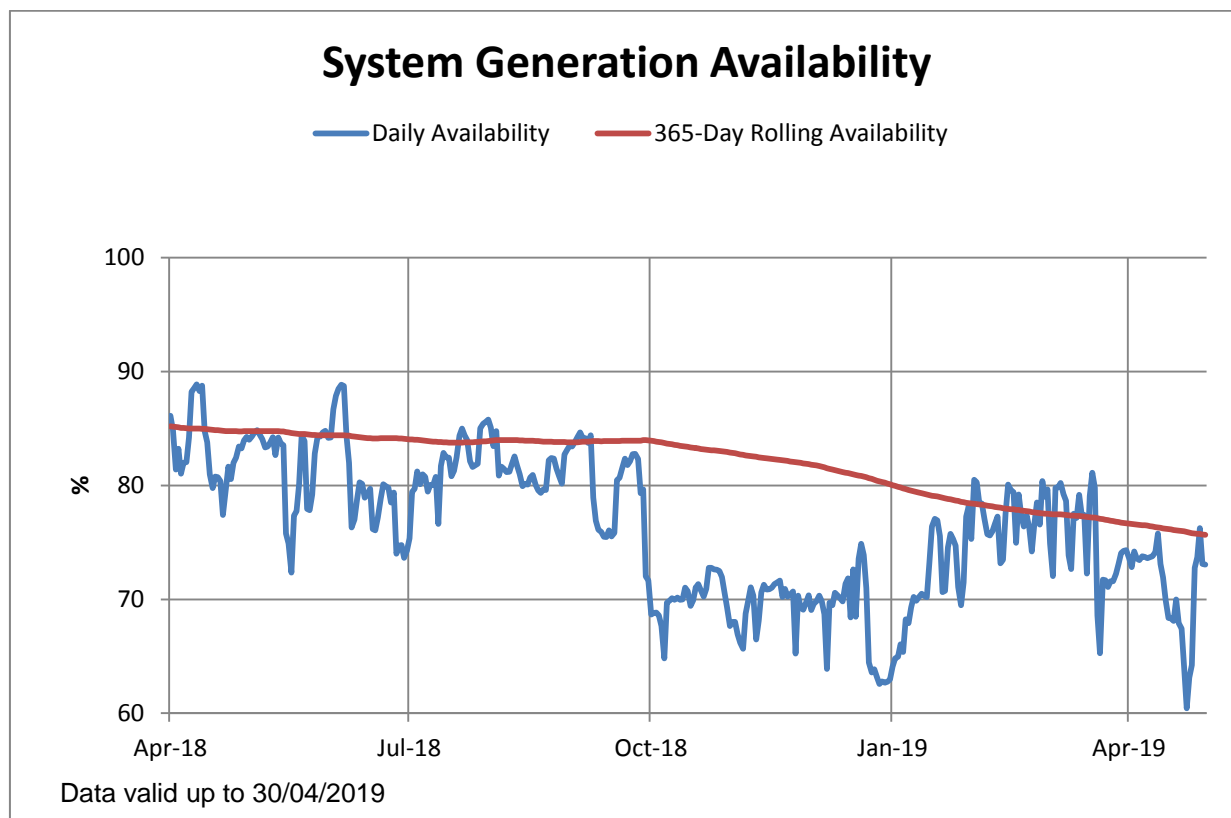


## EirGrid Monthly Availability Report – April 2019

Availability report for April 2019<sup>1</sup>.



### Definitions

**Availability:** the capacity-weighted percentage of the time that generators were available.

**Forced:** outages where generators are unavailable due to unforeseen/unplanned outages.

**Scheduled:** outages where generators are unavailable due to planned reasons, e.g., for maintenance.

**Ambient** (*seasonal derating*): difference between the **Maximum Capacity** of a generator and the **Dependable Capacity** over a specified period of time.

