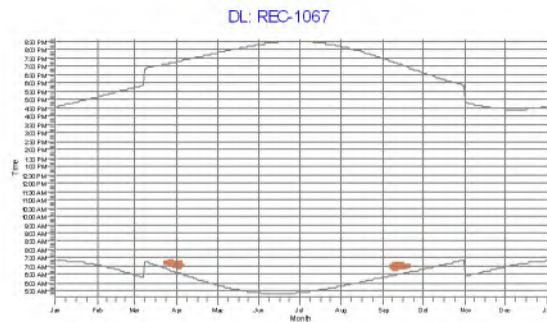
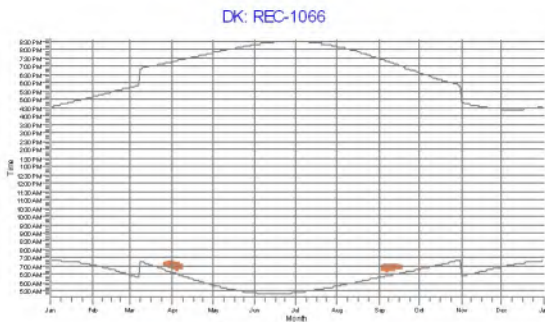
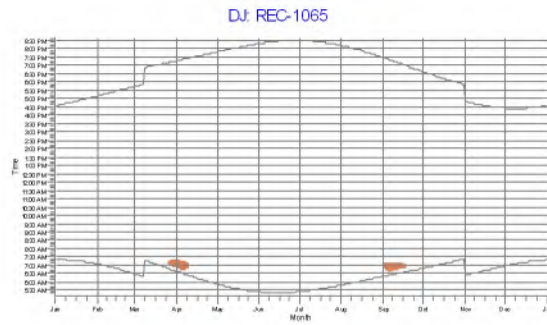
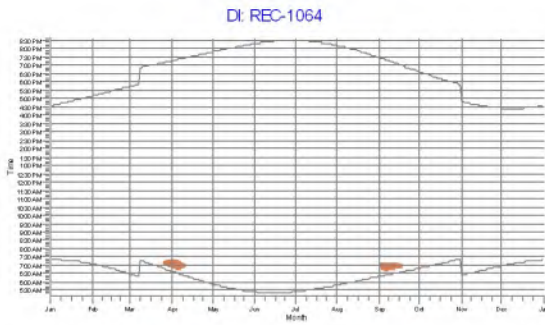
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

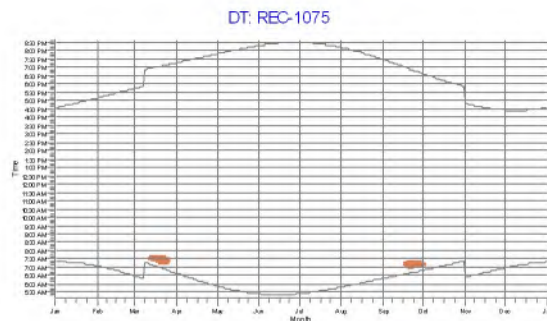
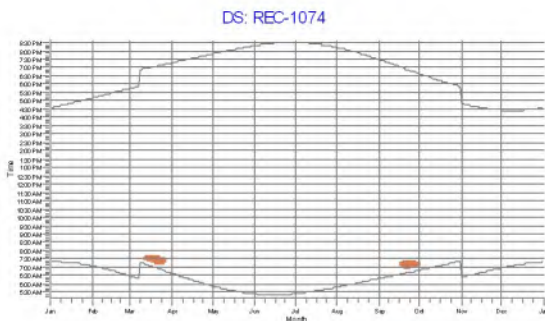
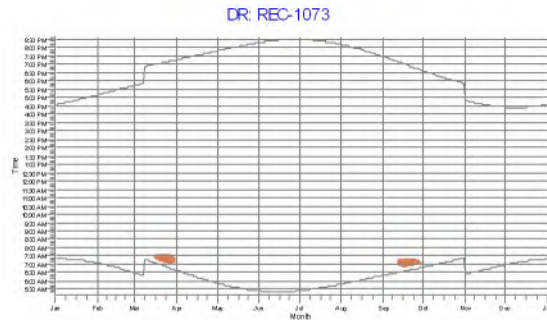
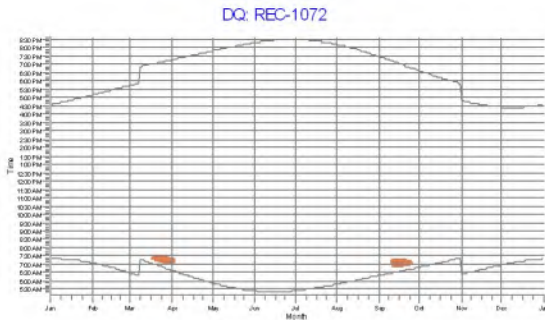
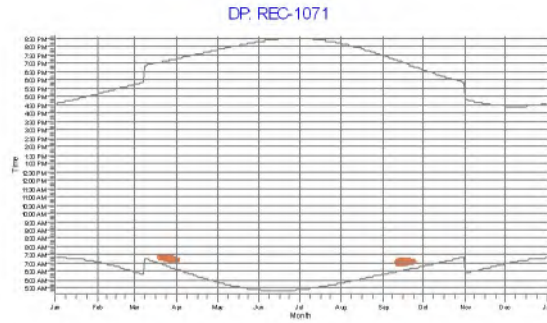
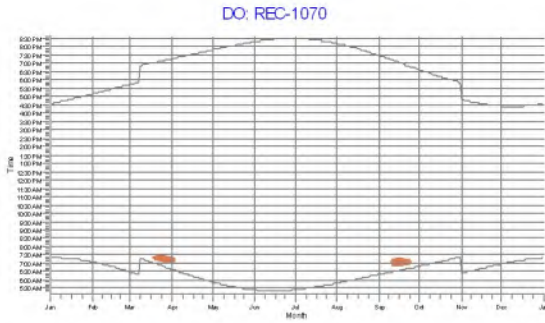
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

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WTGs
112: K92

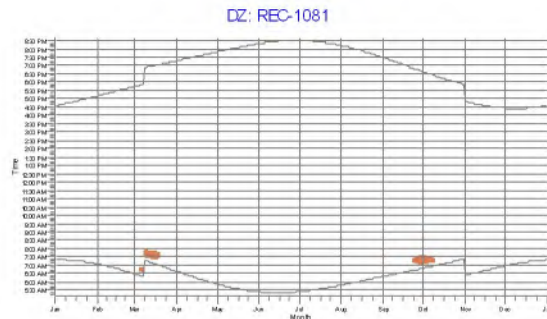
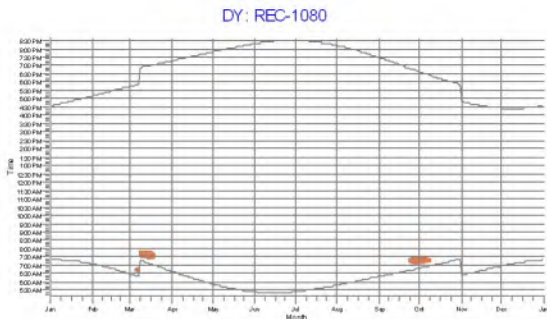
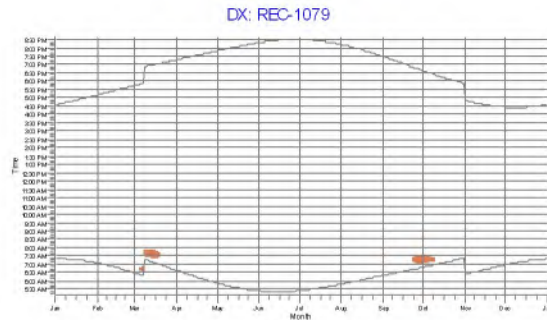
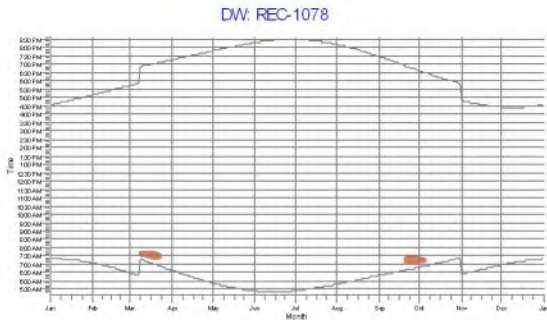
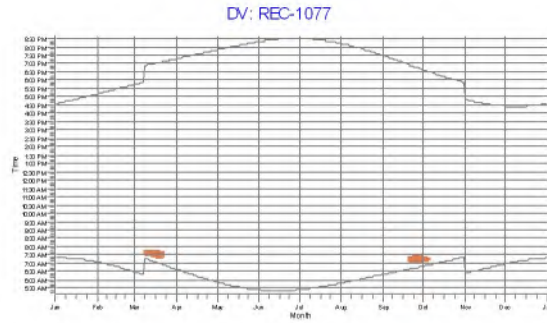
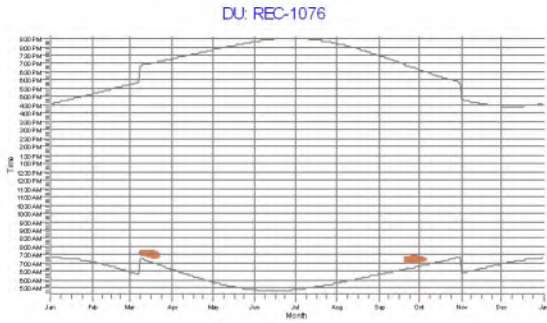
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WTGs
112: K92

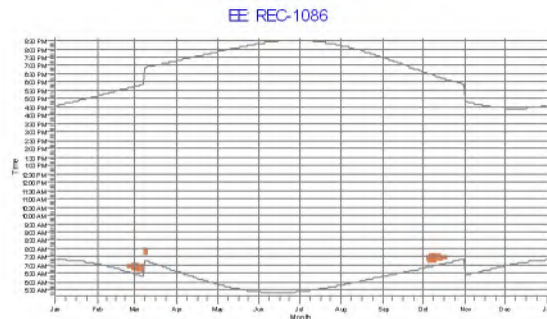
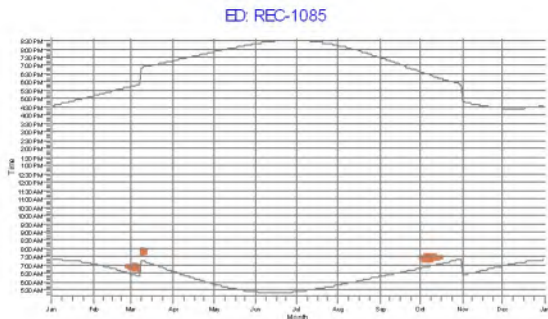
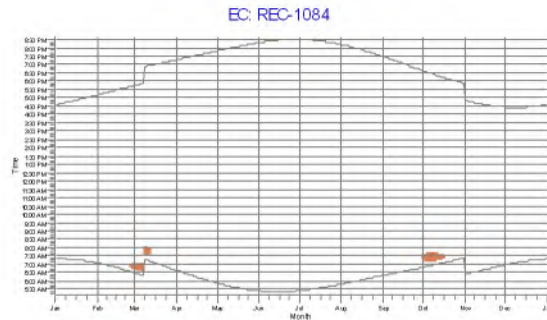
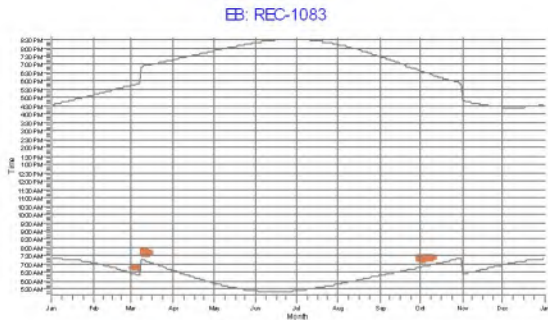
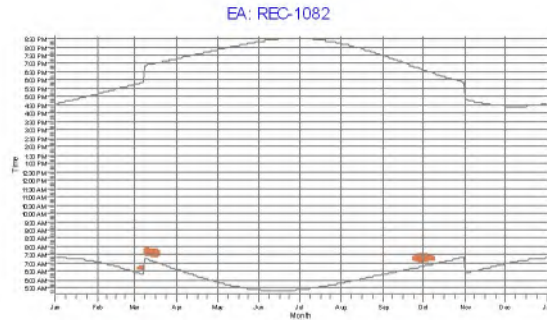
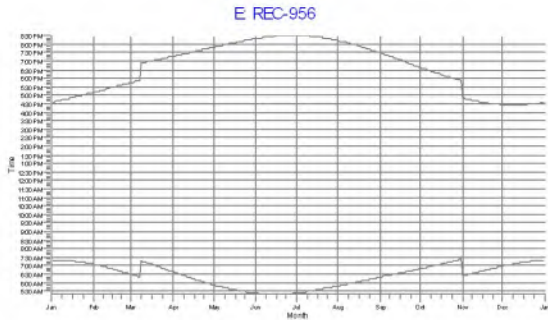
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

Project:
132138 - Pattern - Heritage Prairie Wind_v6

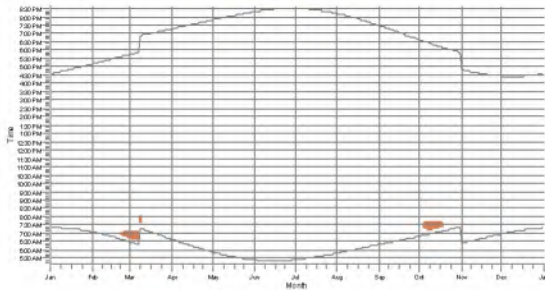
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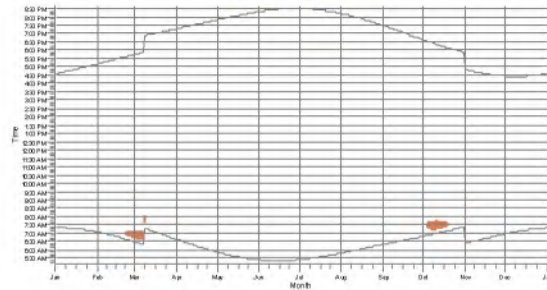
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

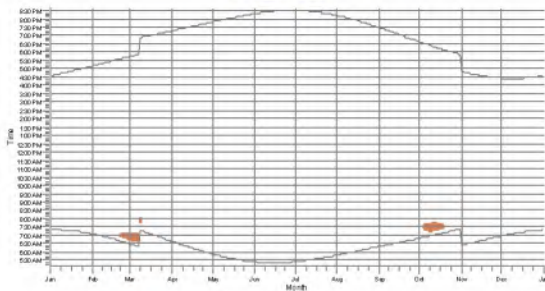
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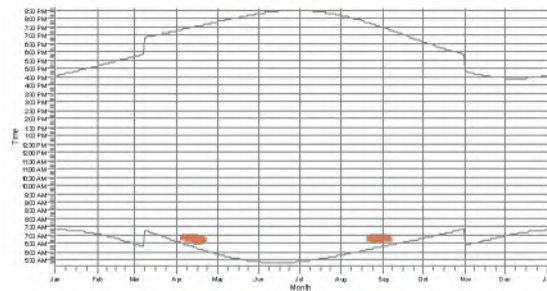
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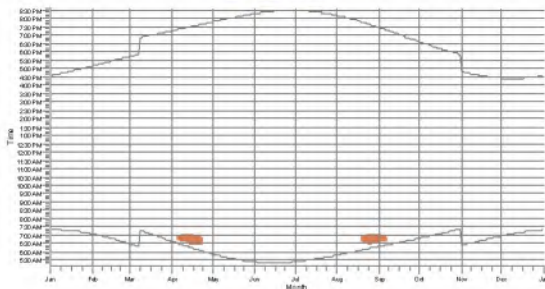
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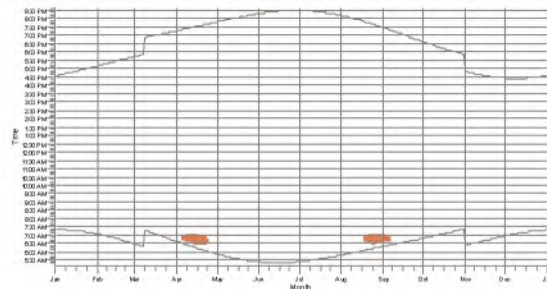
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WTGs

112: K92

Project:
132138 - Pattern - Heritage Prairie Wind_v6

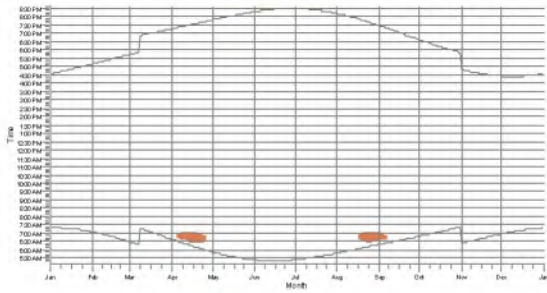
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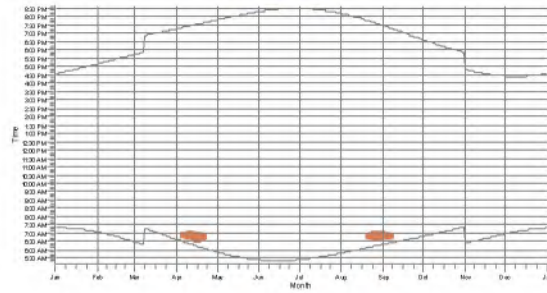
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

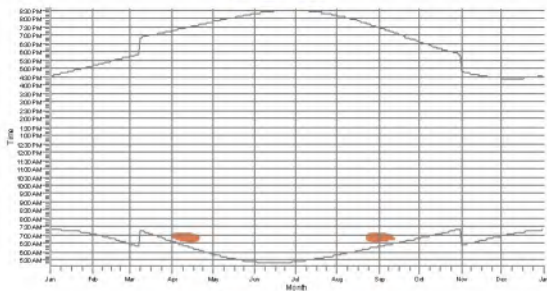
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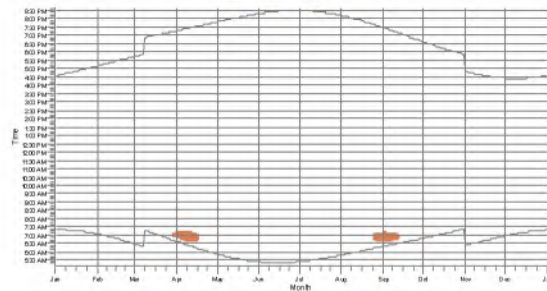
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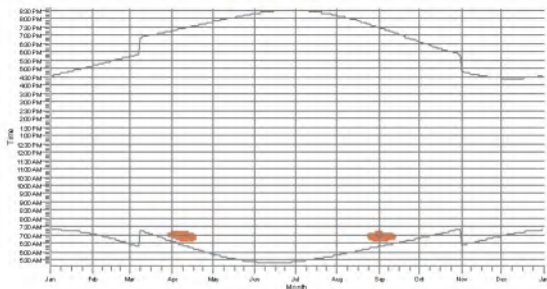
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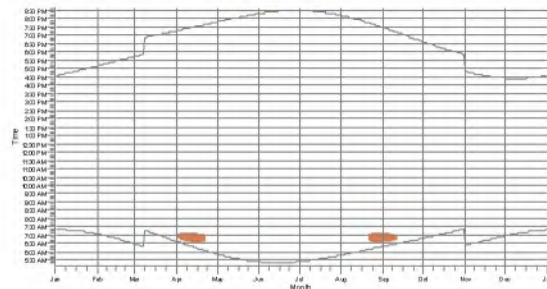
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WTGs

112: K92

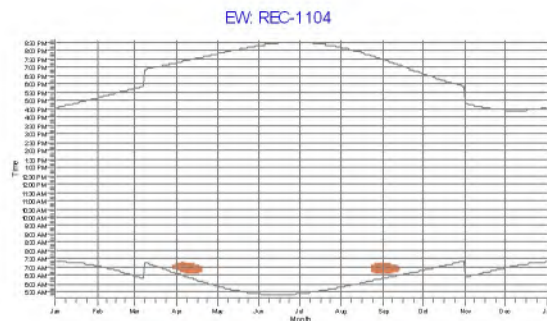
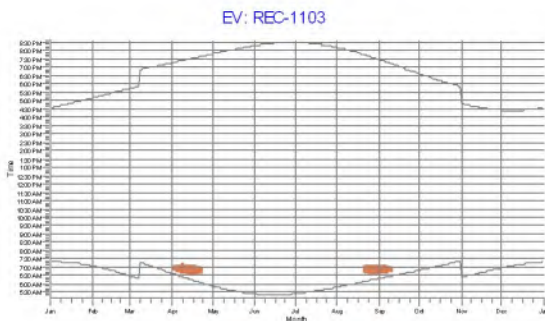
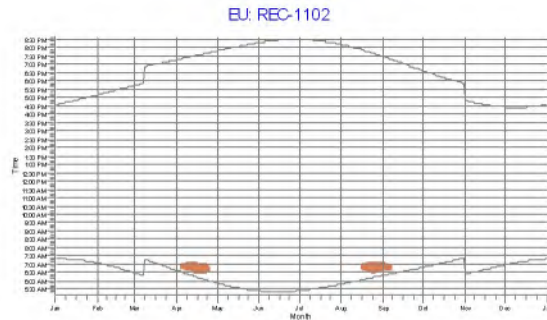
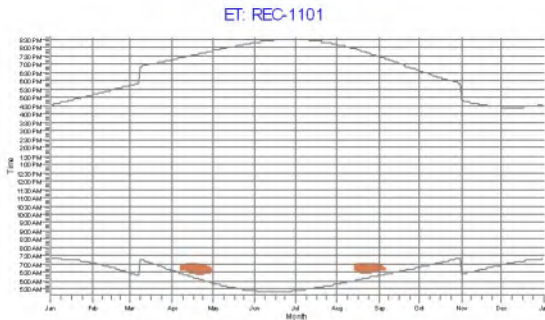
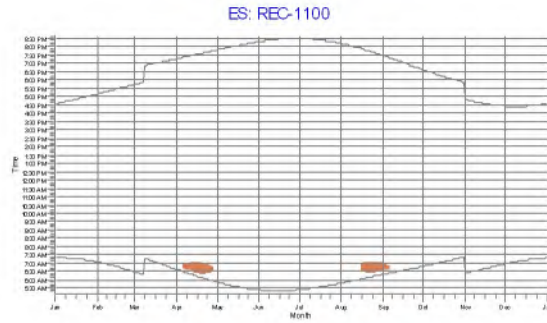
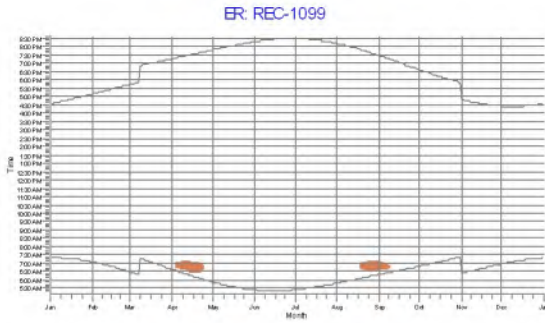
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

Project:
132138 - Pattern - Heritage Prairie Wind_v6

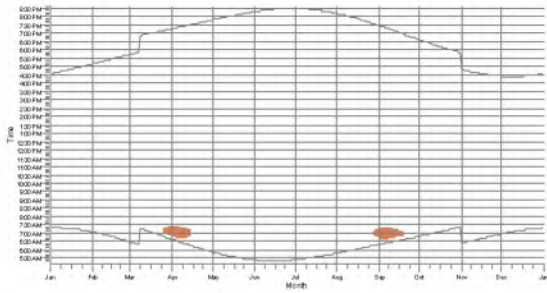
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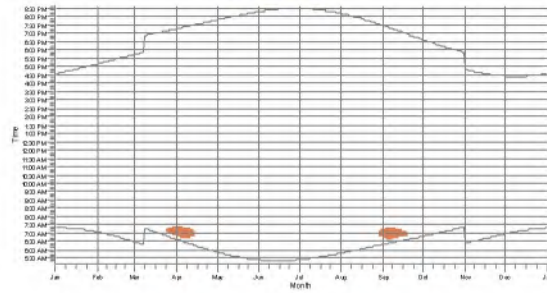
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Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

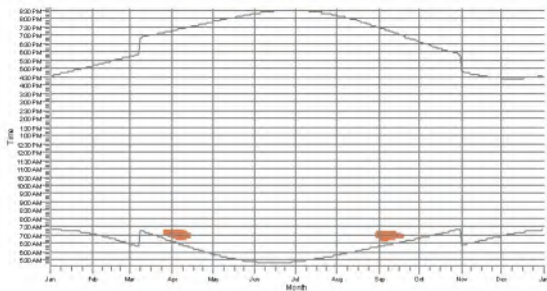
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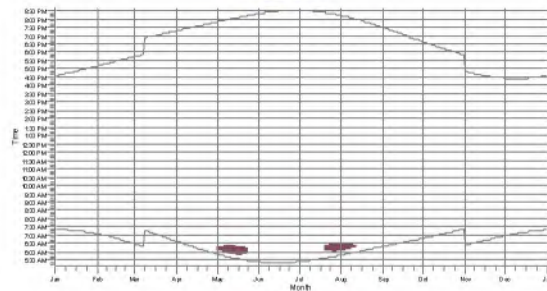
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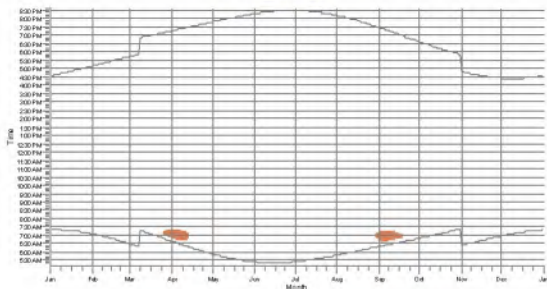
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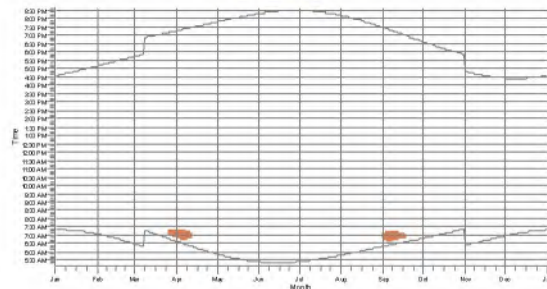
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FA: REC-1108



FB: REC-1109



WTGs

79: K13 112: K92

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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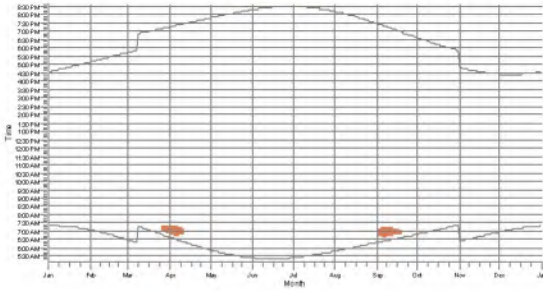
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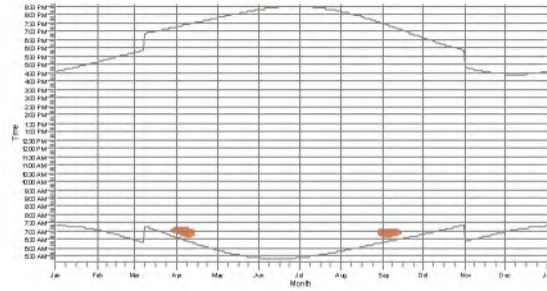
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

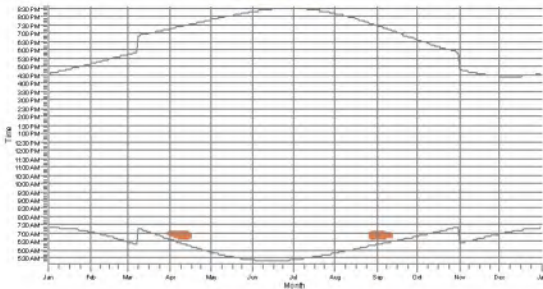
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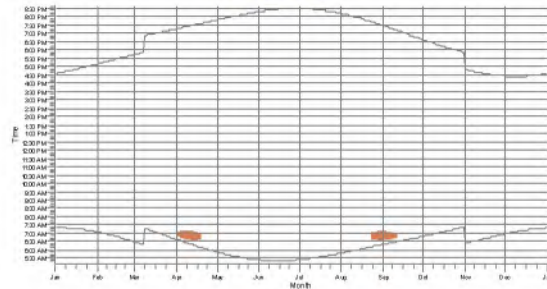
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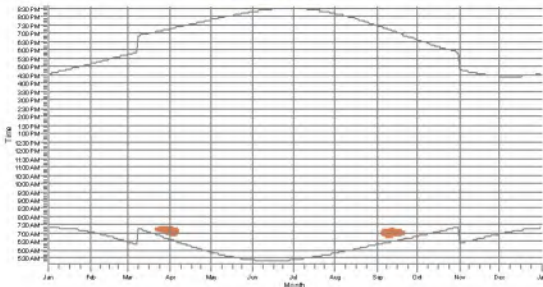
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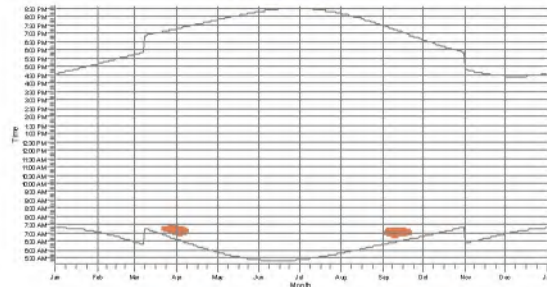
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WTGs

112: K92

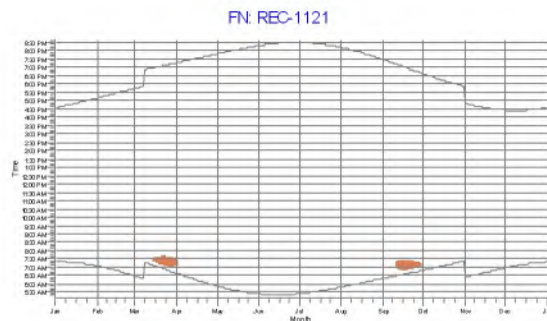
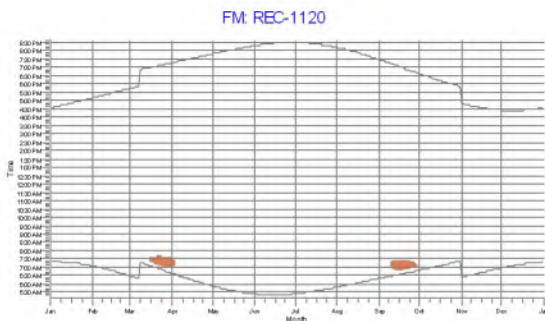
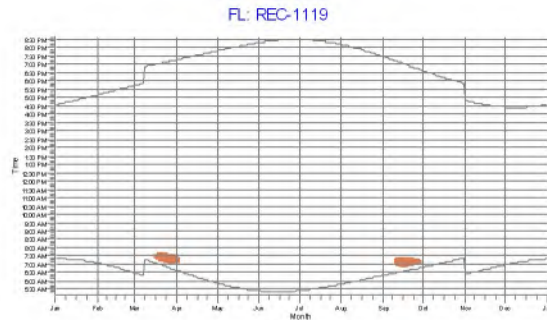
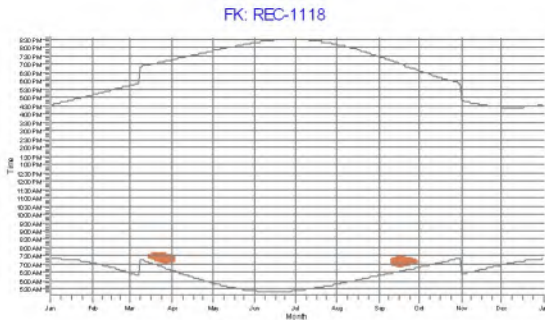
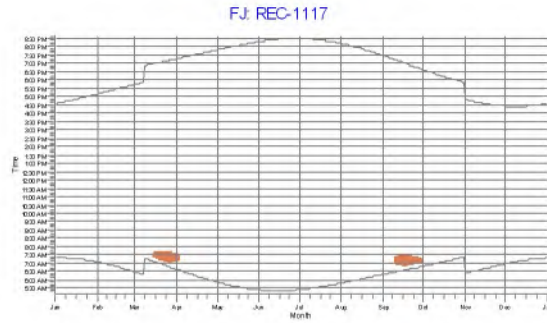
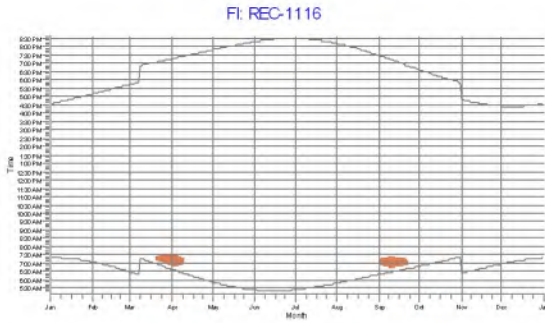
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

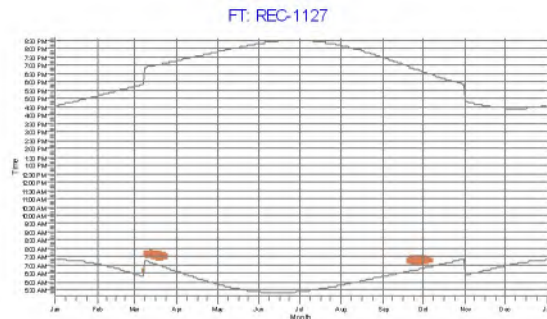
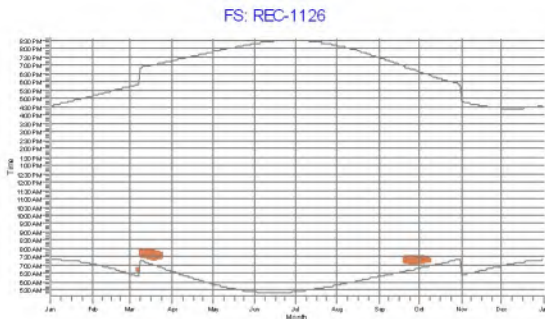
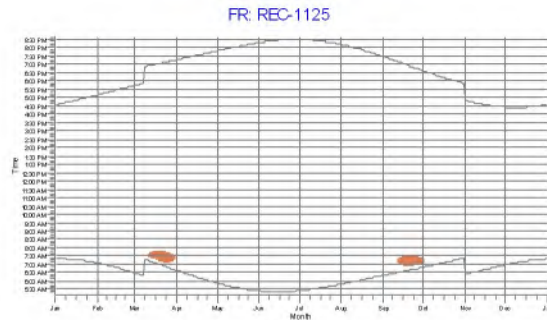
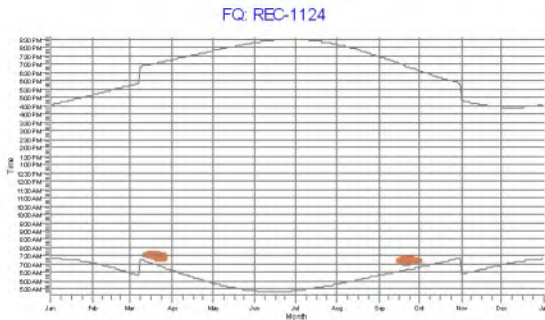
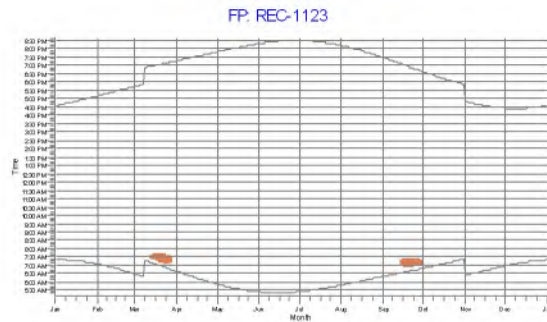
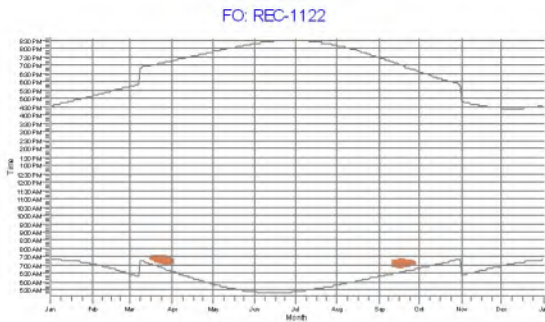
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SHADOW - Calendar, graphical

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WTGs
112: K92

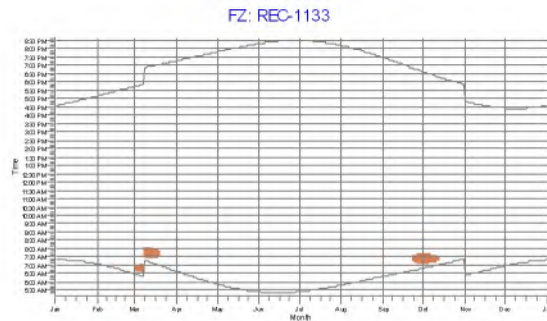
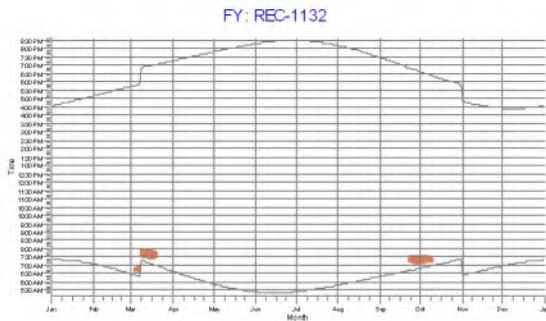
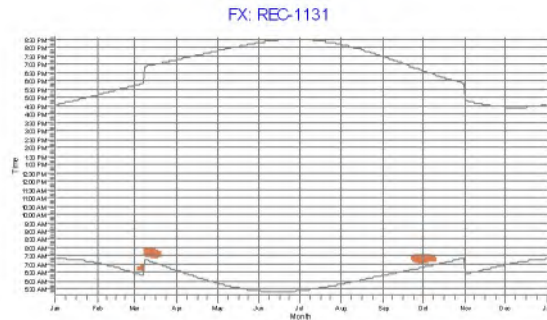
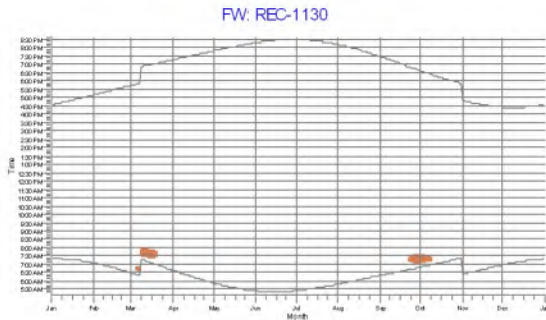
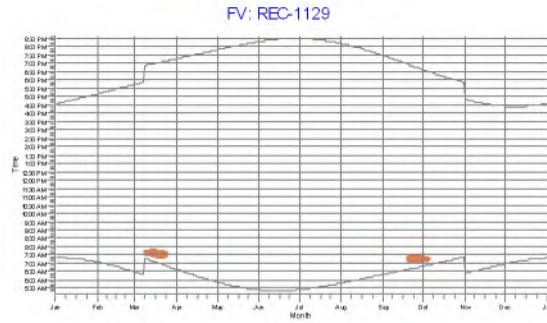
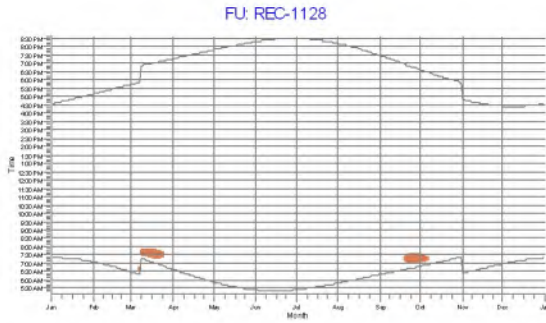
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

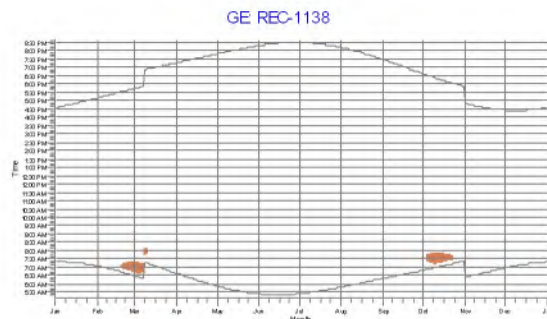
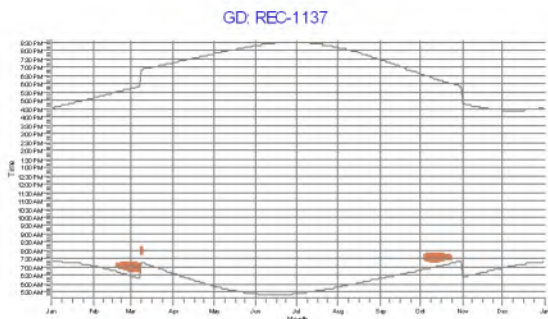
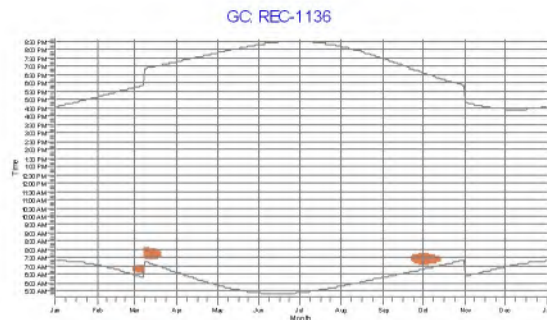
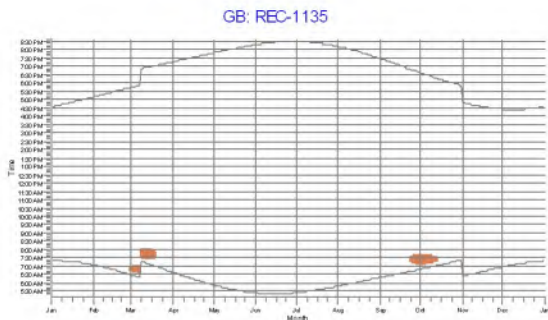
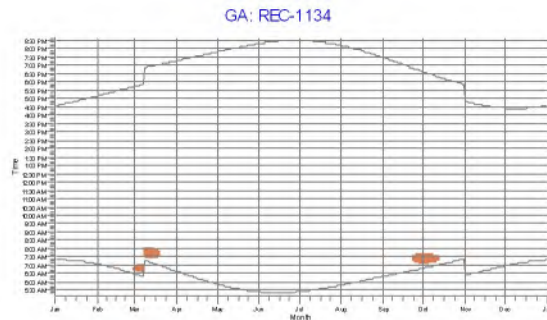
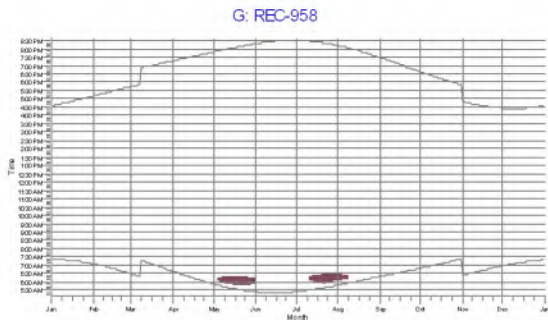
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SHADOW - Calendar, graphical

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WTGs
79: K13 112: K92

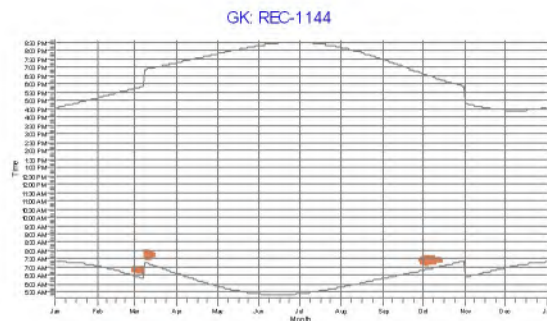
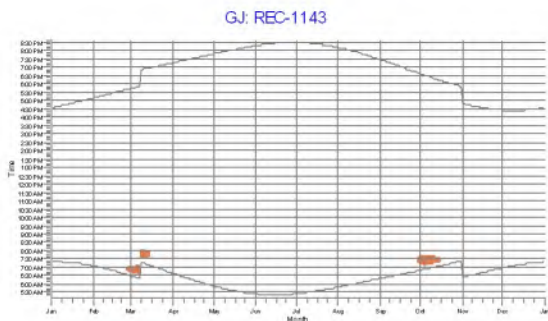
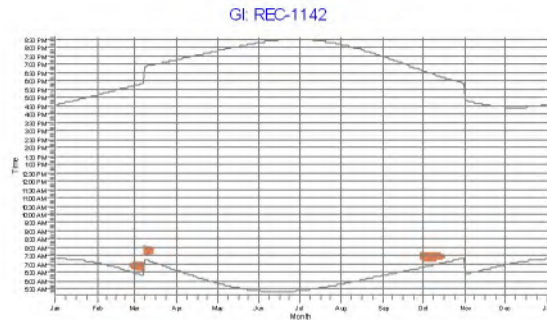
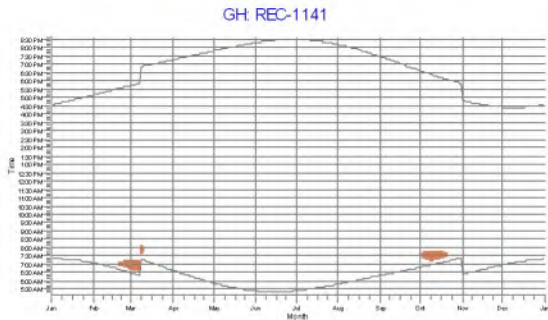
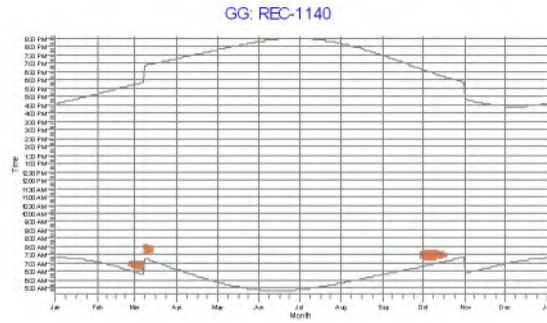
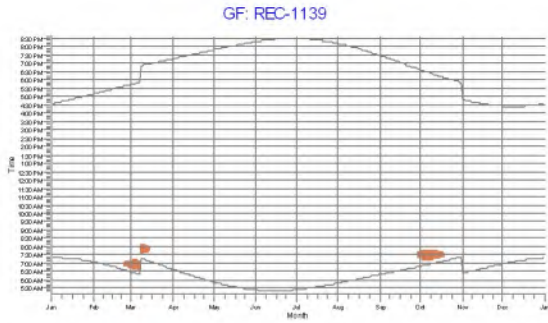
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

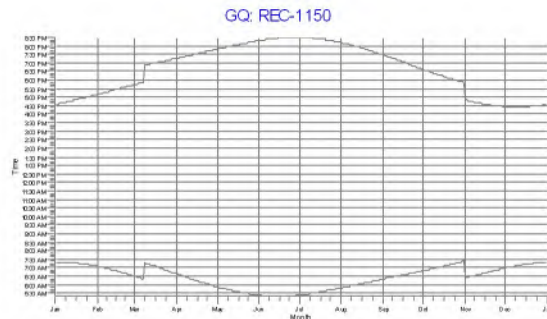
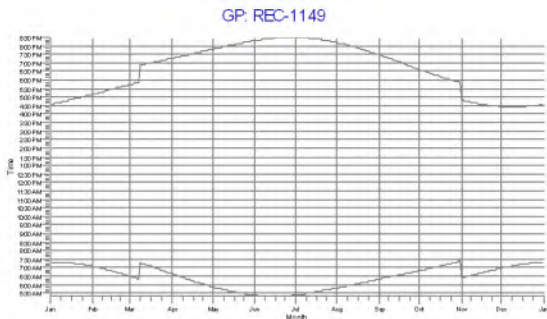
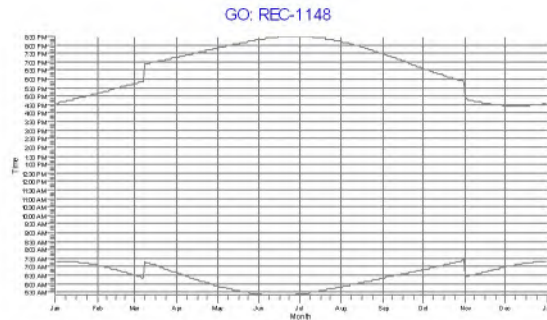
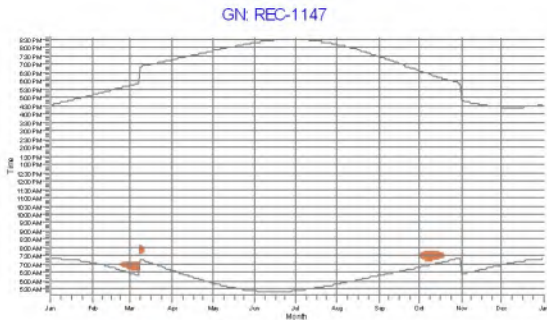
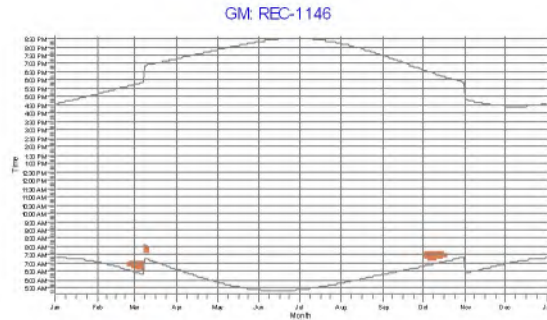
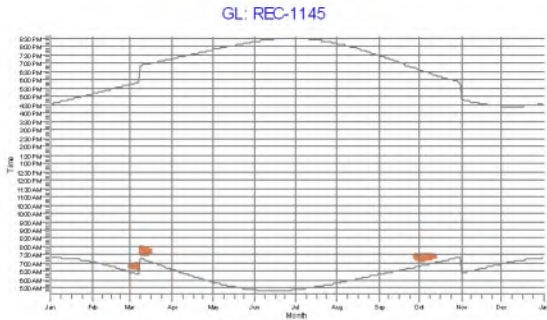
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SHADOW - Calendar, graphical

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WTGs
112: K92

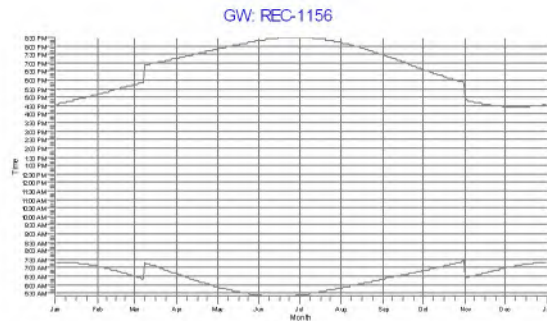
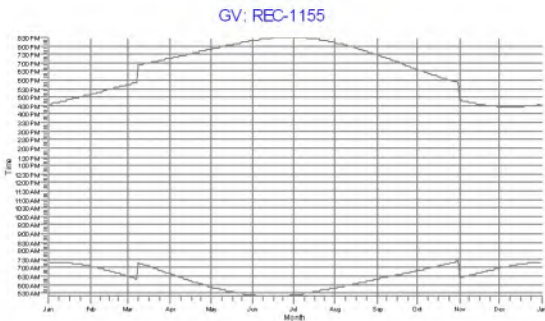
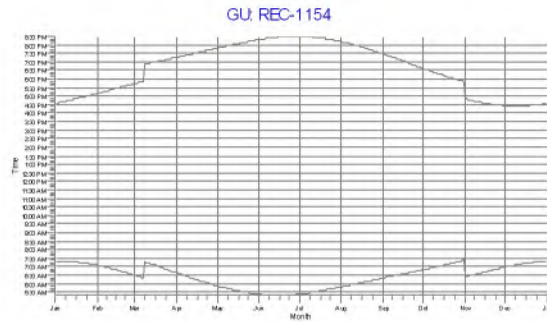
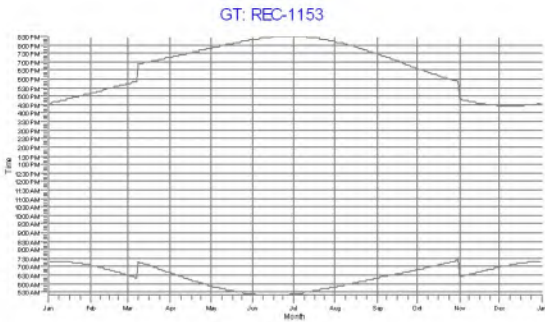
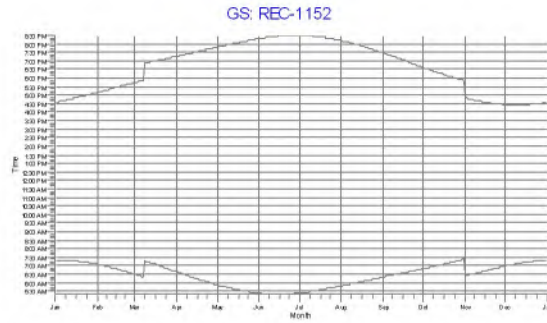
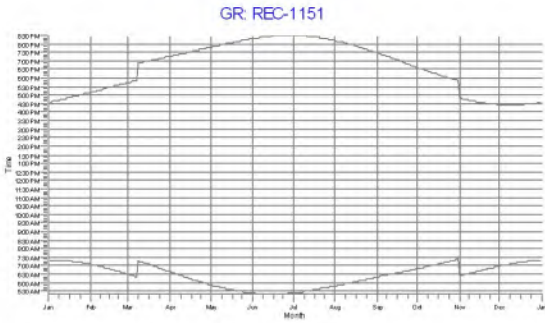
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WTGs

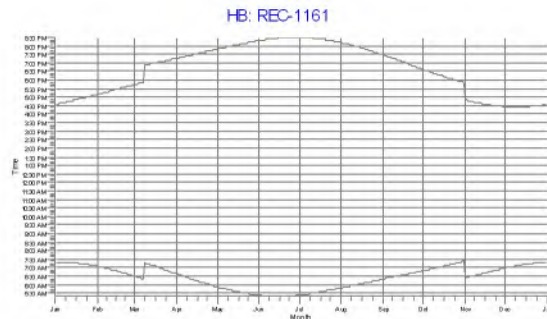
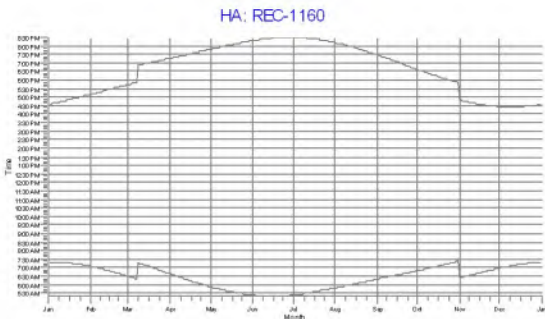
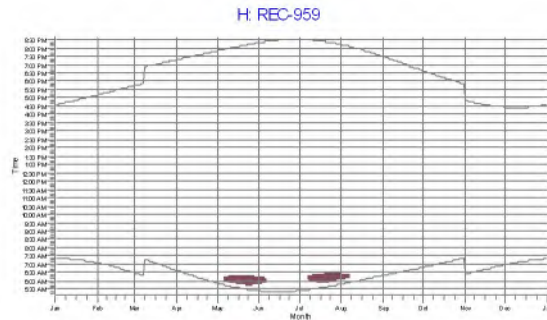
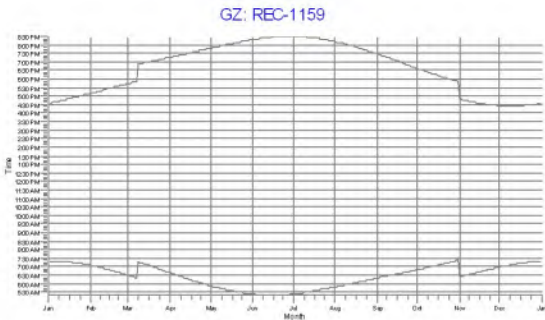
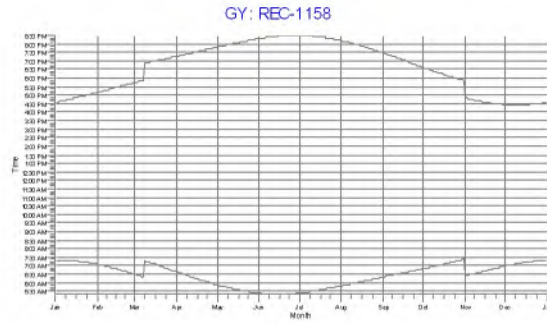
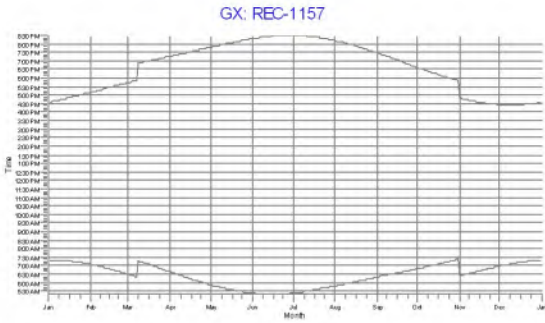
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

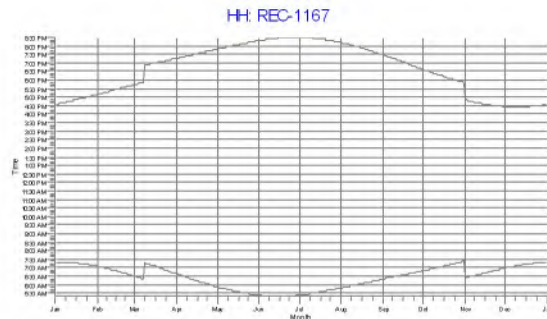
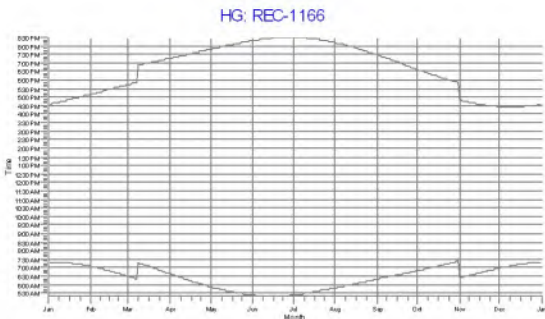
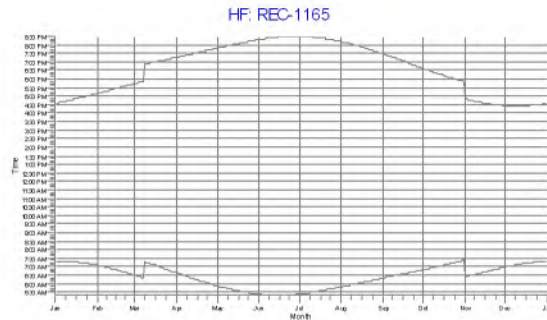
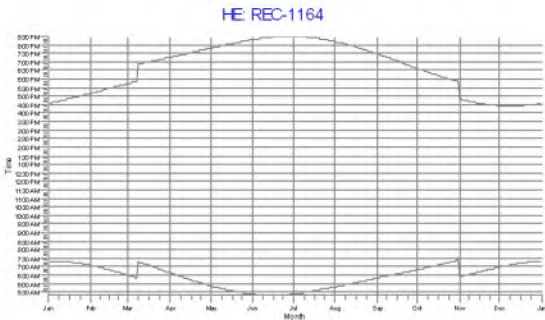
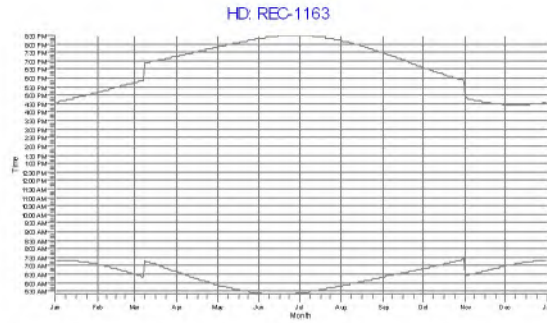
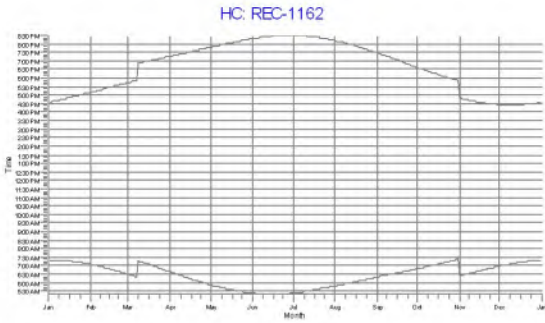
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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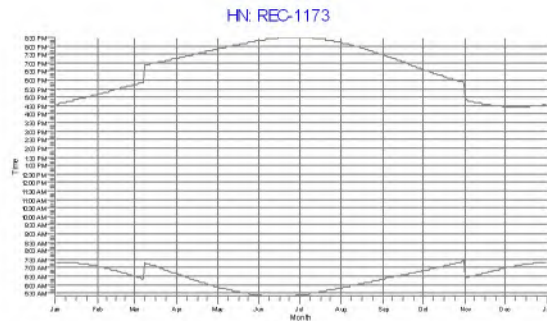
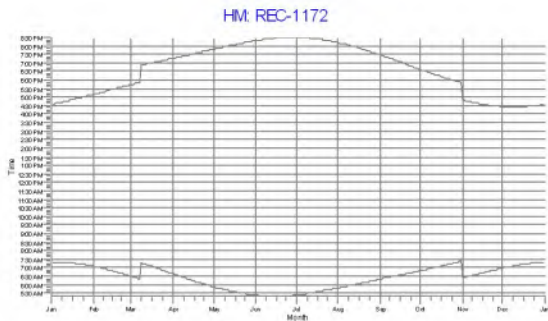
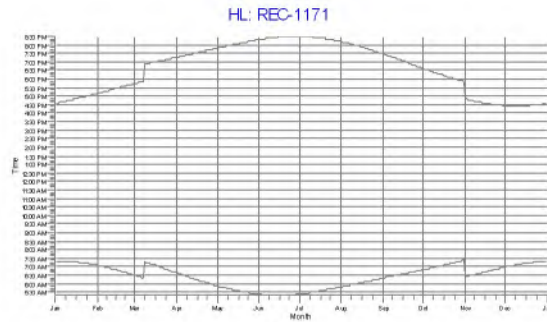
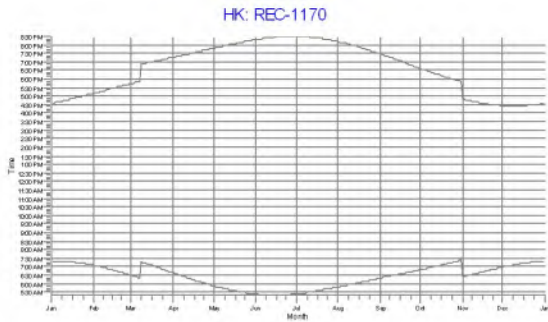
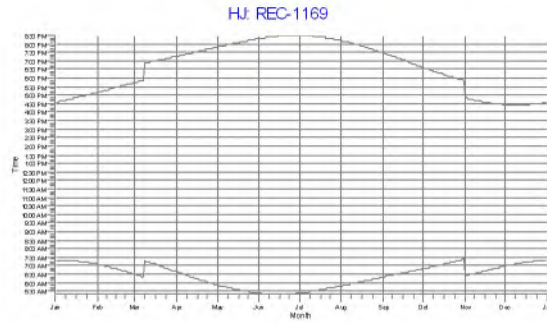
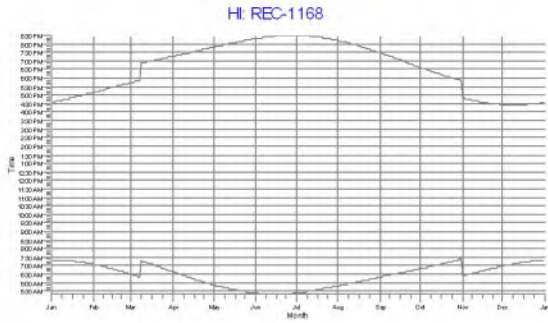
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

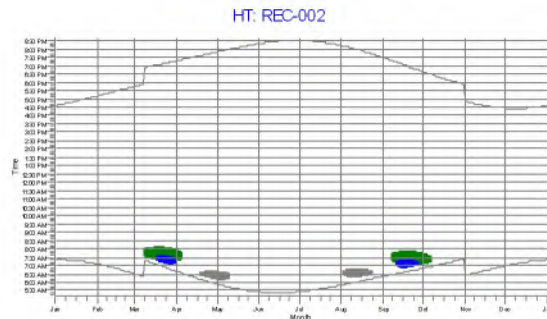
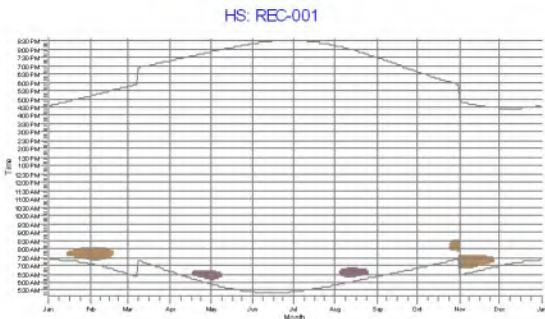
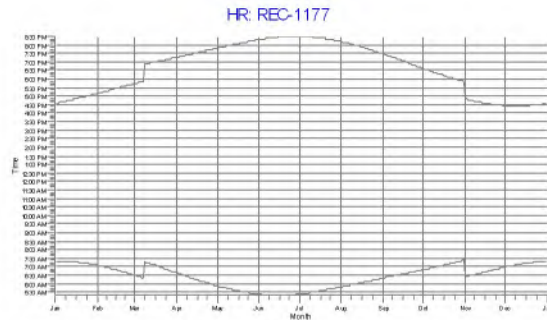
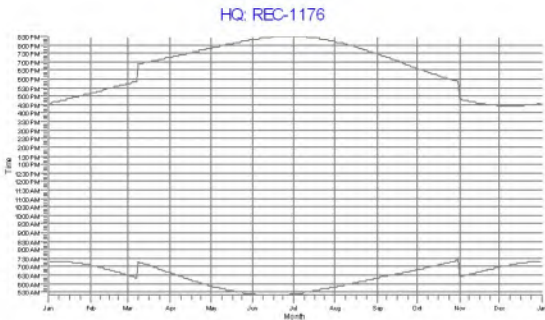
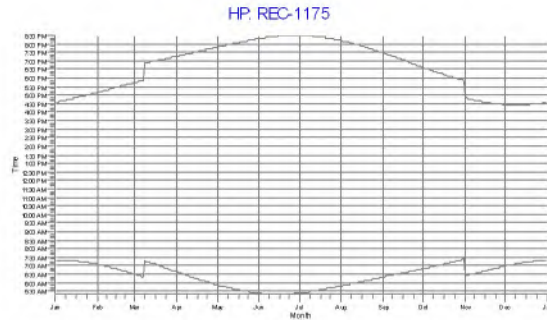
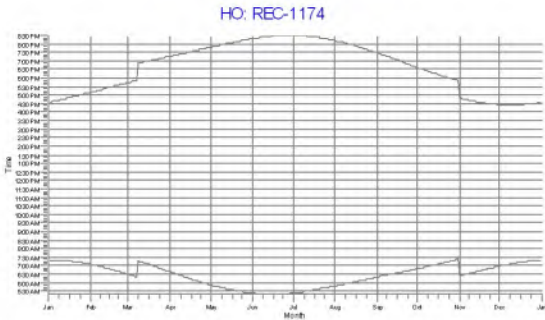
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 1: L2
 3: L5
 4: L6
 70: L120
 71: L121

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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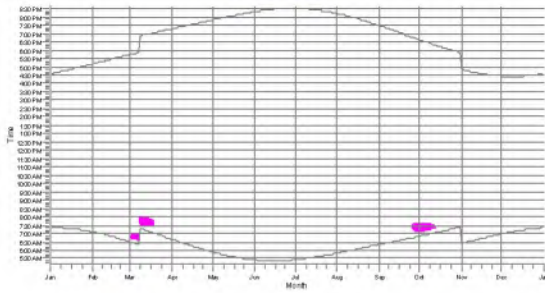
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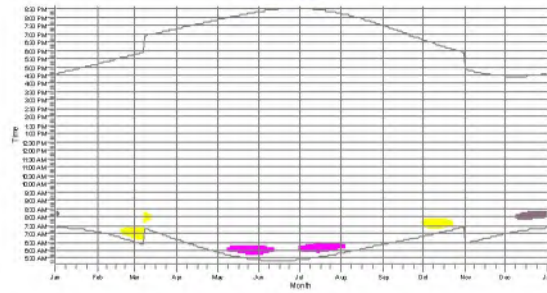
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

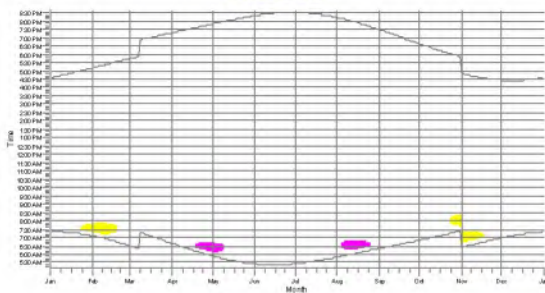
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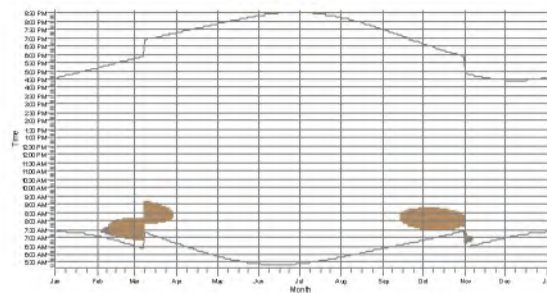
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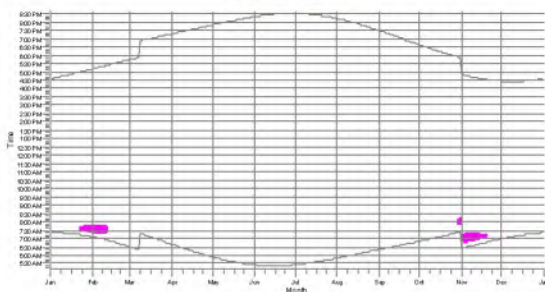
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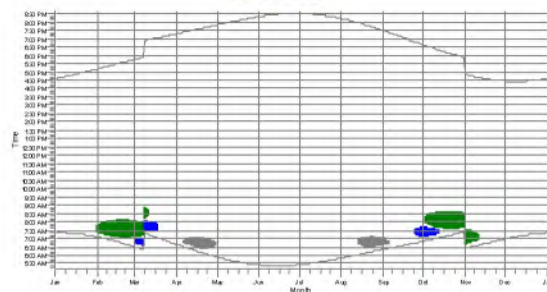
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HY: REC-007



HZ: REC-008



WTGs

■ 1: L2
 ■ 2: L4
 ■ 3: L5
 ■ 4: L6
 ■ 5: L9
 ■ 70: L120
 ■ 71: L121

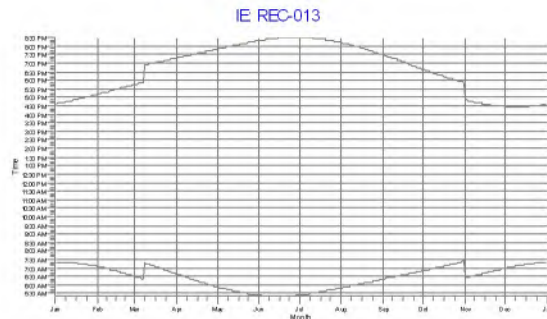
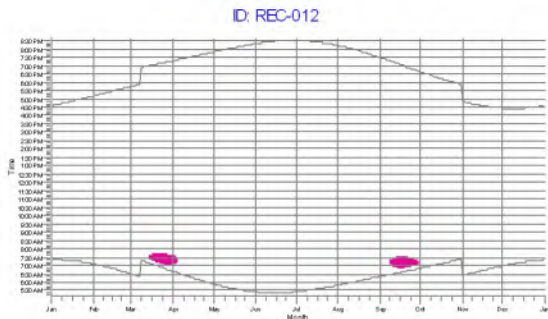
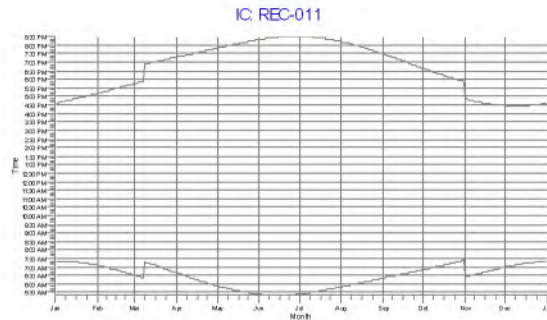
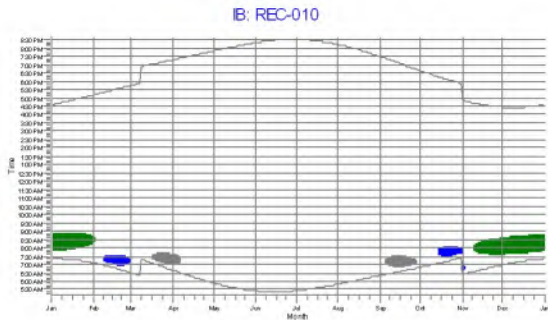
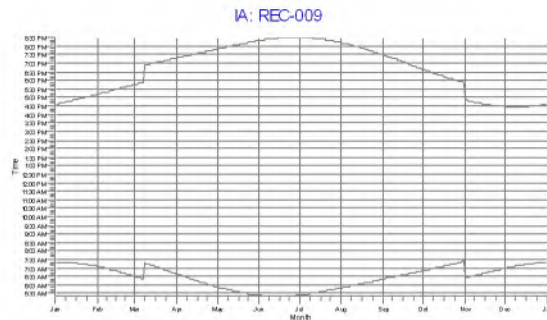
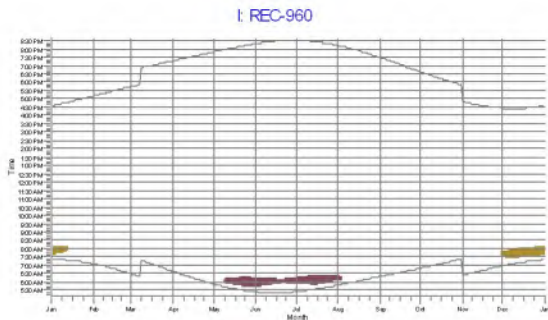
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 1: L2 ■ 3: L5 ■ 4: L6 ■ 66: L109 ■ 78: K12 ■ 79: K13

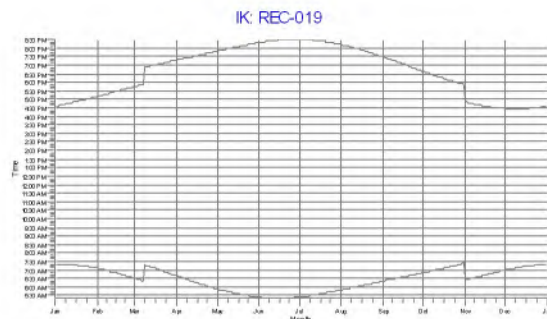
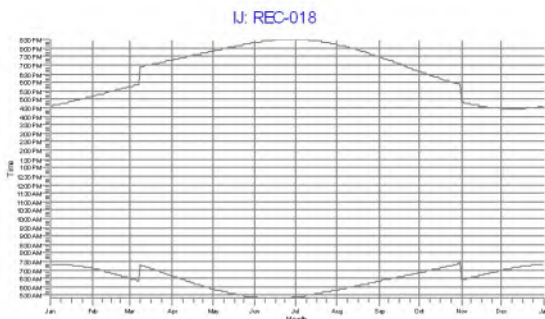
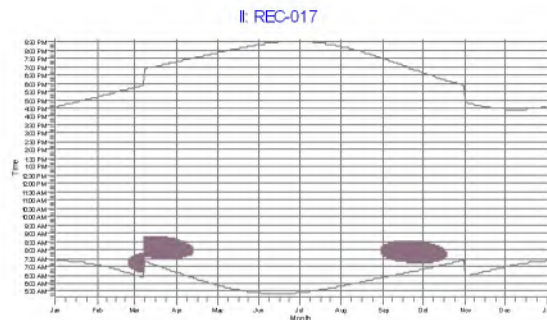
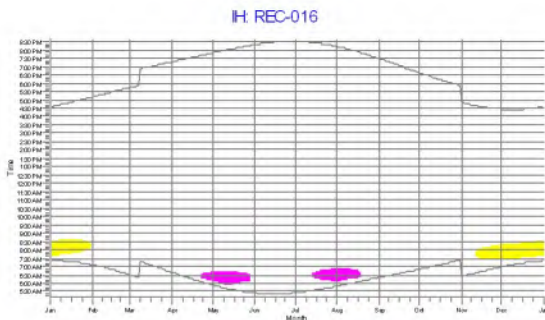
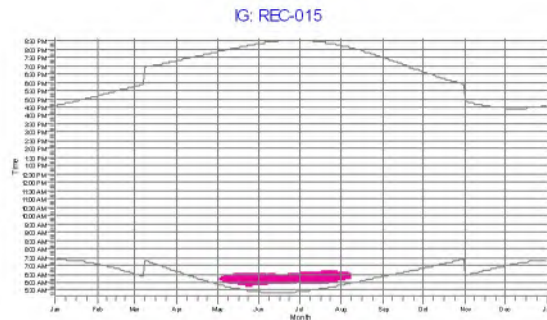
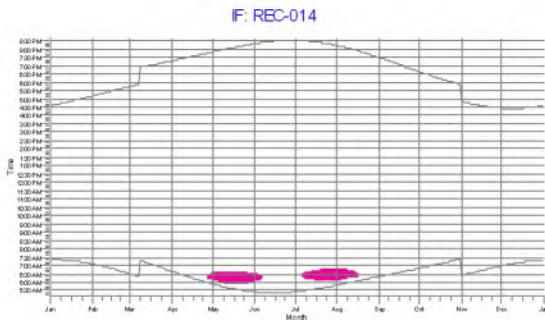
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

