



**GREATER
MANCHESTER**
DOING THINGS DIFFERENTLY

GREATER MANCHESTER ROAD ACTIVITY PERMIT SCHEME

Six Year Permit Scheme Evaluation

Year 6 (April 2016 – March 2019)

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1. Executive Summary

The Greater Manchester Road Activity Permit Scheme (GMRAPS) commenced on the 29th April 2013. Permit schemes provide a way to reduce the disruption caused by roadworks through introducing increased levels of control, provides a lever to influence how works are carried out and demonstrates whether there is parity amongst all works promoters either local authority or statutory undertakers. The scheme is administered by Transport for Greater Manchester (TfGM) and operated by all the ten Greater Manchester local authorities.

This report follows the directives under the Traffic Management Permit Scheme (England) (Amendment) Regulations 2015 which states that every third anniversary of the permit scheme commencement an evaluation must be produced. The first three-year evaluation was published in 2016 and this is the second for year 4 to year 6. All permit scheme evaluations must include consideration of:

1. Whether the fee structure needs to be changed in light of any surplus or deficit;
2. The costs and benefits (whether or not financial) of operating the scheme;
3. Whether the scheme is meeting key performance indicators.

The overall performance of the scheme demonstrates it is effective, however it highlights anomalies between local authorities and sets an objective to bring together a consistent approach with the assistance of the administering authority, Transport for Greater Manchester.

The outcome of the evaluation shall be made available to persons of every local authority that has streets in the scheme, statutory undertakers, transport executives, emergency services and the Secretary for State (through the Department for Transport).

Summary findings over the three years are:

There were **521,131** permit and variation applications made in the three-year period with **364,352** coming from statutory undertakers (70%) and **156,779** for authorities works (30%)

Permits granted were **427,058** and permits refused were **28,046**. There were also **37,445** applications asked to be modified before works were granted.

Permits deemed, where the authority has failed to provide a response within time-scales were **763** giving a percentage of 1% against applications submitted.

13,599 fixed penalty notices for permit offences were served to all promoters of works during the three year period.

2. Introduction and Background

GMRAPS was the first Joint Permit Scheme (now a multi-authority scheme) to be implemented in England and commenced on the 29 April 2013. The scheme is administered by TfGM and operated by the ten Greater Manchester authorities which are Bolton, Bury, Manchester, Oldham, Rochdale, Salford, Stockport, Tameside, Trafford and Wigan.

This is the 6th Year evaluation and uses data between 1st April 2016 and 31st March 2019. References are also made to the 3rd Year review. The format of this report reflects the Highways Authorities and Utilities Committee (HAUC) (England) Advice Note "Report Template for the Evaluation of Permit Schemes". The overall aim of the report is to review, analyse and reflect on the workings of GMRAPS and to set objectives for the future.

The report evaluates all ten GM local authorities running of the scheme and was produced by TfGM in consultation with the authorities.

During the last three year period there has been much more scrutiny of roadworks following commencement of the Greater Manchester Mayor's Congestion Deal which highlighted roadworks as a major cause of congestion across the region. Senior Highway managers from all GM authorities meet regularly at the GM Highways Group where GMRAPS is a regular agenda item and performance reports are produced for discussion. Furthermore, there is a GMRAPS Operational Group which meets quarterly. They are organised by TfGM and includes representatives from all ten GM authorities and representatives from all the utility sectors including gas, water, electric and communications. These meetings have a focus on performance, share good practice and identify ways to improve the scheme.

It should be noted not all highway works are covered by GMRAPS, there are works carried out by private organisations which are licenced by the authority and in the industry often referred to a "road openings, Section 50 or Section 278". These works are co-ordinated with all other highway works however they are not covered by this report as they are outside of the regulations governing permit schemes. Furthermore, a pragmatic approach has been agreed by the GMRAPS Operational Group to have a 20 minute works window where permit applications are not required. These are for works that would be classed as 'registerable' works due to traffic control however would not take over 20 minutes. Examples are pothole repairs, accessing covers and chambers, repairs to signs and lights, etc. These works are expected to be undertaken outside of peak periods and causing minimal delays.

It is believed permit schemes are an effective way to manage, co-ordinate and control highway activities and, other than Lane Rental, there is no better mechanism available to local authorities.

3. Objectives of GMRAPS

The GMRAPS scheme document outlines the following objectives summarised below:

Objective 1

To ensure safety for those using, working on or living adjacent to the street;

The tables in Appendix C show annual collision rates attributed to roadworks. The annual collisions are recorded by GM Police and lists numbers relating to where 'roadworks' and 'temporary road layout' were recorded. The figures show there has been an increase where roadworks have been recorded and a decrease where temporary road layout has been recorded. There are many factors that could be attributed to collisions therefore we cannot conclude the permit scheme has links to the changes since the year 3 evaluation. However, going forward the figures can be used to see if there are significant difference which will then prompt authorities to check what could be the reason behind the collisions.

