

**01**

Publication

**17.00 -  
19.00**Period when TRIADs  
usually occur

## TRIAD Season 2019 - 2020

### What are TRIADs?

TRIADs are the three half-hours of greatest electricity demand on the National Grid during November to February. They are retrospectively determined by the National Grid to calculate transmission (TNUoS) charges for electricity consumers.

Suppliers will typically charge a monthly indicative TNUoS estimate to cover the TRIAD season, with any deviances reconciled retrospectively based on actual consumption.

TRIADs should be used as an incentive for large electricity consumers to reduce consumption during expected TRIAD periods in order to reduce annual costs.

### When do they occur?

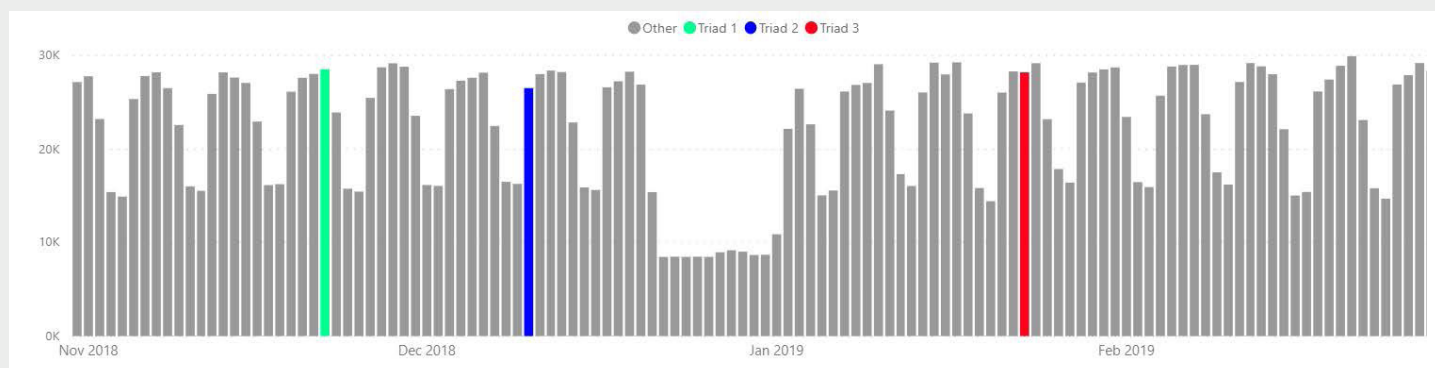
The TRIAD season runs between November to February. There must be a clear 10-day period between any two TRIADs. Previous years have shown most TRIADs occur on a Monday, with none yet over the weekend.

Although they are likely to occur at any point throughout the day, most occur within the 17:00 – 19:00 period. Last winter they occurred on:

- Thurs 22<sup>nd</sup> Nov 2018  
17:00 - 17:30
- Mon 10<sup>th</sup> Dec 2018  
17:00 - 17:30
- Wed 23<sup>rd</sup> Jan 2018  
17:00 - 17:30

2018 - 2019 TRIAD dates and times

## An illustration of the 2018 - 2019 Triad Periods



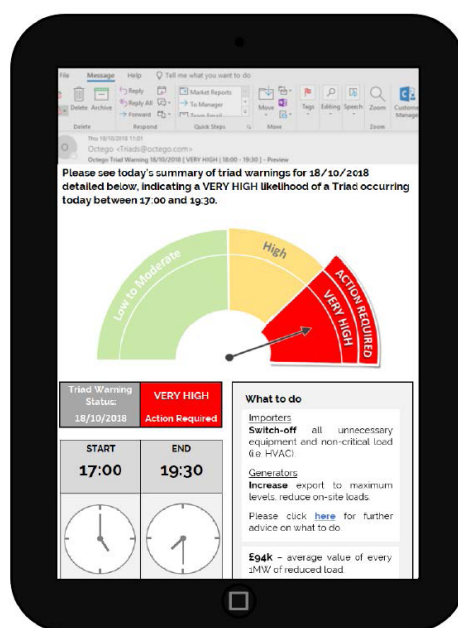
### What is the value?

The cost of TRIADs for consumers varies across the UK dependent on location. On average TRIADs will cost £46.94/kW, that equates to £94k for every 1MW of consumption. It is advised to implement a TRIAD Action Plan to reduce the load of unnecessary equipment at the advised time upon receiving a warning. It should be simple to trigger and considered in full to avoid unintended costs. Embedded generators receive payments for any electricity exported to grid during TRIAD periods. Although the value has reduced for generators in recent years, to optimise the financial potential it is advised that export is maximised when warnings are issued.



### How will I know there is a TRIAD?

Optimised Energy will send TRIAD warnings whenever a TRIAD is expected to occur. We aim to send out around 15-20 notifications across the period detailing a High or Very High likelihood status. Upon receiving a warning, we recommend aiming to reduce electricity consumption as much as possible during the period specified. This is what a TRIAD alert will look like. When you see this you should take action.



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