

Wales Route Periodic Performance Report - 2017/2018 P1

Figure 1 provides an overview of the impact of different weather related events by day for period 1 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P1 2017 Wales

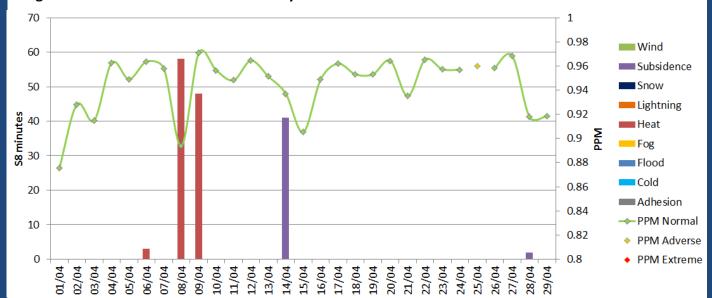


Figure 2 Weather related Schedule 8 cost impact for P1 Wales

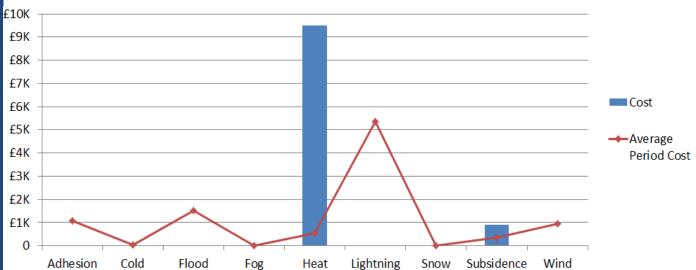


Table 1 Top 10 weather related incidents P1

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
09/04/2017	STJ LWERWJN ESR 30/60 MPH	Severn Tunnel Jn : Llanwern West Jn	WALES	Heat	48	£4,256.19
14/04/2017	TSR 30/50 DM (REV) WEM NAN	Nantwich : Wem	WALES	Subsidence	23	£483.46
14/04/2017	TSR 30/50 DM (REV) WEM NAN	Nantwich : Wem	WALES	Subsidence	18	£378.36
06/04/2017	HEAT PTS TRAMINN HFD	Tram Inn : Hereford	WALES	Heat	3	£108.15
28/04/2017	TSR 30/50 DM (REV) WEM NAN	Nantwich : Wem	WALES	Subsidence	2	£57.07



NetworkRail Weather Resilience and Climate Change Adaptation Wales Route Periodic Performance Report – 2017/2018 P2

Figure 1 provides an overview of the impact of different weather related events by day for period 2 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.



