



TransAlta Corporation

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September 7, 2021

Jonathan Evans, Chair  
New Hampshire Site Evaluation Committee  
21 South Fruit Street, Suite 10  
Concord, NH  
03301

Dear Mr. Evans:

**RE: Docket No. 2021-02 - Antrim Wind Energy - Aviation Detection Lighting System (ADLS) Activity August, 2021**

For your consideration; TransAlta has compiled a list of daily Antrim ADLS activity for the month of August, 2021.

We hope this information helps to clarify the recent activity and appreciate your patience as we work with our vendor to optimize the Antrim ADLS. If you have any further questions, please feel free to email myself and I will respond as quickly as possible.

Yours truly,

**TRANSALTA CORPORATION**

A handwritten signature in black ink, appearing to read "Gavin MacPhee".

Gavin MacPhee  
Specialist, Environmental – Wind and Solar Operations



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**Antrim Wind Energy – Aviation Detection Lighting System (ADLS) Daily Summary  
August, 2021**



Full daily report

Daily report created at

2021/08/01 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:12:00  
 Sunrise 09:38:00

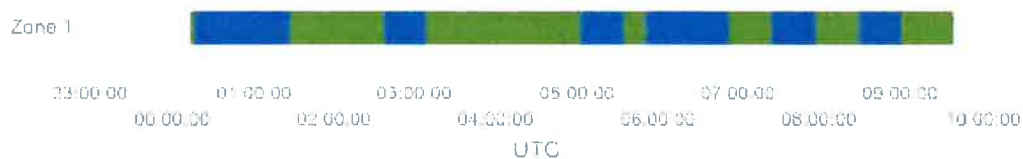
**Timeframe**

**From:** 2021/07/31 16:00:10 UTC  
**To:** 2021/08/01 15:59:40 UTC

Mode	Timestamp
------	-----------

## Light control

 Lights deactivated  
 Lights activated



Sunset 00:12:00 UTC

Sunrise 09:38:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	44.89 %	55.11 %



Full daily report

Daily report created at

2021/08/02 15:59:55 UTC

## Current status

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:11:00  
 Sunrise 09:39:00

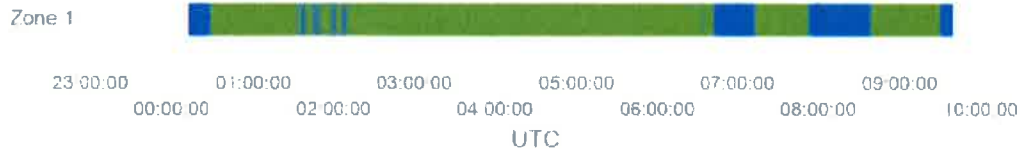
## Timeframe

From: 2021/08/01 16:00:10 UTC  
 To: 2021/08/02 15:59:40 UTC

Mode Timestamp

## Light control

 Lights deactivated  
 Lights activated



Sunset 00:11:00 UTC

Sunrise 09:39:00 UTC

## Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	19.68 %	80.32 %



Full daily report

Daily report created at

2021/08/03 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:10:00  
 Sunrise 09:40:00

**Timeframe**

From: 2021/08/02 16:00:10 UTC

To: 2021/08/03 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 00:10:00 UTC

Sunrise 09:40:00 UTC

Percentage - Night. between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	36.06 %	63.94 %

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Full daily report

**Daily report created at****2021/08/04 15:59:55 UTC****Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:08:00  
 Sunrise 09:41:00

**Timeframe****From:** 2021/08/03 16:00:10 UTC**To:** 2021/08/04 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 00:08:00 UTC

Sunrise 09:41:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	34.63 %	65.37 %



Full daily report

Daily report created at

2021/08/05 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:07:00  
 Sunrise 09:42:00

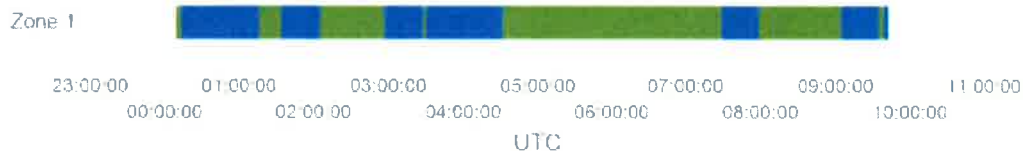
**Timeframe**

**From:** 2021/08/04 16:00:10 UTC  
**To:** 2021/08/05 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 00:07:00 UTC

Sunrise 09:42:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	43.45 %	56.55 %

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Full daily report

**Daily report created at****2021/08/06 15:59:55 UTC****Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:06:00  
 Sunrise 09:43:00

**Timeframe****From: 2021/08/05 16:00:10 UTC****To: 2021/08/06 15:59:40 UTC**

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 00:06:00 UTC

Sunrise 09:43:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	52.13 %	47.87 %



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Full daily report

**Daily report created at****2021/08/07 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      00:05:00  
 Sunrise                     09:44:00

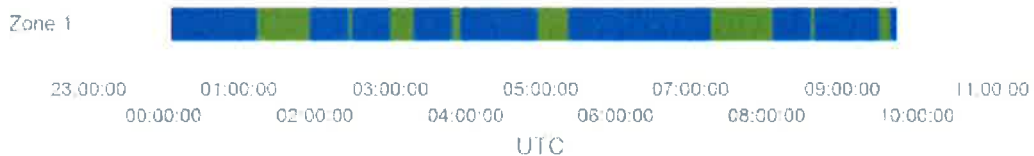
**Timeframe**

**From:**            2021/08/06 16:00:10 UTC  
**To:**                2021/08/07 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 00:05:00 UTC

Sunrise 09:44:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	72.47 %	27.53 %



Full daily report

**Daily report created at**

**2021/08/08 15:59:55 UTC**

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:03:00  
 Sunrise 09:45:00

**Timeframe**

**From:** 2021/08/07 16:00:10 UTC  
**To:** 2021/08/08 15:59:40 UTC

**Mode** **Timestamp**

## Light control

Lights deactivated  
 Lights activated



Sunset 00:03:00 UTC

Sunrise 09:45:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	46.41 %	53.59 %



Full daily report

Daily report created at

2021/08/09 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:02:00  
 Sunrise 09:46:00

