



# Hertfordshire County Council Permit Scheme Evaluation - Year 7

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## 1-Executive Summary

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Seven years in and the Permit Scheme is now comfortably business as usual. HCC have limited any developments to the scheme during year 7 and instead is keeping a watch on the national developments to Permit Schemes, Lane Rental and of course Street Manager

This year saw the appointment of Open Roads Associates to help develop a Lane Rental scheme for Hertfordshire, along with guiding the transition to Street Manager in 2020 and continuing with the work to administer permit fees, performance, incentives and efficiencies. Street Manager is likely to pose a significant short-term risk to the successful operation of the scheme next year.

The report for this year is therefore light touch but I am pleased to see the year on year trends easily identifiable through the excellent suite of graphs and images provided by Tableau.

Monetary value of cancelled permits stands at £123,905 which is still high despite repeated engagement with Statutory Undertakers.

HCC continue to work to develop a meaningful performance measurement framework that will show the benefits of the application of conditions. Ongoing work is being undertaken to analyse congestion and the impact of different traffic management types and therefore the cost to Hertfordshire plc.

Overall I am pleased to see all parties working well together and would like to thank everybody who contributes to the running and operation of the permit scheme in Hertfordshire

Jon Prince IEng MICE MSc  
Group Manager  
Network Management  
Hertfordshire County Council  
December 2019

## ***2-Individual Performance Measures***

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The Performance Measurement and Management of the Permit Scheme underwent a significant review during year 5 of the scheme operation and therefore no major changes were made during year 7. The remainder of this report contains data and analysis for each of the Permit Scheme Performance Indicators (PSPI). Measures should be considered on their individual merits and not necessarily linked together. This is due to the desire to include measures that demonstrate how the objectives and benefits of the scheme are being delivered. Additionally, the data constraints of EToN, for example the separate number of PAAs, Permits or Variations that are refused cannot be determined due to one EToN transaction for all refusals.

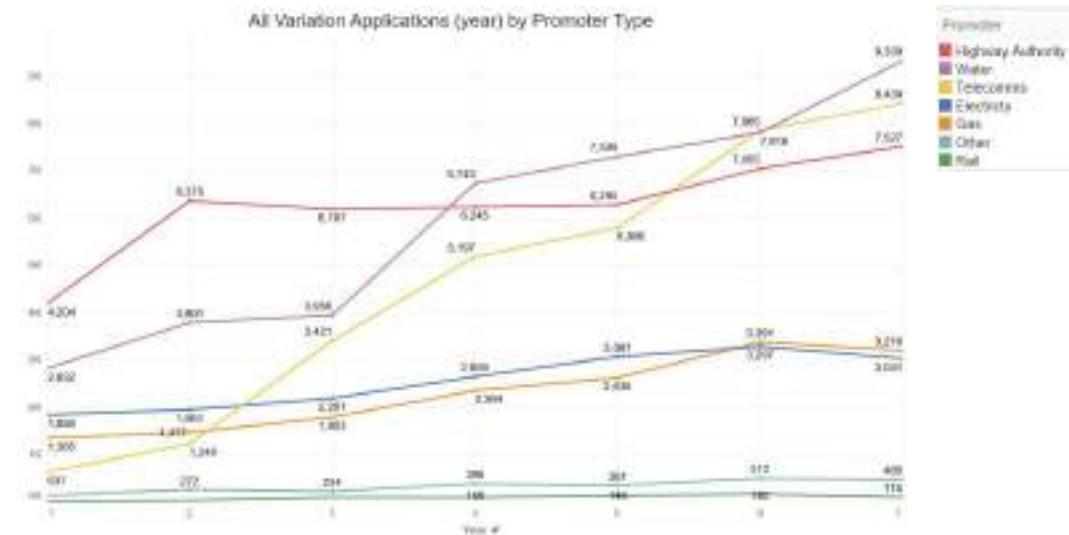
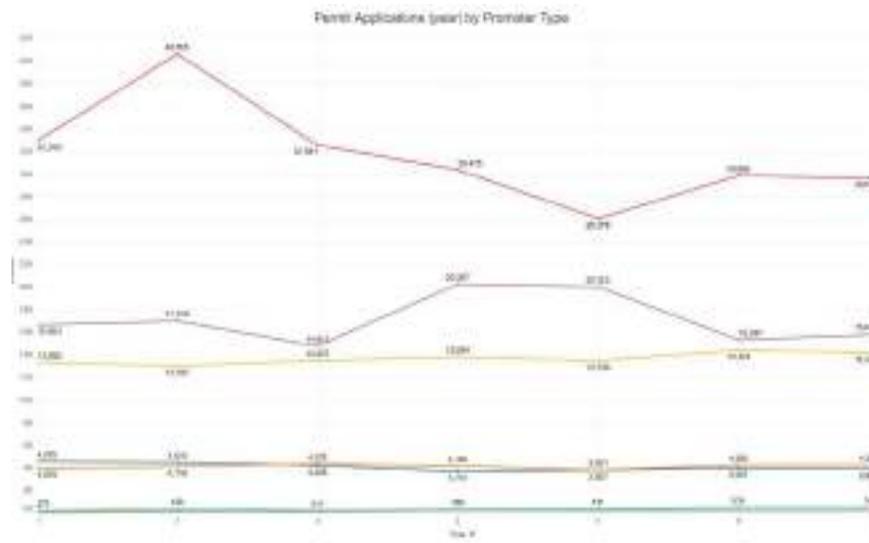
## PSPI-1 Permit Applications

### Description

The number of Permit and Variation Applications received by works type and promoter type (year 7)

		Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
Major	Application	6,595	375	1,184	216	1,063	1,169	131	10,733
	Variation	2,271	212	856	56	442	751	86	4,674
Standard	Application	2,090	874	920	9	1,160	861	151	6,065
	Variation	2,263	1,176	881	2	1,361	1,049	191	6,925
Minor	Application	4,163	462	899	54	10,263	7,801	244	23,886
	Variation	2,118	411	451	55	8,504	5,833	206	15,378
Immediate	Application	16,806	2,205	1,290	15	1,728	6,025	10	28,077
	Variation	875	1,240	1,022	2	132	1,906	3	5,180
<b>Total</b>		<b>37,181</b>	<b>6,957</b>	<b>7,503</b>	<b>409</b>	<b>22,651</b>	<b>25,195</b>	<b>1,022</b>	<b>100,918</b>

### Yearly Summary



### Analysis

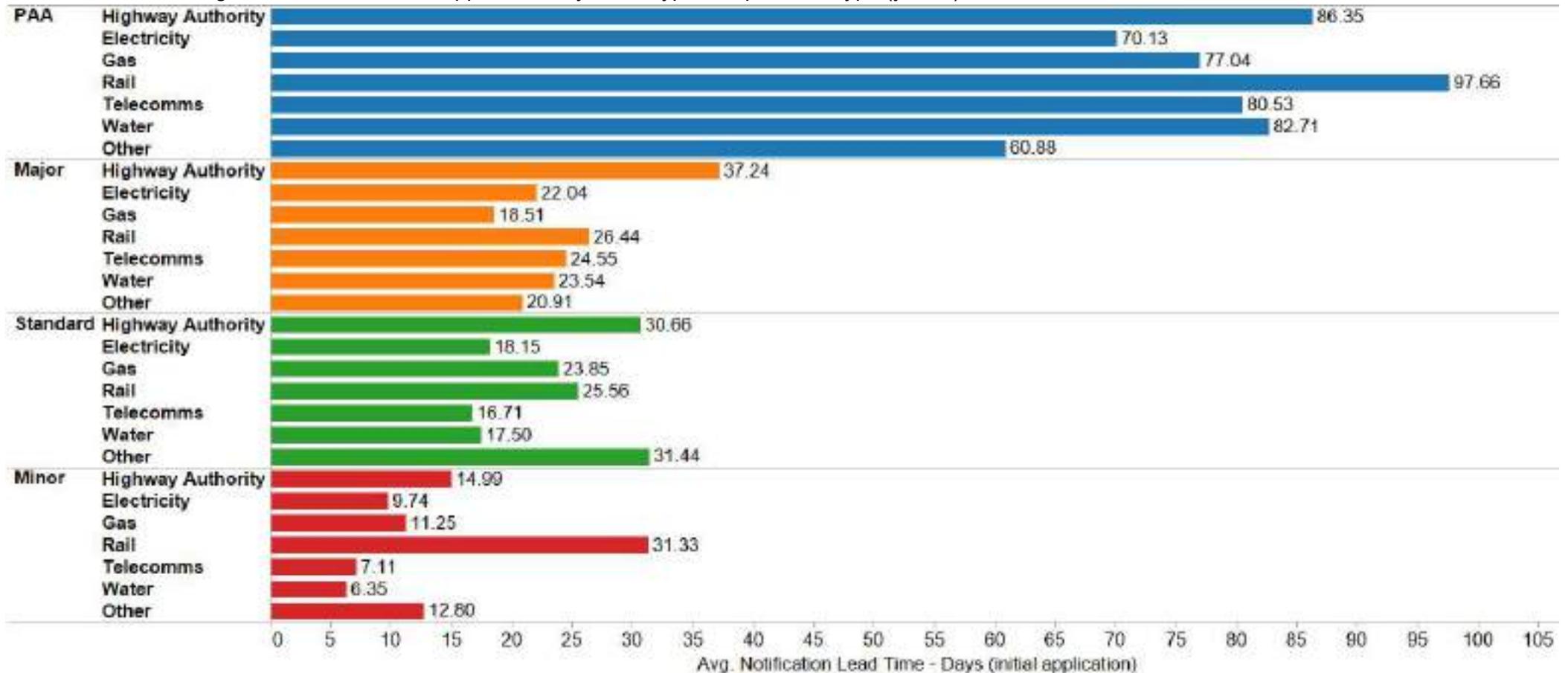
Applications - no meaningful analysis can be drawn from these volumes as there are numerous factors, outside the control of the Permit Scheme, that will influence the number of works carried out on the Highway.

Variations – it is disappointing to see a further increase in the overall volume of variation applications received, particularly from certain Statutory Undertakers. Further analysis and actions are noted within PSPI 7.