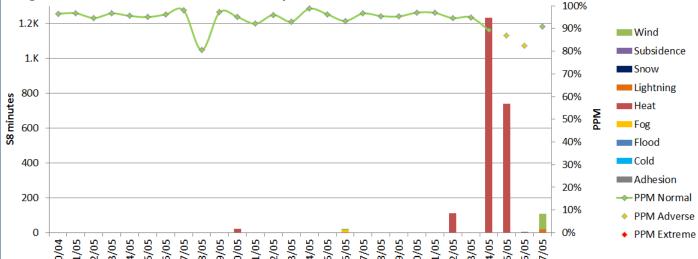


Figure 2 Weather related Schedule 8 cost impact for P2 Wales

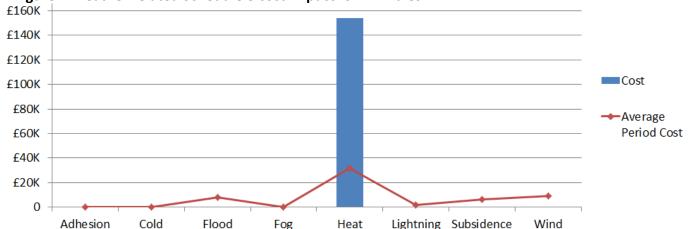


Table 1 Top 10 weather related incidents P2

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
24/05/2017	MSHFILD NWP 20 MPH UM CRT	Newport (South Wales) : Marshfield	WALES	Heat	716	£49,417.35
25/05/2017	EBBWJ MSHFILD DM CRT 20MPH	Newport (South Wales) : Marshfield	WALES	Heat	331	£33,078.37
24/05/2017	NWP MSHFILD DM CRT 20MPH	Newport (South Wales) : Marshfield	WALES	Heat	215	£18,355.89
25/05/2017	WENTLOG EBBWJ UR CRT 20MPH	Wentloog (Freightliners): Marshfield	WALES	Heat	152	£17,180.99
24/05/2017	CDF PYC CRT 20MPH	Cardiff Central : Pontyclun	WALES	Heat	224	£14,249.60
25/05/2017	PONTSARN DM CRT 20MPH	Cardiff Central : Pontyclun	WALES	Heat	165	£11,706.76
25/05/2017	HHD BNG UM CRT 20MPH	Holyhead : Bangor (Gwynedd)	WALES	Heat	64	£3,938.91
10/05/2017	STJN LWERWJN HEAT SPEED 30/60	Severn Tunnel Jn : Llanwern West Jn	WALES	Heat	23	£2,166.13
25/05/2017	BNF DM CRT 20MPH	Neath : Port Talbot Parkway	WALES	Heat	11	£1,060.89
24/05/2017	EBBWJ UR CRT 20MPH	Newport (South Wales) : Marshfield	WALES	Heat	42	£953.26



NetworkRail Weather Resilience and Climate Change Adaptation Wales Route Periodic Performance Report – 2017/2018 P3

Figure 1 provides an overview of the impact of different weather related events by day for period 3 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.



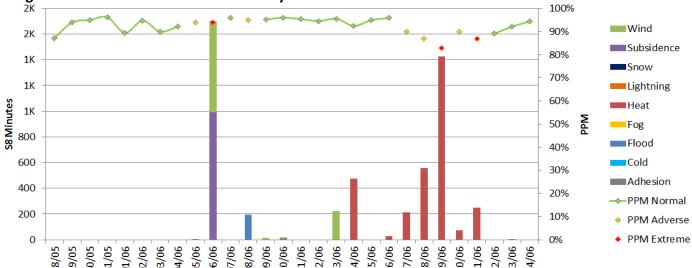


Figure 2 Weather related Schedule 8 cost impact for P3 Wales

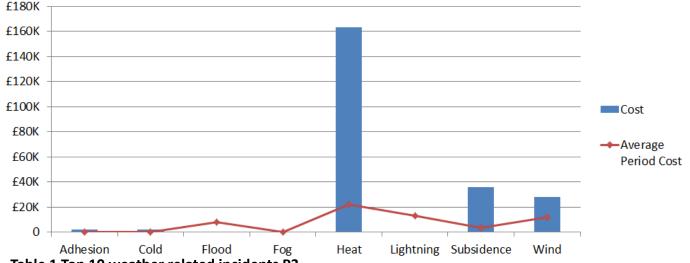


Table 1 Top 10 weather related incidents P3

Date	IncidentDescription	stanoxSection	Route	Weather Category	Minutes	Cost
18/06/2017	STJ LWERWJN 20MPH CRT ESR	Severn Tunnel Jn : Llanwern West Jn	WALES	Heat	440	£52,049.12
19/06/2017	EBBWJ 161M 59CH 20 MPH ESR	Newport (South Wales)	WALES	Heat	233	£26,944.81
19/06/2017	20MPH ESR UM WOOFERTON	Woofferton: Craven Arms	WALES	Heat	564	£21,482.56
06/06/2017	TSR 137416 20MH NAN WEM	Nantwich : Wem	WALES	Subsidence	479	£17,914.29
19/06/2017	20MPH ESR UM WOOFERTON	Woofferton: Craven Arms	WALES	Heat	439	£15,960.90
06/06/2017	FALLEN TREE HFD	Hereford	WALES	Wind	284	£11,146.61
18/06/2017	CDF PYC 20MPH CRT ESR	Cardiff Central : Pontyclun	WALES	Heat	66	£10,840.90
14/06/2017	AGV TRAM CRT DM 20 MPH	Abergavenny : Tram Inn	WALES	Heat	295	£9,891.11
06/06/2017	TSR 137416 20MH NAN WEM	Nantwich : Wem	WALES	Subsidence	277	£9,884.49
06/06/2017	TSR 137416 20MH NAN WEM	Nantwich : Wem	WALES	Subsidence	224	£7,855.55



Wales Route Periodic Performance Report - 2017/2018 P4

Figure 1 provides an overview of the impact of different weather related events by day for period 4 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P4 2017 Wales

