Quick Guide - Production Efficiency (PE) interactive dashboard
Tabs and filters – area trends tab

Static visual

Use filters in year/area boxes to see trends, selection of one year value is default. Click to select and deselect area.

Select year and region to update the dashboard. Deselect the region to see UKCS figures. Click on reset filters to clear added filters.

Browse through two tabs to see area trends and losses trends.

Overall United Kingdom Continental Shelf (UKCS) Production Efficiency (PE) has improved for the sixth consecutive year. In 2019, PE reached 75%, driving an increase in production for the UKCS. This 1% improvement helped to contribute an additional 11 million barrels of oil equivalent (mmbboe) for the year which equates to 30,000 barrels of additional production per day. 40% of total UKCS hubs achieved 80% or more PE in 2018.

Total UKCS economic production potential increased by 1 mmbboe, due to new fields coming online, counteracting the natural decline in production of mature fields. Actual wellhead production also increased by 3% from 2017. UKCS production losses decreased to 202 mmbboe in 2017. Reduction in overall losses was a result of drop in well flow and export (38%) losses. Plant losses have increased by 14%.

Four out of five regions increased production efficiency during 2018: Only the Central North Sea (CNS) had a PE decline of 1% point. After a significant drop in 2017, The West of Shetland (WoS) continued its in trend with the second largest improvement of 6% point.

Hubs in the UKCS were shut down for a total of 2,177 days in 2018, 15% longer than planned. Over-run percentage was reduced by 53% from 2017, which shows an improved estimation by operators of planned shutdown days. 98 days of planned turnaround (TAR) were deferred into subsequent years in 2018.

Floating platforms had the greatest increase in overall PE, up 4% point from 2017. The main driver for this increase was a 13% point improvement of floating platform PE in the Northern North Sea (NNS) and WoS. Large platforms had an increase 4% point increase in PE from 2017.
**Tabs and filters – Losses tab**

**Static visuals**

- Use filters in year/area boxes to see trends, selection of one year value is default. Click to select and deselect area.

**Clicking through loss category pie chart will apply changes to loss type & infrastructure type graphs. Details on next page.**

- Clicking through loss type options will apply changes to infrastructure type graph. Details on next page.

**Browse through two tabs to see area trends and losses trends.**
Losses trend – filtered by loss category

Select loss category from pie chart to filter all dynamic visuals. Further trends available by changing area/year for selected loss category.

To reset the dashboard, please deselect the pie chart selection or click reset filters.
Losses trend – filtered by loss type

Select loss type from bar chart to filter all dynamic visuals. Further trends available by changing area/year for selected loss type.

Deselect the bar chart selection or click reset filters to reset the filters.
Losses trend – filtered by infrastructure type

Loss category selected for infrastructure type will filter dynamic visuals for selected infrastructure type and loss category. Further trends can be spotted by changing area/year for selected loss type.

Overall losses dropped by 3% in 2018. Percentage of potential lost has also dropped from 74% in 2017 to 23% in 2018, indicating overall reduction in potential lost. Biggest contributor for UKCS losses are plant losses, export and well losses have dropped in 2018.

Plant losses have increased by 14% compared to 2017. This increase is due to significant 43% increase in Full plant losses (including TAR and planned shutdowns) as compared to 2017. Small platforms and floating platforms showed increases in well failures by 180% and 55% respectively. Second biggest plant losses category to show increase in gas systems increased by 43%. Other categories which show decrease in plant losses are Utility system (by 31%) and control systems (by 3%).

Export losses reduced significantly in 2018 by 30%. This reduction was driven by decrease in unplanned terminal outage (46%) and pipeline (46%) losses. Categories showing increase in export losses for 2018 were planned terminal outages, shufle banker, blending/backout and utilities import losses. Pipeline losses in 2017 were significant due to one off event. In 2018 lack of such event has resulted reduction in pipeline loss.

Well losses continued to show declining trend. Well losses in UKCS fell by 21% in 2018. Completion losses fell by 62% in 2018, mainly driven decrease in well losses. Wellhead losses remains consistent with 2017, not showing any significant changes. Reservoir losses continue to dominate overall well losses, with slight increase in 2018.