

# Understanding your Triads

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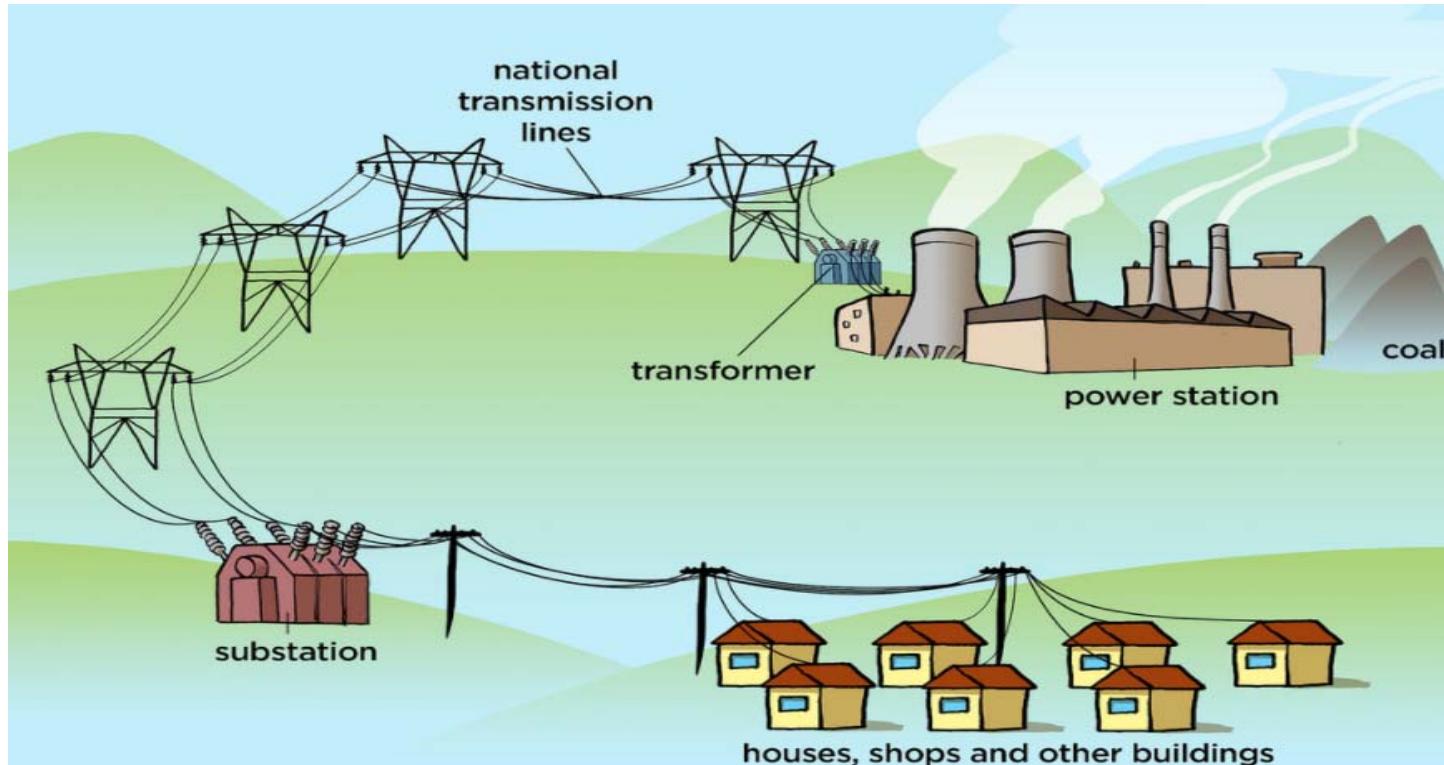


## What we will cover

- ✓ What is TNUoS?
- ✓ What is Triad Season?
- ✓ Where can I see these charges?
- ✓ How you can reduce Transmission cost?
- ✓ How EDF Energy can support you?
- ✓ Answer your questions