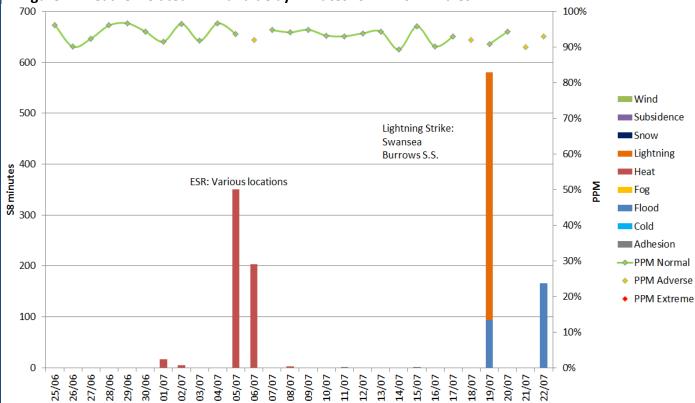
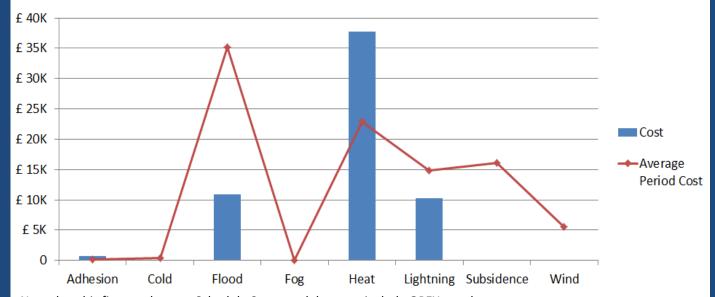


Figure 2 Weather related Schedule 8 cost impact for P4 Wales





NetworkRail Weather Resilience and Climate Change Adaptation Wales Route Periodic Performance Report – 2017/2018 P5

Figure 1 provides an overview of the impact of different weather related events by day for period 5 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.



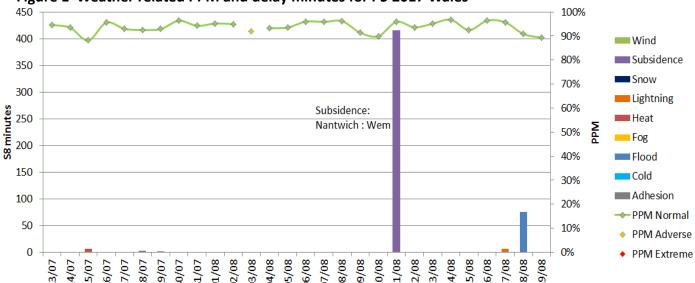
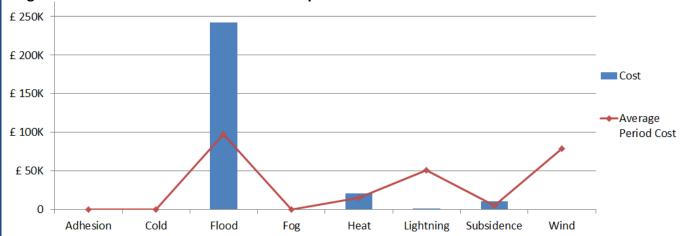


Figure 2 Weather related Schedule 8 cost impact for P5 in Wales



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P5

Date	IncidentDescription	stanoxSection	Weather Category	Minutes	Cost
11/08/2017	TSR 137416 20MH NAN WEM	Nantwich : Wem	Subsidence	414	£16,482.98
18/08/2017	FLOODING BOR	Dovey Junction	Flood	67	£1,251.56
28/07/2017	1L55 PRHC CDF-MSHFILD	Marshfield : Cardiff Central	Adhesion	2.5	£284.24
18/08/2017	FLOODING TYW	Dovey Junction : Tywyn	Flood	9	£168.12
25/07/2017	XCI CRT 20MPH ESR	Carmarthen Jn	Heat	6	£126.12
17/08/2017	WRX LIGHTNING	Wrexham Central	Lightning	6	£112.08
11/08/2017	1L92 RAILHEAD NWP PIL	Severn Tunnel Jn : Pilning	Adhesion	1.5	£60.93
29/07/2017	1L24 PRHC NWP LLWERNJN	nwern West Jn : Newport (South Wal	Adhesion	0.5	£9.28