## PSPI-2 Application Lead Time

### Description

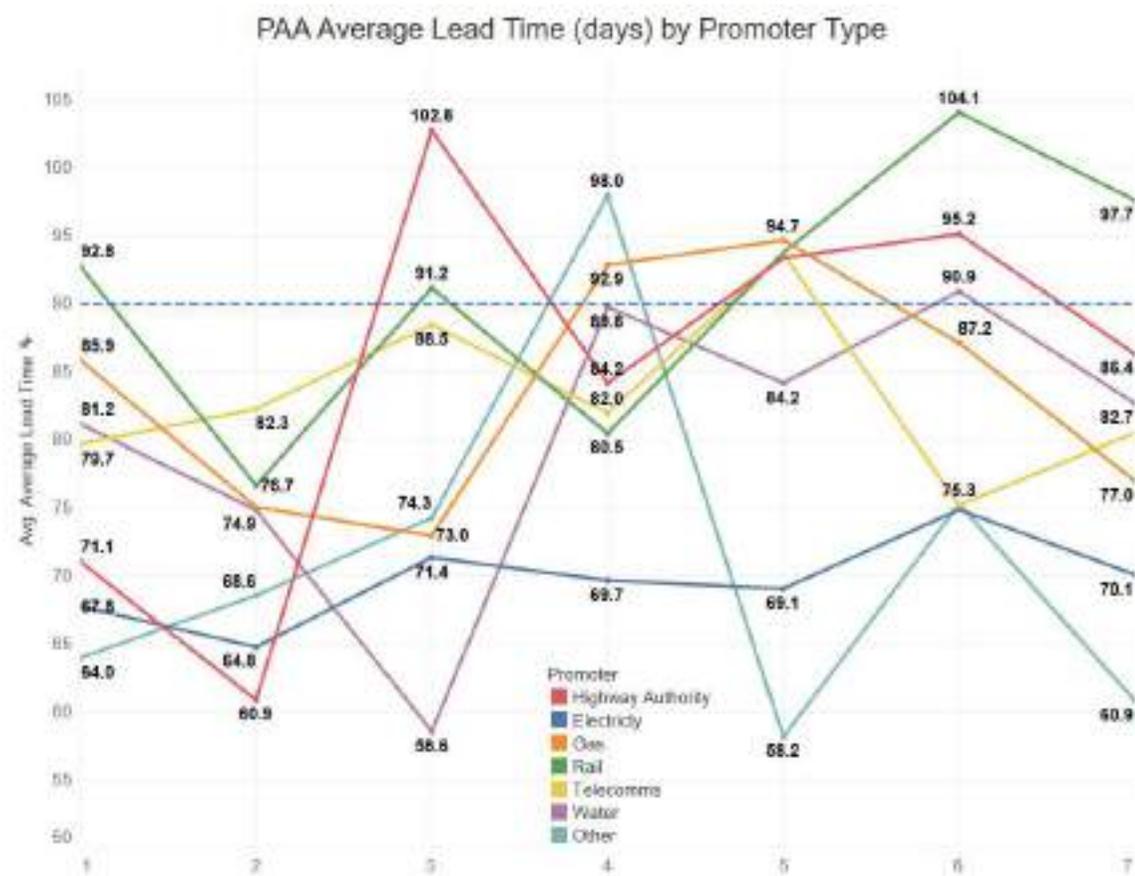
The average lead time for Permit Applications by works type and promoter type (year 7)



### Analysis

Whilst the overall year's averages are acceptable, PAA applications from certain promoter types continue to be below target although the number of applications is low and therefore the impact is low.

Yearly Summary



## PSPI-3 Reducing the Application Period (Early Starts)

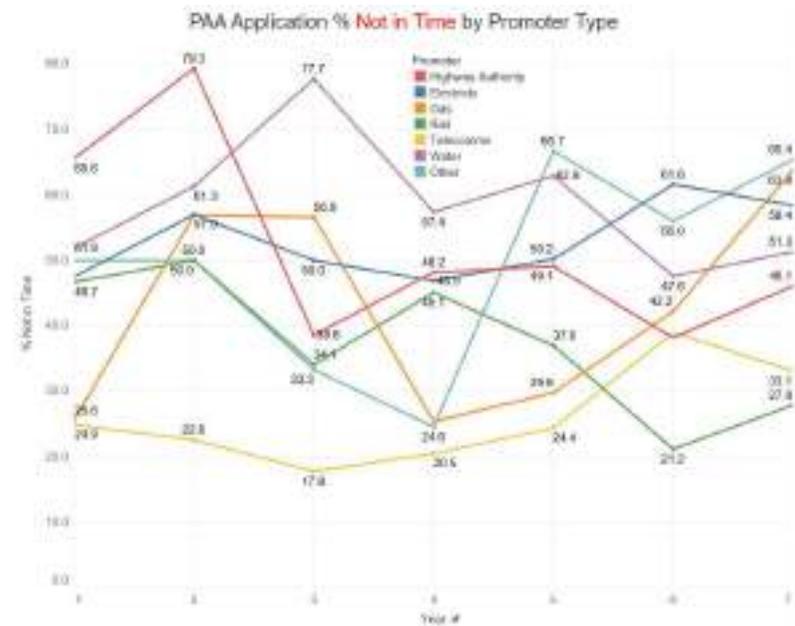
### Description

The volume and % of applications received either 'in-time' or 'not in time' by works type and promoter type.

Year 7

		Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
PAA	In Time	1,997	99	259	93	465	341	27	3,281
	Not In Time	63.9%	41.6%	98.2%	72.1%	86.0%	48.7%	34.6%	52.4%
Major	In Time	1,705	139	466	30	230	359	51	2,970
	Not In Time	45.1%	56.4%	60.8%	27.8%	33.1%	51.3%	65.4%	47.8%
Standard	In Time	2,576	110	330	81	276	369	42	3,810
	Not In Time	86.8%	84.3%	70.4%	93.1%	75.0%	82.0%	79.2%	83.7%
Minor	In Time	362	21	139	6	92	80	11	741
	Not In Time	13.2%	15.3%	29.6%	6.9%	25.0%	17.1%	20.8%	16.3%
Immediate	In Time	1,062	753	644	0	1,050	729	139	5,189
	Not In Time	81.2%	86.2%	91.7%	0%	91.0%	84.7%	82.1%	85.2%
Other	In Time	384	121	76	3	194	132	12	832
	Not In Time	18.8%	13.6%	8.3%	33.3%	9.0%	15.3%	7.9%	13.8%
Total	In Time	3,065	447	878	53	10,130	7,728	240	23,440
	Not In Time	96.0%	96.8%	97.8%	98.1%	96.9%	99.0%	99.4%	98.3%
Total	In Time	967	15	20	1	124	75	4	406
	Not In Time	4.0%	3.2%	2.2%	1.9%	1.2%	1.0%	1.6%	1.7%
Total	In Time	15,563	2,140	1,251	14	1,604	5,862	10	28,534
	Not In Time	92.6%	97.1%	97.0%	93.3%	86.1%	97.3%	100.0%	94.5%
Total	In Time	1,243	65	39	1	52	163		1,543
	Not In Time	7.4%	2.9%	3.0%	6.7%	1.9%	2.7%		5.5%

Yearly Summary



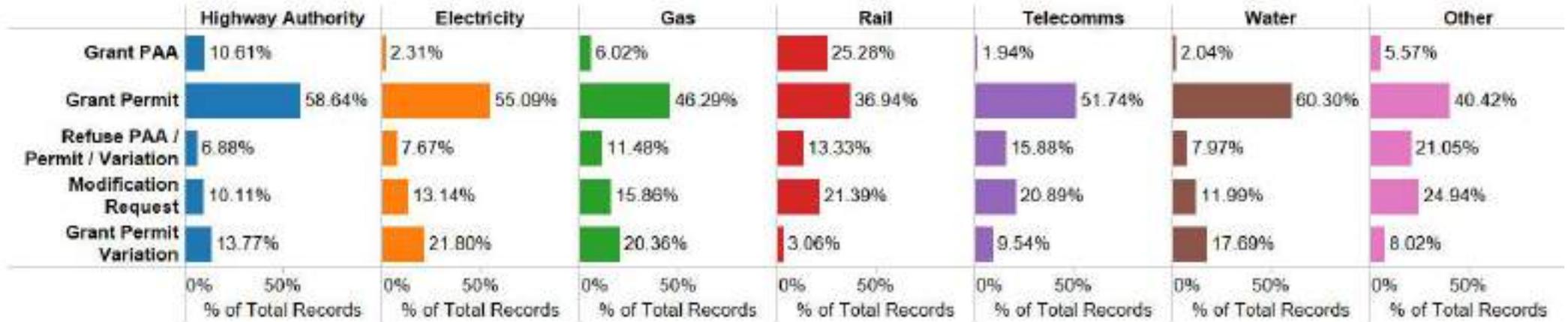
### Analysis

The percentage of PAA Applications received not in time for certain promoter groups is cause for concern, particularly when the volume of applications, and their locations, are considered and the subsequent impact to the network in terms of communication, journey planning and collaboration opportunities.