**Maximum Capacity:** the maximum capacity that a unit can sustain over a specified period of time.

**Dependable Capacity:** the capacity of a unit, when modified for ambient conditions over a specified period of time.

**365-day Rolling Availability:** the average of the unit's **Availability** over the most recent 365 days (i.e., past year)

### HOW TO CONTACT US

#### General Queries

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<sup>1</sup> Based on EDIL (Electronic Dispatch Instruction Logger) declarations.

**Table 1: Unit-by-Unit Average Monthly Availability Conventional Units – April 2019**

| Unit-by-Unit Average Monthly Availability – April 2019 |                     |          |                        |                  |                     |                   |      |
|--|---------------------|----------|------------------------|------------------|---------------------|-------------------|------|
| Company  | Unit                | Capacity | Monthly Availability % | Monthly Forced % | Monthly Scheduled % | Monthly Ambient % |      |
| <b>Aughinish Alumina Ltd</b>                           | Seal Rock - SK3     | 85       | 94.14                  | 0.00             | 0.00                | 5.86              |      |
|  | Seal Rock - SK4     | 85       | 94.93                  | 0.00             | 0.00                | 5.07              |      |
| <b>Bord Gáis</b>                                       | Whitegate - WG1     | 444      | 87.90                  | 10.93            | 0.01                | 1.16              |      |
| <b>Dublin Waste to Energy</b>                          | DWTE - DW1          | 61.5     | 97.87                  | 2.13             | 0.00                | 0.00              |      |
| <b>ESB Energy Ireland</b>                              | Aghada - AD1        | 258      | 0.00                   | 0.00             | 100.00              | 0.00              |      |
|  | Aghada - AD2        | 431      | 99.35                  | 0.13             | 0.00                | 0.52              |      |
|  | Aghada - AT1        | 90       | 99.92                  | 0.08             | 0.00                | 0.00              |      |
|  | Aghada - AT2        | 90       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
|  | Aghada - AT4        | 90       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
|  | Ardnacrusha - AA1   | 21       | 85.39                  | 0.00             | 0.00                | 14.61             | 0.00 |
|  | Ardnacrusha - AA2   | 22       | 98.71                  | 0.00             | 0.00                | 1.29              | 0.00 |
|  | Ardnacrusha - AA3   | 19       | 100.00                 | 0.00             | 0.00                | 0.00              | 0.00 |
|  | Ardnacrusha - AA4   | 24       | 100.00                 | 0.00             | 0.00                | 0.00              | 0.00 |
|  | Erne - ER1          | 10       | 94.87                  | 5.13             | 0.00                | 0.00              | 0.00 |
|  | Erne - ER2          | 10       | 100.00                 | 0.00             | 0.00                | 0.00              | 0.00 |
|  | Erne - ER3          | 22       | 86.41                  | 13.59            | 0.00                | 0.00              | 0.00 |
|  | Erne - ER4          | 22       | 99.98                  | 0.02             | 0.00                | 0.00              | 0.00 |
|  | Lee - LE1           | 15       | 91.92                  | 8.08             | 0.00                | 0.00              | 0.00 |
|  | Lee - LE2           | 4        | 52.64                  | 0.00             | 0.00                | 47.36             | 0.00 |
|  | Lee - LE3           | 8        | 99.78                  | 0.22             | 0.00                | 0.00              | 0.00 |
|  | Liffey - LI1        | 15       | 85.36                  | 0.20             | 0.00                | 14.44             | 0.00 |
|  | Liffey - LI2        | 15       | 85.56                  | 0.00             | 0.00                | 14.44             | 0.00 |
|  | Liffey - LI4        | 4        | 76.21                  | 0.00             | 0.00                | 23.79             | 0.00 |
