

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF SOUTH DAKOTA**

**IN THE MATTER OF THE)
APPLICATION OF CROWNED)
RIDGE WIND, LLC FOR A) EL-19-003
PERMIT OF A WIND ENERGY)
FACILITY IN GRANT)
AND CODINGTON COUNTIES)**

**IN THE MATTER OF THE)
STAFF’S PETITION FOR)
A SHOW CAUSE ORDER) EL20-002
REGARDING)
CROWNED RIDGE WIND, LLC)**

WEEKLY REPORT ON AIRCRAFT DETECTION LIGHT SYSTEM

On May 26, 2020, in Docket Nos. EL19-003 and EL20-002 Crowned Ridge Wind, LLC (“Crowned Ridge”) committed to file weekly reports that (1) show the same information in Table 1 of the May 26, 2020 submittal for the previous week; and (2) explain what adjustments and filters were applied to the Aircraft Detection Light System (“ADLS”) in that week.

This report provides the weekly table for June 29-July 5, 2020 and explains adjustments and filters applied in the past week.

TABLE 1 FOR WEEK OF JUNE 29, 2020 TO JULY 5, 2020

Sunset	Sunrise	Total night hours	Lights on hours during night	Lights on night percentage	Hours warning lights were on due to aircraft in the area
6/28/2020 20:18	6/29/2020 04:43	8.42	8.42	100 ¹	N/A
6/29/2020 20:17	6/30/2020 04:44	8.44	1.81	21.47	1.81
6/30/2020 20:17	7/1/2020 04:44	8.45	6.53	77.32	3.13
7/1/2020 20:17	7/2/2020 04:45	8.46	2.01	23.77	1.98

¹ As explained in the July 1, 2020 weekly report, on the night of June 28-29, the warning lights were activated for the entire night due to an electrical interruption impacting power to the radars. The electrical issue has been resolved, and the ADLS is operational.

7/2/2020 20:17	7/3/2020 04:45	8.47	1.36	16.05	1.31
7/3/2020 20:17	7/4/2020 04:46	8.49	2.48	29.18	2.48
7/4/2020 20:16	7/5/2020 04:46	8.5	2.45	28.79	1.74

Adjustments, Filters, and Corrective Action Taken the Week of June 29-July 5, 2020

During the past week, Crowned Ridge continued to review track filter algorithms in an effort to ensure valid aircraft data will activate the lights, and, as explained in its July 1, 2020 weekly report, worked to implement a more robust false positive filter, which is expected to be installed on or before July 10, 2020.

Sincerely,

July 7, 2020

/s/ Miles Schumacher

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