Additionally, the table below shows the total of all GM authorities category A inspections (individual authorities figures are shown in Appendix C). Regulations make it mandatory to carry out inspections on statutory undertakers works only and generally relate to their safety on site particular to their traffic management being used. Under 10% failure is acceptable under codes of practice. Failure for safety will result in the promoter being notified to make the site safe.

Table 1 – Category A Sample Inspections

Year	High Risk Failure	Low Risk Failure	Pass	% Total Failure
2016/17	173	69	5194	4.7%
2017/18	361	80	5647	7.8%
2018/19	363	83	5254	8.5%

There are various reasons why sites are not safe when authorities inspect and there is no guidance to define what is high or low risk only response times to mobilise remedial action which is between 2 or 4 hours. We cannot conclusively say these figures relate to the permit scheme, however by monitoring the figures any trends in failure will allow authorities to investigate further.

Furthermore, authorities are fully aware of their duty to ensure the highway is kept safe, therefore it is reasonable to assume that whilst permits applications are being scrutinised the safety of the planned activities will be assessed, and permits will be refused if they feel works are deemed to be unsafe.

Objective 2

To minimise inconvenience and disruption caused by activities to those using the streets.

Authorities and statutory undertakers are under duty to carry out works on the highway therefore authorities will find it difficult to minimise the amount of works undertaken. However, reducing prolonged activity on the highway will minimise inconvenience and disruption. This can be achieved by assessing works durations on permit applications and challenging if they seem excessive. Figures showing the amount of works carried out on the highway and their average durations can be found in Appendix B (TPI3 & TPI4 report), below is summary showing average duration in days.

Table 2 – Average durations for works category

Category	2016/17	2017/18	2018/19	Promoter
Emergency	5.7	6.4	15.2	Authority
Emergency	4.1	4.3	8.4	Undertaker
Major	83.7	50.1	119.7	Authority
Major	17.9	24.9	26.6	Undertaker
Minor	3.4	2.6	3.0	Authority
Minor	2.5	2.4	2.7	Undertaker
Standard	12.5	9.7	9.5	Authority
Standard	13.4	9.6	10.3	Undertaker
Urgent	4.0	3.4	3.4	Authority
Urgent	4.4	4.4	5.3	Undertaker

Durations fluctuate throughout the three years however the averages do not seem to indicate trends of prolonged activity on the highway.

Objective 3

To protect the structure of the street and the integrity of apparatus on or in it.

Sites are monitored when works are in progress and through reinstatement inspections when the work is complete. The tables for the reinstatements are in Appendix C, a summary is shown below for all statutory undertakers.

Table 3 – Reinstatement Sample Inspections (B & C)

Year	High Risk Failure	Low Risk Failure	Pass	% Total Failure
2016/17	15	1037	12727	8%
2017/18	13	1752	15226	12%
2018/19	8	1851	13223	14%

The data shows the reinstatement figures to be increasing over the three year period however statutory undertakers are under duty to carry out remedial works and rectify their defects. Furthermore, authorities can reinstate the highway if utilities fail to carry out remedial work and recover cost. Permit assessment through GMRAPS allows for greater scrutiny of works that could have the potential to damage the structure of the street and the integrity of apparatus.

It should also be noted that the software used for checking permit applications has additional street data such as restrictions (when roads have been resurfaced), structures such as bridges, special pipelines, signals, special surfacing, etc. which warns personal when checking permits therefore assessment can be made on whether works are likely to affect the designations.

Objective 4

Parity of treatment for all Promoters.

Parity is an important principle and authorities must lead by example by applying the same standards and approaches to their own activities as to those of others, such as statutory undertakers.

This can be demonstrated by comparing the information provided in the appendices particular to applications submitted highlighted in Appendix A.

It is also worth noting the “early starts” information provided in Appendix E. Regulations set the notice periods which are the minimum and promoters of works are expected to follow these. However, operationally there may be circumstances where they wish to start earlier (from time to time authorities may find it advantageous).

All early starts are subject to the agreement of the authority and permission should not be refused unreasonably. Over the three year period there were 14,627 agreements for authorities own work promoters and 15,339 for statutory undertakers. As early starts are arranged through a number of channels (phone, email, site conversations etc) refusals cannot be measured as there is no record on the Symology system unlike approved early starts which are allocated a amended start date.