|  | Liffey - LI5        | 4        | 100.00                 | 0.00             | 0.00                | 0.00              | 0.00 |
|  | Lough Ree - LR4     | 91       | 94.95                  | 5.05             | 0.00                | 0.00              | 0.00 |
|  | Marina - MRC        | 123      | 0.00                   | 100.00           | 0.00                | 0.00              | 0.00 |
|  | Moneypoint - MP1    | 285      | 50.16                  | 49.84            | 0.00                | 0.00              | 0.00 |
|  | Moneypoint - MP2    | 285      | 54.53                  | 45.47            | 0.00                | 0.00              | 0.00 |
|  | Moneypoint - MP3    | 285      | 53.93                  | 46.07            | 0.00                | 0.00              | 0.00 |
|  | North Wall - NW5    | 104      | 97.86                  | 1.95             | 0.00                | 0.00              | 0.19 |
|  | Poolbeg - PBA       | 231      | 98.85                  | 1.15             | 0.00                | 0.00              | 0.00 |
|  | Poolbeg - PBB       | 231      | 69.14                  | 30.86            | 0.00                | 0.00              | 0.00 |
|  | Turlough Hill - TH1 | 73       | 99.84                  | 0.16             | 0.00                | 0.00              | 0.00 |
|  | Turlough Hill - TH2 | 73       | 100.00                 | 0.00             | 0.00                | 0.00              | 0.00 |
|  | Turlough Hill - TH3 | 73       | 74.18                  | 25.82            | 0.00                | 0.00              | 0.00 |
|  | Turlough Hill - TH4 | 73       | 99.54                  | 0.46             | 0.00                | 0.00              | 0.00 |
|  | West Offaly - WO4   | 137      | 99.80                  | 0.20             | 0.00                | 0.00              | 0.00 |
| <b>Edenderry Power Ltd</b>                             | Edenderry - ED1     | 118      | 93.32                  | 6.53             | 0.15                | 0.00              |      |
|  | Edenderry - ED3     | 58       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
|  | Edenderry - ED5     | 58       | 99.53                  | 0.47             | 0.00                | 0.00              |      |
| <b>SSE Generation Ireland</b>                          | Great Island - GI4  | 461      | 92.45                  | 0.09             | 6.81                | 0.65              |      |
|  | Rhode - RP1         | 52       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
|  | Rhode - RP2         | 52       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
|  | Tarbert - TB1       | 54       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
|  | Tarbert - TB2       | 54       | 99.32                  | 0.68             | 0.00                | 0.00              |      |
|  | Tarbert - TB3       | 241      | 87.05                  | 12.95            | 0.00                | 0.00              |      |
|  | Tarbert - TB4       | 243      | 99.27                  | 0.73             | 0.00                | 0.00              |      |
|  | Tawnaghmore - TP1   | 52       | 100.00                 | 0.00             | 0.00                | 0.00              |      |
| Tawnaghmore - TP3                                      | 52                  | 100.00   | 0.00                   | 0.00             | 0.00                |                   |      |
| <b>Indaver</b>   | Indaver - IW1       | 16       | 50.43                  | 49.57            | 0.00                | 0.00              |      |
| <b>Synergen</b>  | Dublin Bay - DB1    | 405      | 24.46                  | 62.25            | 13.29               | 0.00              |      |
| <b>Tynagh Energy Ltd</b>                               | Tynagh - TYC        | 384      | 95.53                  | 0.00             | 0.00                | 4.47              |      |
| <b>Viridian</b>  | Huntstown - HN2     | 400      | 8.06                   | 89.18            | 2.66                | 0.10              |      |
|  | Huntstown - HNC     | 342      | 94.89                  | 0.00             | 1.55                | 3.56              |      |