## PSPI-4 Application Responses - Summary

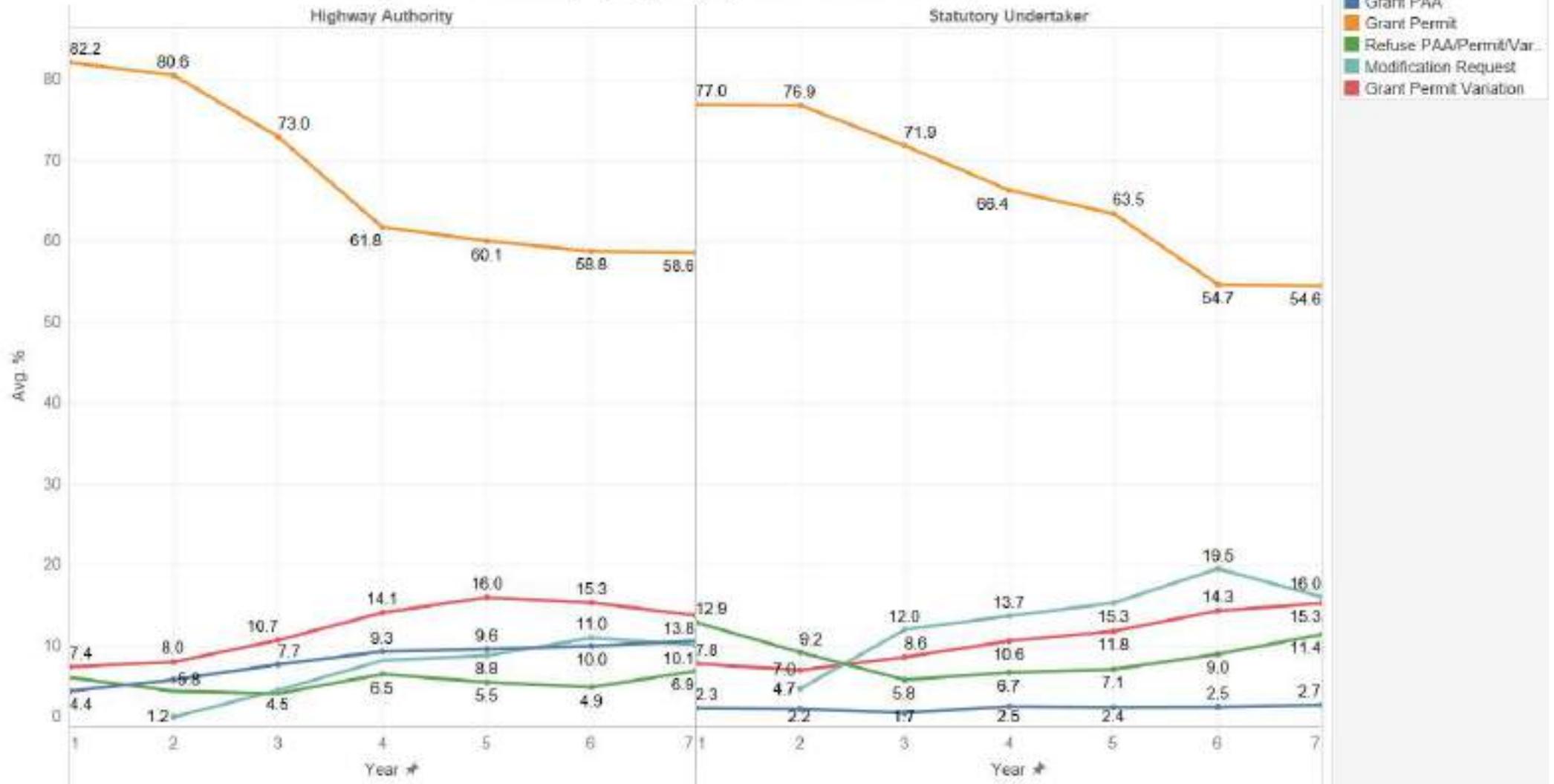
### Description

This measure focuses on the overall responses to all applications and is designed to show the effect of positive coordination by the Network Management team. The data is shown by percentage response type used and should not be considered by application type e.g. 10.61% of all responses of all application types from Highways were Grant PAA not 10.61% of Highways PAAs were granted.



Yearly Summary

Response Summary by Type (%) and Promoter Group



## PSPI-4 Application Responses - Detail

### Description

This shows the data above for year 7 broken down by works type and includes volumes.

		Highway ..	Electricity	Gas	Rail	Telecom..	Water	Other	Total
Major	Grant PAA	2,620	138	401	91	399	458	50	<b>4,158</b>
		33.62%	27.66%	23.51%	37.45%	30.48%	26.46%	25.38%	<b>30.85%</b>
	Grant Permit	2,713	129	352	71	302	419	51	<b>4,037</b>
		34.81%	25.85%	20.63%	29.22%	23.07%	24.21%	25.89%	<b>29.95%</b>
	Refuse PAA / Permit / Variation	729	91	330	36	293	310	48	<b>1,837</b>
	9.35%	18.24%	19.34%	14.81%	22.38%	17.91%	24.37%	<b>13.63%</b>	
	Modification Request	632	72	233	36	227	310	30	<b>1,540</b>
		8.11%	14.43%	13.66%	14.81%	17.34%	17.91%	15.23%	<b>11.43%</b>
	Grant Permit Variation	1,099	68	390	9	88	234	18	<b>1,906</b>
		14.10%	13.63%	22.86%	3.70%	6.72%	13.52%	9.14%	<b>14.14%</b>
Standard	Grant Permit	1,710	800	702	8	701	724	128	<b>4,773</b>
		44.53%	42.71%	41.58%	72.73%	31.78%	42.12%	42.11%	<b>41.00%</b>
	Refuse PAA / Permit / Variation	377	240	286	2	568	241	58	<b>1,779</b>
		9.82%	13.29%	16.93%	18.18%	25.75%	14.02%	18.42%	<b>15.28%</b>
	Modification Request	640	502	539	1	666	393	87	<b>2,828</b>
		16.67%	26.80%	31.91%	9.09%	30.19%	22.86%	28.62%	<b>24.29%</b>
	Grant Permit Variation	1,113	322	162		271	361	33	<b>2,262</b>
		28.96%	17.19%	9.59%		12.28%	21.00%	10.86%	<b>19.43%</b>
Minor	Grant Permit	3,555	412	793	43	8,231	6,912	180	<b>20,126</b>
		61.93%	51.24%	63.34%	45.74%	53.00%	56.23%	45.80%	<b>55.74%</b>
	Refuse PAA / Permit / Variation	585	107	142	10	2,397	1,205	85	<b>4,531</b>
		10.19%	13.31%	11.34%	10.64%	15.43%	9.80%	21.63%	<b>12.55%</b>
	Modification Request	1,219	204	275	40	3,391	1,983	107	<b>7,219</b>
		21.24%	25.37%	21.96%	42.55%	21.83%	16.13%	27.23%	<b>19.99%</b>
	Grant Permit Variation	381	81	42	1	1,512	2,192	21	<b>4,230</b>
		6.64%	10.07%	3.35%	1.06%	9.74%	17.83%	5.34%	<b>11.72%</b>
Immediate	Grant Permit	6,508	1,972	1,239	11	1,386	5,513	4	<b>16,633</b>
		86.77%	69.49%	61.37%	91.87%	93.71%	81.59%	100.00%	<b>81.37%</b>
	Refuse PAA / Permit / Variation	9	14	7		2	38		<b>70</b>
		0.12%	0.49%	0.35%		0.14%	0.56%		<b>0.34%</b>
	Modification Request	6	12	10		3	12		<b>43</b>
		0.08%	0.42%	0.50%		0.20%	0.18%		<b>0.21%</b>
	Grant Permit Variation	808	840	763	1	88	1,194		<b>3,694</b>
		11.02%	29.60%	37.79%	8.33%	5.95%	17.67%		<b>18.07%</b>

### Analysis

The decrease in the % of granted permits, coupled with the increase in modification requests, reflects the initiatives deployed by the coordination team during year 7 to ensure compliance and accuracy of granted permits in addition to using good coordination practices. This includes removing unnecessary conditions, removing ambiguous data, challenging traffic management types and ensuring compliance to the National Conditions.

## PSPI-5 Permit Response Codes

### Description

HCC introduced the Standard Permit Responses codes in December 2015 (year 4). Data is displayed by volume and type for year 7. NCU denotes no code used in response comment.

	Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
NCU	85	37	54	1	95	71	8	331
RC10	854	533	496	41	1,409	1,532	84	4,949
RC11	884	483	836	31	1,687	1,336	93	5,170
RC12	54	18	49	2	112	47	10	292
RC20	16	8	4	1	12	7	1	49
RC21		1			1	3		5
RC22	352	64	116		184	219	11	946
RC23	225	45	90	2	294	269	7	932
RC30	49	17	24	2	148	67	6	305
RC31	886	129	195	18	1,533	553	64	3,188
RC32	108	27	21	1	117	52	7	326
RC33	72	52	64	2	342	124	22	678
RC40	120	20	89		104	92	6	417
RC41	539	200	230	4	717	883	26	2,629
RC42	11	1	2		11	8		33
RC44	25	15	31	1	85	57	4	198
RC50	657	189	329	22	1,053	684	73	3,007
Total	4,728	1,865	2,410	128	7,906	6,004	422	23,484