# Transmission Network Use of System (TNUoS):



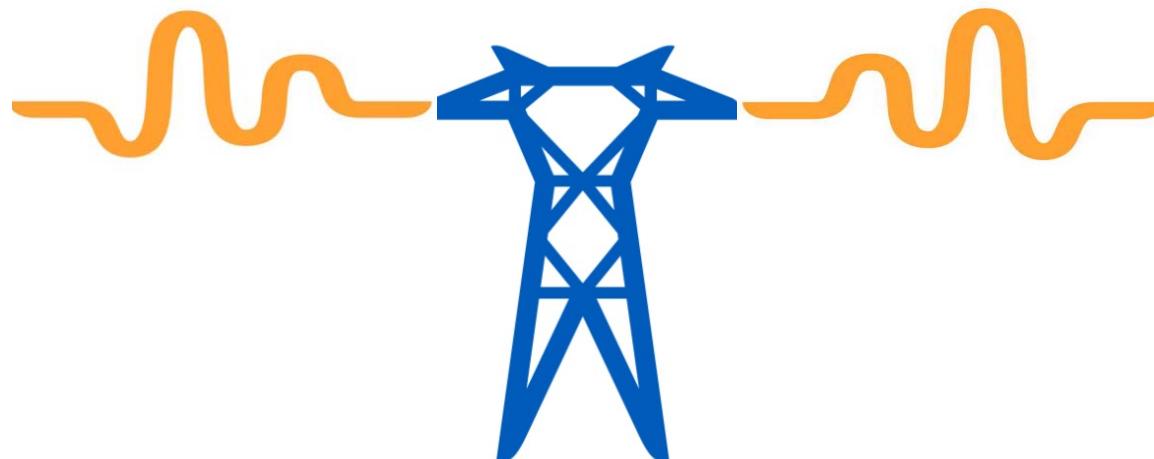
- Cost of transferring electricity from Power Stations to local distribution networks
- Finances the maintenance of the UK's electricity grid



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# How do I pay Transmission costs?

- Pass Through vs Fully Inclusive
- You pay a monthly contribution towards your annual transmission cost.
- National Grid calculate your final annual Transmission costs
- Your supplier will then reconcile the difference between your total contribution and final annual Transmission costs



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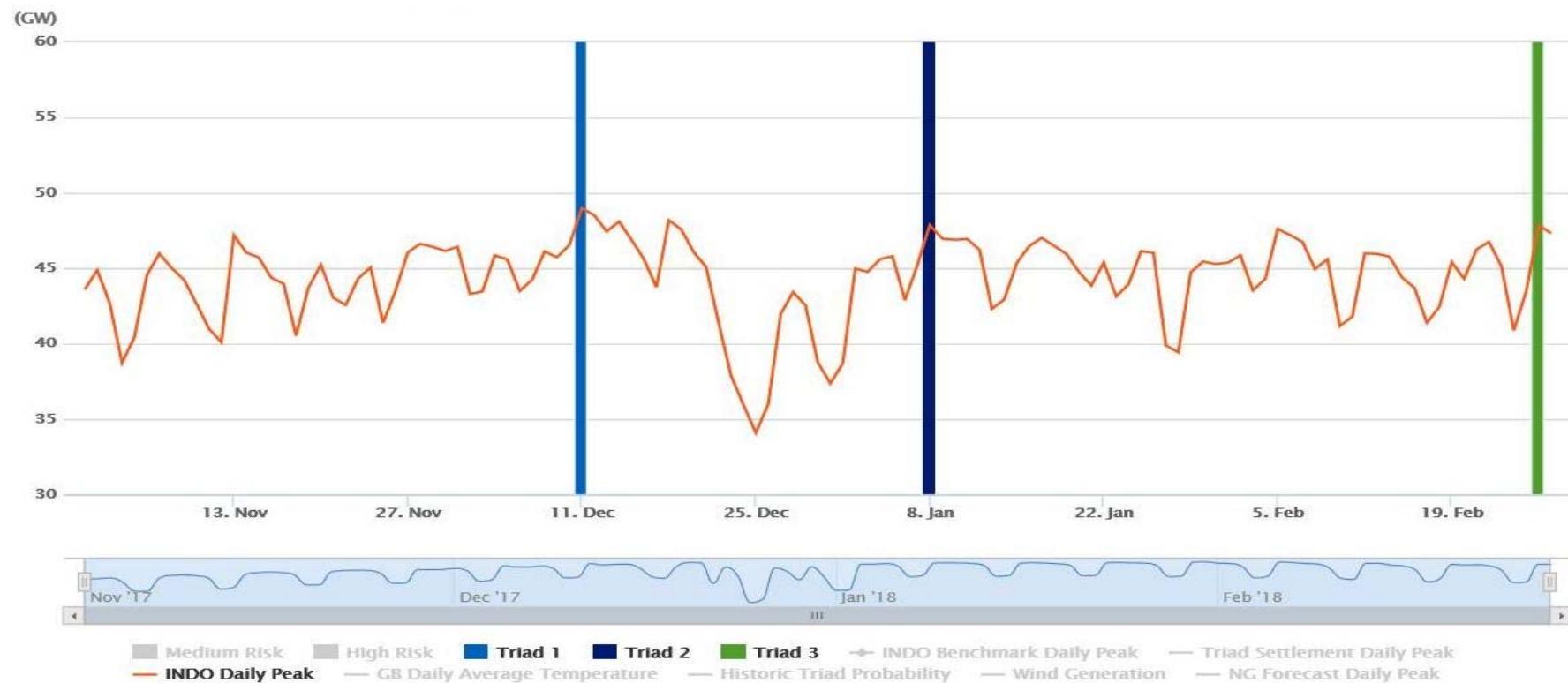


# Tell me more about the Triad Season?

The top three half-hour peaks of energy demand across the grid, separated by ten clear days, over the most energy intensive period of the year: **November to February**.