**Timeframe**

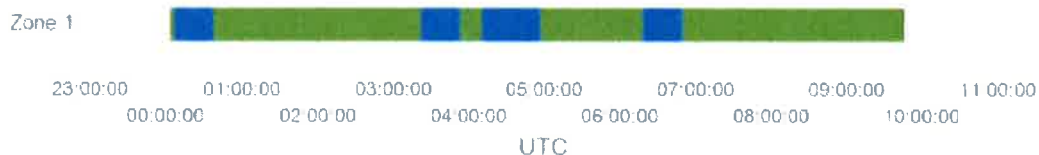
From: 2021/08/08 16:00:10 UTC

To: 2021/08/09 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 00:02:00 UTC

Sunrise 09:46:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	23.56 %	76.44 %



Full daily report

**Daily report created at**

**2021/08/10 15:59:55 UTC**

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 00:01:00  
 Sunrise 09:47:00

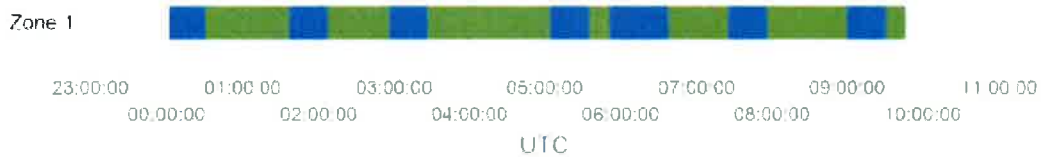
**Timeframe**

**From:** 2021/08/09 16:00:10 UTC  
**To:** 2021/08/10 15:59:40 UTC

Mode	Timestamp
------	-----------

## Light control

 Lights deactivated  
 Lights activated



Sunset 00:01:00 UTC

Sunrise 09:47:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	38.60 %	61.40 %

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Full daily report

**Daily report created at****2021/08/11 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:59:00  
 Sunrise                    09:49:00

**Timeframe****From:            2021/08/10 16:00:10 UTC****To:                2021/08/11 15:59:40 UTC**

Mode	Timestamp
------	-----------

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:59:00 UTC

Sunrise 09:49:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	42.30 %	57.70 %



Full daily report

Daily report created at

2021/08/12 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:58:00  
 Sunrise 09:50:00

**Timeframe**

**From:** 2021/08/11 16:00:10 UTC  
**To:** 2021/08/12 15:59:40 UTC

**Mode** **Timestamp**

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:58:00 UTC

Sunrise 09:50:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	54.32 %	45.68 %



Full daily report

Daily report created at

2021/08/13 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:56:00  
 Sunrise 09:51:00

**Timeframe**

From: 2021/08/12 16:00:10 UTC  
 To: 2021/08/13 15:59:40 UTC

Mode Timestamp

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:56:00 UTC

Sunrise 09:51:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	35.14 %	64.86 %

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Full daily report

**Daily report created at****2021/08/14 15:59:56 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:55:00  
 Sunrise                    09:52:00

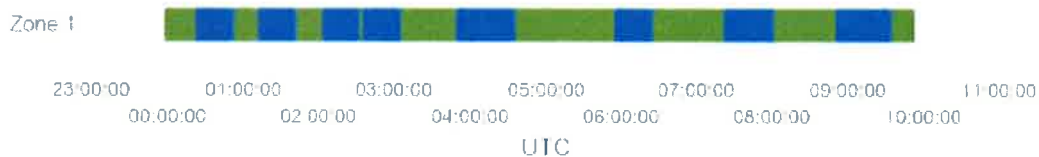
**Timeframe**

**From:**            2021/08/13 16:00:10 UTC  
**To:**                2021/08/14 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:55:00 UTC

Sunrise 09:52:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	47.22 %	52.78 %





Full daily report

Daily report created at

2021/08/15 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:53:00  
 Sunrise 09:53:00

**Timeframe**

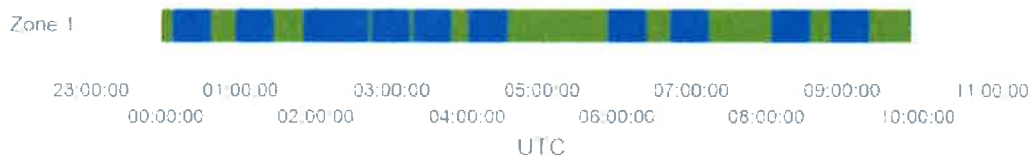
From: 2021/08/14 16:00:10 UTC

To: 2021/08/15 15:59:40 UTC

Mode	Timestamp
------	-----------

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:53:00 UTC

Sunrise 09:53:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	54.26 %	45.74 %



Full daily report

Daily report created at

2021/08/16 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:52:00  
 Sunrise 09:54:00

**Timeframe**

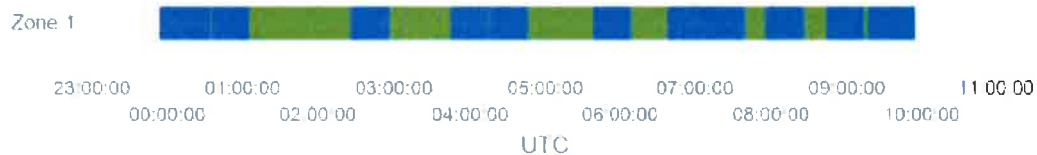
From: 2021/08/15 16:00:10 UTC

To: 2021/08/16 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:52:00 UTC

Sunrise 09:54:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	58.51 %	41.49 %

**TERMA<sup>™</sup>** Full daily report

**Daily report created at** **2021/08/17 15:59:55 UTC**

**Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                         Auto  
 Latitude                    43.074417  
 Longitude                 -72.005597  
 Sunset                      23:50:00  
 Sunrise                     09:55:00

**Timeframe**

**From:**           **2021/08/16 16:00:10 UTC**  
**To:**               **2021/08/17 15:59:40 UTC**

**Mode**                                 **Timestamp**

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:50:00 UTC

Sunrise 09:55:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	55.75 %	44.25 %



Full daily report

Daily report created at

2021/08/18 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:49:00  
 Sunrise 09:56:00

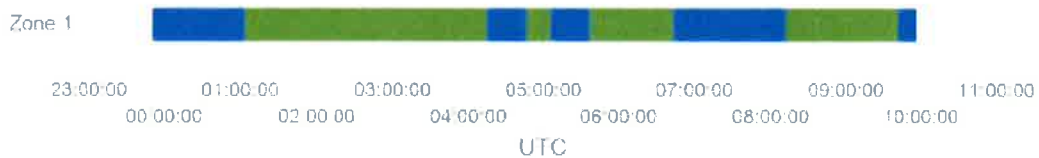
**Timeframe**

From: 2021/08/17 16:00:10 UTC  
 To: 2021/08/18 15:59:40 UTC

Mode Timestamp

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:49:00 UTC

Sunrise 09:56:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	38.80 %	61.20 %