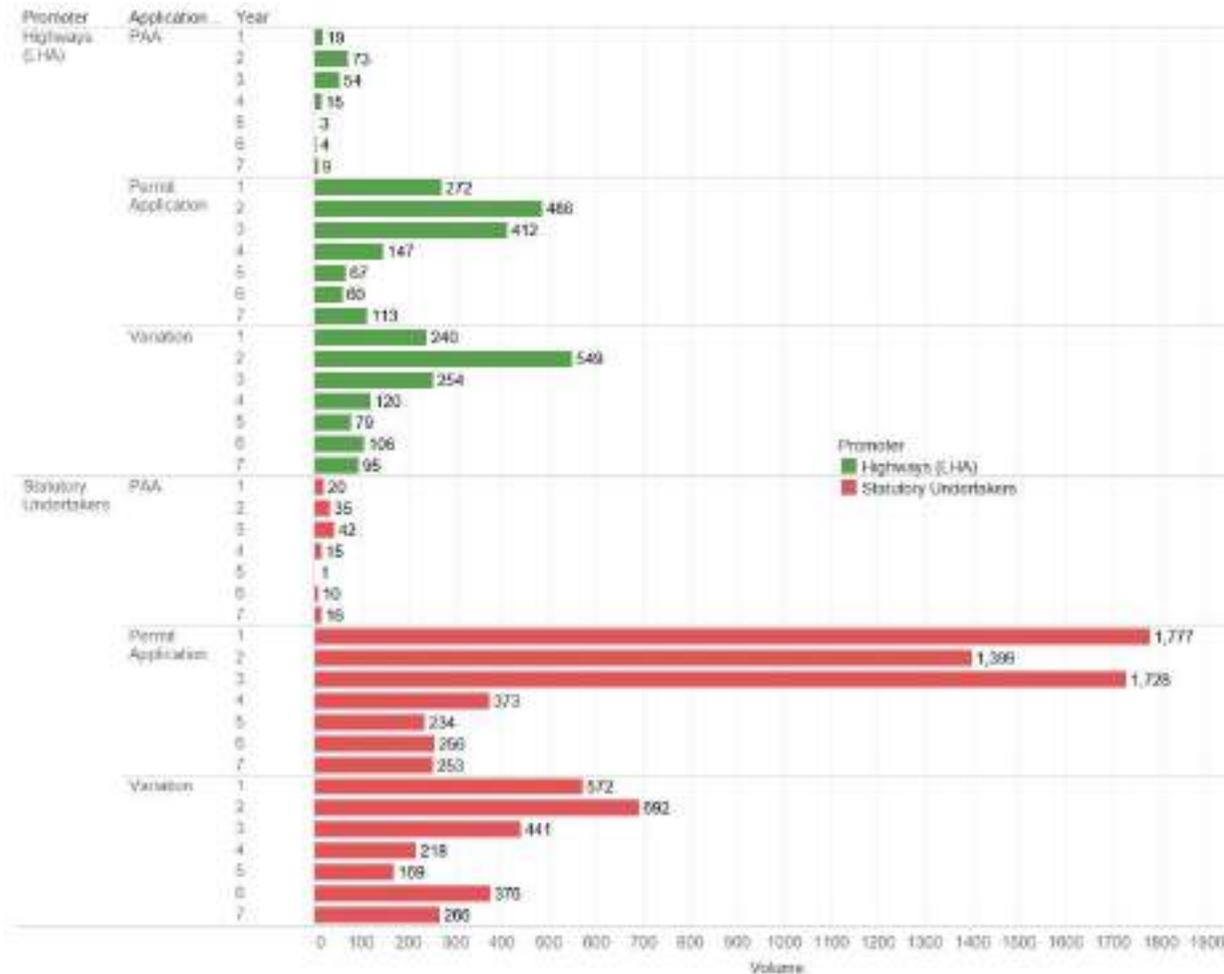
	Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
NCU	1.37%	1.99%	2.24%	0.78%	1.20%	1.18%	1.90%	1.41%
RC10	18.09%	28.73%	20.58%	32.03%	17.62%	25.52%	18.01%	21.16%
RC11	18.93%	26.58%	26.39%	24.23%	21.34%	22.25%	22.04%	22.04%
RC12	1.14%	0.97%	2.03%	1.56%	1.42%	0.78%	2.37%	1.24%
RC20	0.34%	0.43%	0.17%	0.78%	0.15%	0.12%	0.24%	0.21%
RC21		0.05%			0.01%	0.05%		0.02%
RC22	7.44%	3.45%	4.81%		2.33%	3.85%	2.81%	4.03%
RC23	4.76%	2.43%	3.73%	1.56%	3.72%	4.48%	1.66%	3.97%
RC30	1.04%	0.92%	1.00%	1.56%	1.77%	1.12%	1.42%	1.30%
RC31	17.23%	6.95%	8.09%	7.30%	19.92%	9.21%	16.17%	13.69%
RC32	2.11%	1.46%	0.87%	0.78%	1.48%	0.87%	1.66%	1.39%
RC33	1.52%	2.80%	2.66%	1.56%	4.33%	2.07%	5.21%	2.89%
RC40	2.54%	1.40%	2.86%		1.32%	1.53%	1.42%	1.78%
RC41	11.40%	10.78%	9.54%	3.13%	9.45%	12.71%	6.16%	11.21%
RC42	0.23%	0.05%	0.08%		0.14%	0.13%		0.14%
RC44	0.53%	0.81%	1.29%	0.78%	0.82%	0.95%	0.95%	0.84%
RC50	13.99%	10.19%	13.65%	17.18%	13.32%	11.39%	17.30%	12.82%

### Analysis

Works has continued through year 7 to reduce the volume of responses where no code has been used. The use of RC10 and RC11 remains unnecessarily high, adding to the administrative burden of operating the Permit Scheme.

Description

The volume of deemed items



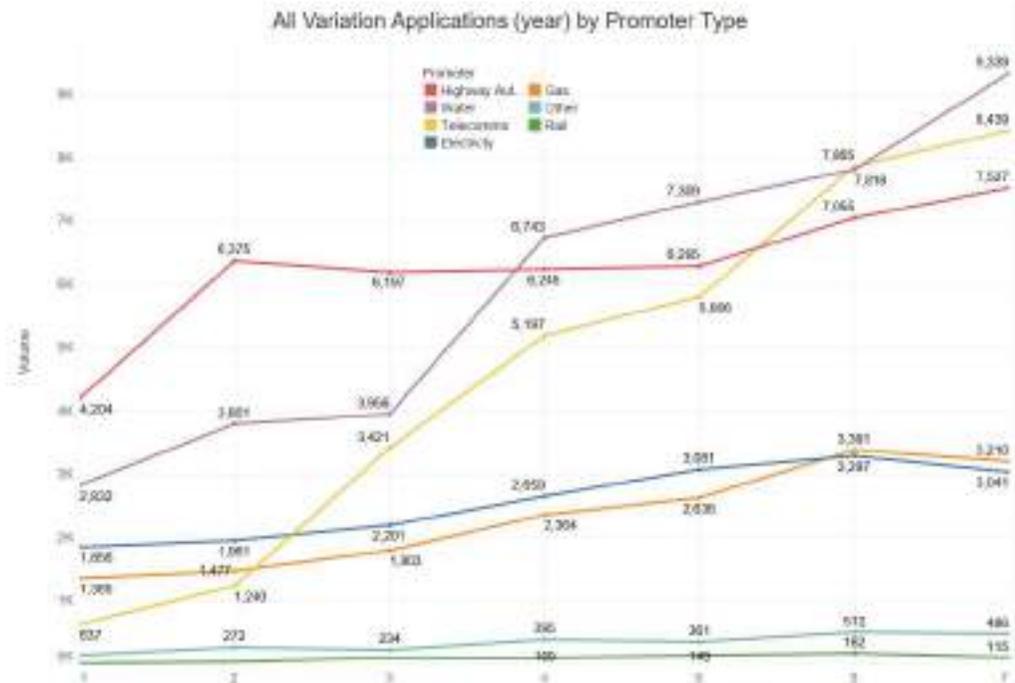
Analysis

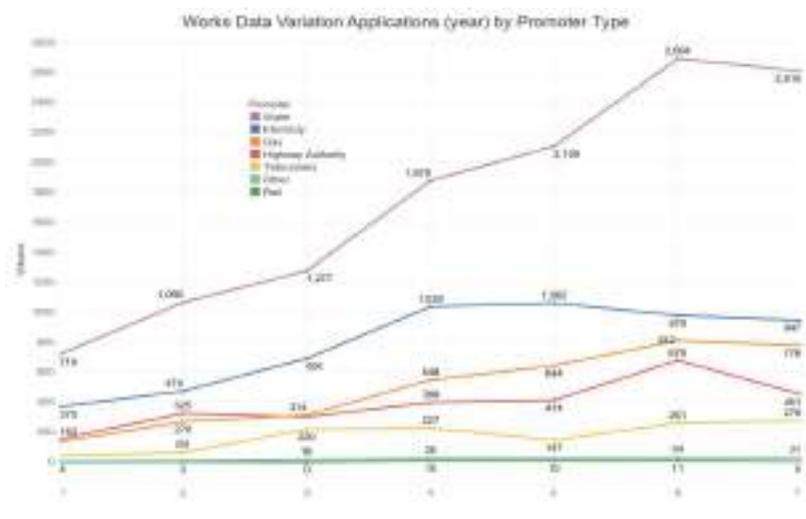
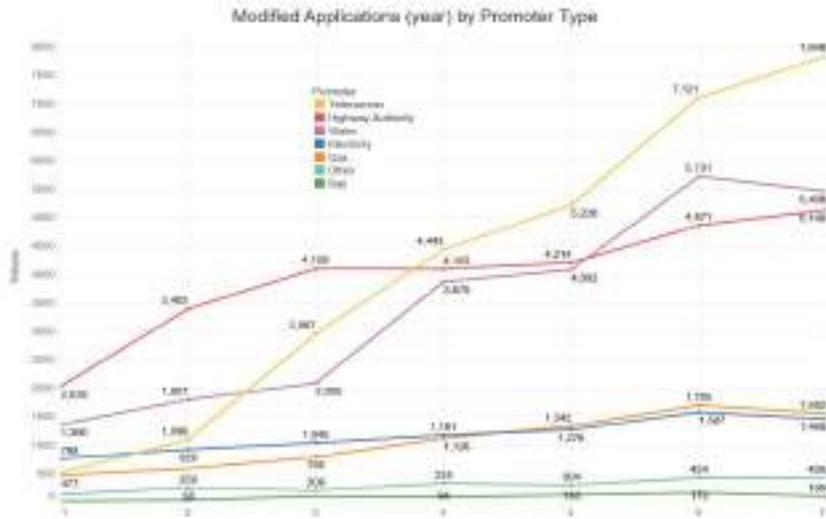
The volume of deemed items continues to be closely monitored. This ensures that our network is effectively managed.

Description

The number of variation applications, by type and works promoter (year 7)

		Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
Modified Application	Major	1,665	158	442	50	307	525	74	3,311
	Standard	1,571	946	719	2	1,198	780	160	5,376
	Minor	1,892	362	401	54	6,223	4,103	192	13,317
	Immediate	12							12
Works Data Variation (WIP)	Major	304	17	161	4	21	106	4	617
	Standard	85	95	95		64	157	15	511
	Minor	51	10	27		89	1,121	9	1,317
	Immediate	11	625	495	1	92	1,226	3	2,653
Duration Variation Application (WIP)	Major	302	37	253	2	24	120	8	746
	Standard	607	137	67		99	112	16	1,038
	Minor	175	39	23	1	152	349	5	744
	Immediate	852	415	527	1	40	690		2,515
<b>Total</b>		<b>7,527</b>	<b>3,041</b>	<b>3,210</b>	<b>115</b>	<b>8,439</b>	<b>9,339</b>	<b>486</b>	<b>32,157</b>





Refer to PSPI-11 for Duration Extension data

Analysis

The increase in volumes is partly due to the increase in Modification Requests issued by the Authority. Works Promoters are urged to review these requests to reduce the volumes of unnecessary transactions and focus on promoting a “right first time” policy.

The unnecessary volume of works data variations in response to AIVs on Immediate works is clearly shown in the table for PSPI-12 Authority Imposed Variations and Revoked Permits.

Description

The volume of granted permits and total conditions applied is shown along with the % of permits with one or more condition type applied in year 7. Additionally, a breakdown of the NCT codes applied is shown.