2: L4 5: L9 66: L109 70: L120

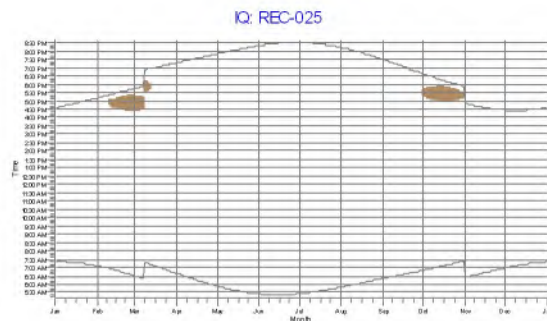
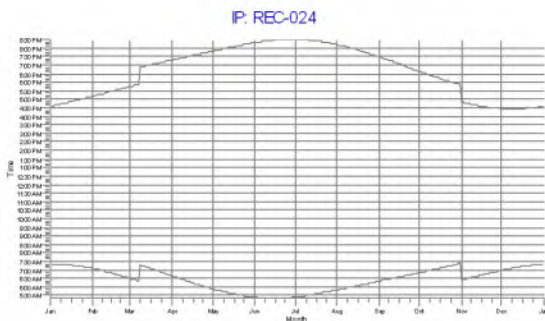
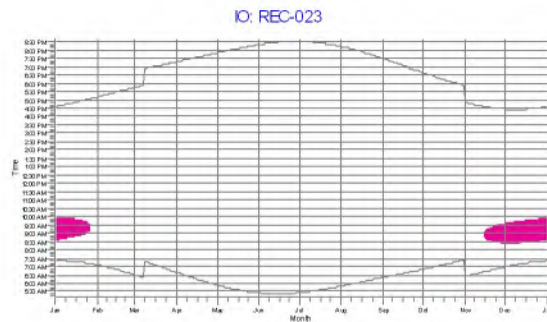
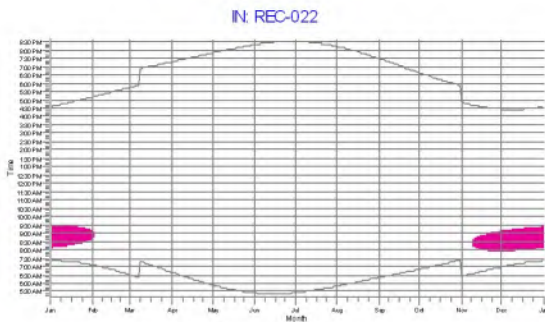
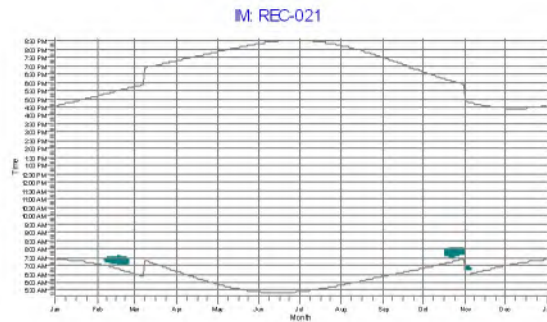
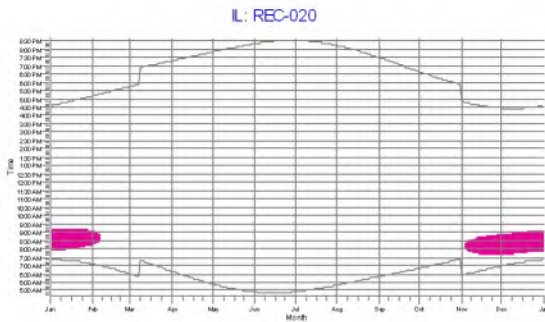
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

6: L11 66: L109 71: L121

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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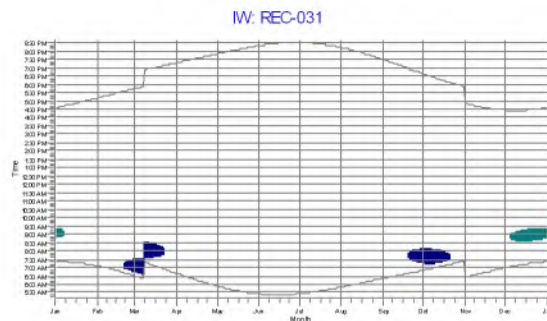
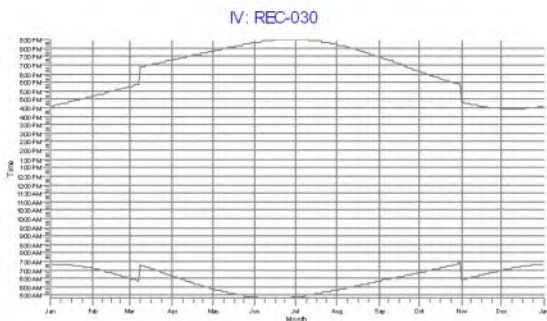
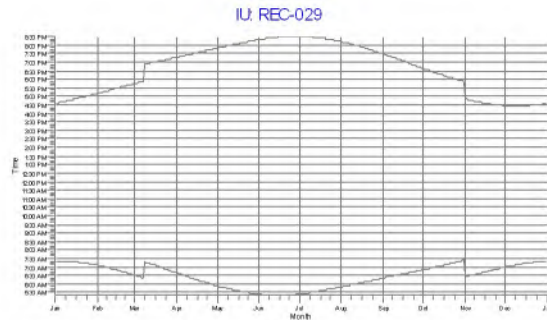
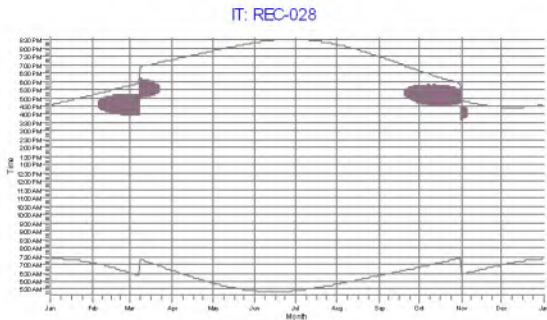
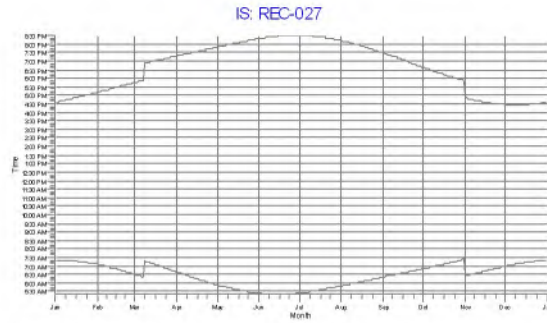
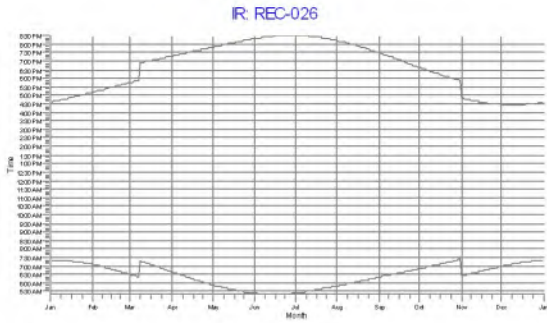
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

6: L11 7: L13 70: L120

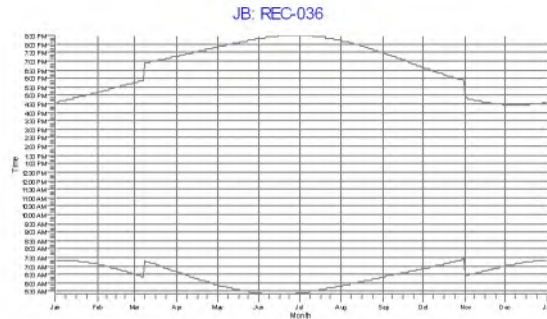
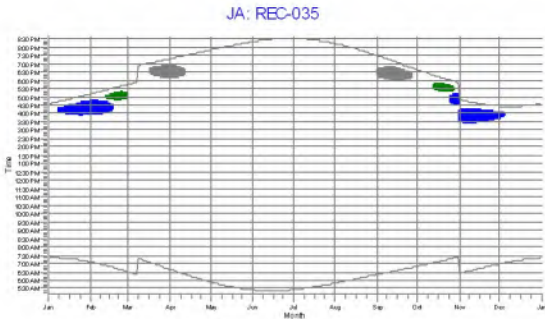
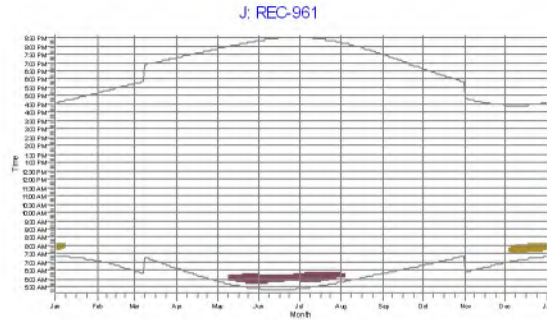
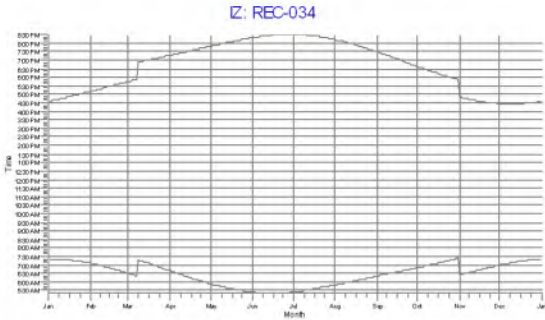
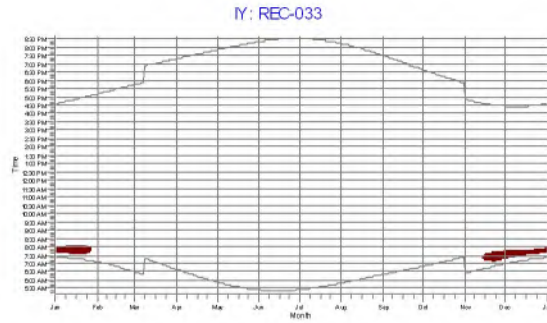
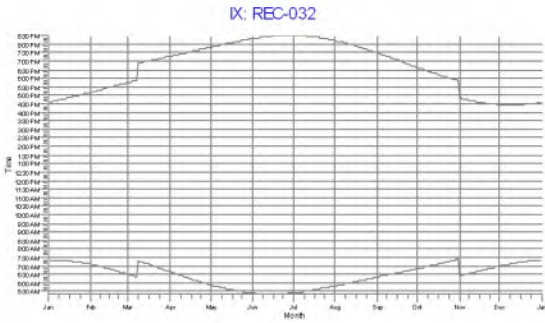
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 1: L2
■ 3: L5
■ 4: L6
■ 8: L16
■ 78: K12
■ 79: K13

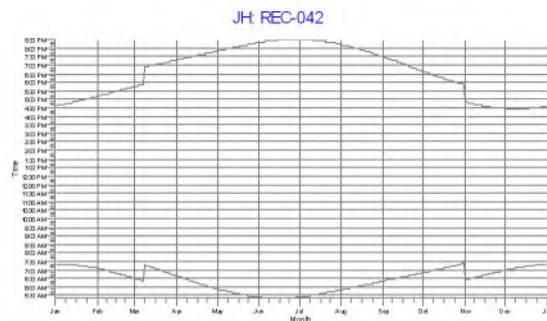
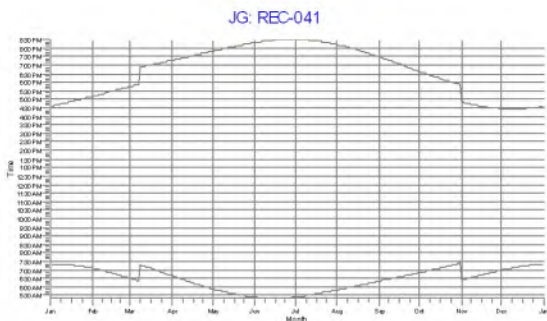
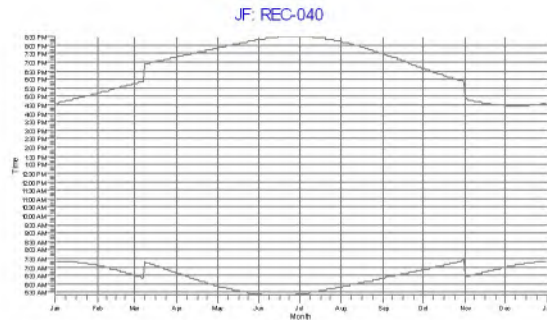
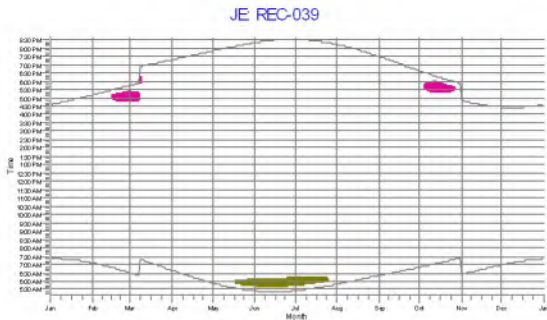
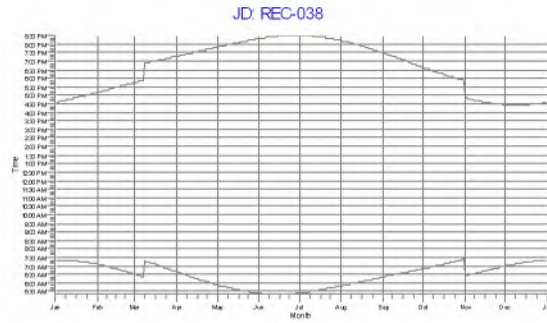
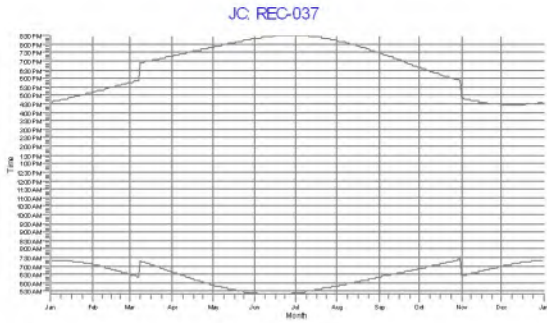
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SHADOW - Calendar, graphical

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WTGs

10: L18 66: L109

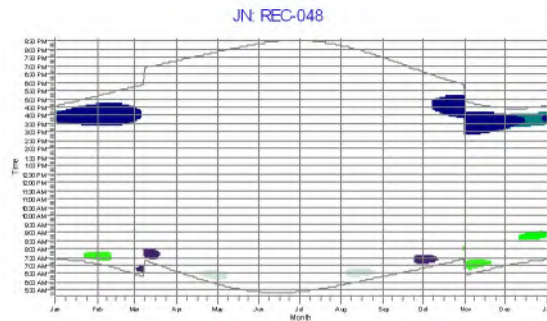
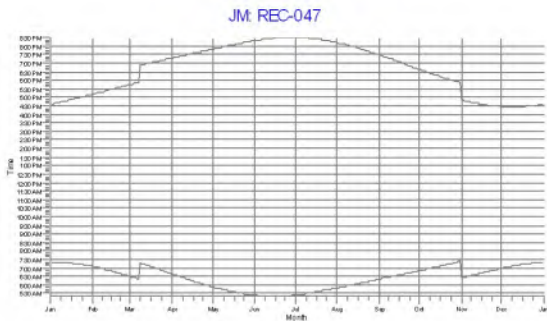
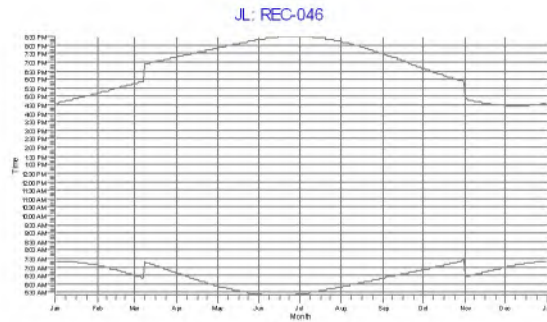
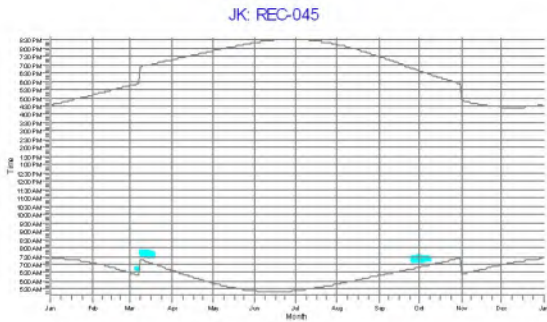
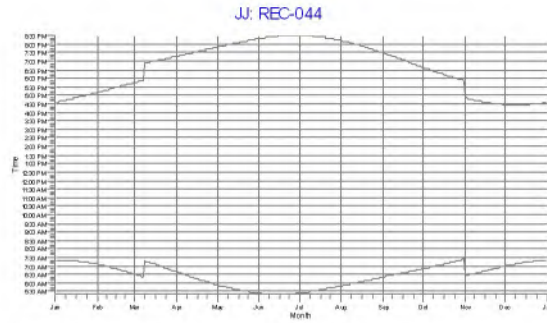
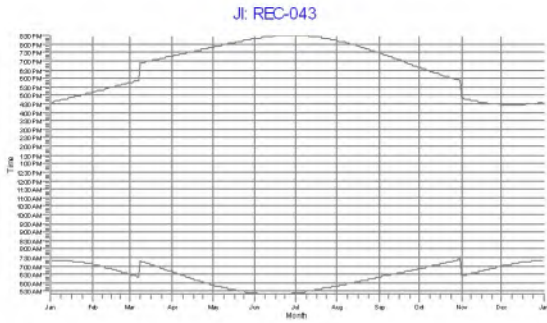
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

6: L11 7: L13 9: L17 13: L24 18: L30 61: L99 68: L111

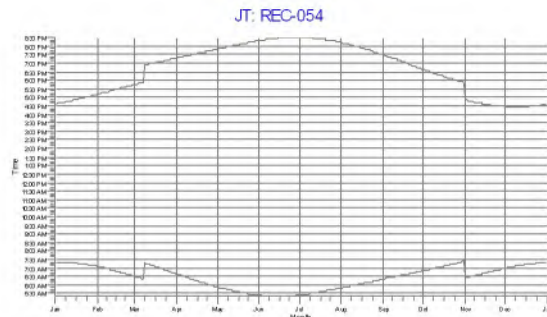
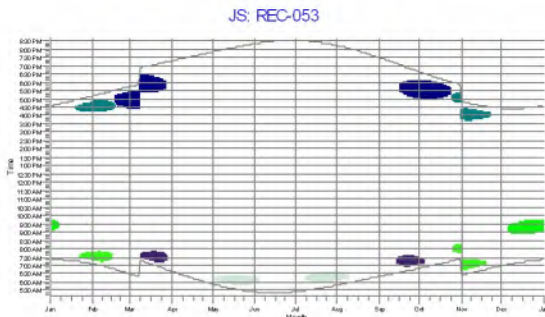
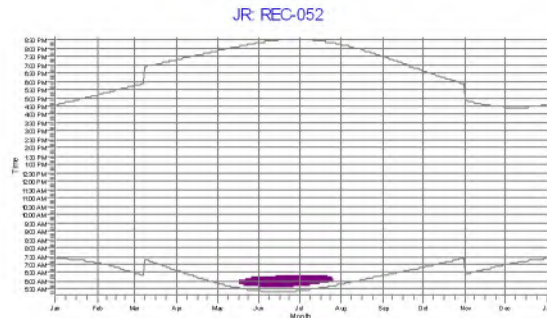
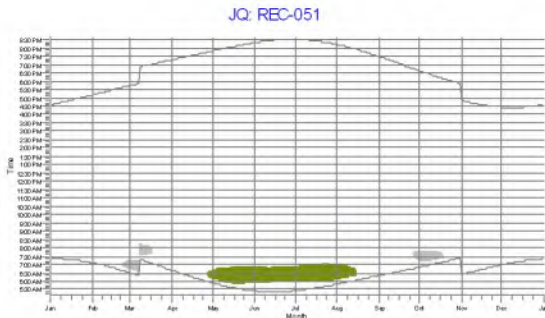
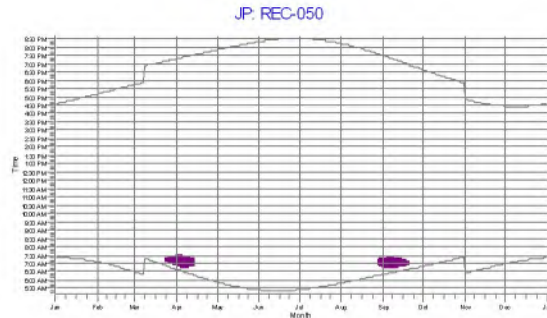
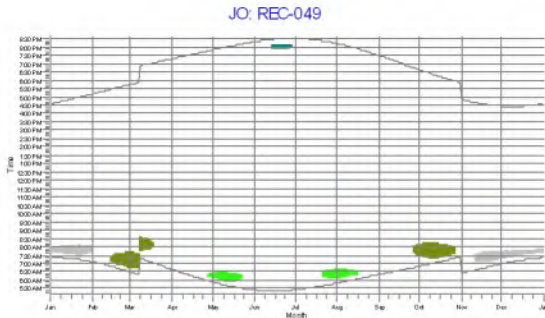
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WTGs



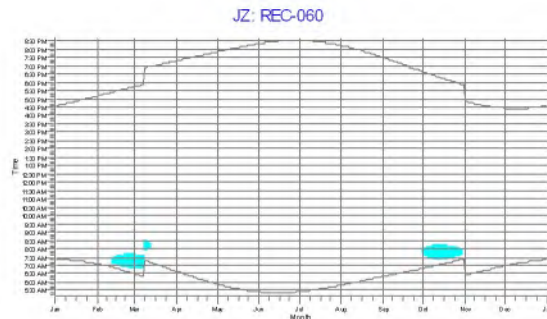
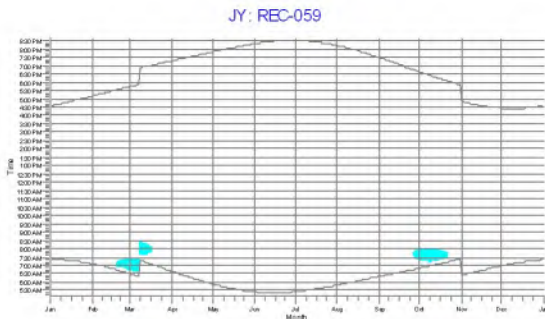
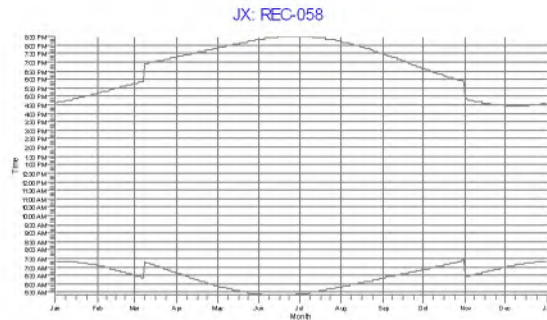
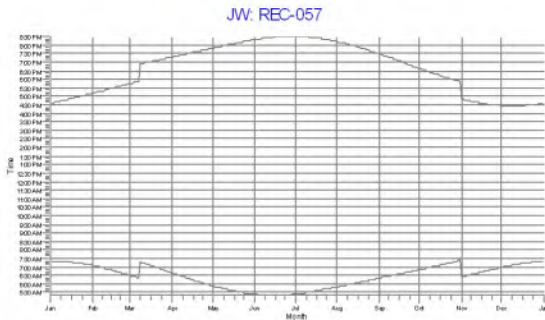
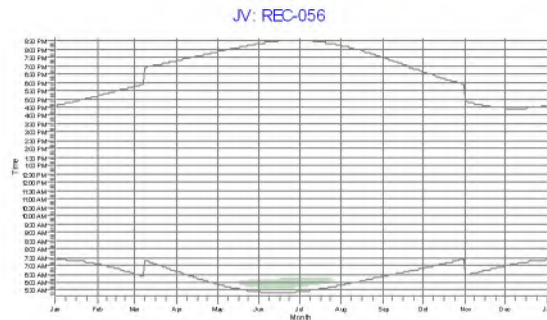
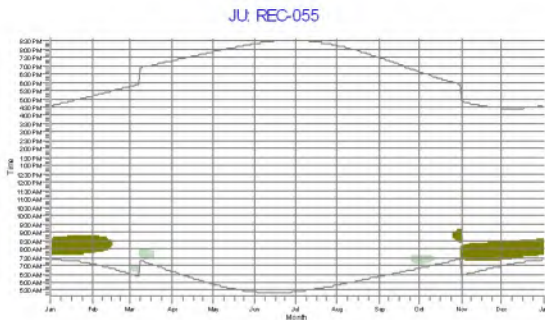
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SHADOW - Calendar, graphical

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WTGs
 10: L18
 13: L24
 14: L26

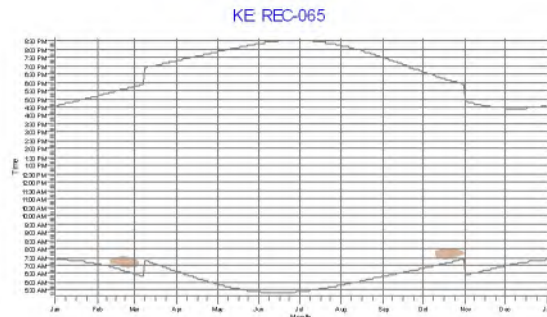
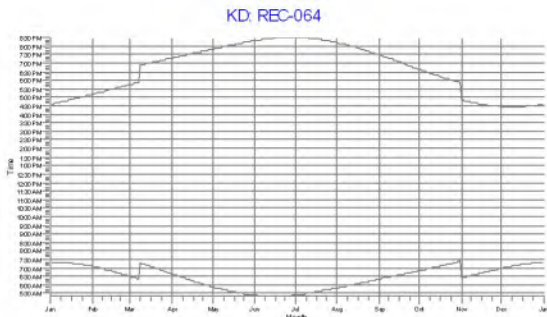
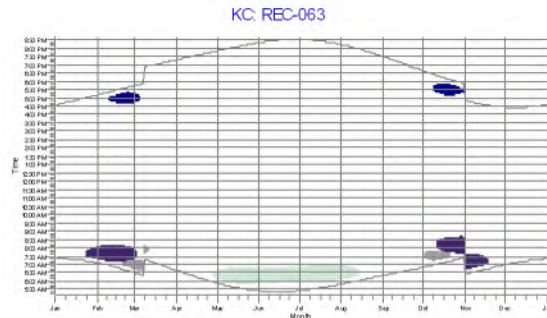
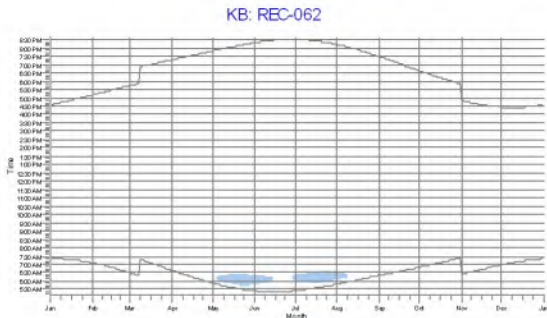
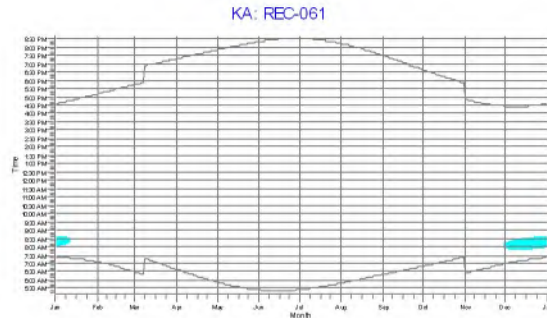
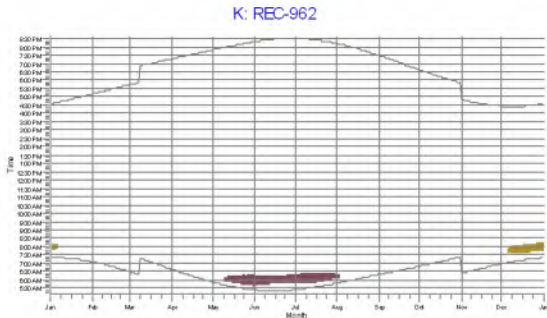
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SHADOW - Calendar, graphical

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WTGs



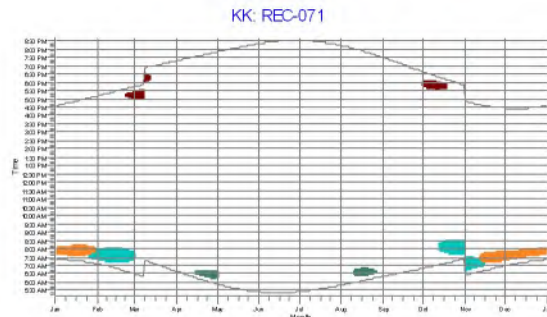
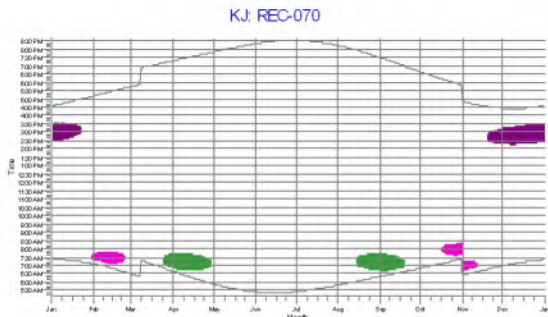
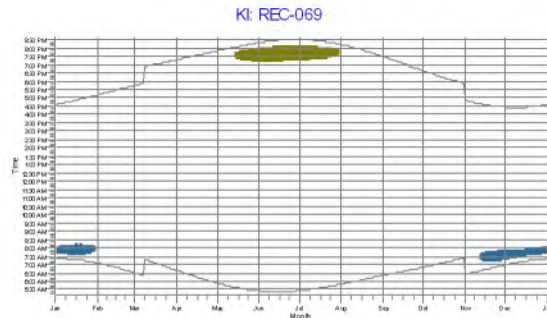
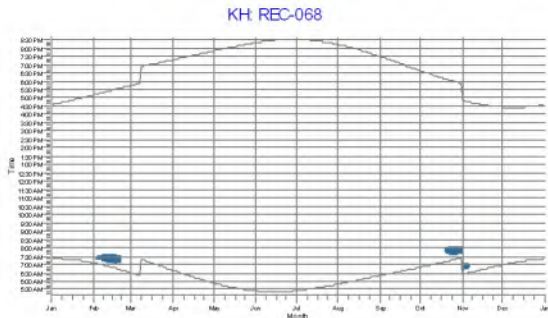
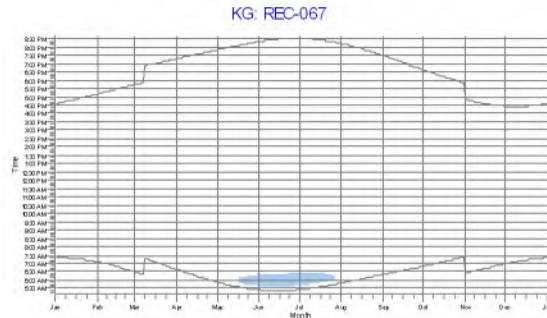
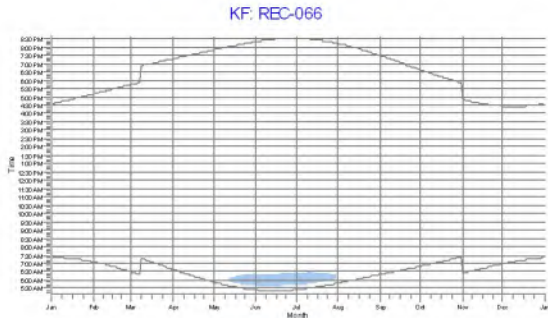
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

- 8: L16
- 10: L18
- 11: L20
- 15: L27
- 20: L32
- 21: L33
- 22: L34
- 23: L35
- 24: L37
- 29: L43

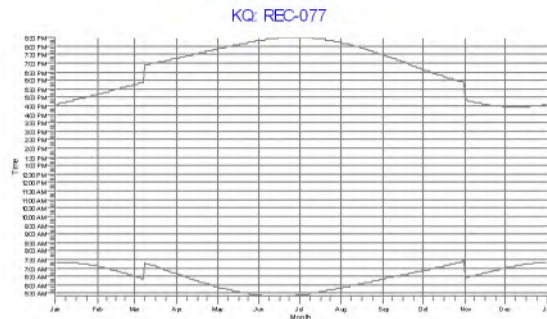
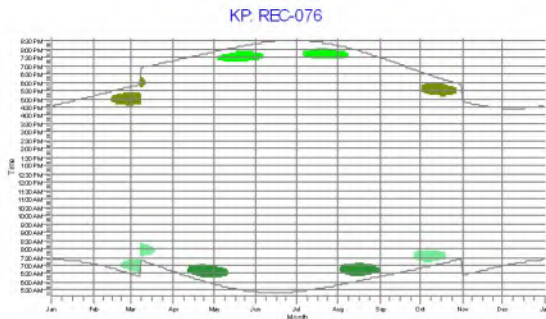
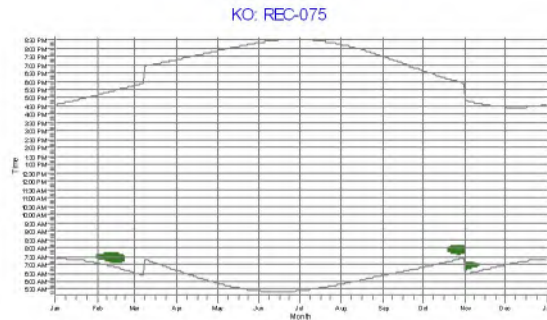
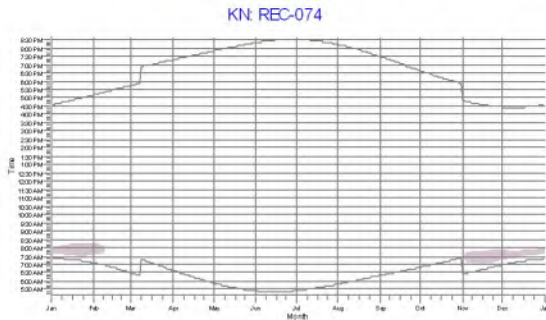
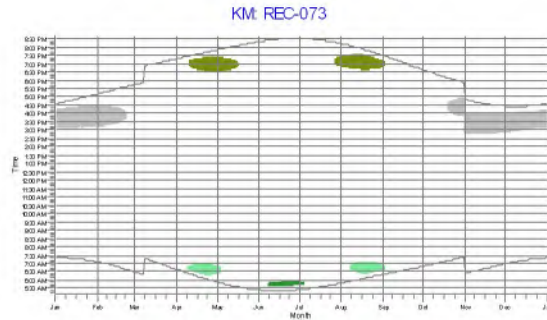
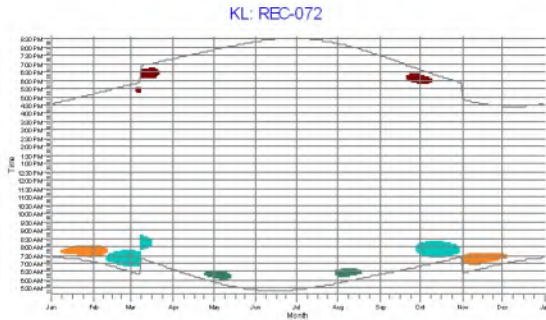
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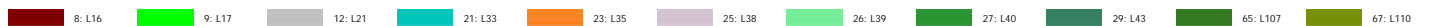
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs



Project:
132138 - Pattern - Heritage Prairie Wind_v6

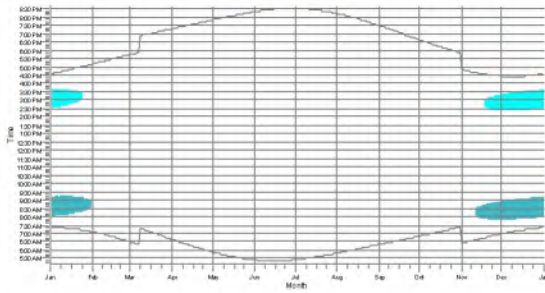
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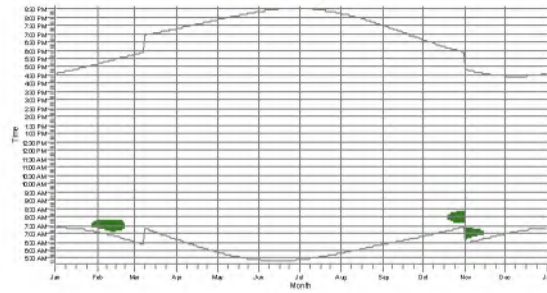
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

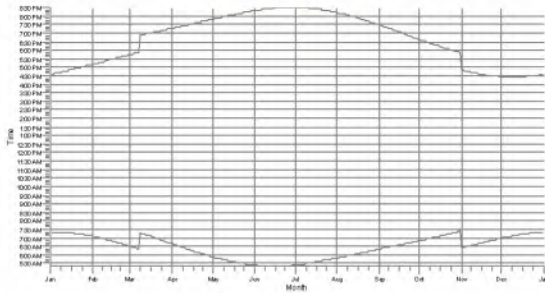
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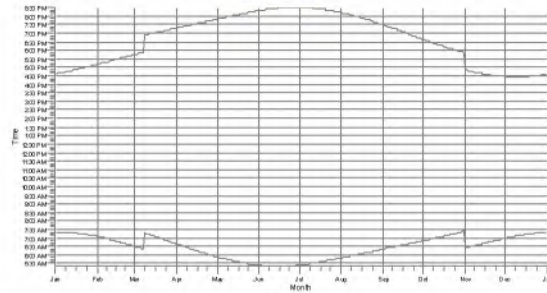
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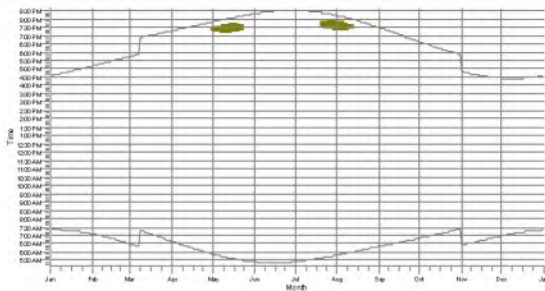
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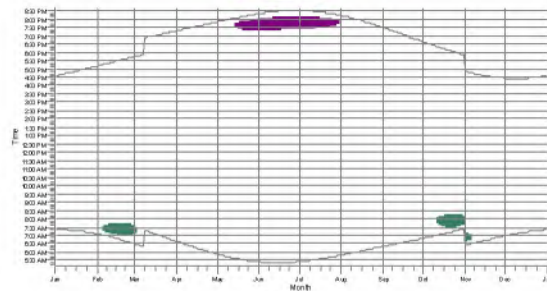
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KV: REC-082



KW: REC-083



WTGs

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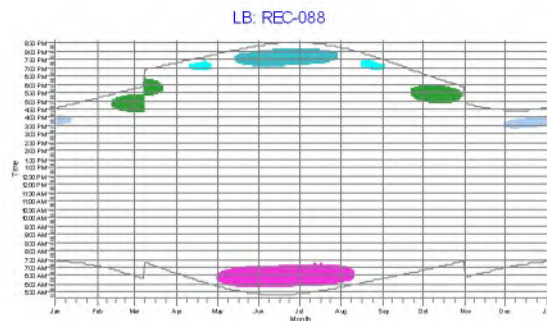
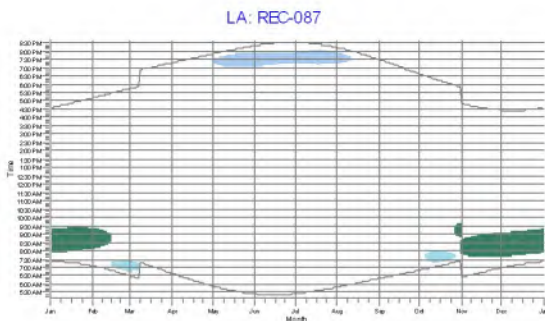
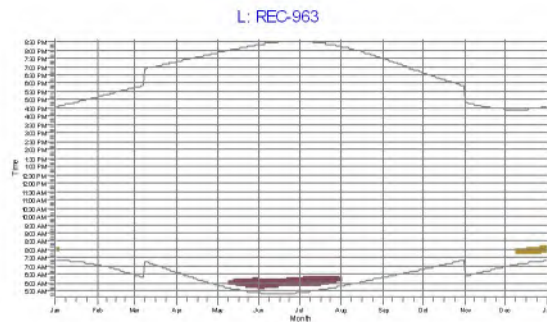
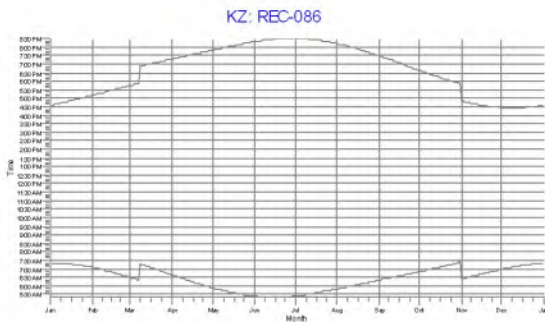
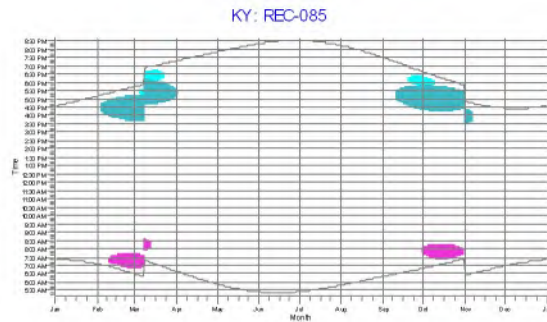
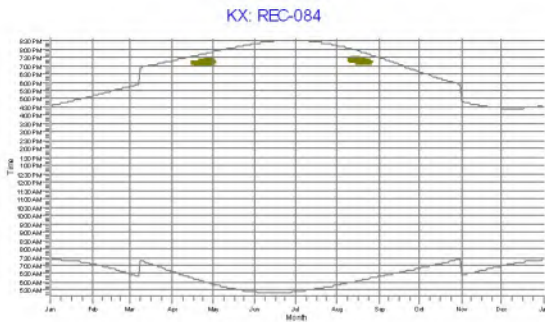
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SHADOW - Calendar, graphical

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WTGs



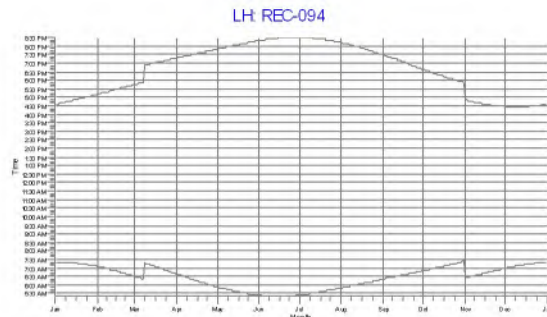
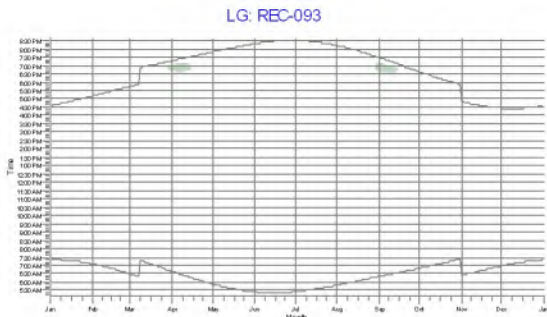
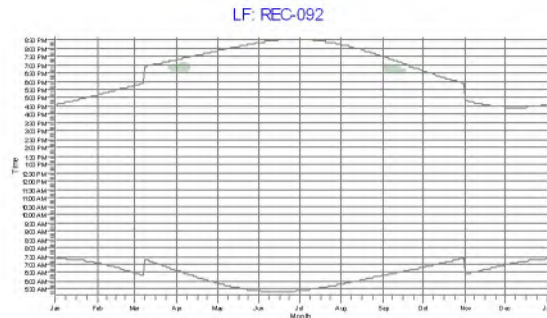
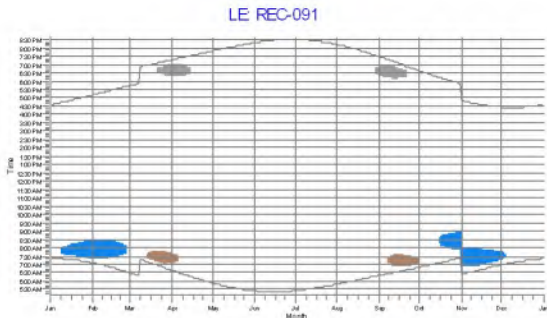
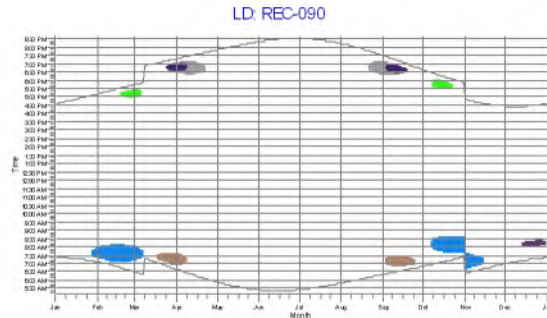
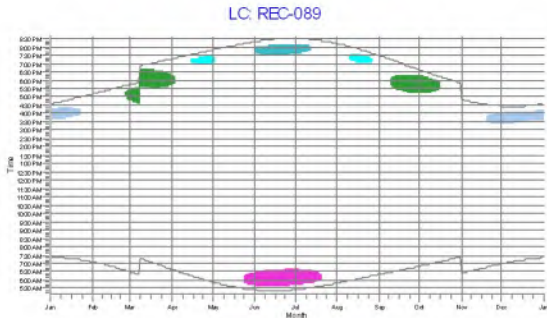
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

13: L24	15: L27	18: L30	20: L32	62: L104	64: L106
14: L26	16: L28	19: L31	31: L47	63: L105	68: L111

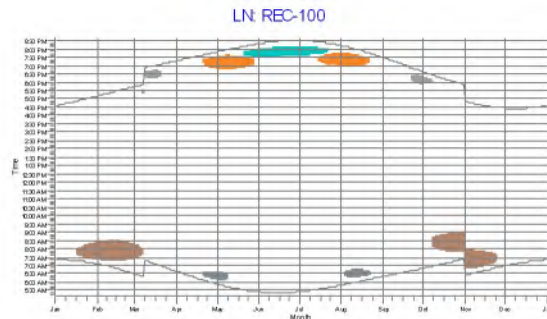
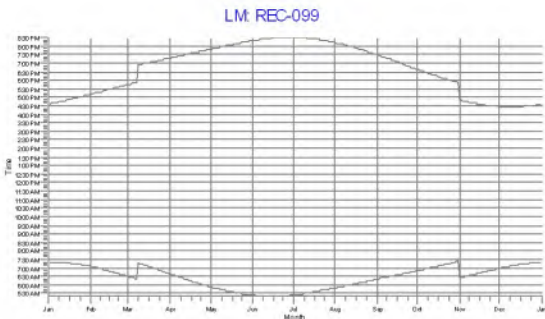
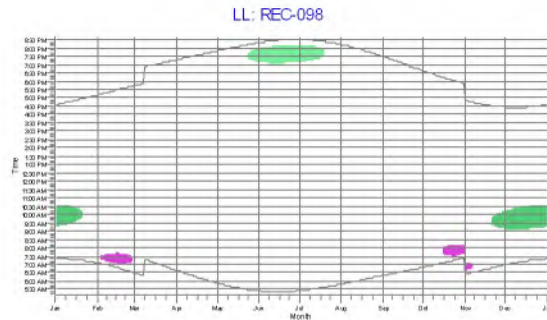
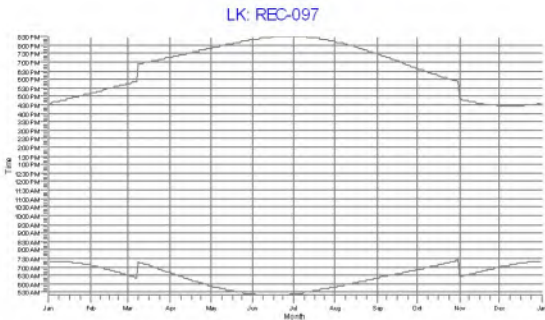
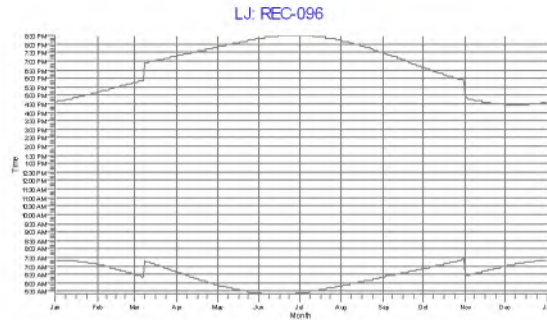
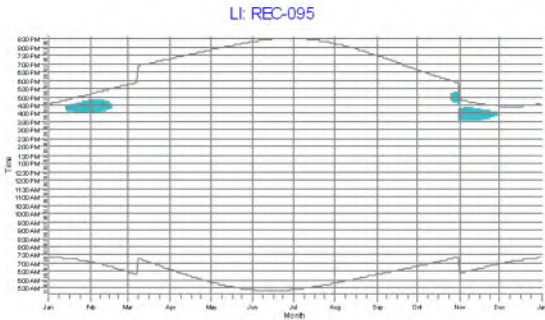
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WTGs



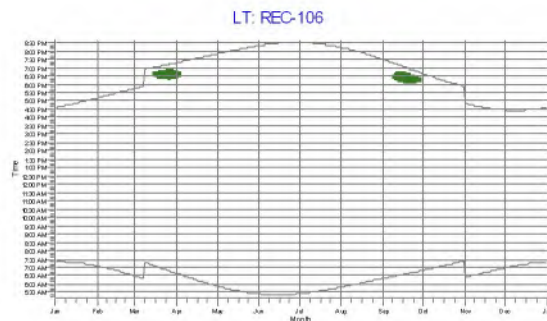
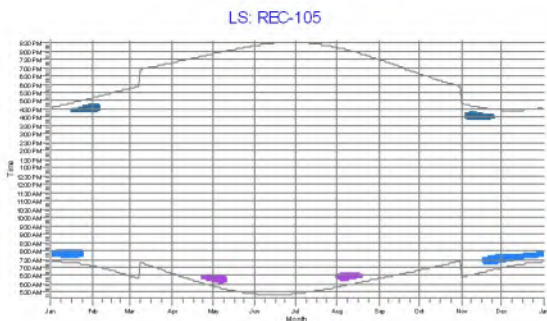
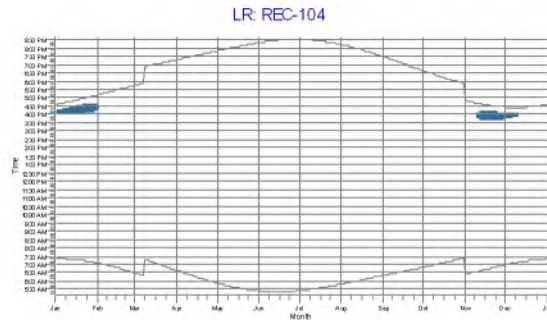
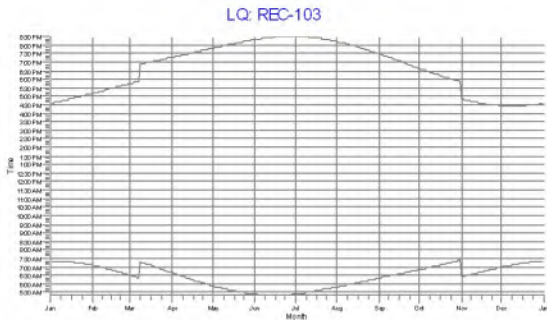
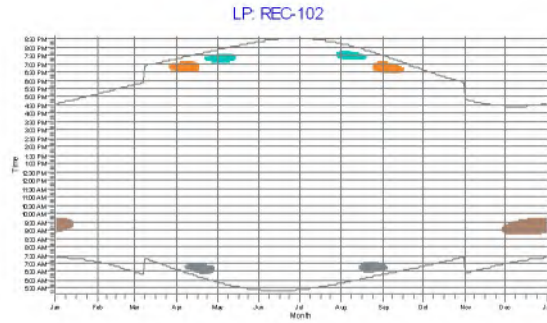
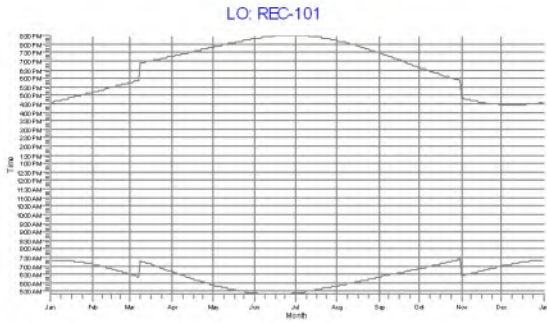
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Calculated:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

- 21: L33
- 22: L34
- 23: L35
- 38: L63
- 39: L64
- 43: L69
- 64: L106
- 65: L107

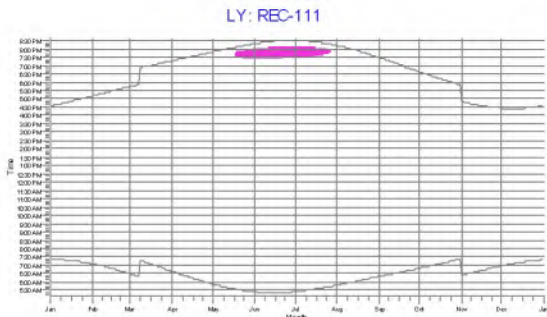
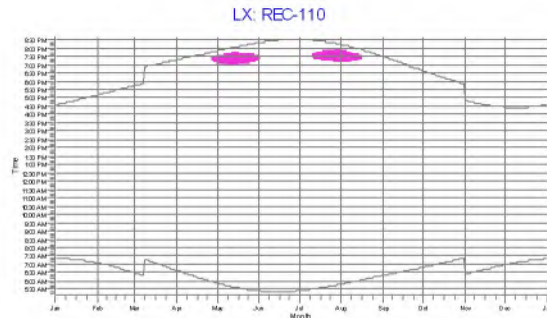
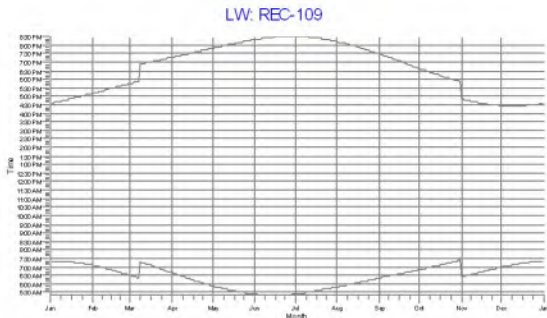
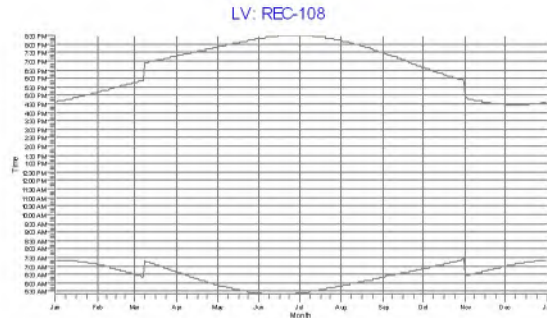
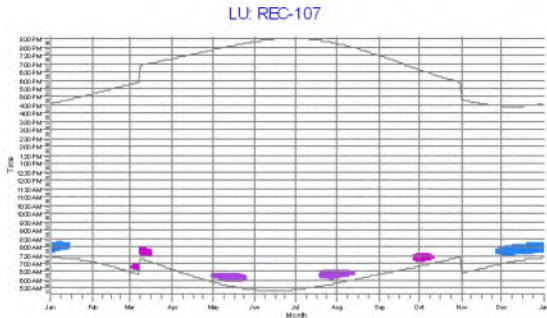
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

31: L47 39: L64 41: L66 43: L69

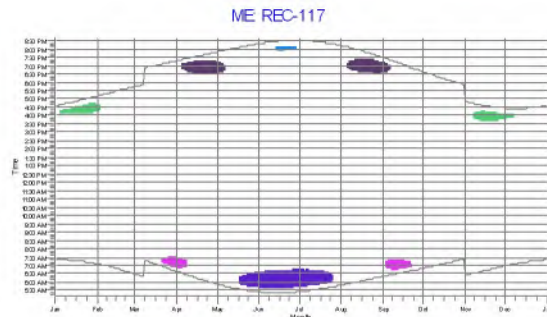
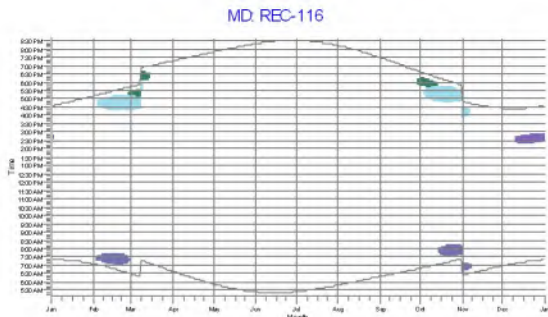
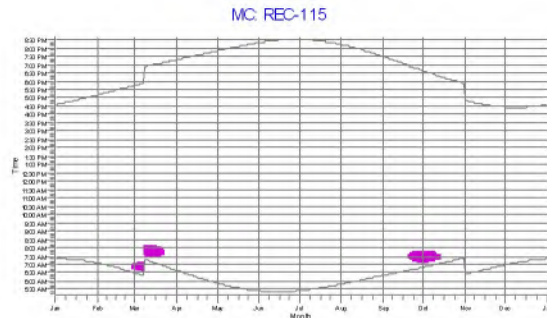
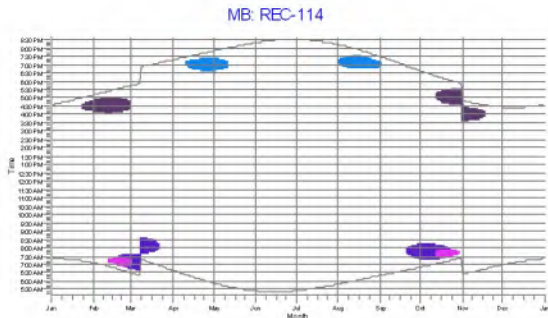
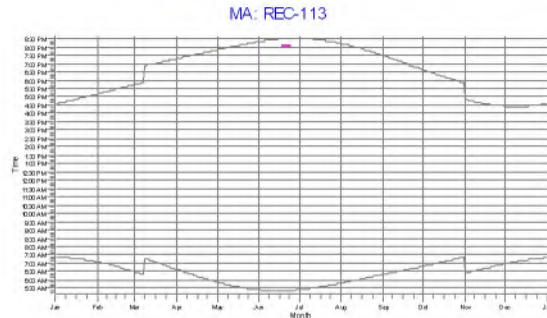
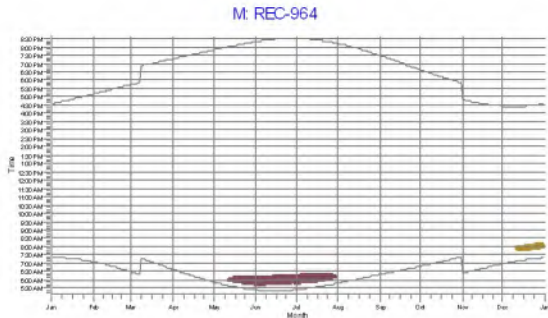
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

- 28: L42
- 31: L47
- 34: L58
- 42: L68
- 62: L104
- 69: L113
- 79: K13
- 29: L43
- 33: L56
- 41: L66
- 47: L74
- 63: L105
- 78: K12

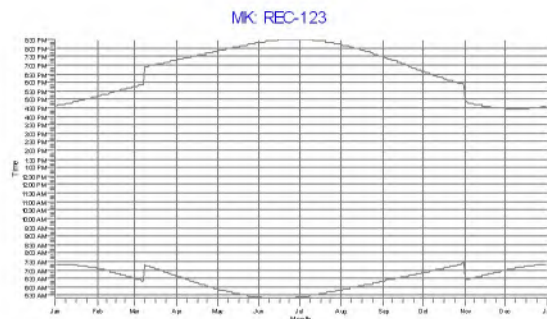
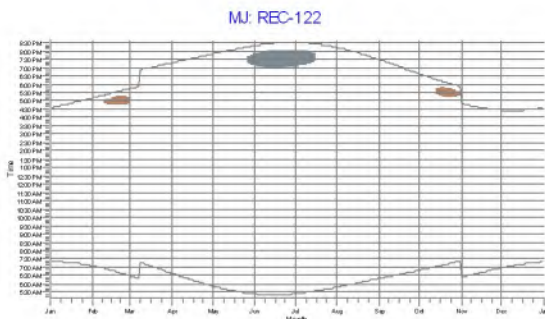
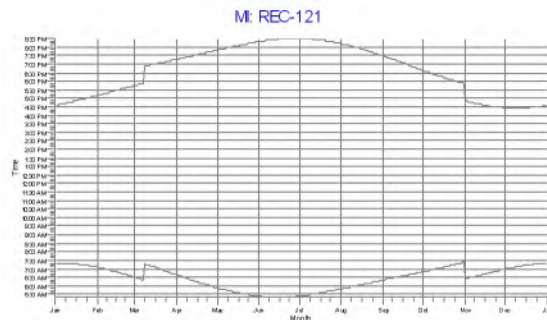
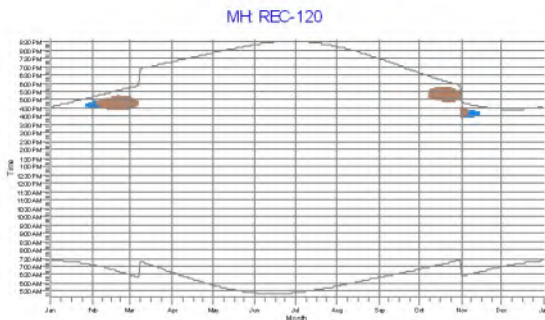
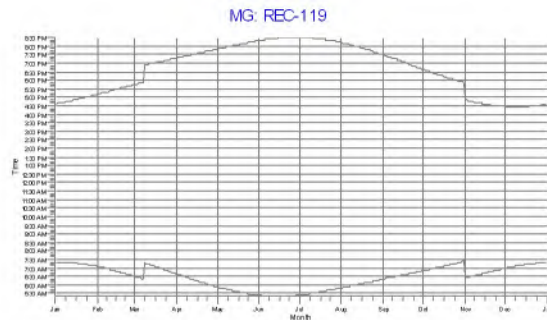
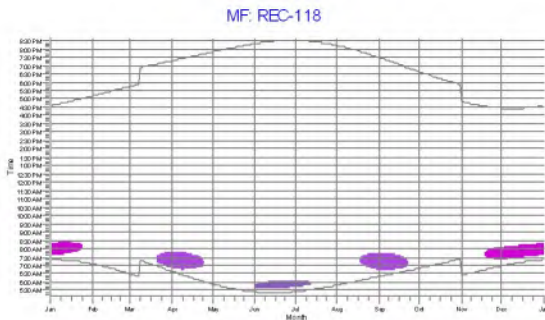
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

38: L63 41: L66 43: L69 45: L71 62: L104 64: L106

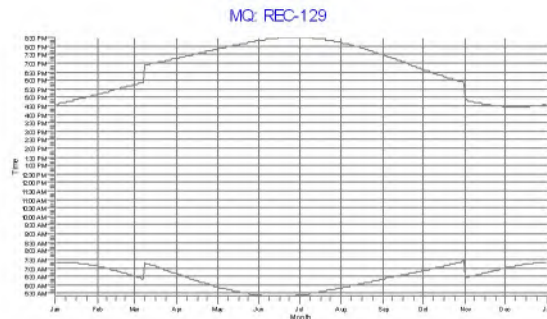
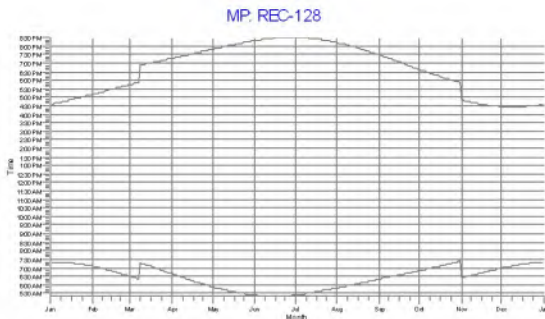
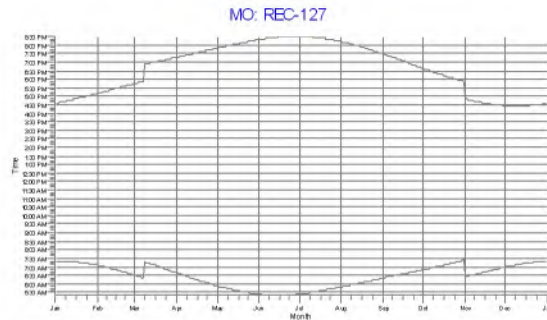
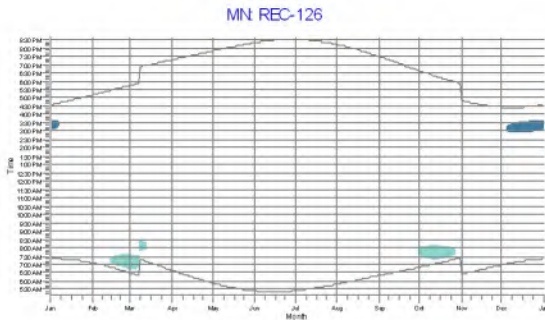
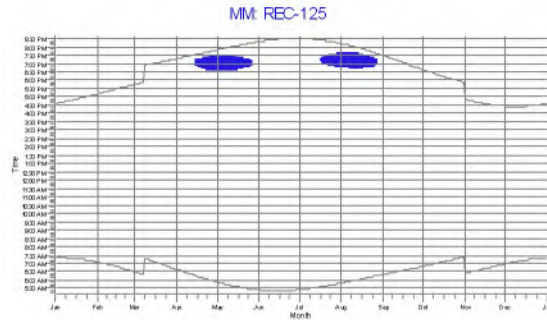
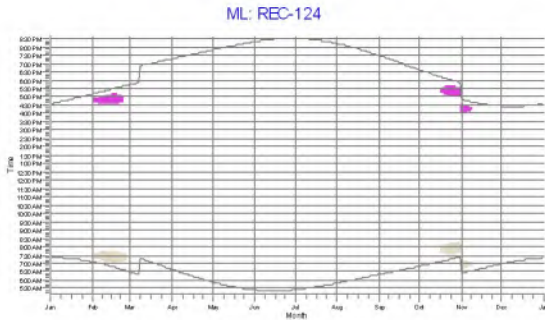
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

35: L60 36: L61 37: L62 48: L76 49: L77

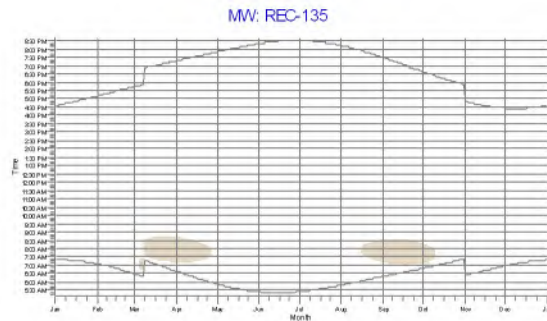
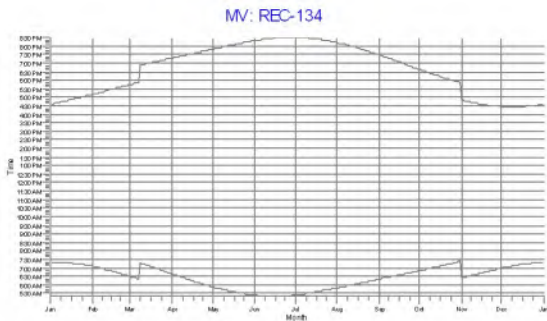
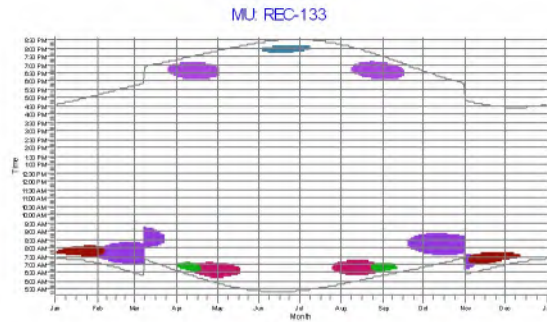
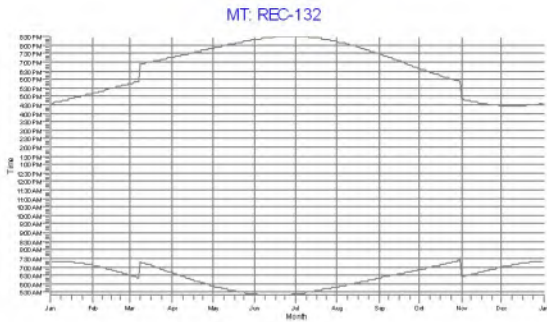
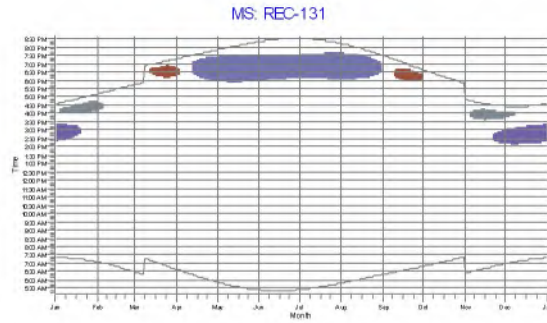
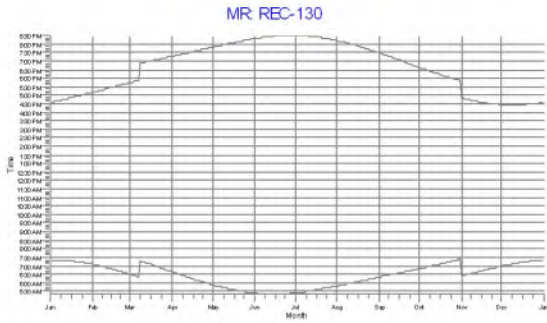
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

- 37: L62
- 38: L63
- 40: L65
- 43: L69
- 44: L70
- 46: L73
- 49: L77
- 50: L79
- 51: L80
- 54: L86
- 69: L113

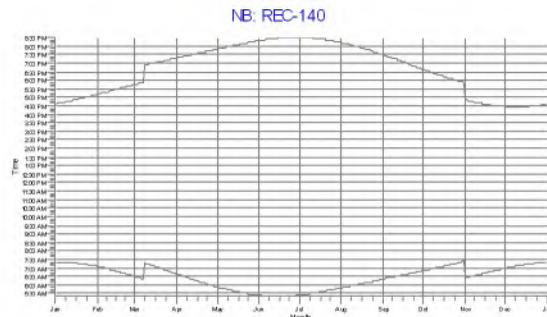
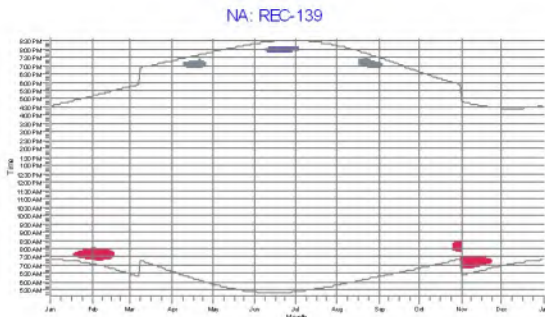
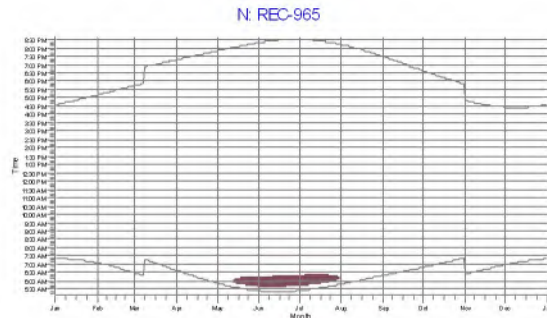
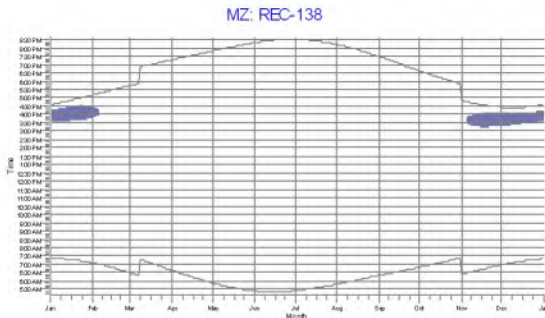
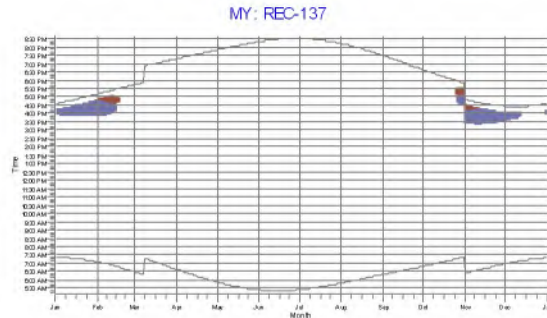
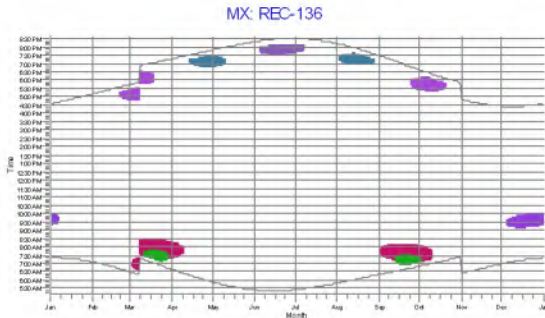
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

37: L62	40: L65	44: L70	46: L73	53: L82	69: L113
38: L63	43: L69	45: L71	50: L79	54: L86	79: K13

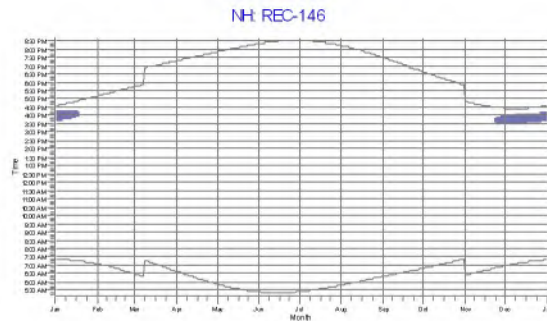
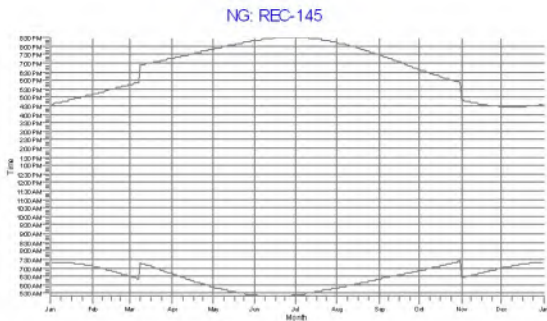
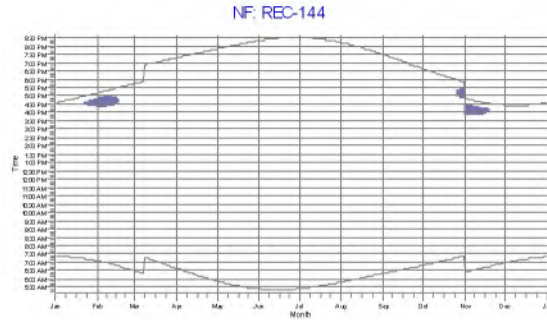
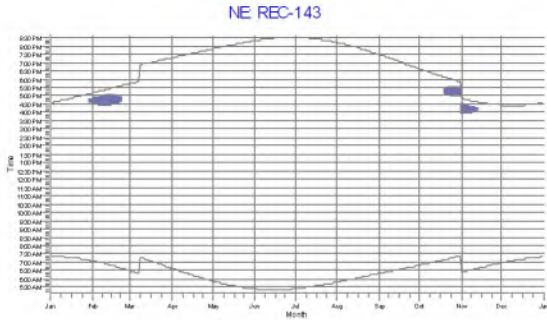
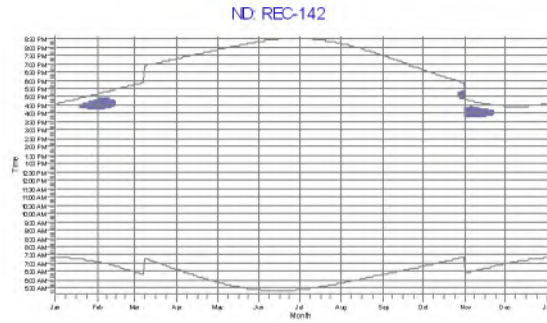
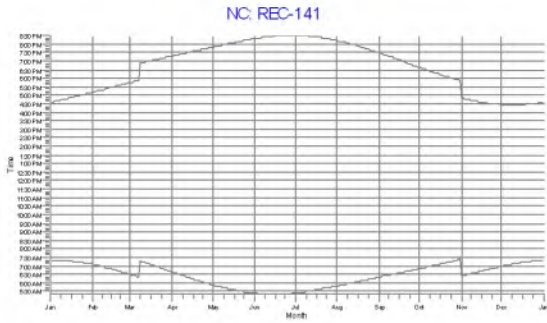
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
69: L113

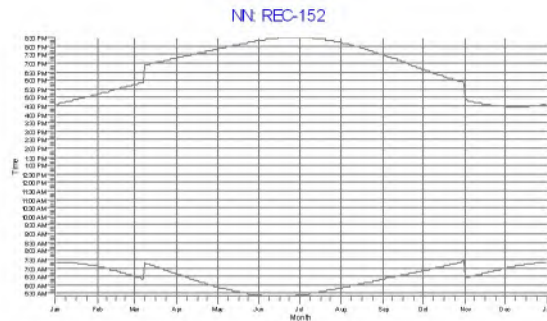
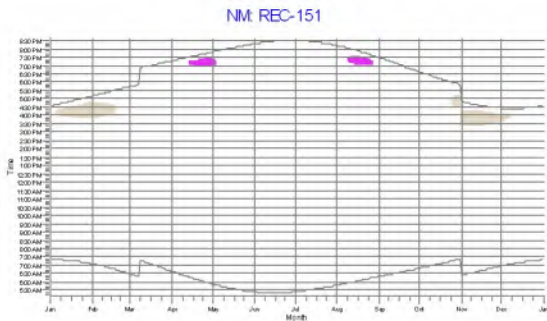
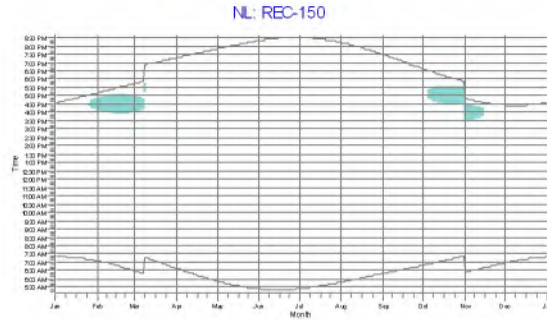
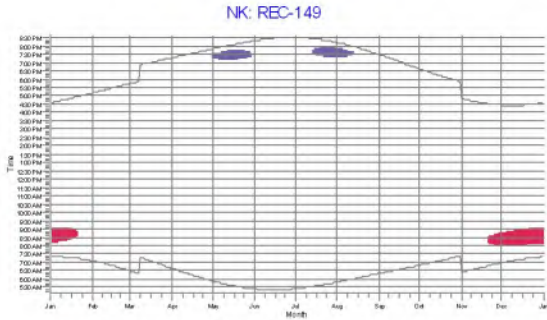
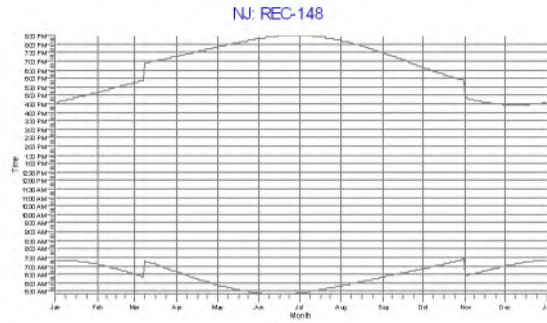
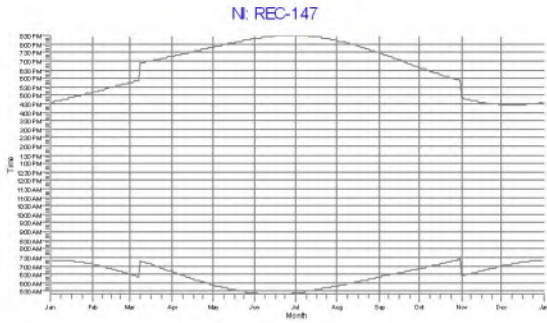
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