Full daily report

Daily report created at

2021/08/19 15:59:55 UTC

**Current status**


Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:47:00  
 Sunrise 09:57:00

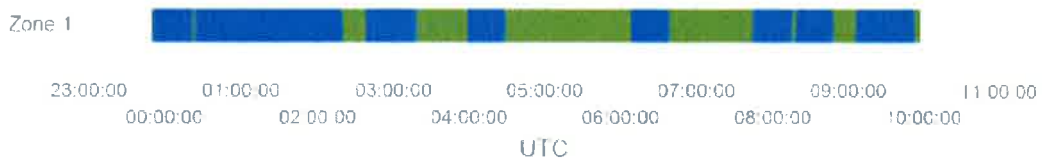
**Timeframe**

From: 2021/08/18 16:00:10 UTC  
 To: 2021/08/19 15:59:40 UTC

Mode Timestamp

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:47:00 UTC

Sunrise 09:57:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	58.26 %	41.74 %



Full daily report

**Daily report created at****2021/08/20 15:59:55 UTC****Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:46:00  
 Sunrise 09:59:00

**Timeframe****From:** 2021/08/19 16:00:10 UTC**To:** 2021/08/20 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:46:00 UTC

Sunrise 09:59:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	24.86 %	75.14 %

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Full daily report

**Daily report created at****2021/08/21 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:44:00  
 Sunrise                     10:00:00

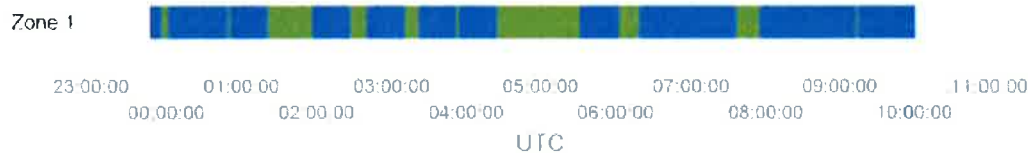
**Timeframe**

**From:**            2021/08/20 16:00:10 UTC  
**To:**                2021/08/21 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

Lights deactivated  
 Lights activated



Sunset 23:44:00 UTC

Sunrise 10:00:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	71.55 %	28.45 %

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Full daily report

**Daily report created at****2021/08/22 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:42:00  
 Sunrise                     10:01:00

**Timeframe****From:            2021/08/21 16:00:10 UTC****To:                2021/08/22 15:59:40 UTC**

Mode	Timestamp
------	-----------

## Light control

Lights deactivated  
 Lights activated



Sunset 23:42:00 UTC

Sunrise 10:01:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	42.32 %	57.68 %





Full daily report

Daily report created at

2021/08/23 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:41:00  
 Sunrise 10:02:00

**Timeframe**

From: 2021/08/22 16:00:10 UTC  
 To: 2021/08/23 15:59:40 UTC

**Mode** **Timestamp**

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:41:00 UTC

Sunrise 10:02:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	41.16 %	58.84 %



Full daily report

Daily report created at

2021/08/24 15:59:56 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:39:00  
 Sunrise 10:03:00

**Timeframe**

From: 2021/08/23 16:00:10 UTC  
 To: 2021/08/24 15:59:40 UTC

Mode Timestamp

## Light control

- Lights deactivated
- Lights activated



Sunset 23:39:00 UTC

Sunrise 10:03:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	31.90 %	68.10 %



Full daily report

**Daily report created at**

**2021/08/25 15:59:55 UTC**

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:37:00  
 Sunrise 10:04:00

**Timeframe**

**From: 2021/08/24 16:00:10 UTC**

**To: 2021/08/25 15:59:40 UTC**

**Mode Timestamp**

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:37:00 UTC

Sunrise 10:04:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	42.66 %	57.34 %



Full daily report

Daily report created at

2021/08/26 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:36:00  
 Sunrise 10:05:00

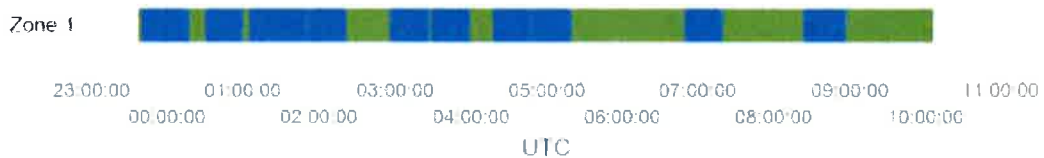
**Timeframe**

From: 2021/08/25 16:00:10 UTC  
 To: 2021/08/26 15:59:40 UTC

Mode Timestamp

## Light control

- Lights deactivated
- Lights activated



Sunset 23:36:00 UTC

Sunrise 10:05:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	52.20 %	47.80 %

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Full daily report

**Daily report created at****2021/08/27 15:59:55 UTC****Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:34:00  
 Sunrise 10:06:00

**Timeframe****From:** 2021/08/26 16:00:10 UTC**To:** 2021/08/27 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:34:00 UTC

Sunrise 10:06:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	48.78 %	51.22 %



Full daily report

Daily report created at

2021/08/28 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:32:00  
 Sunrise 10:07:00

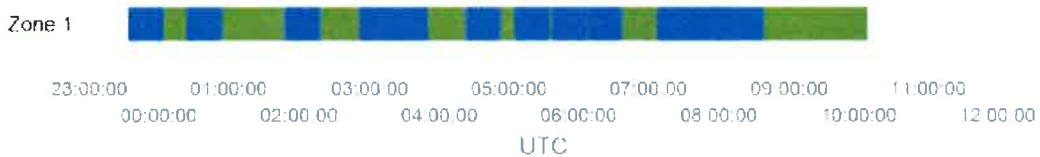
**Timeframe**

**From:** 2021/08/27 16:00:10 UTC  
**To:** 2021/08/28 15:59:40 UTC

**Mode** **Timestamp**

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:32:00 UTC

Sunrise 10:07:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	56.87 %	43.13 %



Full daily report

Daily report created at

2021/08/29 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:31:00  
 Sunrise 10:09:00