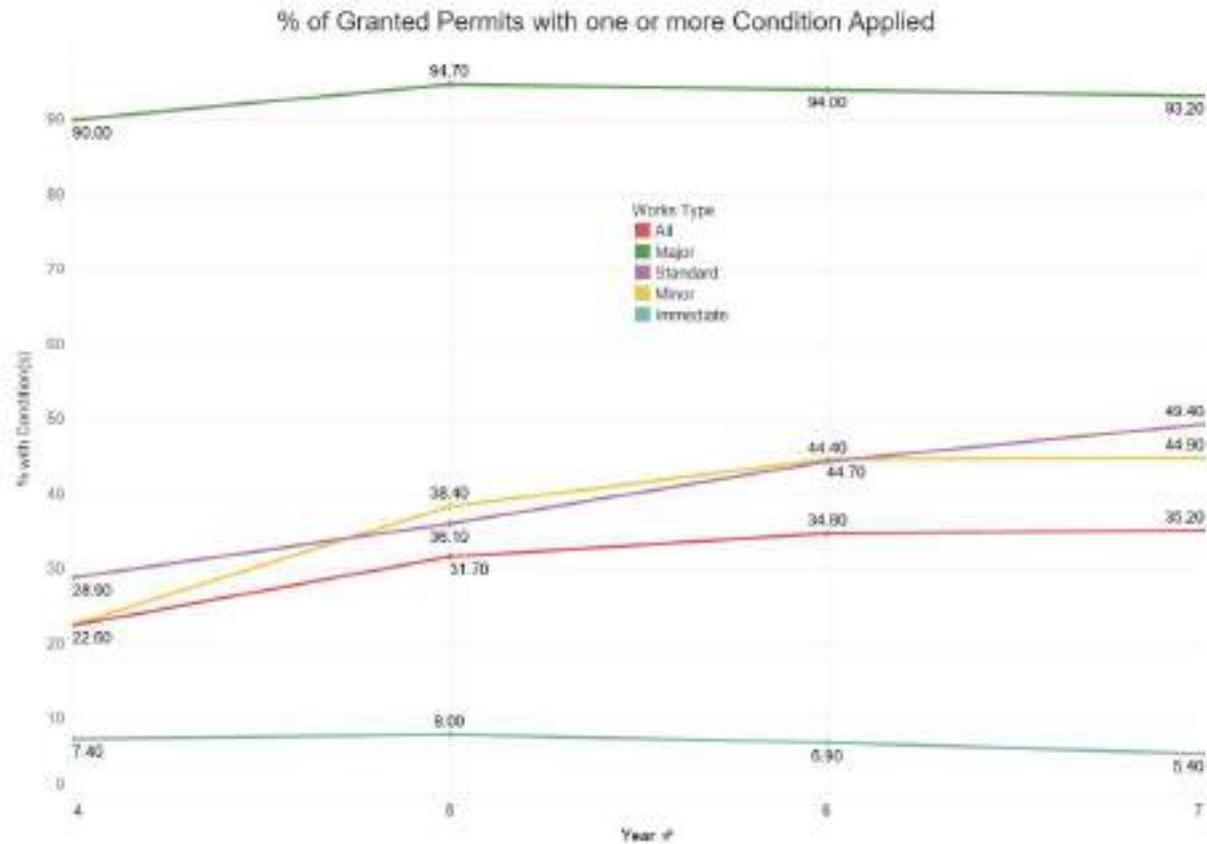
		Highway Authority	Electricity	Gas	Rail	Telecom	Water	Other	Total
Major	Granted Permits	2,713	129	352	71	302	419	51	4,037
	Total Codes Applied	4,212	280	504	231	1,172	1,316	132	7,857
	Permits with Condition(s) %	93.1%	90.7%	84.9%	100.0%	98.3%	98.2%	98.1%	93.2%
Standard	Granted Permits	1,710	800	702	8	701	724	128	4,773
	Total Codes Applied	650	683	445	20	1,918	1,603	318	5,637
	Permits with Condition(s) %	25.1%	42.6%	36.8%	100.0%	86.3%	84.4%	82.6%	49.4%
Minor	Granted Permits	3,555	412	793	43	8,231	6,012	180	20,126
	Total Codes Applied	2,039	254	480	163	11,217	3,201	386	17,720
	Permits with Condition(s) %	32.9%	34.5%	38.6%	100.0%	62.8%	29.6%	85.0%	44.9%
Immediate	Granted Permits	6,508	1,972	1,239	11	1,386	5,513	4	16,633
	Total Codes Applied	98	23	7	23	508	857	3	1,519
	Permits with Condition(s) %	1.0%	0.9%	0.4%	90.0%	15.7%	10.6%	75.0%	5.4%
Total	Granted Permits	14,486	3,313	3,086	133	16,626	13,568	363	45,569
	Total Codes Applied	6,999	1,260	1,436	437	14,815	6,977	819	32,733
	Permits with Condition(s) %	28.9%	18.7%	28.1%	99.2%	59.2%	26.9%	85.7%	35.2%

All Streets

	Major	Standard	Minor	Immediate	Total
Granted Permits	4,037	4,773	20,126	16,633	45,569
NCT01a	14	8	95	76	193
NCT01b	0	11	12	3	26
NCT02a	800	1,307	5,872	147	8,126
NCT02b	885	346	783	10	2,024
NCT03	3	2	25	0	30
NCT04a	56	209	484	17	746
NCT04b	119	171	170	85	545
NCT05a	206	501	714	43	1,464
NCT05b	147	338	2,238	154	2,878
NCT07a	454	7	4	98	563
NCT08a	238	568	1,841	204	2,971
NCT08b	173	458	998	97	1,727
NCT09a	149	94	128	11	380
NCT09b	9	13	87	0	89
NCT09c	348	834	2,815	654	4,451
NCT10a	37	115	262	31	445
NCT11a	64	95	437	78	674
NCT11b	3,366	306	207	7	3,886
NCT12a	787	252	485	4	1,508
NCT13	2	1	4	0	7
Total Codes Applied	7,857	5,637	17,720	1,519	32,733

Traffic Sensitive Streets Only

	Major	Standard	Minor	Immediate	Total
Granted Permits	2,012	2,404	9,834	7,201	21,541
NCT01a	8	6	60	51	125
NCT01b	0	6	8	2	16
NCT02a	474	798	4,751	108	6,131
NCT02b	274	231	640	7	1,152
NCT03	3	2	19	0	24
NCT04a	23	139	310	7	479
NCT04b	80	102	118	42	322
NCT05a	105	164	390	35	695
NCT05b	80	215	1,347	98	1,743
NCT07a	222	7	4	44	277
NCT08a	196	438	1,820	180	2,434
NCT08b	131	409	907	90	1,537
NCT09a	99	64	70	6	239
NCT09b	4	19	48	0	62
NCT09c	271	683	2,420	416	3,790
NCT10a	25	75	209	18	327
NCT11a	39	64	158	50	309
NCT11b	1,571	174	157	5	1,907
NCT12a	320	137	321	1	779
NCT13	2	1	2	0	5
Total Codes Applied	3,907	3,728	13,557	1,161	22,353



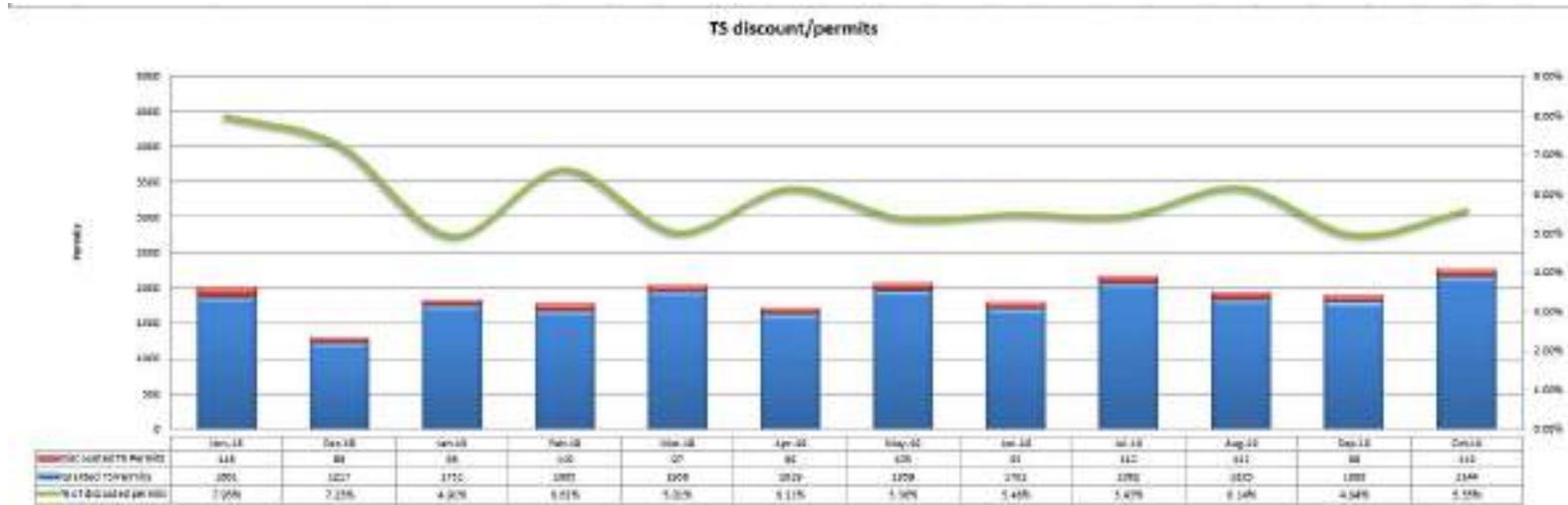
### Analysis

Whilst the data gives an indicative picture of volumes and percentages of conditions, there is no measure of how the application of conditions has delivered benefits. HCC continue to work to develop a meaningful performance measurement framework that will show the benefits of the application of conditions.

## PSPI-9 Working Outside TS Times on TS Streets

### Description

The volume of granted permits on TS streets, and the volume and percentage qualifying for a discount on the permit fee is shown for year 7.



### Analysis

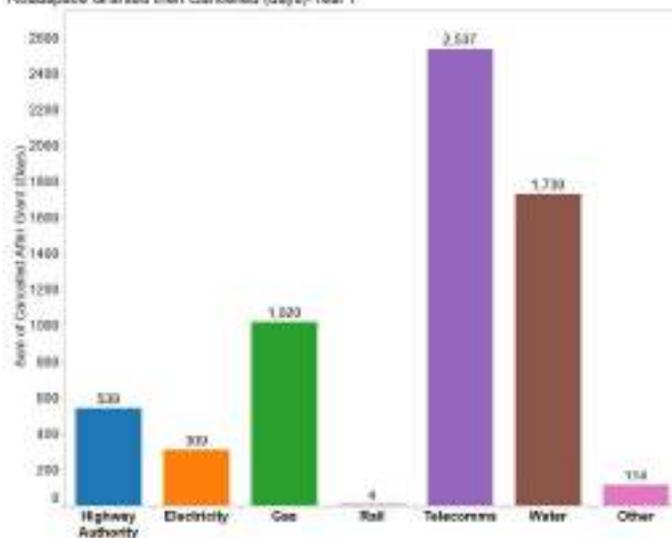
As shown in the data, the volume of works taking place wholly outside TS Times on TS streets remains low, despite the incentive of the permit fee reduction.