44: L70 47: L74 48: L76 49: L77 53: L82

Project:

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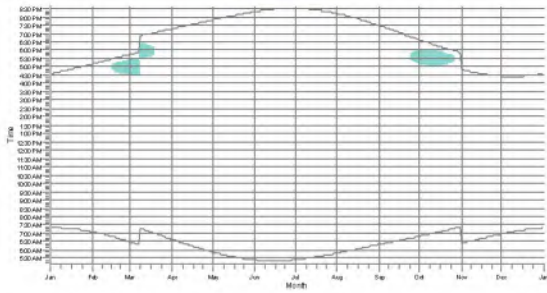
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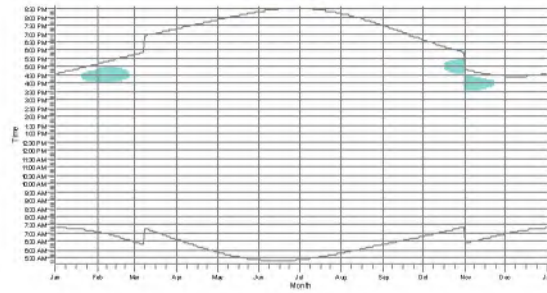
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

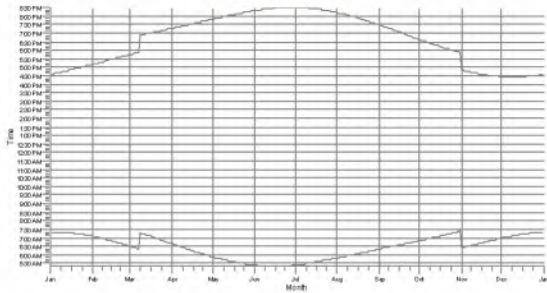
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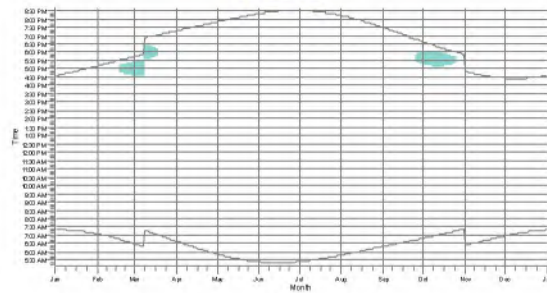
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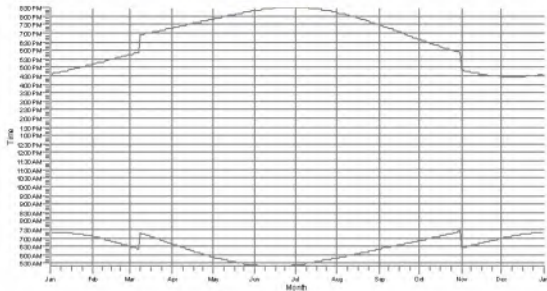
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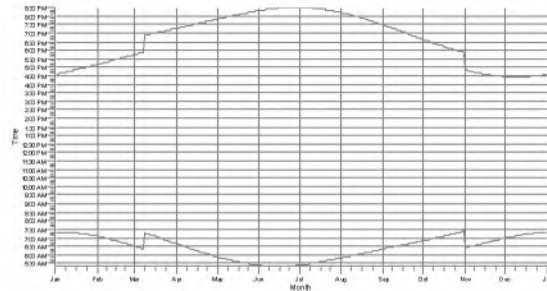
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NS. REC-157



NT. REC-158



WTGs

48: L76

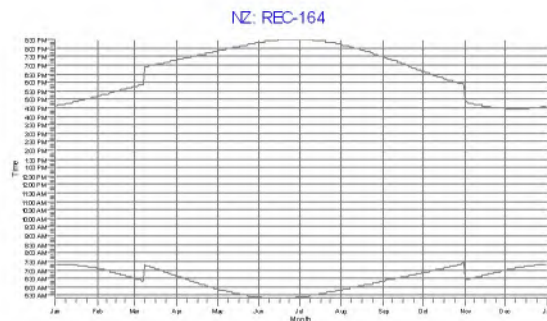
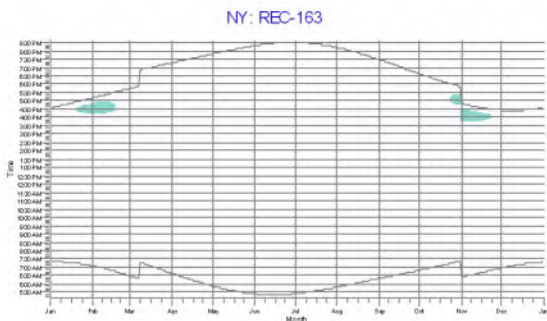
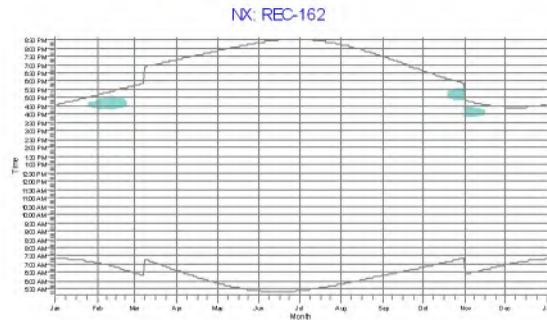
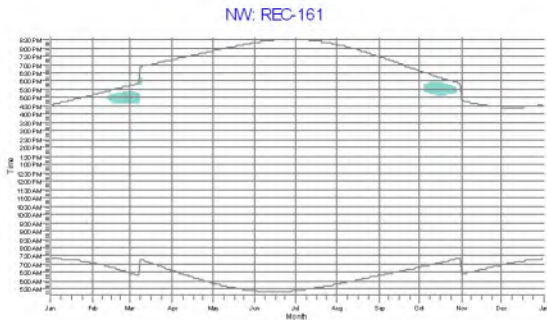
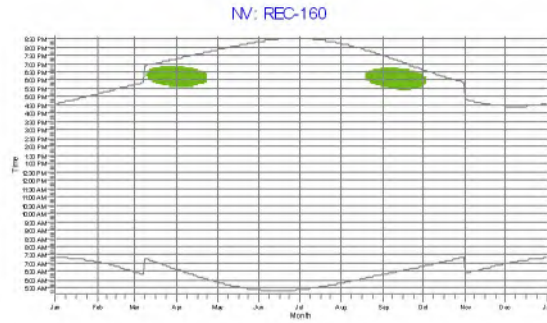
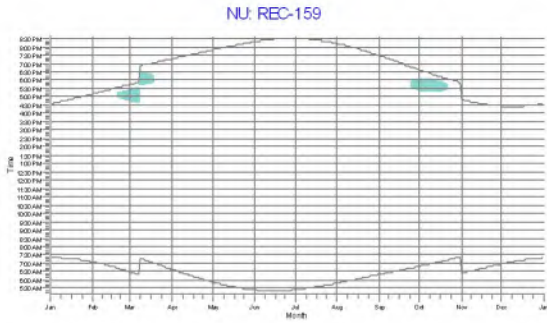
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

48: L76 52: L81

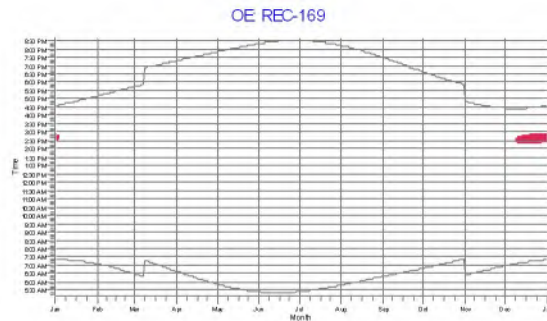
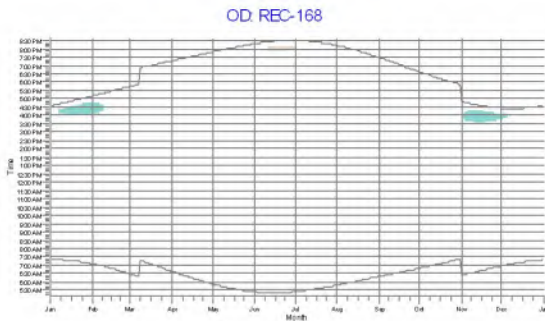
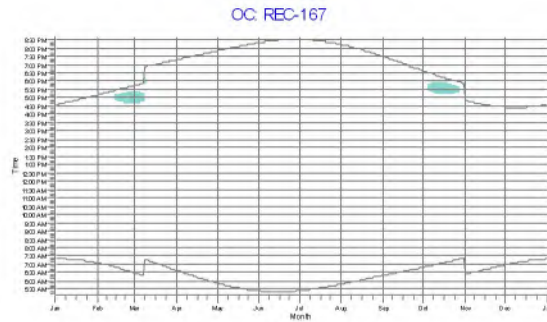
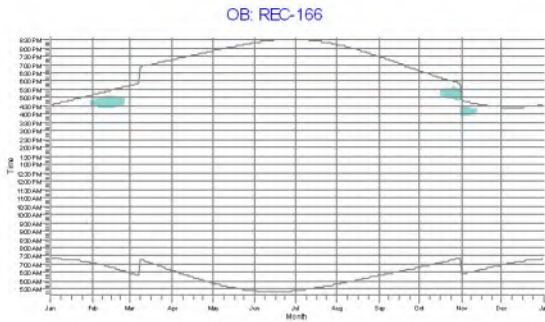
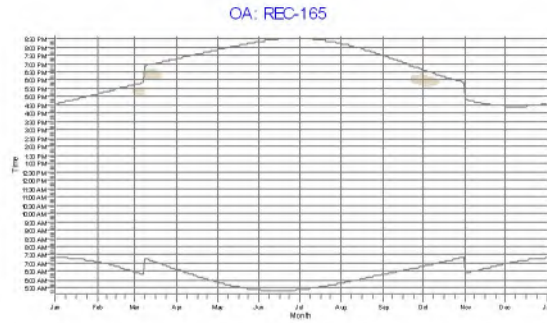
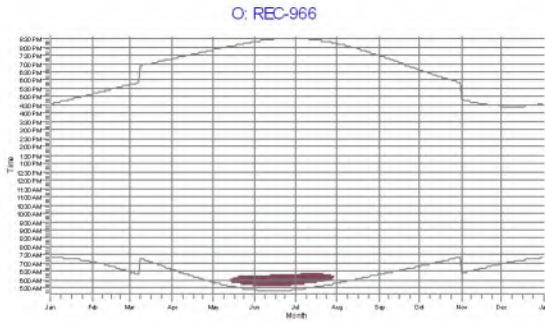
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Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

48: L76 49: L77 53: L82 79: K13

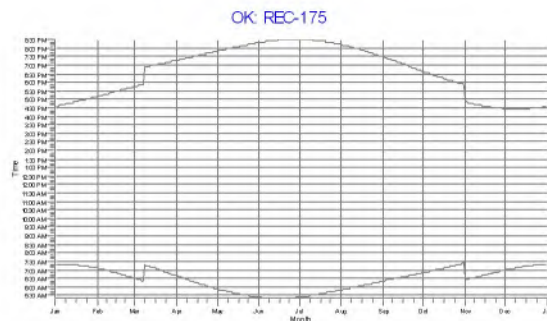
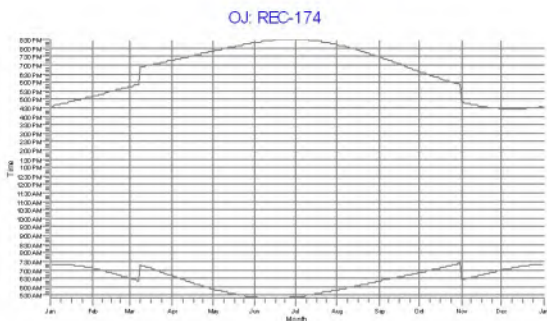
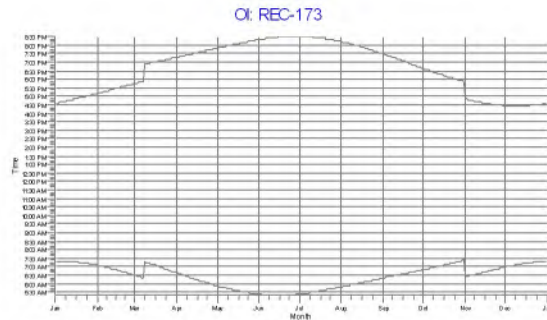
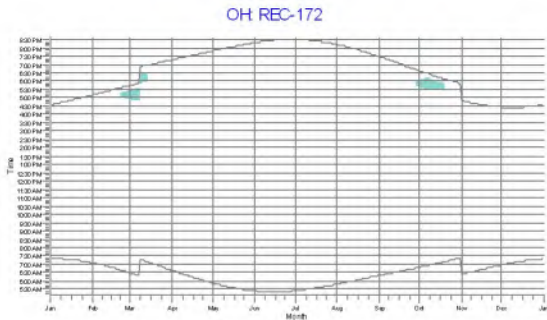
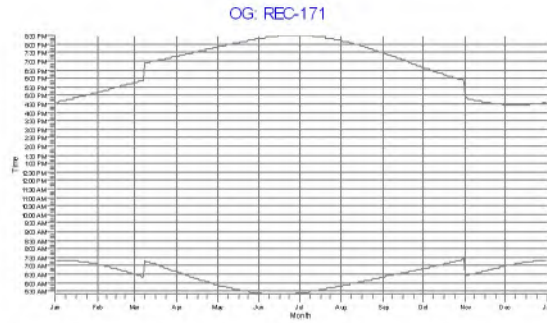
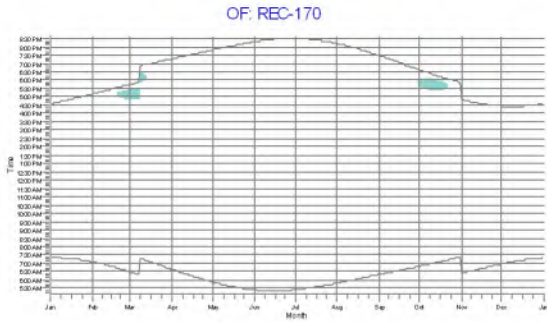
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
48: L76

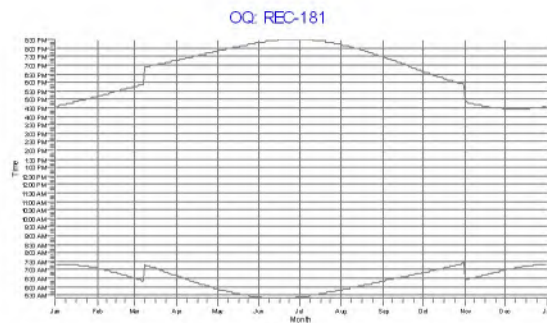
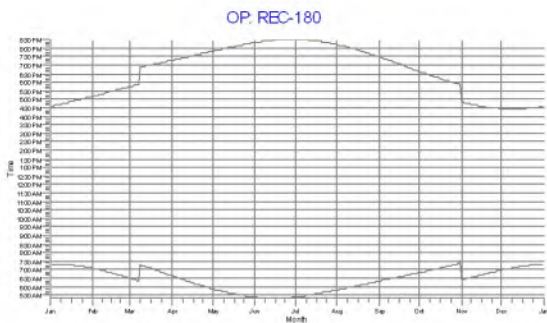
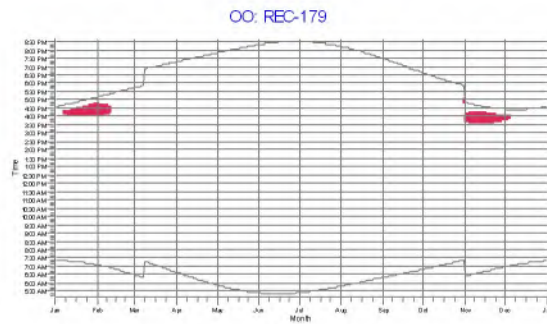
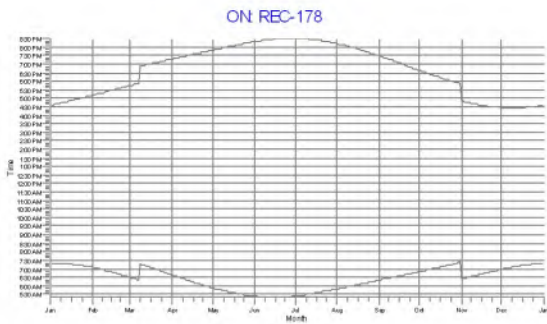
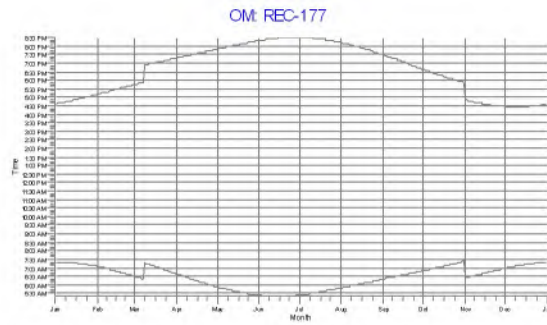
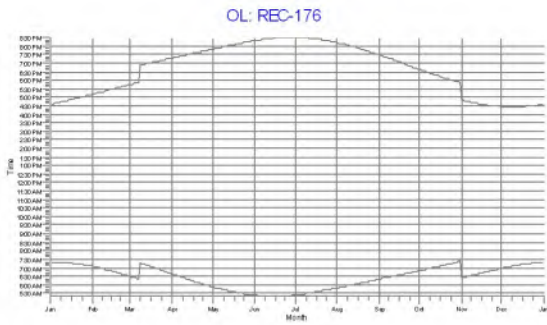
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SHADOW - Calendar, graphical

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WTGs
53: L82

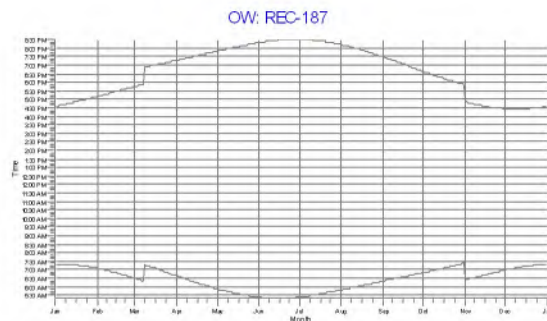
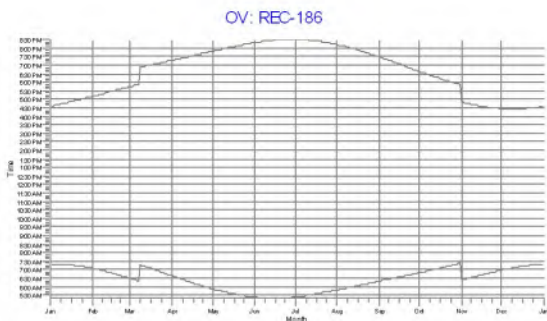
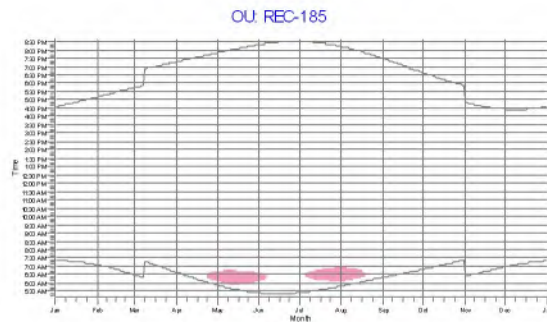
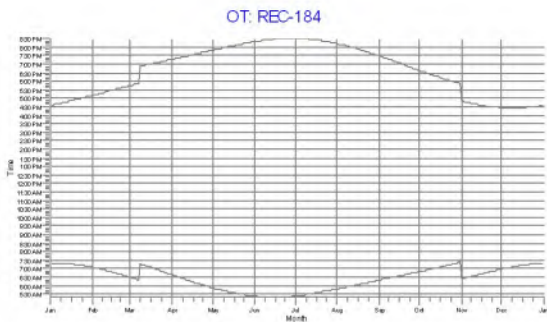
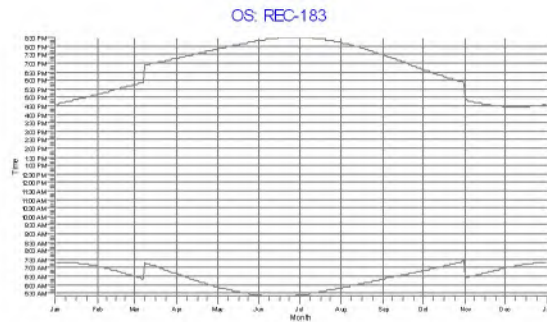
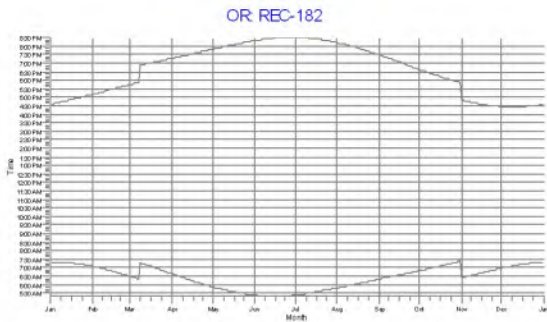
Project:
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SHADOW - Calendar, graphical

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WTGs
59: L97

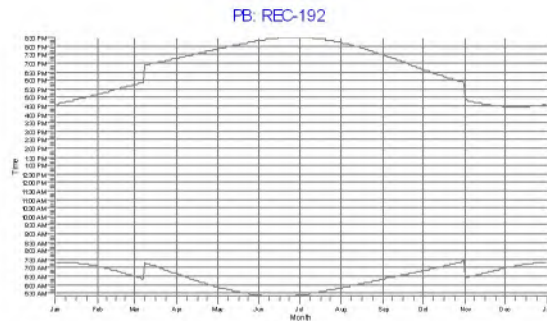
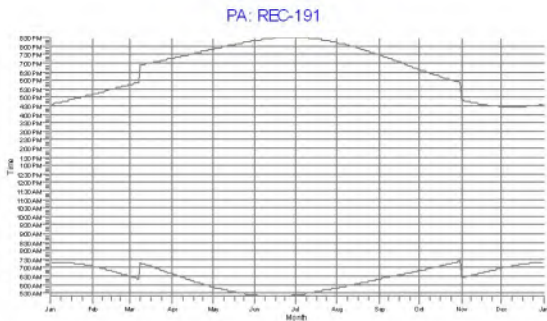
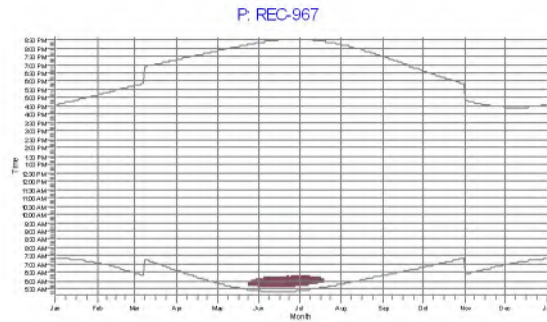
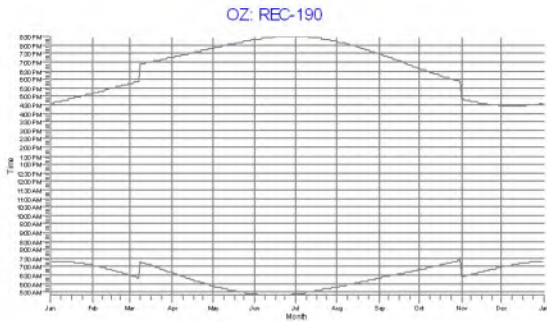
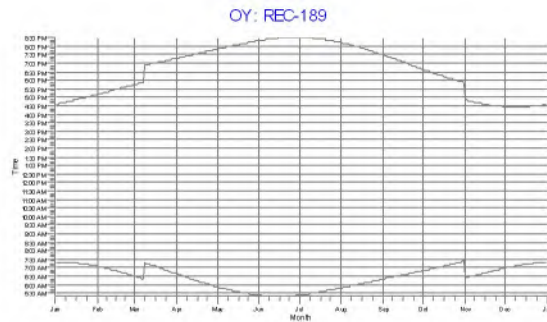
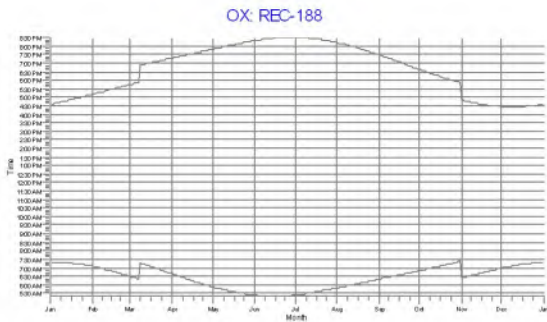
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

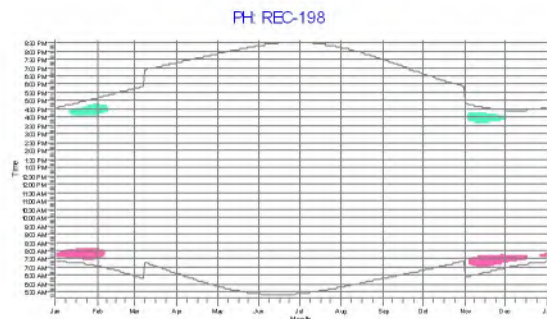
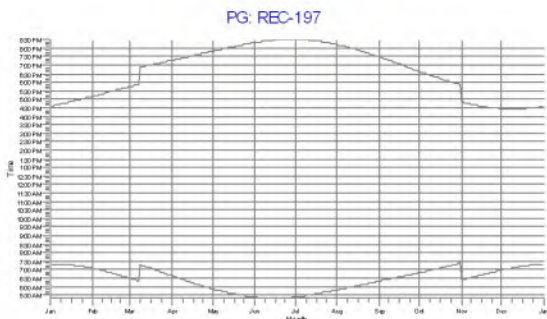
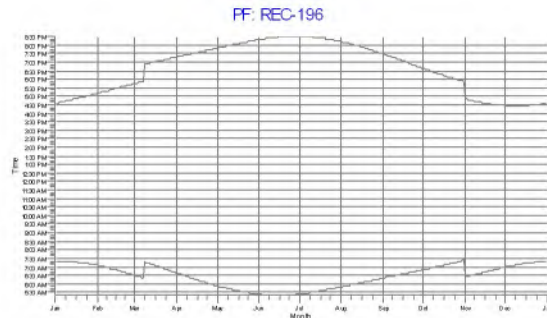
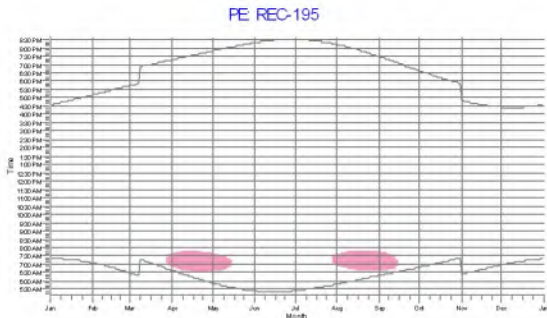
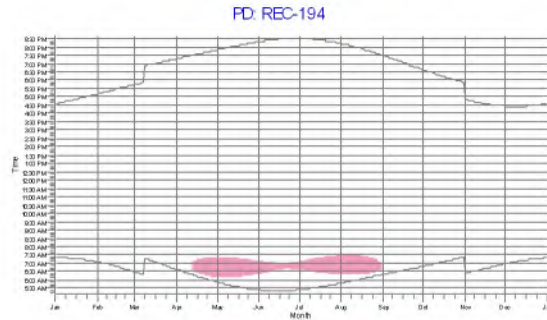
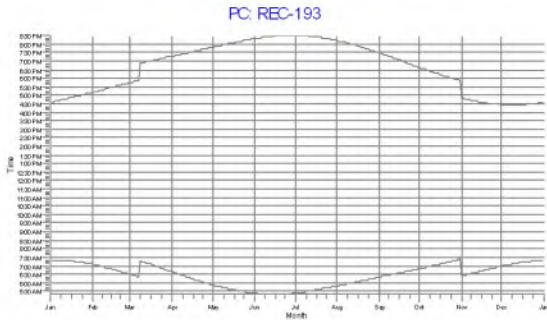
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 56: L89 ■ 59: L97 ■ 60: L98

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

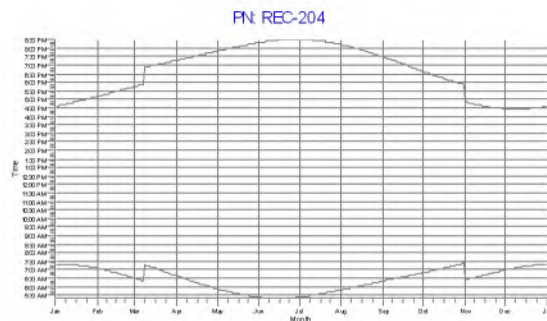
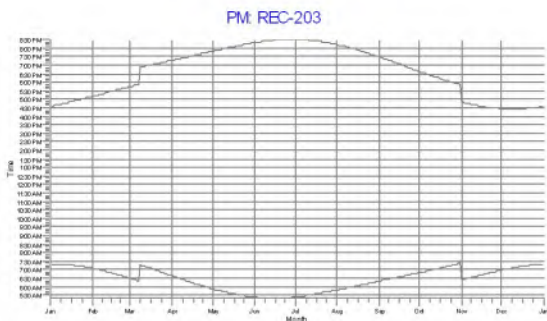
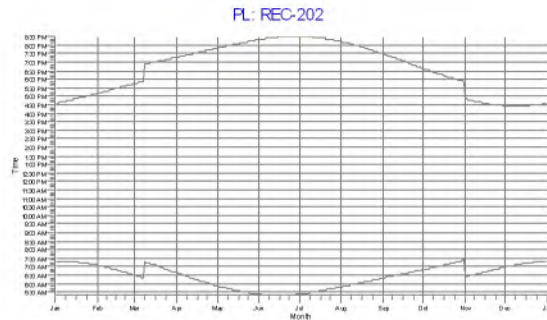
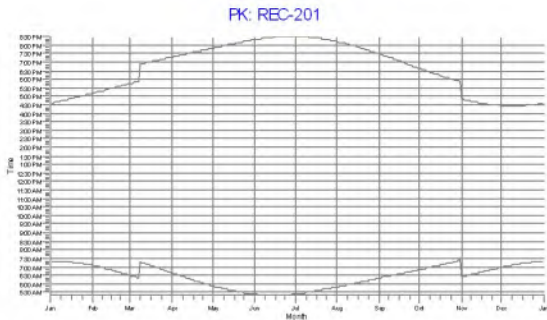
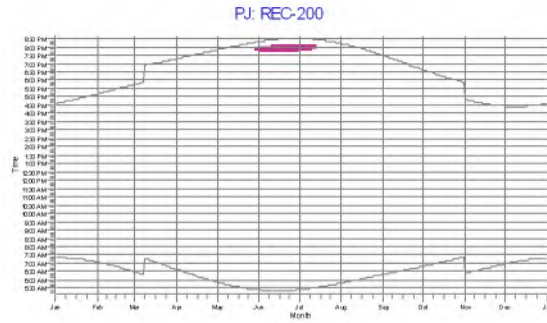
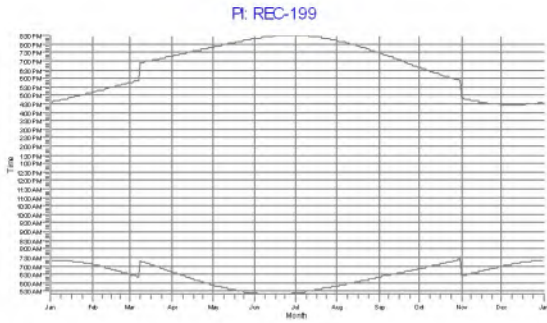
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

57: L91

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

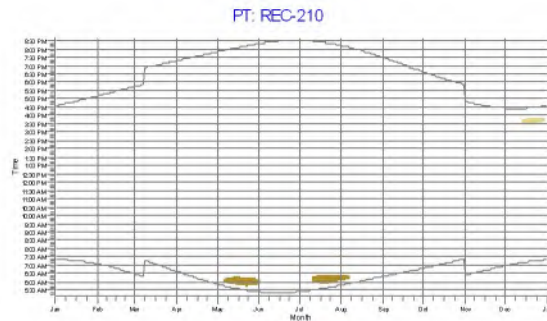
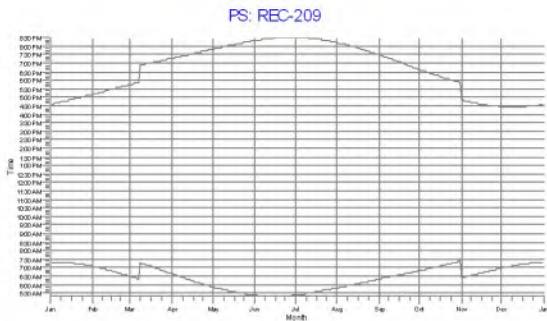
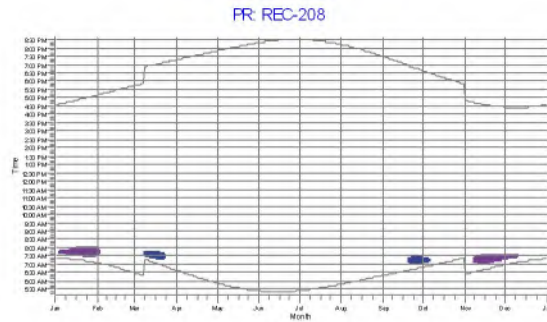
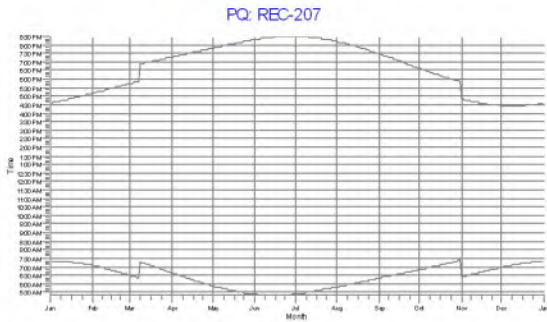
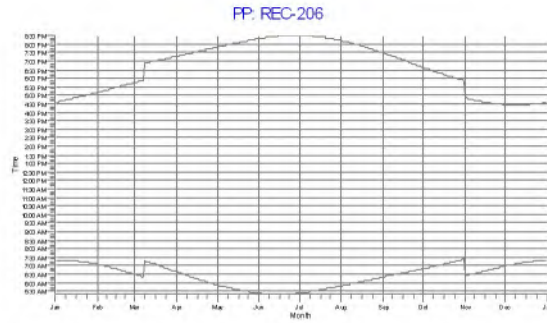
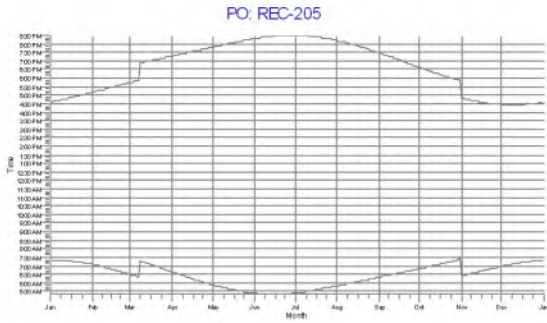
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

58: L95
 75: K8
 78: K12
 130: K502

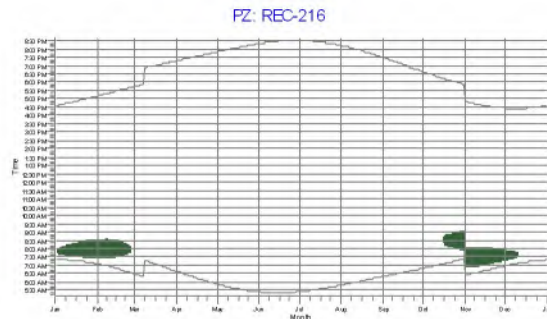
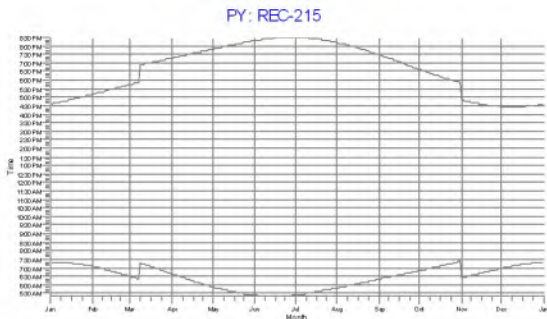
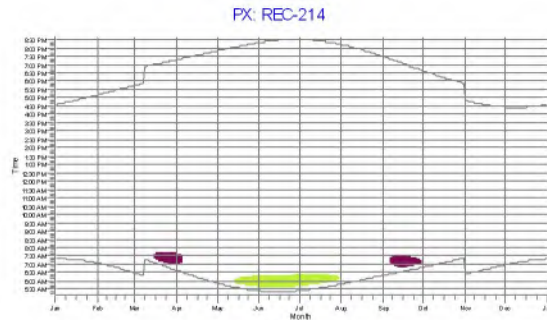
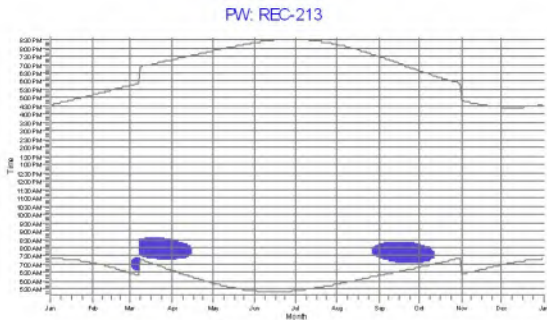
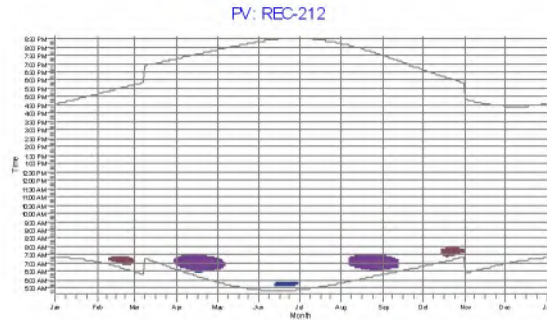
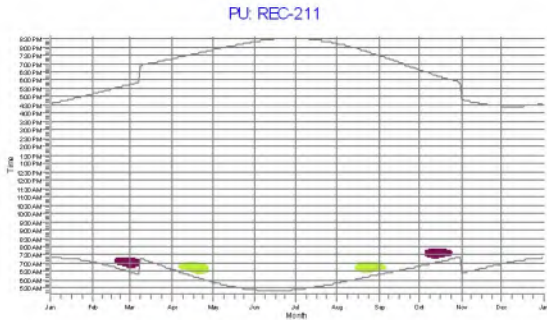
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs



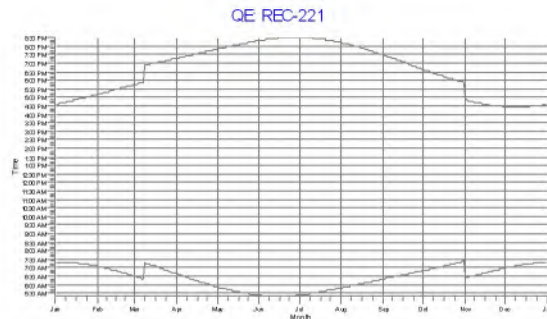
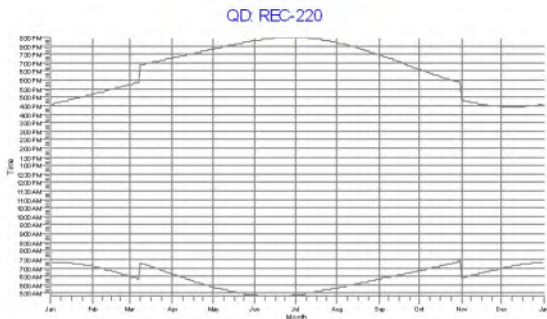
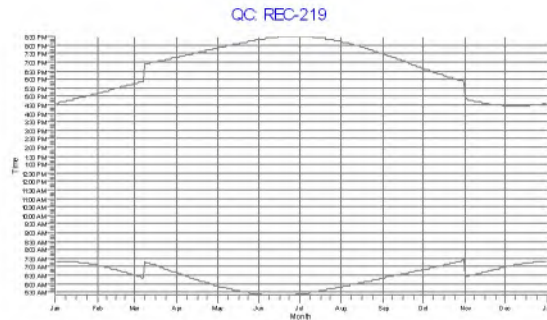
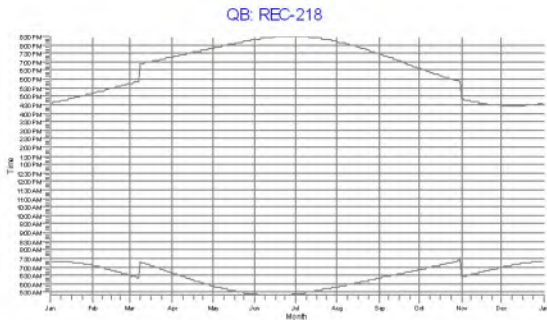
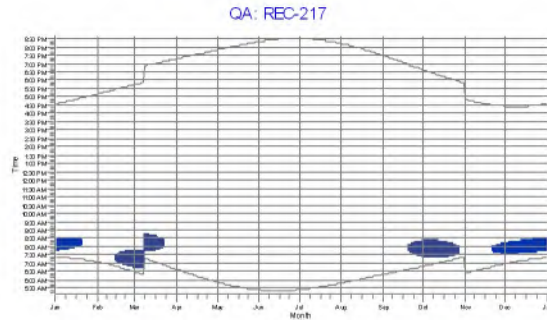
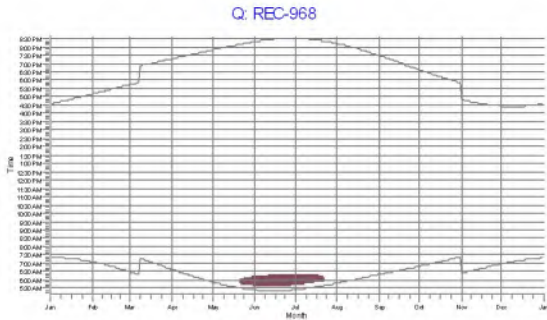
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SHADOW - Calendar, graphical

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WTGs

75: K8 77: K11 79: K13

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

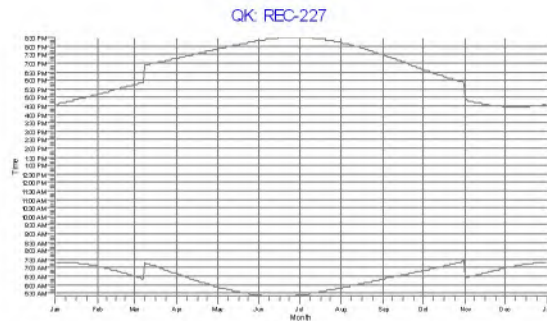
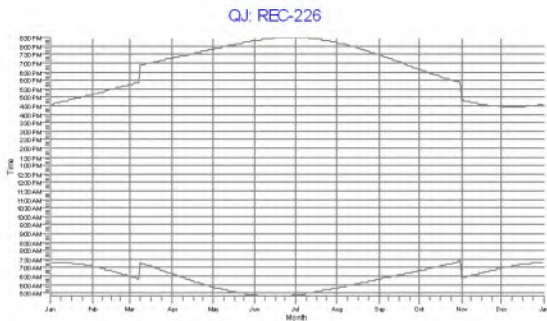
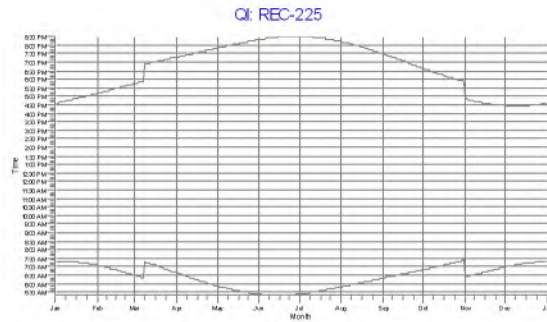
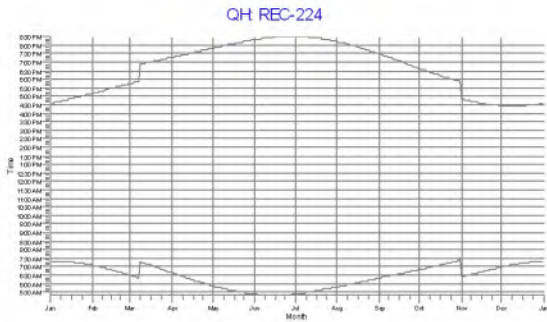
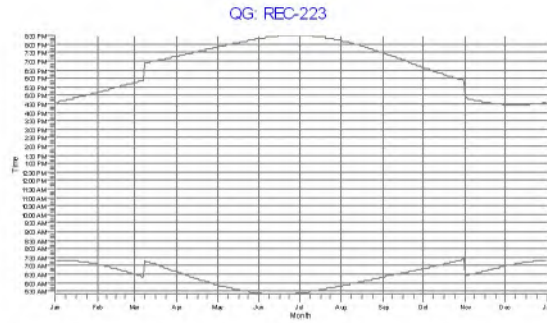
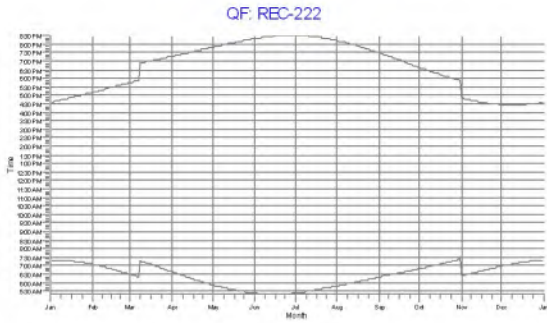
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SHADOW - Calendar, graphical

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WTGs

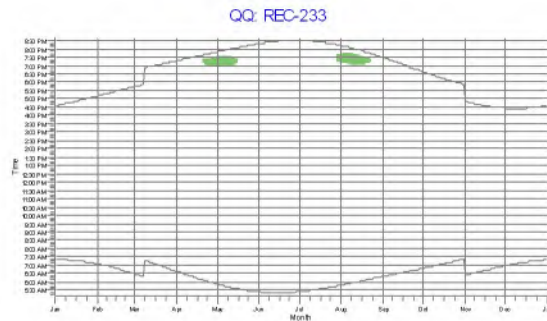
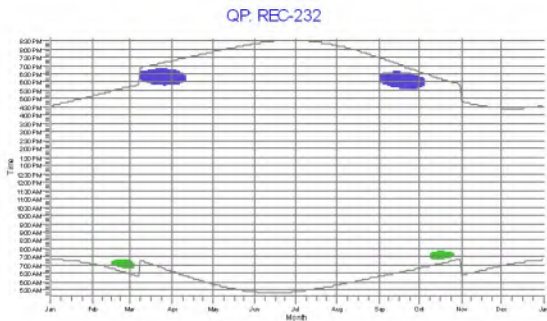
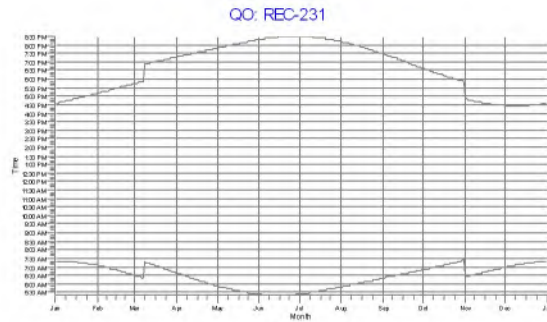
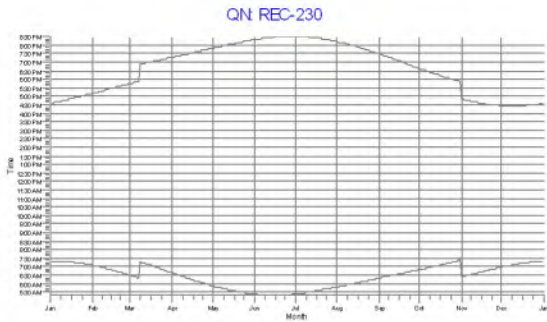
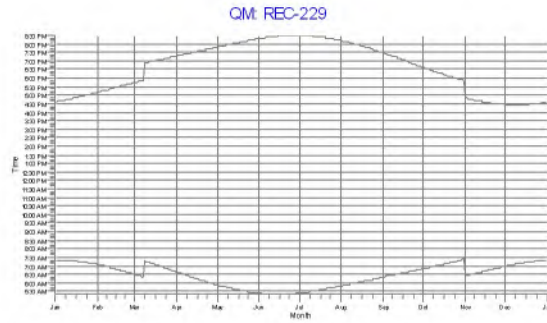
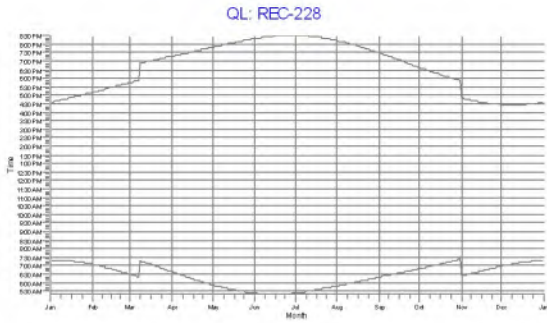
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SHADOW - Calendar, graphical

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WTGs

72: K3 131: K18 136: K206

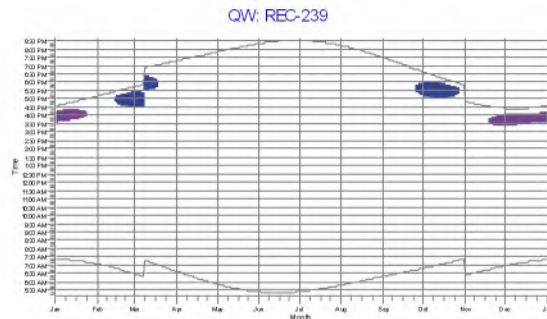
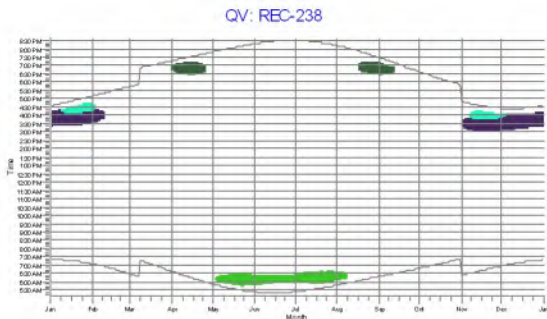
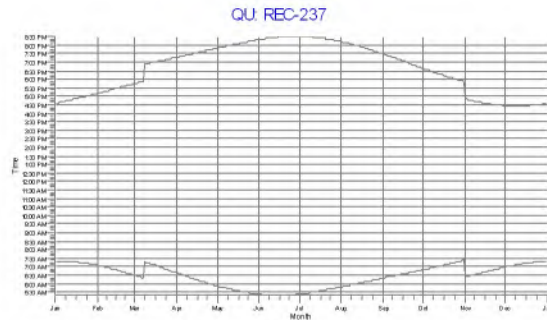
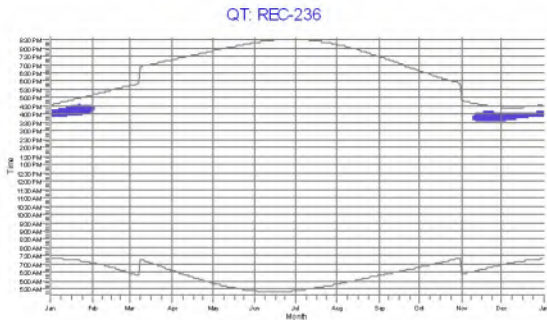
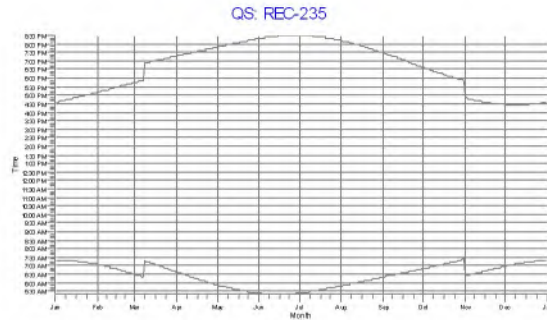
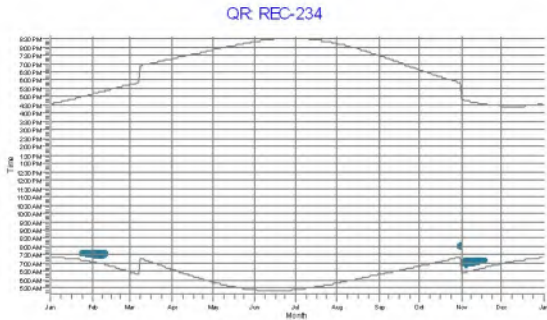
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

73: K6 74: K7 75: K8 104: K82 109: K89 130: K502 131: K18 136: K206

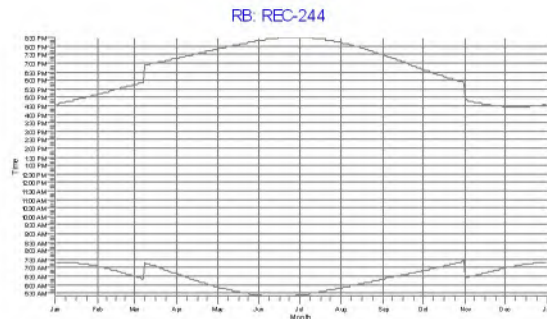
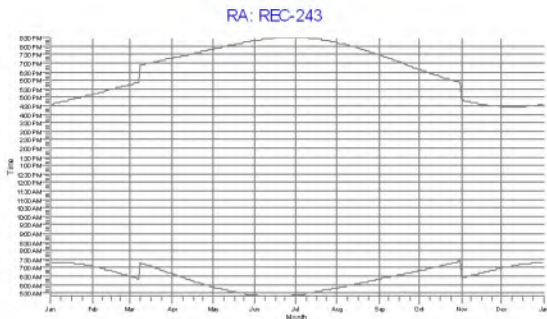
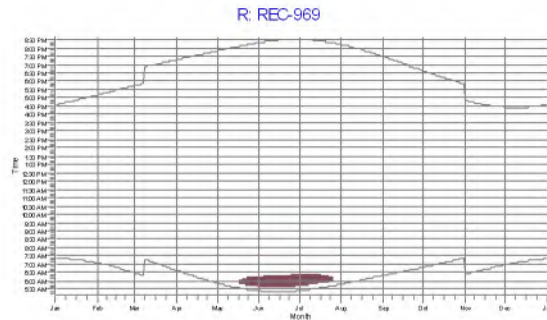
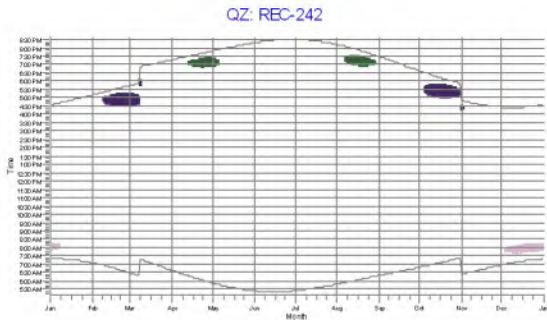
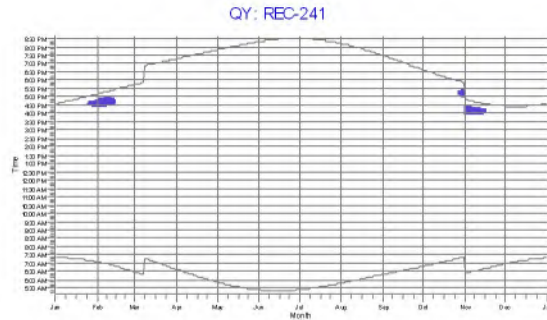
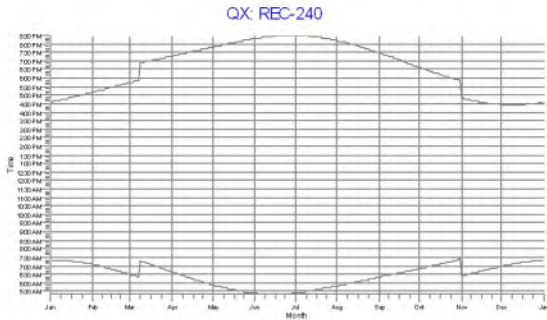
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

73: K6 74: K7 79: K13 80: K20 136: K206

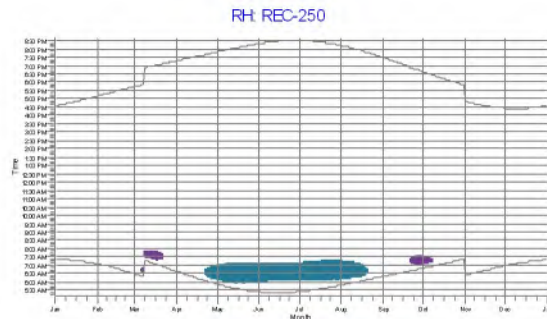
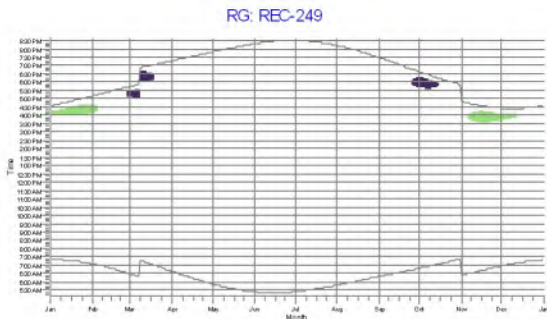
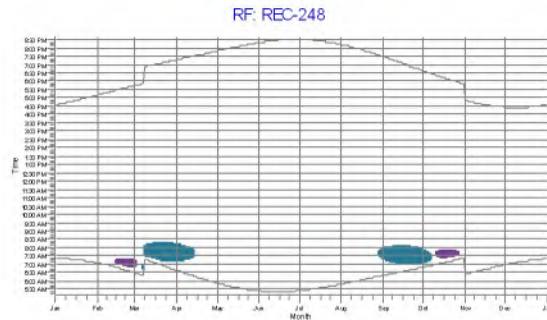
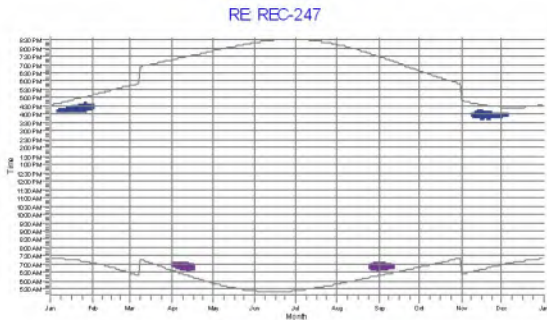
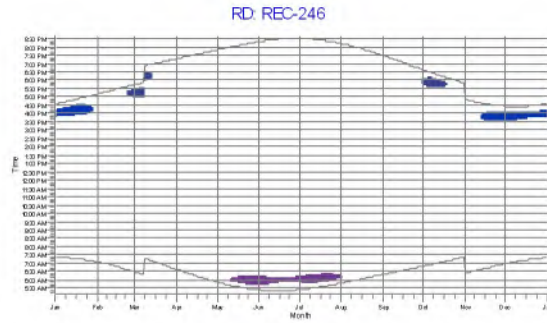
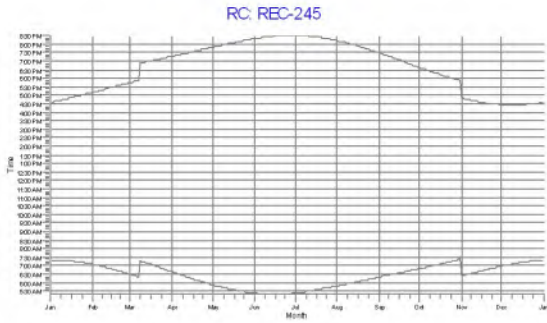
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

74: K7 75: K8 76: K9 77: K11 81: K23 109: K89

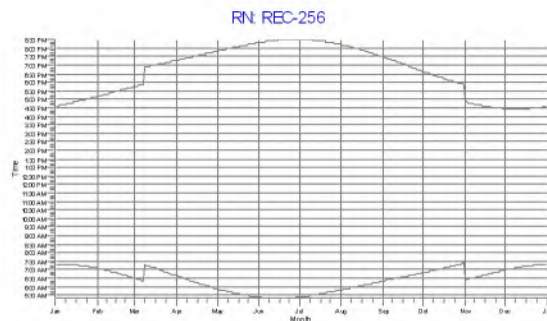
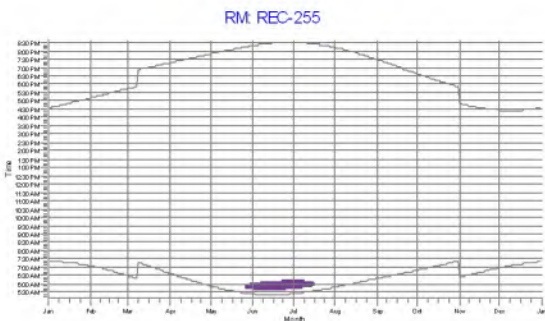
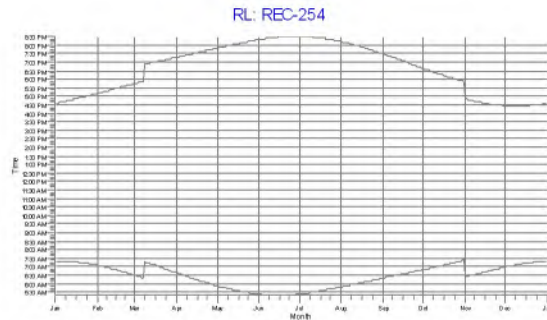
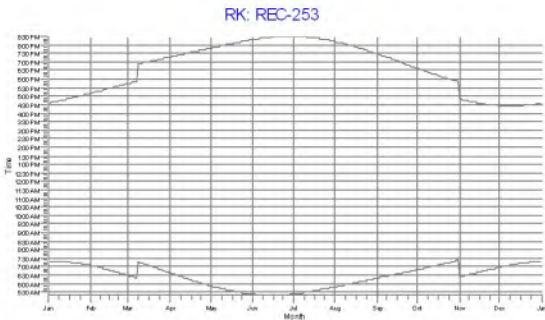
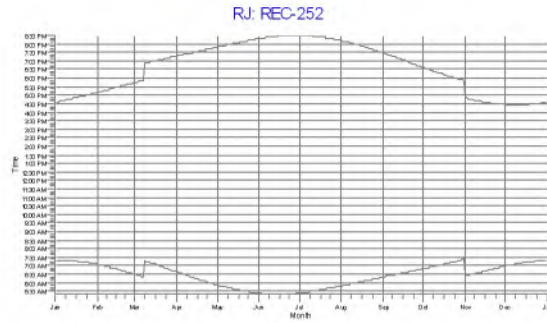
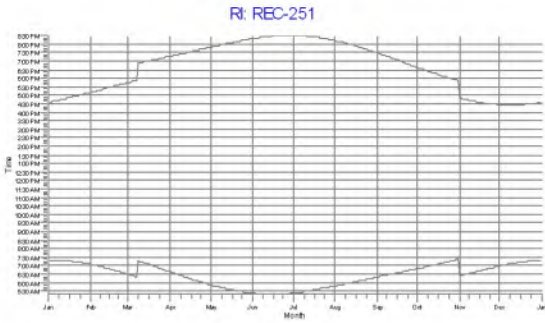
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
81: K23

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

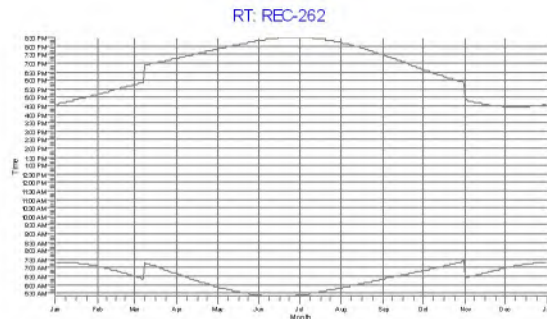
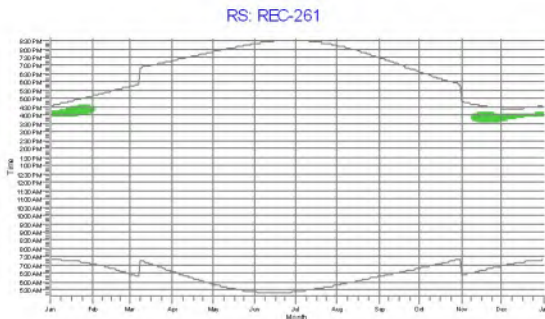
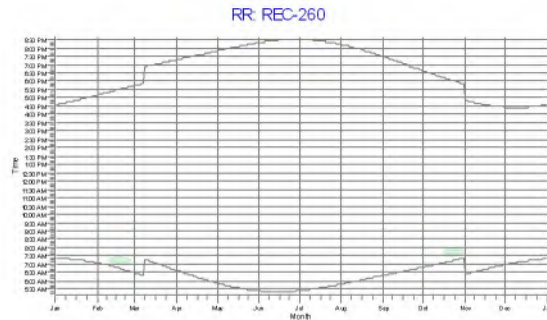
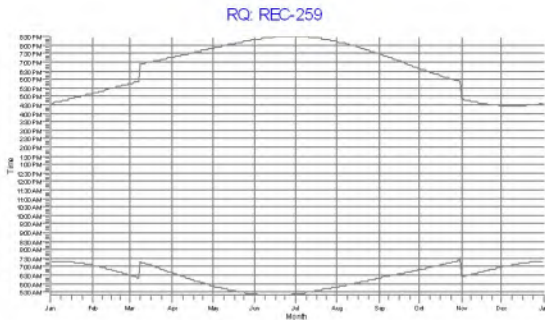
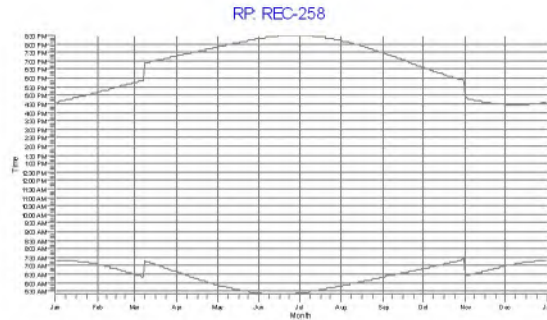
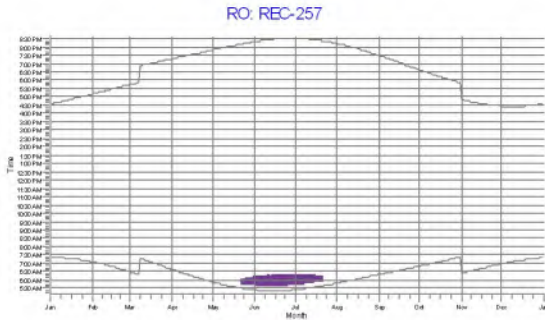
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

81: K23
 108: K86
 125: K28

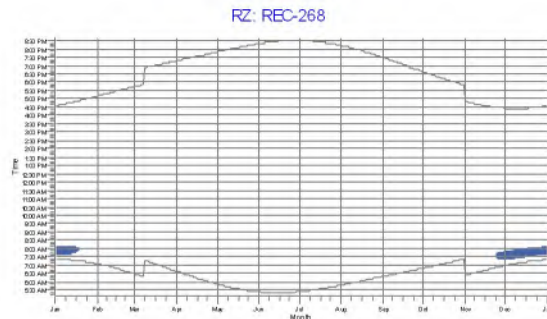
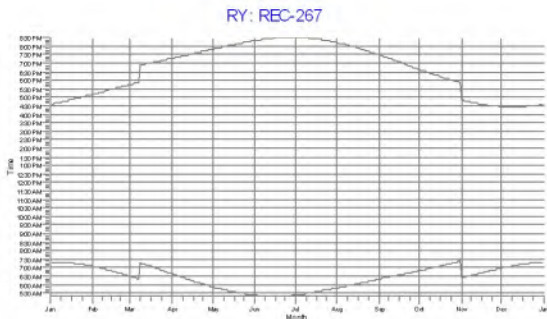
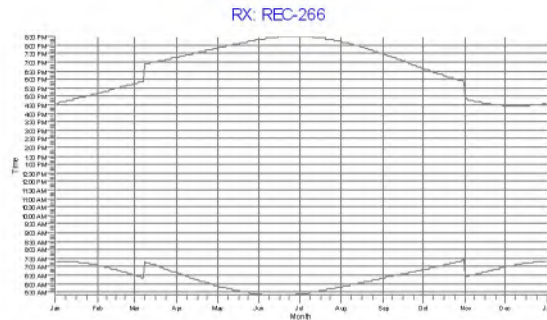
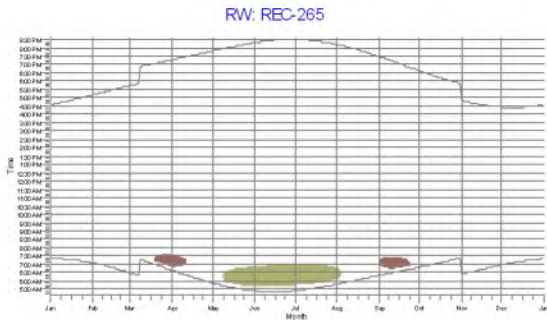
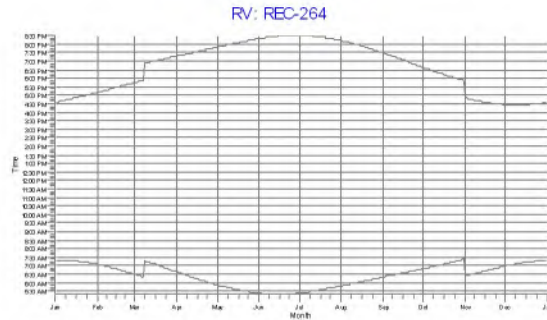
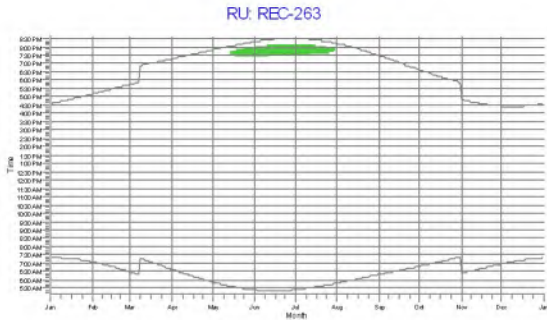
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

83: K29 108: K86 110: K90 129: K500

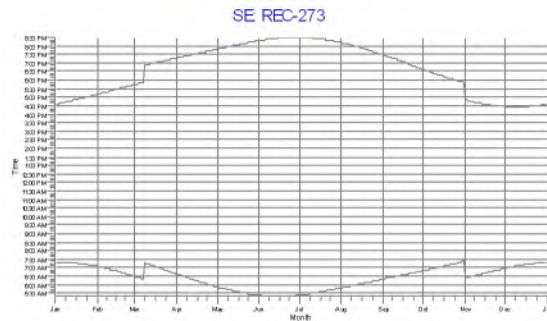
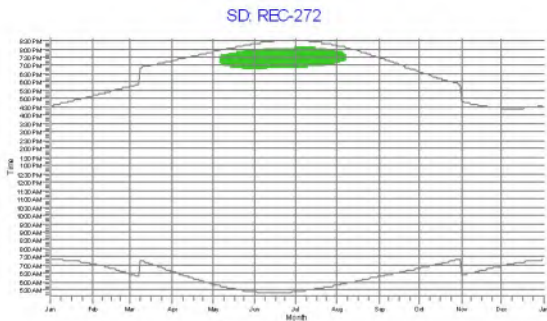
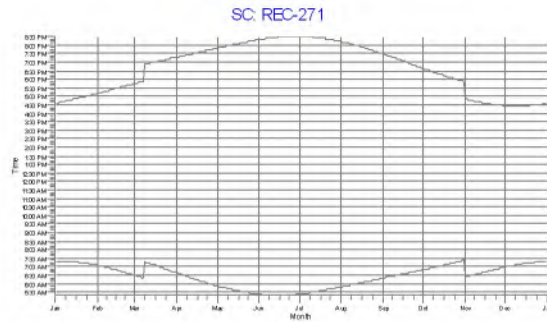
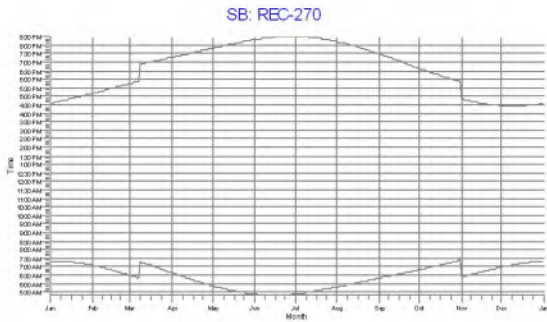
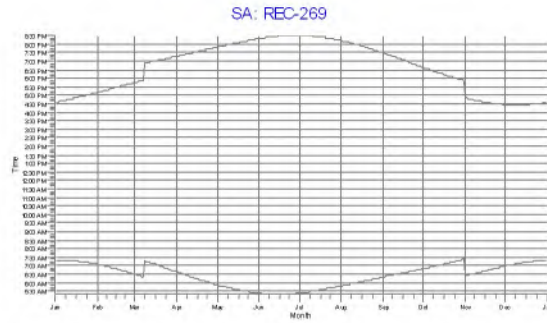
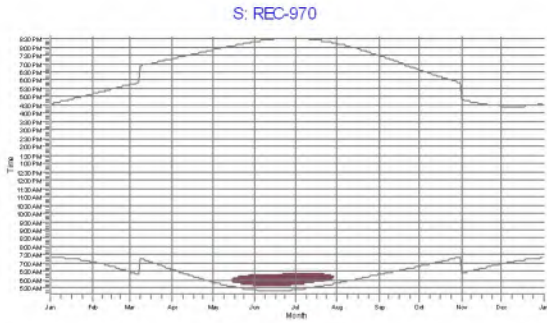
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13 131: K18

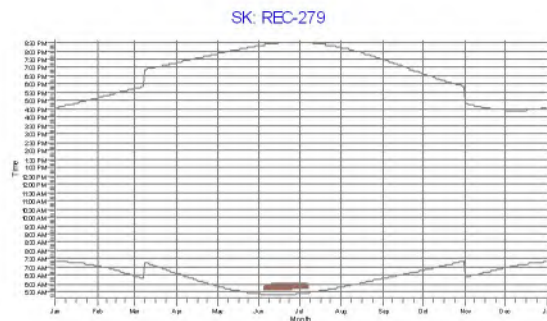
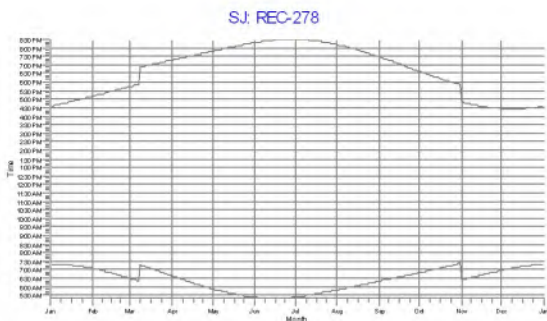
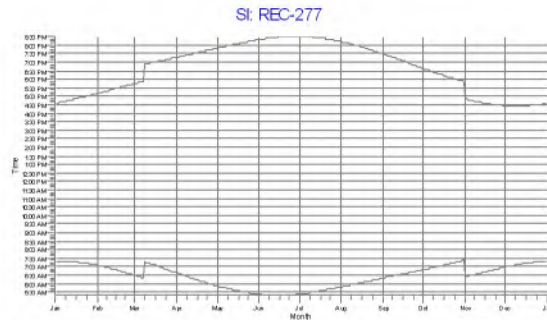
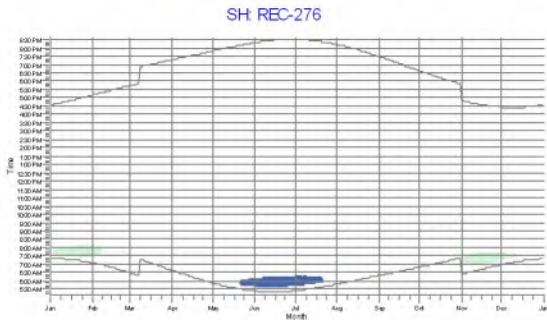
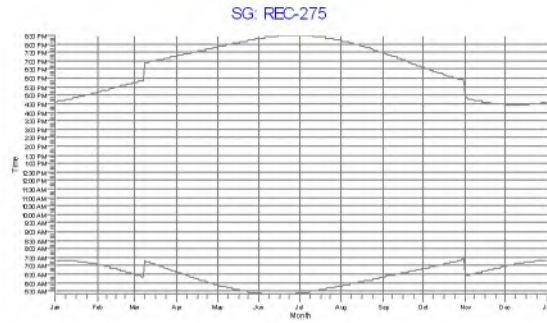
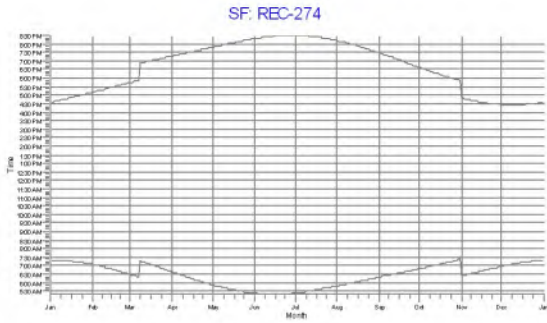
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

83: K29 110: K90 125: K28

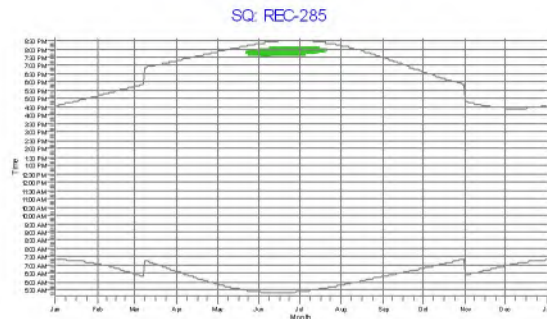
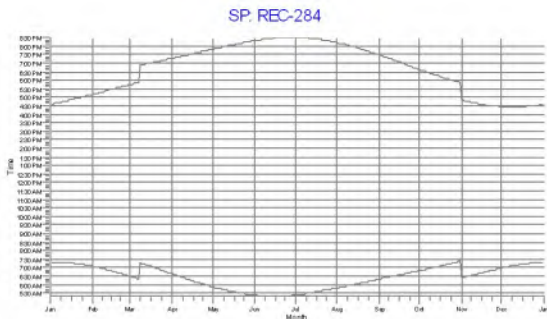
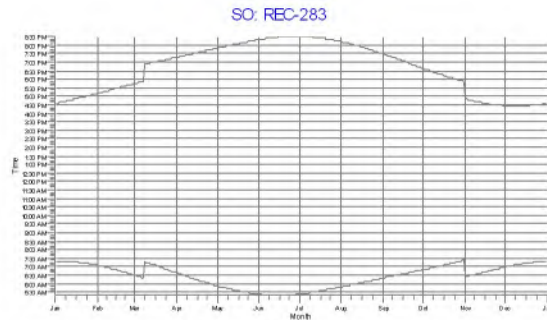
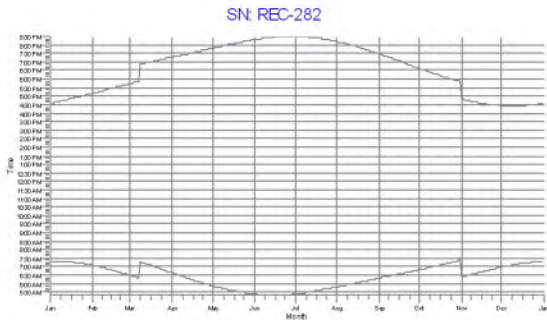
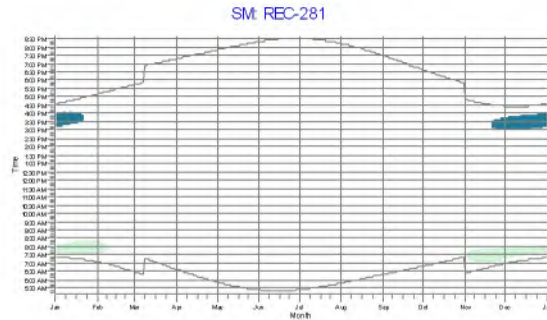
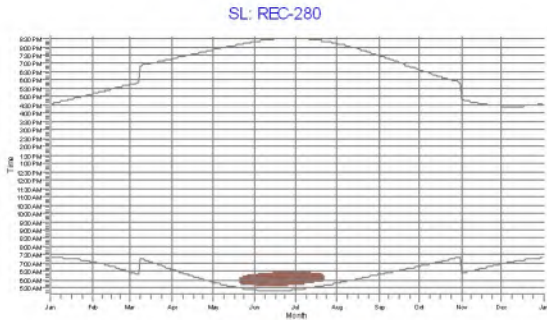
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 109: K89
 110: K90
 125: K28
 131: K18