Wales Route Periodic Performance Report – 2017/2018 P6

Figure 1 provides an overview of the impact of different weather related events by day for period 6 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P6 2017 Wales

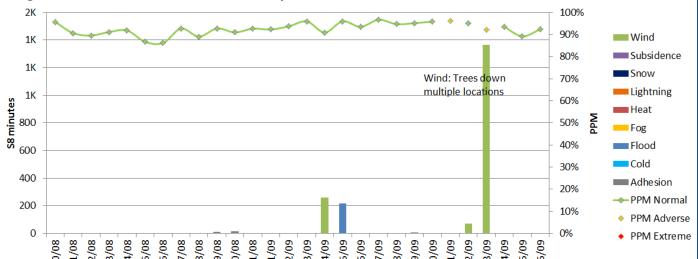


Figure 2 Weather related Schedule 8 cost impact for P6 Wales

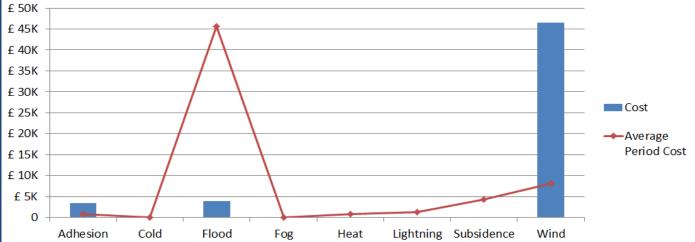


Table 1 Top 10 weather related incidents P6

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Date	IncidentDescription	stanoxSection	Weather Category	Minutes	Cost			
13/09/2017	2N05 STRUCK BRANCHES PYC CDF	Cardiff Central : Pontyclun	Wind	483	£20,472.65			
13/09/2017	TREE ON LINE LLE PTA	Port Talbot Parkway	Wind	222	£5,453.58			
13/09/2017	TREE ON LINE SHIP	Shelwick Jn	Wind	258	£5,335.19			
13/09/2017	1W42 STRUCK TREE WOFERTN	Woofferton : Craven Arms	Wind	77	£4,590.99			
05/09/2017	BRM HRL FLOODING	Barmouth	Flood	216	£3,898.80			
04/09/2017	2R24 TREE STRUCK CPH YSM	Ystrad Mynach : Caerphilly	Wind	259	£3,007.06			
12/09/2017	BLANKET SPEED 50MPH BNG HHD	Holyhead : Bangor (Gwynedd)	Wind	19	£2,333.96			
13/09/2017	TREE STRUCK PTA	Port Talbot Parkway	Wind	10	£2,141.10			
30/08/2017	1L14 PRHC PTA BGN	Port Talbot Parkway : Bridgend	Adhesion	14.5	£2,070.14			
13/09/2017	ITEM ON LINE CDF MSHFILD	Marshfield : Cardiff Central	Wind	83	£1,407.43			



Wales Route Periodic Performance Report – 2017/2018 P7

Figure 1 provides an overview of the impact of different weather related events by day for period 7 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P7 2017 Wales

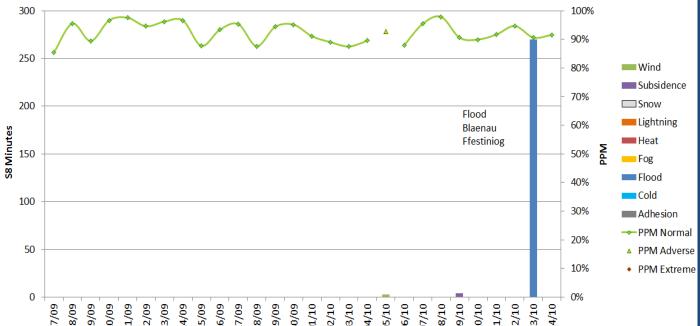


Figure 2 Weather related Schedule 8 cost impact for P7

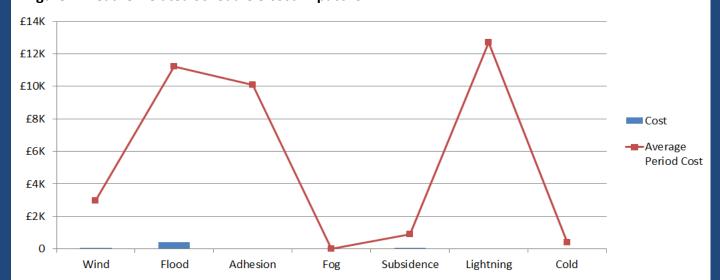


Table 1 Top 10 weather related incidents P7

StartDate	Incident Description	stanoxSection	WeatherCategory	Delay	Cost
13/10/2017	BFF LLJ FLOODING	Blaenau Ffestiniog	Flood	270	£405.00
09/10/2017	50MPH TSR 138820 NAN WEM	Nantwich : Wem	Subsidence	4	£84.08
05/10/2017	MCN TALRDIG TREE ON LINE	Talerddig : Machynlleth	Wind	3	£54.15