Description

The % of cancellation notifications received in time, or not in time, is shown by works type and promotor type for year 7. 'In time' is before works are due to start on site, 'not in time' is on or after the agreed works start date.

		Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
Major	In Time	68.81%	95.24%	83.88%	100.00%	87.05%	78.57%	52.73%	77.99%
	Not in Time	31.19%	4.76%	16.12%		12.95%	21.43%	47.27%	22.01%
Standard	In Time	58.82%	50.00%	60.15%	100.00%	69.71%	64.18%	77.92%	63.35%
	Not in Time	41.18%	50.00%	39.85%		30.29%	35.82%	22.08%	36.65%
Minor	In Time	36.32%	45.24%	21.39%	75.00%	46.85%	30.89%	55.84%	40.48%
	Not in Time	63.68%	54.76%	78.61%	25.00%	53.15%	69.11%	44.16%	59.52%

Roadspace Granted then Cancelled (days)-Year 7

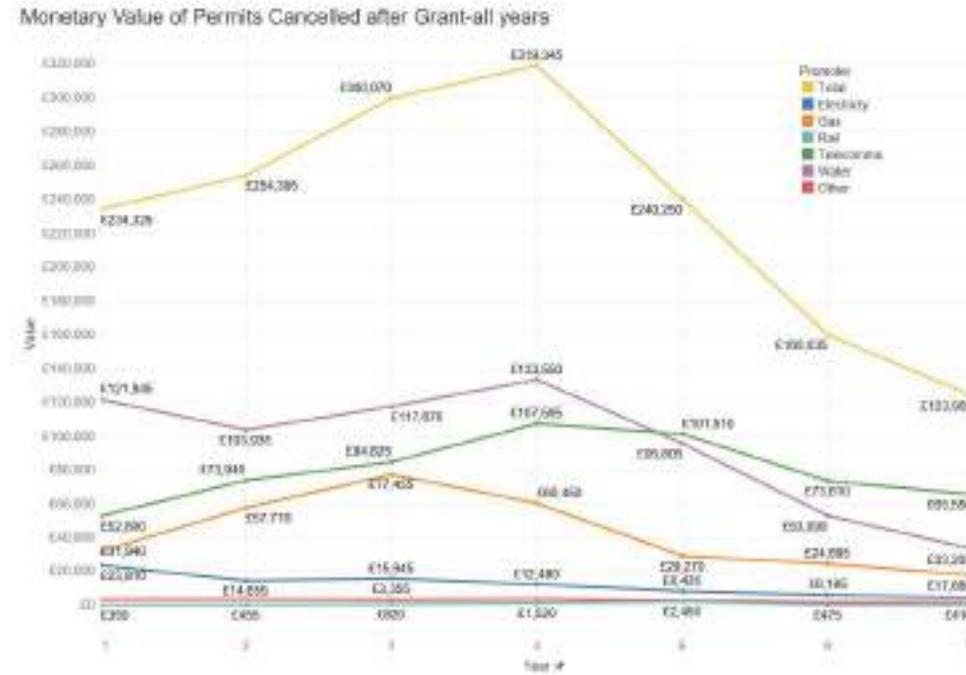


Monetary Value of Granted Permit Fees for Roadspace Granted then Cancelled-Year 7

	Electricity	Gas	Rail	Telecomms	Water	Other	Total
Major	£570	£3,300	£345	£3,095	£2,865		£10,175
Standard	£2,830	£5,520		£6,230	£2,555	£1,340	£18,475
Minor	£1,125	£9,025	£65	£56,225	£25,035	£850	£92,335
Immediate	£140	£40			£2,740		£2,920
<b>Total</b>	<b>£4,665</b>	<b>£17,885</b>	<b>£410</b>	<b>£65,550</b>	<b>£33,205</b>	<b>£2,190</b>	<b>£123,905</b>

Percentage of Granted Roadspace Cancelled-Year 7





Monetary Value of Permits Cancelled after Grant-all years

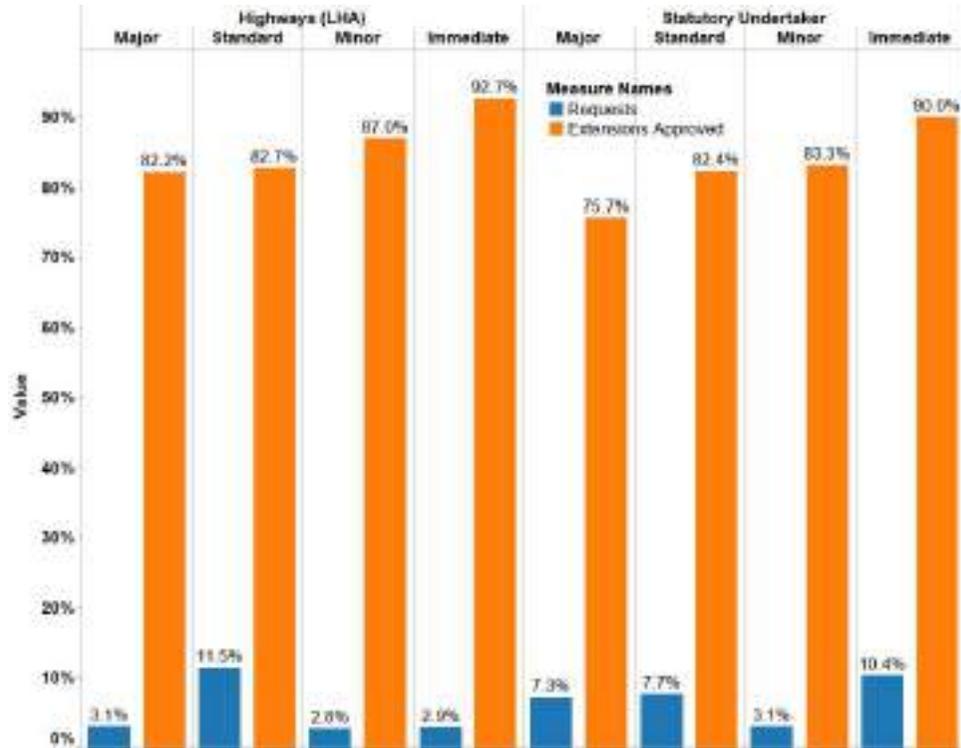
	Electricity	Gas	Rail	Telecommunications	Water	Other	Total
1	£23,810	£31,540	£350	£52,800	£121,845	£3,580	£234,329
2	£14,855	£57,770	£455	£73,940	£103,826	£3,640	£254,395
3	£15,945	£77,455	£820	£94,825	£117,670	£3,365	£300,070
4	£12,400	£91,450	£1,520	£107,595	£133,560	£3,750	£2,193,345
5	£8,420	£29,270	£2,450	£101,510	£95,895	£2,795	£240,250
6	£8,195	£24,895	£475	£73,610	£53,880	£1,970	£160,035
7	£4,895	£17,885	£410	£56,150	£33,205	£2,190	£123,905
Total	£86,170	£296,465	£6,480	£559,630	£639,100	£21,280	£1,632,329

### Analysis

Whilst the notification of cancelled road space is not part of the permit scheme, this data indicates a lack of planning and affects the authority's abilities to coordinate works. It is included to demonstrate the late notification of cancellations and the monetary value of granted permit fees that are then subject to cancellation. HCC has repeatedly shared this data with the Statutory Undertakers throughout year 7.

## PSPI-11 Works Extensions and Duration Variation Applications

The graph displays the % of works, by works type and promoter group, that had an extension request and the percentage of those requests that were approved for year 7.



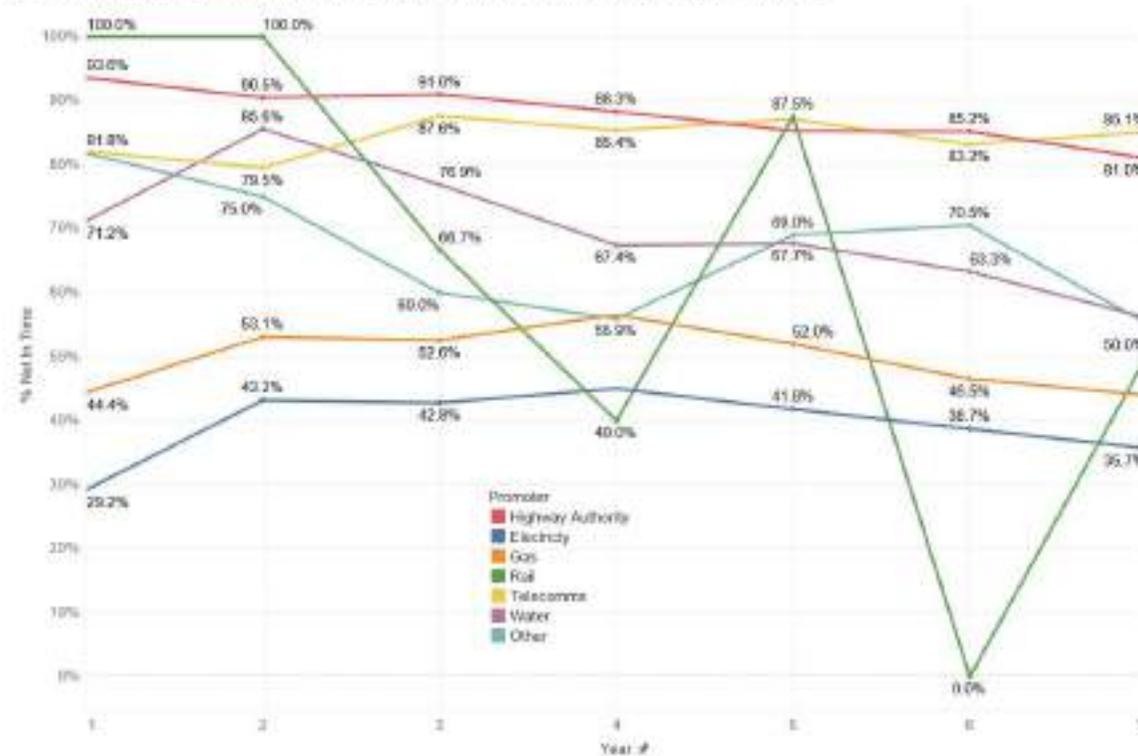
The table shows the percentage of Duration Variation Applications received 'in time' or 'not in time' by works type and promoter type for year 7.

		Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
Major	In Time	27.2%	32.4%	48.2%	100.0%	25.0%	51.7%	25.0%	38.6%
	Not in Time	72.8%	67.6%	51.8%		75.0%	48.3%	75.0%	61.4%
Standard	In Time	30.9%	54.7%	50.7%		24.2%	50.3%	62.5%	42.0%
	Not in Time	61.1%	45.3%	49.3%		75.8%	43.8%	37.5%	57.4%
Minor	In Time	20.6%	25.6%	30.4%		6.6%	26.6%	20.0%	21.1%
	Not in Time	79.4%	74.4%	69.6%	100.0%	93.4%	73.4%	80.0%	78.9%
Immediate	In Time	1.5%	74.0%	61.5%		17.5%	40.4%		38.2%
	Not in Time	98.5%	26.0%	38.5%	100.0%	82.5%	59.6%		60.8%

% of Granted Works with a Duration Request & % Approved-all years

		Y1		Y2		Y3		Y4		Y5		Y6		Y7	
		Requests of Granted Works (%)	Extensions Approved (%)	Requests of Granted Works (%)	Extensions Approved (%)	Requests of Granted Works (%)	Extensions Approved (%)	Requests of Granted Works (%)	Extensions Approved (%)	Requests of Granted Works (%)	Extensions Approved (%)	Requests of Granted Works (%)	Extensions Approved (%)	Requests of Granted Works (%)	Extensions Approved (%)
Highways (LHA)	Major	32.8%	88.0%	26.6%	77.1%	22.5%	88.1%	16.6%	88.8%	4.1%	83.8%	4.3%	92.1%	3.1%	82.2%
	Standard	11.2%	72.0%	14.6%	64.7%	13.1%	98.8%	13.7%	81.5%	6.0%	87.8%	8.0%	90.5%	11.5%	82.7%
	Minor	1.9%	73.7%	5.4%	81.0%	8.3%	90.0%	4.9%	85.3%	3.6%	84.1%	2.6%	92.3%	2.8%	87.0%
	Immediate	7.7%	90.1%	6.8%	77.3%	6.0%	93.8%	18.5%	82.4%	3.0%	92.8%	2.3%	100.0%	29.0%	82.7%
Statutory Undertakers	Major	35.2%	84.8%	48.5%	77.0%	60.6%	91.2%	41.0%	94.0%	6.5%	72.1%	9.9%	91.8%	7.3%	75.7%
	Standard	13.9%	75.8%	12.8%	85.9%	19.5%	82.7%	18.6%	91.2%	7.3%	82.4%	8.6%	82.2%	7.7%	82.4%
	Minor	2.0%	76.5%	2.3%	89.2%	2.1%	95.3%	2.4%	94.3%	2.4%	85.2%	3.7%	88.8%	3.1%	83.3%
	Immediate	15.9%	91.4%	12.8%	89.2%	13.0%	85.9%	11.0%	88.0%	9.8%	86.9%	11.3%	90.0%	10.4%	90.0%

Percentage of Duration Variation Application received Not In Time-all years



Analysis

The overall percentage of works with an extension remains at an acceptable level. Whilst recognising there will be a small percentage of works that will have unforeseen circumstances that prevent an extension request being submitted within the minimum time, the percentages of duration variation requests received ‘not in time’ remains at an unacceptably high level. The Authority has repeatedly raised this issue with Works Promoters but there has been no significant reduction in the percentage of late submission of duration requests.

## PSPI-12 Authority Imposed Variations and Revoked Permits

### Description

The volume of Authority Imposed Variations and Revoked permits is displayed by works type and promoter type for year 7.

		Highway Authority	Electricity	Gas	Rail	Telecomms	Water	Other	Total
<b>Major</b>	Authority Imposed Variation	00	6	37	1	18	23	5	150
	Revoke Permit	22	2	19		6	6	12	67
<b>Standard</b>	Authority Imposed Variation	26	20	14		19	13	2	94
	Revoke Permit	15	7	15		20	5	3	65
<b>Minor</b>	Authority Imposed Variation	38	6	5	1	55	54		157
	Revoke Permit	18	2	2		80	32	1	115
<b>Immediate</b>	Authority Imposed Variation	410	572	532	1	288	1,422	2	3,207
	Revoke Permit		3	1		1	3		8
<b>Total</b>		<b>587</b>	<b>618</b>	<b>625</b>	<b>3</b>	<b>447</b>	<b>1,558</b>	<b>25</b>	<b>3,863</b>

Description

The average duration of works, throughout their lifecycle, is shown by works type and promoter type for year 7. Duration is derived from the estimated or actual start and stop dates within the EToN transaction types. Days are calendar days.

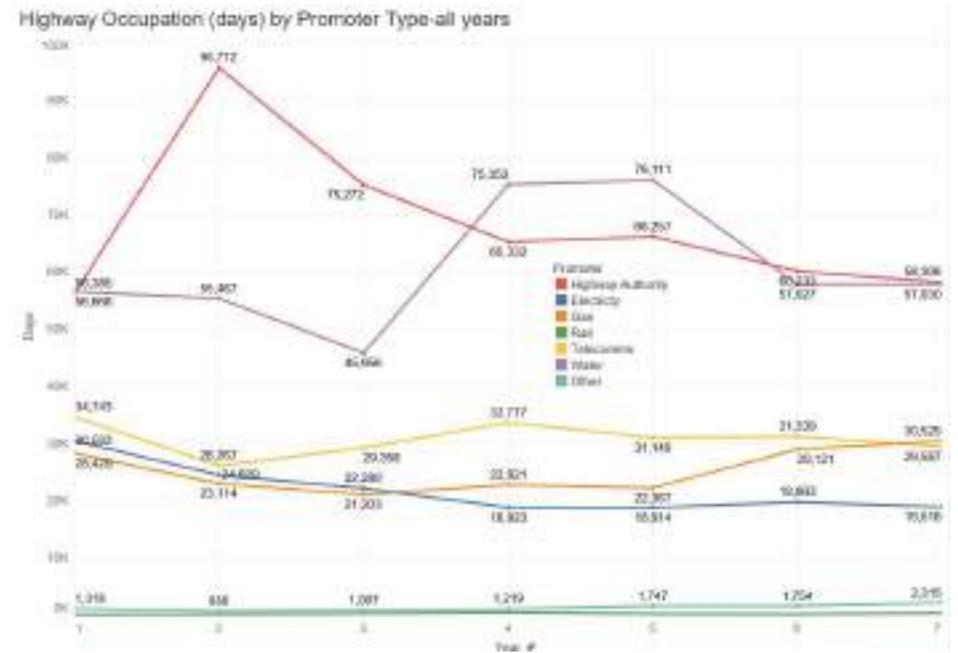
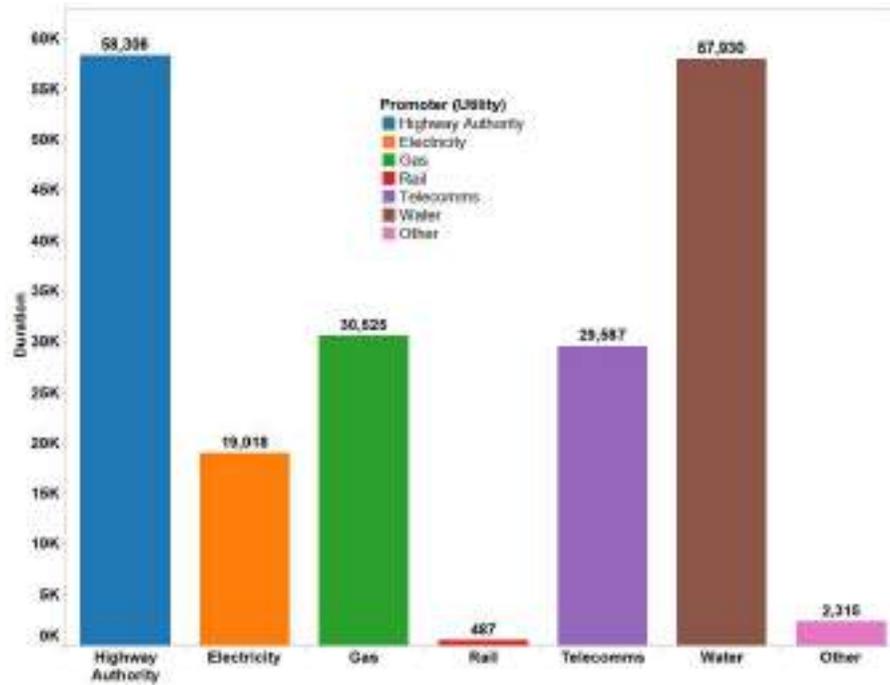
		Highway	Electricity	Gas	Rail	Telecomms	Water	Other	Average
<b>Major</b>	PAA	10.5	12.9	32.2	6.4	7.3	19.9	13.4	13.7
	Grant PAA	10.2	14.3	32.0	3.6	7.7	18.6	13.6	13.0
	Grant Permit	6.8	14.0	31.6	4.8	8.2	17.0	14.1	10.4
	Actual Start Date	6.7	13.4	33.0	4.5	8.7	16.8	15.4	10.3
	Works Stop	6.0	14.0	38.0	4.8	8.2	17.8	17.0	10.4
<b>Standard</b>	Standard	7.8	7.1	7.7	6.0	8.4	10.3	8.2	8.2
	Grant Permit	7.6	7.1	7.4	5.8	8.0	10.5	7.8	8.0
	Actual Start Date	7.5	7.2	7.5	5.9	8.2	10.5	8.4	8.0
	Works Stop	7.6	7.0	7.5	5.6	7.9	9.3	8.4	7.8
<b>Minor</b>	Minor	2.5	2.9	3.5	1.6	3.1	3.5	2.9	3.1
	Grant Permit	2.3	3.0	3.5	1.6	3.0	3.5	2.8	3.1
	Actual Start Date	2.5	3.0	3.5	1.6	3.1	3.5	2.7	3.1
	Works Stop	2.3	2.7	3.0	1.6	2.5	2.9	2.4	2.6
<b>Immediate</b>	Immediate	2.9	6.7	8.4	1.3	3.4	4.5	0.9	3.8
	Grant Permit	2.2	6.7	8.4	1.6	3.4	4.7	1.0	4.1
	Works Stop	1.4	4.9	9.1	1.8	2.8	4.4	1.8	2.7

Analysis

The variation in duration for Highways major works is explained by local process for phased works. Average durations are broadly in line with AHAUC durations for works.