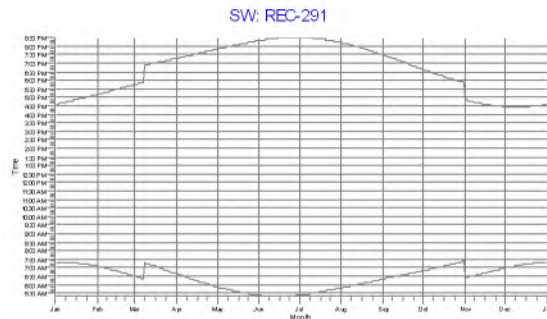
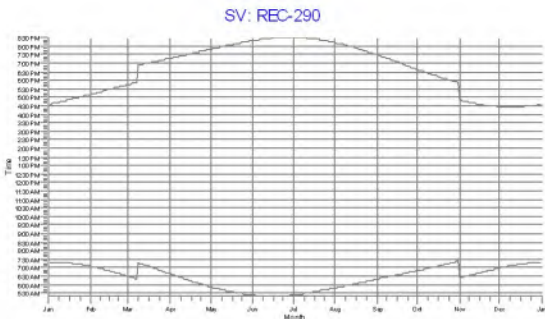
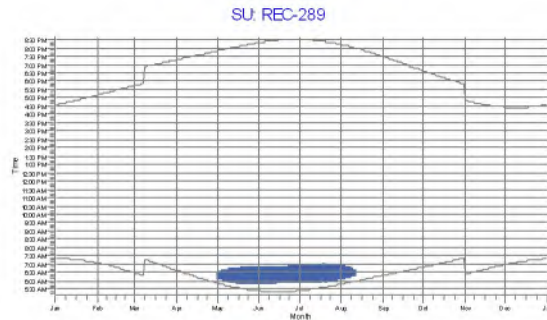
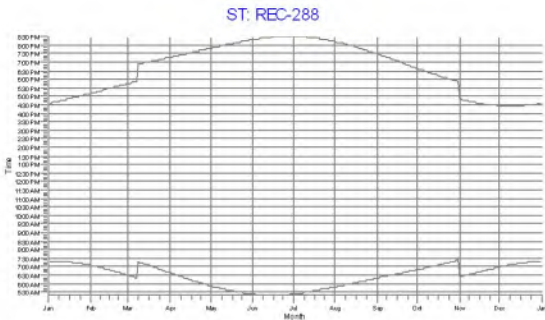
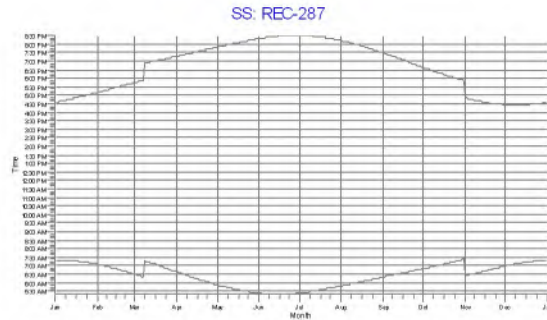
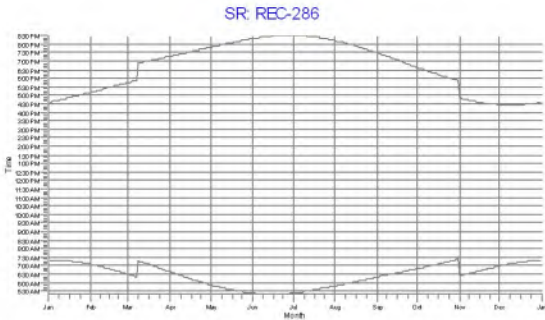
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Calculated:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
83: K29

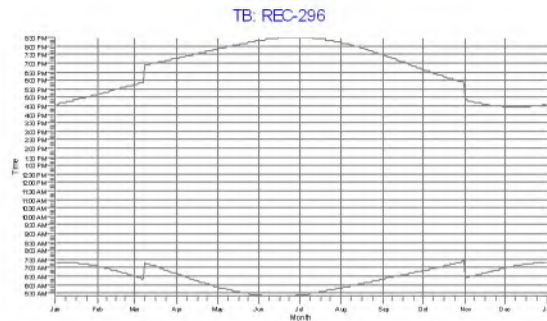
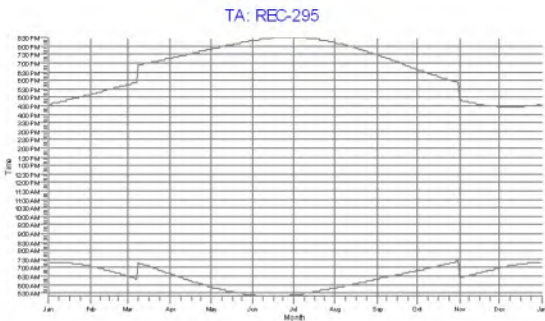
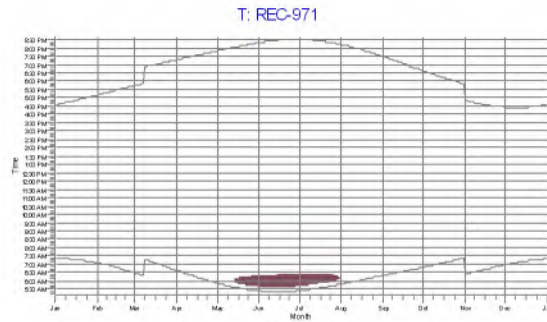
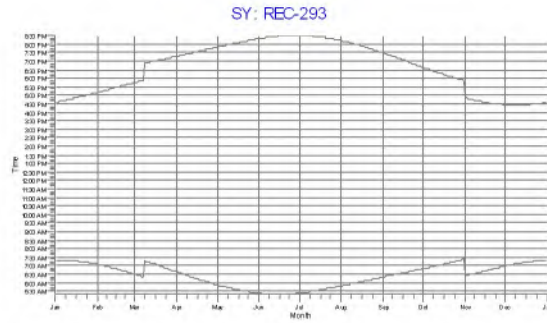
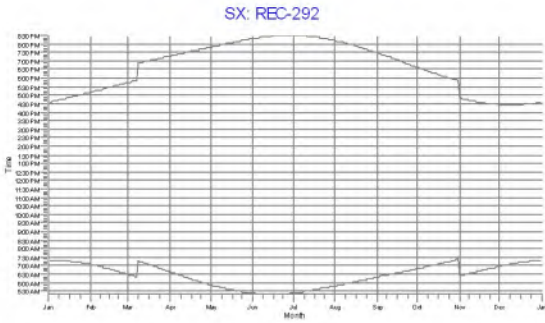
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13

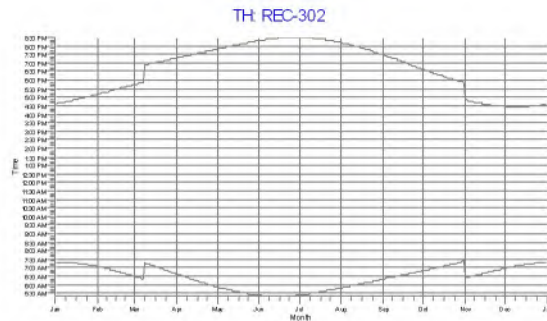
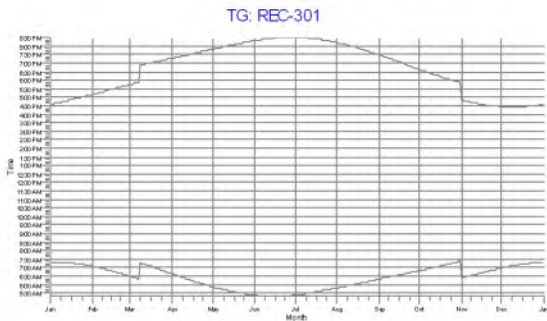
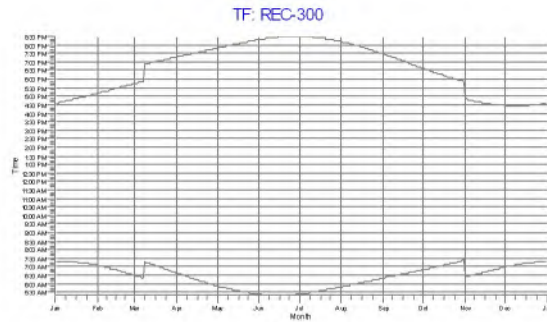
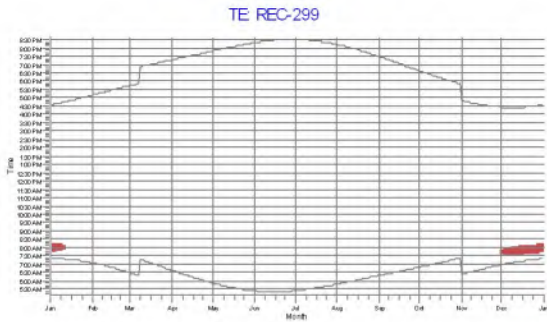
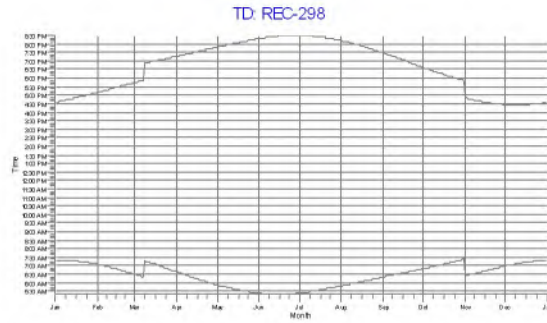
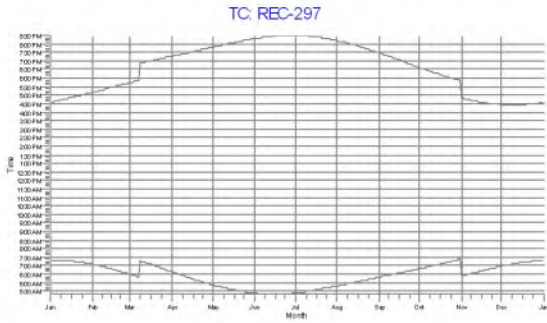
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
84: K32

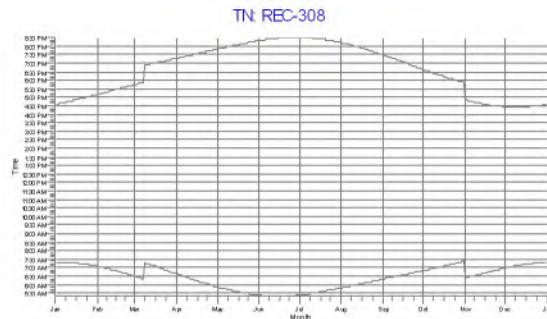
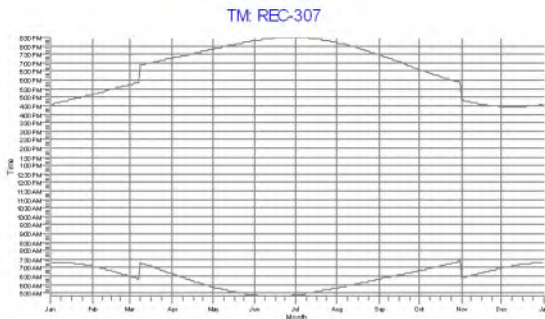
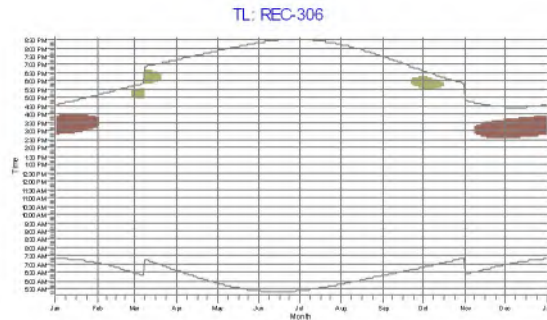
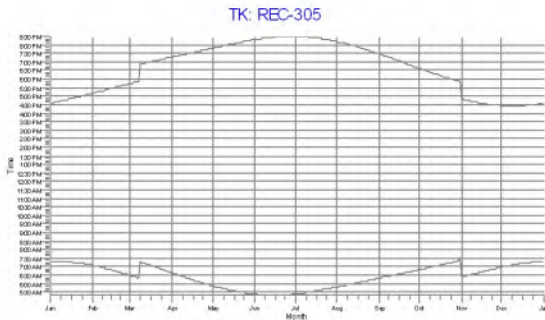
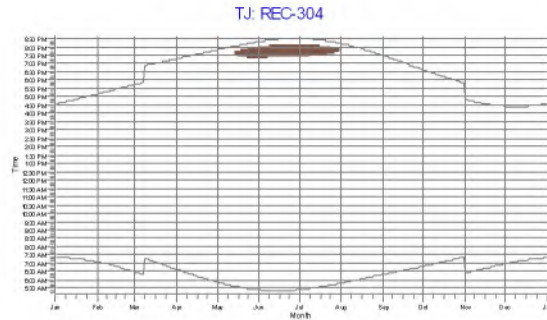
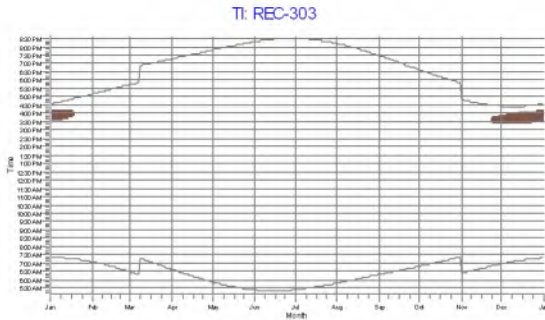
Project:
 132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

82: K24 110: K90 129: K500

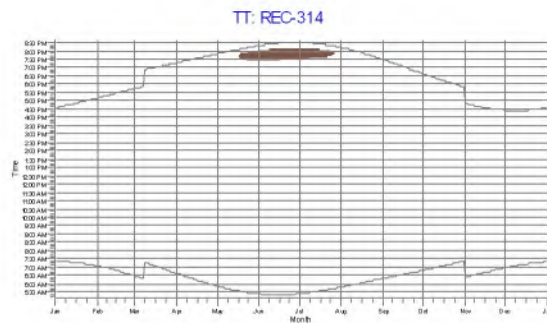
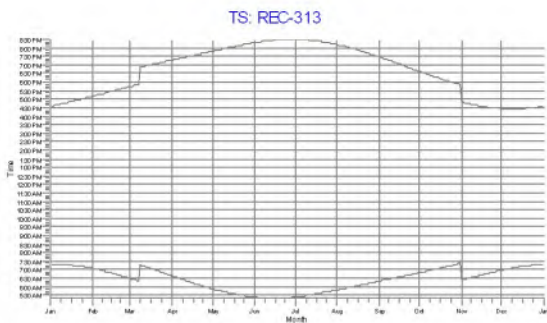
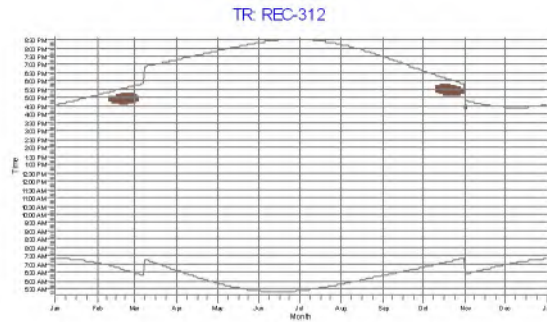
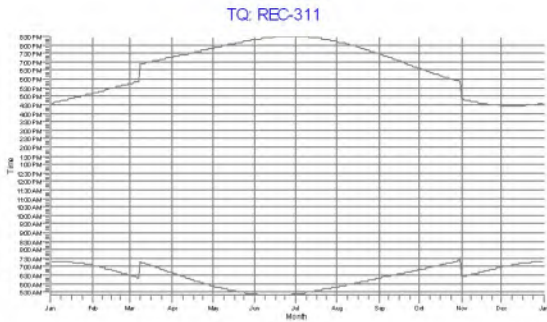
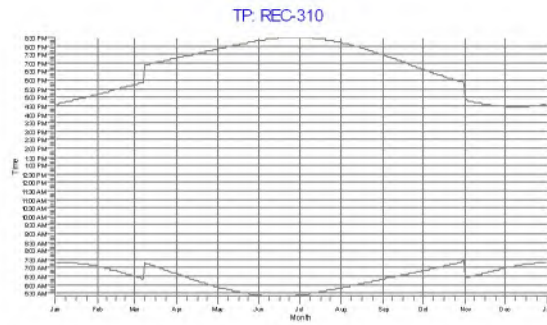
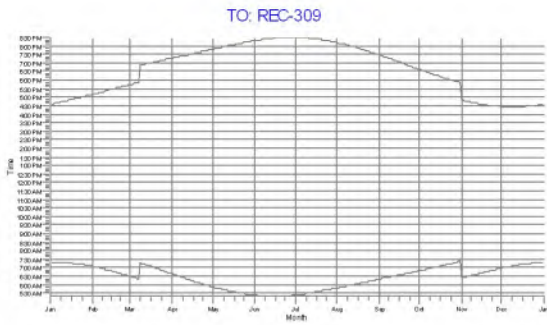
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
82: K24

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

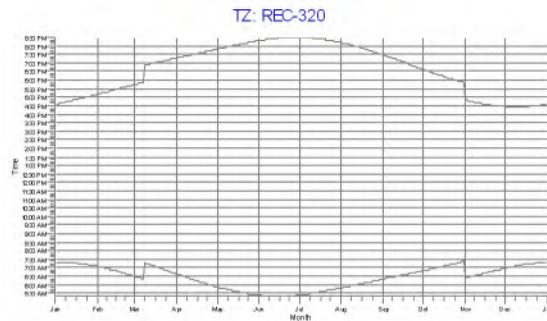
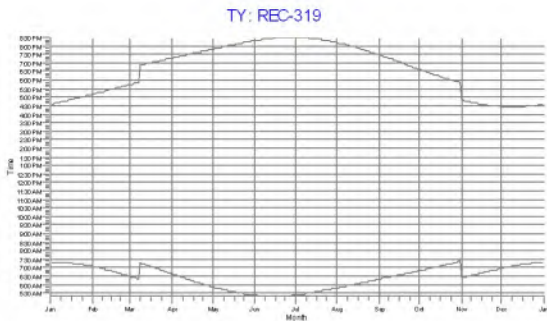
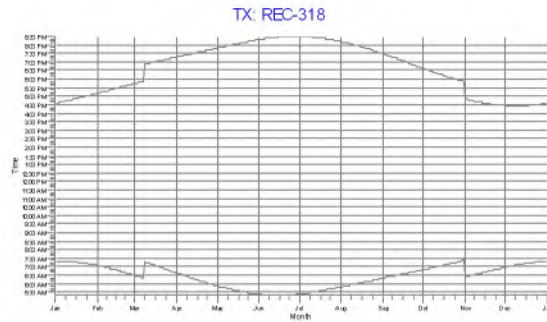
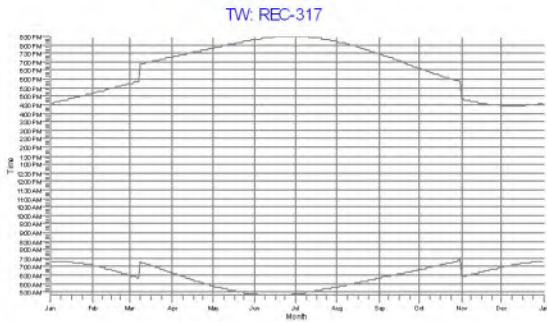
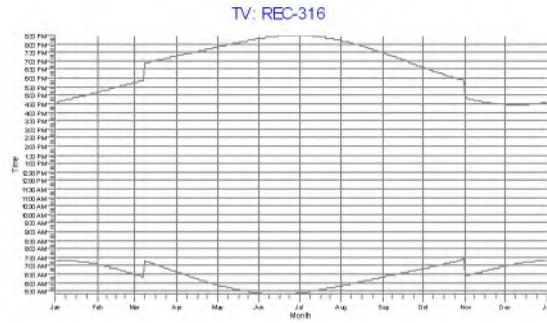
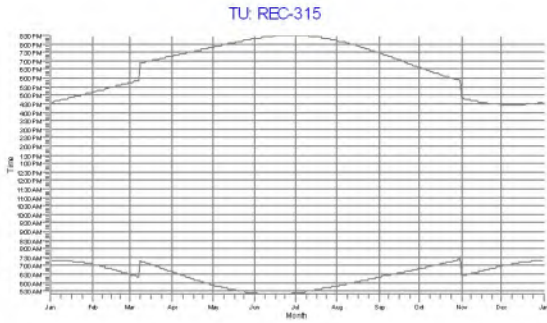
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

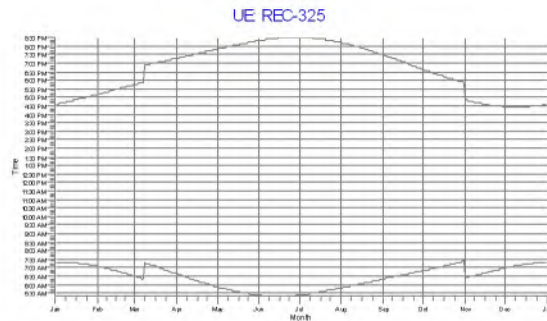
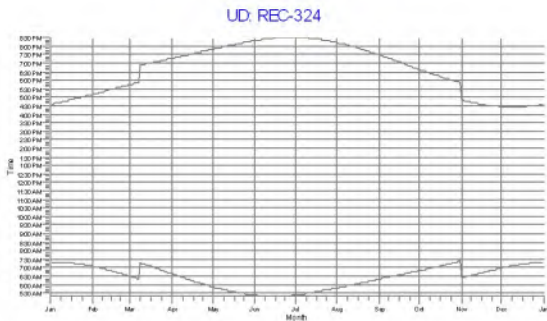
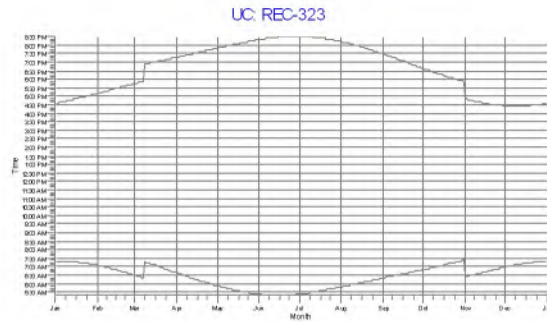
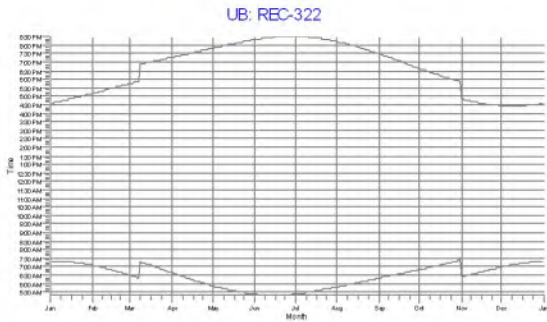
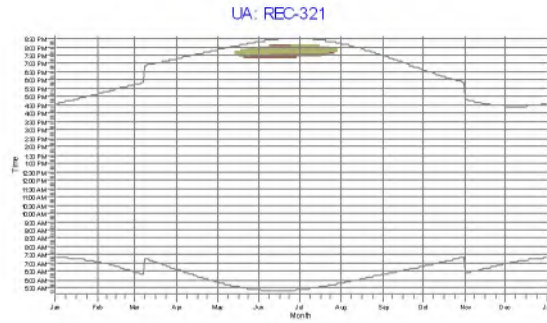
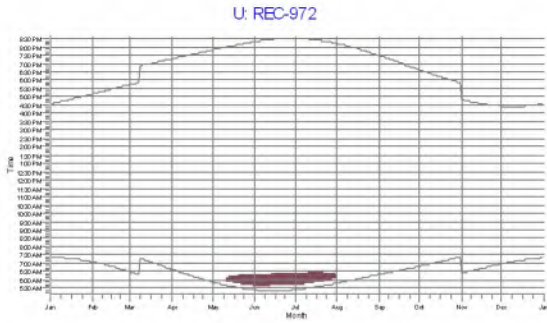
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

79: K13 110: K90 129: K500

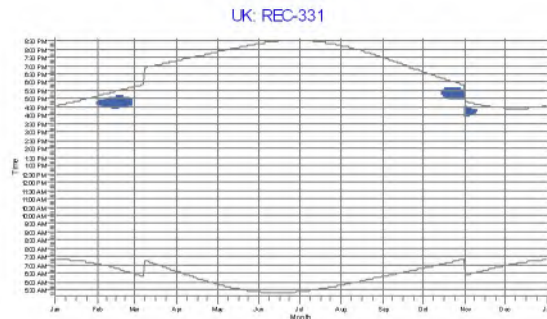
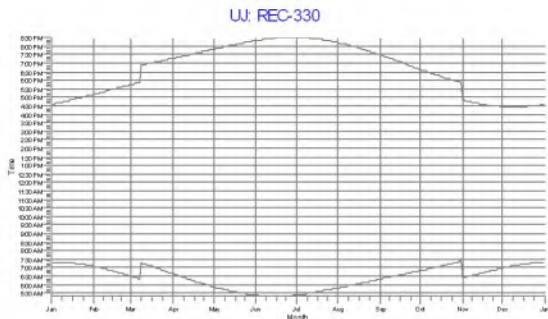
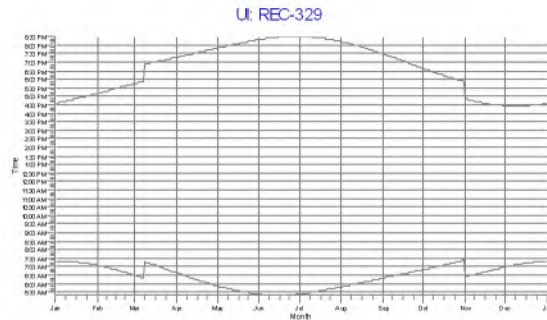
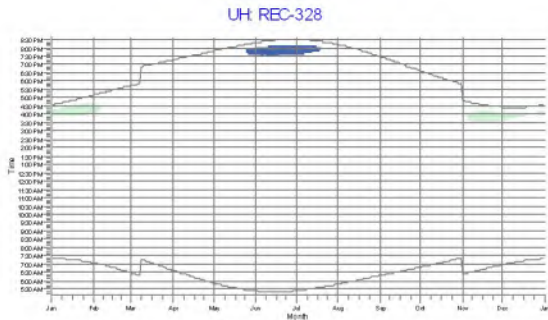
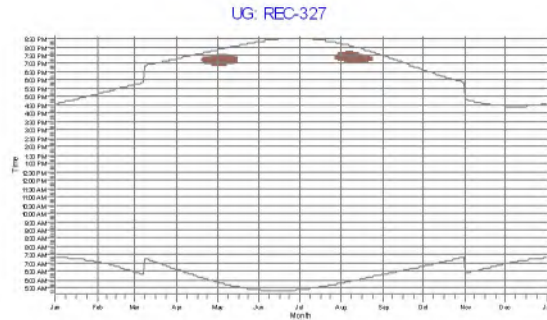
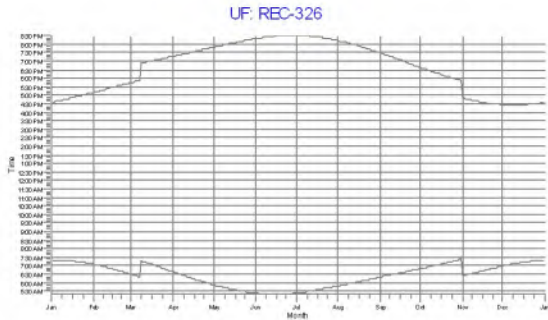
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 83: K29
■ 110: K90
■ 125: K28

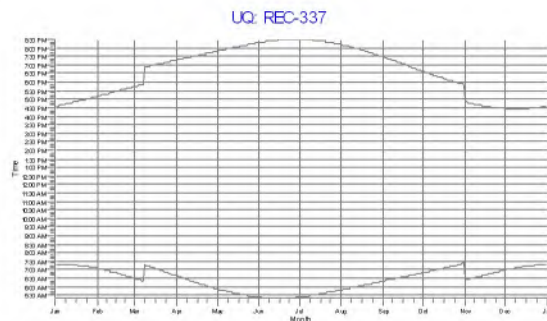
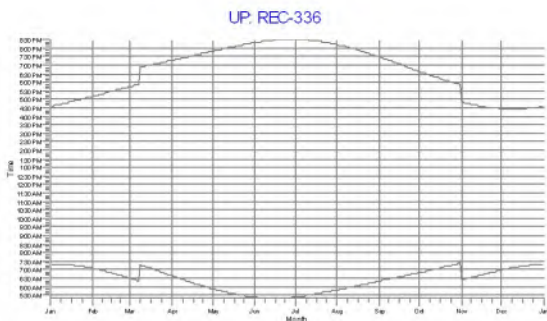
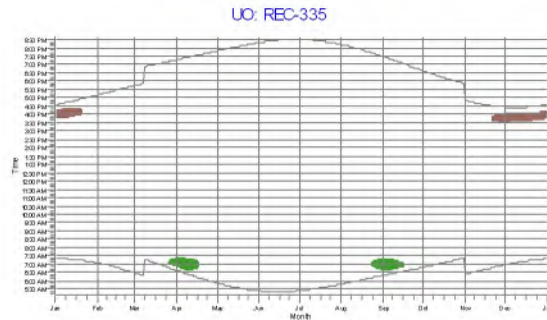
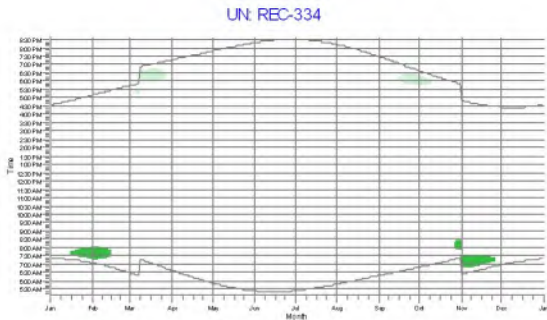
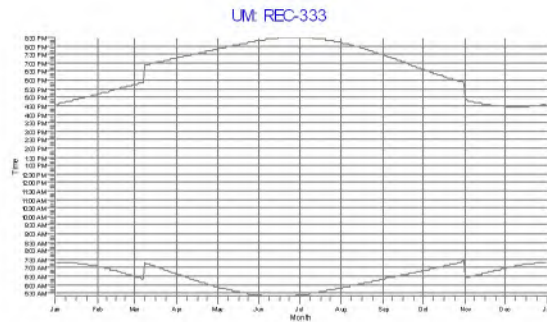
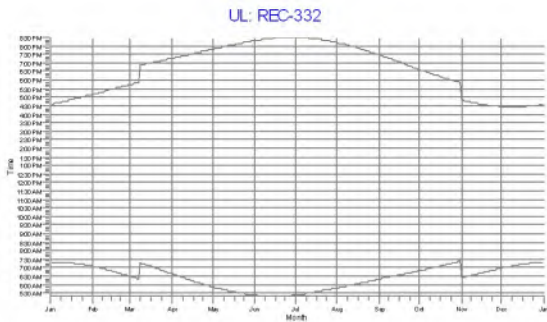
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 85: K34 ■ 110: K90 ■ 111: K91 ■ 125: K28

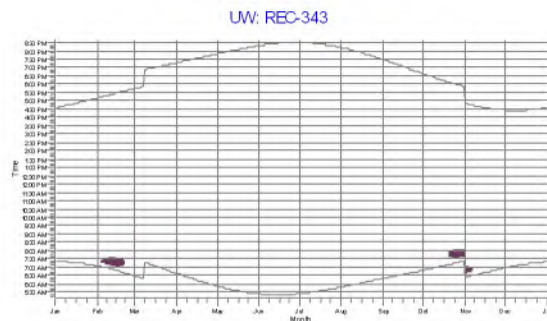
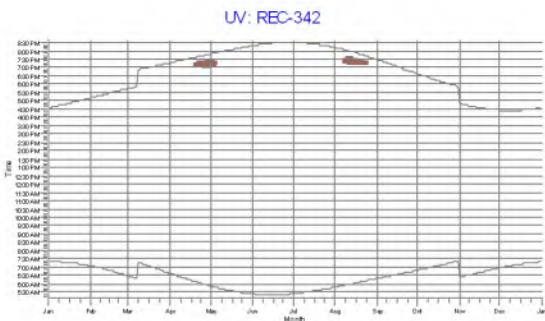
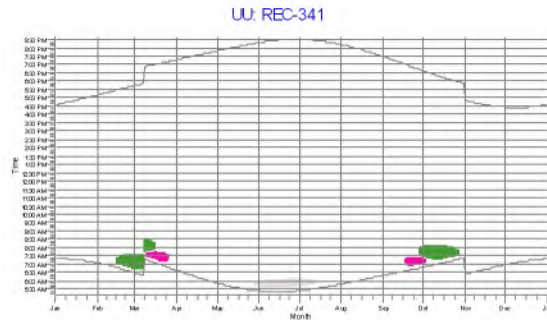
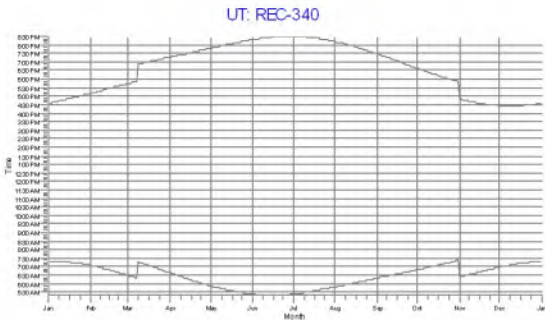
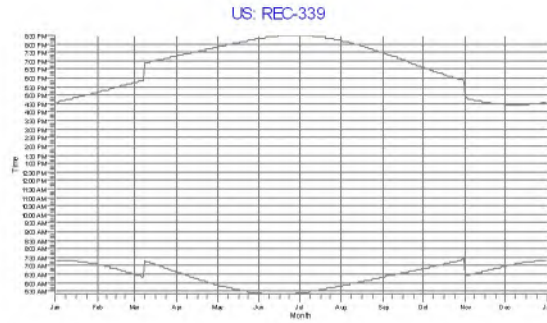
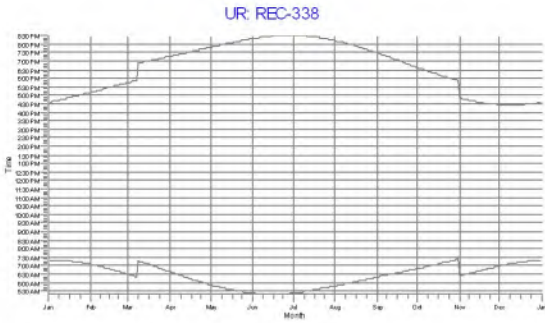
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 86: K36
 110: K90
 111: K91
 126: K109
 132: K38

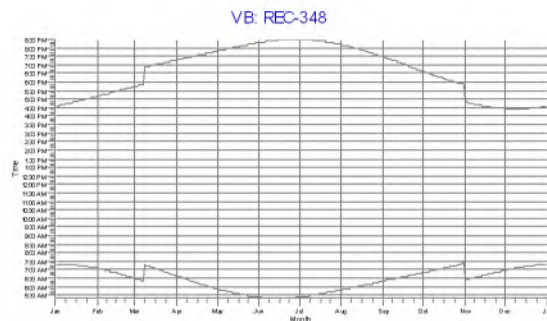
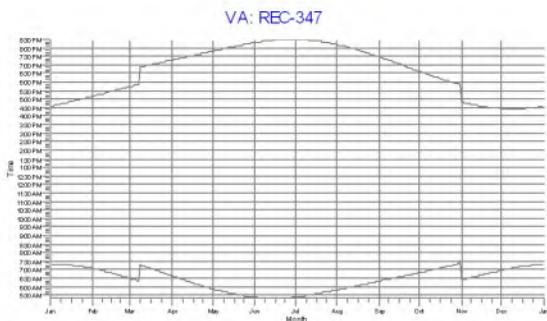
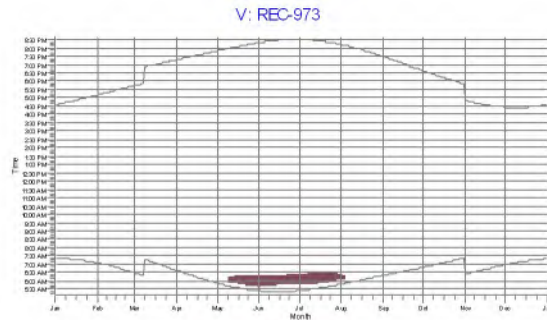
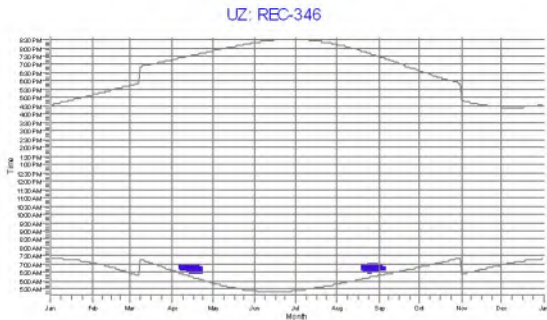
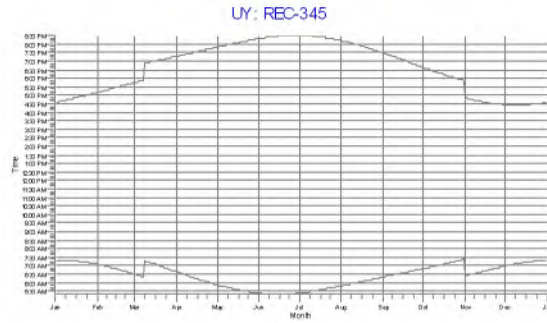
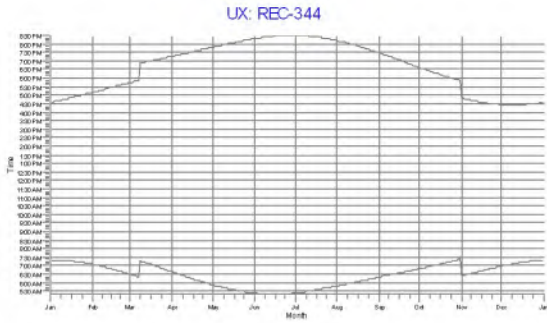
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
79: K13 127: K110

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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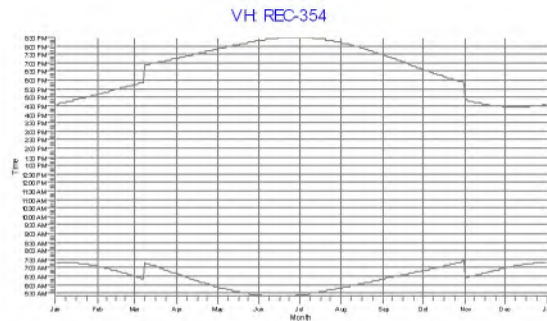
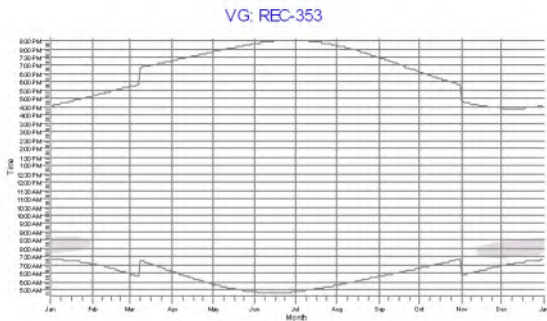
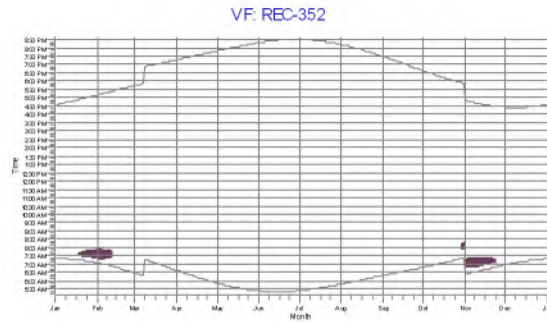
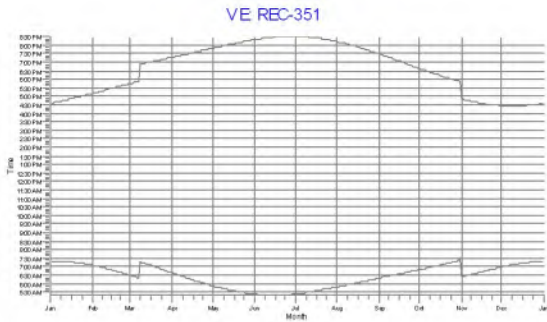
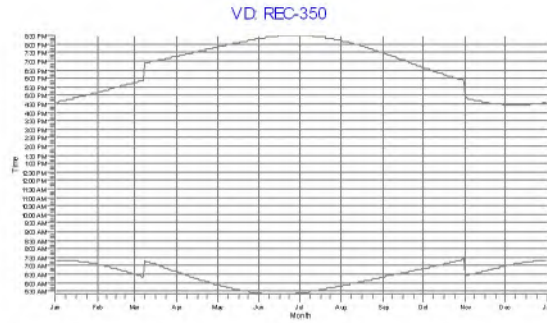
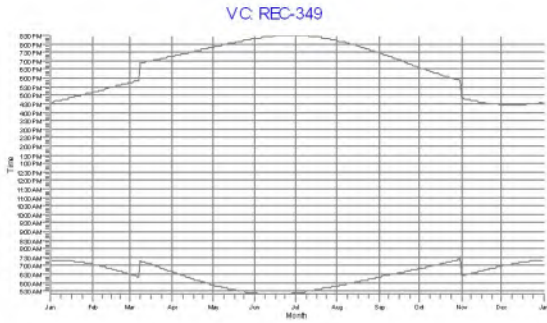
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

86: K36 126: K109

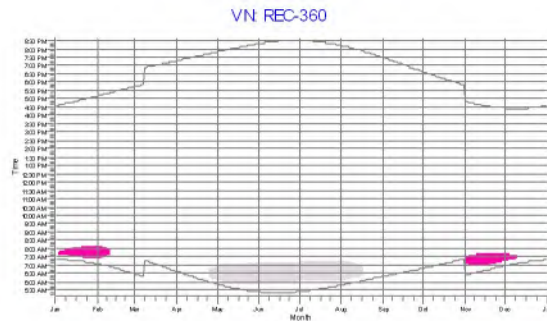
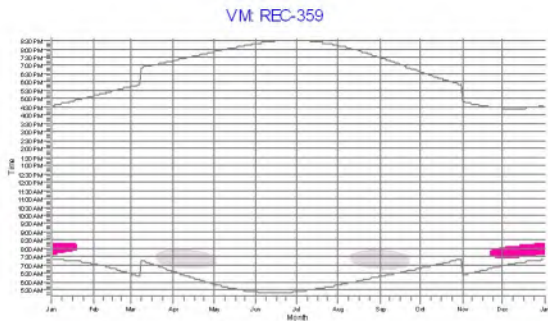
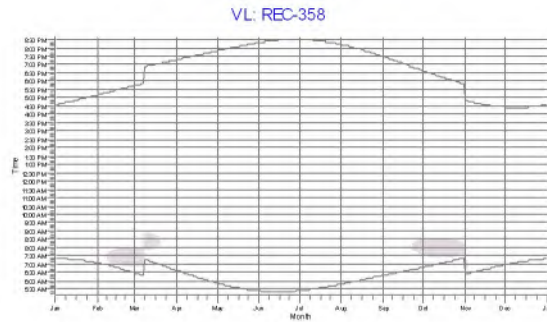
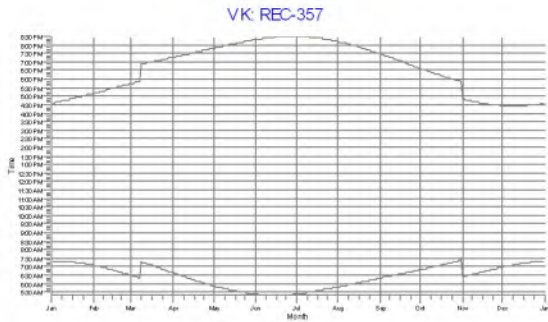
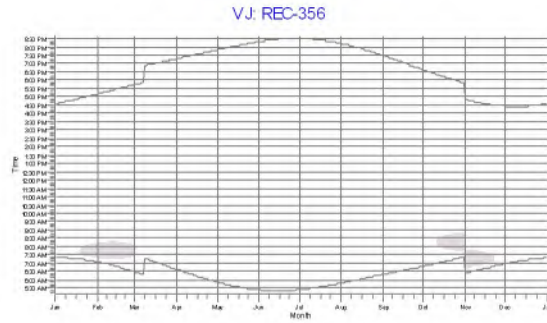
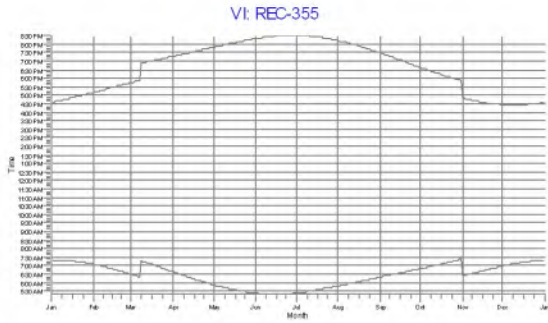
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

86: K36 132: K38

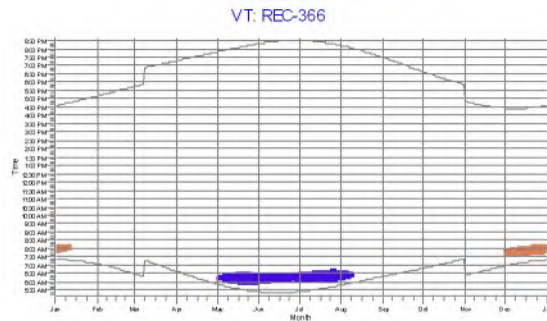
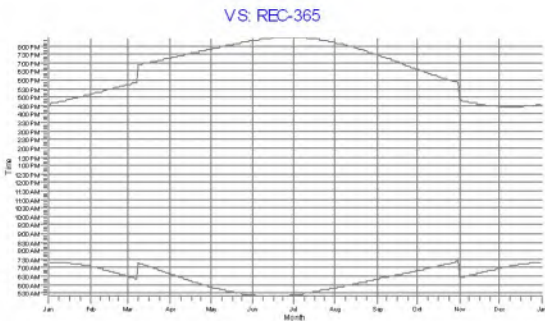
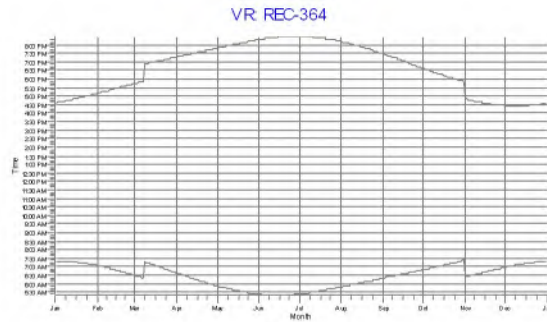
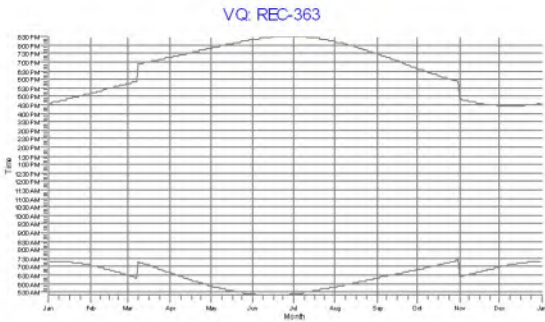
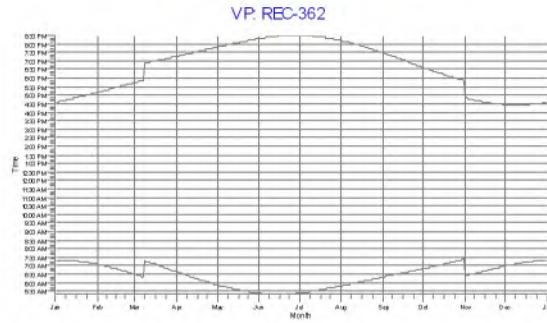
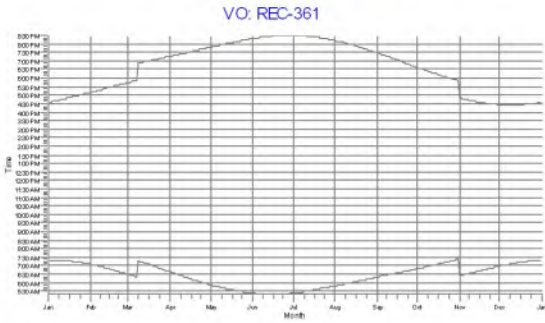
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92 127: K110

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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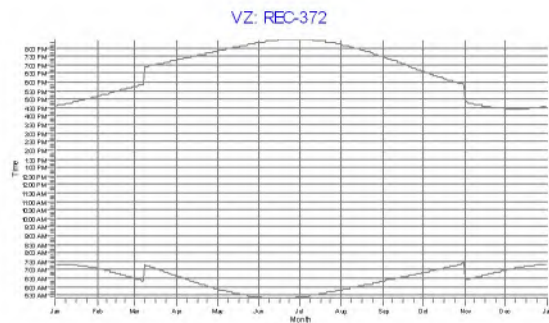
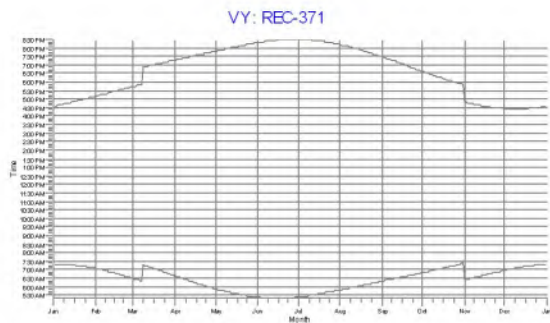
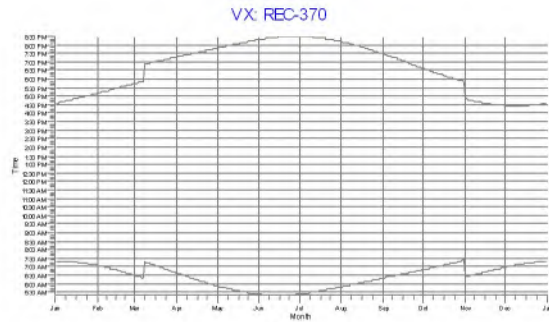
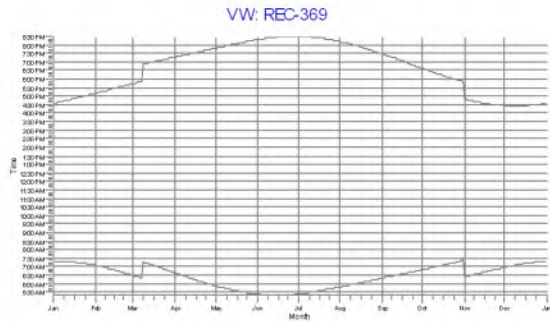
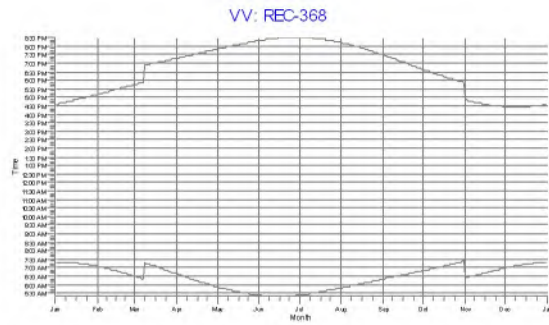
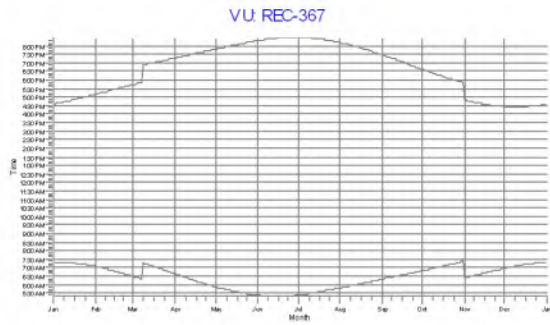
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

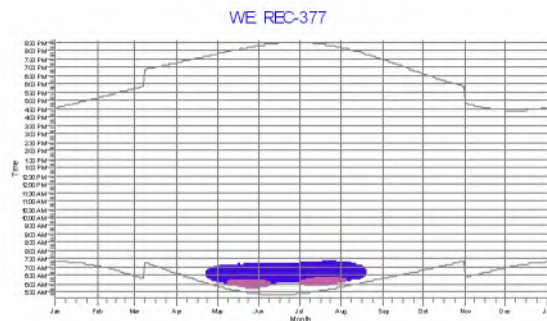
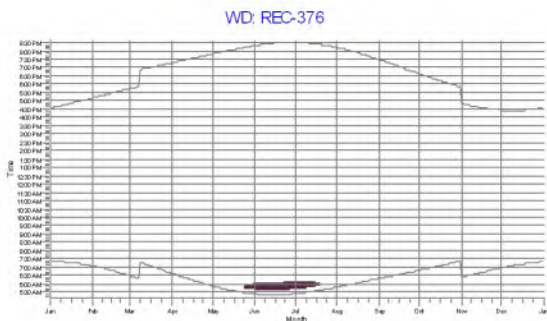
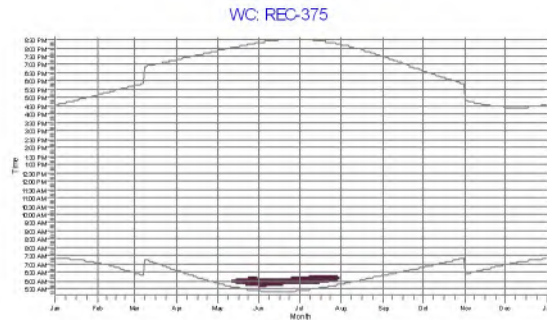
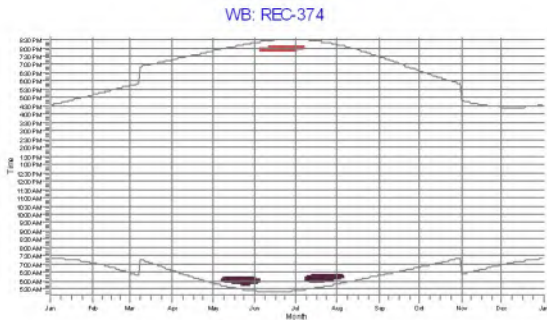
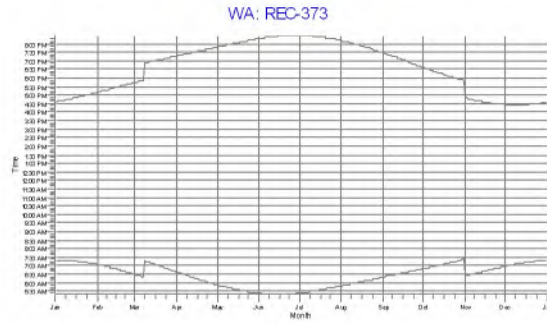
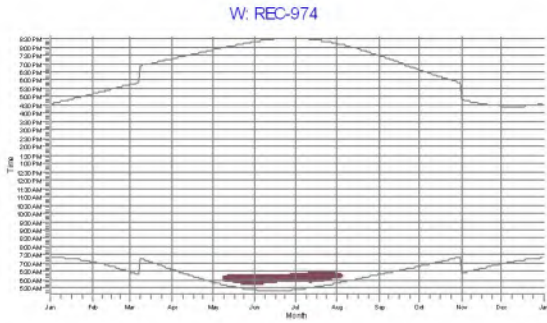
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

79: K13 84: K32 88: K42 127: K110 134: K204

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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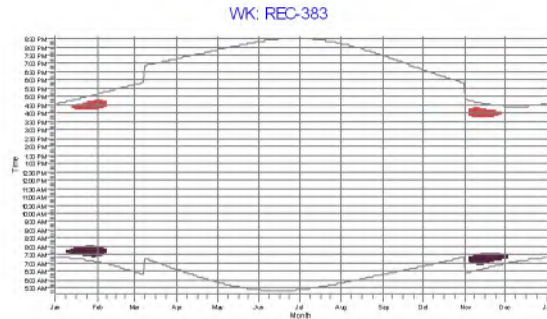
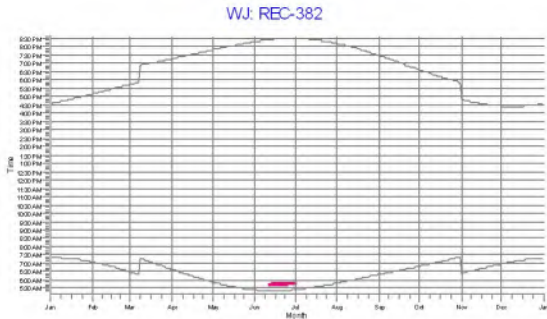
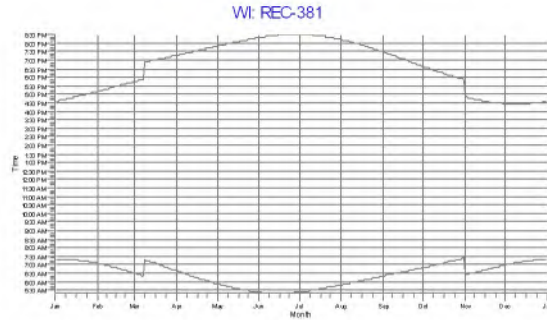
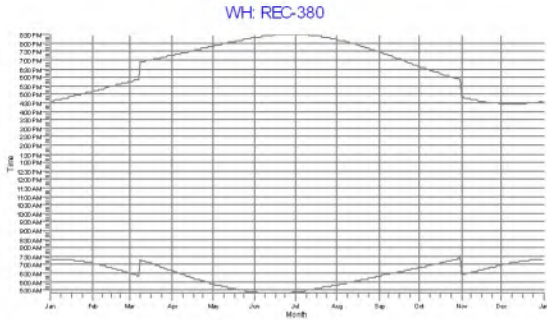
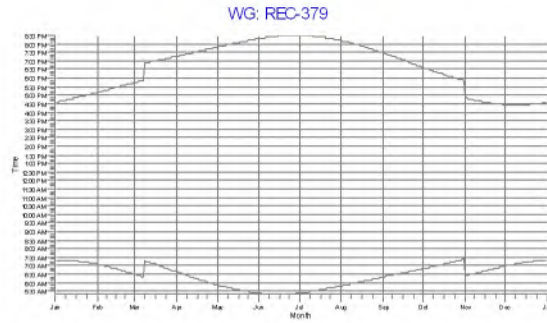
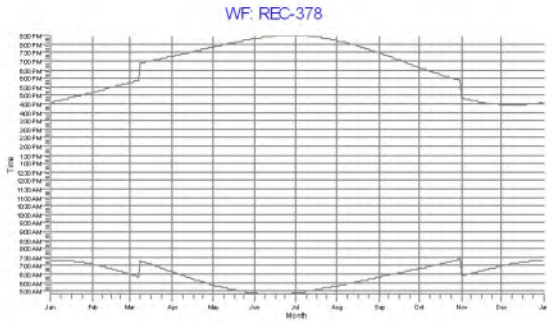
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

84: K32 88: K42 89: K43

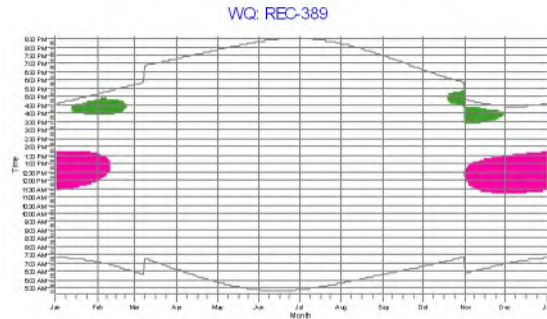
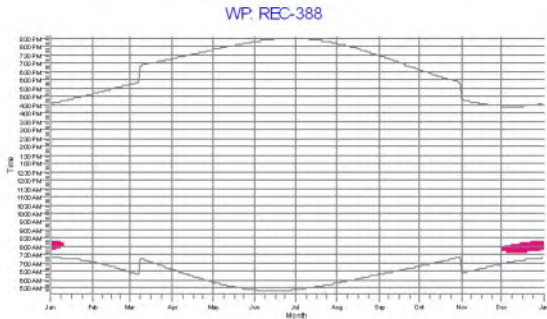
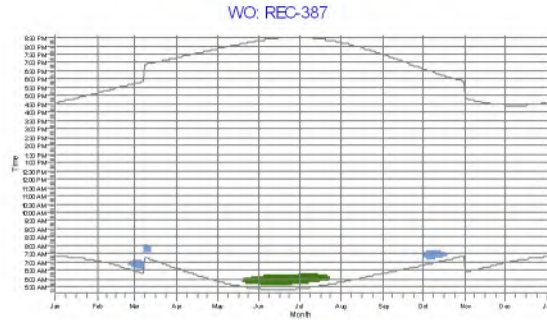
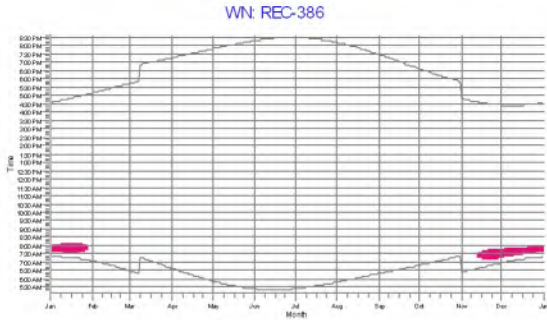
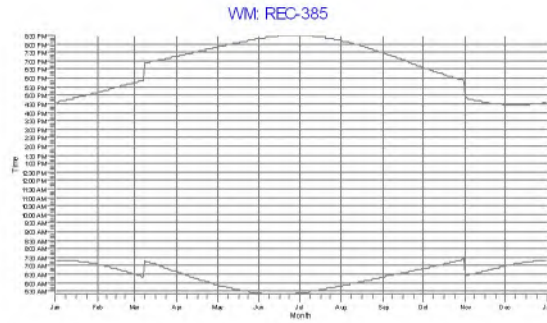
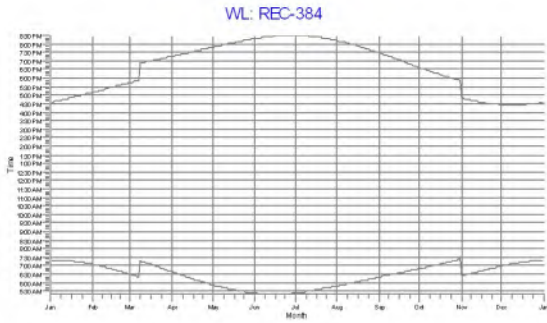
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

89: K43 90: K46 111: K91 124: K107 132: K38

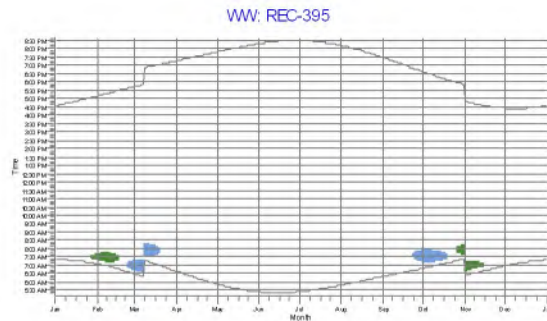
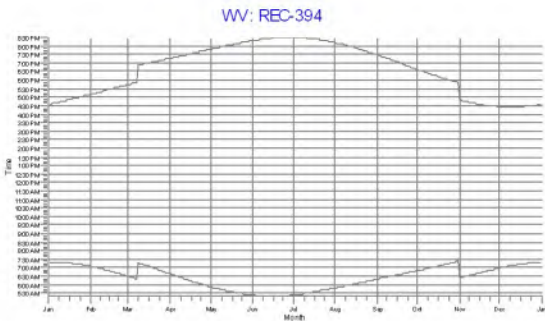
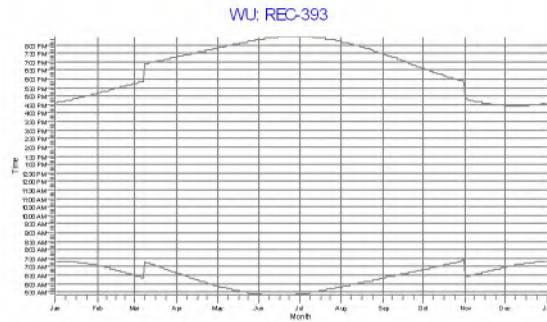
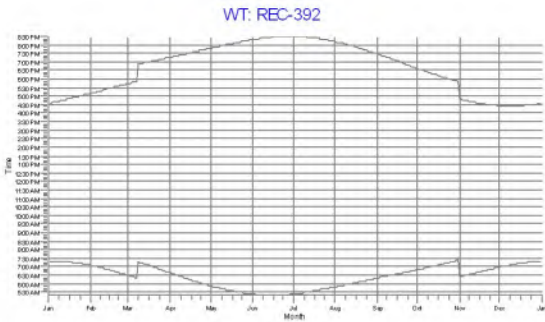
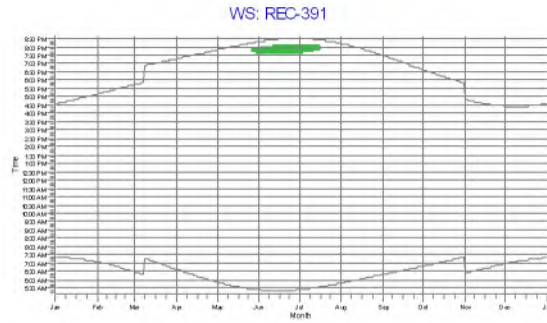
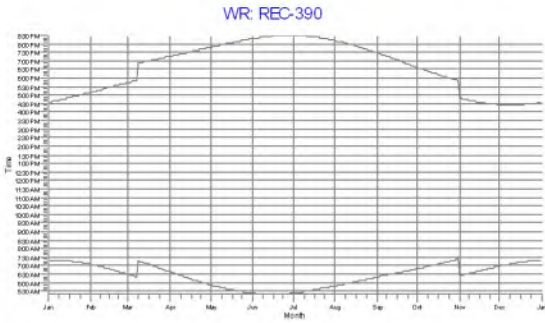
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

85: K34 90: K46 91: K47

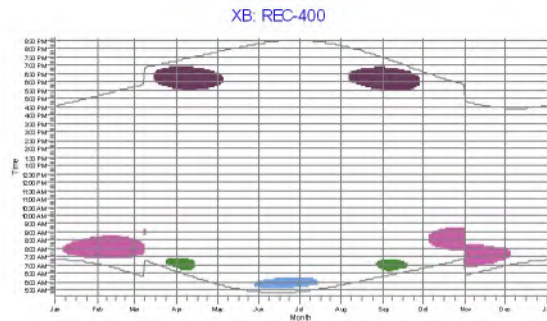
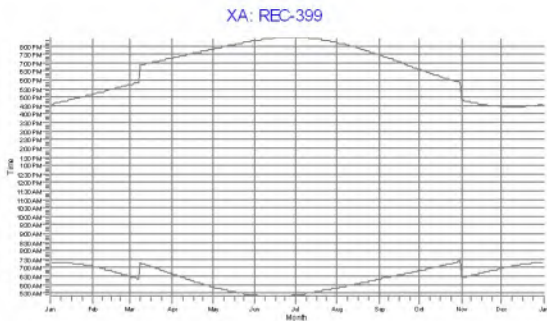
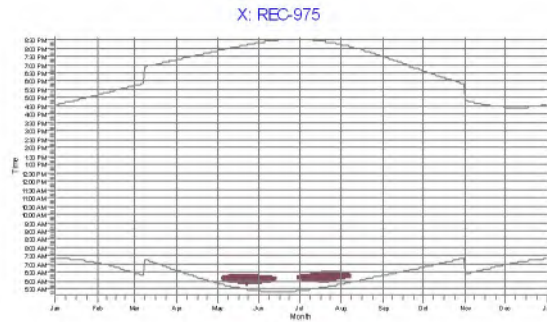
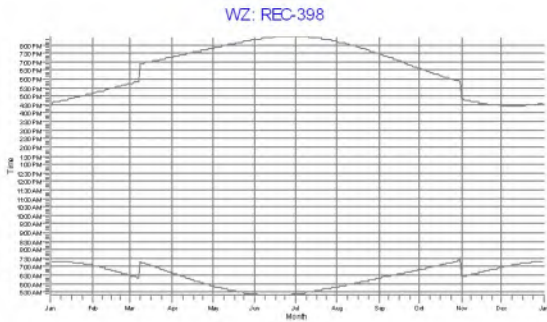
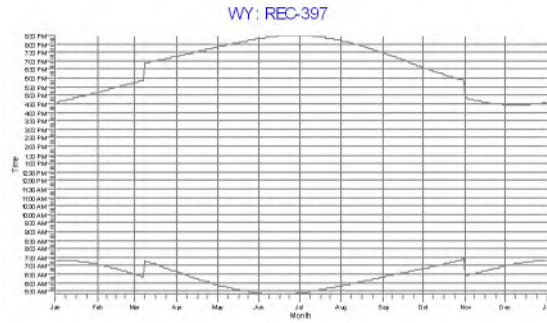
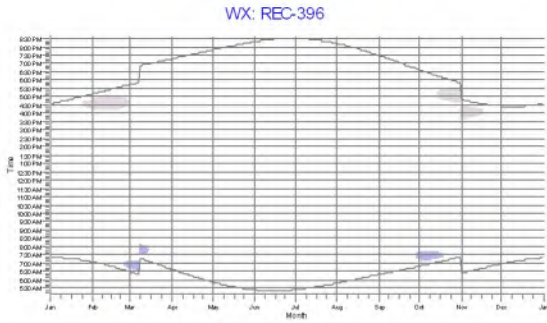
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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Calculated:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs



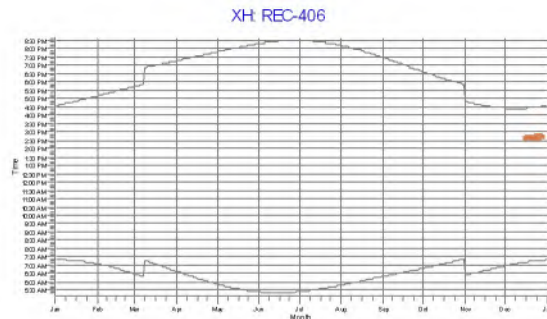
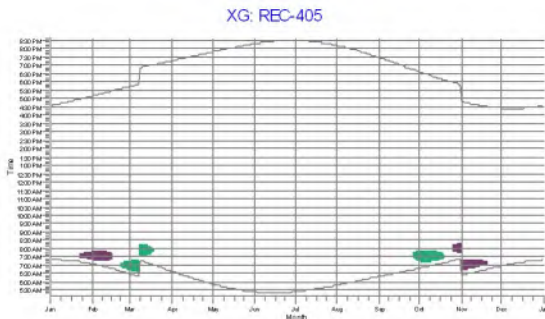
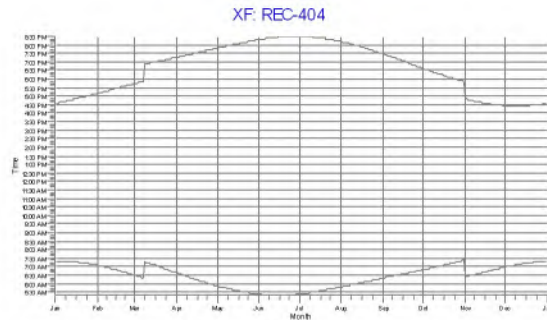
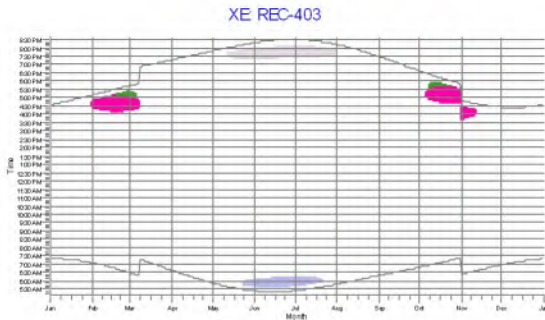
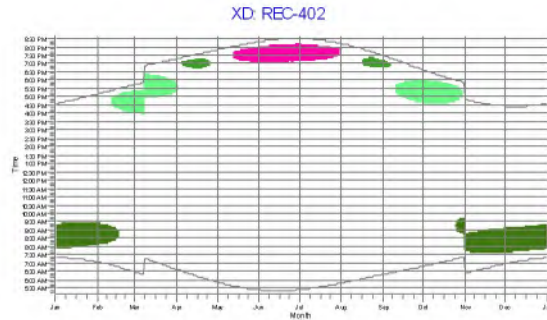
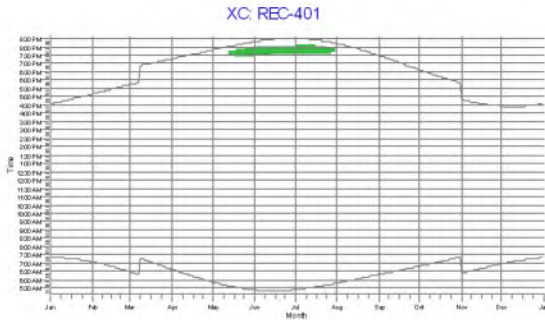
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs



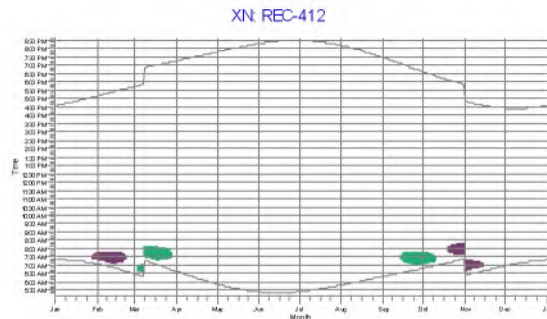
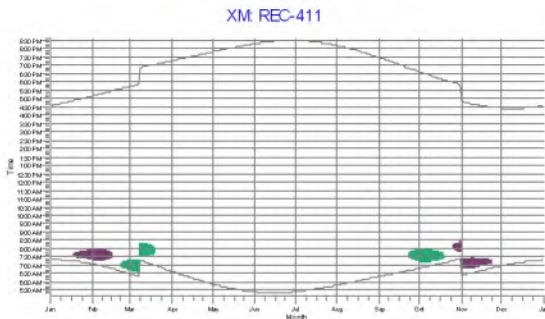
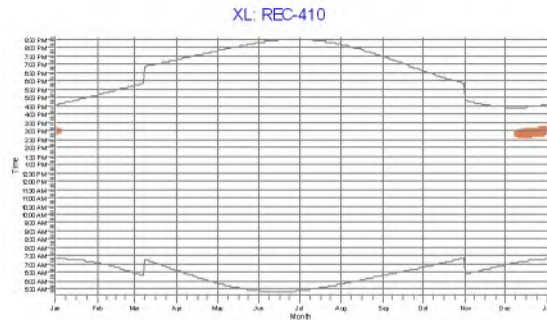
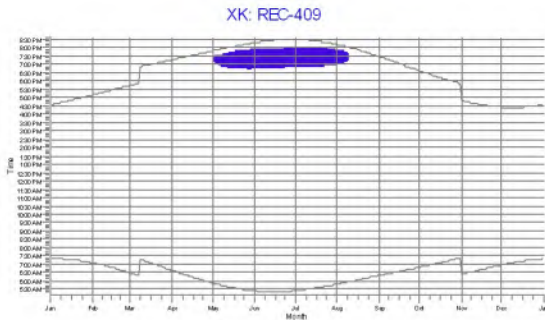
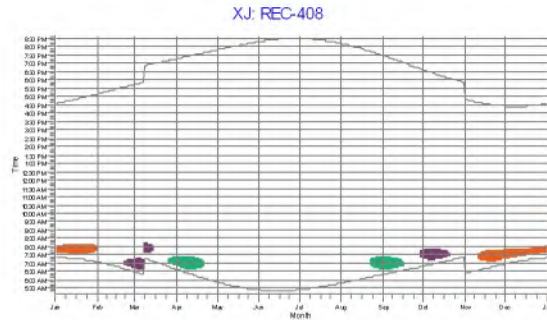
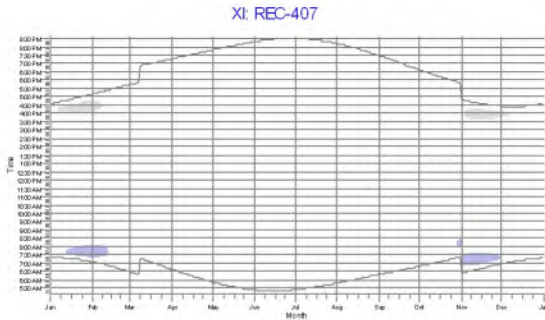
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

86: K36 92: K501 112: K92 115: K50 116: K51 127: K110 128: K48

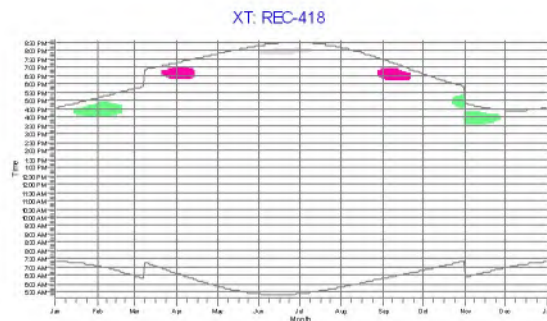
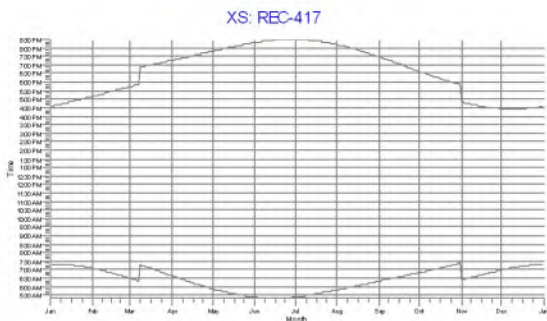
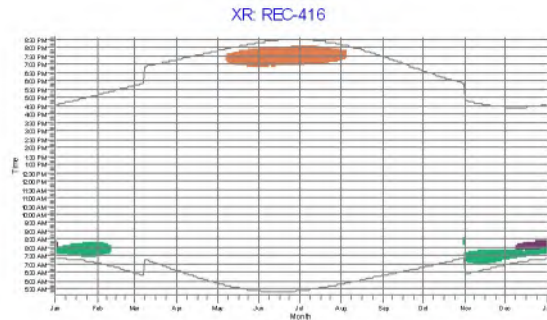
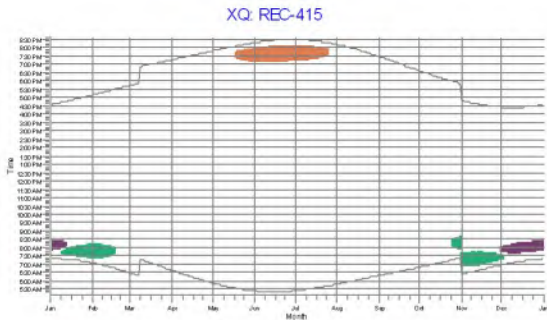
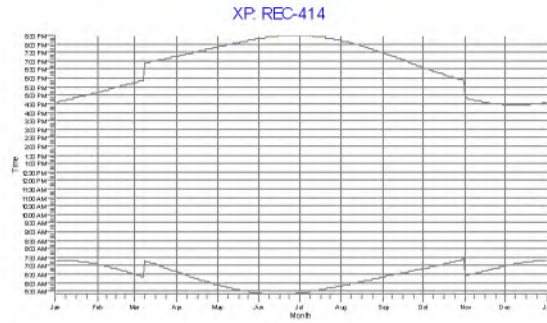
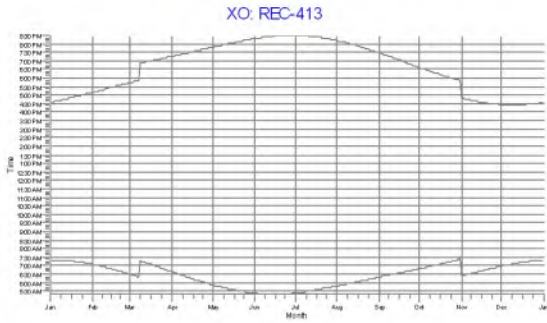
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 86: K36
 87: K503
 92: K501
 112: K92
 116: K51
 132: K38