Wales Route Periodic Performance Report – 2017/2018 P8

Figure 1 provides an overview of the impact of different weather related events by day for period 8 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P8 2017 Wales

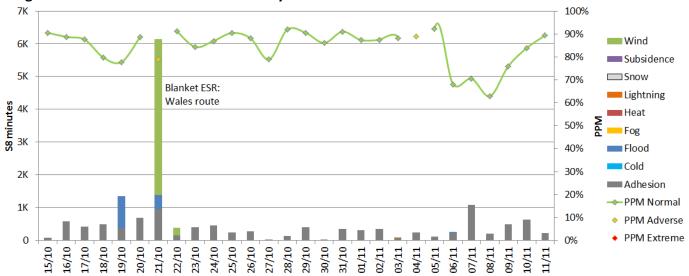


Figure 2 Weather related Schedule 8 cost impact for P8 Wales

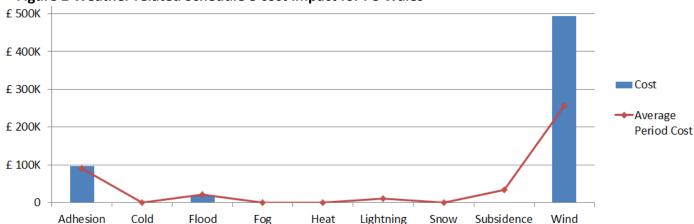


Table 1 Top 10 weather related incidents P8

Date	IncidentDescription	stanoxSection	Weather Category	Minutes	Cost
21/10/2017	BLANKET ESR S.WALES MAINLINE	Cardiff Central	Wind	5206	£315,106.41
16/10/2017	CLR FGH TREE ON LINE	Fishguard Harbour : Clarbeston Road	Wind	669	£47,752.88
16/10/2017	BLANKET ESR 50MPH BNG HHD	Holyhead : Bangor (Gwynedd)	Wind	451.5	£20,528.47
11/11/2017	TREE ON LINE PYC CDF	Cardiff Central : Pontyclun	Wind	123	£19,616.56
02/11/2017	6B13 20 LOST LLE	Llanelli	Adhesion	300	£12,958.90
17/10/2017	GWN PRHC	Llanelli : Swansea Loop West	Adhesion	364	£12,202.97
16/10/2017	NTH SWA TREE ON LINE	Swansea : Neath	Wind	134	£11,792.89
16/10/2017	PBY LLE FLOODING	Carmarthen	Flood	596	£9,453.95
06/11/2017	6E11 OVERTIME SWANSBS	Swansea Burrows S.S.	Adhesion	430	£9,109.69
16/10/2017	BLANKET ESR 50MPH LLJ BNG	Bangor (Gwynedd) : Llandudno Junction	Wind	171	£8,919.39



Wales Route Periodic Performance Report – 2017/2018 P9

Figure 1 provides an overview of the impact of different weather related events by day for period 9 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P9 2017 Wales

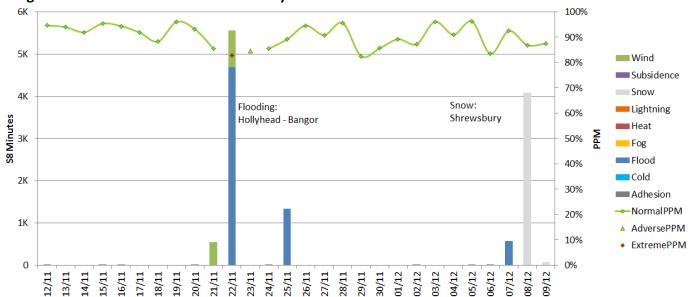
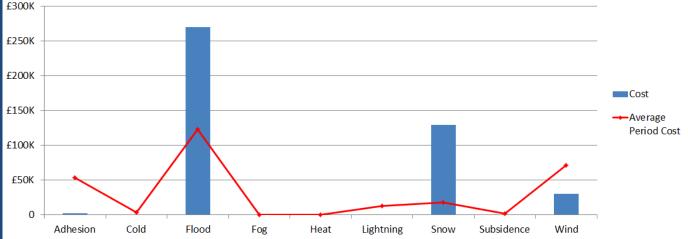