**Table 2: Unit-by-Unit Average Monthly Availability Demand Side Units – April 2019**

| Unit-by-Unit Average Monthly Availability – April 2019 |                            |                        |                  |                     |                   |
|--|----------------------------|------------------------|------------------|---------------------|-------------------|
| Company  | Unit                       | Monthly Availability % | Monthly Forced % | Monthly Scheduled % | Monthly Ambient % |
| <b>Activation Energy</b>                               | Activation Energy 1 – AE1  | 27.68                  | 54.95            | 17.37               | 0                 |
|  | Activation Energy 2 – AE2  | 1.14                   | 98.86            | 0                   | 0                 |
|  | Activation Energy 3 – AE3  | 62.94                  | 37.06            | 0                   | 0                 |
|  | Activation Energy 4 – AE4  | 79.9                   | 12.95            | 7.15                | 0                 |
|  | Activation Energy 5 – AE5  | 55.77                  | 0.97             | 43.26               | 0                 |
| <b>DAE VPP</b>   | DAE VPP – DP1              | 63.8                   | 0                | 36.2                | 0                 |
|  | DAE VPP – DP2              | 0                      | 0                | 100                 | 0                 |
| <b>Electricity Exchange Ltd</b>                        | Electricity Exchange – EE1 | 51.13                  | 0                | 48.87               | 0                 |
|  | Electricity Exchange – EE2 | 33.42                  | 0                | 66.58               | 0                 |
|  | Electricity Exchange – EE3 | 41.27                  | 0                | 58.73               | 0                 |
|  | Electricity Exchange – EE4 | 49.32                  | 0.01             | 50.67               | 0                 |
|  | Electricity Exchange – EE5 | 61.71                  | 0                | 38.29               | 0                 |
| <b>Electric Ireland</b>                                | Electric Ireland – EI1     | 80.94                  | 0                | 19.06               | 0                 |
| <b>Endeco</b>  | Endeco 1 – EC1             | 60.88                  | 0                | 39.12               | 0                 |
|  | Endeco 2 – EC2             | 25                     | 0                | 75                  | 0                 |
|  | Endeco 5 – EC5             | 52.67                  | 0                | 47.33               | 0                 |
| <b>Energy Trading Ireland</b>                          | Energy Trading – ET1       | 66.86                  | 33.14            | 0                   | 0                 |
| <b>Powerhouse</b>                                      | Powerhouse – PG1           | 42.58                  | 57.42            | 0                   | 0                 |
| <b>Viridian</b>  | Viridian Energy – VE1      | 61.77                  | 0                | 38.23               | 0                 |
|  | Viridian Energy – VE2      | 59.28                  | 0                | 40.72               | 0                 |

**Table 3: System Total Average Monthly Availability – April 2019**

|  | Monthly Availability % | Monthly Forced % | Monthly Scheduled % | Monthly Ambient % |
|--|------------------------|------------------|---------------------|-------------------|
| <b>System Total Average Availability</b> | 71.07                  | 21.39            | 6.88                | 0.66              |

Table 4: Unit-by-Unit 365 Day Rolling Availability Conventional Units – April 2018 to April 2019