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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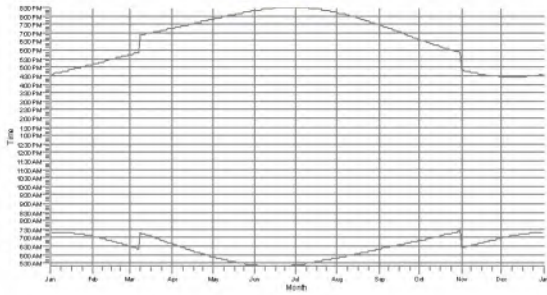
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Calculated:
1/30/2024 2:50 PM/3.0.654

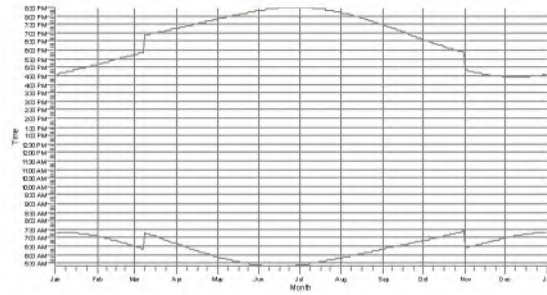
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

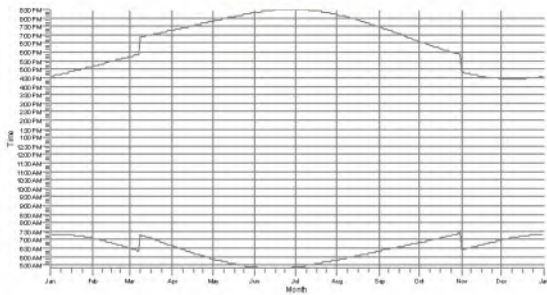
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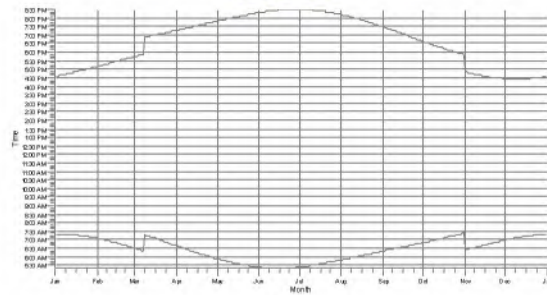
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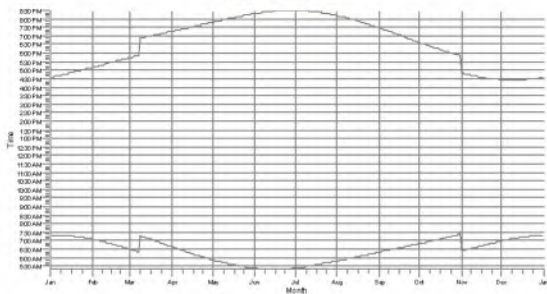
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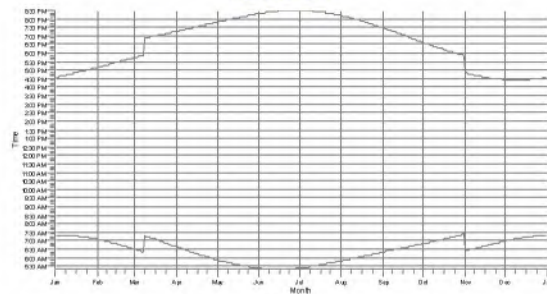
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XY: REC-423



XZ: REC-424



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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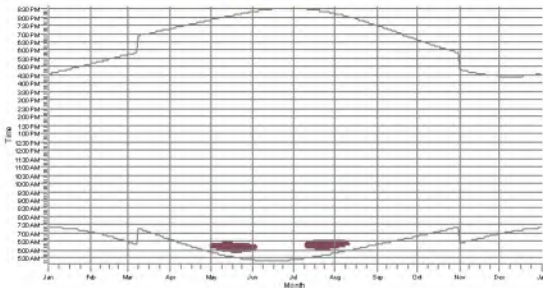
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Calculated:
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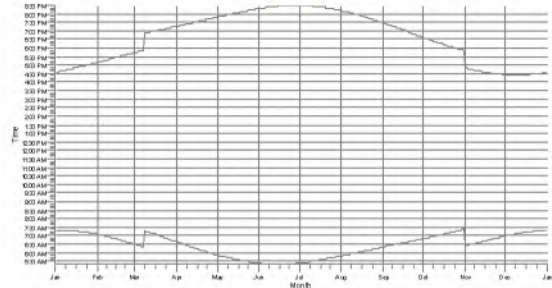
SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)

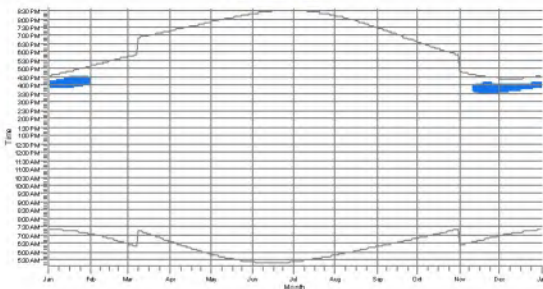
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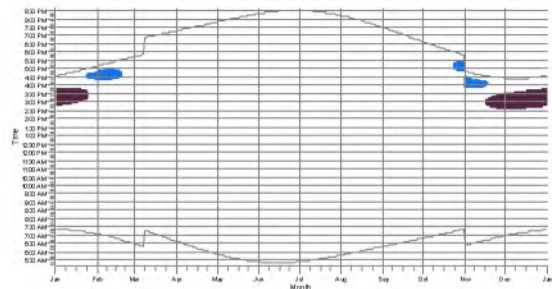
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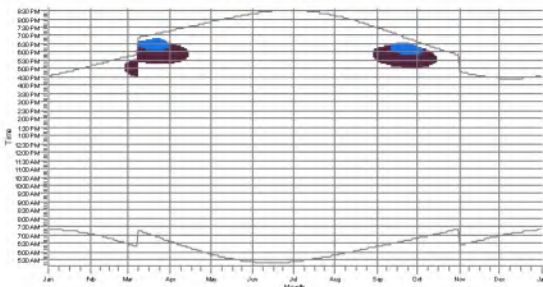
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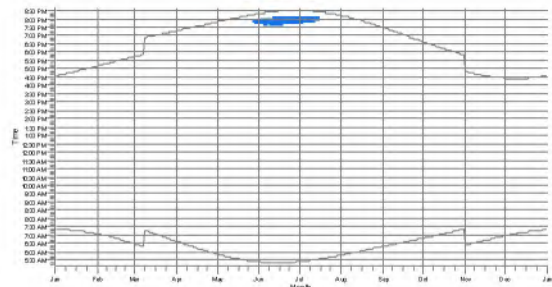
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YD: REC-428



YE REC-429



WTGs

79: K13
 88: K42
 113: K93

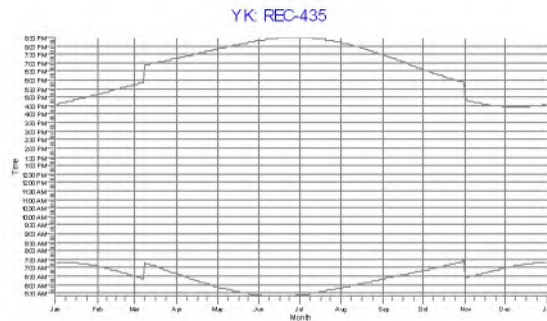
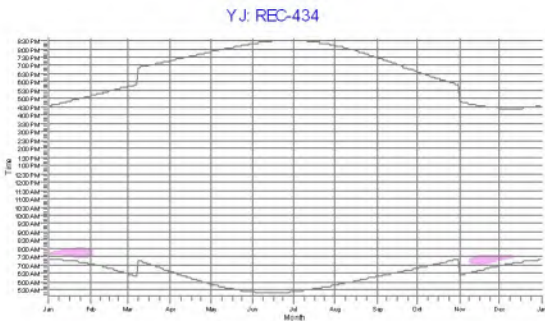
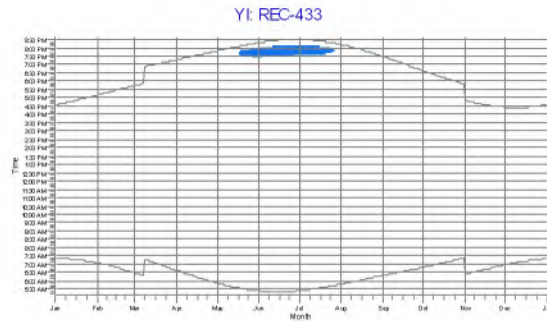
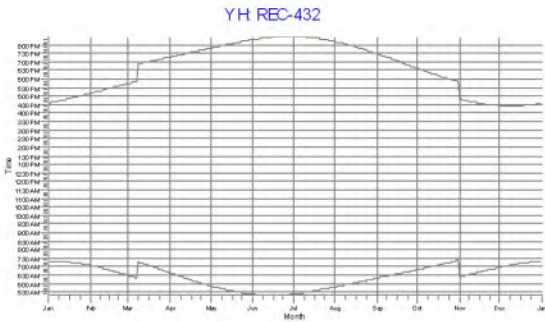
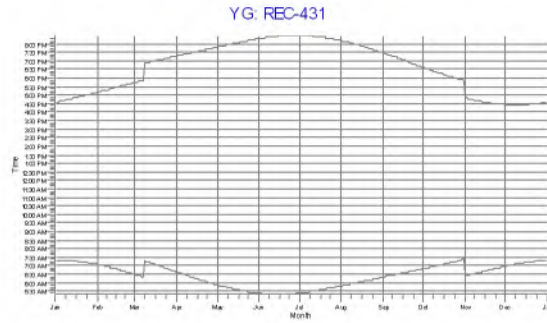
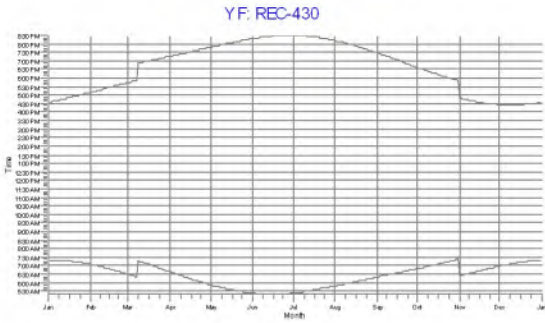
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

113: K93 114: K94

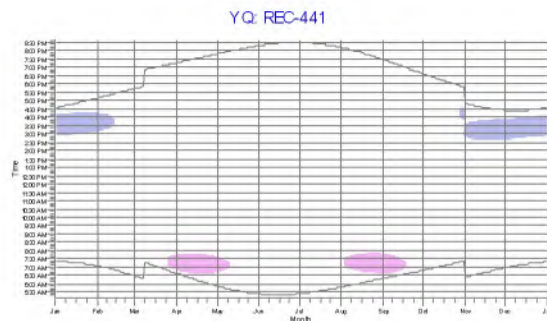
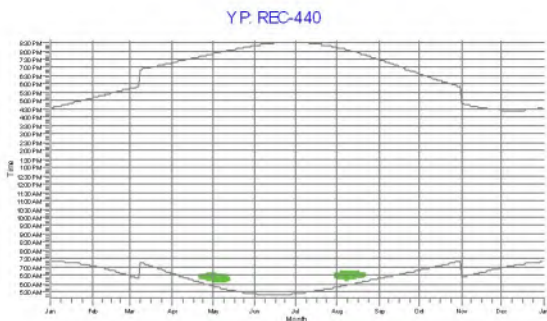
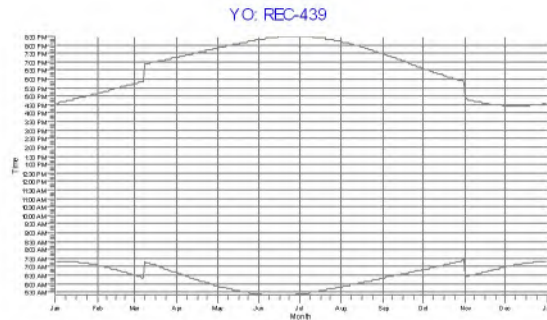
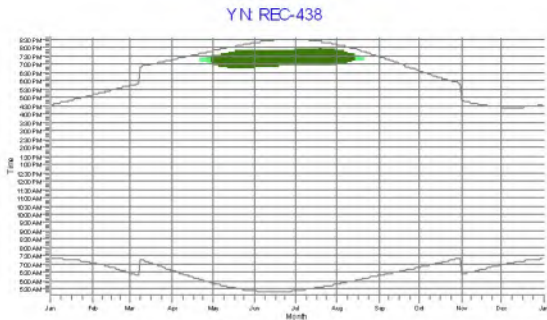
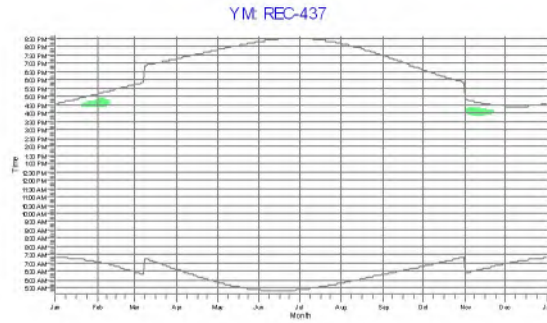
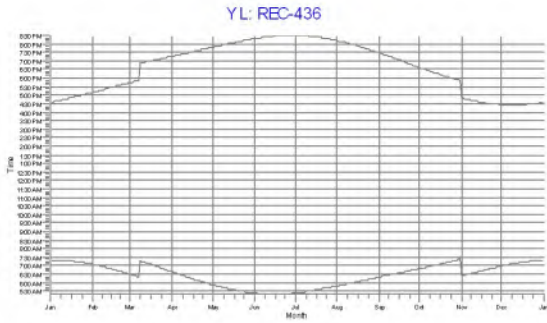
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

87: K503 94: K55 114: K94 115: K50 124: K107

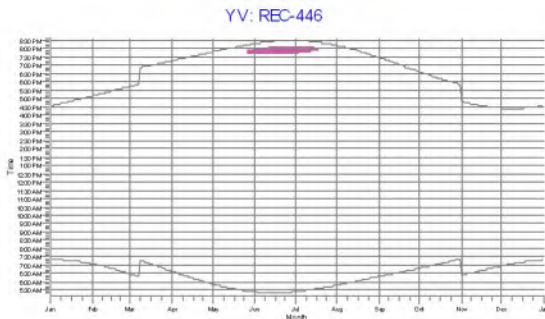
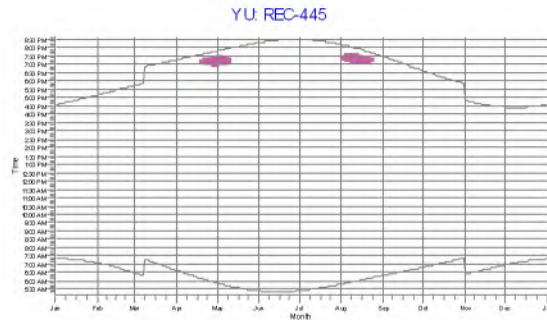
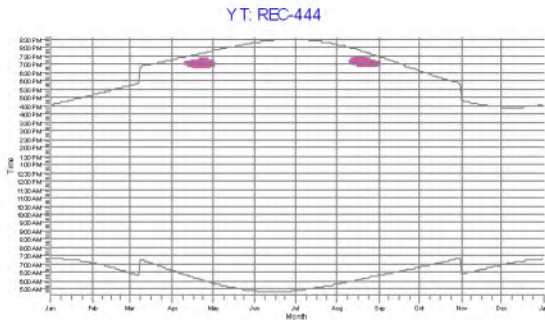
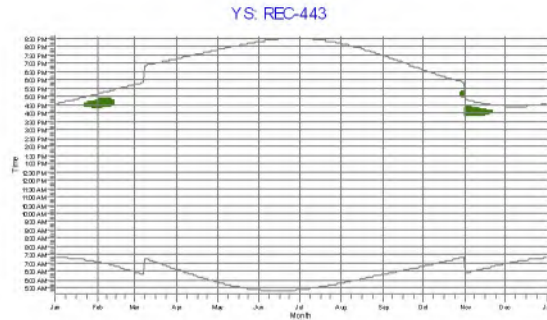
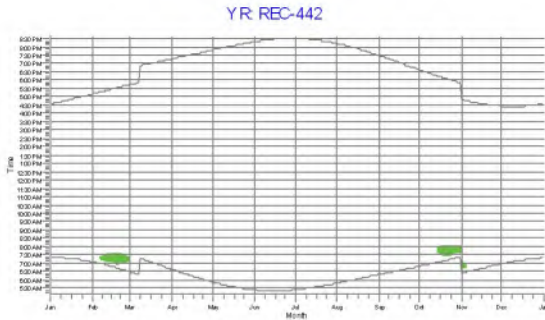
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

94: K55 124: K107 134: K204

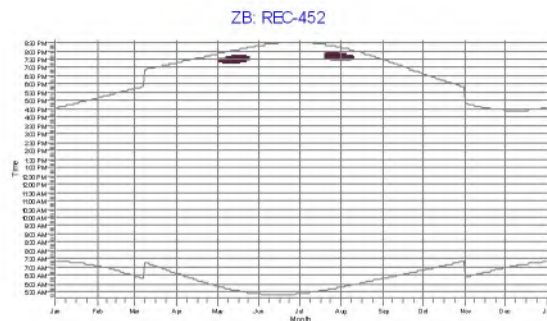
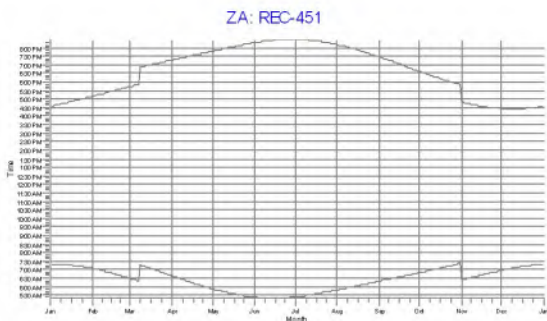
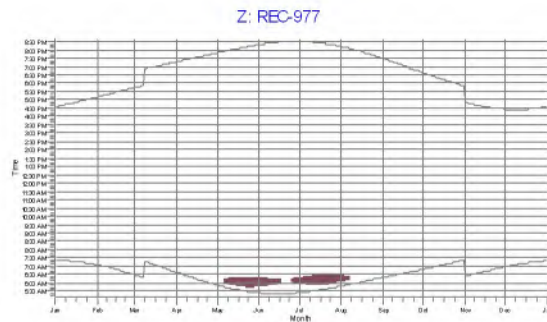
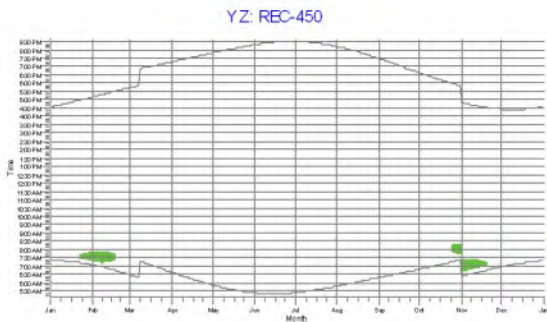
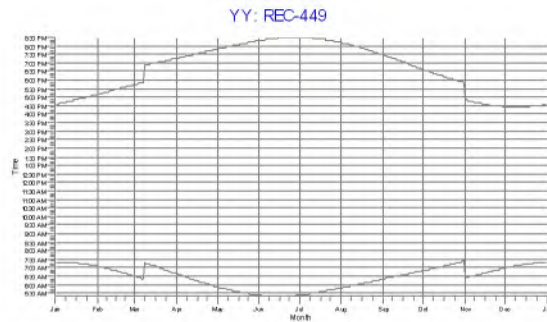
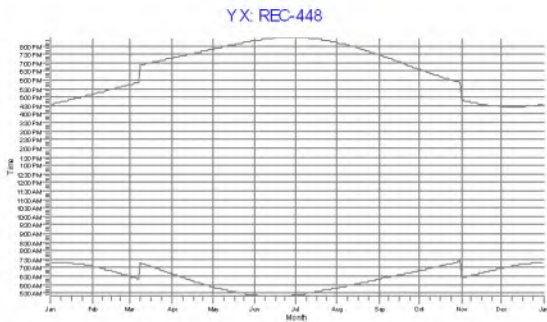
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

79: K13 88: K42 94: K55

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

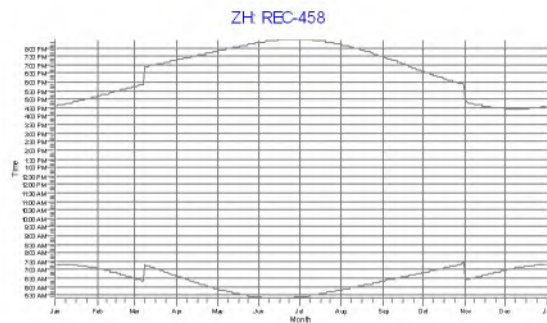
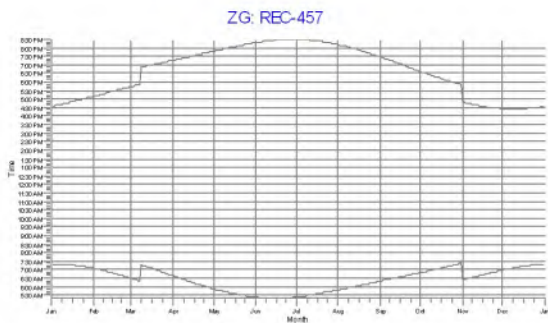
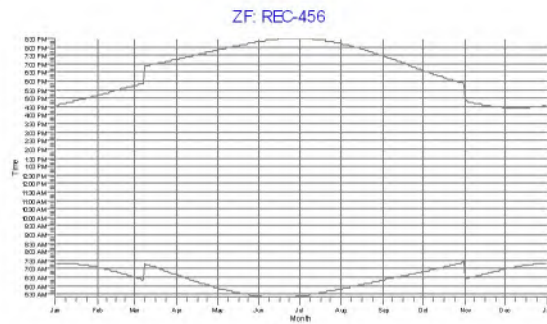
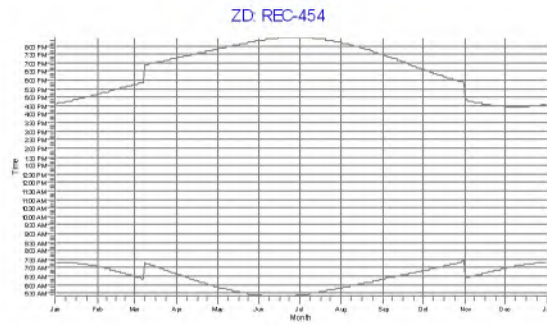
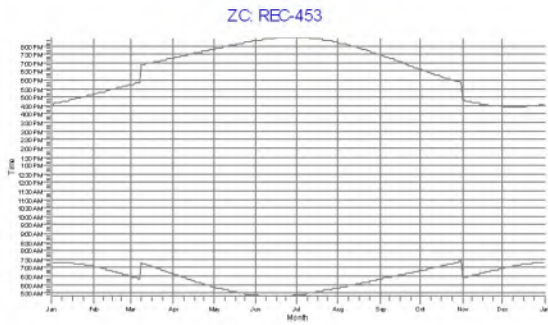
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

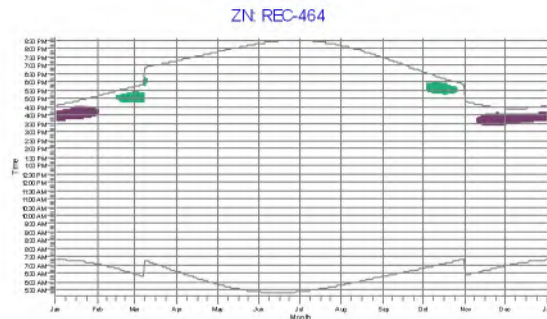
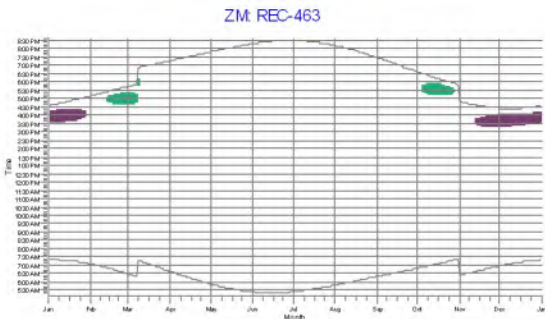
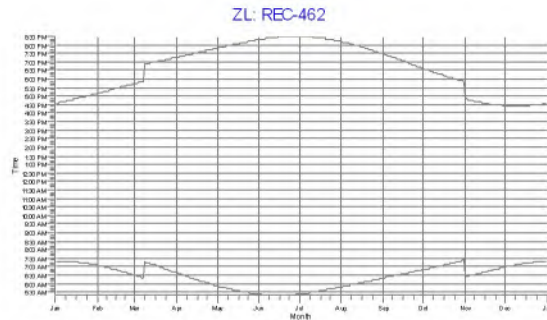
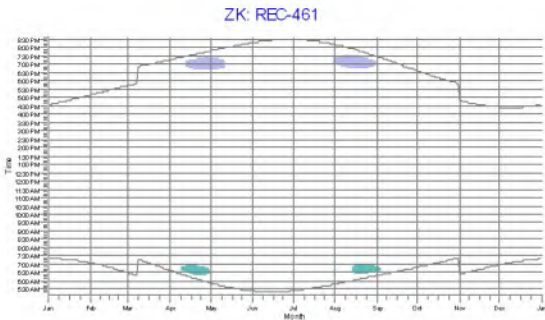
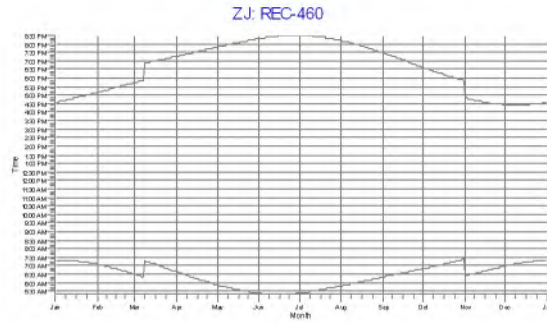
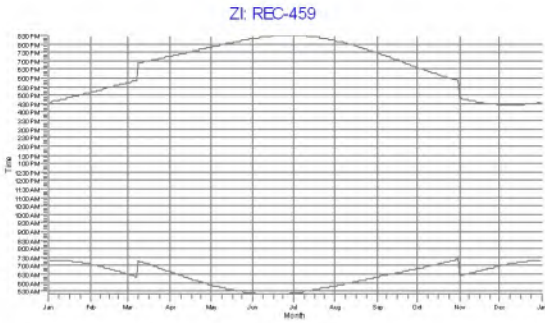
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

92: K501 95: K56 115: K50 116: K51

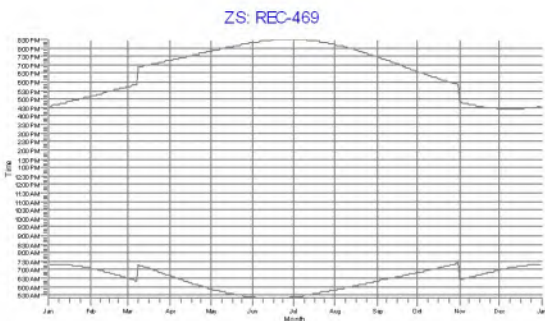
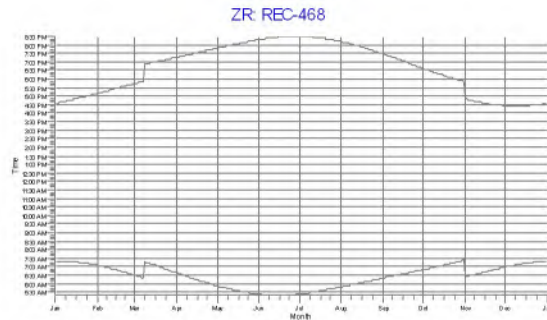
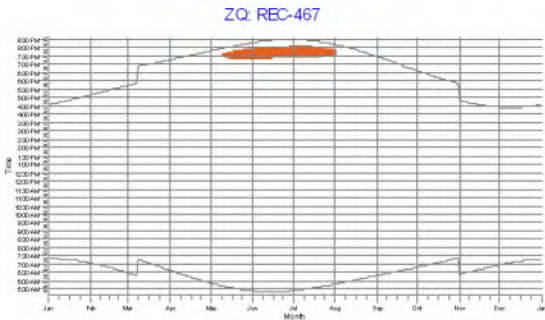
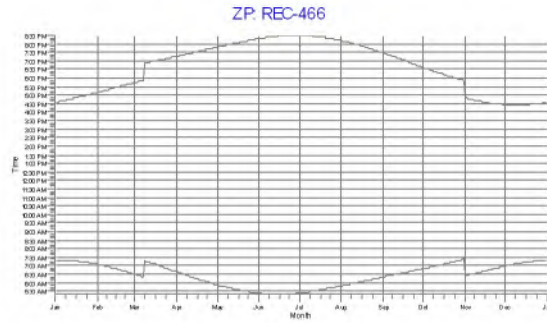
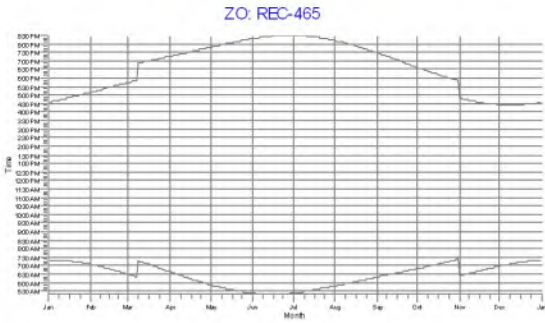
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
128: K48

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

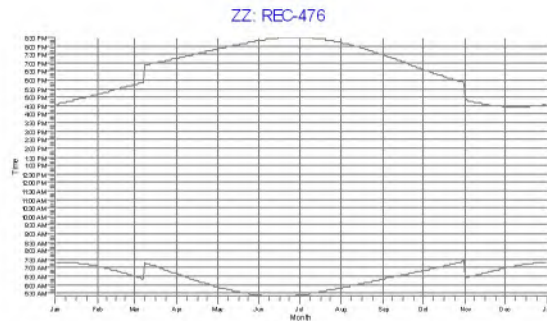
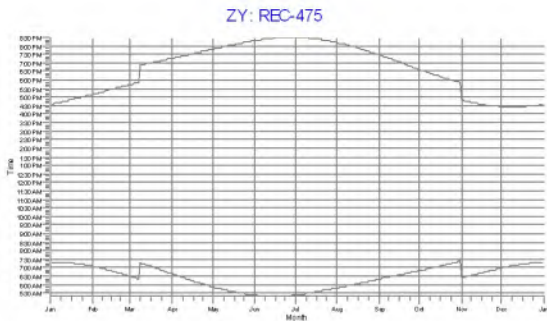
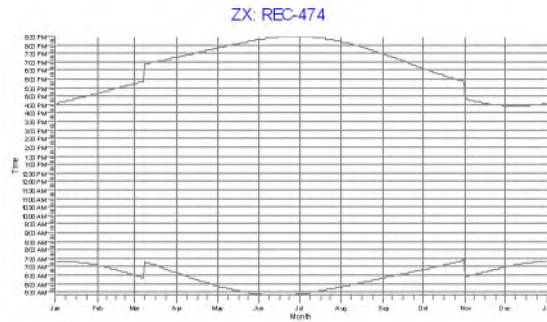
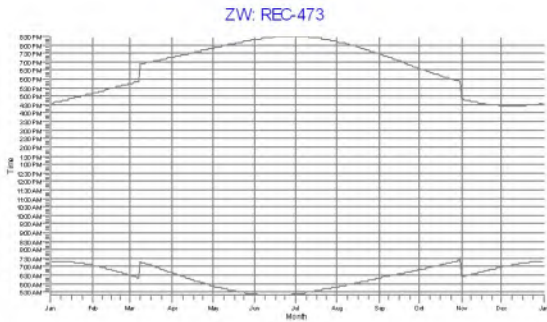
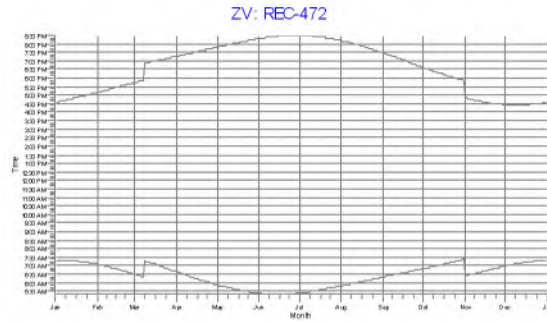
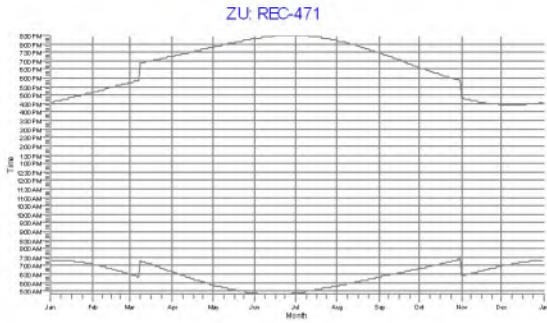
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

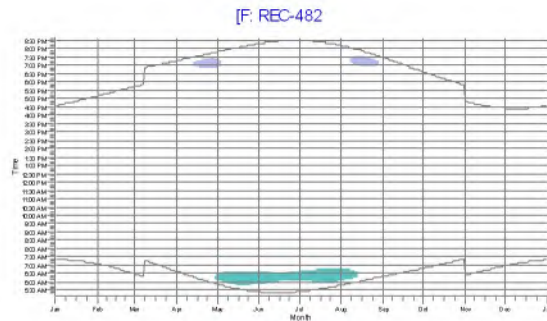
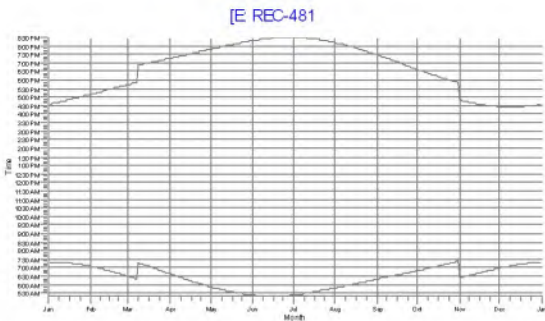
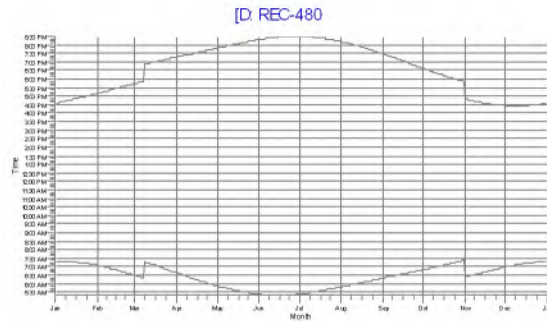
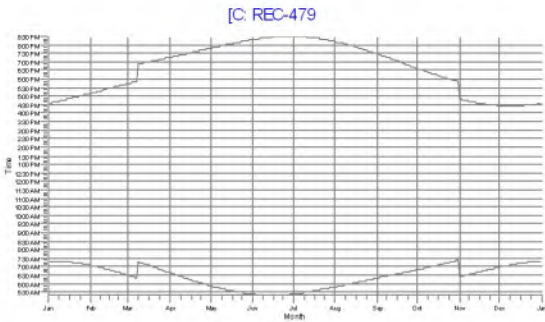
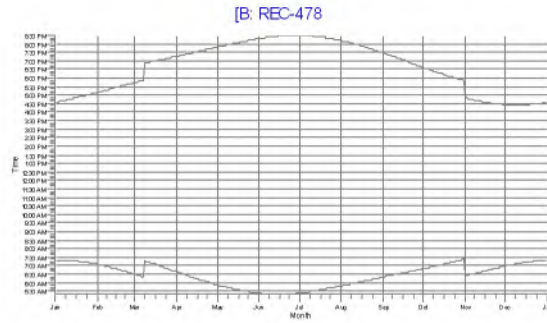
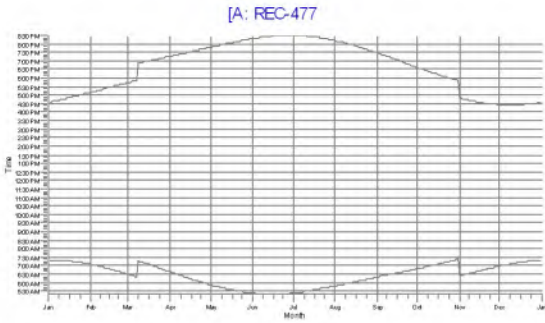
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

95: K56 115: K50

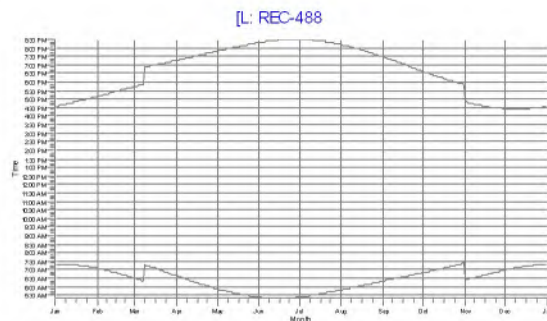
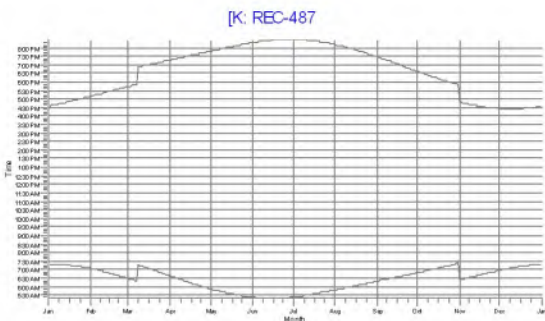
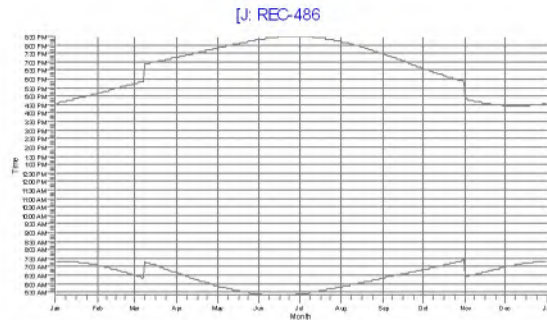
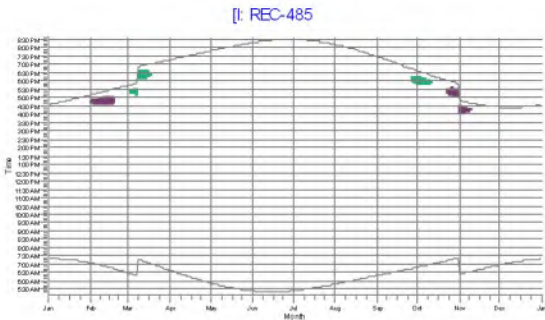
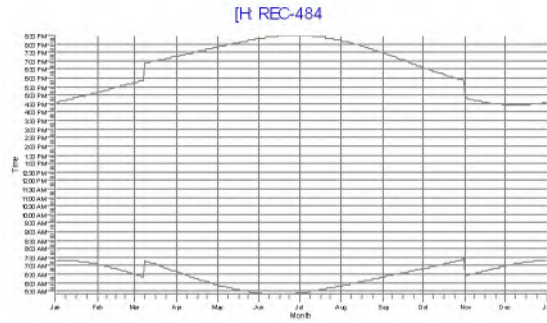
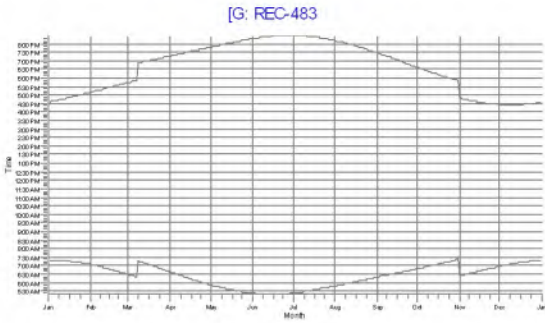
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

92: K501 116: K51

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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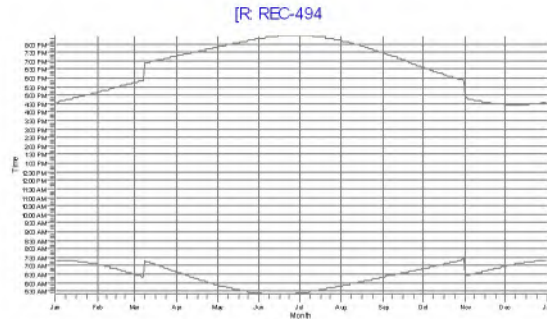
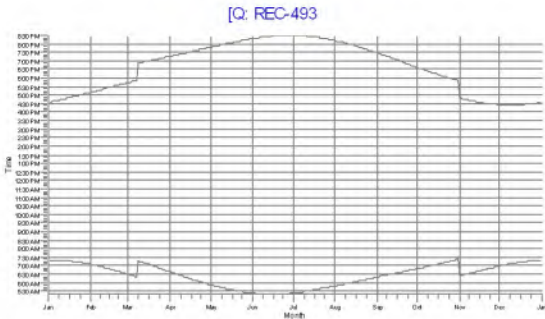
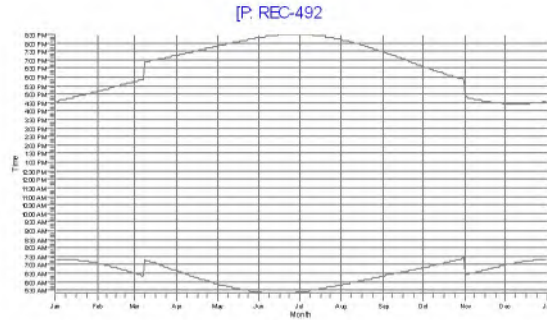
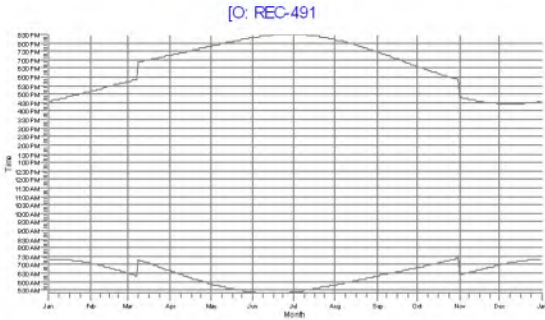
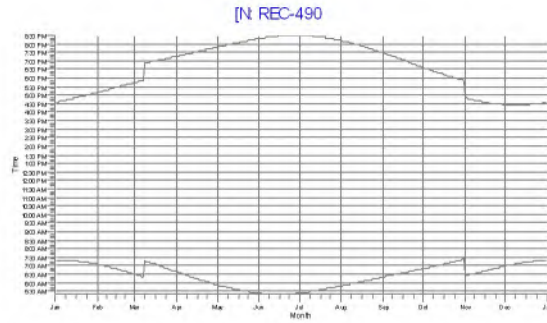
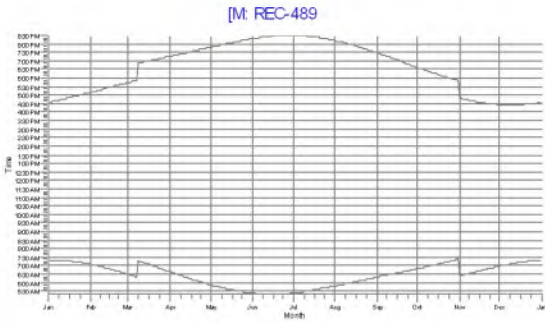
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Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

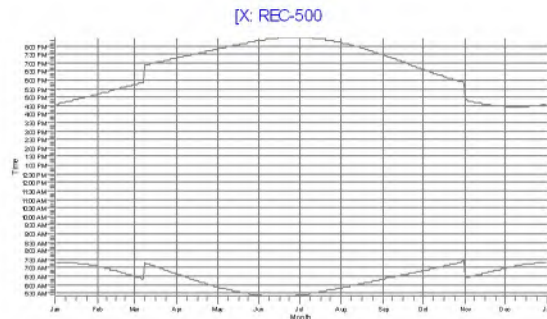
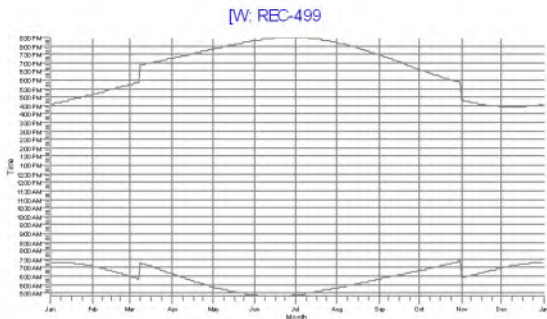
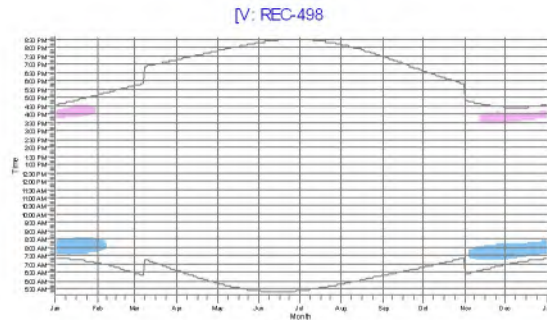
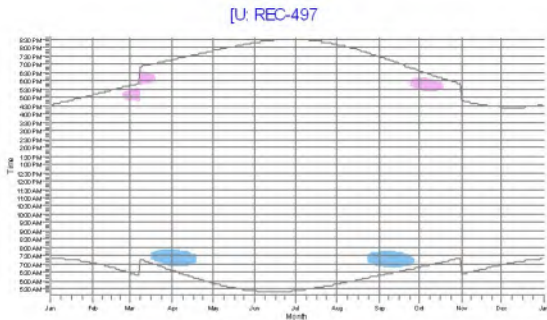
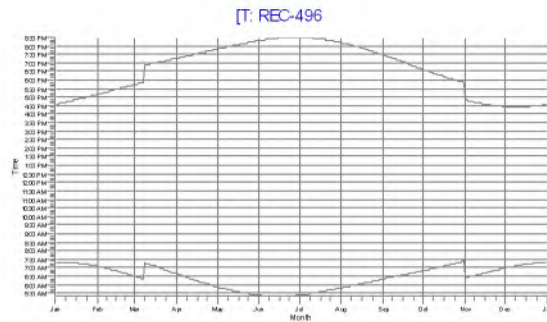
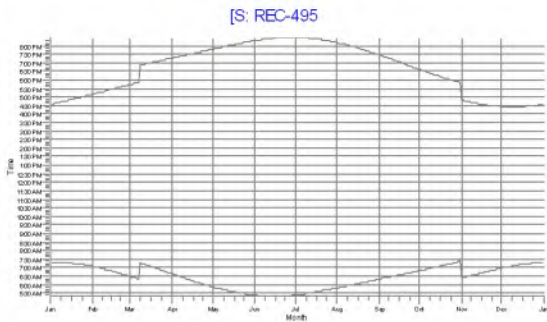
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
114: K94 117: K57

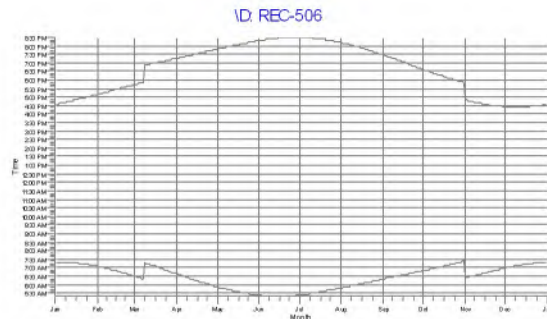
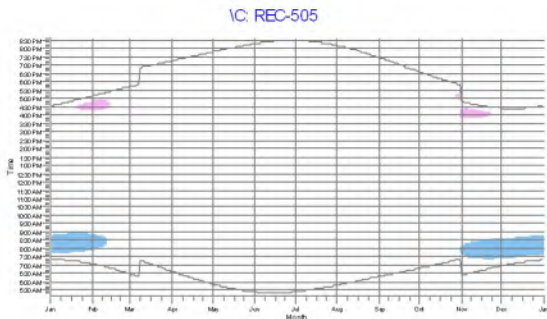
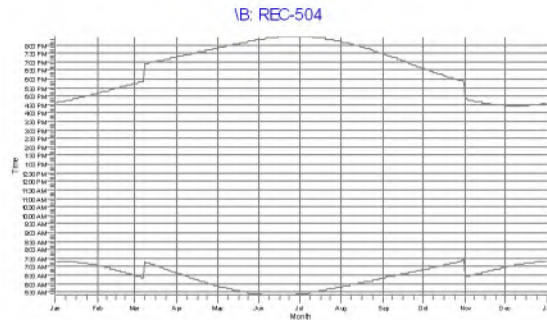
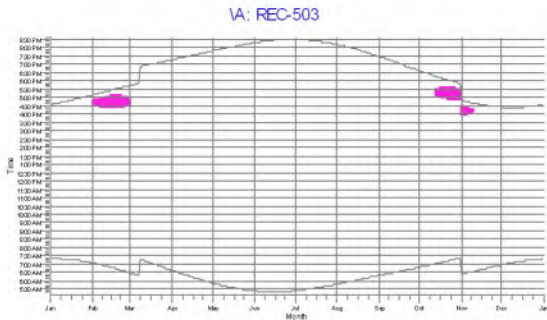
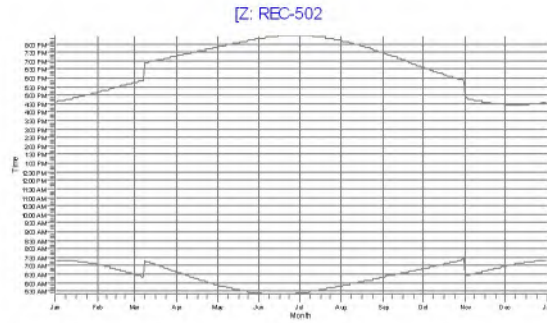
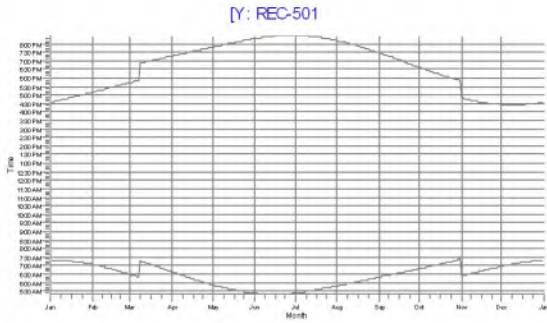
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 93: K54
 114: K94
 117: K57

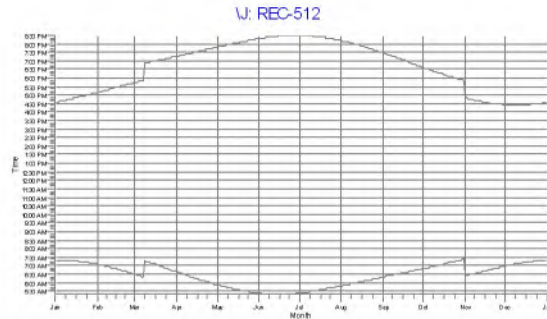
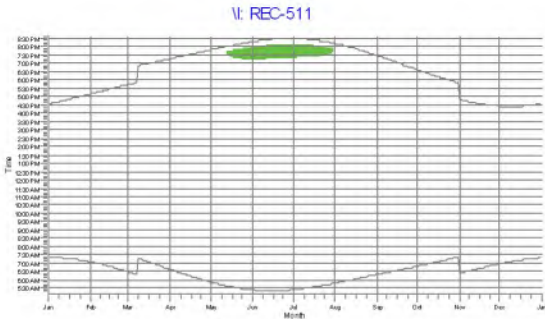
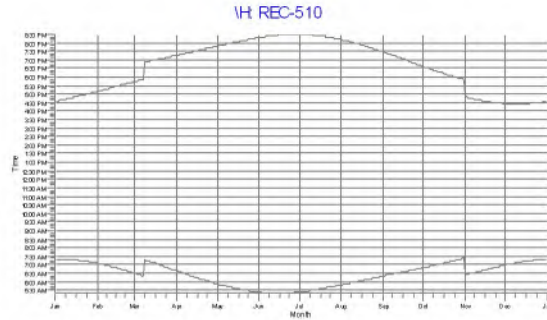
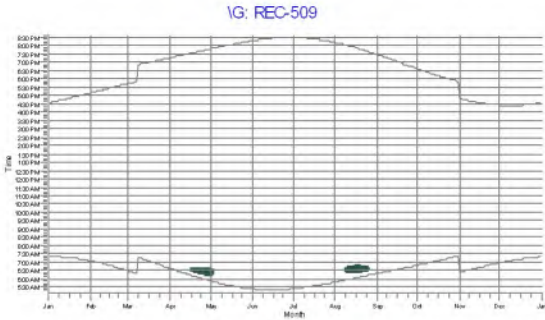
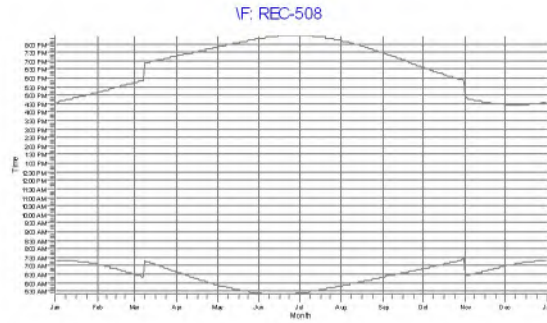
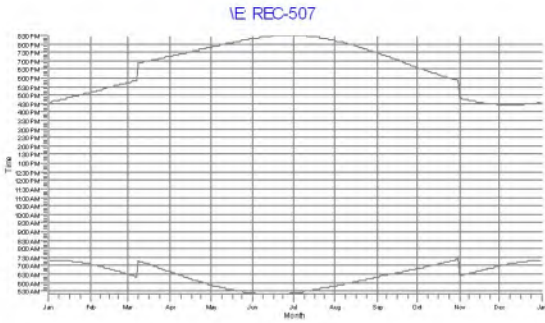
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
94: K55 96: K60

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

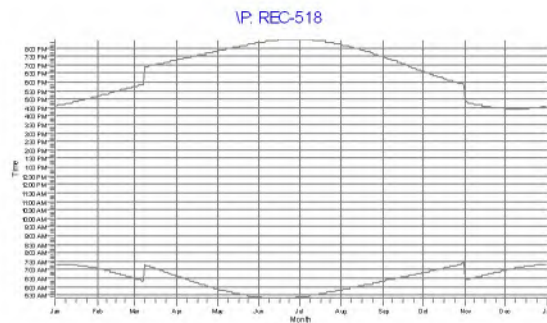
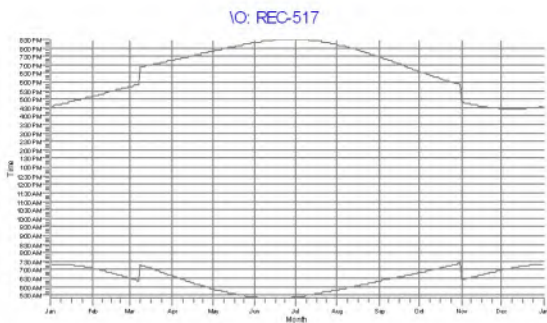
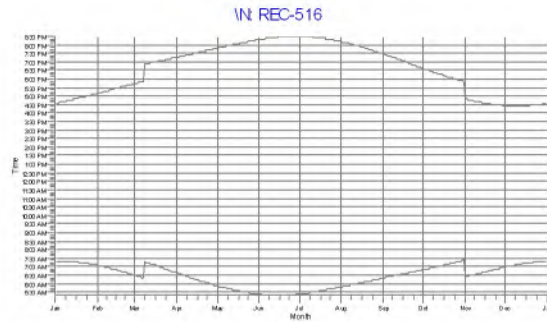
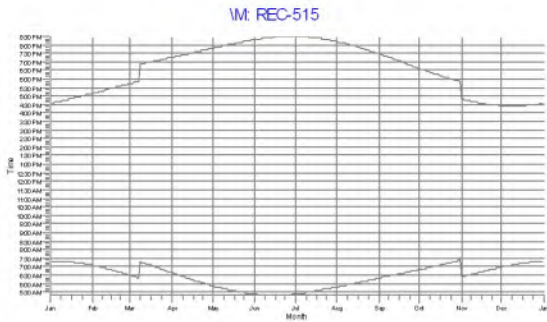
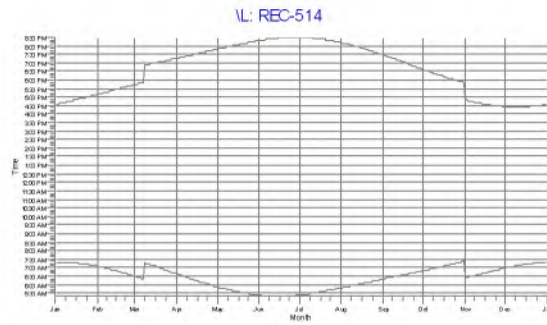
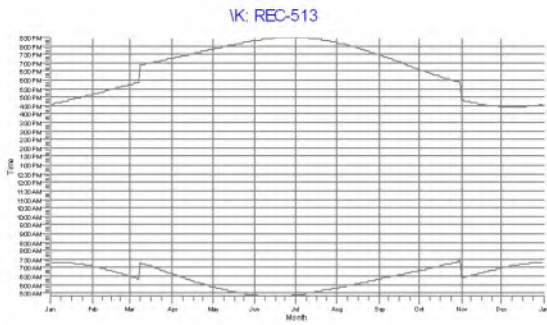
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

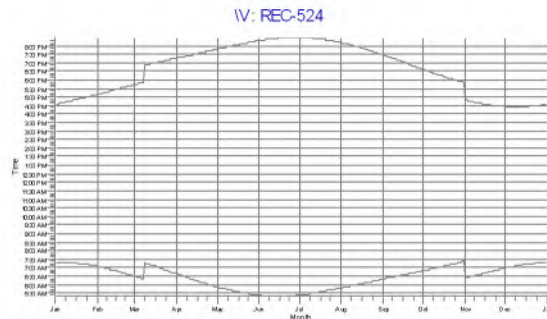
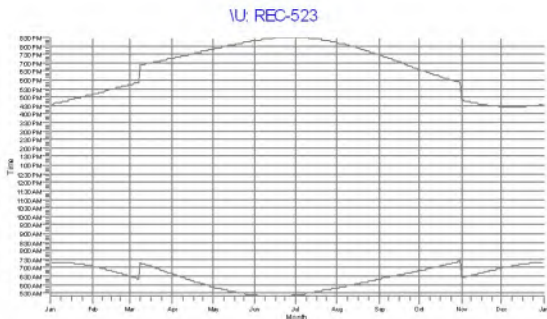
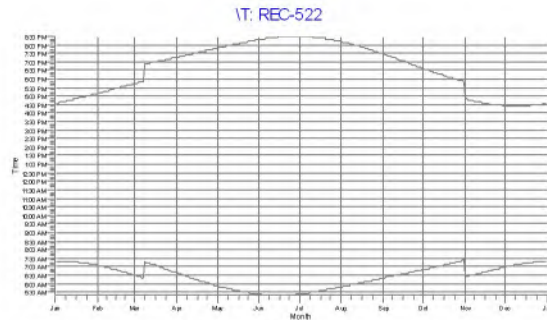
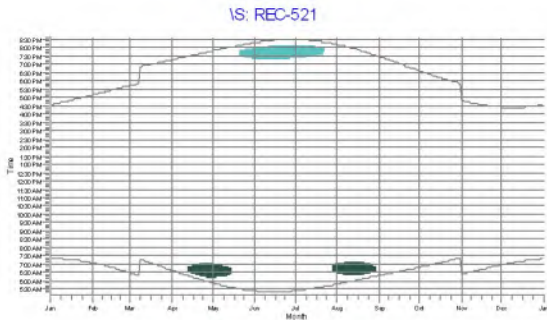
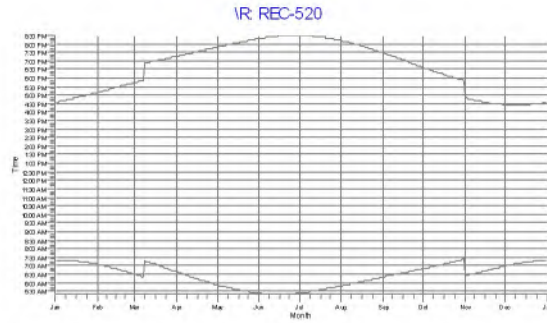
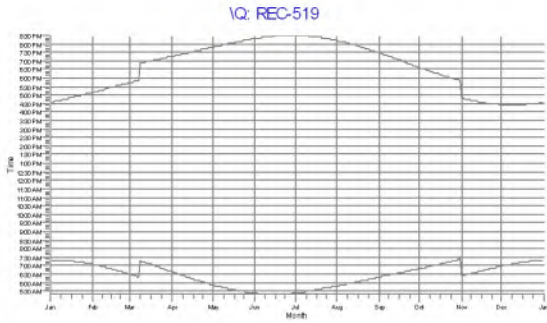
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

95: K56 96: K60

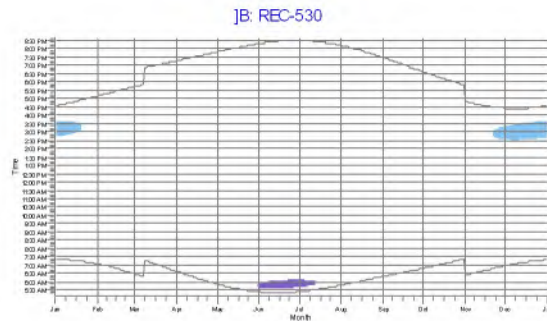
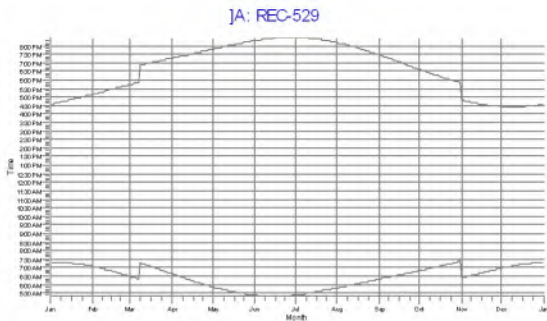
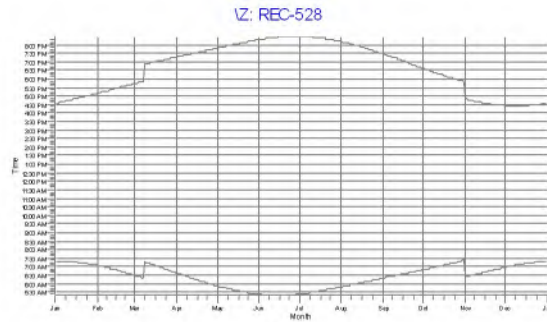
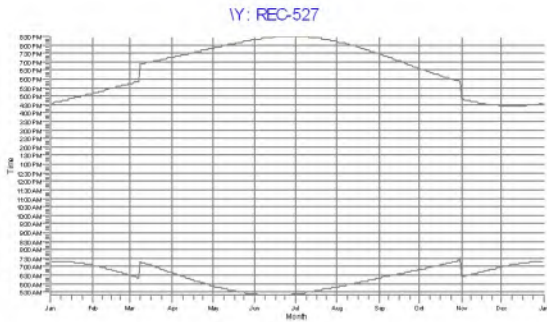
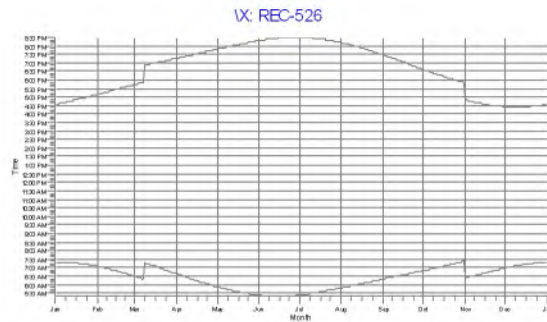
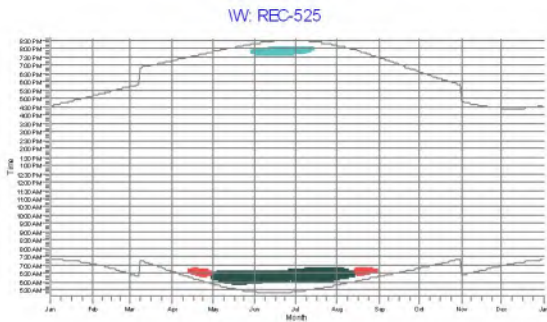
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

95: K56 96: K60 97: K61 98: K62 117: K57

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

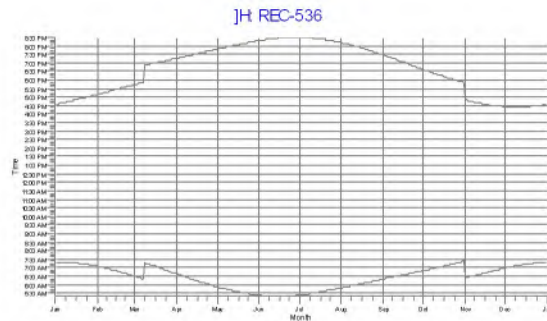
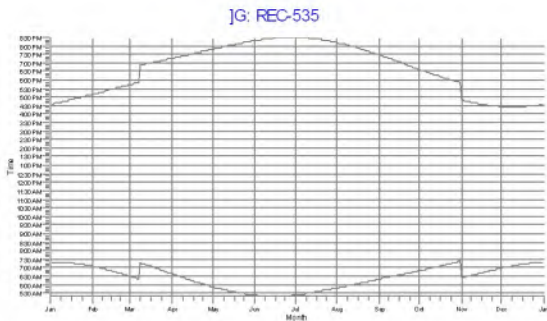
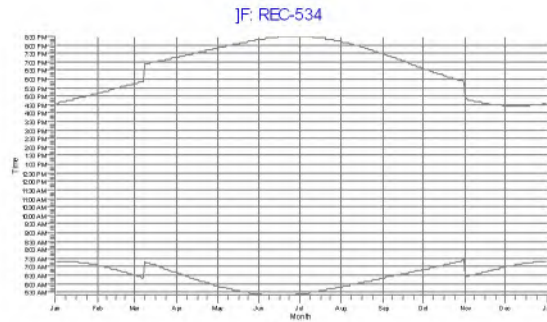
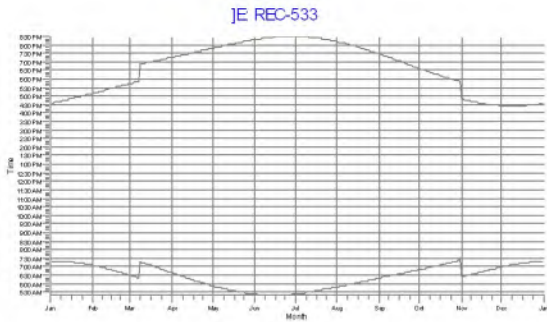
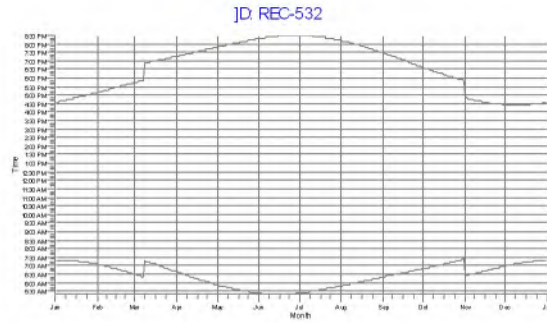
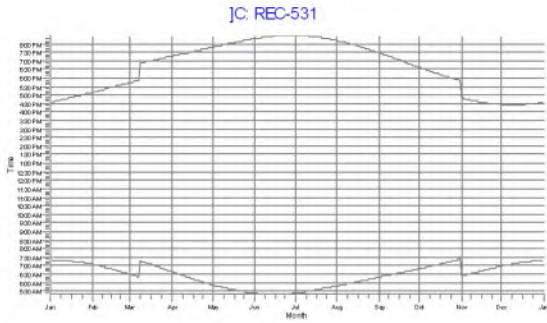
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

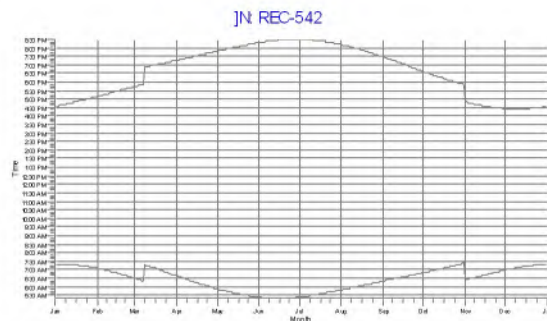
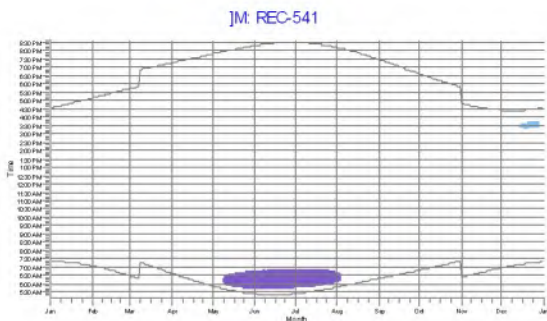
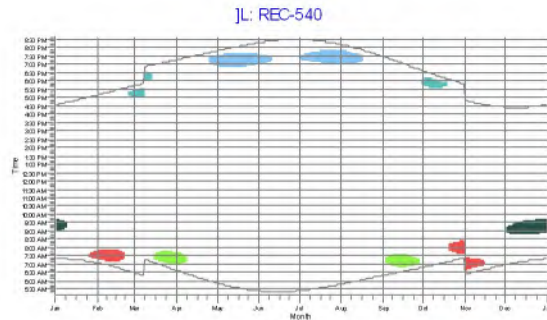
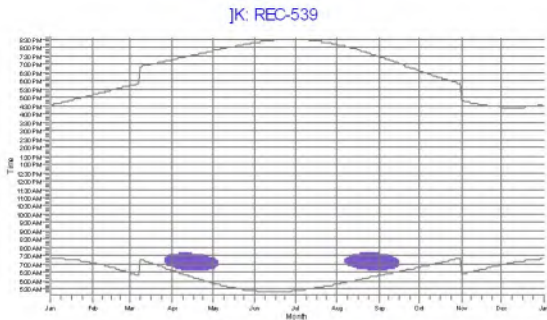
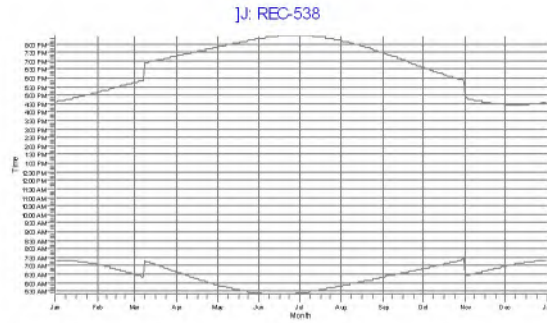
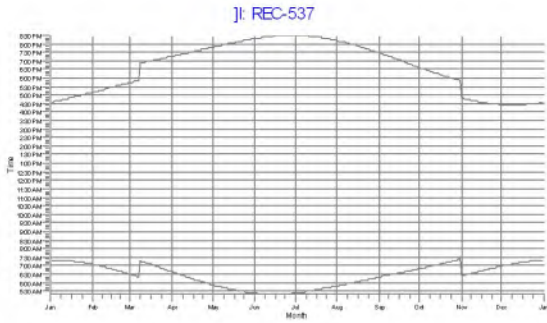
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

95: K56 96: K60 97: K61 98: K62 117: K57 118: K98

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

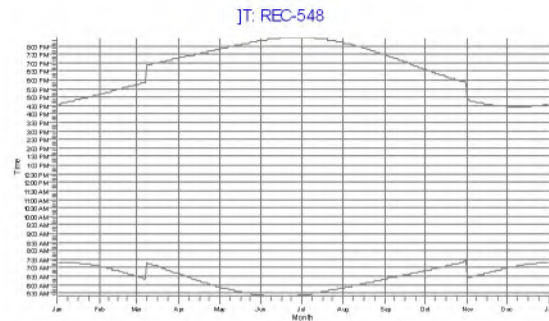
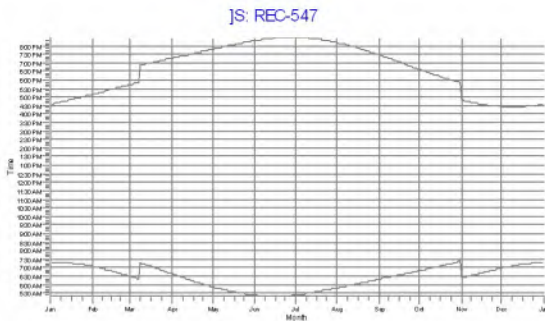
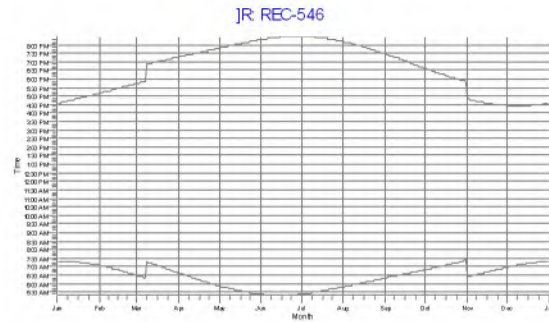
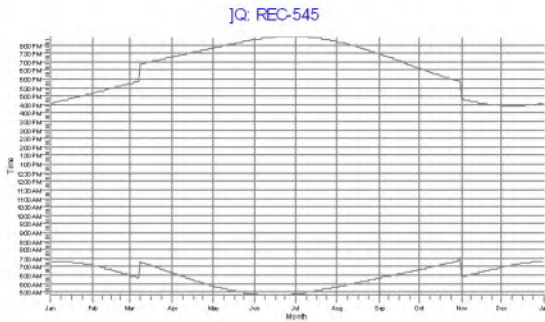
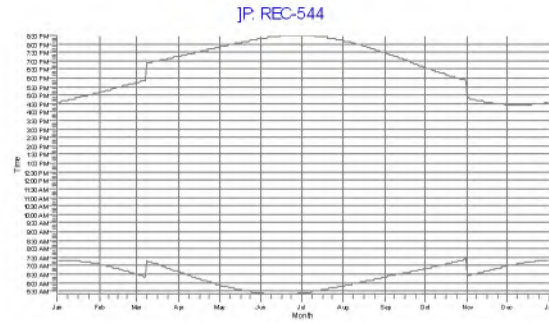
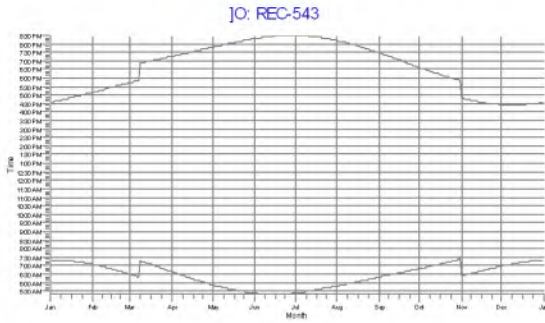
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Calculated:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

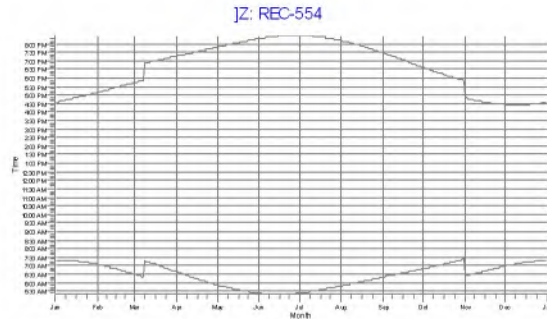
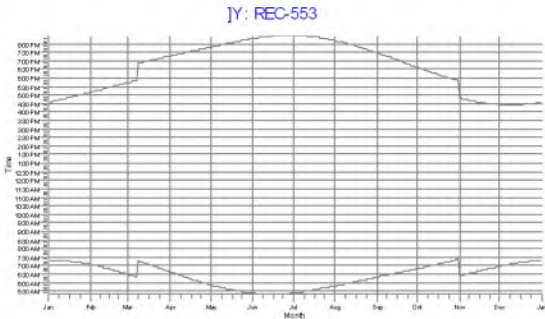
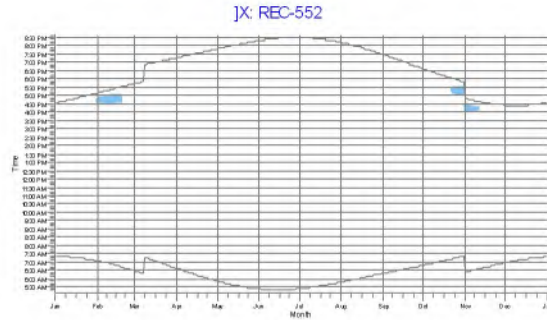
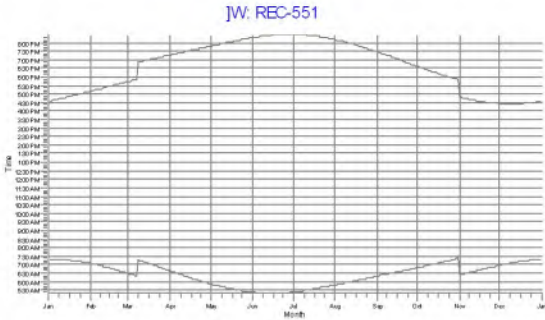
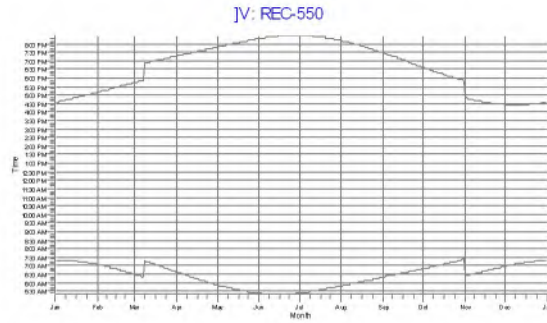
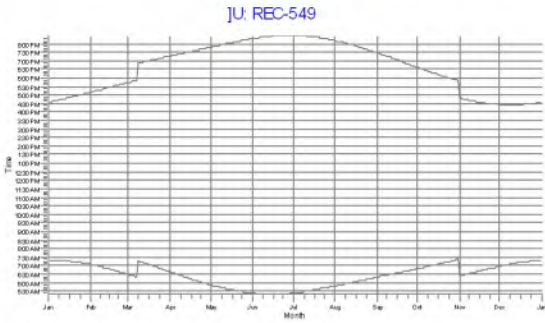
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
117: K57