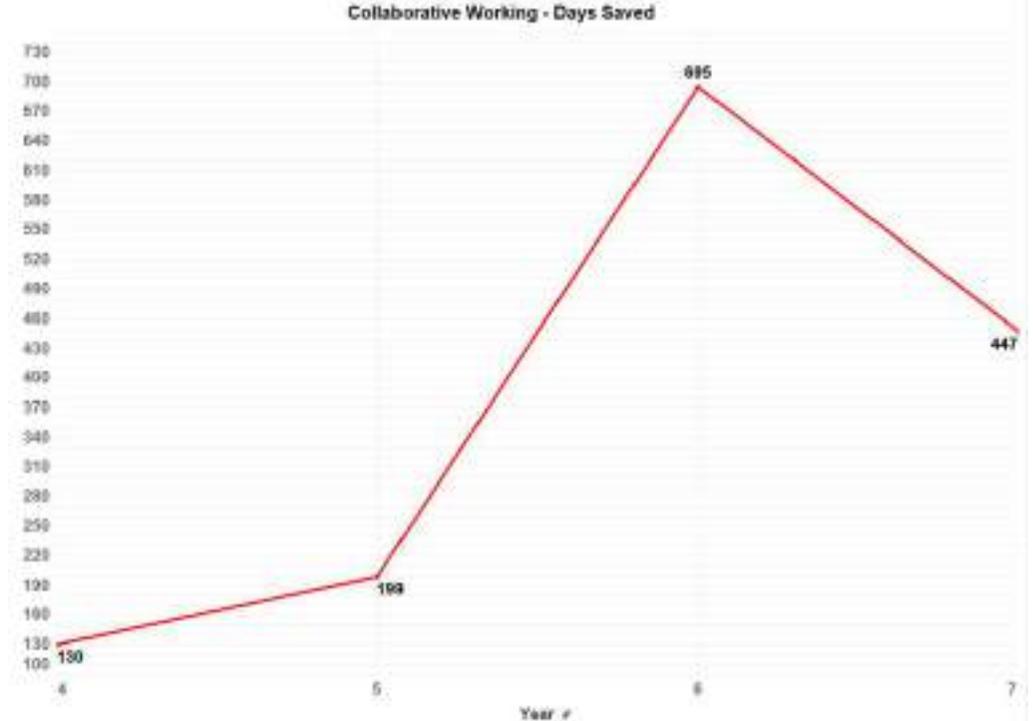
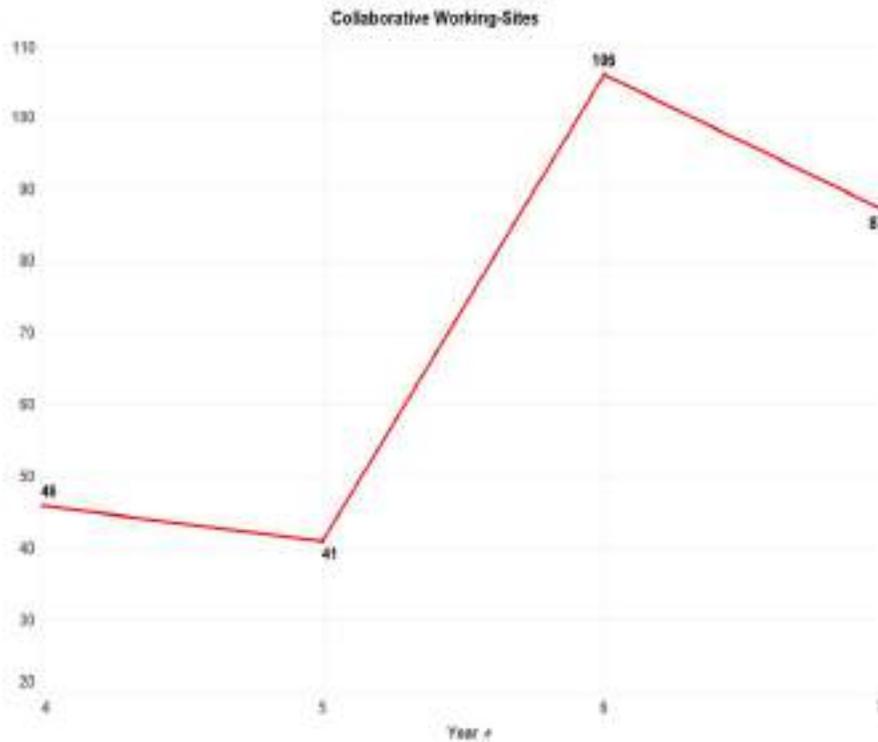
Description

The highway occupation (days) by promoter type for year 7 (based on completed works). Days are calendar days i.e. all occupation of the network.



Description

The number of sites and days saved from collaborative or contiguous working.



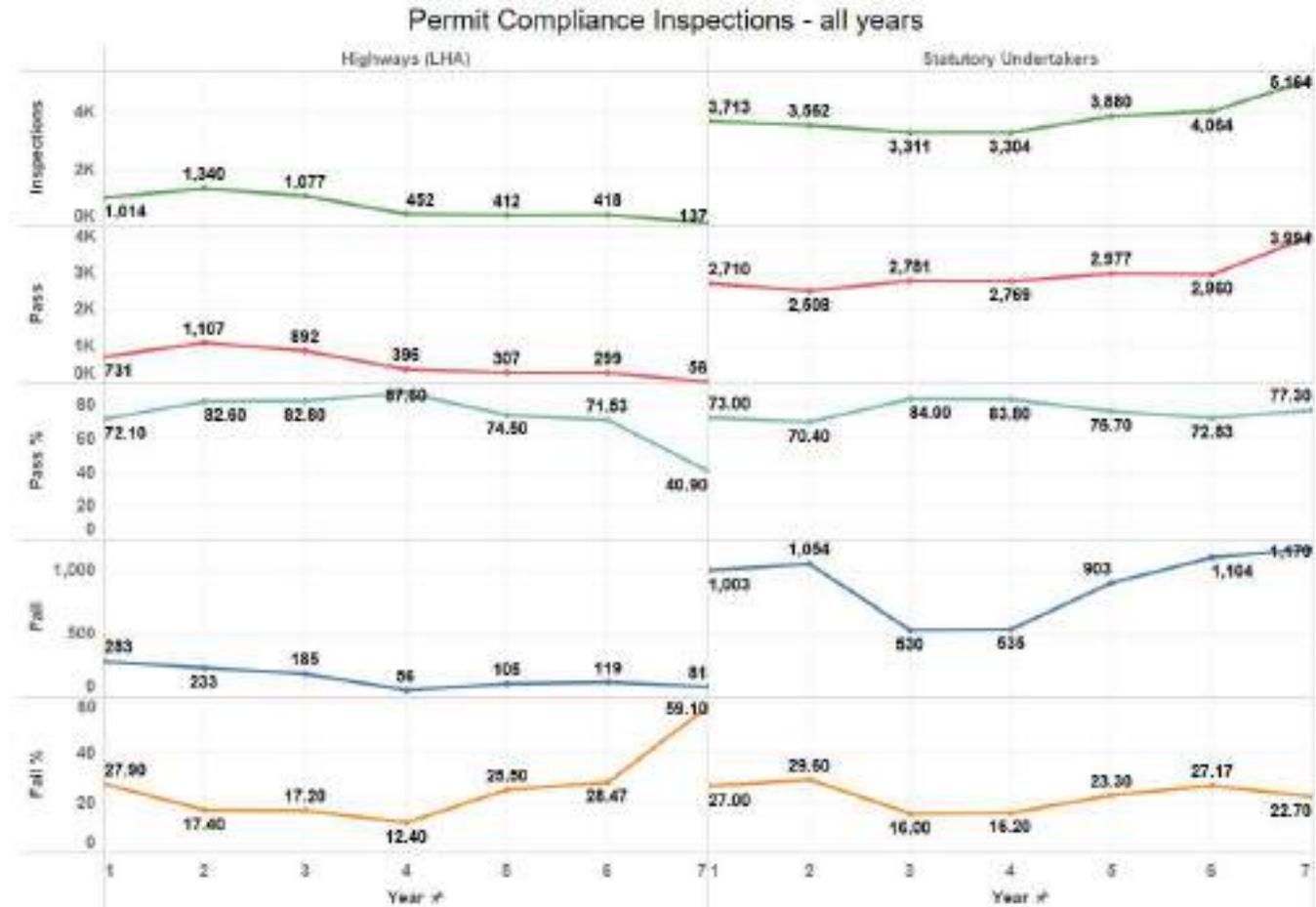
Analysis

The significant increase in collaborative working is wholly due to efforts of the Network Management Operations Team and the introduction of an improved recording process, although this process remains wholly outside of EToN due to the inability of systems to correctly record and report on collaborative working.

## PSPI-16 Permit Compliance Inspections

### Description

The number of inspections, numbers passed and fail and % pass and fail of Permit Compliance Inspections is shown by Promoter group and year.



### Analysis

Volumes of inspection and % pass and fail rates remain broadly consistent. Plans continue to be formulated to increase the number of NRSWA specific inspections for HCC Framework sites, subject to contractual constraints.

## PSPI-17 Fixed Penalty Notices (Permit Scheme)

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### Description

The reasons for Fixed Penalty Notices (PS01 - Working Without a Permit and PS02 - Working in Breach of Conditions) for all Works Promoters

	Year				Total
	4	5	6	7	
Working Without a Permit	111	109	128	94	442
Footway	9	11	5	8	33
Incorrect or No Permit Number Displayed	260	343	392	377	1,372
Methodology	1	3	14	27	45
Number of Records	1	1	1	1	4
Publicity		2	3	1	6
Storage		3		1	4
Traffic Management	153	310	490	426	1,379
Working Past End Date	89	118	111	146	464
Working in TS Times	28	25	15	17	85
Total	651	824	1,158	1,097	3,830

### Analysis

Instances of 'incorrect or no permit number displayed' and 'traffic management' issues continue to be significant percentage of FPNs issued.