**Timeframe**

From: 2021/08/28 16:00:10 UTC  
 To: 2021/08/29 15:59:40 UTC

Mode Timestamp

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:31:00 UTC

Sunrise 10:09:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	24.08 %	75.92 %

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Full daily report

**Daily report created at****2021/08/30 15:59:55 UTC****Current status**

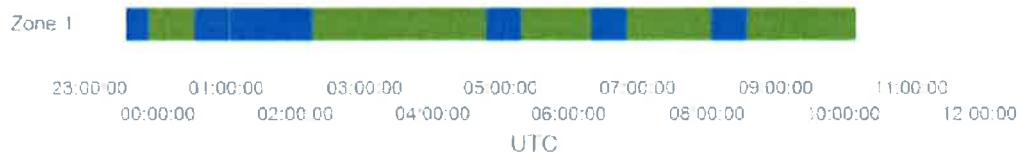
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:29:00  
 Sunrise                     10:10:00

**Timeframe****From:**            2021/08/29 16:00:10 UTC**To:**                2021/08/30 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

Lights deactivated  
 Lights activated



Sunset 23:29:00 UTC

Sunrise 10:10:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	33.04 %	66.96 %





Full daily report

Daily report created at

2021/08/31 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:27:00  
 Sunrise 10:11:00

**Timeframe**

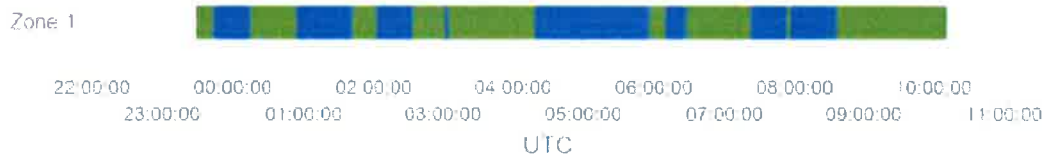
From: 2021/08/30 16:00:10 UTC

To: 2021/08/31 15:59:40 UTC

Mode	Timestamp
------	-----------

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:27:00 UTC

Sunrise 10:11:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	45.57 %	54.43 %



Full daily report

Daily report created at

2021/09/01 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:25:00  
 Sunrise 10:12:00

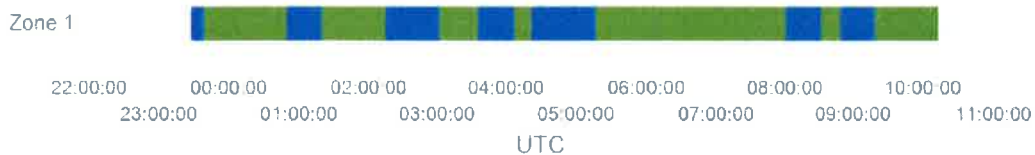
**Timeframe**

From: 2021/08/31 16:00:10 UTC  
 To: 2021/09/01 15:59:40 UTC

Mode Timestamp

## Light control

 Lights deactivated  
 Lights activated



Sunset 23:25:00 UTC

Sunrise 10:12:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	36.02 %	63.98 %



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**Antrim Wind Energy – Aviation Detection Lighting System (ADLS) Activity  
August, 2021**

ATTACHMENT G

Period Beginning	Sunset (UTC)	Period Ending	Sunrise (UTC)	Duration of Night	Lights Activated Percentage	Lights Deactivated Percentage	Total %	Lights Activated Time	Lights Deactivated Time
2021/08/01 0:12	0:12:00	2021/08/01 9:38	9:38:00	9:26:00	44.89%	55.11%	100.00%	4:14:05	5:11:55
2021/08/02 0:11	0:11:00	2021/08/02 9:39	9:39:00	9:28:00	19.68%	80.32%	100.00%	1:51:47	7:36:13
2021/08/03 0:10	0:10:00	2021/08/03 9:40	9:40:00	9:30:00	36.06%	63.94%	100.00%	3:25:33	6:04:27
2021/08/04 0:08	0:08:00	2021/08/04 9:41	9:41:00	9:33:00	34.63%	65.37%	100.00%	3:18:26	6:14:34
2021/08/05 0:07	0:07:00	2021/08/05 9:42	9:42:00	9:35:00	43.45%	56.55%	100.00%	4:09:50	5:25:10
2021/08/06 0:06	0:06:00	2021/08/06 9:43	9:43:00	9:37:00	52.13%	47.87%	100.00%	5:00:47	4:36:13
2021/08/07 0:05	0:05:00	2021/08/07 9:44	9:44:00	9:39:00	72.47%	27.53%	100.00%	6:59:36	2:39:24
2021/08/08 0:03	0:03:00	2021/08/08 9:45	9:45:00	9:42:00	46.41%	53.59%	100.00%	4:30:06	5:11:54
2021/08/09 0:02	0:02:00	2021/08/09 9:46	9:46:00	9:44:00	23.56%	76.44%	100.00%	2:17:35	7:26:25
2021/08/10 0:01	0:01:00	2021/08/10 9:47	9:47:00	9:46:00	38.60%	61.40%	100.00%	3:46:12	5:59:48
2021/08/10 23:59	23:59:00	2021/08/11 9:49	9:49:00	9:50:00	42.30%	57.70%	100.00%	4:09:34	5:40:26
2021/08/11 23:58	23:58:00	2021/08/12 9:50	9:50:00	9:52:00	54.32%	45.68%	100.00%	5:21:34	4:30:26
2021/08/12 23:56	23:56:00	2021/08/13 9:51	9:51:00	9:55:00	35.14%	64.86%	100.00%	3:29:05	6:25:55
2021/08/13 23:55	23:55:00	2021/08/14 9:52	9:52:00	9:57:00	47.22%	52.78%	100.00%	4:41:54	5:15:06
2021/08/14 23:53	23:53:00	2021/08/15 9:53	9:53:00	10:00:00	54.26%	45.74%	100.00%	5:25:34	4:34:26
2021/08/15 23:52	23:52:00	2021/08/16 9:54	9:54:00	10:02:00	58.51%	41.49%	100.00%	5:52:14	4:09:46
2021/08/16 23:50	23:50:00	2021/08/17 9:55	9:55:00	10:05:00	55.75%	44.25%	100.00%	5:37:17	4:27:43
2021/08/17 23:49	23:49:00	2021/08/18 9:56	9:56:00	10:07:00	38.80%	61.20%	100.00%	3:55:31	6:11:29
2021/08/18 23:47	23:47:00	2021/08/19 9:57	9:57:00	10:10:00	58.26%	41.74%	100.00%	5:55:23	4:14:37
2021/08/19 23:46	23:45:00	2021/08/20 9:59	9:59:00	10:13:00	24.86%	75.14%	100.00%	2:32:24	7:40:36
2021/08/20 23:44	23:44:00	2021/08/21 10:00	10:00:00	10:16:00	71.55%	28.45%	100.00%	7:20:45	2:55:15
2021/08/21 23:42	23:42:00	2021/08/22 10:01	10:01:00	10:19:00	42.32%	57.68%	100.00%	4:21:58	5:57:02
2021/08/22 23:41	23:41:00	2021/08/23 10:02	10:02:00	10:21:00	41.16%	58.84%	100.00%	4:15:36	6:05:24
2021/08/23 23:39	23:39:00	2021/08/24 10:03	10:03:00	10:24:00	31.90%	68.10%	100.00%	3:19:03	7:04:57
2021/08/24 23:37	23:37:00	2021/08/25 10:04	10:04:00	10:27:00	42.66%	57.34%	100.00%	4:27:29	5:59:31
2021/08/25 23:36	23:36:00	2021/08/26 10:05	10:05:00	10:29:00	52.20%	47.80%	100.00%	5:28:20	5:00:40
2021/08/26 23:34	23:34:00	2021/08/27 10:06	10:06:00	10:32:00	48.78%	51.22%	100.00%	5:08:17	5:23:43
2021/08/27 23:32	23:32:00	2021/08/28 10:07	10:07:00	10:35:00	56.87%	43.13%	100.00%	6:01:07	4:33:53
2021/08/28 23:31	23:31:00	2021/08/29 10:09	10:09:00	10:38:00	24.08%	75.92%	100.00%	2:33:38	8:04:22
2021/08/29 23:29	23:29:00	2021/08/30 10:10	10:10:00	10:41:00	33.04%	66.96%	100.00%	3:31:47	7:09:13
2021/08/30 23:27	23:27:00	2021/08/31 10:11	10:11:00	10:44:00	45.57%	54.43%	100.00%	4:53:28	5:50:32
2021/08/31 23:25	23:25:00	2021/09/01 10:12	10:12:00	10:47:00	36.02%	63.98%	100.00%	3:53:03	6:53:57
				Average	43.98%	56.02%		4:25:54	5:38:36
				Median	43.06%	56.95%		4:18:47	5:45:29
				Min	19.68%	27.53%		1:51:47	2:39:24
				Max	72.47%	80.32%		7:20:45	8:04:22