| Unit-by-Unit 365 Day Rolling Availability – April 2019 |                     |          |                        |                  |                     |                   |
|--|---------------------|----------|------------------------|------------------|---------------------|-------------------|
| Company  | Unit                | Capacity | Monthly Availability % | Monthly Forced % | Monthly Scheduled % | Monthly Ambient % |
| <b>Aughinish Alumina Ltd</b>                           | Seal Rock - SK3     | 85       | 89.67                  | 1.52             | 3.32                | 5.49              |
|  | Seal Rock - SK4     | 85       | 91.04                  | 1.56             | 2.56                | 4.84              |
| <b>Bord Gáis</b>                                       | Whitegate - WG1     | 444      | 86.21                  | 11.90            | 0.64                | 1.25              |
| <b>Dublin Waste to Energy</b>                          | DWTE - DW1          | 61.5     | 87.80                  | 8.87             | 3.33                | 0.00              |
| <b>ESB Energy Ireland</b>                              | Aghada - AD1        | 258      | 41.33                  | 1.25             | 57.42               | 0.00              |
|  | Aghada - AD2        | 431      | 96.02                  | 0.58             | 2.21                | 1.19              |
|  | Aghada - AT1        | 90       | 98.92                  | 0.46             | 0.58                | 0.04              |
|  | Aghada - AT2        | 90       | 98.78                  | 0.60             | 0.58                | 0.04              |
|  | Aghada - AT4        | 90       | 92.12                  | 0.72             | 7.12                | 0.04              |
|  | Ardnacrusha - AA1   | 21       | 65.94                  | 0.00             | 34.06               | 0.00              |
|  | Ardnacrusha - AA2   | 22       | 69.97                  | 5.06             | 24.97               | 0.00              |
|  | Ardnacrusha - AA3   | 19       | 70.98                  | 3.27             | 25.75               | 0.00              |
|  | Ardnacrusha - AA4   | 24       | 73.77                  | 0.98             | 25.25               | 0.00              |
|  | Erne - ER1          | 10       | 83.75                  | 14.94            | 1.31                | 0.00              |
|  | Erne - ER2          | 10       | 95.05                  | 1.08             | 3.87                | 0.00              |
|  | Erne - ER3          | 22       | 90.76                  | 7.98             | 1.26                | 0.00              |
|  | Erne - ER4          | 22       | 97.41                  | 1.39             | 1.20                | 0.00              |
|  | Lee - LE1           | 15       | 95.75                  | 2.91             | 1.34                | 0.00              |
|  | Lee - LE2           | 4        | 94.75                  | 1.19             | 4.06                | 0.00              |
|  | Lee - LE3           | 8        | 93.59                  | 0.03             | 6.38                | 0.00              |
|  | Liffey - LI1        | 15       | 91.65                  | 0.02             | 8.33                | 0.00              |
|  | Liffey - LI2        | 15       | 89.34                  | 2.33             | 8.33                | 0.00              |
|  | Liffey - LI4        | 4        | 90.30                  | 0.60             | 9.10                | 0.00              |
|  | Liffey - LI5        | 4        | 93.70                  | 0.11             | 6.19                | 0.00              |
|  | Lough Ree - LR4     | 91       | 91.07                  | 5.04             | 3.89                | 0.00              |
|  | Marina - MRC        | 123      | 35.54                  | 63.99            | 0.34                | 0.13              |
|  | Moneypoint - MP1    | 285      | 44.18                  | 38.74            | 17.08               | 0.00              |
|  | Moneypoint - MP2    | 285      | 44.13                  | 55.87            | 0.00                | 0.00              |
|  | Moneypoint - MP3    | 285      | 24.37                  | 64.35            | 11.28               | 0.00              |
|  | North Wall - NW5    | 104      | 89.41                  | 6.87             | 3.64                | 0.08              |
|  | Poolbeg - PBA       | 231      | 87.05                  | 3.40             | 9.55                | 0.00              |
|  | Poolbeg - PBB       | 231      | 83.23                  | 13.43            | 3.34                | 0.00              |
|  | Turlough Hill - TH1 | 73       | 96.32                  | 1.60             | 2.08                | 0.00              |
|  | Turlough Hill - TH2 | 73       | 96.24                  | 3.05             | 0.71                | 0.00              |
|  | Turlough Hill - TH3 | 73       | 93.12                  | 4.54             | 2.34                | 0.00              |
|  | Turlough Hill - TH4 | 73       | 92.52                  | 5.97             | 1.51                | 0.00              |
|  | West Offaly - WO4   | 137      | 79.87                  | 2.70             | 17.43               | 0.00              |
| <b>Edenderry Power Ltd</b>                             | Edenderry - ED1     | 118      | 90.70                  | 0.88             | 8.42                | 0.00              |
|  | Edenderry - ED3     | 58       | 99.88                  | 0.00             | 0.12                | 0.00              |
|  | Edenderry - ED5     | 58       | 99.56                  | 0.32             | 0.12                | 0.00              |
| <b>SSE Generation Ireland</b>                          | Great Island - GI4  | 461      | 57.92                  | 28.59            | 12.43               | 1.06              |
|  | Rhode - RP1         | 52       | 99.38                  | 0.62             | 0.00                | 0.00              |
|  | Rhode - RP2         | 52       | 99.74                  | 0.26             | 0.00                | 0.00              |
|  | Tarbert - TB1       | 54       | 99.69                  | 0.31             | 0.00                | 0.00              |
|  | Tarbert - TB2       | 54       | 98.04                  | 1.96             | 0.00                | 0.00              |
|  | Tarbert - TB3       | 241      | 98.01                  | 1.30             | 0.69                | 0.00              |
|  | Tarbert - TB4       | 243      | 90.08                  | 6.20             | 3.72                | 0.00              |
|  | Tawnaghmore - TP1   | 52       | 98.64                  | 0.14             | 1.22                | 0.00              |
| Tawnaghmore - TP3                                      | 52                  | 97.73    | 2.06                   | 0.21             | 0.00                |                   |
| <b>Indaver</b>   | Indaver - IW1       | 16       | 90.98                  | 8.58             | 0.44                | 0.00              |
| <b>Synergen</b>  | Dublin Bay - DB1    | 405      | 88.78                  | 9.82             | 1.36                | 0.04              |
| <b>Tynagh Energy Ltd</b>                               | Tynagh - TYC        | 384      | 92.99                  | 0.51             | 2.42                | 4.08              |
| <b>Viridian</b>  | Huntstown - HN2     | 400      | 85.67                  | 10.67            | 0.39                | 3.27              |
|  | Huntstown - HNC     | 342      | 93.08                  | 0.05             | 2.97                | 3.90              |