Figure 2 Weather related Schedule 8 cost impact for P9 Wales



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P9

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Date	IncidentDescription	stanoxSection	Weather Category	Delay Minutes	Cost				
22/11/2017	FLOODING HHD BNG	Holyhead : Bangor (Gwynedd)	Flood	3878	£223,048.34				
08/12/2017	WEM SHR SNOW	Wem : Shrewsbury	Snow	2084	£81,291.64				
25/11/2017	FLOODING TALRDIG MCN	Machynlleth	Flood	1344	£43,456.02				
08/12/2017	SHR SNOW	Shrewsbury	Snow	1531	£36,562.51				
21/11/2017	2V02 TREE STRUCK KNI	Knighton	Wind	543	£10,278.07				
22/11/2017	50 MPH BLANKET SPEED BNG HHD	Holyhead : Bangor (Gwynedd)	Wind	395	£9,774.77				
22/11/2017	50 MPH BLANKET SPEED CMN LLE	Llanelli : Carmarthen Jn	Wind	294	£7,343.29				
08/12/2017	CJ57 PTS FROZEN SOLID SNOW	Shrewsbury	Snow	188	£4,898.80				
08/12/2017	GOB SHR SNOW	Gobowen : Shrewsbury	Snow	117.5	£2,408.36				
22/11/2017	FLOODING BFF SRCT	Blaenau Ffestiniog	Flood	785.5	£2,389.40				



Wales Route Periodic Performance Report - 2017/2018 P10

Figure 1 provides an overview of the impact of different weather related events by day for period 10 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

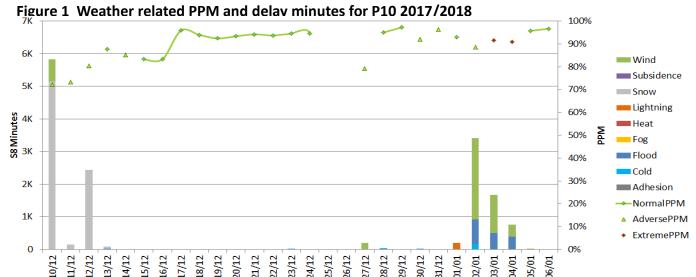
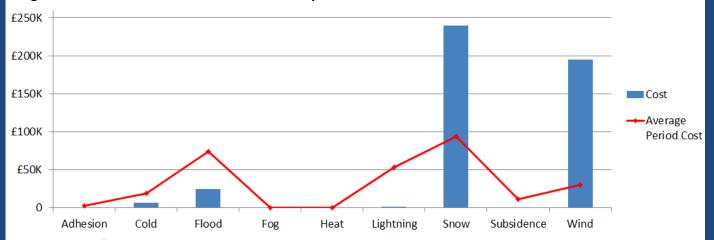


Figure 2 Weather related Schedule 8 cost impact for P10 Wales



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P10

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
10/12/2017	TREE ON THE LINE CWM	Cwmbran	WALES	Snow	1441.5	£71,979.12
02/01/2018	SOUTH ESR 020118 CDF	Cardiff Central	WALES	Wind	1085	£54,903.99
02/01/2018	SOUTH ESR 020118 CDF	Cardiff Central	WALES	Wind	713	£41,396.90
12/12/2017	TREE ON LINE WLN TFC	Wellington (Shropshire): Madeley Jn (Salop)	WALES	Snow	1261.5	£33,620.21
10/12/2017	WEM SHR LC FLR	Wem: Shrewsbury	WALES	Snow	1070.5	£32,262.51
02/01/2018	NORTH ESR 020118 SHR	Shrewsbury	WALES	Wind	691	£27,924.46
03/01/2018	6M02 STRUCK TREE WOFERTN	Leominster: Woofferton	WALES	Wind	799	£25,842.73
03/01/2018	MRGMTC PTA TREE ON LINE	Margam T.C.	WALES	Wind	280	£18,281.32
10/12/2017	AGV BOX CLOSED	Abergavenny	WALES	Snow	716	£17,554.55
10/12/2017	WEM SHR LC FLR	Wem : Shrewsbury	WALES	Snow	718	£16,151.49