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**Gavin MacPhee**

**Specialist, Environment – Wind and Solar Operations**

Direct Line: 780-887-0276

Email: [gavin\\_macphee@transalta.com](mailto:gavin_macphee@transalta.com)

October 5, 2021

Jonathan Evans, Chair  
New Hampshire Site Evaluation Committee  
21 South Fruit Street, Suite 10  
Concord, NH  
03301

Dear Mr. Evans:

**RE: Docket No. 2021-02 - Antrim Wind Energy - Aviation Detection Lighting System (ADLS) Activity September, 2021**

For your consideration; TransAlta has compiled a list of daily Antrim ADLS activity for the month of September, 2021.

During routine maintenance of the Antrim Wind Energy substation the ADLS was forced on between September 8<sup>th</sup> and 20<sup>th</sup>. During this period the ADLS was set to on as per Federal Aviation Administration (FAA) requirements.

We hope this information helps to clarify the recent activity and appreciate your patience as we work with our vendor to optimize the Antrim ADLS. If you have any further questions, please feel free to email myself and I will respond as quickly as possible.

Yours truly,

**TRANSALTA CORPORATION**

A handwritten signature in black ink, appearing to read "Gavin MacPhee".

Gavin MacPhee  
Specialist, Environmental – Wind and Solar Operations



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**Antrim Wind Energy – Aviation Detection Lighting System (ADLS) Daily Summary  
September, 2021**

**TERMA<sup>®</sup>**

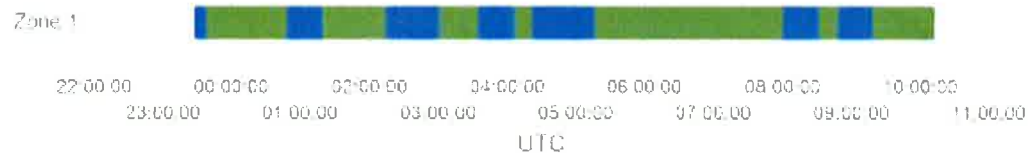
Full daily report

**Daily report created at****2021/09/01 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:25:00  
 Sunrise                     10:12:00

**Timeframe****From:            2021/08/31 16:00:10 UTC****To:                2021/09/01 15:59:40 UTC****Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:25:00 UTC

Sunrise 10:12:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	36.02 %	63.98 %

**TERMA<sup>®</sup>**

Full daily report

**Daily report created at****2021/09/02 15:59:55 UTC****Current status**

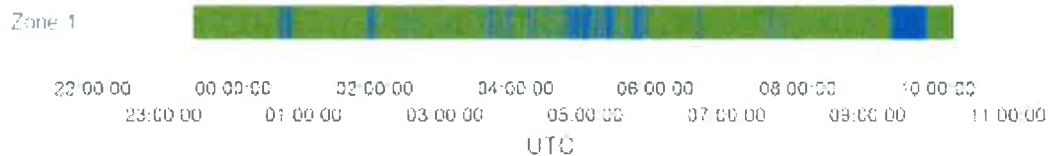
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:24:00  
 Sunrise                     10:13:00

**Timeframe**

**From:**            2021/09/01 16:00:10 UTC  
**To:**                2021/09/02 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:24:00 UTC

Sunrise 10:13:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	14.04 %	85.96 %





Full daily report

**Daily report created at**

**2021/09/03 15:59:55 UTC**

**Current status**

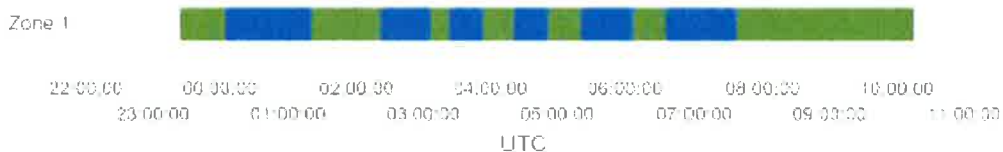
Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:22:00  
 Sunrise 10:14:00