These peaks are identified at the end of the season (March).

Triads typically occur when high business demand meets the domestic tea-time period, causing an overall spike in energy use.



# Where can I see my transmission charge

Electricity invoice detail: period 01 Mar 18 - 31 Mar 18 (31 days)

## › Supply Address

### › Transmission Network Use of System

The following charges apply to invoice period: 01 Mar 18 - 31 Mar 18

MPAN	Forecast TRIAD demand	MD%	Charge description	Charge for period
	-	85.00%	Monthly TNuS Charge 4.79 kW at £54.969649 per kW	£263.30
<b>Total Transmission network use of system</b>				<b>£263.30</b>

### › Transmission Network Use of System reconciliation (appears only once per year after reconciliation)

MPAN	Date	Demand during period	Loss Adjustment Factor	Charge rate
	11 Dec 17 17:00:00	60.80	1.037000	£54.9696490
	05 Feb 18 17:30:00	66.40	1.037000	£54.9696490
	26 Feb 18 18:00:00	63.20	1.037000	£54.9696490
<b>Total charges</b>				<b>£3,617.82</b>
<b>Total charge billed</b>				<b>-£3,692.85</b>
<b>Final reconciliation</b>				<b>-£75.03</b>





# Small steps to big savings

What do I  
use between  
4pm – 7pm?

Do I need to  
use it?

Can I do it at  
a cheaper  
time?

Assessing **energy consumption** and **spend** within your portfolio is the first step to take. Spend might not be proportional across your estate, so it's essential to know where the opportunities are.



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# Generating Electricity onsite

- Use onsite generation assets during Triad events - **reduce your electricity demand from the grid.**

- ✓ Coincide generation testing with potential Triad events
  - ✓ Set up a Triad Management strategy in readiness
  - ✓ Utilise generators between 4pm – 7pm if a high or medium alert is received

- Consider maintenance, fuel and carbon costs of using generation assets when responding to Triad events.



# Triad Warning Service – How can we help?

- Triad events are not known or published in advance.
- There are **specific conditions** in which they are more likely to occur.
- EDF Energy offer our customers a free **Triad Warning Service**.
- The service issues a **status report for each weekday in the Triad period**, giving the likelihood of a Triad event falling on that day.
- These can be sent via **e-mail** or a **text message**.



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# Triad Warning Service – Status Reports

- Triad status reports are issued in the morning, and each day is assigned a risk category:
- **Low Risk** - A Triad is not predicted today
- **Medium Risk** - Based on the information available there is some risk that a Triad may occur
- **High Risk** - Based on the information available there is a significant likelihood that a Triad will occur



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# Sign up to Market Insight for triad alerts

[www.edfenergy.com/marketinsight](http://www.edfenergy.com/marketinsight)

The screenshot displays the EDF Energy Market Insight website. On the left, there's a 'Login' form with fields for 'Email address' and 'Password', and links for 'Forgotten Password' and 'Remember me (optional)'. On the right, the main content area shows the 'Control panel' for managing alerts. The alert list includes:

- Price curve (checked)
- Wholesale price update (checked)
- Daily Triad probability report
  - Alerts - Email & SMS (selected)
  - Alerts - None
  - Alerts - Email
  - Alerts - SMS
  - Alerts - Email & SMS
- Triad data report (checked)

Below the alert list, there are two toggle switches:

- Triad daily peak period forecasts
- Triad warning savings calculator

At the bottom right, there's a 'Save' button.



# Calculate your benefits

**EDF ENERGY**

Energy Commodities GB Power Triad alerts Updates Documents Control panel Help

## Triad warning savings calculator

Calculate an estimate of the savings you can make by reducing consumption at your site during a triad period.

**Consumption \***

Annual GWh  MW

0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1 000

**Reduction (%)**

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

**Region \***

London Find out your region >

Calculate my savings >

Your estimated TNUoS savings: **£17,290.00**

**Calculator info**

Please note that calculated savings only reflect savings for one single Triad period and not all three Triad periods combined.

The calculation requires an estimate of the consumption at your site. You can provide this in one of two ways. Annual GWh (which you can find from your bills) indicates your “average” consumption. Alternatively, if you know the likely rate of consumption during the triad period, measured in MW, this may enable a more accurate estimate.

Next consider the percentage reduction in load that you can achieve, based on the actions you plan on your site for triad avoidance.

We also require your geographical location as the charges associated with triad vary across the country.

Finally click on “Calculate my savings” to review the amount you can save each time you reduce load during a Triad period.

Time is running out







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- Understand what makes up your energy prices, and how changes in the market will affect your budget
- Discuss with our experts what's going on in the energy industry and what we think you should be planning for
- Work through practical examples in table exercises so you can walk away with all the tools you need to Manage, Understand and Save your energy

Sheffield  
4 October



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