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

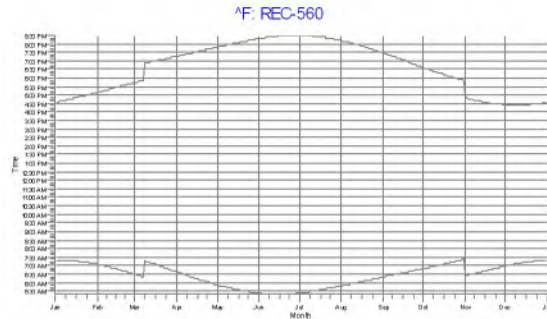
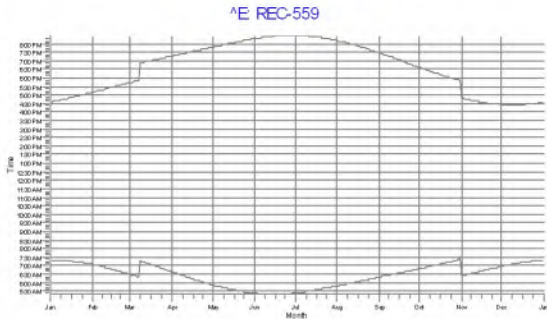
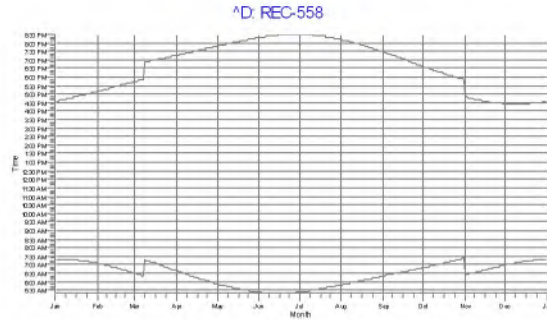
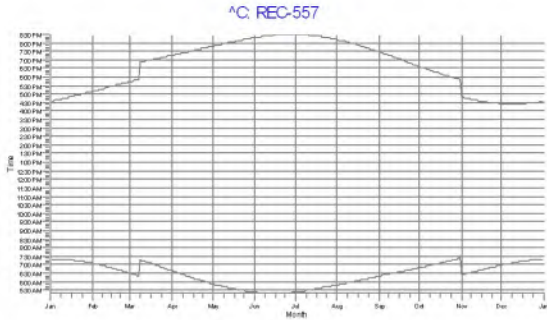
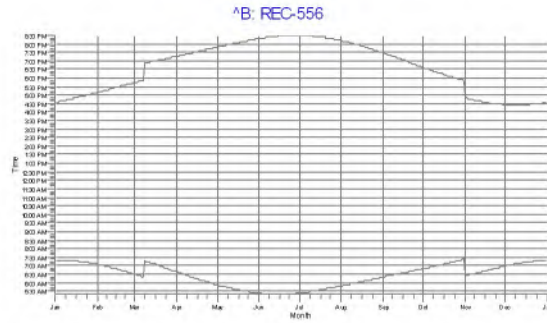
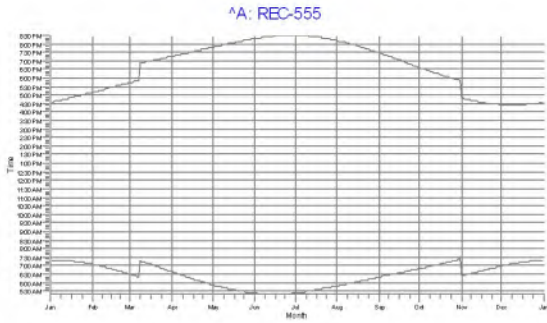
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Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

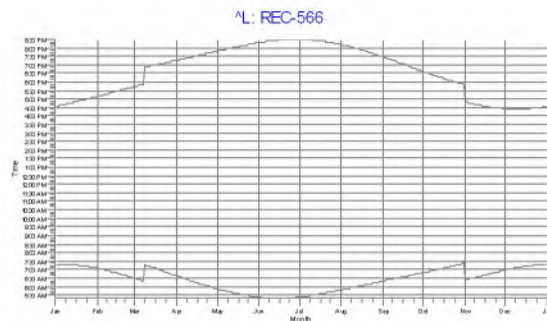
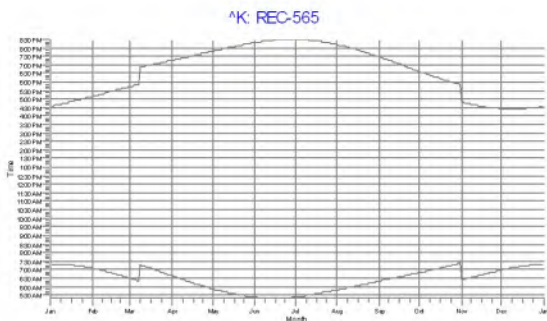
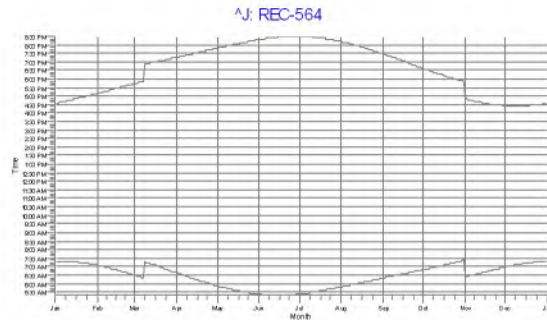
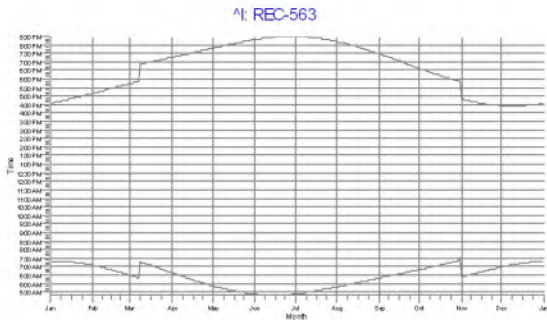
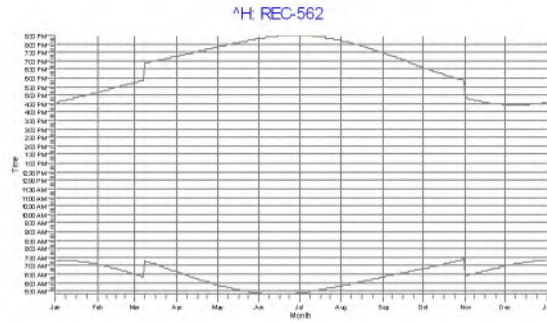
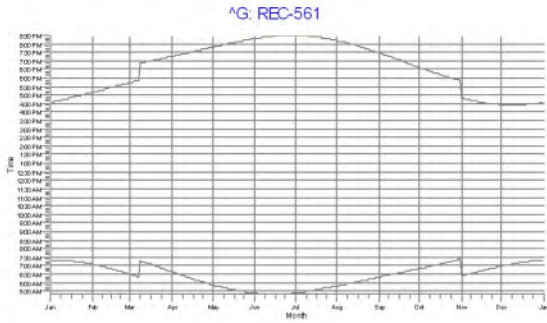
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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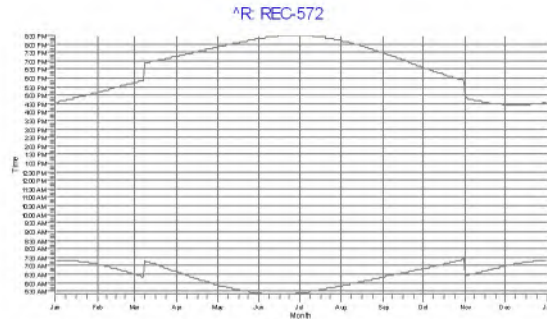
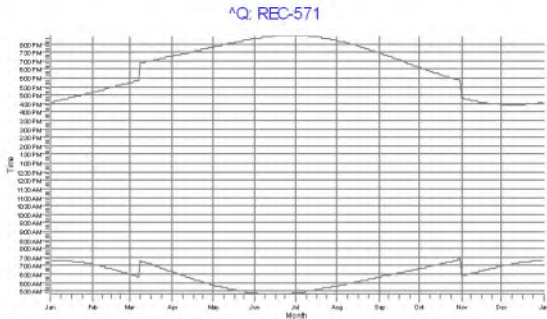
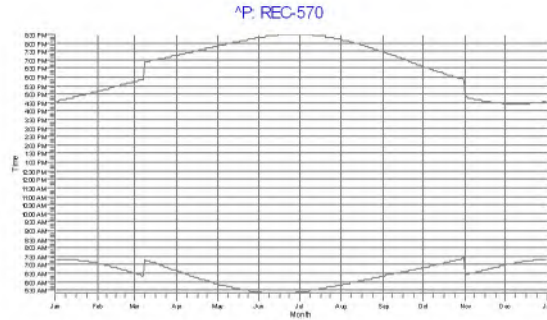
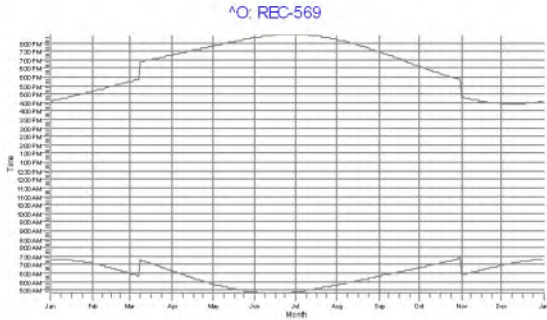
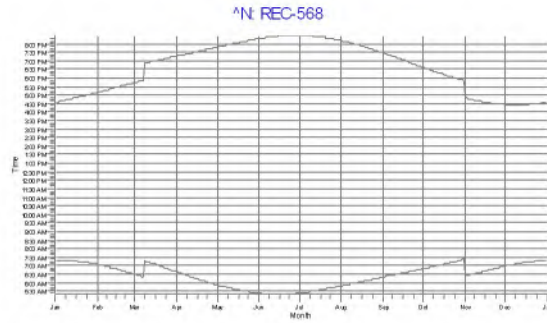
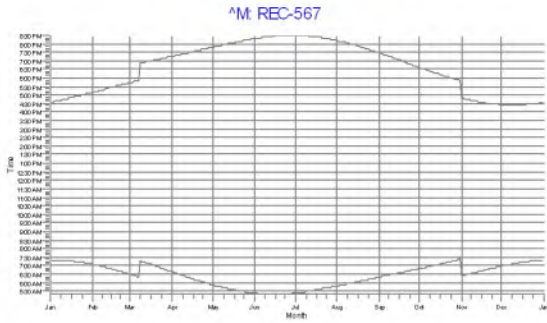
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

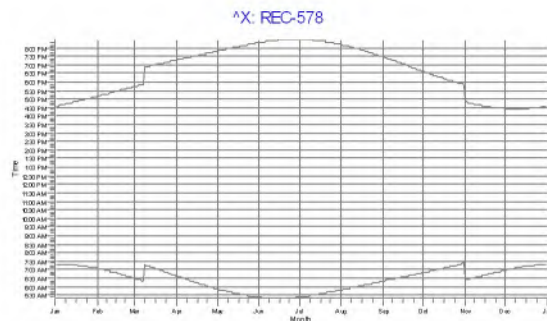
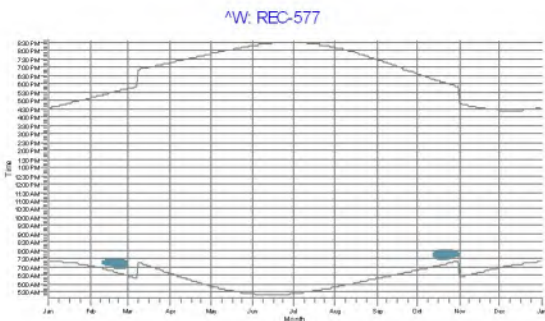
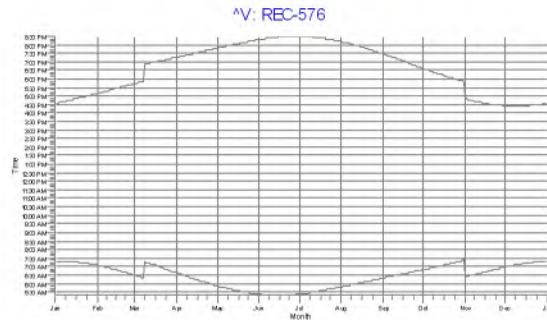
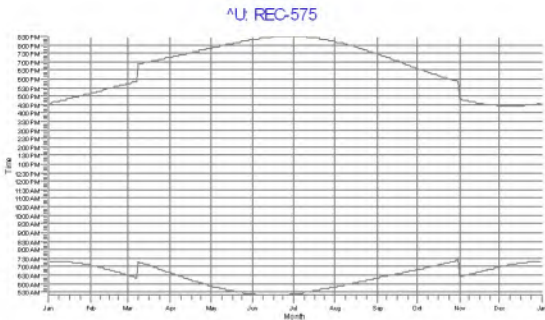
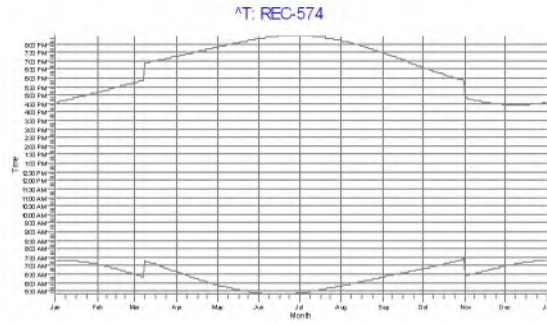
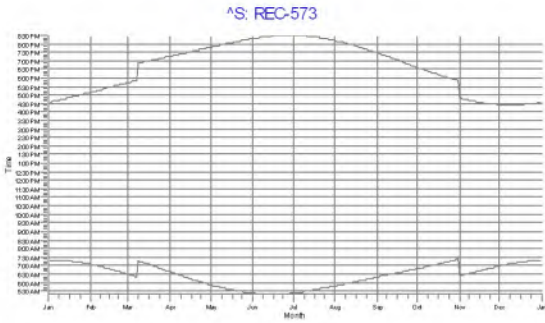
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
99: K66

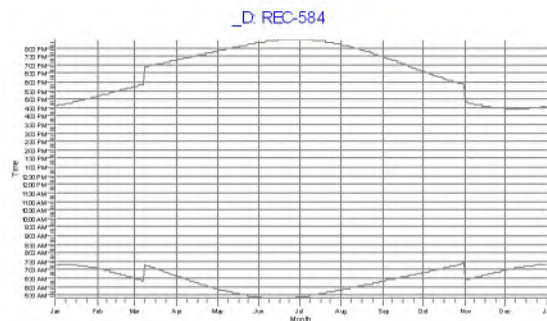
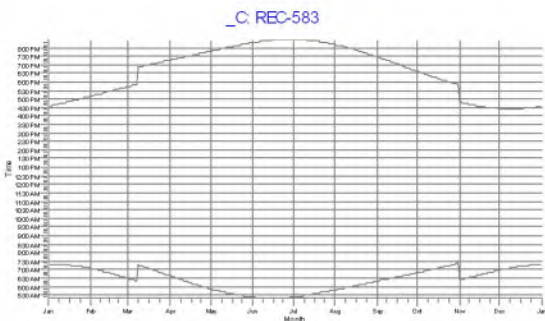
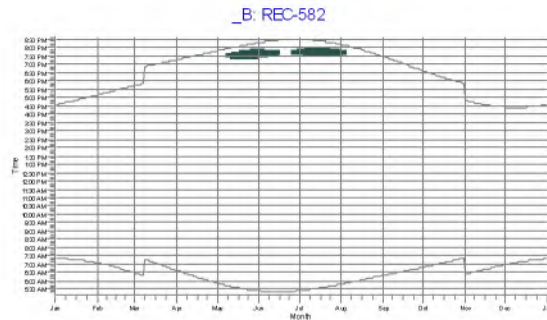
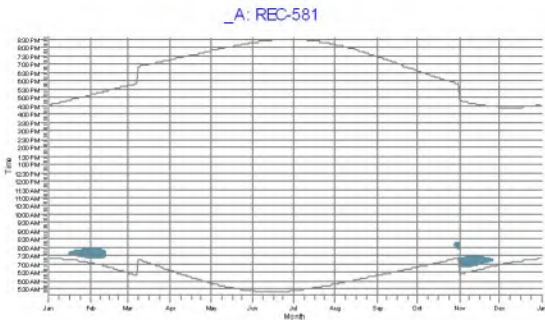
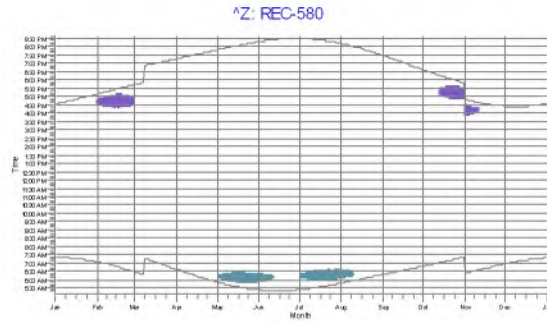
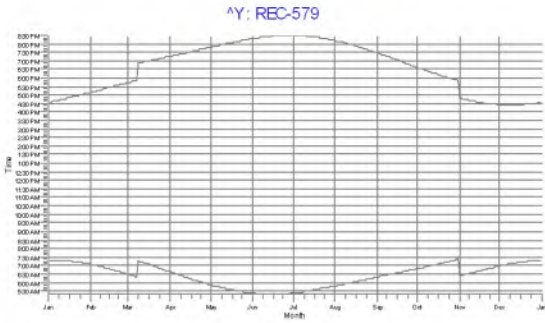
Project:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

96: K60 97: K61 99: K66

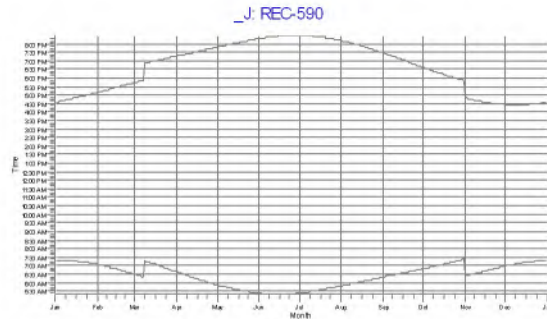
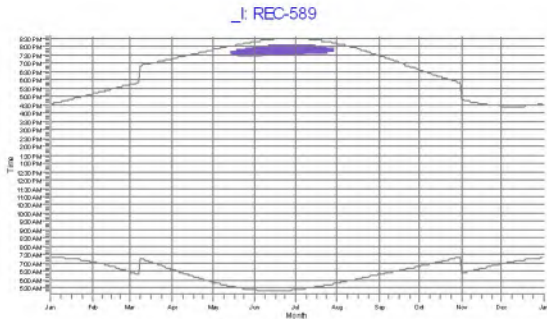
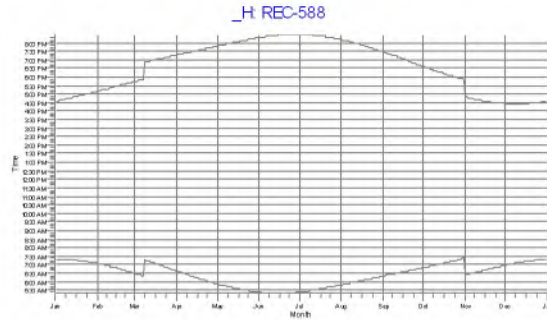
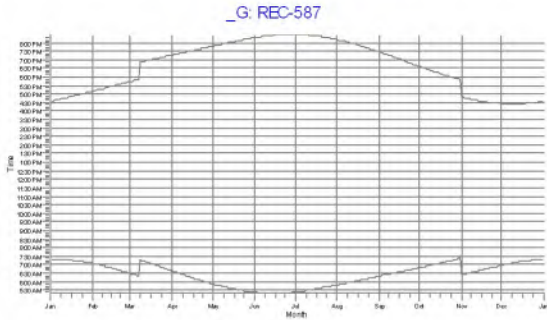
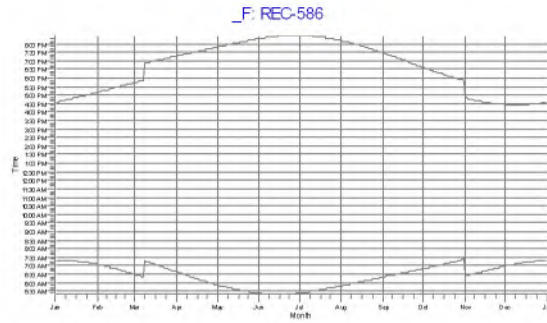
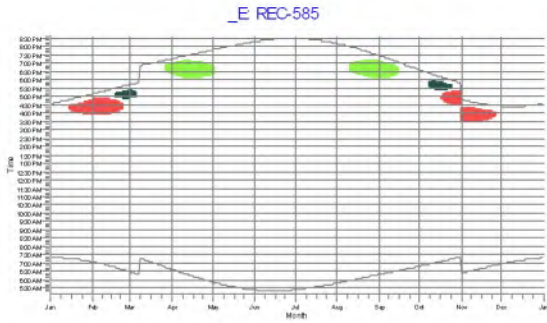
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 96: K60
 97: K61
 98: K62
 118: K98

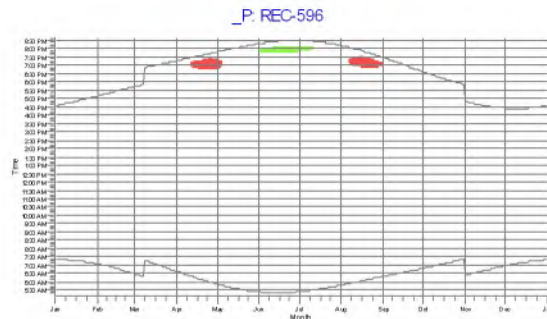
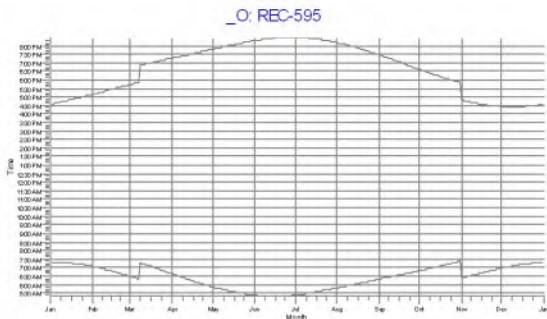
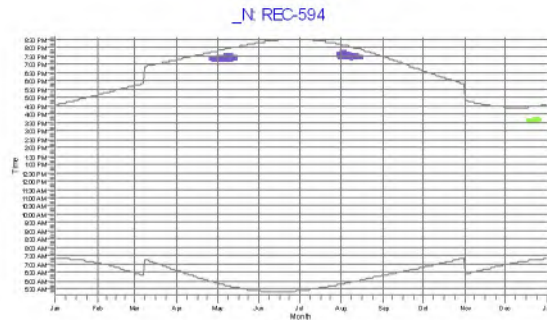
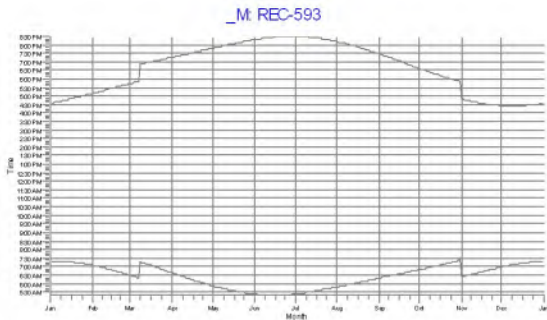
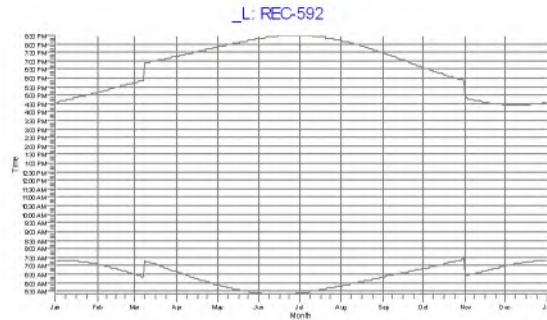
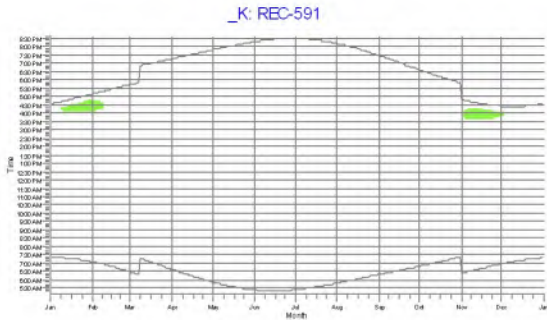
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 97: K61 ■ 98: K62 ■ 118: K98

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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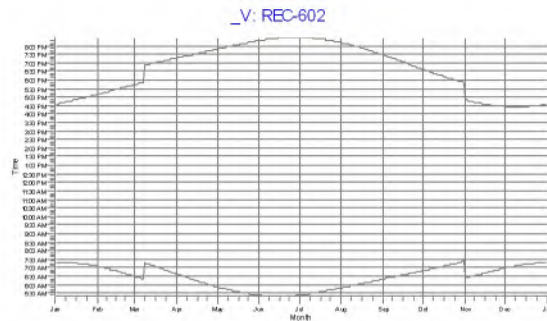
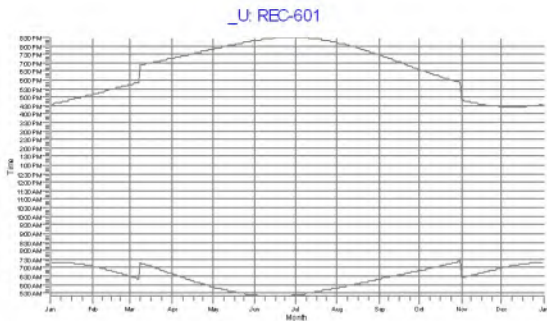
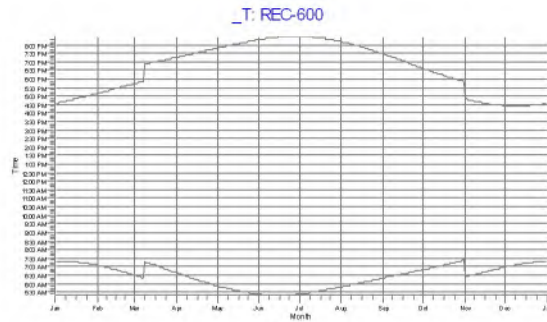
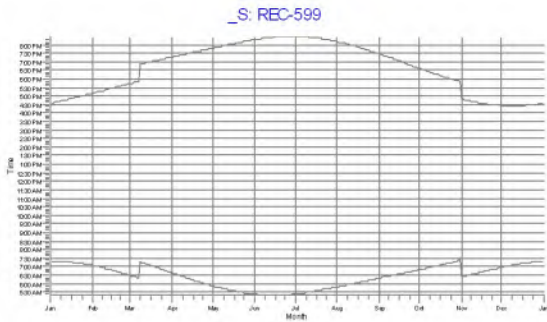
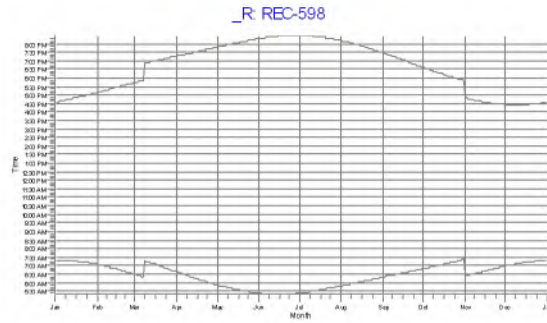
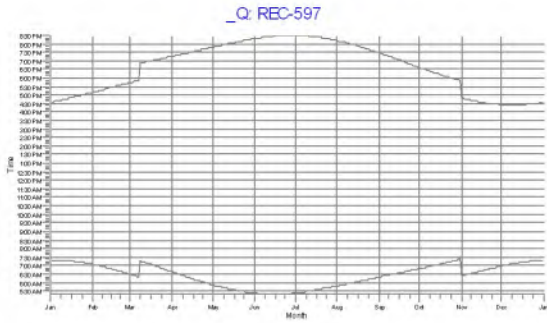
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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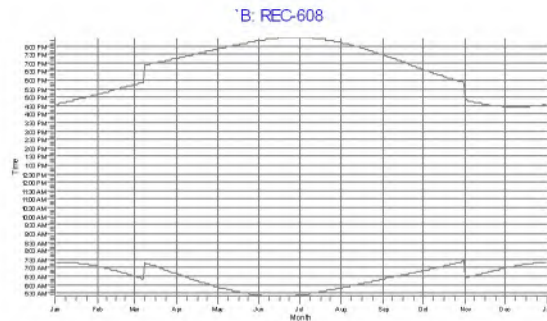
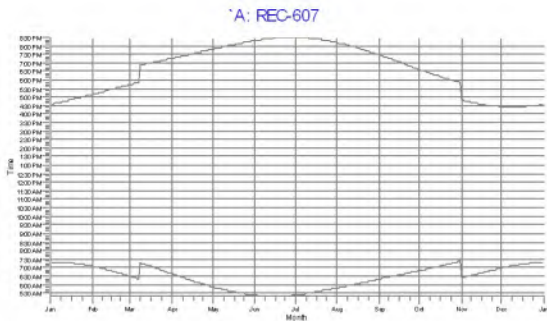
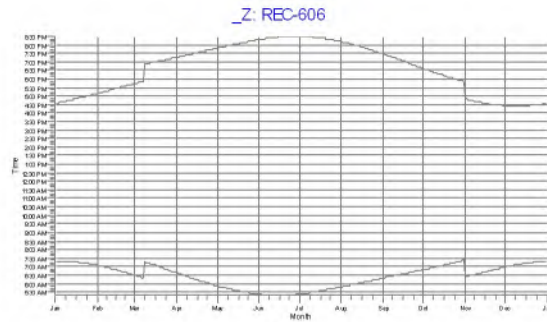
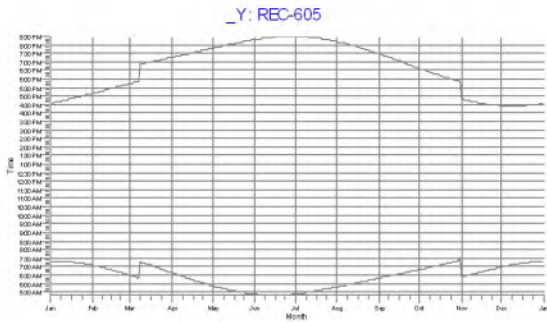
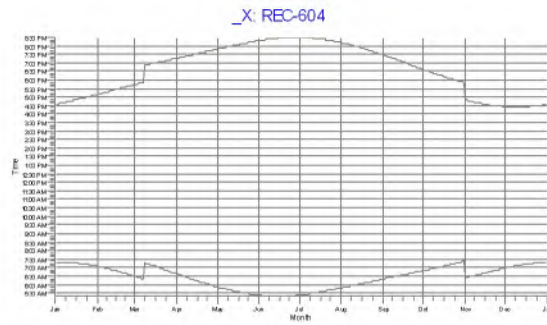
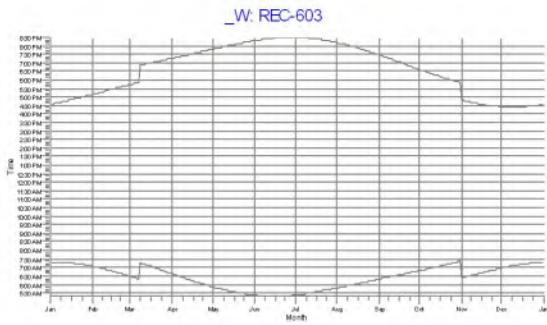
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

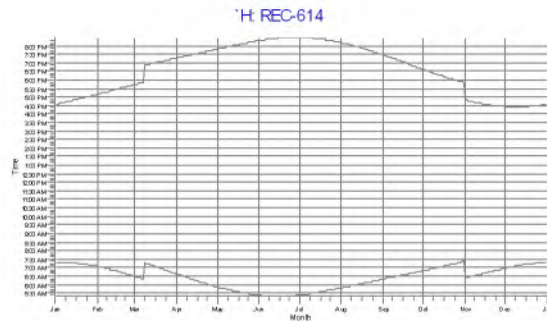
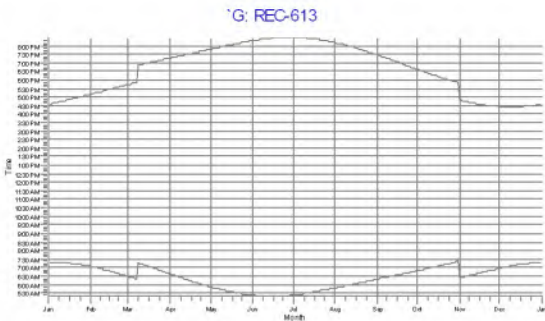
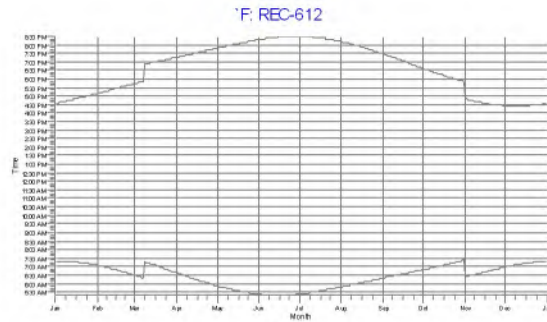
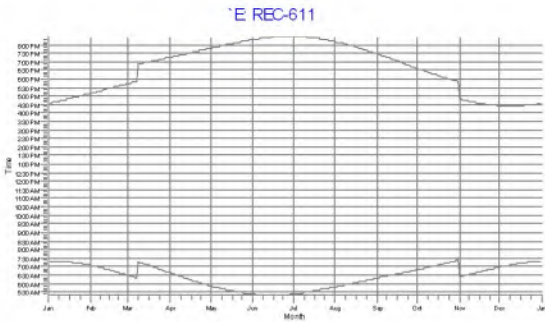
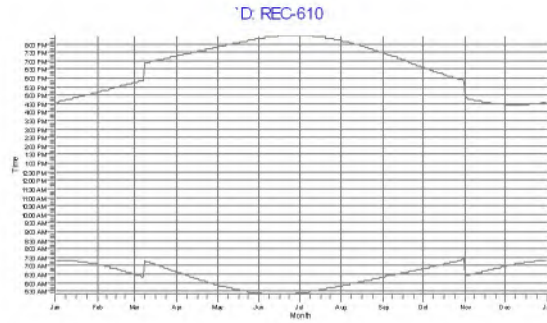
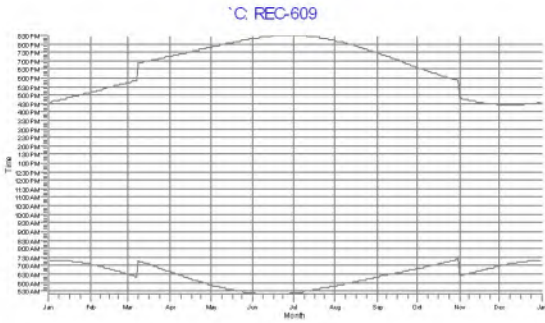
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

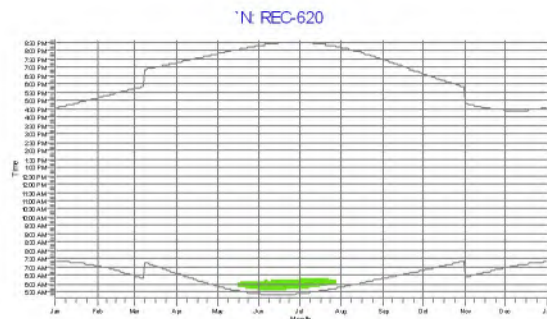
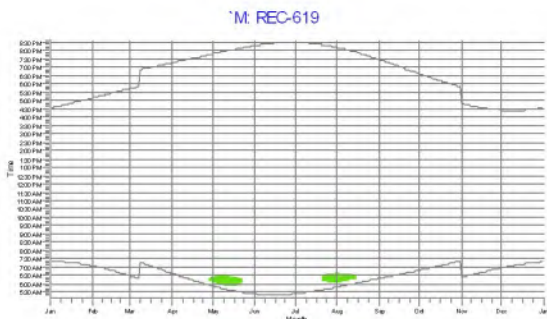
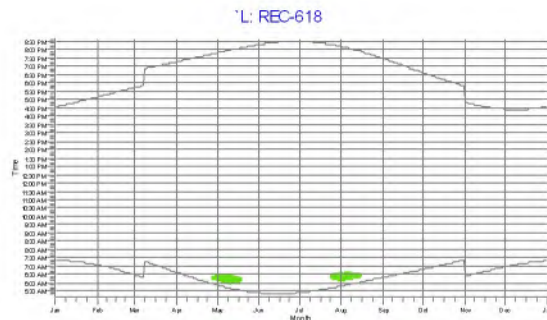
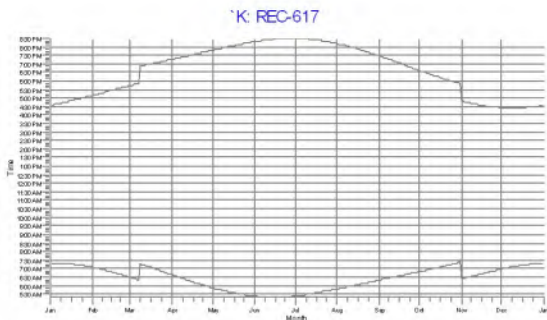
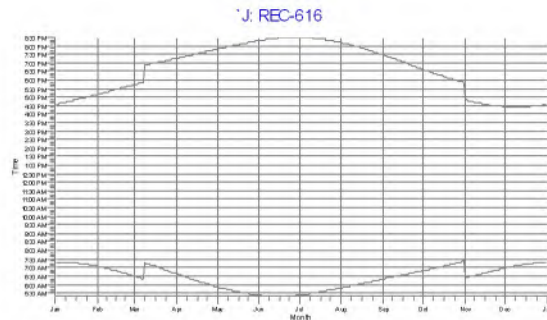
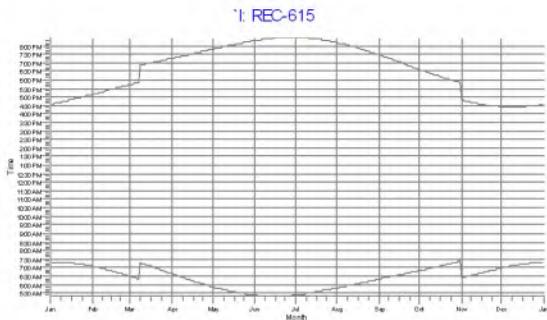
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
119: K99

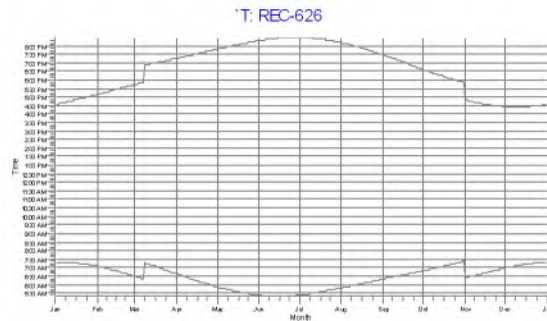
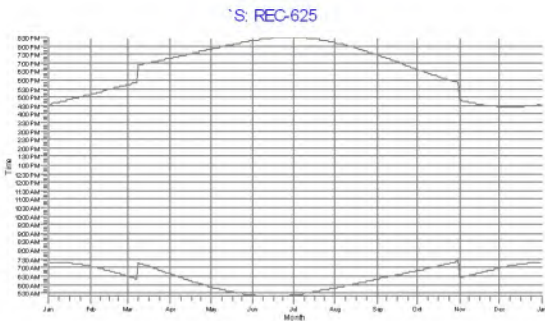
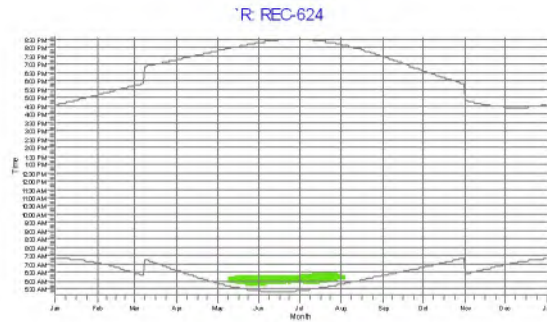
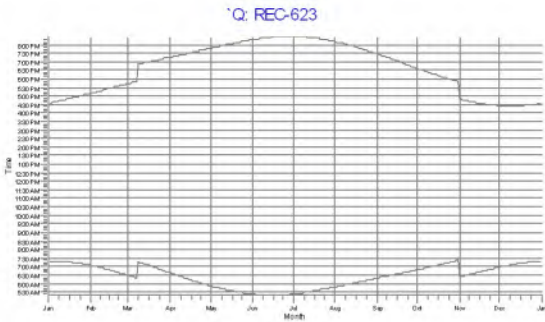
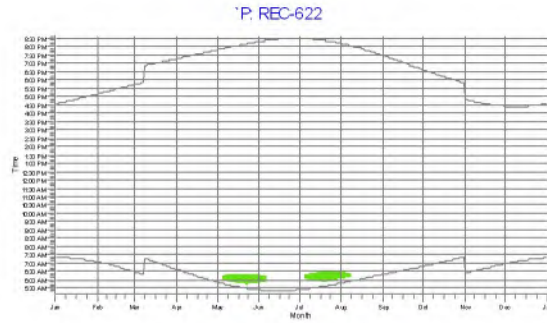
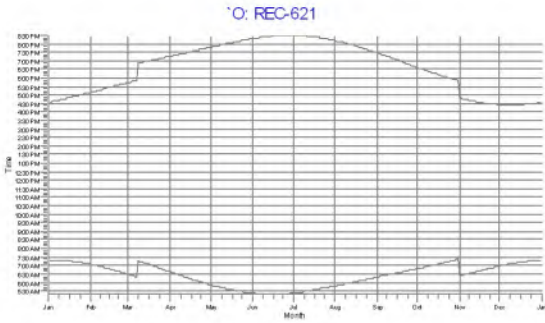
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
119: K99

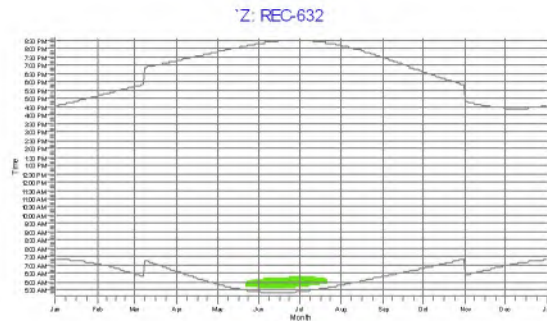
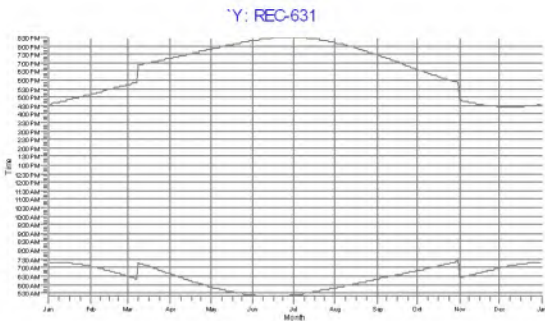
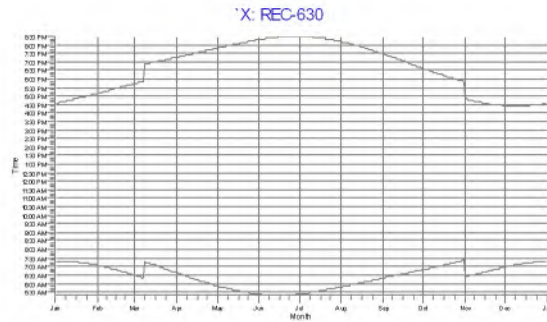
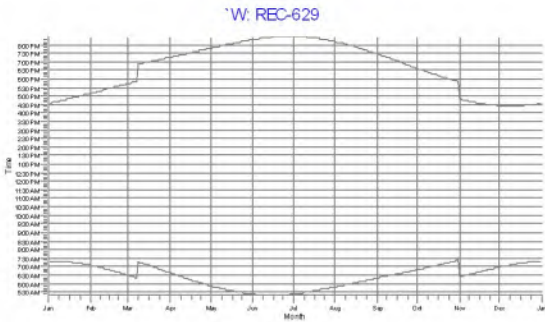
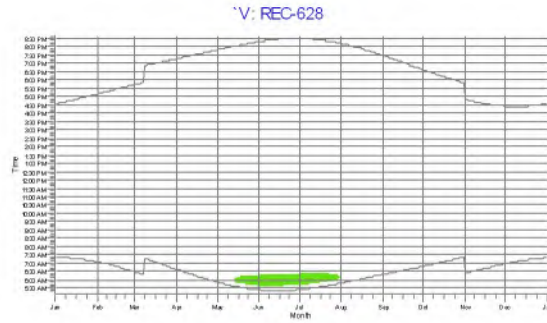
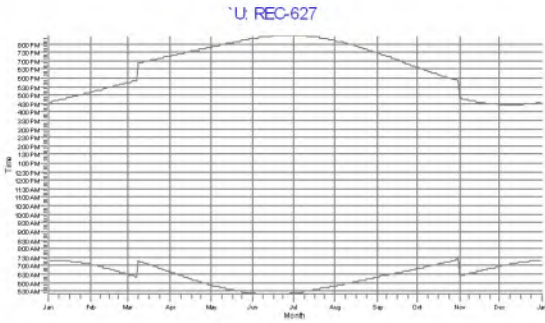
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
119: K99

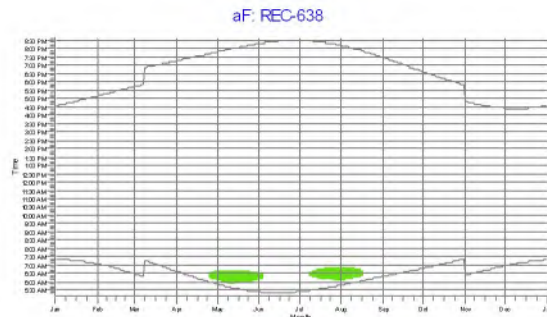
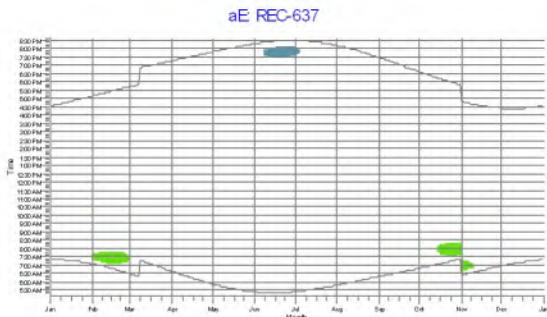
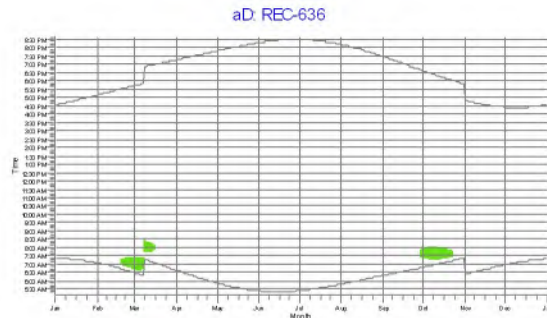
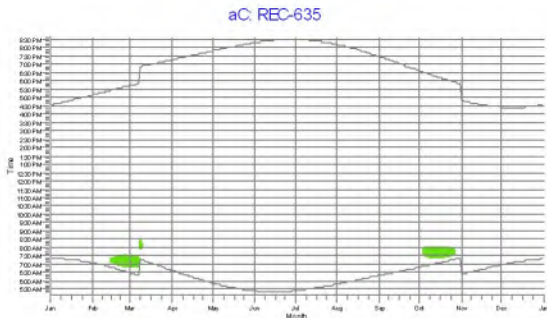
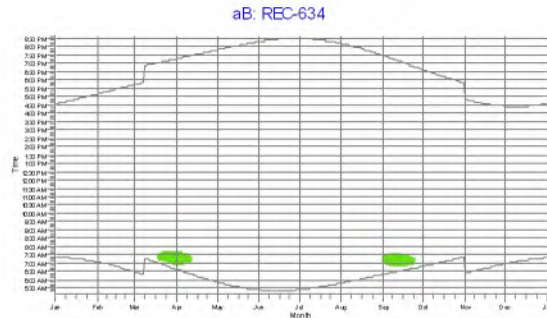
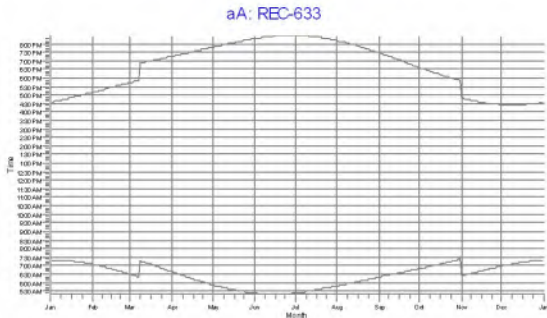
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
99: K66 119: K99

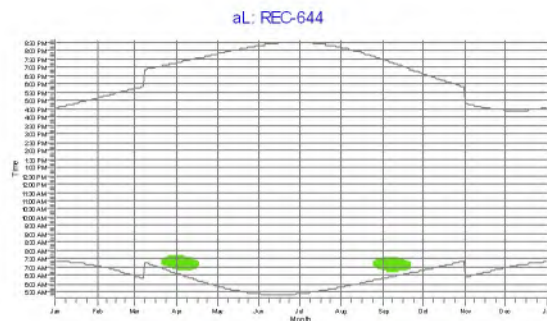
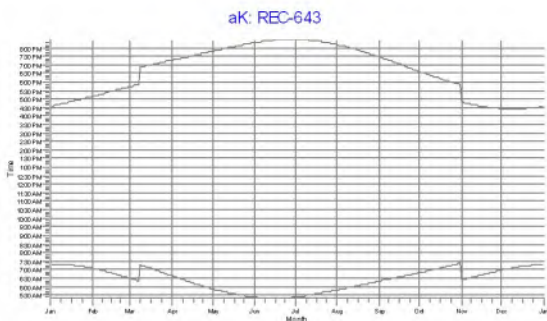
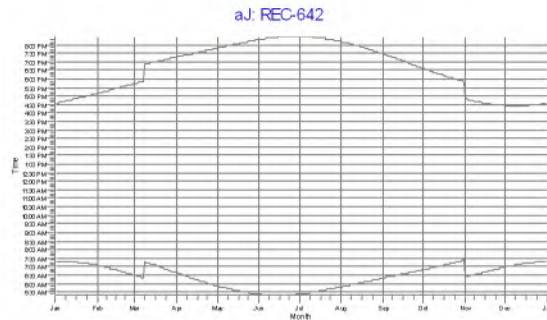
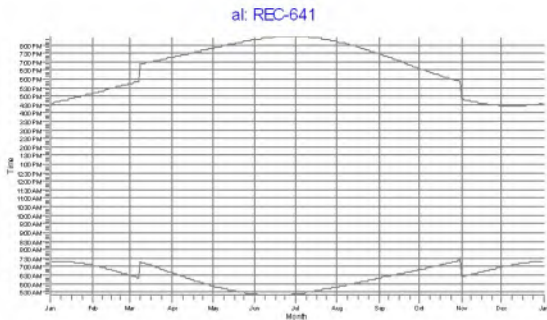
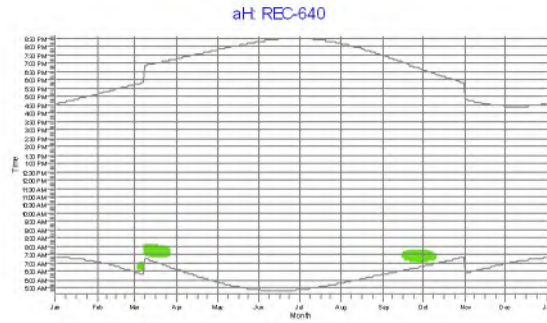
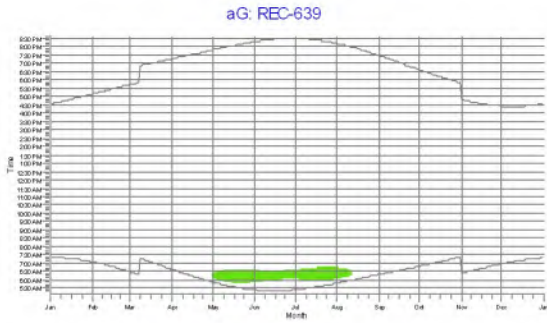
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
119: K99

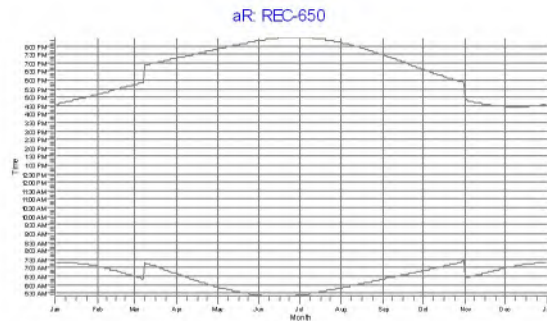
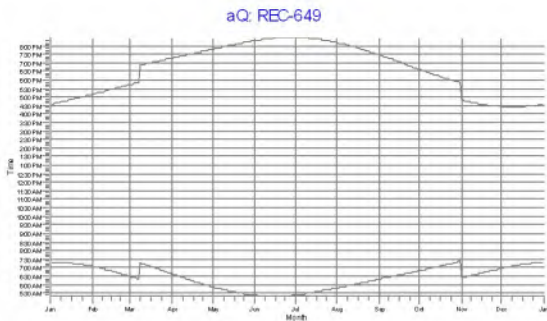
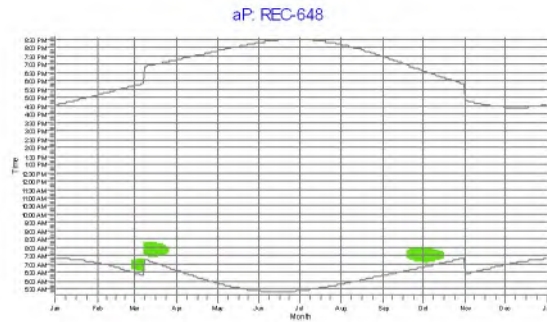
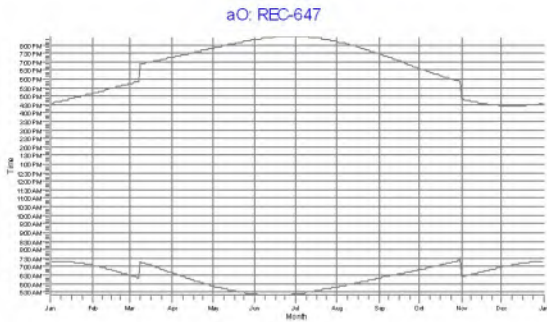
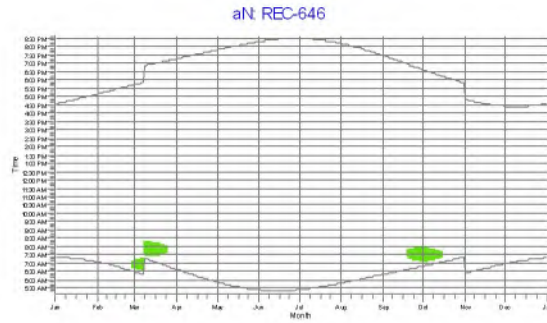
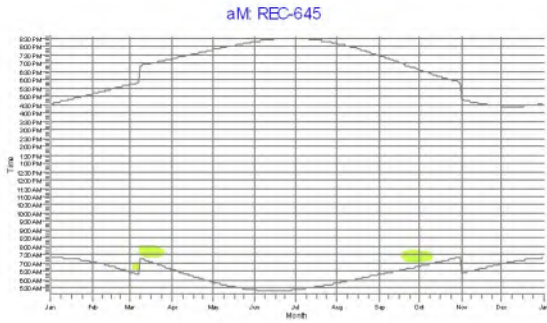
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
100: K70 119: K99

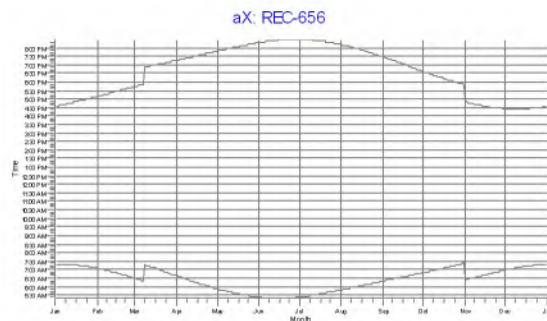
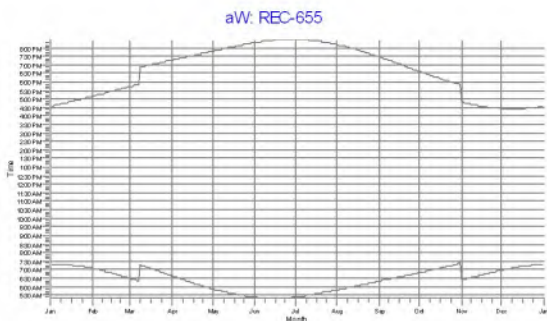
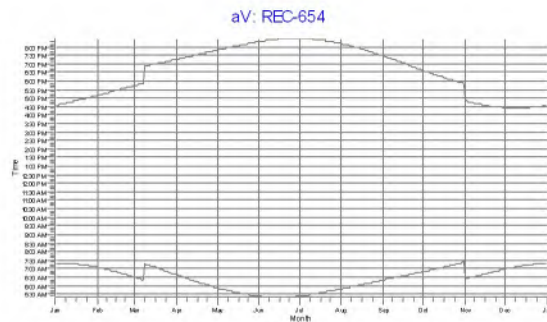
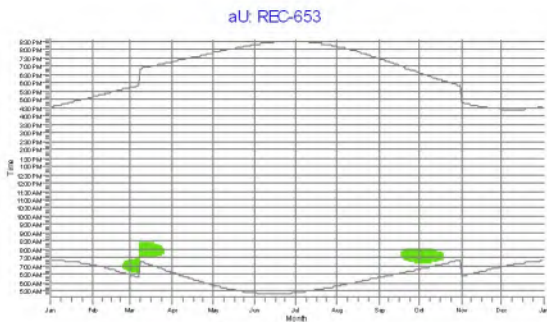
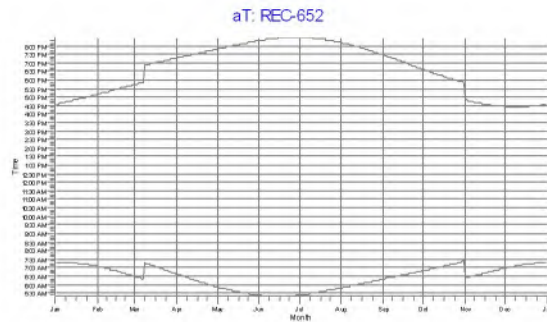
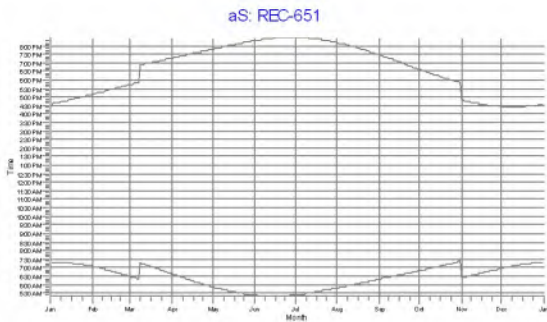
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
119: K99

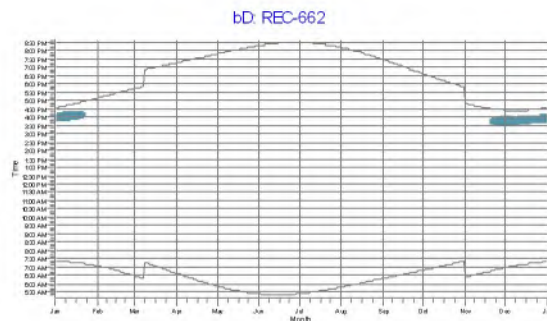
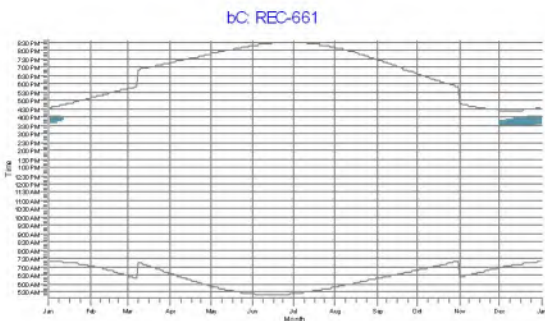
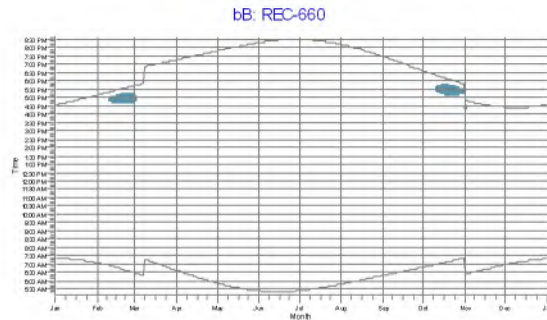
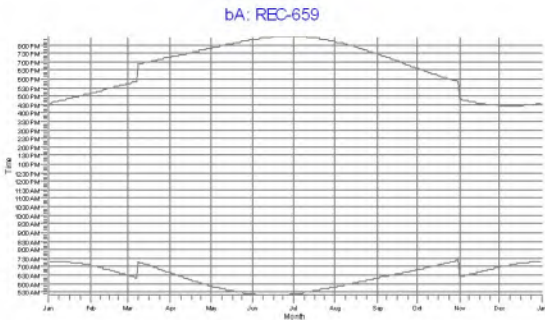
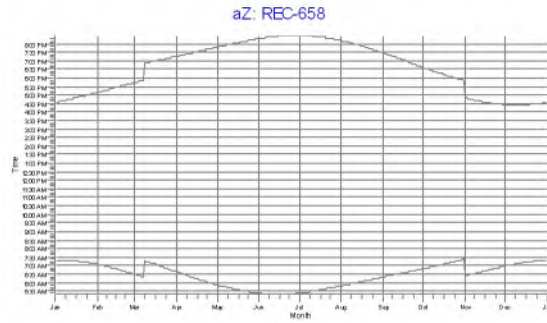
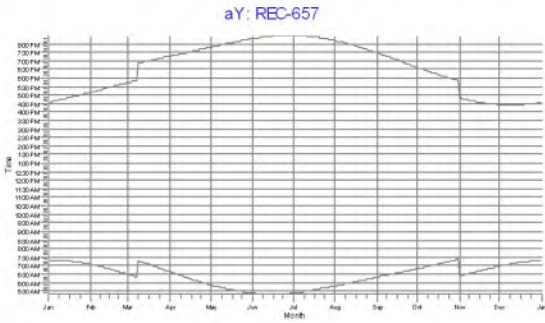
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
99: K66

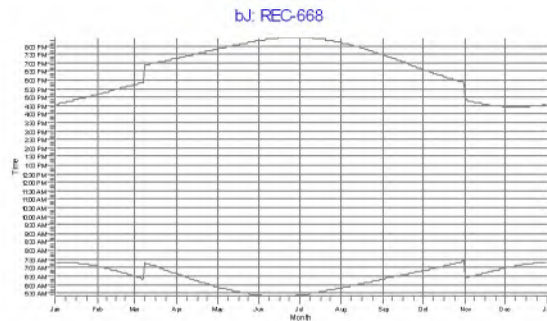
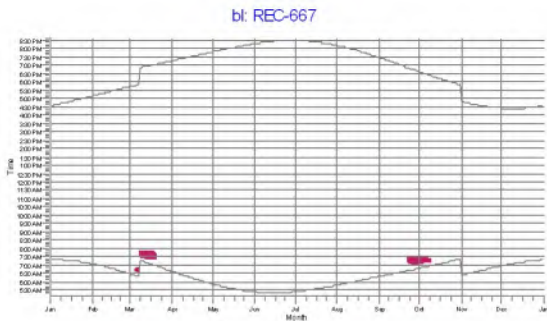
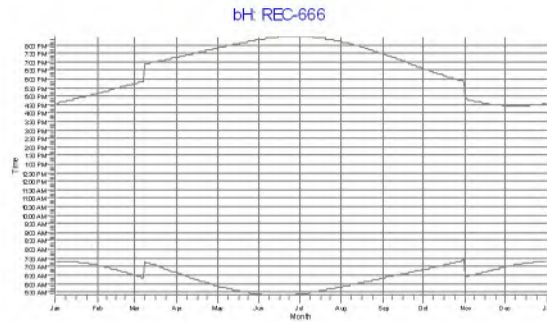
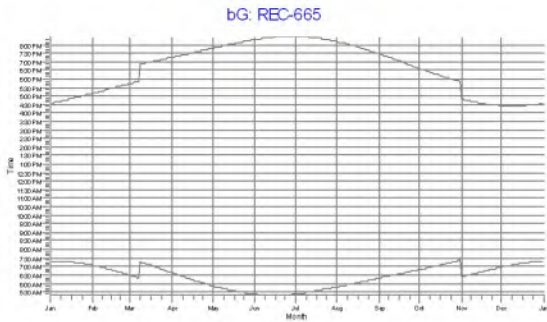
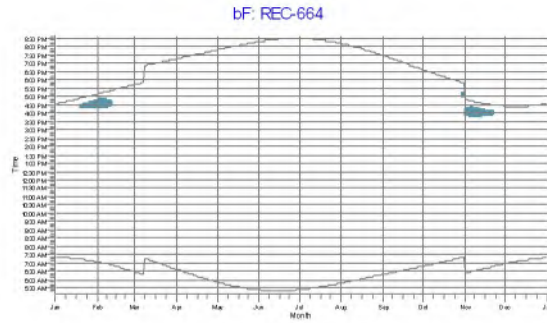
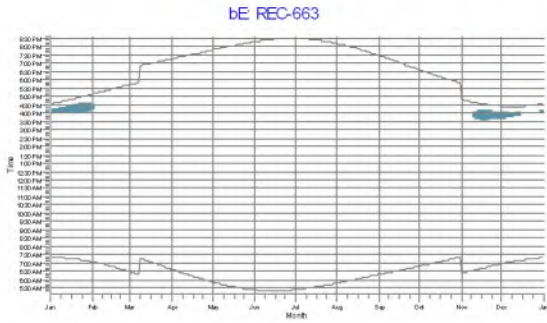
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 99: K66
 137: K200

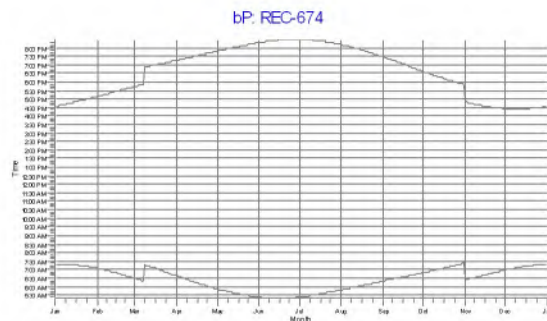
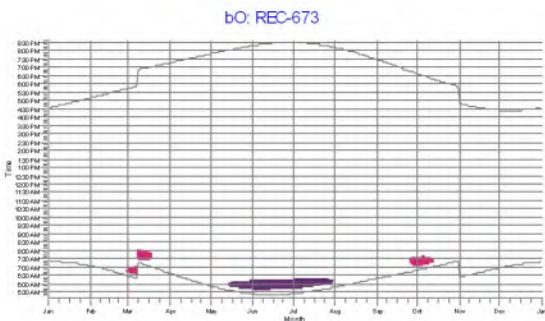
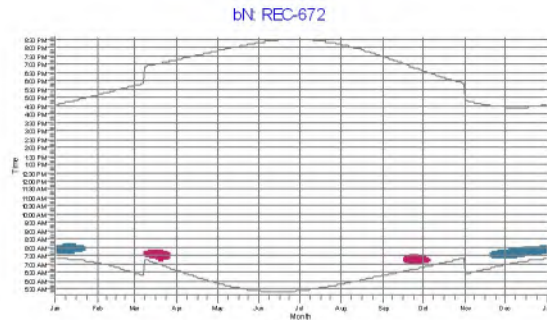
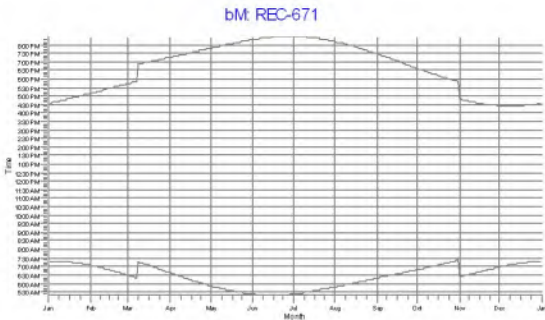
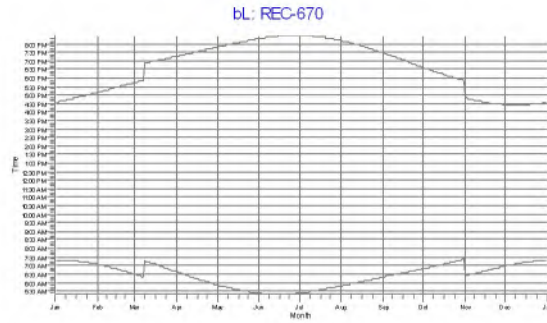
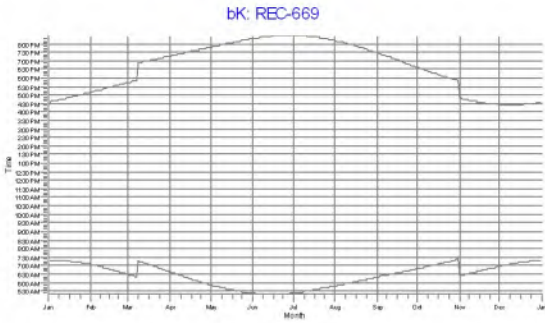
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

101: K73 102: K74 135: K205 137: K200

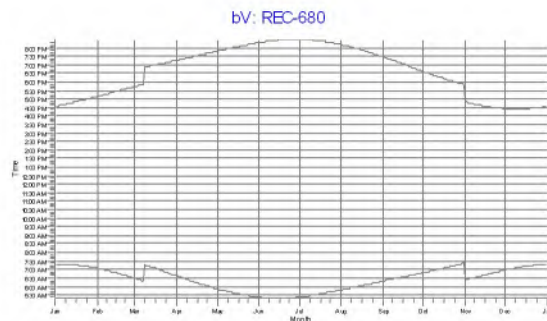
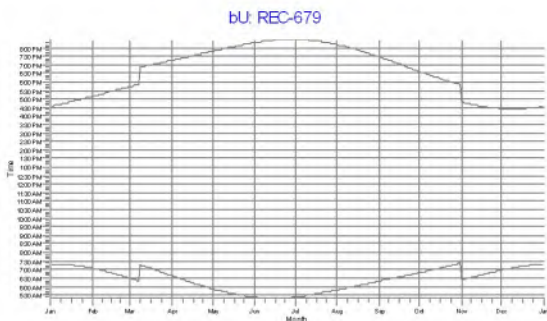
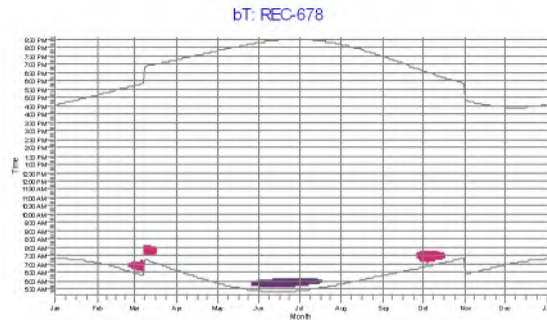
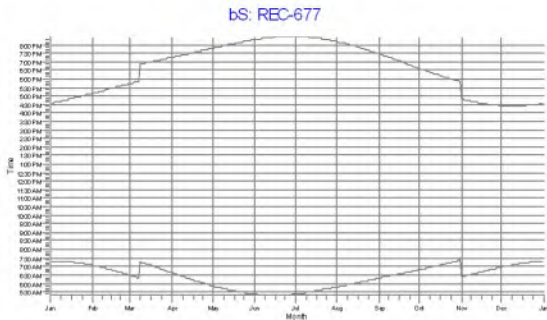
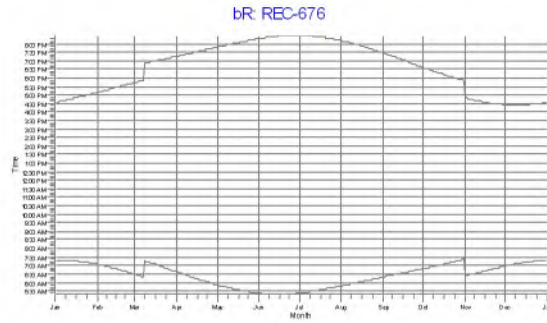
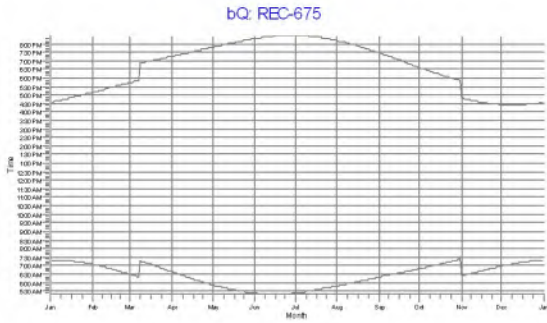
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
101: K73 102: K74

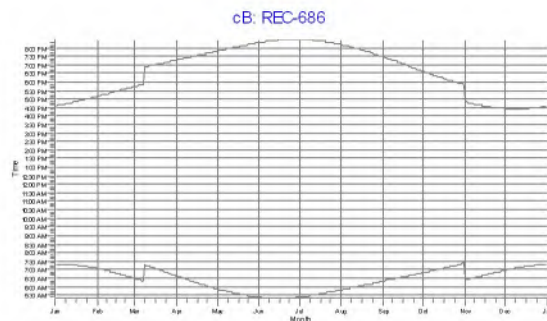
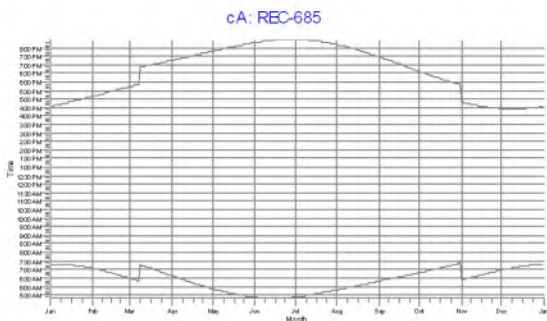
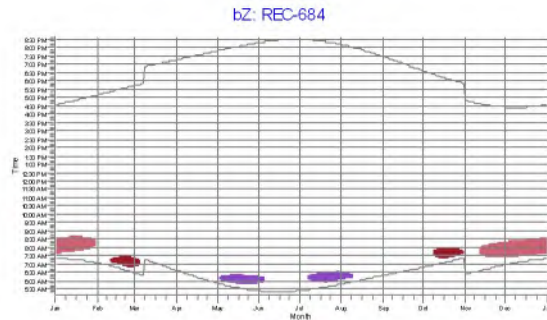
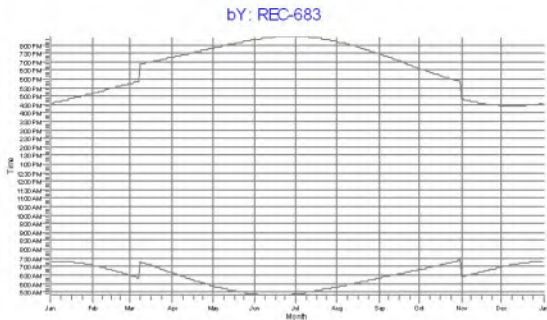
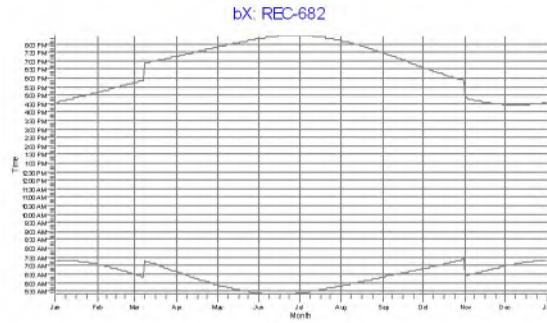
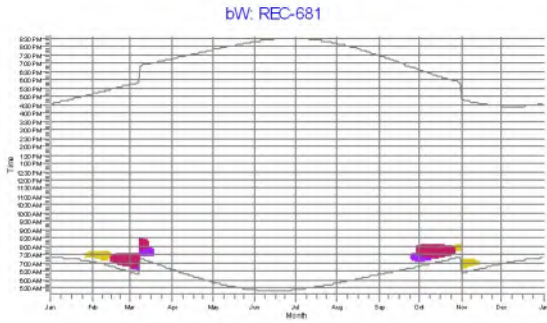
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
 103: K78
 120: K101
 121: K79
 123: K77
 133: K202
 137: K200

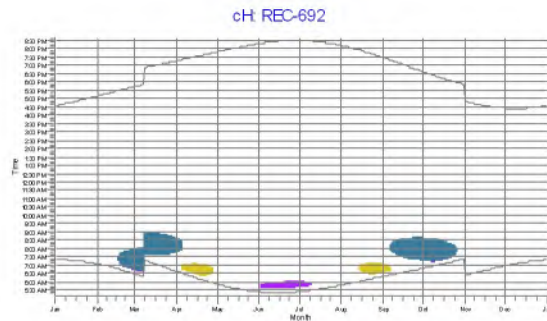
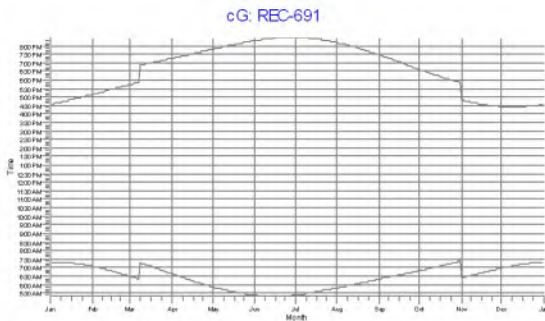
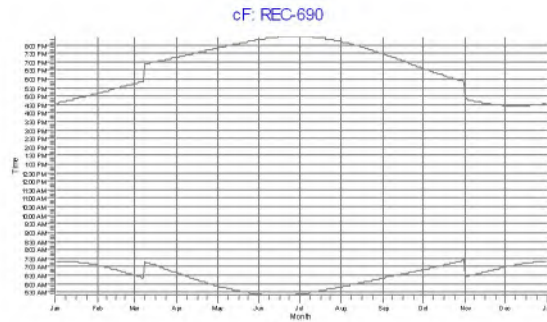
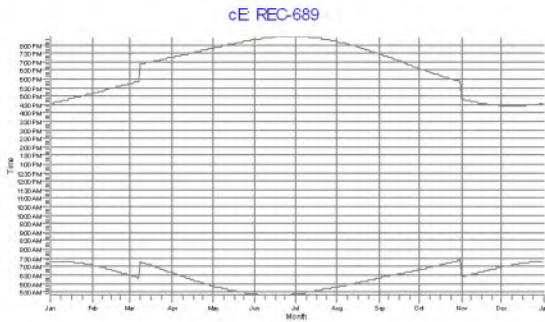
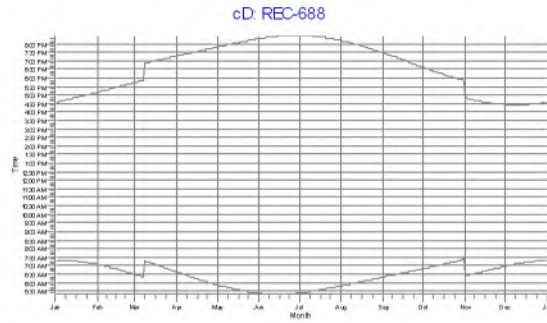
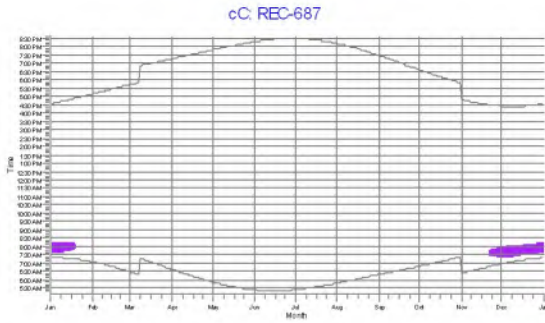
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