**Table 5: Unit-by-Unit 365 Day Rolling Availability Demand Side Units – April 2018 to April 2019**

| Unit-by-Unit 365 Day Rolling Availability – April 2019 |                            |                        |                  |                     |                   |
|--|----------------------------|------------------------|------------------|---------------------|-------------------|
| Company  | Unit                       | Monthly Availability % | Monthly Forced % | Monthly Scheduled % | Monthly Ambient % |
| <b>Activation Energy</b>                               | Activation Energy 1 – AE1  | 28.92                  | 58.61            | 12.47               | 0                 |
|  | Activation Energy 2 – AE2  | 31.49                  | 67.34            | 1.17                | 0                 |
|  | Activation Energy 3 – AE3  | 55.11                  | 44.33            | 0.56                | 0                 |
|  | Activation Energy 4 – AE4  | 7.56                   | 78.96            | 13.48               | 0                 |
|  | Activation Energy 5 – AE5  | 54.59                  | 3.6              | 41.81               | 0                 |
| <b>DAE VPP</b>   | DAE VPP – DP1              | 68.96                  | 0                | 31.04               | 0                 |
|  | DAE VPP – DP2              | 18                     | 0                | 82                  | 0                 |
| <b>Electricity Exchange Ltd</b>                        | Electricity Exchange – EE1 | 55.28                  | 0.01             | 44.71               | 0                 |
|  | Electricity Exchange – EE2 | 45.25                  | 0.01             | 54.74               | 0                 |
|  | Electricity Exchange – EE3 | 40.42                  | 0.08             | 59.5                | 0                 |
|  | Electricity Exchange – EE4 | 65.93                  | 0                | 34.07               | 0                 |
|  | Electricity Exchange – EE5 | 51.4                   | 0.05             | 48.55               | 0                 |
| <b>Electric Ireland</b>                                | Electric Ireland – EI1     | 76.36                  | 0.03             | 23.61               | 0                 |
| <b>Endeco</b>  | Endeco 1 – EC1             | 57.07                  | 0                | 42.93               | 0                 |
|  | Endeco 2 – EC2             | 32.21                  | 0.04             | 67.75               | 0                 |
|  | Endeco 5 – EC5             | 53.27                  | 0.22             | 46.51               | 0                 |
| <b>Energy Trading Ireland</b>                          | Energy Trading – ET1       | 63.9                   | 36.1             | 0                   | 0                 |
| <b>Powerhouse</b>                                      | Powerhouse – PG1           | 63.25                  | 36.75            | 0                   | 0                 |
| <b>Viridian</b>  | Viridian Energy – VE1      | 53.27                  | 0                | 46.73               | 0                 |
|  | Viridian Energy – VE2      | 52.27                  | 0.01             | 47.72               | 0                 |

**Table 6: 365 Day Rolling System Total Average Availability – April 2018 to April 2019**

|  | Yearly Availability % | Yearly Forced % | Yearly Scheduled % | Yearly Ambient % |
|--|-----------------------|-----------------|--------------------|------------------|
| <b>System Total Average Availability</b> | 75.65                 | 15.62           | 7.83               | 0.9              |