**Timeframe**

**From: 2021/09/02 16:00:10 UTC**  
**To: 2021/09/03 15:59:40 UTC**

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:22:00 UTC

Sunrise 10:14:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	43.91 %	56.09 %

**TERMA<sup>®</sup>**

Full daily report

**Daily report created at****2021/09/04 15:59:55 UTC****Current status**

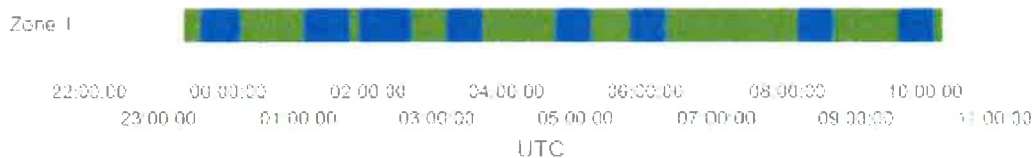
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:20:00  
 Sunrise                     10:15:00

**Timeframe**

**From:**            2021/09/03 16:00:10 UTC  
**To:**                2021/09/04 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:20:00 UTC

Sunrise 10:15:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	<b>40.96 %</b>	<b>59.04 %</b>



Full daily report

**Daily report created at**

**2021/09/05 15:59:55 UTC**

**Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:18:00  
 Sunrise                     10:16:00

**Timeframe**

**From:                    2021/09/04 16:00:10 UTC**  
**To:                        2021/09/05 15:59:40 UTC**

## Light control



Sunset 23:18:00 UTC

Sunrise 10:16:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	46.63 %	53.37 %



Full daily report

**Daily report created at**

**2021/09/06 15:59:55 UTC**

**Current status**

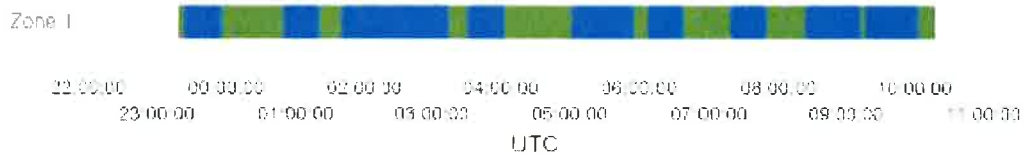
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:16:00  
 Sunrise                     10:17:00

**Timeframe**

**From:                    2021/09/05 16:00:10 UTC**  
**To:                        2021/09/06 15:59:40 UTC**

## Light control

 **Lights deactivated**  
 **Lights activated**



Sunset 23:16:00 UTC

Sunrise 10:17:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	59.97 %	40.03 %



Full daily report

Daily report created at

2021/09/07 15:59:56 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:15:00  
 Sunrise 10:19:00

**Timeframe**

From: 2021/09/06 16:00:10 UTC

To: 2021/09/07 15:59:40 UTC

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:15:00 UTC

Sunrise 10:19:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	43.37 %	56.63 %

**September 8 & 9**

**Power outage**

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Full daily report

**Daily report created at****2021/09/10 15:59:57 UTC****Current status**

Locality	Antrim
Day / Night	Day
Mode	Auto
Latitude	43.074417
Longitude	-72.005597
Sunset	23:09:00
Sunrise	10:22:00

**Timeframe****From: 2021/09/10 15:59:40 UTC****To: 2021/09/10 15:59:40 UTC****Light control****Lights deactivated****Lights activated**

Percentage - Night, between sunset and sunrise

<b>Zone #</b>	<b>Lights activated</b>	<b>Lights deactivated</b>
Zone 1	100.00 %	0.00 %

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Full daily report

**Daily report created at****2021/09/11 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:07:00  
 Sunrise                     10:23:00

**Timeframe**

**From:**                    2021/09/10 16:00:10 UTC  
**To:**                        2021/09/11 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:07:00 UTC

Sunrise 10:23:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



**TERMA<sup>®</sup>**

Full daily report

**Daily report created at****2021/09/12 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:06:00  
 Sunrise                     10:24:00

**Timeframe**

**From:**            2021/09/11 16:00:10 UTC  
**To:**                2021/09/12 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**

Zone 1



Sunset 23:06:00 UTC

Sunrise 10:24:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



Full daily report

**Daily report created at****2021/09/13 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      23:04:00  
 Sunrise                    10:25:00

**Timeframe****From:            2021/09/12 16:00:10 UTC****To:                2021/09/13 15:59:40 UTC****Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 23:04:00 UTC

Sunrise 10:25:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



Full daily report

Daily report created at

2021/09/14 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:02:00  
 Sunrise 10:26:00

**Timeframe**

From: 2021/09/13 16:00:10 UTC  
 To: 2021/09/14 15:59:40 UTC

**Light control**

 Lights deactivated  
 Lights activated



Sunset 23:02:00 UTC

Sunrise 10:26:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



Full daily report

Daily report created at

2021/09/15 15:59:55 UTC

**Current status**

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 23:00:00  
 Sunrise 10:27:00

**Timeframe**

From: 2021/09/14 16:00:10 UTC  
 To: 2021/09/15 15:59:40 UTC

**Light control**

 Lights deactivated  
 Lights activated



Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



Full daily report

**Daily report created at**

**2021/09/16 15:59:55 UTC**

**Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:58:00  
 Sunrise                     10:29:00

**Timeframe**

**From:**                    2021/09/15 16:00:10 UTC  
**To:**                        2021/09/16 15:59:40 UTC

**Light control**

 Lights deactivated  
 Lights activated



Sunset 22:58:00 UTC

Sunrise 10:29:00 UTC

**Percentage - Night, between sunset and sunrise**

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %

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Full daily report

**Daily report created at****2021/09/17 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:56:00  
 Sunrise                     10:30:00

**Timeframe**

**From:**            2021/09/16 16:00:10 UTC  
**To:**                2021/09/17 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 22:56:00 UTC

Sunrise 10:30:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



Full daily report

**Daily report created at**

**2021/09/18 15:59:55 UTC**

**Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:54:00  
 Sunrise                     10:31:00

**Timeframe**

**From:                    2021/09/17 16:00:10 UTC**  
**To:                        2021/09/18 15:59:40 UTC**

**Light control**

- Lights deactivated
- Lights activated



Sunset 22:54:00 UTC

Sunrise 10:31:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



Full daily report

Daily report created at

2021/09/19 15:59:56 UTC

## Current status

Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 22:53:00  
 Sunrise 10:32:00