Wales Route Periodic Performance Report – 2017/2018 P11

Figure 1 provides an overview of the impact of different weather related events by day for period 11 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P11 2018

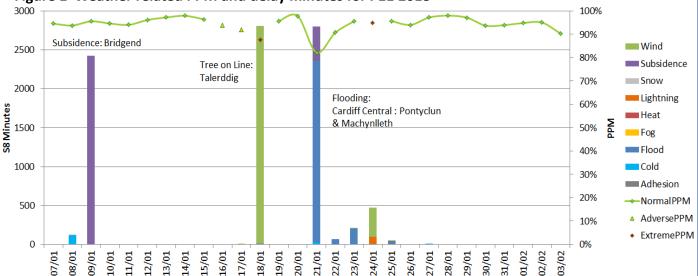


Figure 2 Weather related Schedule 8 cost impact for P11 Wales

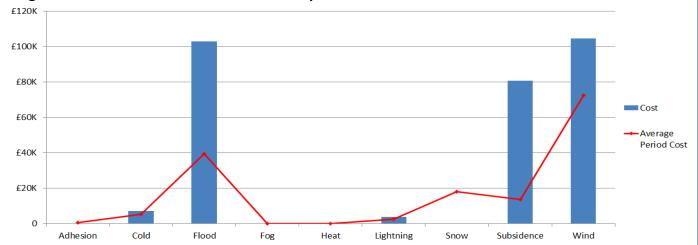


Table 1 Top 10 weather related incidents P11

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
09/01/2018	BGN ESR 5 VOG BOTH LINES	Bridgend	WALES	Subsidence	2428	£74,434.31
21/01/2018	BGN PYC FLOODING - SRCT	Pontyclun : Bridgend	WALES	Flood	615.5	£51,849.83
18/01/2018	TALRDIG TREE ON LINE	Talerddig	WALES	Wind	275	£45,701.35
21/01/2018	CDF PYC FLOODING - SRCT	Cardiff Central : Pontyclun	WALES	Flood	172	£21,772.36
21/01/2018	LLB FLOODING MCN	Machynlleth	WALES	Flood	1132.5	£20,441.69
18/01/2018	MSHBRKX TREE ON LINE SRCT	Marsh Brook Level Crossing	WALES	Wind	348	£14,528.02
24/01/2018	3P12 50MPH ESR MAINDNJ HFD	Abergavenny : Maindee North Jn	WALES	Wind	135	£13,693.05
18/01/2018	NWT WLP OBJECT ON LINE SRCT	Welshpool : Newtown (Powys)	WALES	Wind	530	£10,544.27
24/01/2018	50MPH ESR HHD BNG	Holyhead : Bangor (Gwynedd)	WALES	Wind	133	£7,700.90
08/01/2018	RHL HLWLJN BLOCK FLR	Rhyl : Holywell Jn	WALES	Cold	119	£4,726.10



Wales Route Periodic Performance Report - 2017/2018 P12

Figure 1 provides an overview of the impact of different weather related events by day for period 12 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P12 2018

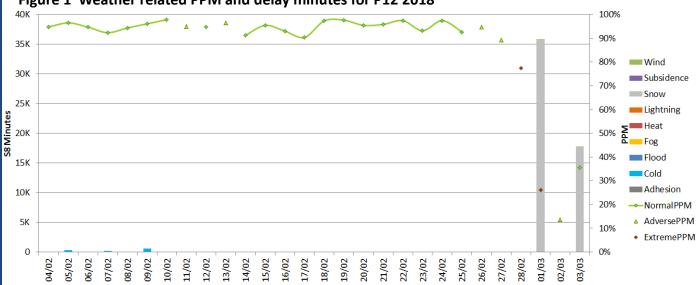
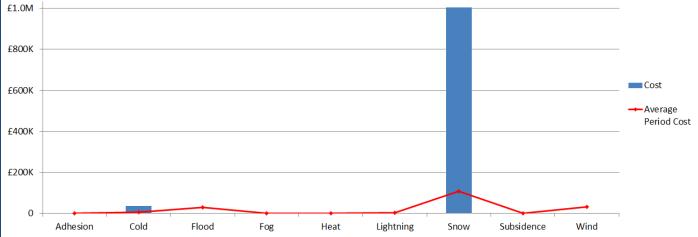