120: K101 121: K79 123: K77 135: K205

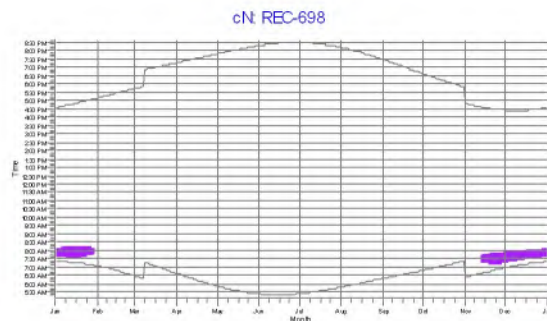
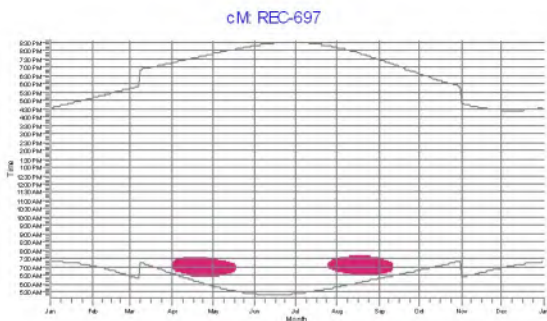
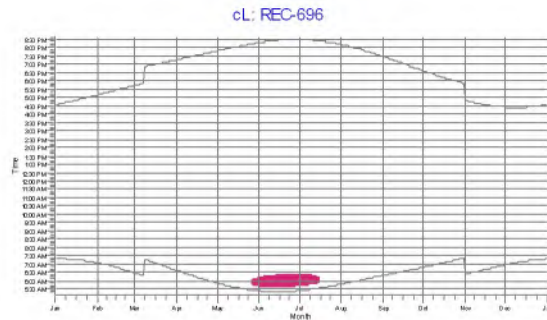
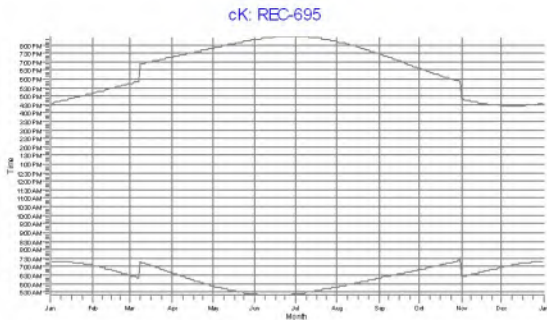
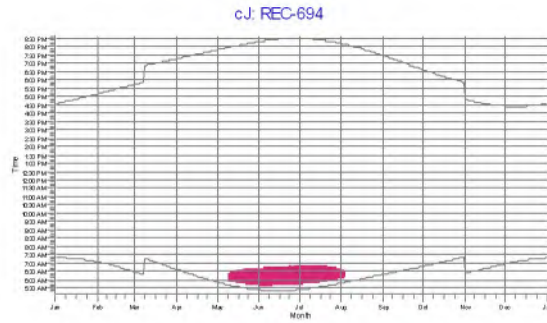
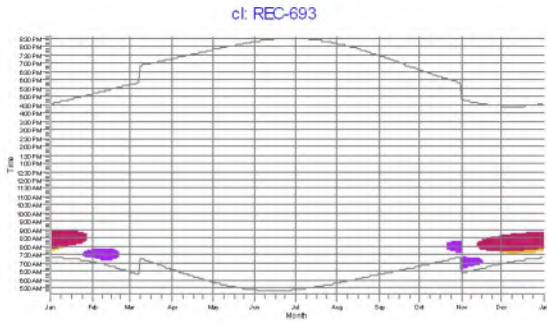
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

101: K73 121: K79 123: K77 137: K200

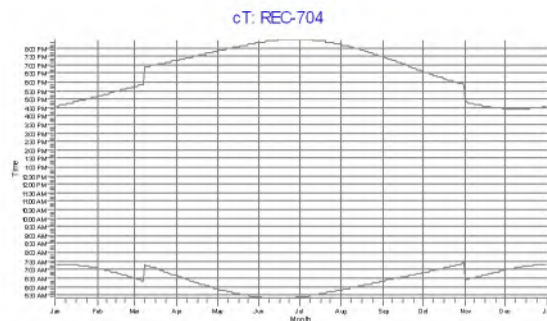
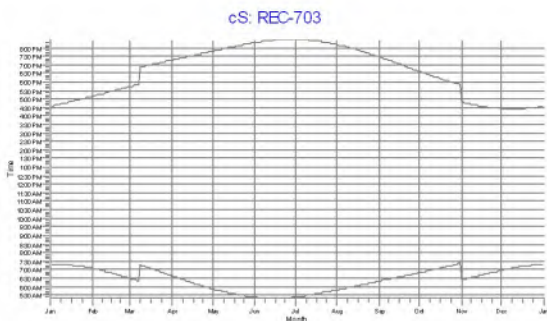
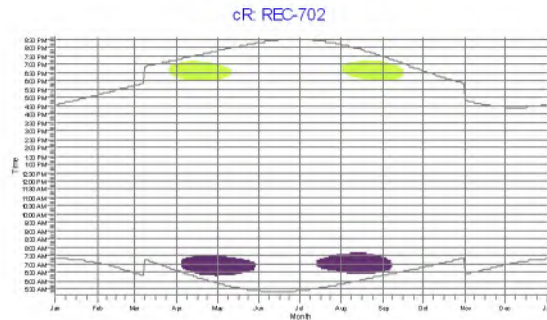
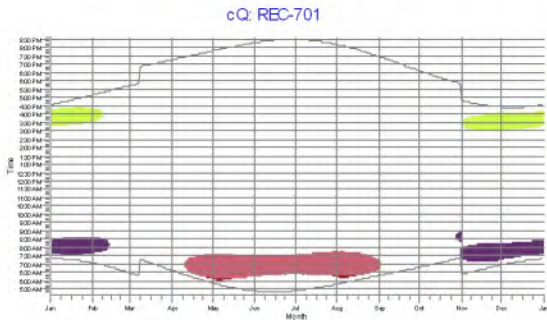
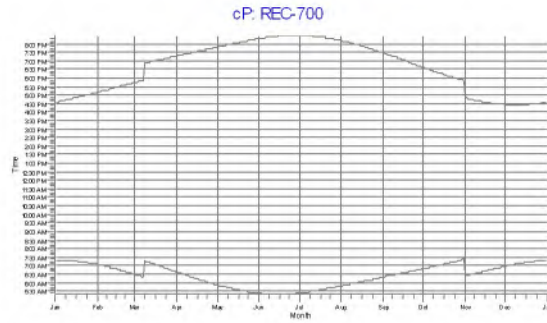
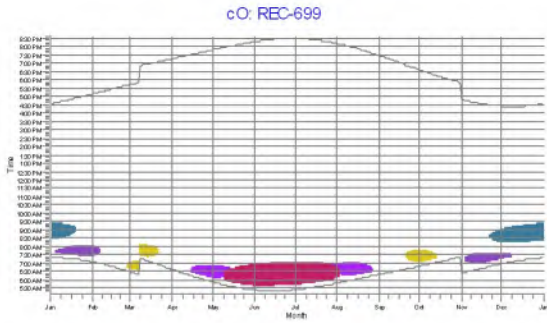
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

100: K70 102: K74 103: K78 120: K101 121: K79 123: K77 133: K202 135: K205 137: K200

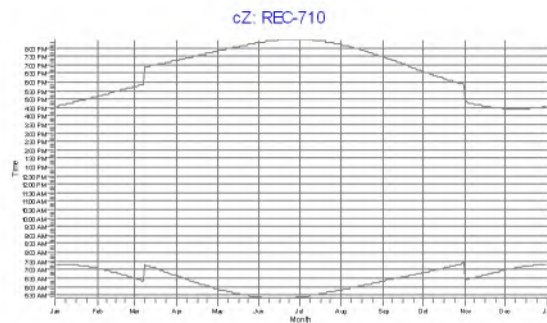
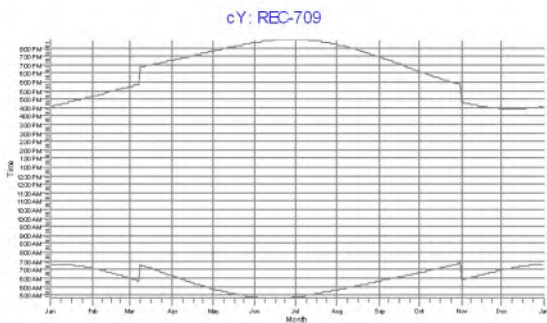
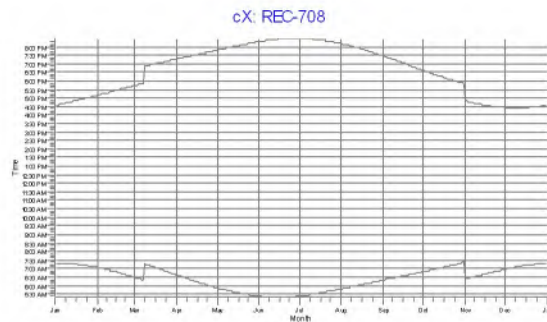
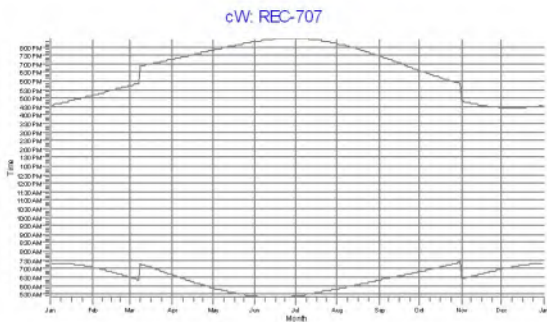
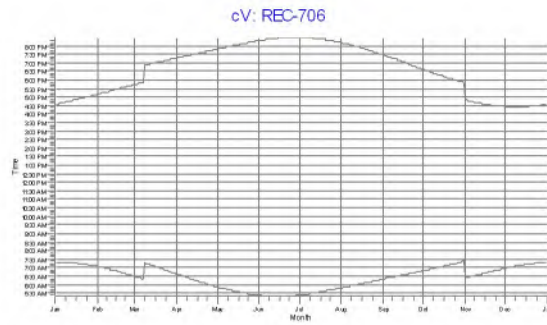
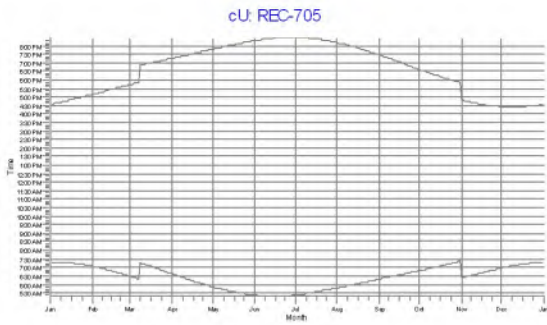
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

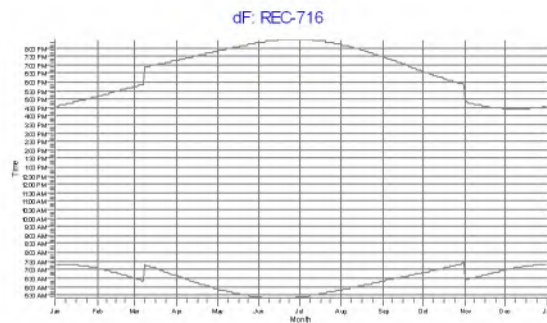
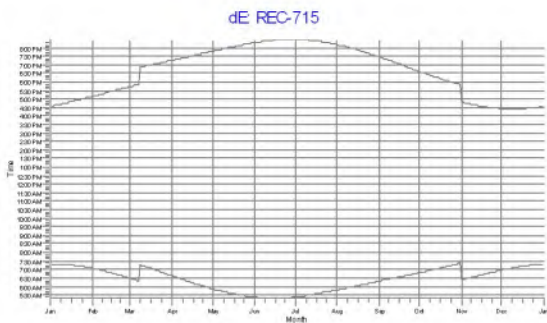
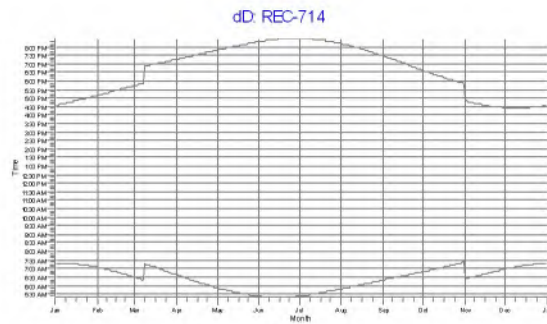
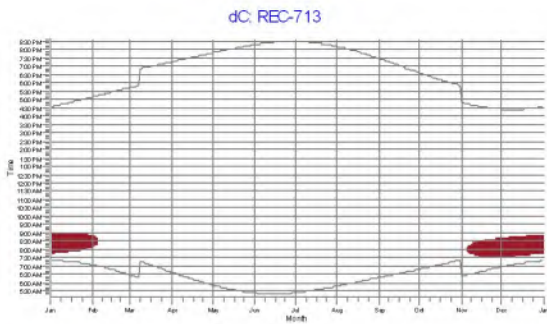
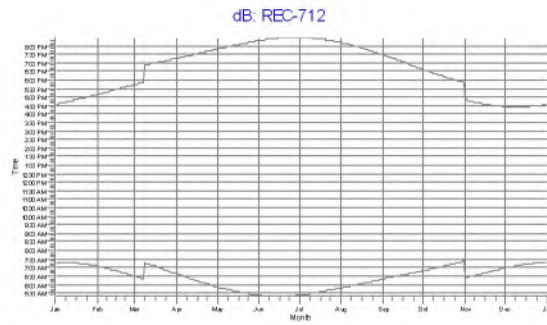
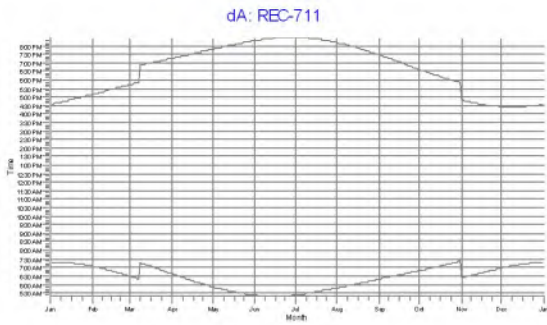
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
103: K78

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

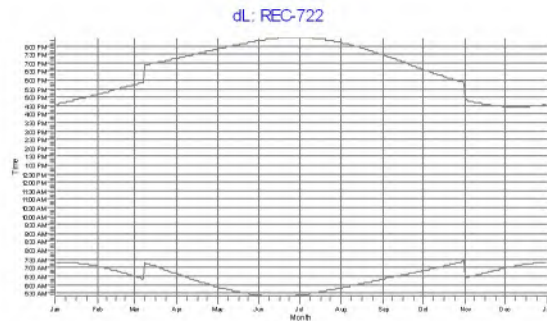
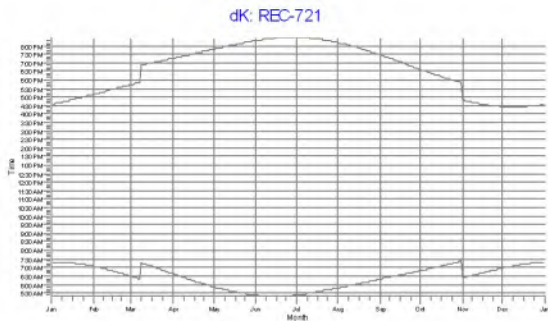
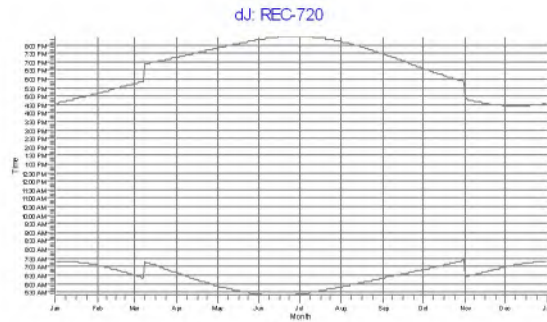
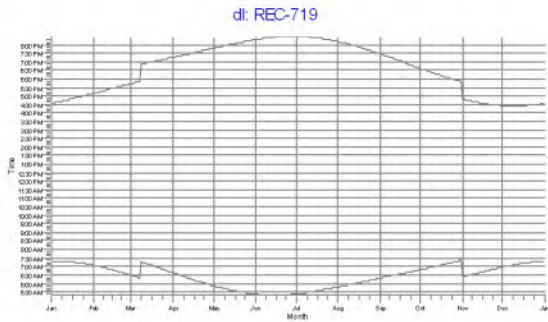
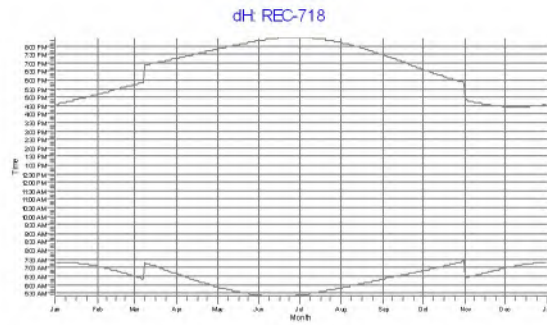
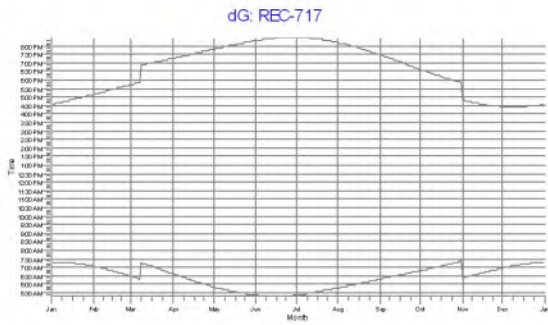
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

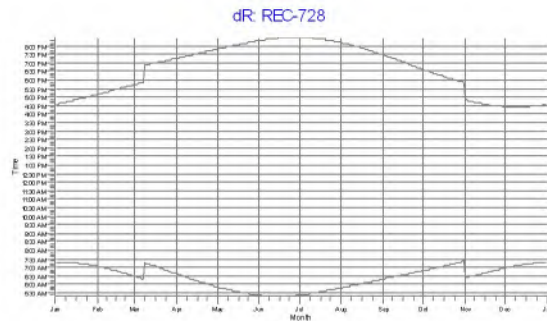
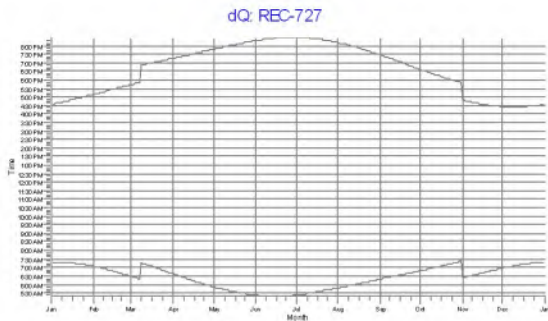
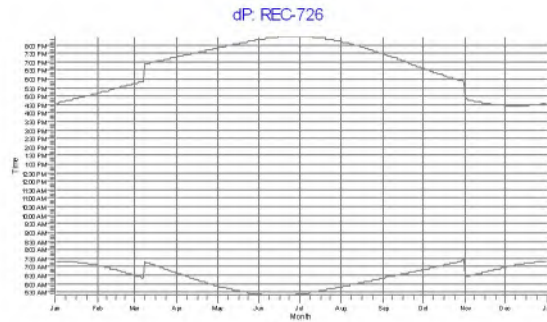
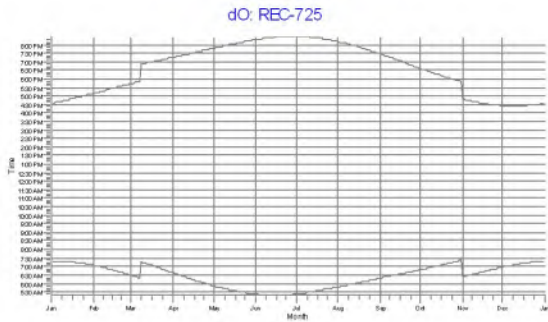
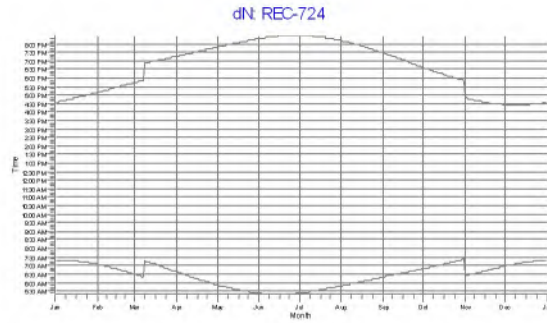
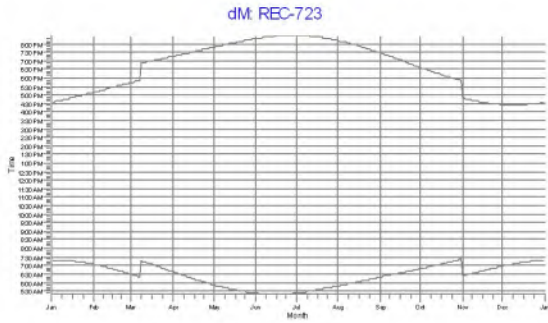
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

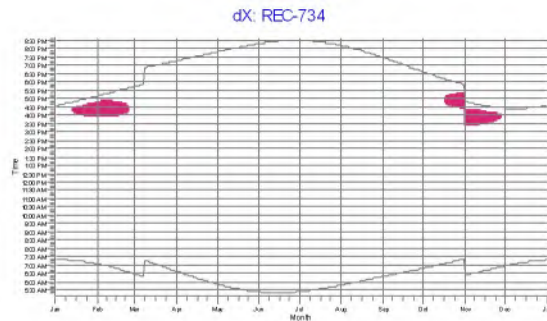
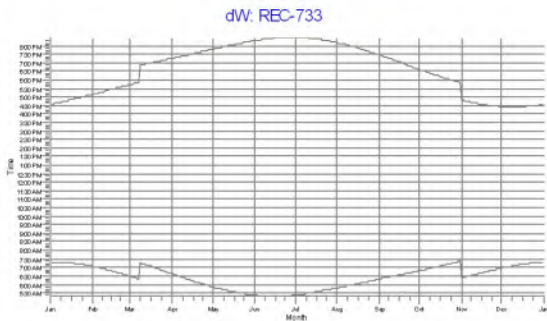
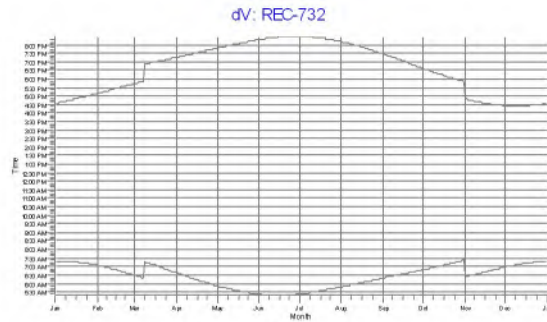
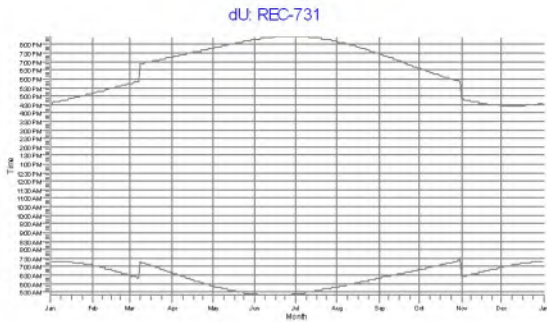
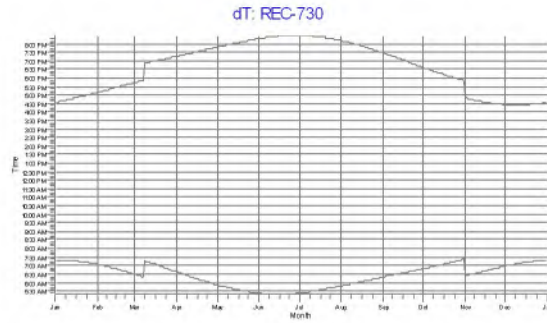
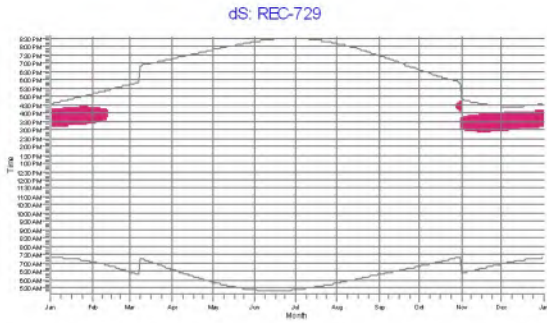
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
101: K73

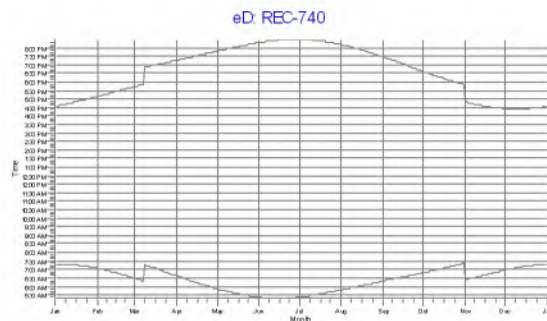
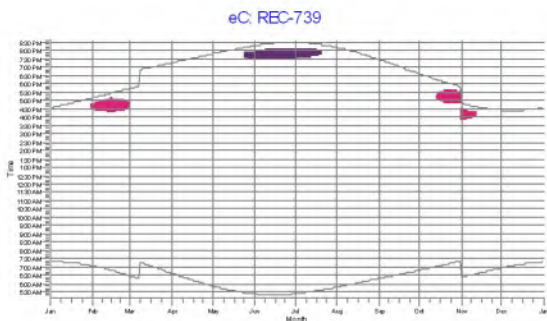
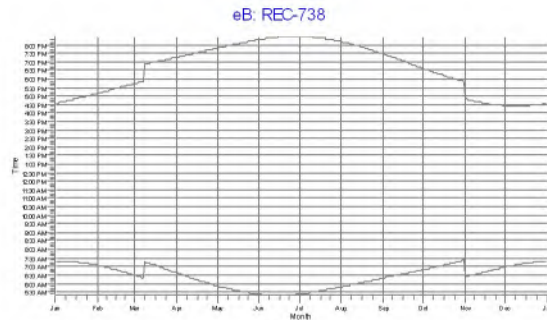
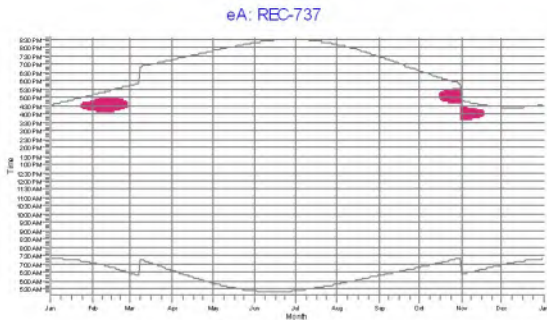
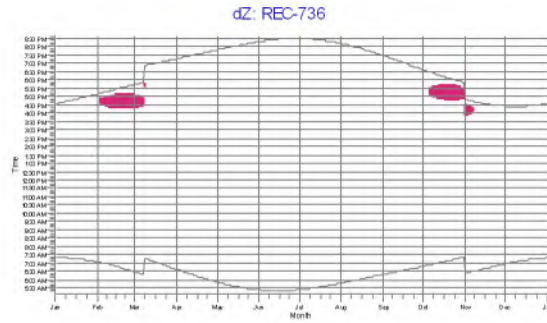
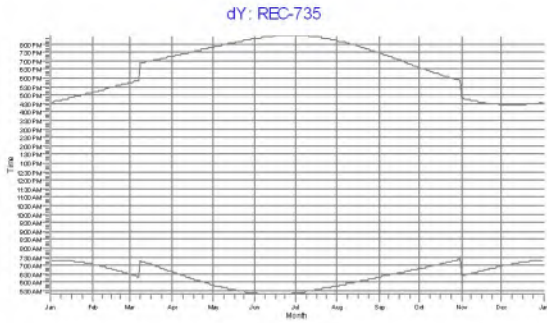
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 101: K73
■ 102: K74

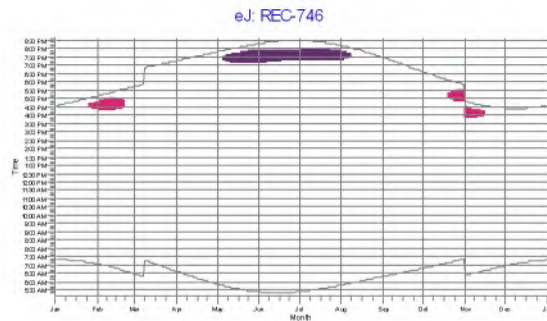
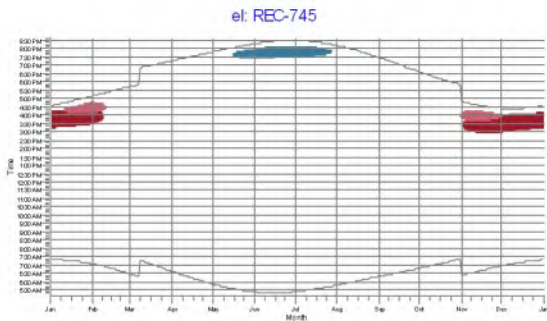
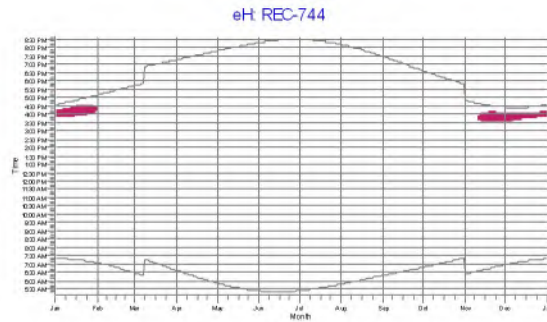
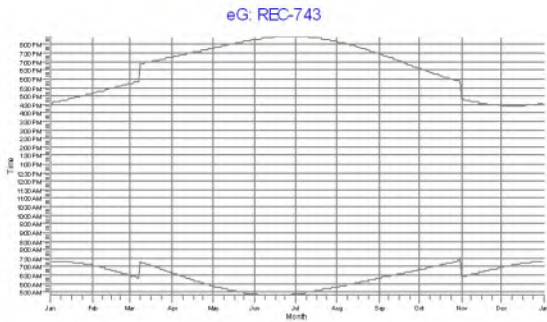
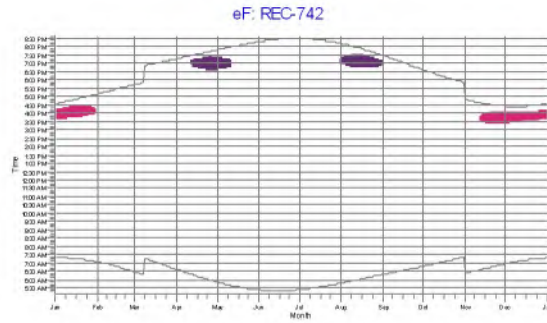
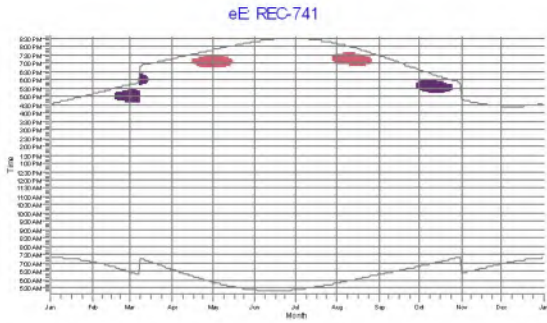
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 101: K73
■ 102: K74
■ 103: K78
■ 133: K202
■ 135: K205
■ 137: K200

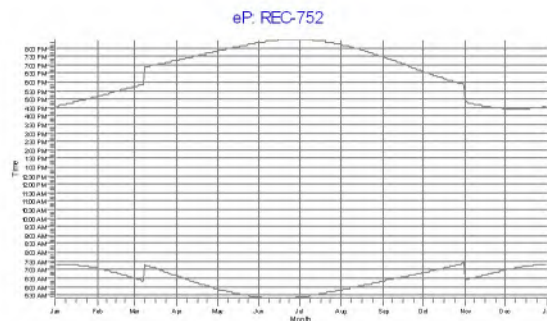
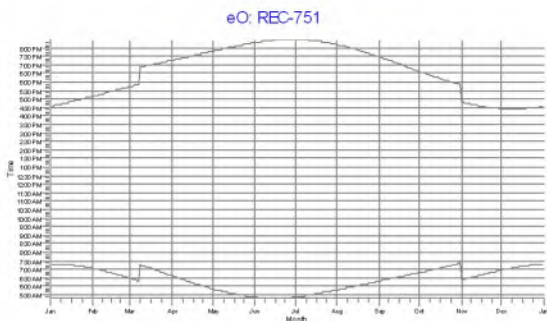
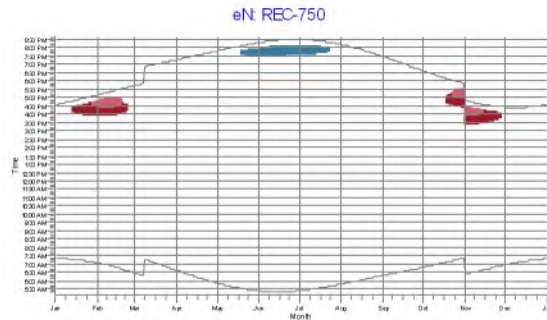
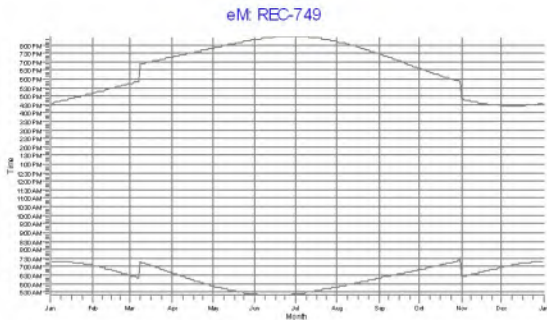
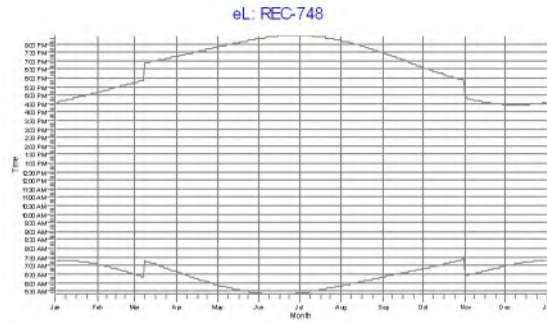
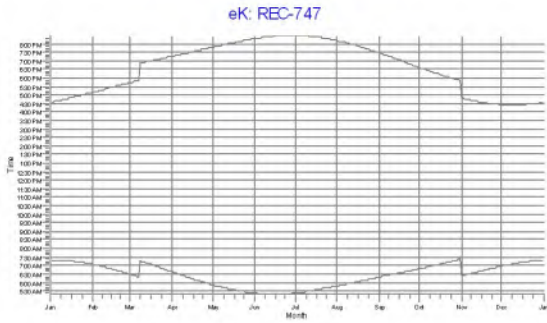
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

103: K78 133: K202 135: K205

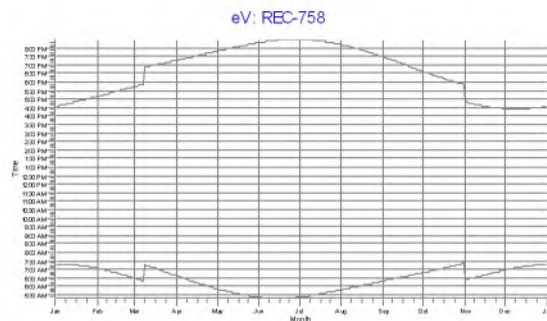
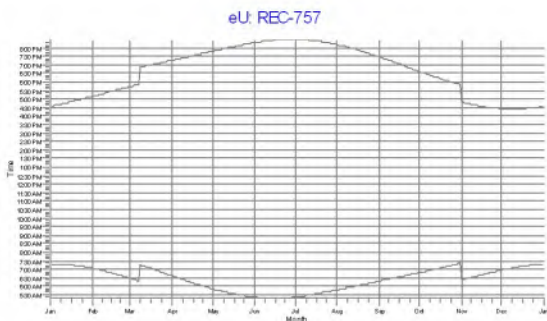
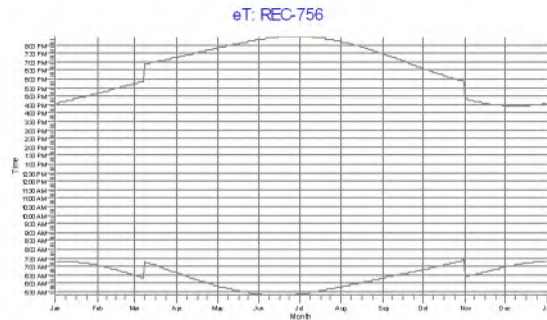
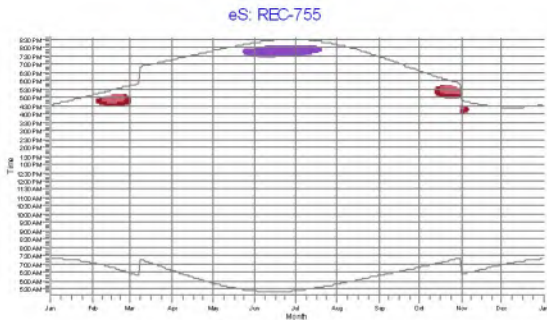
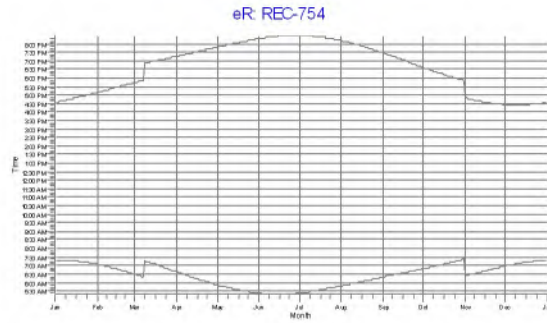
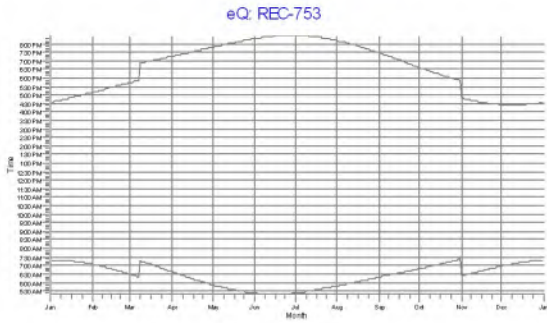
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

103: K78 120: K101 133: K202

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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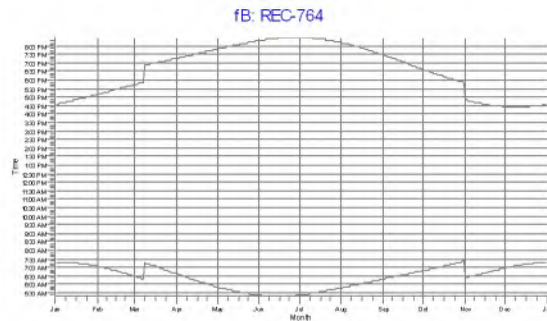
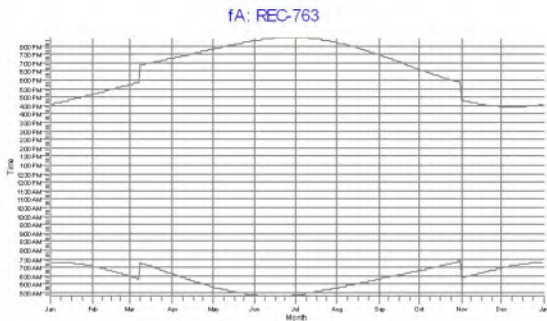
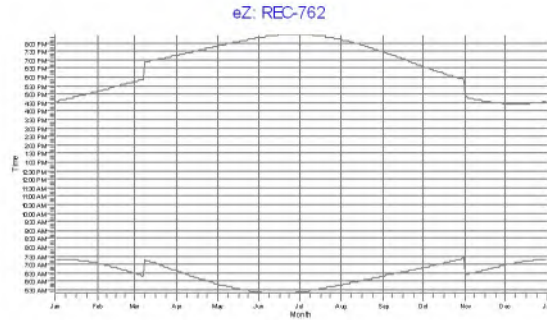
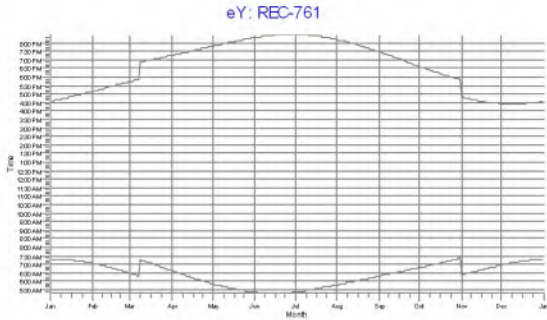
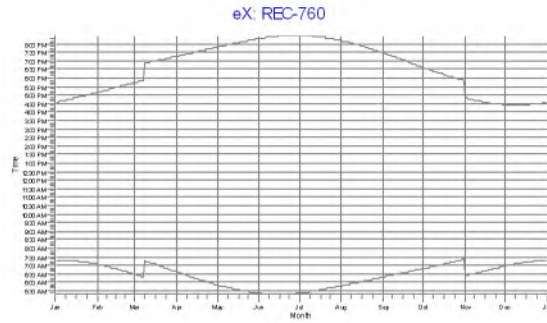
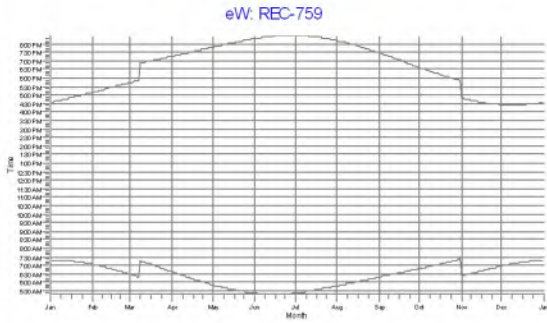
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

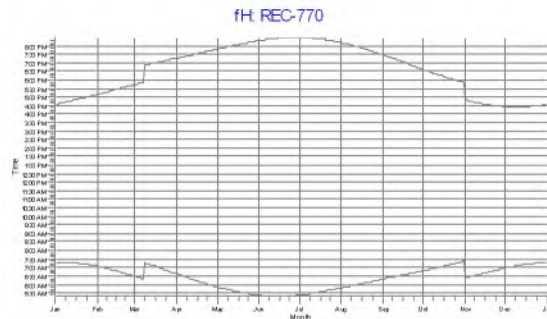
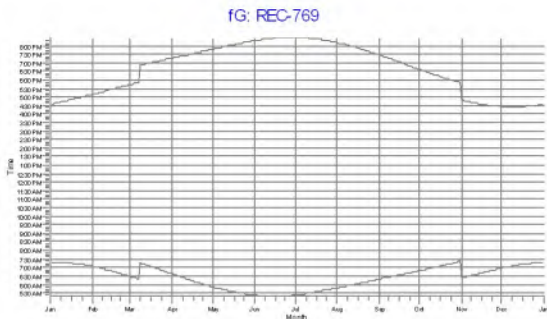
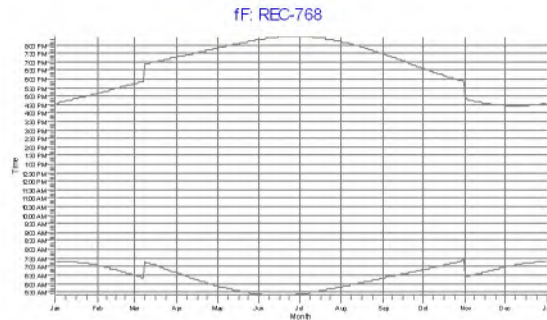
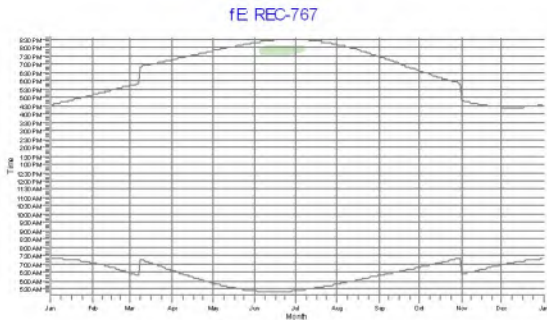
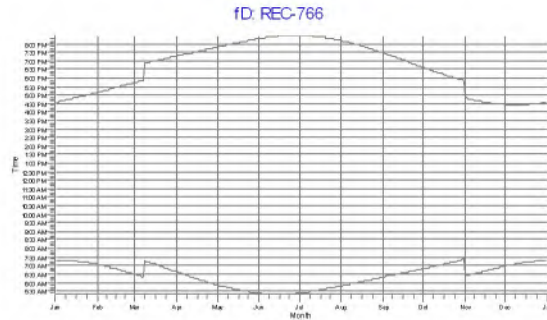
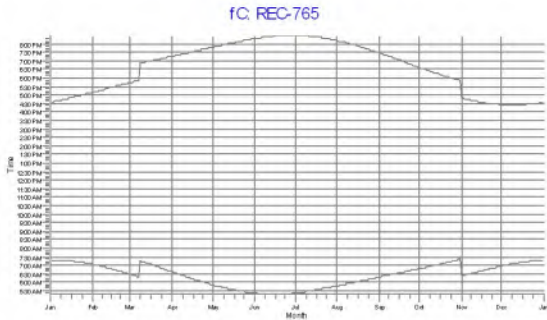
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
122: K81

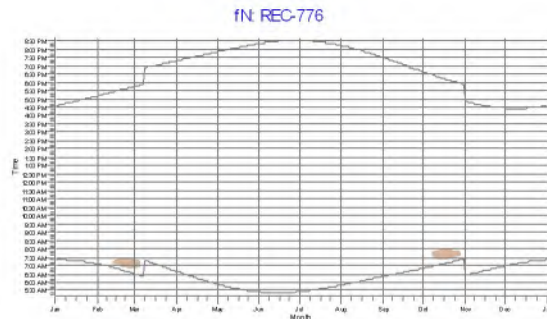
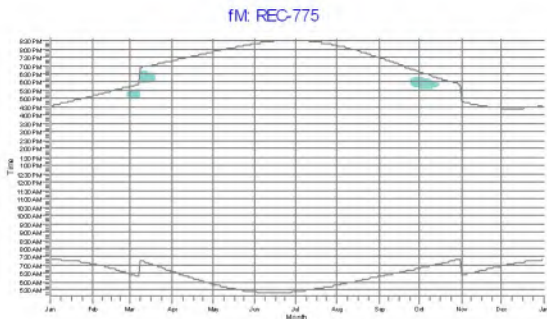
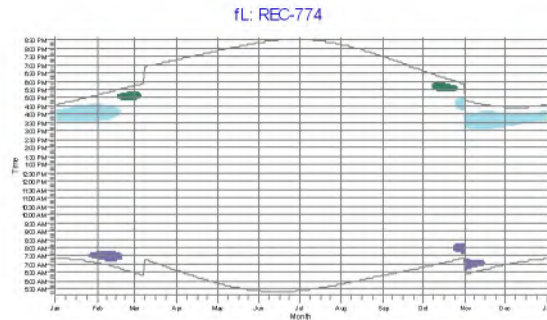
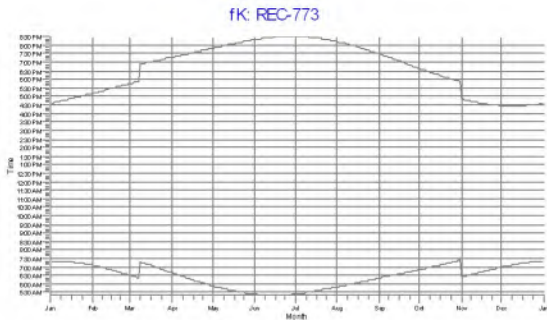
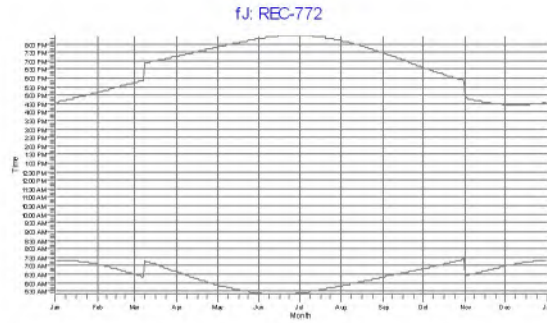
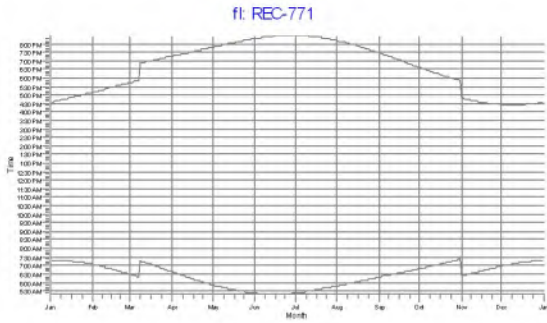
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

17: L29 29: L43 33: L56 48: L76 69: L113

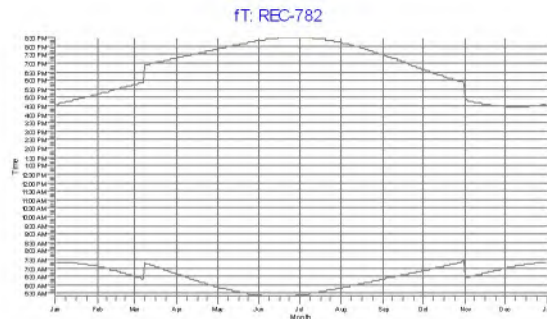
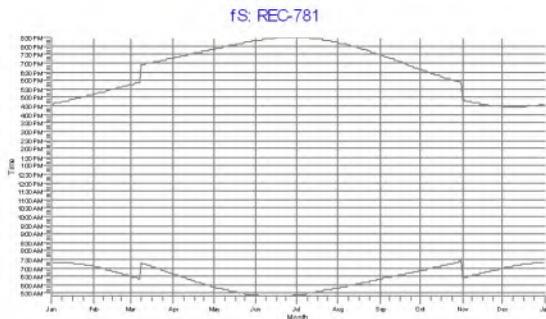
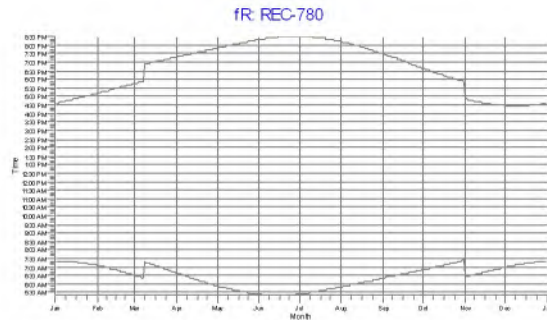
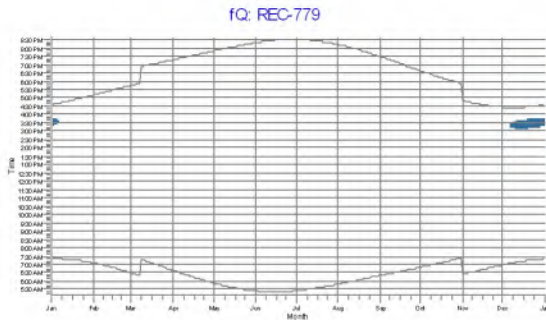
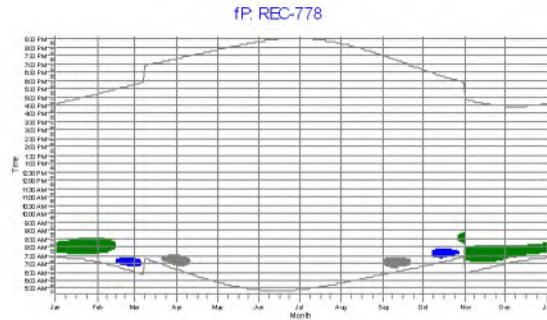
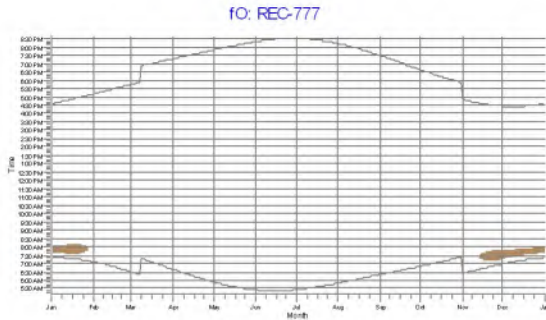
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

1: L2 3: L5 4: L6 22: L34 71: L121

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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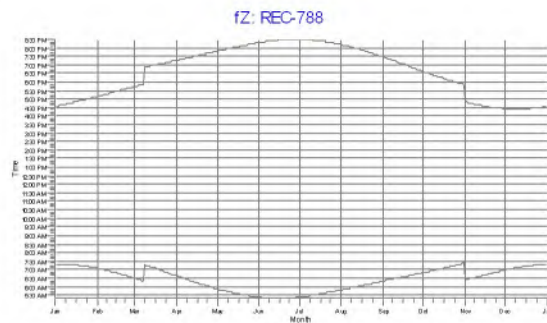
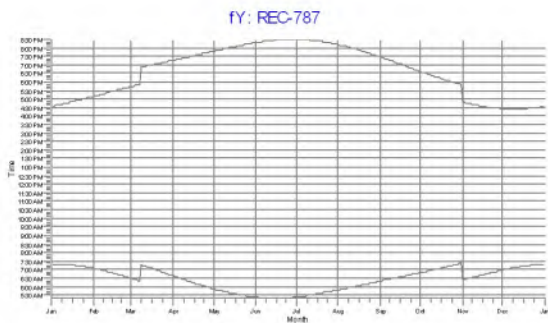
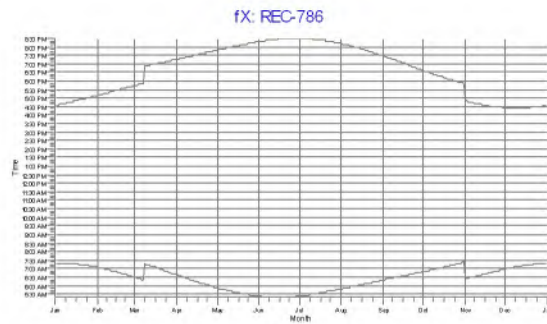
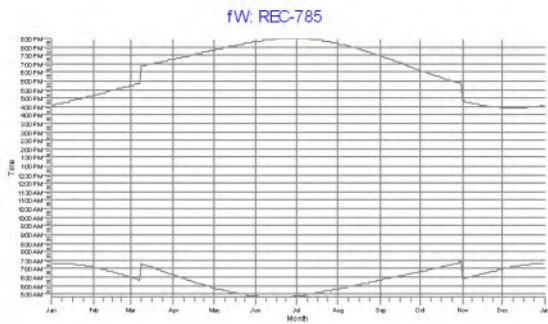
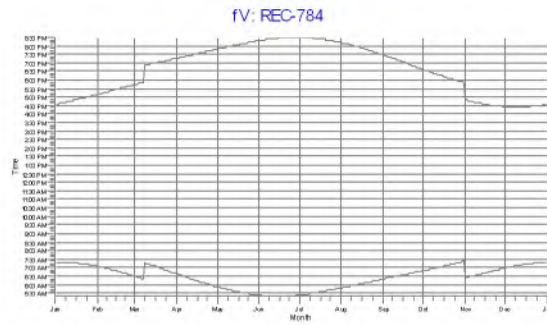
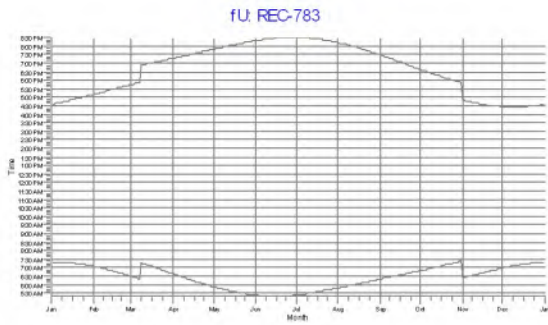
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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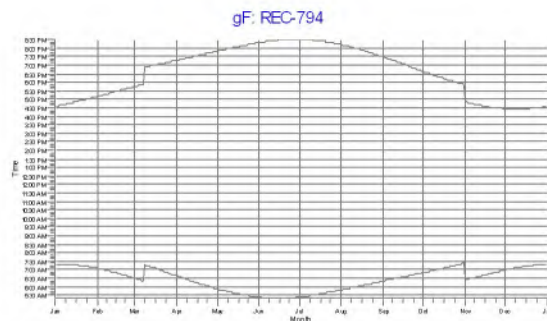
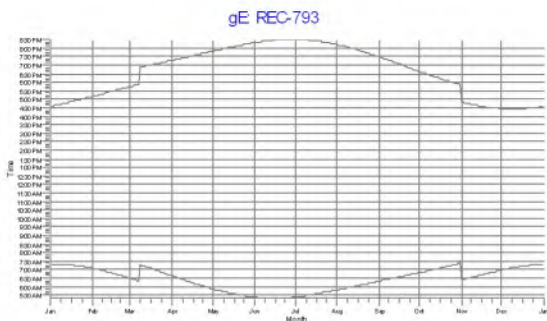
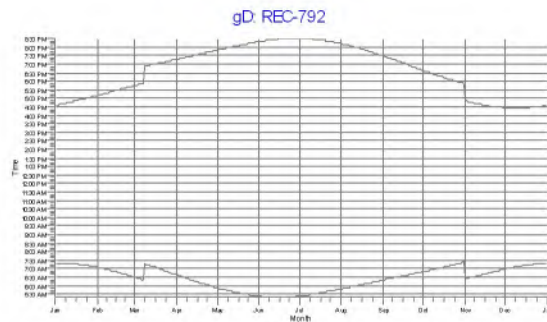
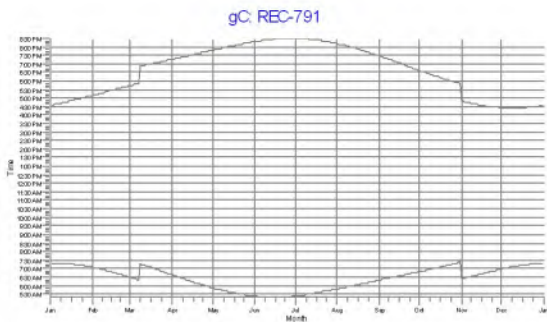
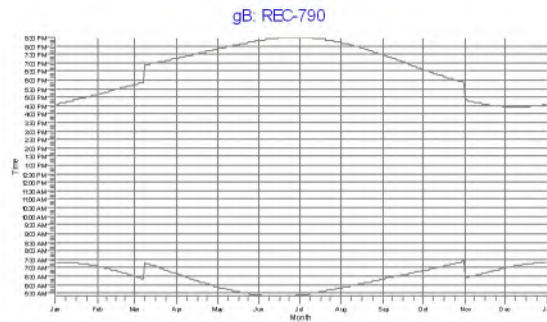
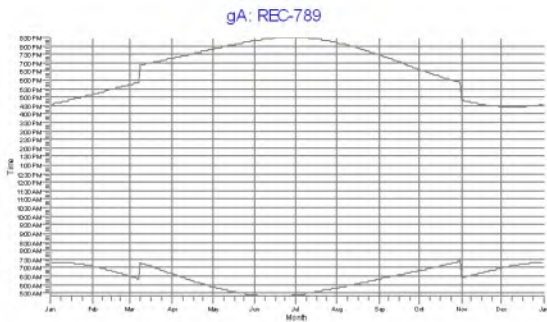
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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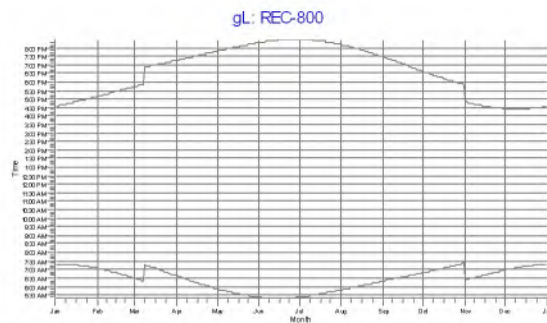
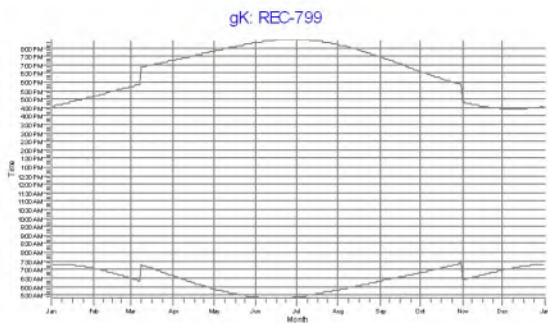
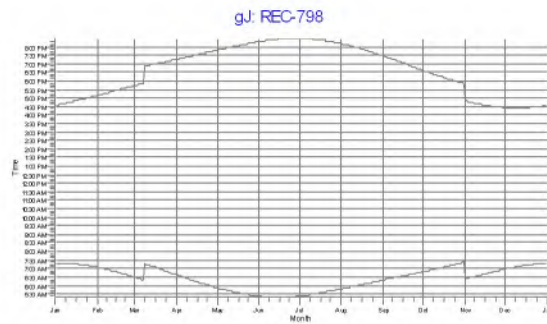
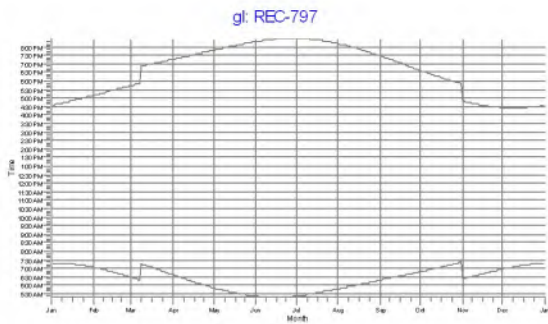
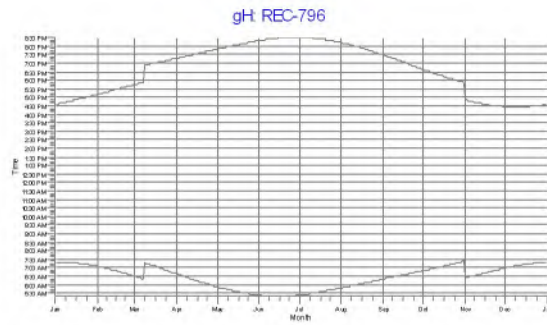
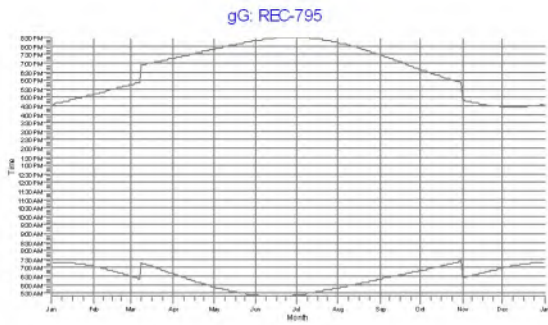
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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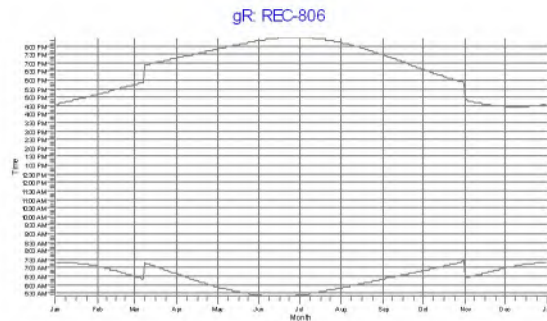
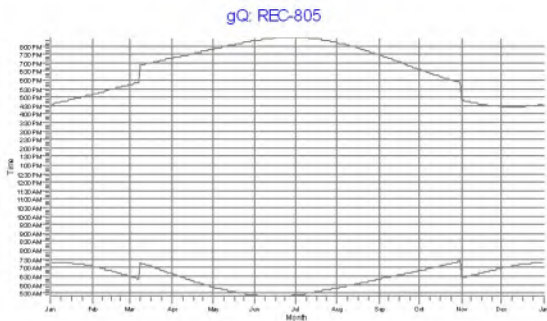
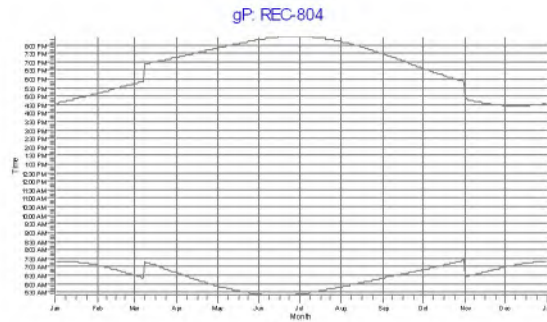
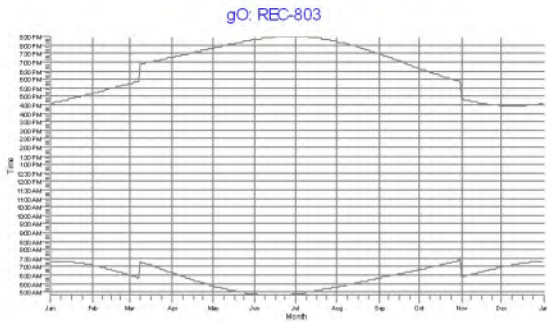
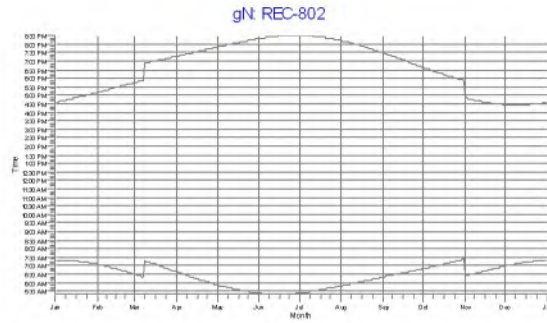
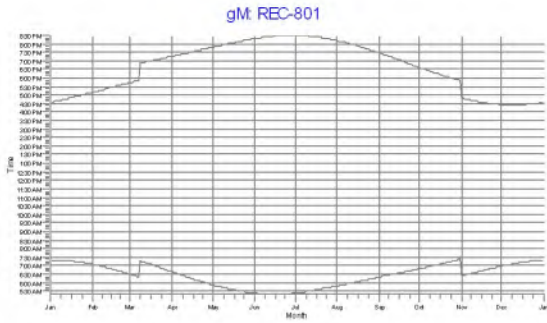
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

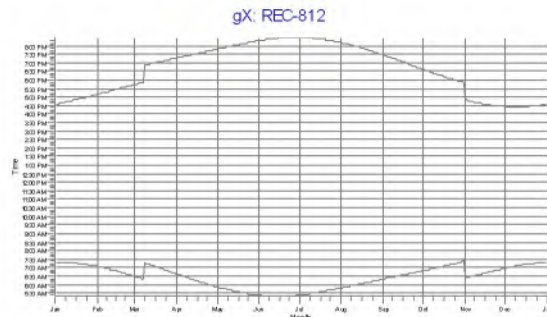
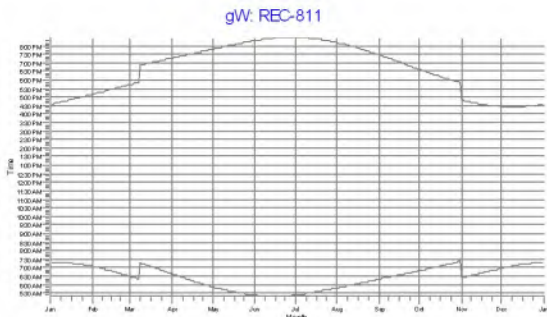
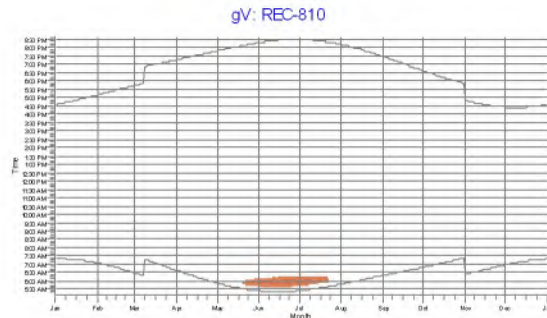
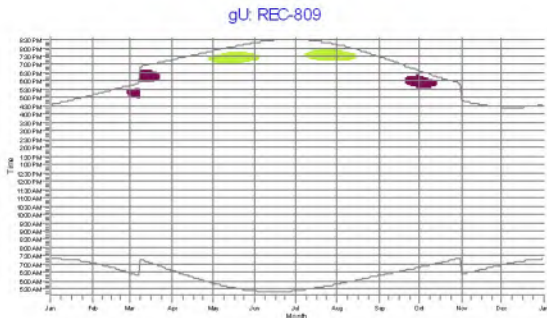
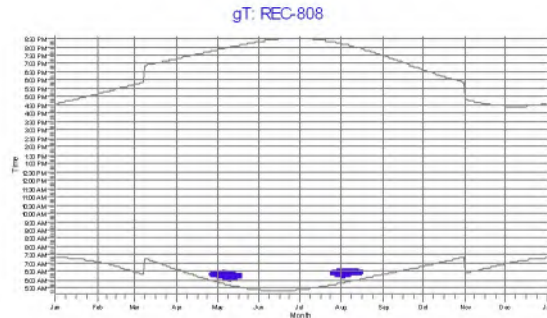
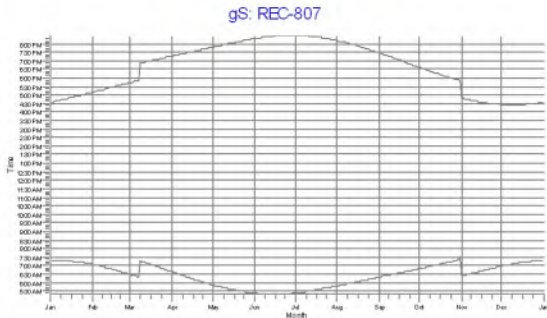
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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Calculated:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 106: K84
■ 107: K85
■ 112: K92
■ 127: K110

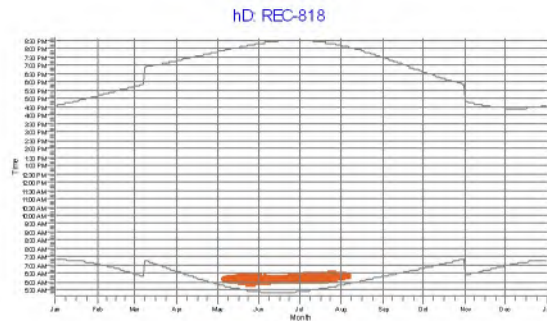
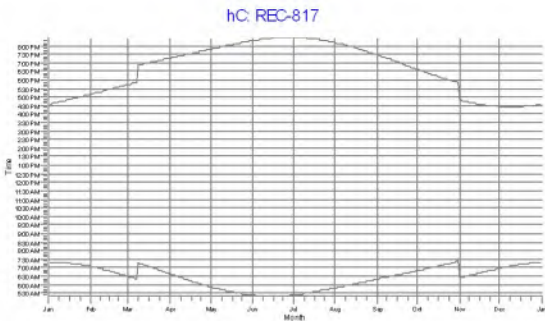
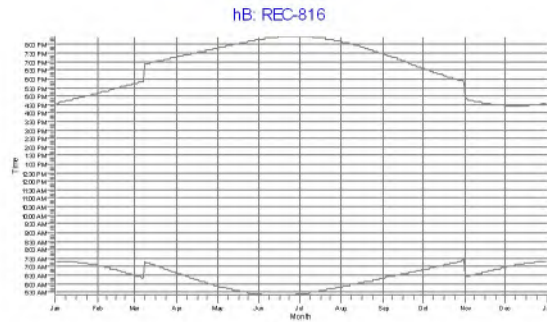
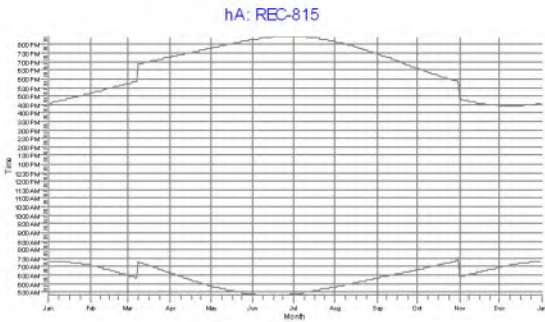
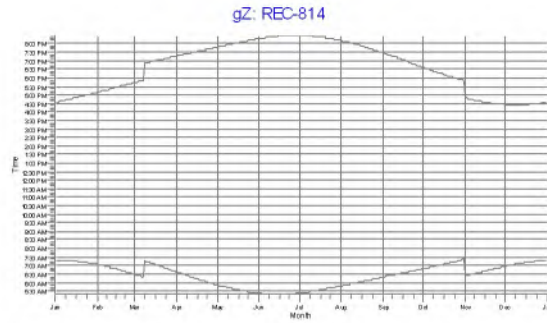
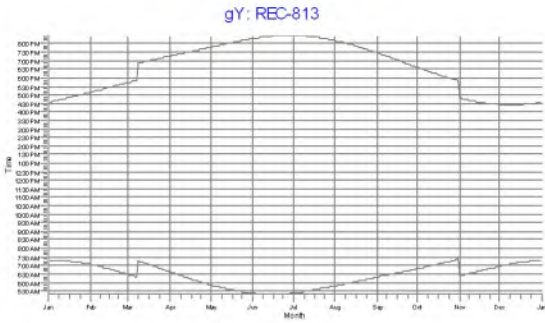
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
128: K48

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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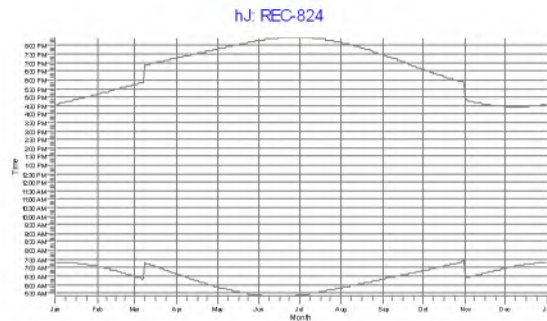
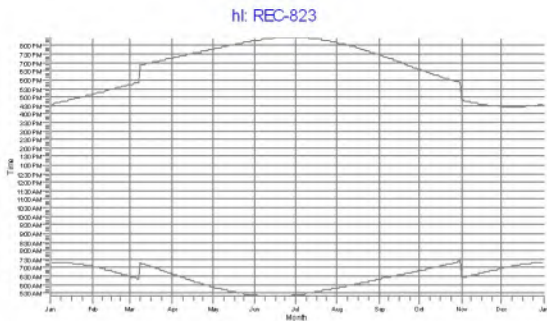
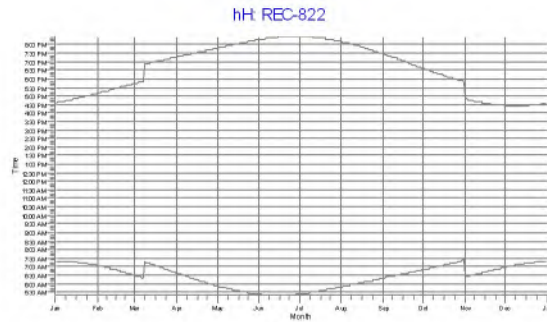
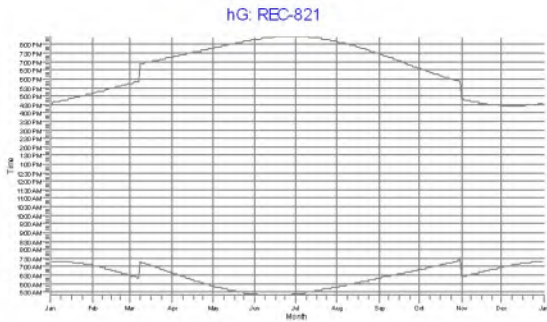
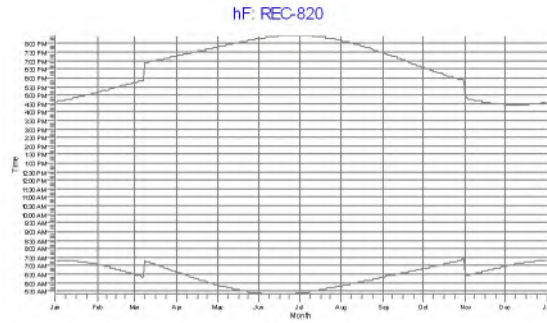
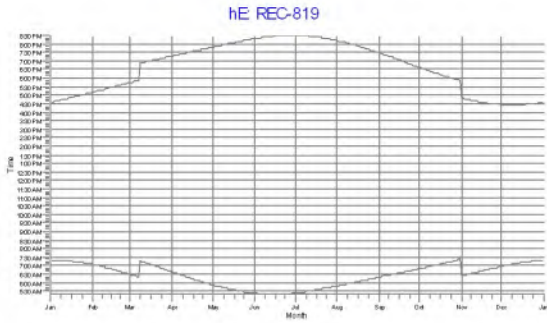
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Calculated:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