## Timeframe

From: 2021/09/18 16:00:10 UTC

To: 2021/09/19 15:59:40 UTC

## Light control

 Lights deactivated  
 Lights activated

Zone 1



Sunset 22:53:00 UTC

Sunrise 10:32:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	100.00 %	0.00 %



**TERMA<sup>®</sup>**

Full daily report

**Daily report created at****2021/09/20 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:51:00  
 Sunrise                     10:33:00

**Timeframe****From:            2021/09/19 16:00:10 UTC****To:                2021/09/20 15:59:40 UTC****Light control**

 **Lights deactivated**  
 **Lights activated**

Zone 1



Sunset 22:51:00 UTC

Sunrise 10:33:00 UTC

**Percentage - Night, between sunset and sunrise**

<b>Zone #</b>	<b>Lights activated</b>	<b>Lights deactivated</b>
Zone 1	100.00 %	0.00 %

**TERMA<sup>®</sup>**

Full daily report

**Daily report created at****2021/09/21 15:59:55 UTC****Current status**

Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:49:00  
 Sunrise                     10:34:00

**Timeframe**

**From:**                2021/09/20 16:00:10 UTC  
**To:**                    2021/09/21 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 22:49:00 UTC

Sunrise 10:34:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	75.42 %	24.58 %



Full daily report

Daily report created at

2021/09/22 15:59:55 UTC

**Current status**

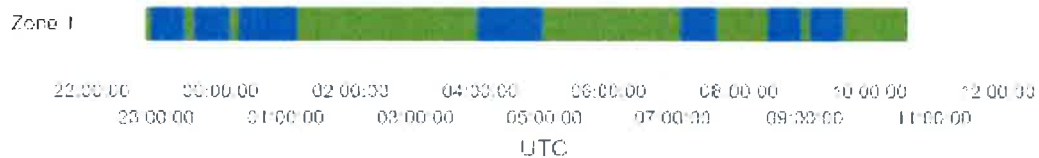
Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 22:47:00  
 Sunrise 10:35:00

**Timeframe**

From: 2021/09/21 16:00:10 UTC  
 To: 2021/09/22 15:59:40 UTC

## Light control

 Lights deactivated  
 Lights activated



Sunset 22:47:00 UTC

Sunrise 10:35:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	37.88 %	62.12 %

**TERMA<sup>®</sup>**

Full daily report

**Daily report created at****2021/09/23 15:59:55 UTC****Current status**

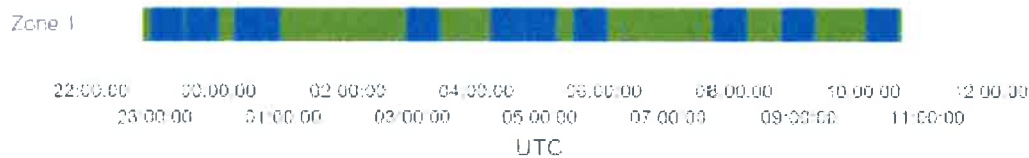
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:45:00  
 Sunrise                     10:36:00

**Timeframe**

**From:**            2021/09/22 16:00:10 UTC  
**To:**                2021/09/23 15:59:40 UTC

**Light control**

 **Lights deactivated**  
 **Lights activated**



Sunset 22:45:00 UTC

Sunrise 10:36:00 UTC

Percentage - Night, between sunset and sunrise

<b>Zone #</b>	<b>Lights activated</b>	<b>Lights deactivated</b>
Zone 1	<b>44.31 %</b>	<b>55.69 %</b>



Full daily report

Daily report created at

2021/09/24 15:59:55 UTC

**Current status**

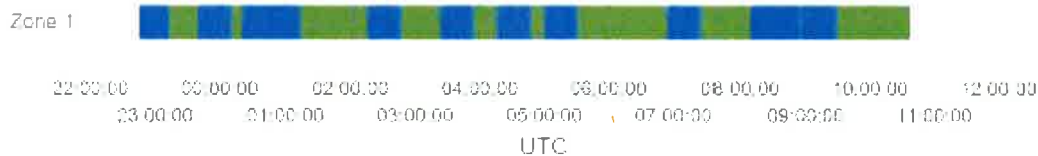
Locality Antrim  
 Day / Night Day  
 Mode Auto  
 Latitude 43.074417  
 Longitude -72.005597  
 Sunset 22:43:00  
 Sunrise 10:37:00

**Timeframe**

From: 2021/09/23 16:00:10 UTC  
 To: 2021/09/24 15:59:40 UTC

## Light control

 Lights deactivated  
 Lights activated



Sunset 22:43:00 UTC

Sunrise 10:37:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	47.91 %	52.09 %



Full daily report

**Daily report created at**

**2021/09/25 15:59:55 UTC**

**Current status**

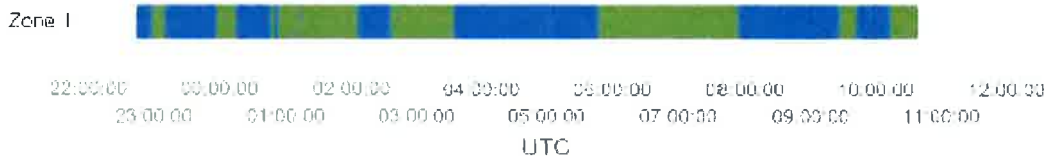
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                      22:41:00  
 Sunrise                     10:39:00

**Timeframe**

From:                    2021/09/24 16:00:10 UTC  
 To:                        2021/09/25 15:59:40 UTC

## Light control

- Lights deactivated
- Lights activated



Sunset 22:41:00 UTC

Sunrise 10:39:00 UTC

Percentage - Night, between sunset and sunrise

Zone #	Lights activated	Lights deactivated
Zone 1	52.59 %	47.41 %

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Full daily report

**Daily report created at****2021/09/26 15:59:55 UTC****Current status**

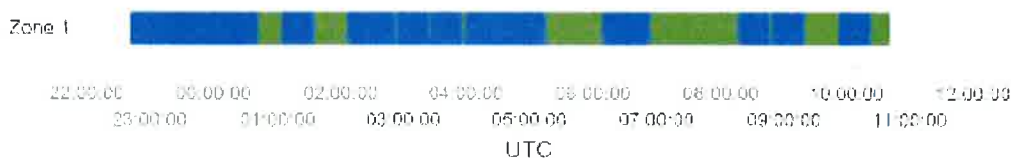
Locality                    Antrim  
 Day / Night                Day  
 Mode                        Auto  
 Latitude                    43.074417  
 Longitude                  -72.005597  
 Sunset                       22:40:00  
 Sunrise                     10:40:00