Figure 2 Weather related Schedule 8 cost impact for P12 Wales



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P12

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
01/03/2018	SEV SNOW CDF	Cardiff Central	WALES	Snow	34430.5	£487,034.32
03/03/2018	SNOW INCIDENT WALES 03/03/18	Cardiff Central	WALES	Snow	17602	£335,207.19
01/03/2018	MULTI POINT FLR STJ	Severn Tunnel Jn	WALES	Snow	856.5	£148,863.61
01/03/2018	CDF PYC 9062 PTS FLR	Cardiff Central : Pontyclun	WALES	Snow	117	£25,050.87
09/02/2018	ML19 PTS FLR MRTNONL	Hereford : Moreton-On-Lugg (Tarmac)	WALES	Cold	553	£17,766.08
05/02/2018	XCI 78 PTS FLR	Carmarthen Jn	WALES	Cold	349	£14,959.17
07/02/2018	CMN 73 PTS HEATER	Carmarthen	WALES	Cold	103	£2,735.49
01/03/2018	6E30 CANCELLED MRGMTC	Margam T.C.	WALES	Snow	95	£2,031.10
01/03/2018	6E09 CAPED ONLLWYN	Onllwyn Washery	WALES	Snow	95	£2,031.10
01/03/2018	6B48 CAPED MRGMTC	Margam T.C.	WALES	Snow	95	£2,031.10
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Wales Route Periodic Performance Report – 2017/2018 P13

Figure 1 provides an overview of the impact of different weather related events by day for period 13 in relation to delay minutes and PPM performance for Wales route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P13 2018 Wales

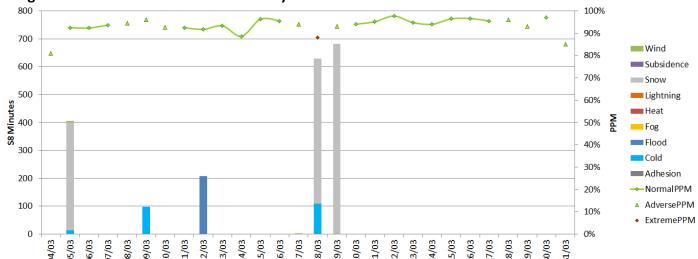
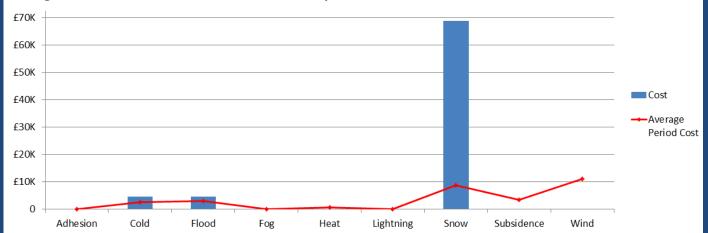


Figure 2 Weather related Schedule 8 cost impact for P13 Wales



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P13

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Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
19/03/2018	WEATHER CANCELLATIONS HFD	Hereford	WALES	Snow	499	£47,486.19
18/03/2018	CRV CA6 PTS FLR POINT HEATER	Shrewsbury	WALES	Snow	312	£5,989.68
12/03/2018	GOB FLOODING SRCT	Gobowen	WALES	Flood	208	£4,659.64
09/03/2018	WEM SHR LC FLR	Wem : Shrewsbury	WALES	Cold	98	£3,524.30
05/03/2018	BRFLD BD28 SIG FLR	Leominster: Woofferton	WALES	Snow	56	£2,106.16
05/03/2018	6E80 CAPED CARDFTS	Cardiff Tidal T.C.	WALES	Snow	95	£2,031.10
05/03/2018	6E20 CAPED LWERXSG	Llanwern Exchange Sdgs	WALES	Snow	95	£2,031.10
18/03/2018	CDF 9036A PTS FLR	Cardiff Central	WALES	Snow	26	£1,506.51
19/03/2018	PTS FLR PENGAMJ	Marshfield : Cardiff Tidal T.C.	WALES	Snow	62	£1,325.56
05/03/2018	VOG 5MPH SPEED UP / DOWN	Cardiff Central : Barry	WALES	Snow	105	£1,006.64