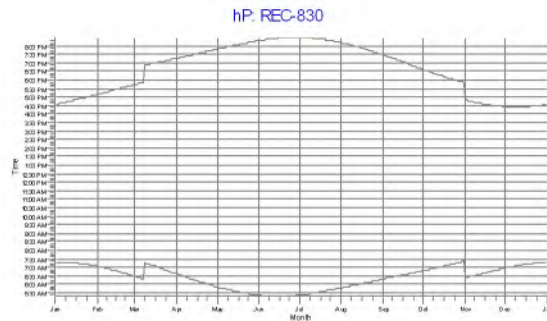
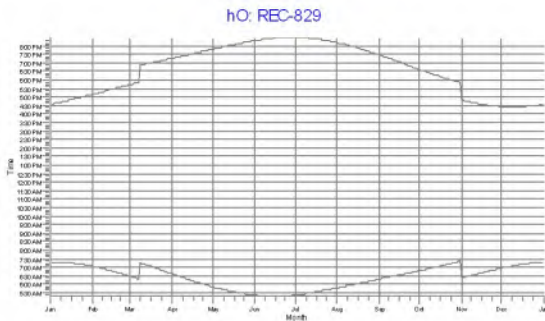
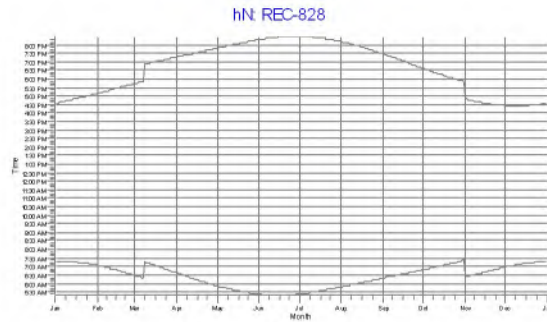
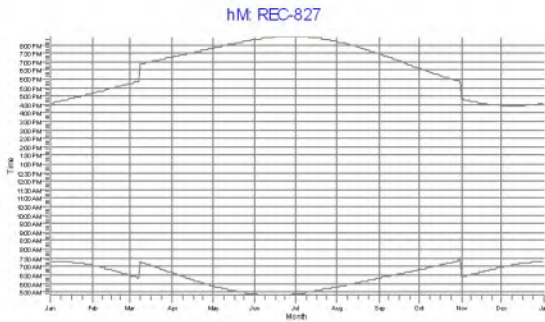
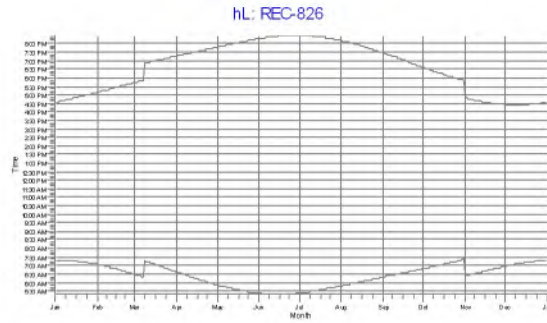
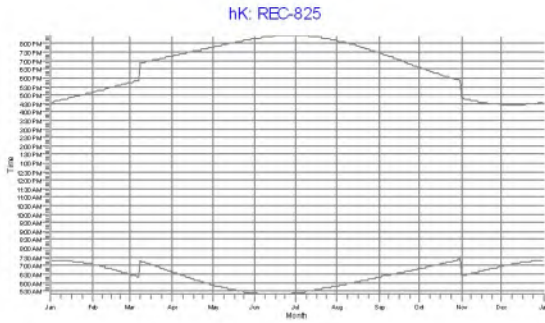
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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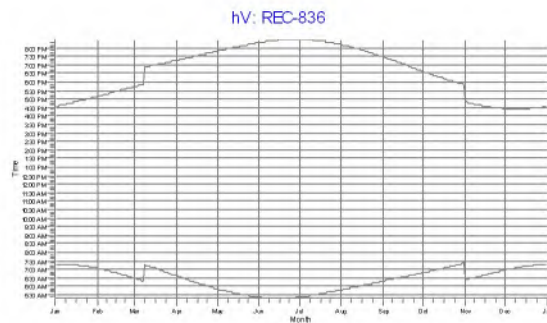
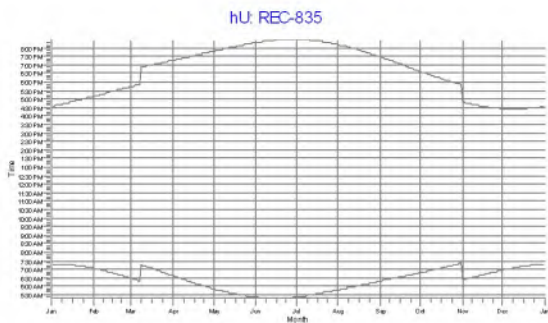
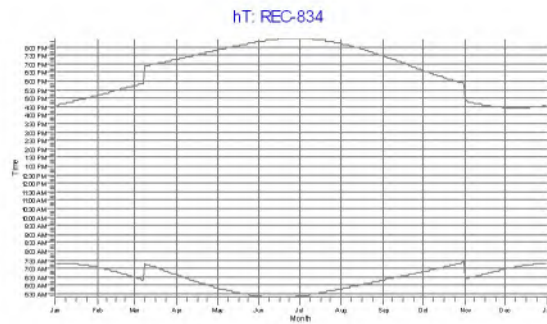
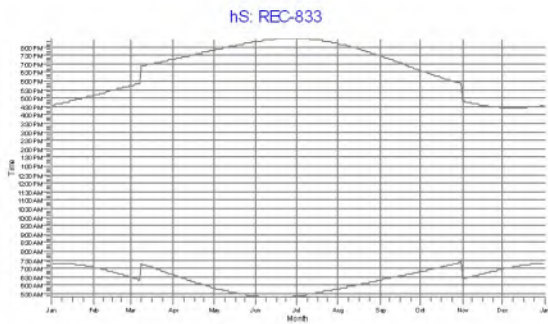
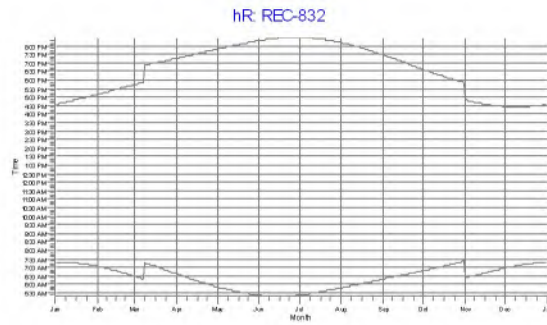
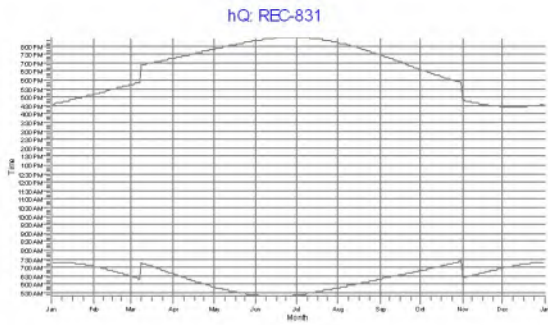
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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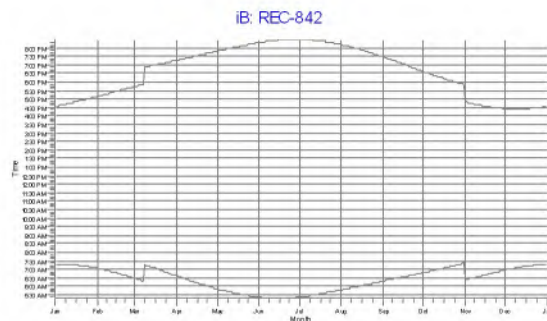
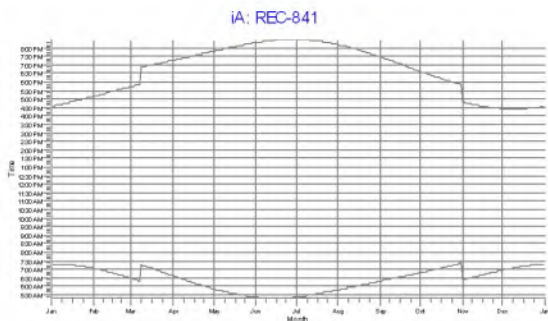
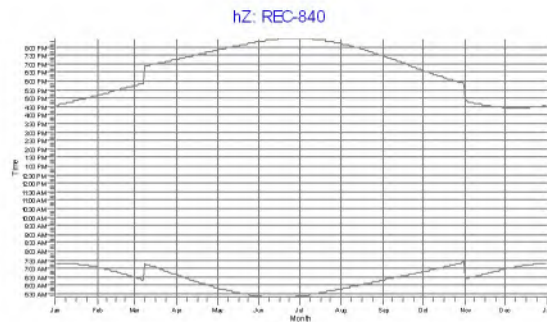
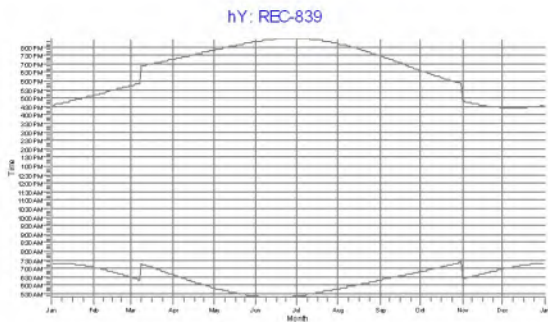
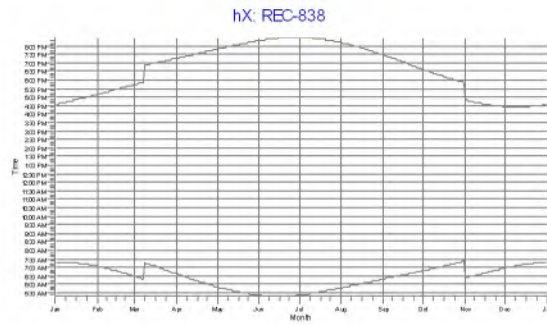
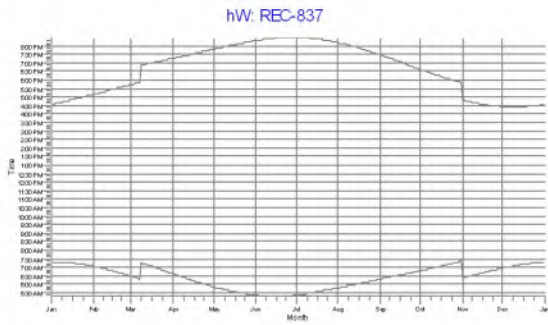
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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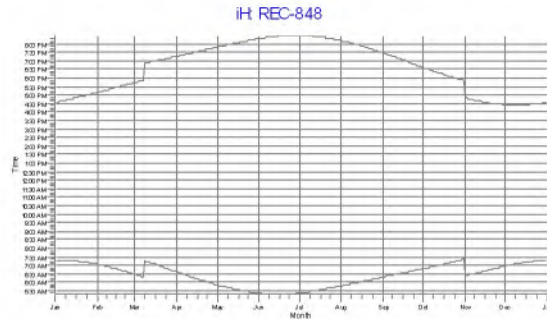
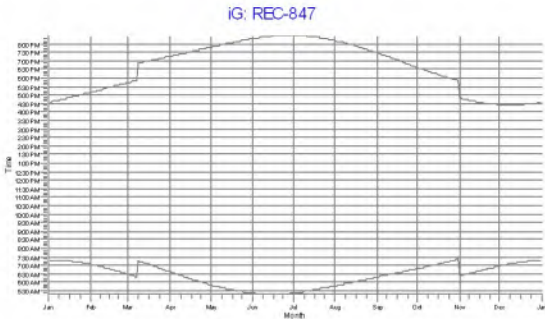
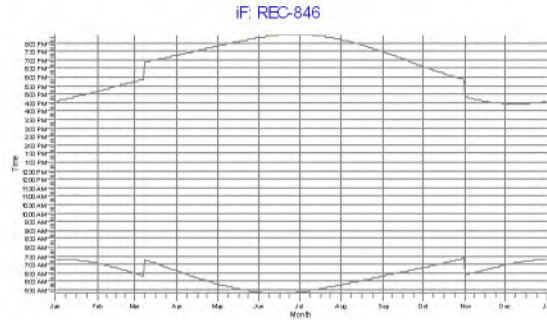
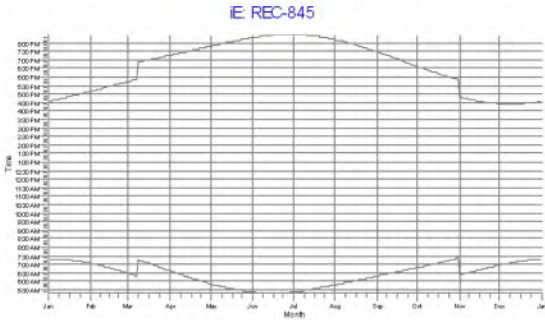
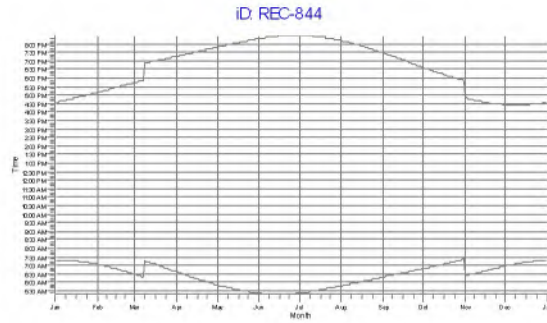
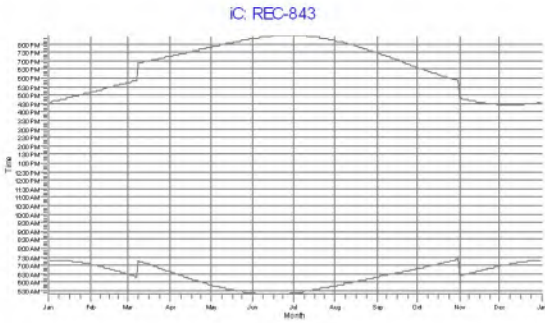
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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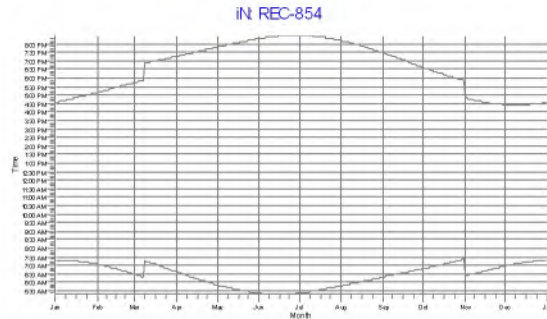
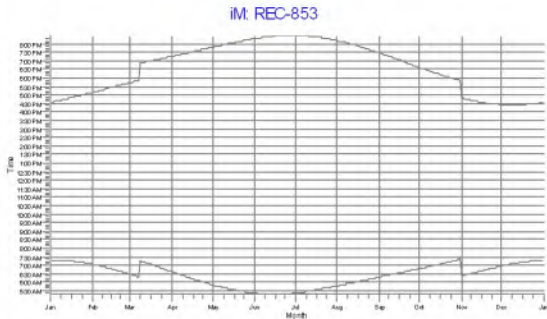
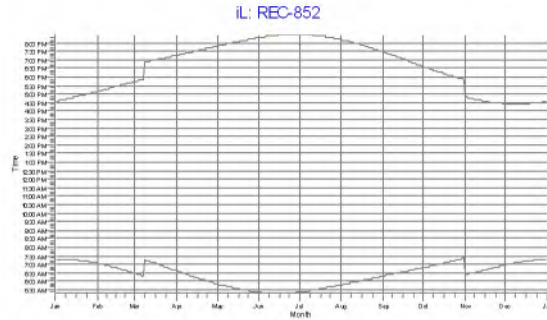
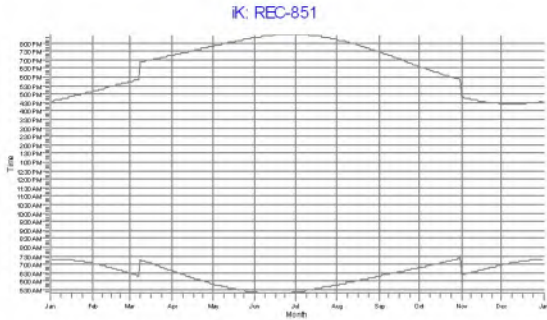
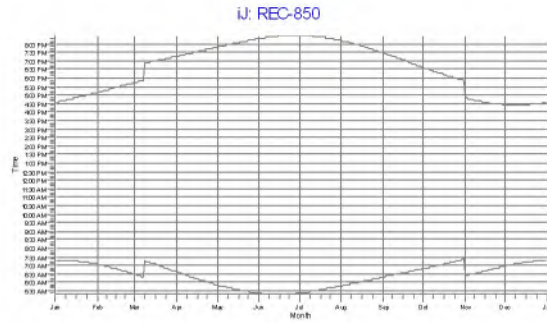
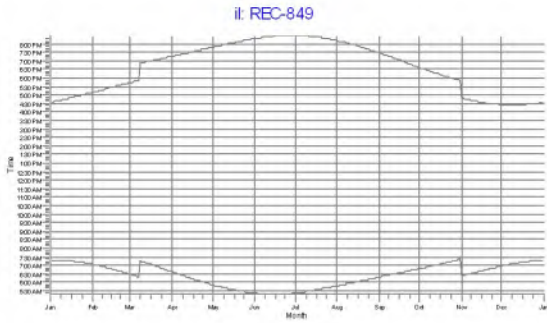
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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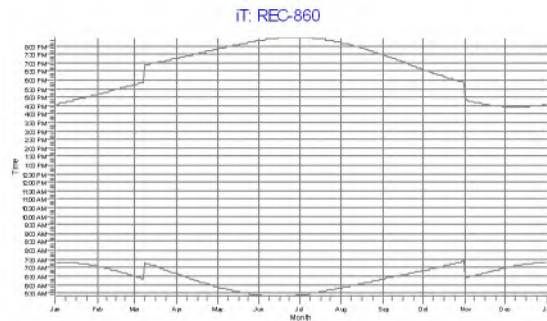
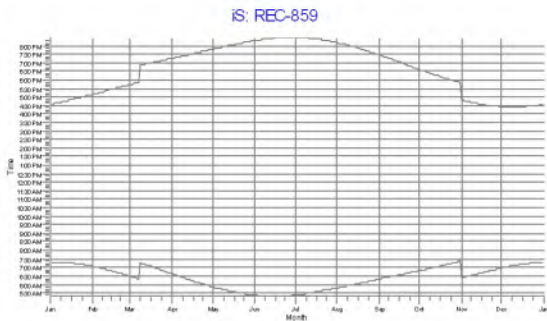
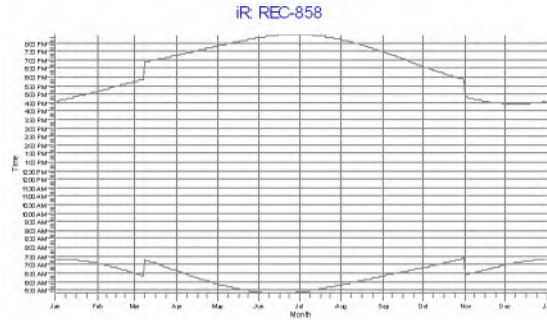
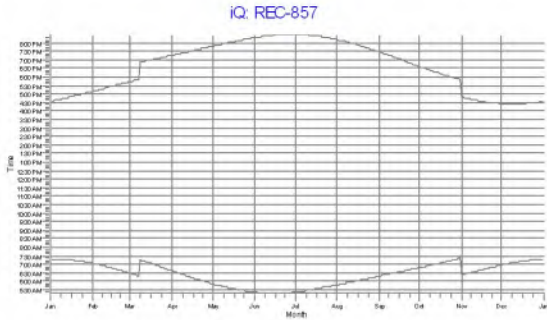
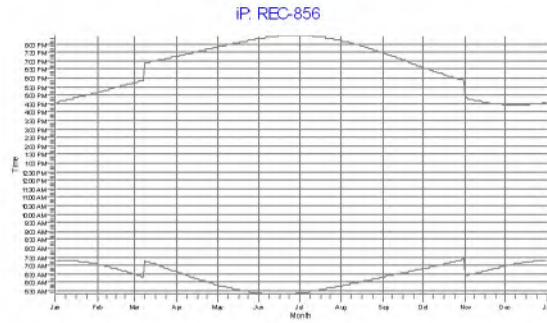
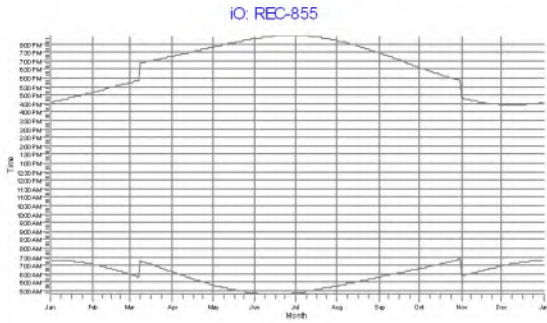
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

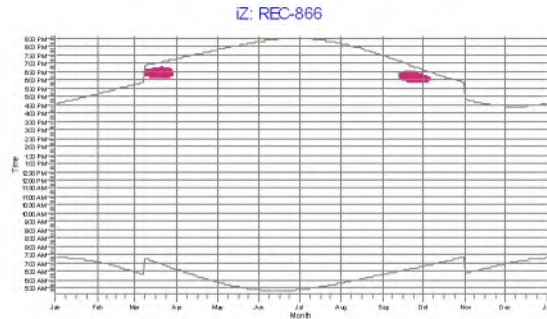
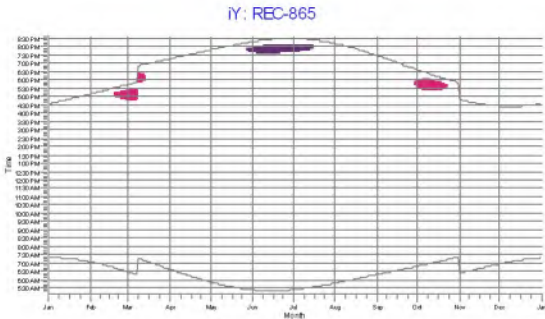
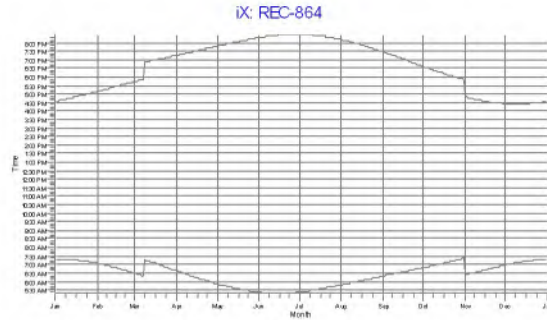
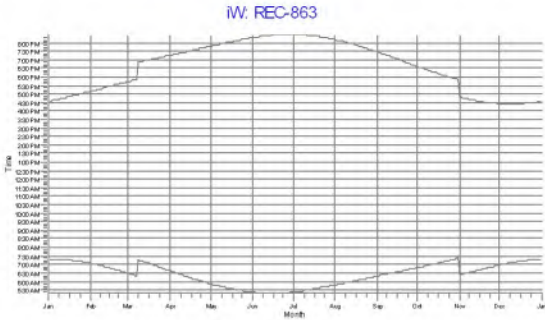
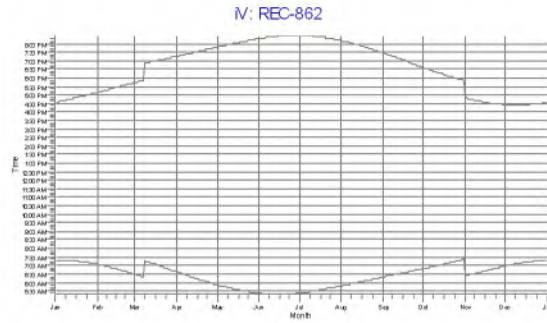
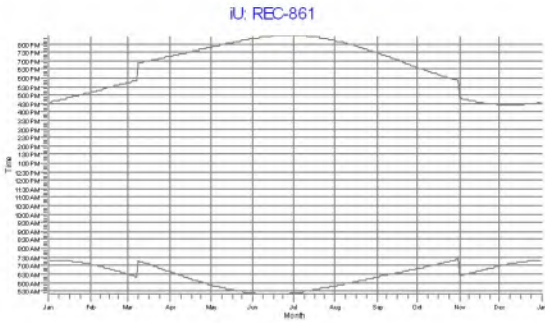
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132138 - Pattern - Heritage Prairie Wind_v6

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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
■ 101: K73
■ 102: K74

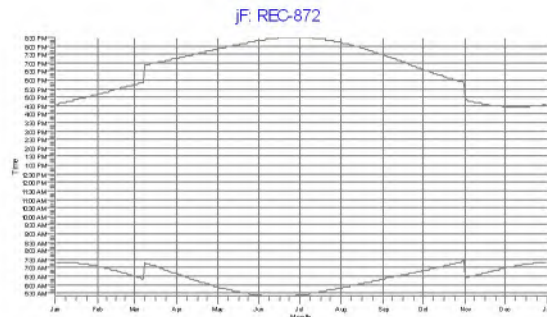
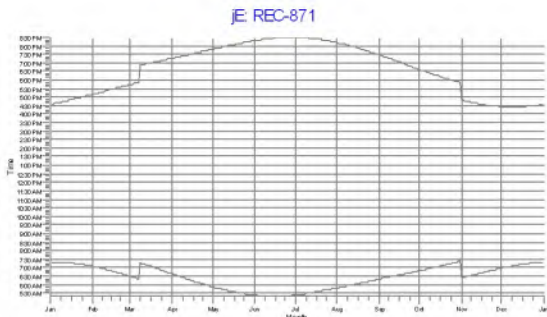
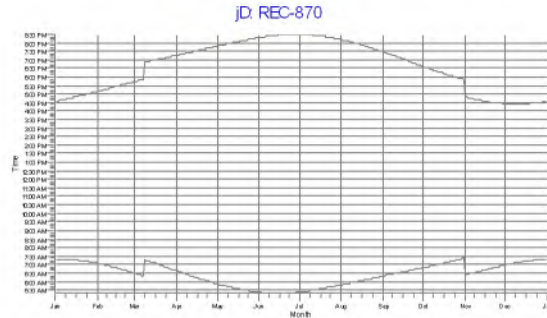
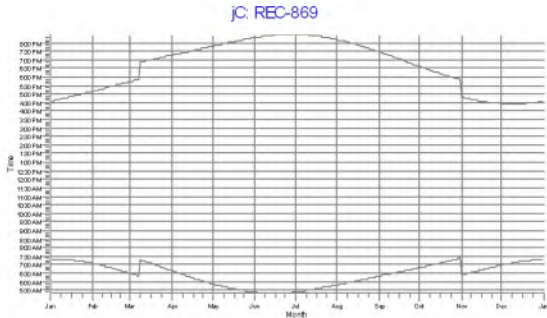
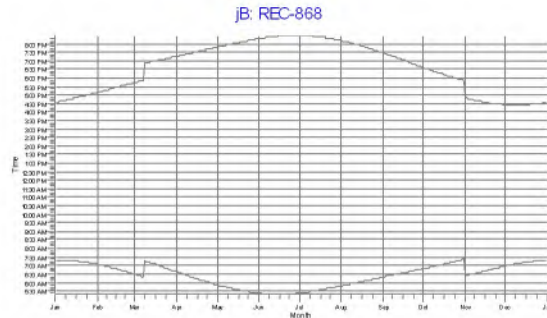
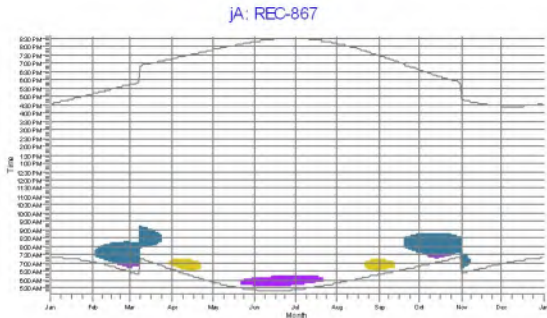
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SHADOW - Calendar, graphical

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WTGs

120: K101 121: K79 123: K77 135: K205

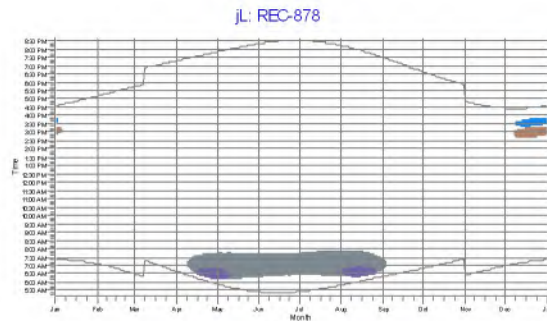
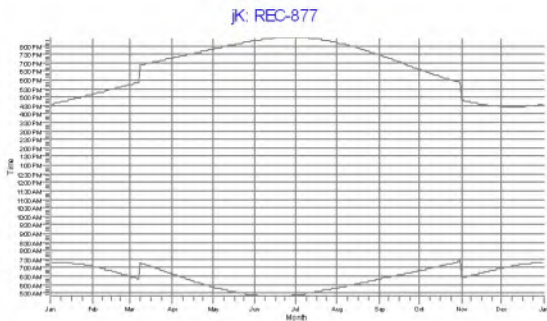
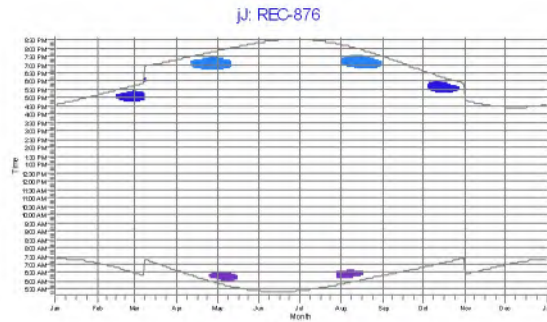
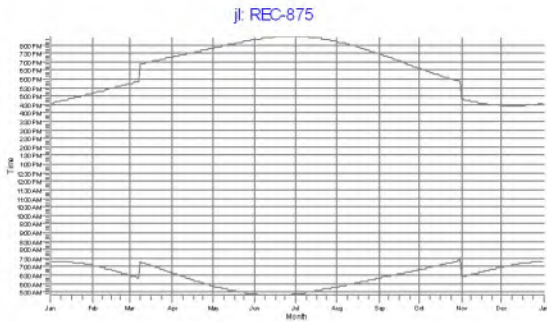
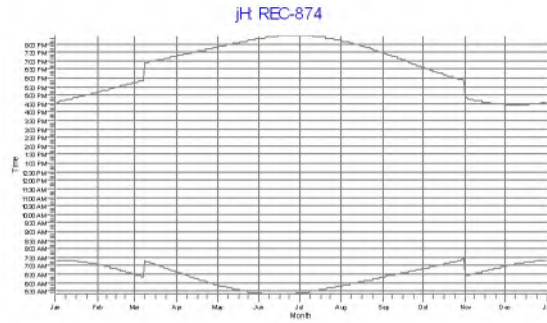
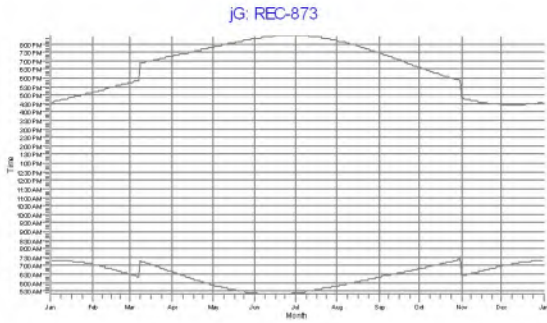
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs



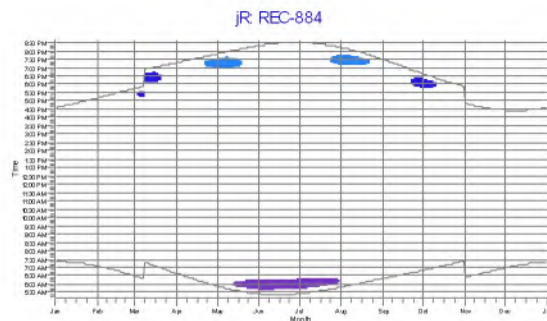
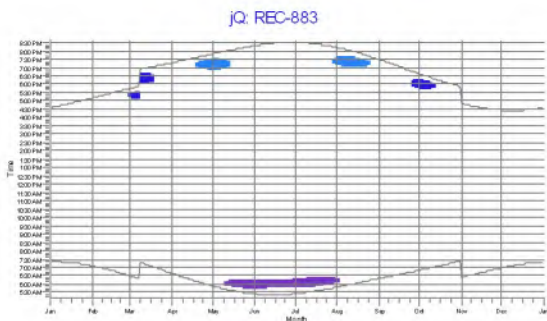
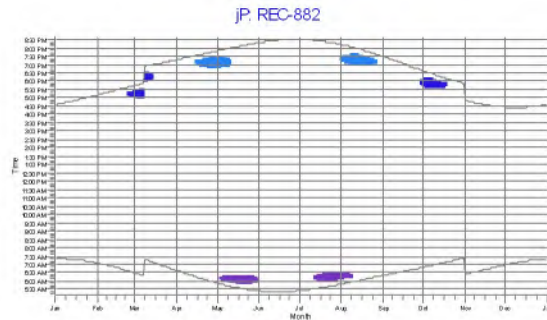
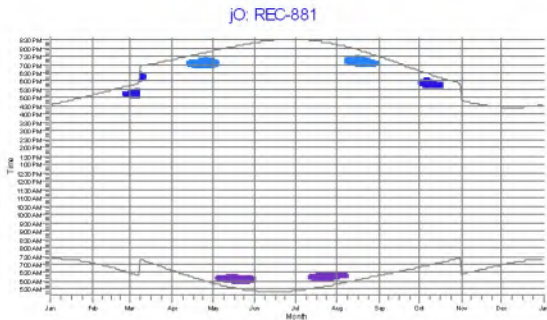
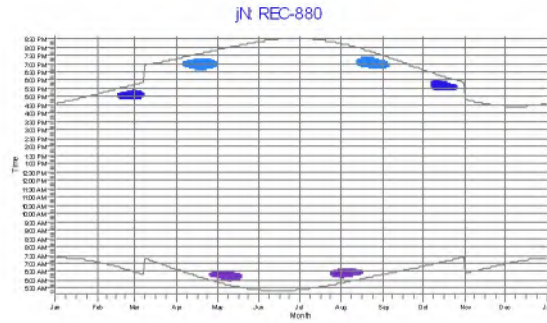
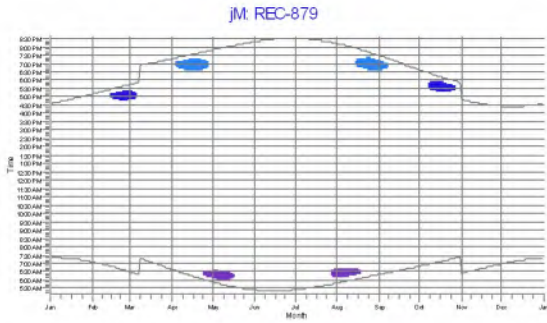
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SHADOW - Calendar, graphical

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WTGs

36: L61 39: L64 55: L87

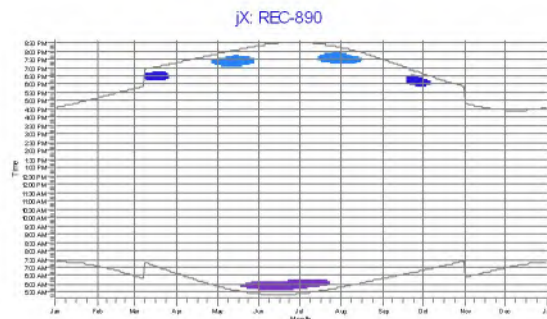
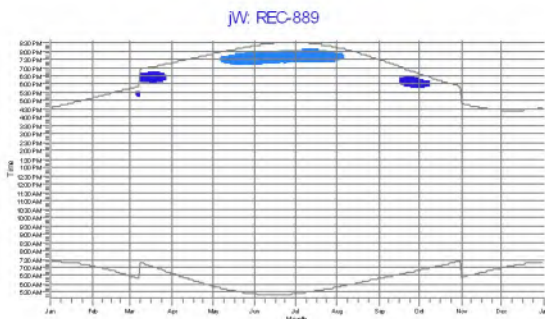
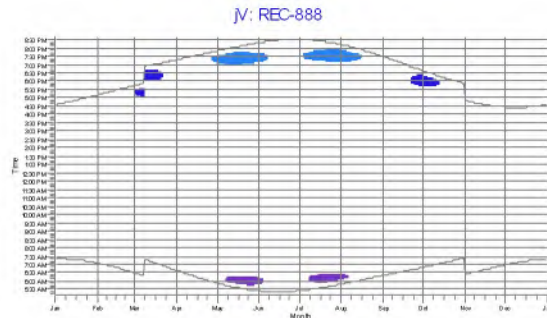
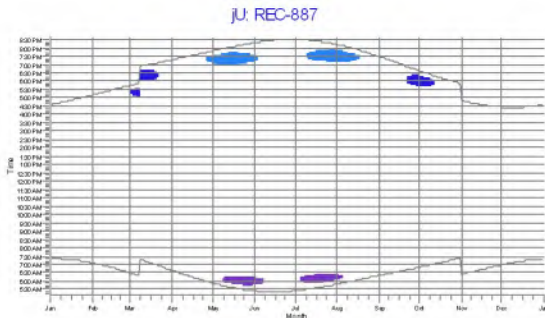
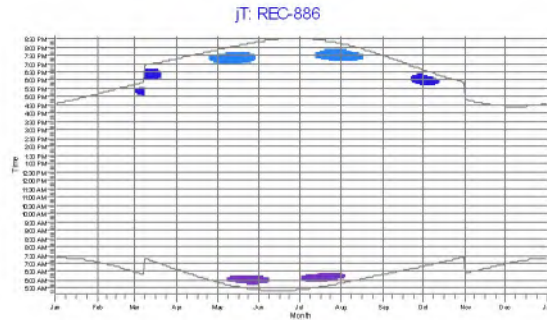
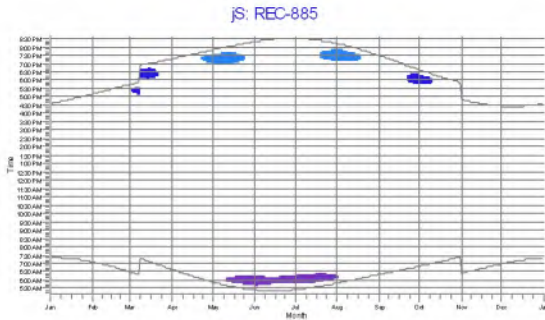
Project:
132138 - Pattern - Heritage Prairie Wind_v6

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Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61 39: L64 55: L87

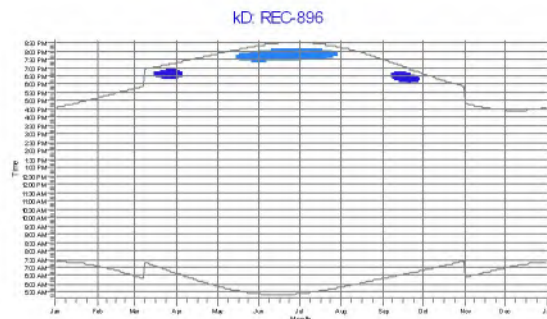
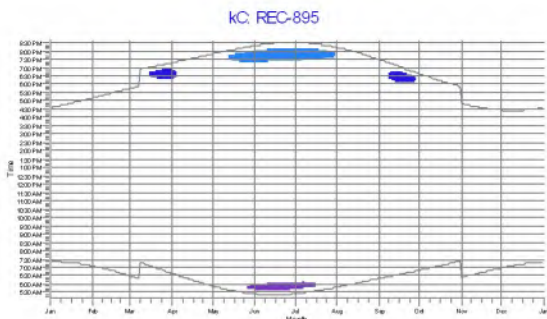
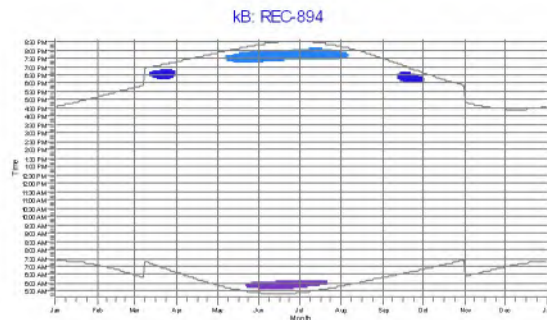
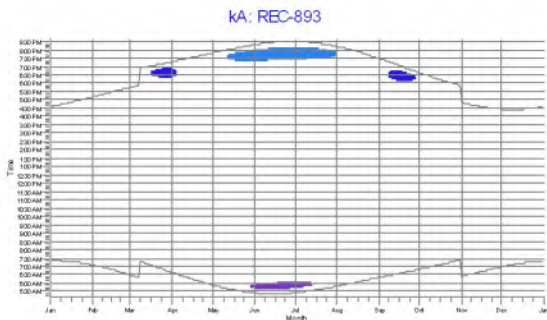
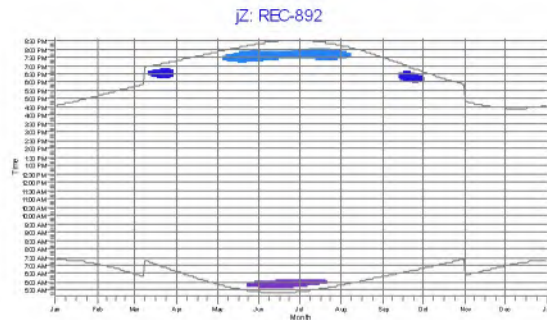
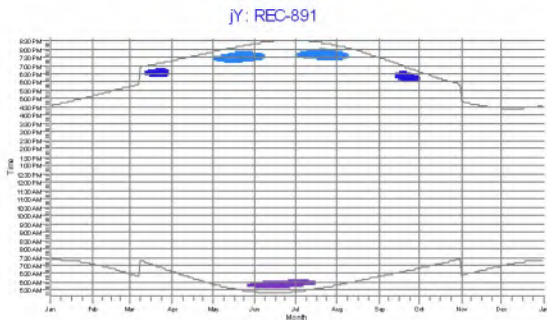
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SHADOW - Calendar, graphical

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WTGs

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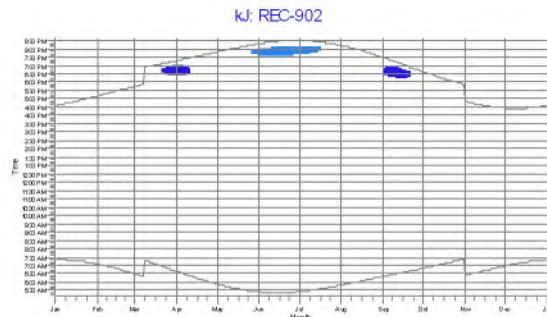
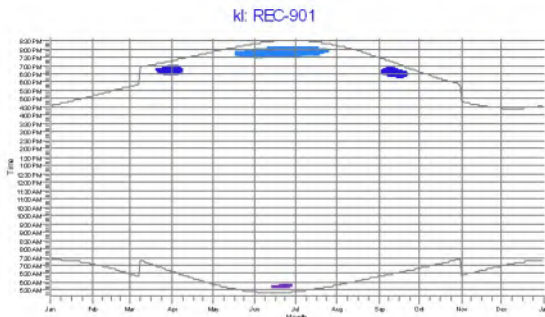
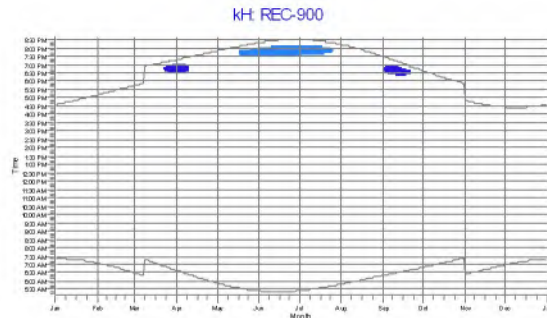
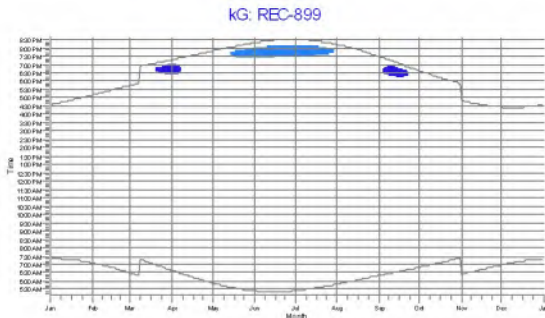
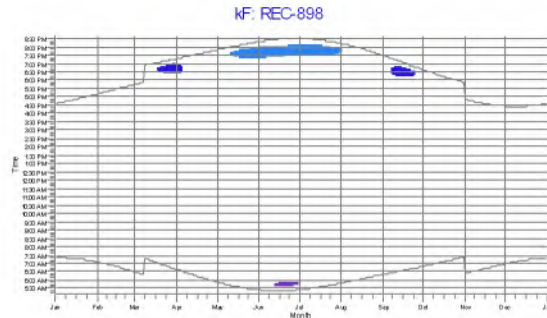
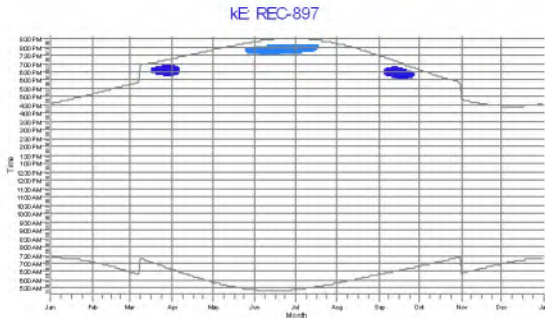
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SHADOW - Calendar, graphical

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WTGs

36: L61 39: L64 55: L87

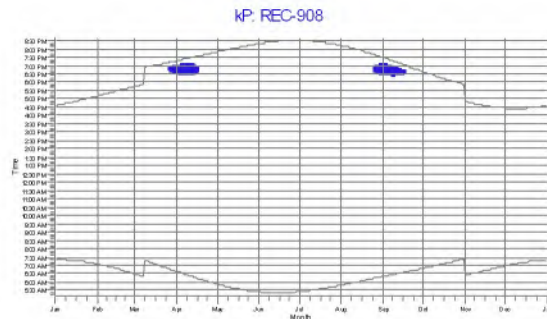
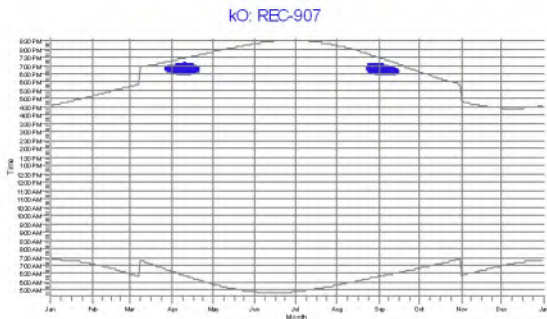
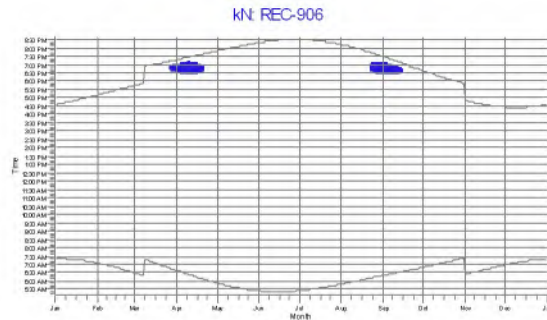
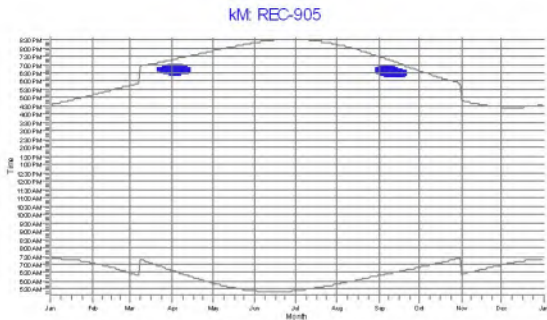
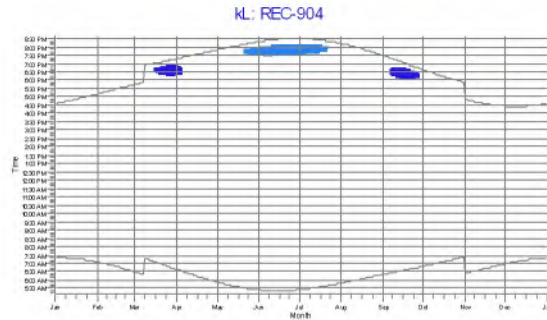
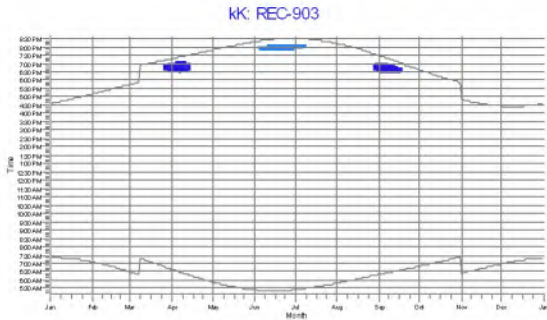
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61 39: L64

Project:

132138 - Pattern - Heritage Prairie Wind_v6

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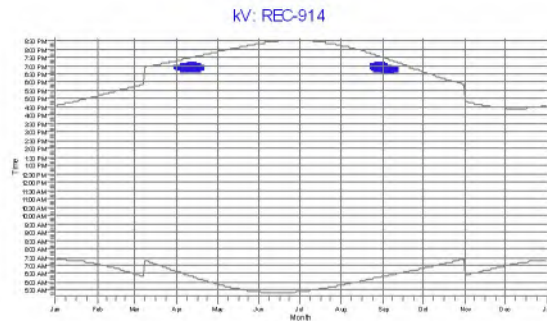
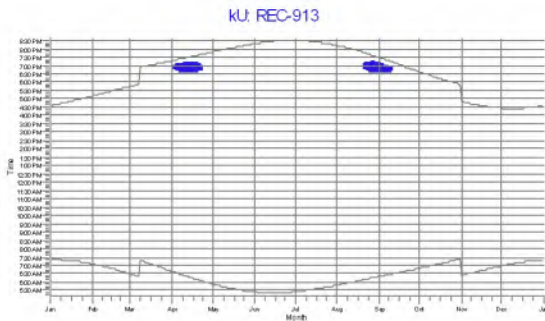
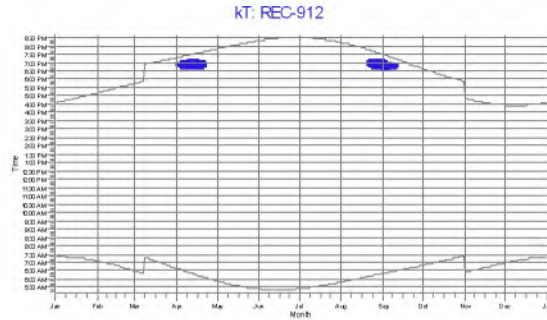
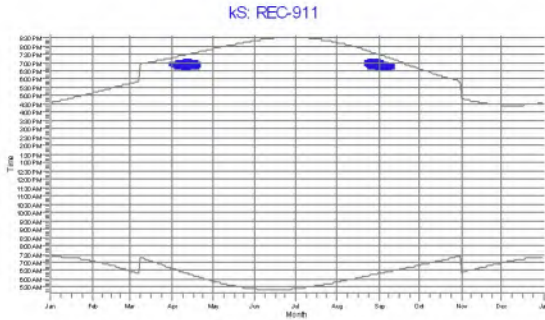
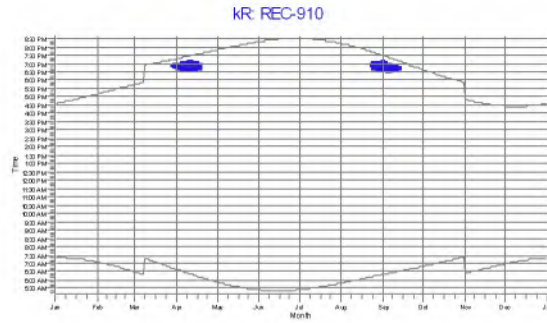
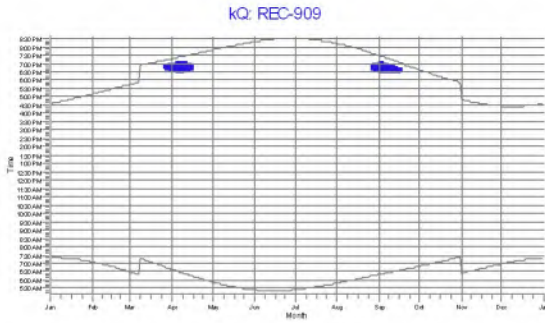
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61

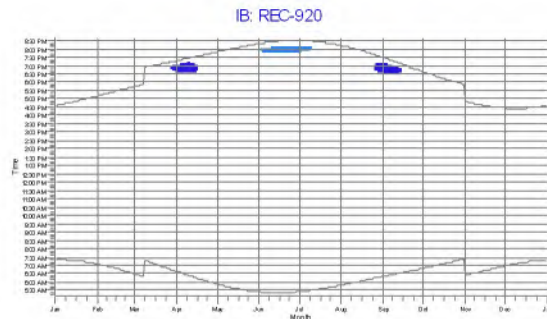
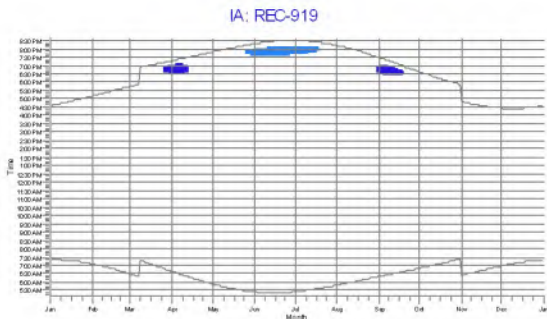
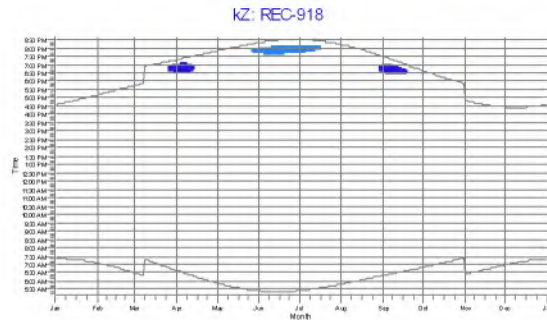
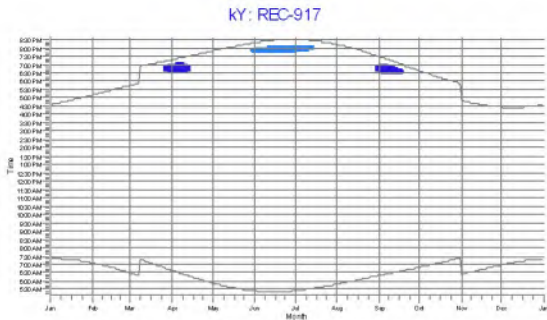
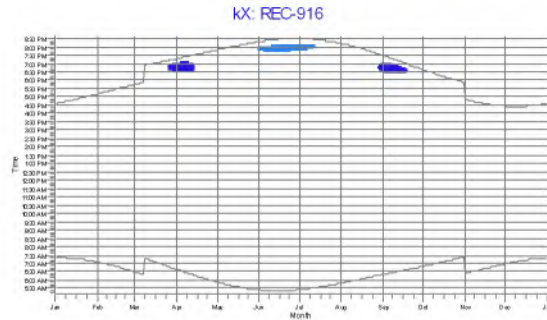
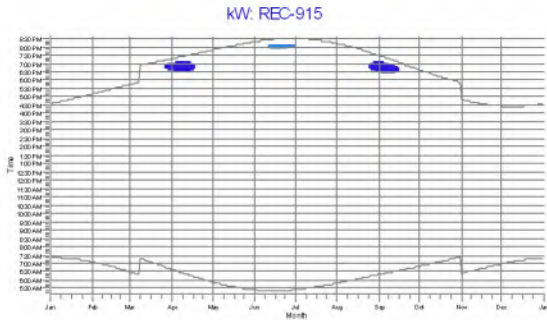
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61 39: L64

Project:

132138 - Pattern - Heritage Prairie Wind_v6

Description:

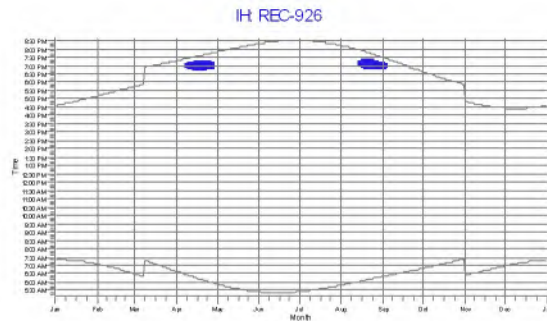
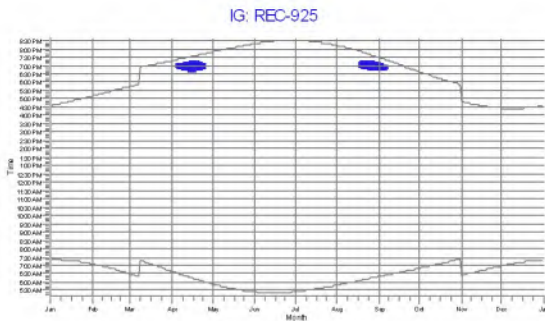
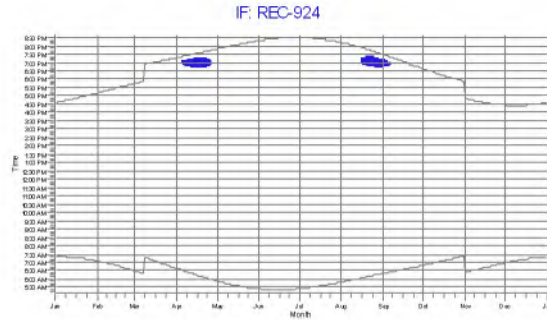
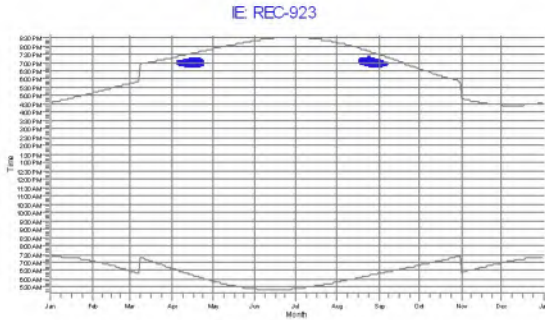
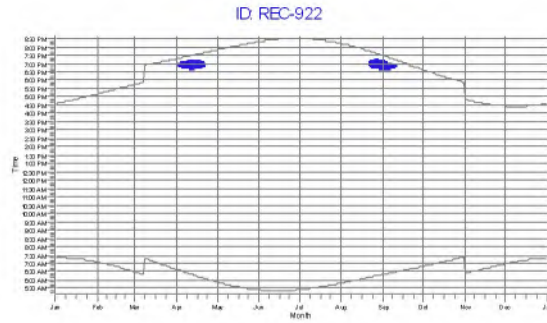
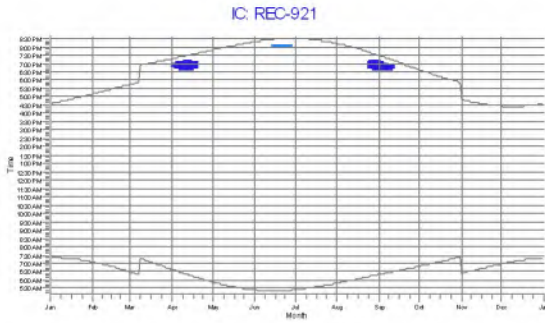
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

	36: L61		39: L64
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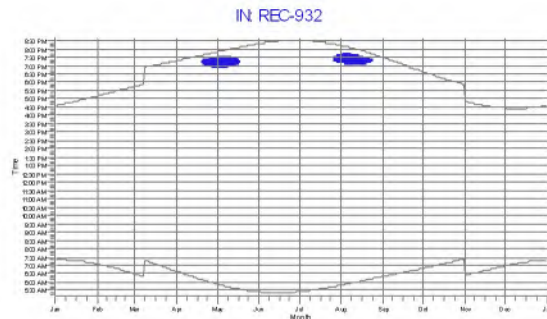
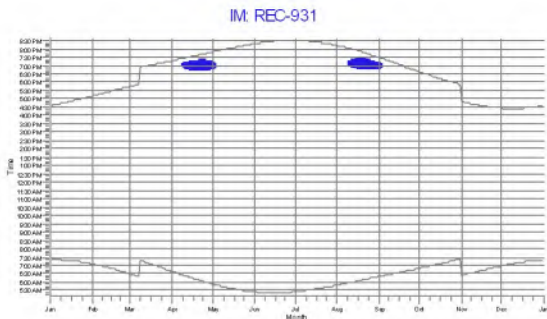
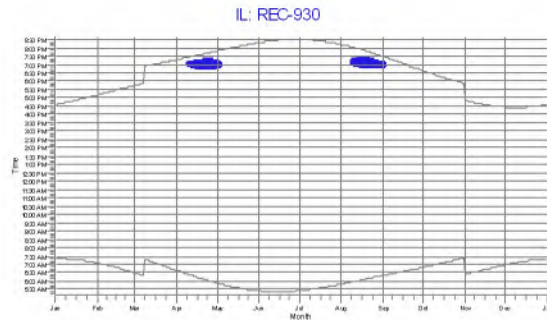
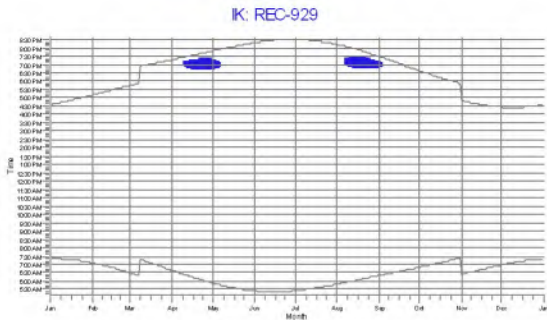
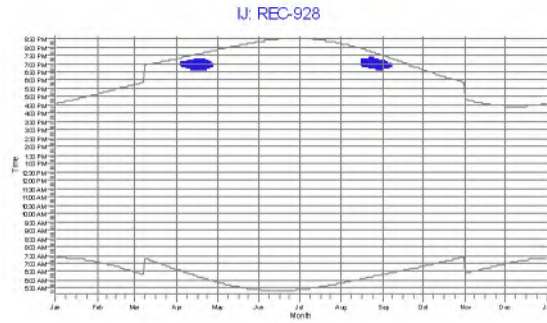
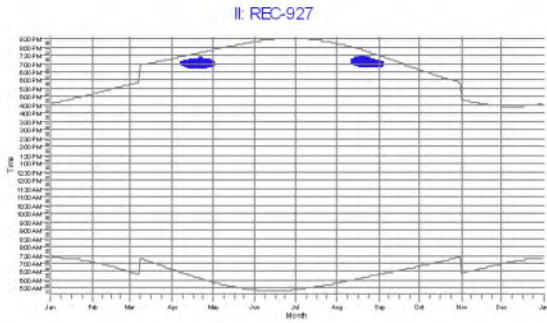
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SHADOW - Calendar, graphical

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WTGs
36: L61

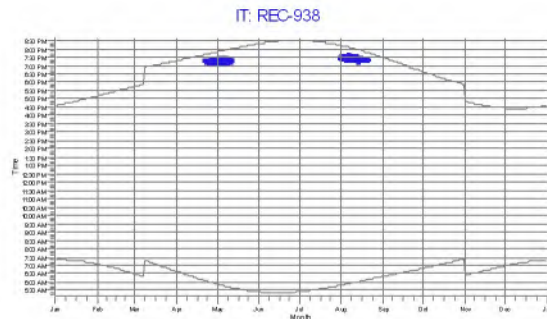
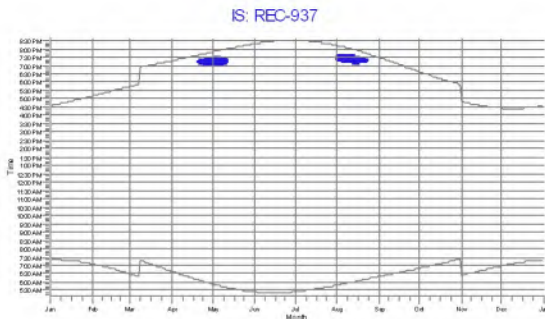
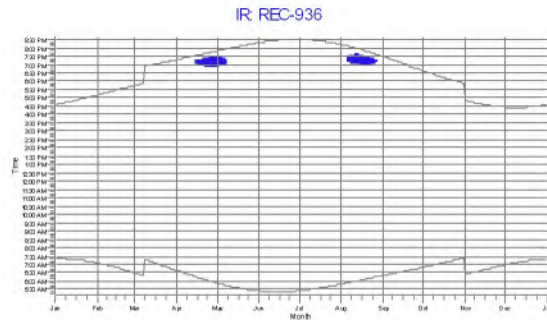
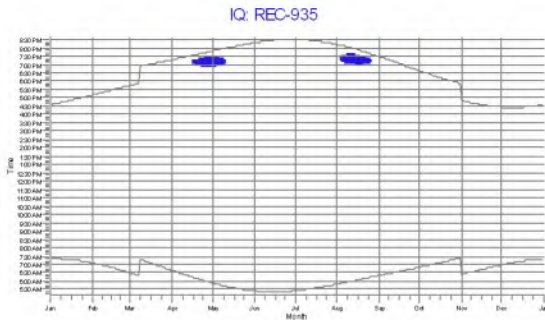
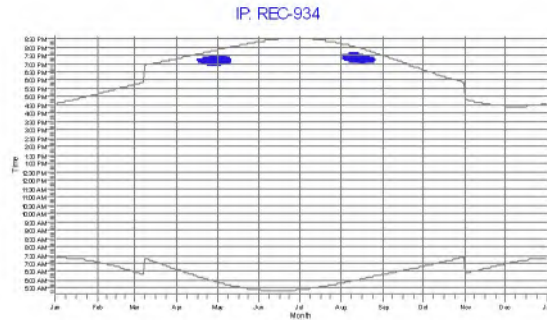
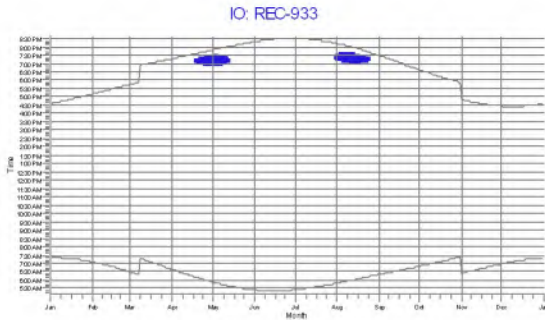
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SHADOW - Calendar, graphical

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WTGs
36: L61

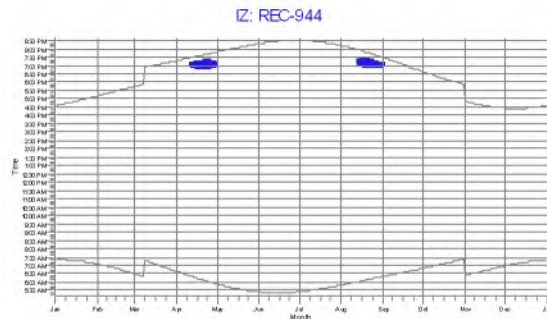
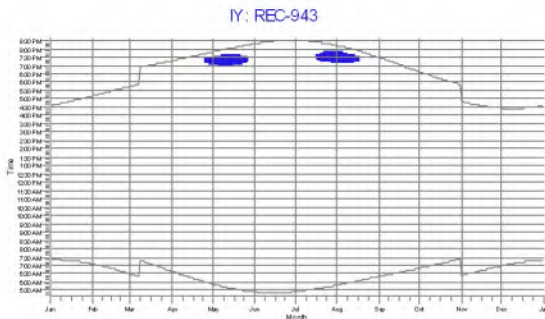
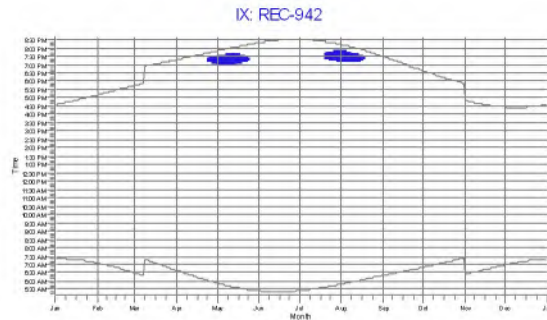
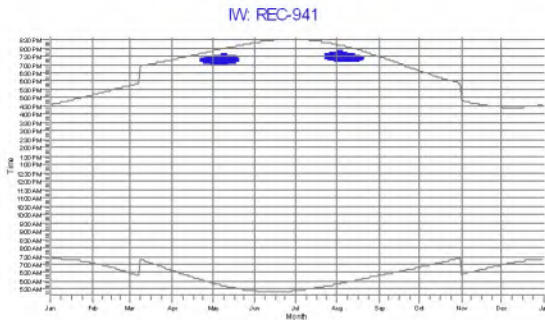
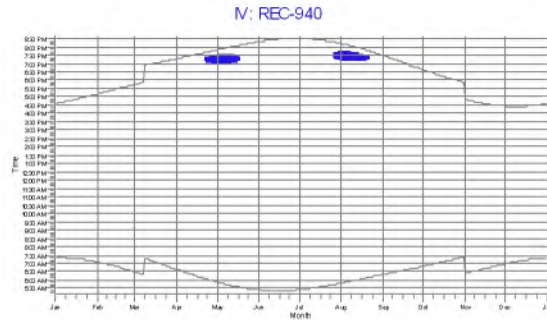
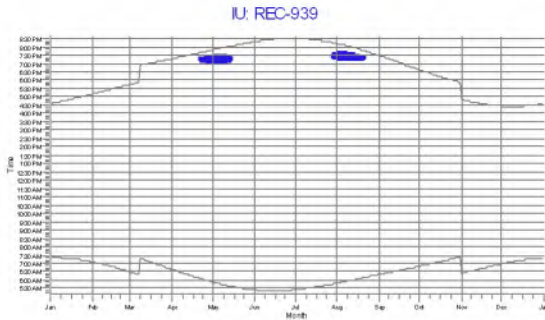
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SHADOW - Calendar, graphical

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WTGs
36: L61

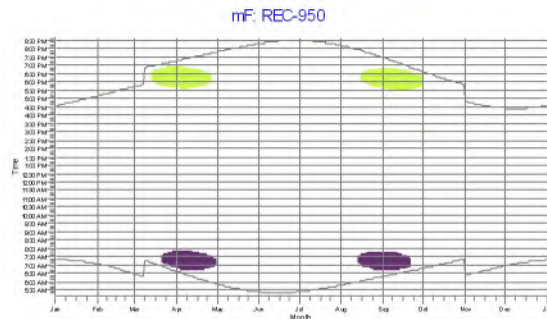
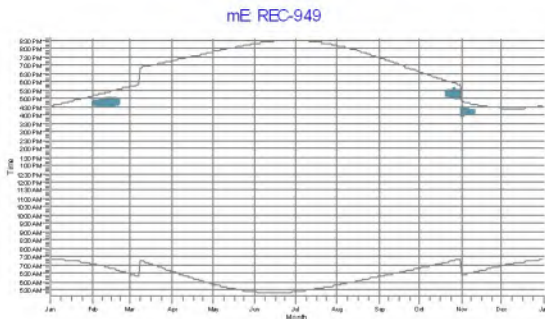
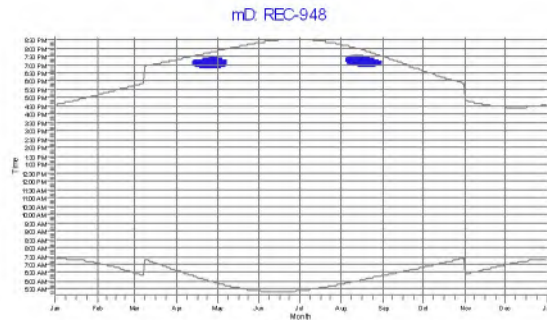
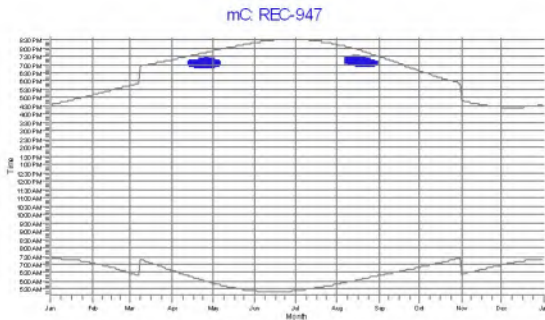
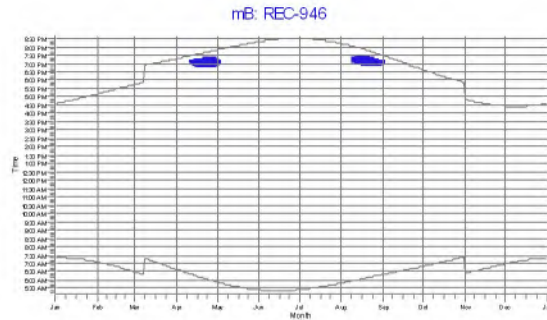
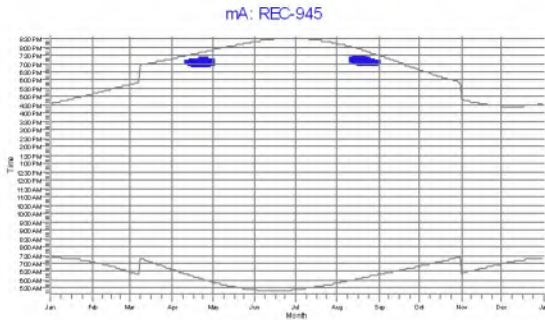
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SHADOW - Calendar, graphical

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WTGs

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Project:

132138 - Pattern - Heritage Prairie Wind_v6

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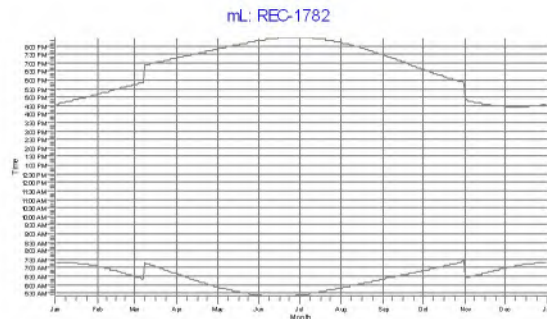
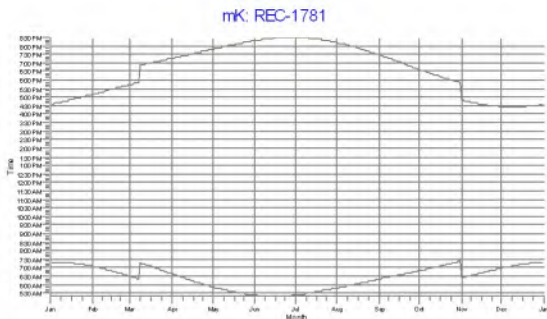
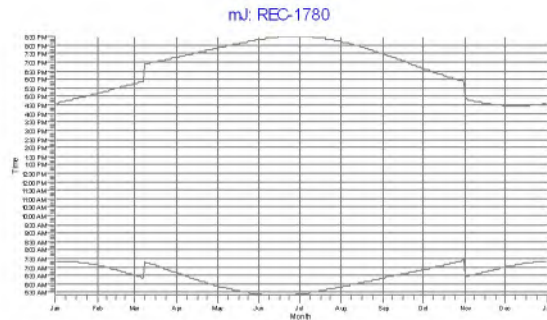
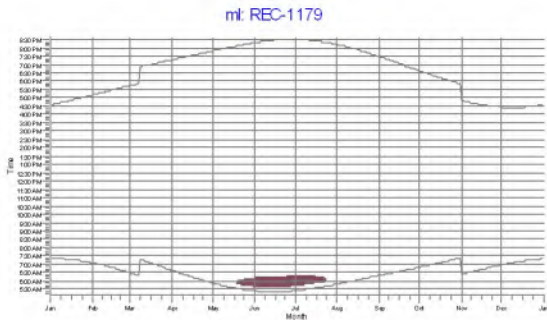
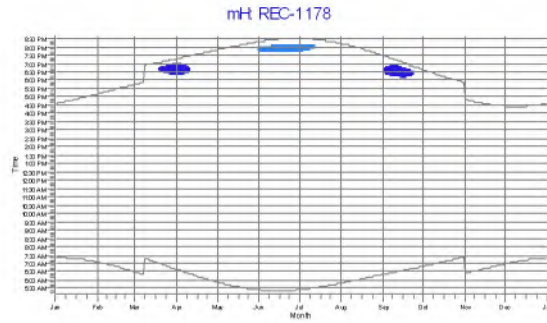
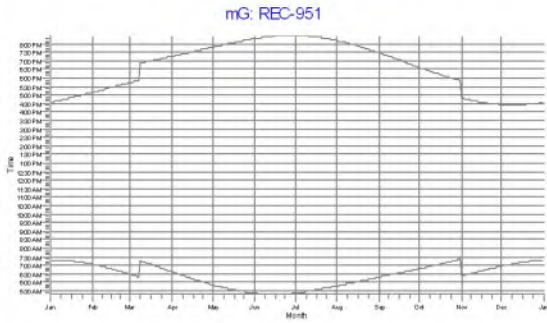
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Anna Jordan / anna.jordan@1898andco.com
Calculated:
1/30/2024 2:50 PM/3.0.654

SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs

36: L61
 39: L64
 79: K13

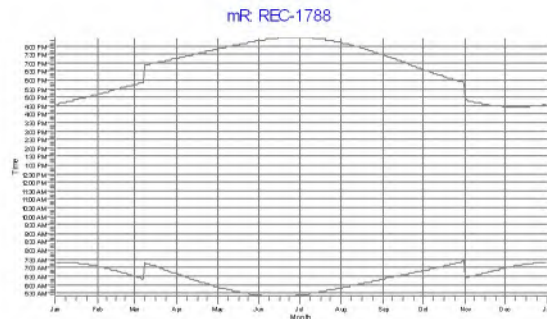
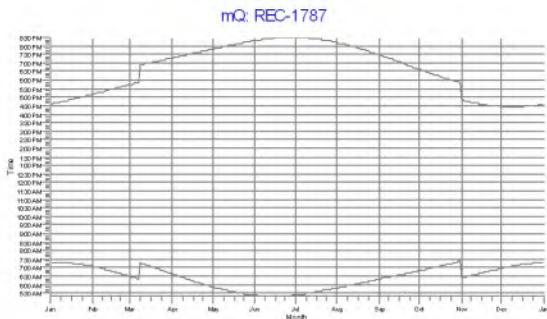
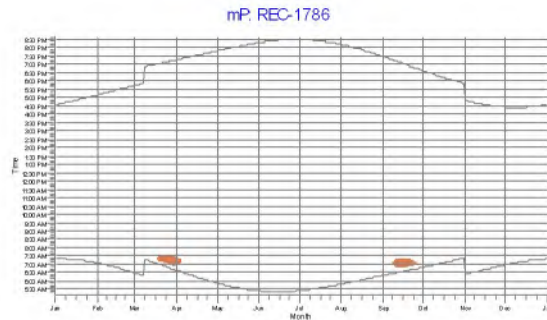
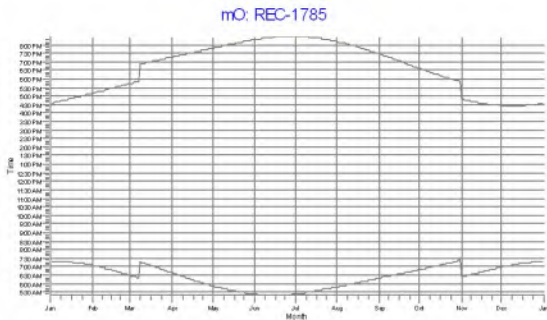
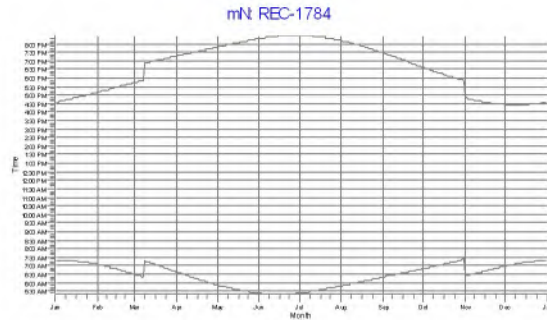
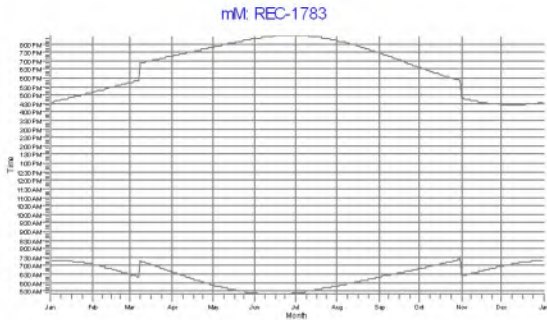
Project:
132138 - Pattern - Heritage Prairie Wind_v6

Description:
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SHADOW - Calendar, graphical

Calculation: 132138 - Pattern - Heritage Prairie Wind - v6 (Vestas, Estimated Sunshine)



WTGs
112: K92