**Timeframe**

**From:**            2021/09/25 16:00:10 UTC  
**To:**                2021/09/26 15:59:40 UTC

**Light control**

**Lights deactivated**  
 **Lights activated**



Sunset 22:40:00 UTC

Sunrise 10:40:00 UTC

Percentage - Night, between sunset and sunrise

<b>Zone #</b>	<b>Lights activated</b>	<b>Lights deactivated</b>
Zone 1	<b>65.05 %</b>	<b>34.95 %</b>















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**Antrim Wind Energy – Aviation Detection Lighting System (ADLS) Activity  
September, 2021**

ATTACHMENT H

Period Beginning	Sunset (UTC)	Period Ending	Sunrise (UTC)	Duration of Night	Lights Activated Percentage	Lights Deactivated Percentage	Total %	Lights Activated Time	Lights Deactivated Time
2021/08/31 23:25	23:25:00	2021/09/01 10:12	10:12:00	10:47:00	36.02%	63.98%	100.00%	3:53:03	6:53:57
2021/09/01 23:34	23:24:00	2021/09/02 10:13	10:13:00	10:39:00	14.04%	85.96%	100.00%	1:29:43	9:09:17
2021/09/02 23:22	23:22:00	2021/09/03 10:14	10:14:00	10:52:00	43.91%	56.09%	100.00%	4:46:18	6:05:42
2021/09/03 23:20	23:20:00	2021/09/04 10:15	10:15:00	10:55:00	40.96%	59.04%	100.00%	4:28:17	6:26:43
2021/09/04 23:18	23:18:00	2021/09/05 10:16	10:16:00	10:58:00	46.63%	53.37%	100.00%	5:06:50	5:51:10
2021/09/05 23:16	23:16:00	2021/09/06 10:17	10:17:00	11:01:00	59.97%	40.03%	100.00%	6:36:24	4:24:36
2021/09/06 23:15	23:15:00	2021/09/07 10:19	10:19:00	11:04:00	43.37%	56.63%	100.00%	4:47:59	6:16:01
2021/09/07 23:15	23:15:00	2021/09/08 10:19	10:19:00	11:04:00	100.00%	0.00%	100.00%	11:04:00	0:00:00
2021/09/08 23:15	23:15:00	2021/09/09 10:19	10:19:00	11:04:00	100.00%	0.00%	100.00%	11:04:00	0:00:00
2021/09/09 23:09	23:09:00	2021/09/10 10:22	10:22:00	11:13:00	100.00%	0.00%	100.00%	11:13:00	0:00:00
2021/09/10 23:07	23:07:00	2021/09/11 10:23	10:23:00	11:16:00	100.00%	0.00%	100.00%	11:16:00	0:00:00
2021/09/11 23:06	23:06:00	2021/09/12 10:24	10:24:00	11:18:00	100.00%	0.00%	100.00%	11:18:00	0:00:00
2021/09/12 23:04	23:04:00	2021/09/13 10:25	10:25:00	11:21:00	100.00%	0.00%	100.00%	11:21:00	0:00:00
2021/09/13 23:02	23:02:00	2021/09/14 10:26	10:26:00	11:24:00	100.00%	0.00%	100.00%	11:24:00	0:00:00
2021/09/14 23:00	23:00:00	2021/09/15 10:27	10:27:00	11:27:00	100.00%	0.00%	100.00%	11:27:00	0:00:00
2021/09/15 22:58	22:58:00	2021/09/16 10:29	10:29:00	11:31:00	100.00%	0.00%	100.00%	11:31:00	0:00:00
2021/09/16 22:56	22:56:00	2021/09/17 10:30	10:30:00	11:34:00	100.00%	0.00%	100.00%	11:34:00	0:00:00
2021/09/17 22:54	22:54:00	2021/09/18 10:31	10:31:00	11:37:00	100.00%	0.00%	100.00%	11:37:00	0:00:00
2021/09/18 22:53	22:53:00	2021/09/19 10:32	10:32:00	11:39:00	100.00%	0.00%	100.00%	11:39:00	0:00:00
2021/09/19 22:51	22:51:00	2021/09/20 10:33	10:33:00	12:12:00	100.00%	0.00%	100.00%	12:12:00	0:00:00
2021/09/20 22:49	22:49:00	2021/09/21 10:34	10:34:00	11:45:00	75.42%	24.58%	100.00%	8:51:43	2:53:17
2021/09/21 22:47	22:47:00	2021/09/22 10:35	10:35:00	11:48:00	37.88%	62.12%	100.00%	4:28:11	7:19:49
2021/09/22 22:45	22:45:00	2021/09/23 10:36	10:36:00	11:51:00	44.31%	55.69%	100.00%	5:15:03	6:35:57
2021/09/23 22:43	22:43:00	2021/09/24 10:37	10:37:00	11:54:00	47.91%	52.09%	100.00%	5:42:05	6:11:55
2021/09/24 22:41	22:41:00	2021/09/25 10:39	10:39:00	11:58:00	52.59%	47.41%	100.00%	6:17:36	5:40:24
2021/09/25 22:40	22:40:00	2021/09/26 10:40	10:40:00	12:00:00	65.05%	34.95%	100.00%	7:48:22	4:11:38
2021/09/26 22:38	22:38:00	2021/09/27 10:41	10:41:00	12:03:00	58.42%	41.58%	100.00%	7:02:23	5:00:37
2021/09/27 22:36	22:36:00	2021/09/28 10:42	10:42:00	12:06:00	50.07%	49.93%	100.00%	6:03:30	6:02:30
2021/09/28 22:34	22:34:00	2021/09/29 10:43	10:43:00	12:09:00	57.84%	42.16%	100.00%	7:01:39	5:07:21
2021/09/29 22:32	22:00:00	2021/09/30 10:44	10:44:00	12:12:00	51.96%	48.04%	100.00%	6:20:21	5:51:39
2021/09/30 22:31	22:31:00	2021/10/01 10:45	10:45:00	12:14:00	47.35%	52.65%	100.00%	5:47:33	6:26:27
				Average	70.12%	29.88%		8:04:44	3:26:06
				Median	59.97%	40.03%		7:02:23	4:24:36
				Min	14.04%	0.00%		1:29:43	0:00:00
				Max	100.00%	85.96%		12:12:00	9:09:17