

- 1 Newington Station, Unit No. 1 – oil, natural gas
- 2 Schiller Station, Unit No. 4 – coal, oil
- 3 Schiller Station, Unit No. 5 – biomass
- 4 Schiller Station, Unit No. 6 – coal, oil
- 5 Merrimack Station, Combustion Turbine CT-1 – light oil
- 6 Merrimack Station, Combustion Turbine CT-2 – light oil
- 7 Schiller Station, Combustion Turbine CT-1 – light oil
- 8 Lost Nation, Combustion Turbine – light oil
- 9 White Lake, Combustion Turbine – light oil

10 During the period January 1 through January 9, these units were all available with
11 one exception. This exception was:

| Unit | Outage Start | Outage Stop | Duration | Cause |
|--------------------|-----------------|-----------------|----------|--|
| Schiller Unit 5 | 1/4/18 09:05 | 1/4/18 16:30 | 7.42 hrs | ID fan electrical breaker contacts opened and were reset |

12 The electrical equipment breaker opening is an unusual circumstance that does
13 occasionally occur even with the thorough preventative maintenance programs that
14 are in place. A thorough inspection and troubleshooting effort was used resulting in
15 nothing observed that was out of the ordinary, thus this event only required

2018 Fossil Unit Outages

Only one outage occurred during the period of Eversource's ownership of January 1 – January 10, 2018.

Schiller Unit No. 5

| Outage | Start | End | Duration Hours | Outage Cause Description |
|--------|--------------|--------------|-------------------|---|
| A | 1/4/18 09:05 | 1/4/18 16:30 | 7.42 | Induced fan electric breaker contact mechanism failure |

- 1 Newington Station, Unit No. 1 – oil, natural gas
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- 6 Merrimack Station, Combustion Turbine CT-2 – light oil
- 7 Schiller Station, Combustion Turbine CT-1 – light oil
- 8 Lost Nation, Combustion Turbine – light oil
- 9 White Lake, Combustion Turbine – light oil

10 During the period January 1 through January 9, these units were all available with
 11 ~~two~~ one exceptions. ~~These two exceptions~~ was ~~were~~:

| Unit | Outage Start | Outage Stop | Duration | Cause |
|----------------------------|-------------------------|-------------------------------|---------------------|---|
| Schiller Unit 5 | 1/1/18 18:00 | 1/2/18 02:30 | 8.50 hrs | Frozen wood caused a bridge in the #2 silo reducing fuel flow until cleared by an operator |
| Schiller Unit 5 | 1/4/18 09:05 | 1/4/18 10:30 16:30 | 7.42 hrs | ID fan electrical breaker contacts opened and were reset |

~~Both incidents are not unusual. Wet and frozen biomass fuel is an ongoing challenge with Schiller Unit No. 5 since the biomass fuel is stored outdoors. Numerous equipment modifications and procedural changes have been made to minimize fuel flow interruptions from occurring causing significant reductions in the frequency and duration of these types of events, however, they still occur on occasion.~~

~~12~~ 12 The electrical equipment breaker opening is an unusual circumstance that does
~~13~~ 13 occasionally occur even with the thorough preventative maintenance programs that
~~20~~ 14 are in place. A thorough inspection and troubleshooting effort was used resulting in
~~24~~ 15 nothing observed that was out of the ordinary, thus this event only required

2018 Fossil Unit Outages

Only ~~two~~one outages occurred during the period of Eversource's ownership of January 1 – January 10, 2018.

Schiller Unit No. 5

| Outage | Start | End | Duration Hours | Outage Cause Description |
|--------------|-------------------------|---|-------------------|--|
| A | 1/1/18 18:00 | 1/2/18 02:30 | 8.50 | Frozen wood chips caused bridging in No. 2 wood silo interrupting fuel flow to the boiler |
| <u>BA</u> | 1/4/18 09:05 | 1/4/18 10:30 <u>16:30</u> | 7.42 | Induced fan electric breaker contact mechanism failure |