4. Fee Structure

The Traffic Management Permit Scheme (England) (Amendment) Regulations 2015 require that the permit authority shall consider whether the fee structure needs to be changed in light of any surplus or deficit. Below are the current charges for permits:

Table 4 – Permit Fee Matrix

Works Category	Reinstatement Category 0,1,2		Reinstatement Category 3 & 4 Traffic Sensitive		Reinstate. Category 3 & 4 non-traffic sensitive
	Works during traffic sensitive times	Works outside traffic sensitive times	Works during traffic sensitive times	Works outside traffic sensitive times	All times
PAA	£105	£60	£105	£70	£60
Major	£240	£120	£240	£170	£110
Standard	£130	£75	£130	£90	£45
Minor	£65	£45	£65	£45	£10
Immediate	£60	£30	£60	£30	£10

Within GMRAPS, TfGM provides a financial forecast to Greater Manchester Combined Authority (GMCA) on a yearly basis (last report 15th February 2019) giving an overview of the operation of the scheme and a future forecast as well as recommendations regarding the future variation of permit fees. However, GMRAPS is a unique multi-authority scheme with one set of permit fees for all ten authorities. Therefore, following this 6th year evaluation a separate review will be taking place to look at the costs of operating a permit scheme by each authority.

The review will look at the previous outturn for each authority. Following the review of the fees with Local Authorities during December and January, the proposals will follow a statutory consultation with stakeholders.

5. Cost and Benefits

The forecast fees invoiced over the last three have placed the scheme in an operational deficit of £155,400 by the end of the 2018 financial year. As stated in section 4 this will be addressed as part of the fee review to ensure going forward the scheme operates cost neutral.

The schemes objectives and actions have been met which is illustrated in the evaluation. It is considered permit schemes are the best tool to better co-ordinate works, monitor activity and drive behavioural change of both authorities and statutory undertakers works.

However, there are still concerns of the low permit applications from some of the authority's operation teams. There is a concern that these works could be carried out without co-ordination. To improve this, a report will be submitted to GMCA recommending several options to be considered to secure improved performance, co-ordination and management of all GMRAPS activities through GM highway authorities.

6. Performance Indicators

Performance indicators provide information on the amount of permits applications received, what is granted and what are refused. Original Key Performance Indicators in the GMRAPS scheme document have been replaced by the indicators suggested in the HAUC (England) guidance and these will be changed in future updates to the document. Each permit application is assessed, and decisions are made on the information provided. Promoter applications can differ in their quality which could be a reason for the refusal of permits. Information on individual promoters is provided in Appendix A with a summary provided below.

Table 6 – Permit statistics

Authority	Promoter	Permit App. /Var.	Permit App. Granted	Permit App. Refused	% Granted	% Refused
Bolton	Authority	16311	15107	266	93%	2%
	Undertakers	38175	32331	1289	85%	3%
Bury	Authority	3988	3300	294	83%	7%
	Undertakers	23352	18883	1803	81%	8%
Manchester	Authority	8280	5967	843	72%	10%
	Undertakers	69107	54321	5504	79%	8%
Oldham	Authority	22074	20389	276	92%	1%
	Undertakers	30364	25249	1015	83%	3%
Rochdale	Authority	14035	11574	670	82%	5%
	Undertakers	25598	21148	713	83%	3%
Salford	Authority	16441	14864	377	90%	2%
	Undertakers	46895	34201	2391	73%	5%
Stockport	Authority	40593	32279	2000	80%	5%
	Undertakers	43703	28897	5189	66%	12%
Tameside	Authority	4021	3512	132	87%	3%
	Undertakers	20819	18475	350	89%	2%
Trafford	Authority	377	321	20	85%	5%
	Undertakers	24152	22456	585	93%	2%
Wigan	Authority	30596	28240	1108	92%	4%
	Undertakers	42187	35525	3204	84%	8%

7. HAUC England KPI Measures

These measures are contained in the Statutory Guidance for Highway Authority Permit Schemes and come from the TMA Performance Indicators (TPI's) designed by HAUC (UK).

The measures are simply a summary of statistical information for works promoters and can be found in Appendix B.

8. Authority Measures

Within the third year report there were a number of actions to consider for the future. These actions are listed below with a summary of what was carried out:

ACTION 1 – Continue to work with all work Promoters especially regarding works for road purposes in improving the quality, timeliness and validity of information through integrating live GMRAPS.

The GMRAPS Operational Group consists of representatives from all the ten highway authorities and utility companies from all the main sectors including water, gas, electric and communications. The aim of the group is to promote and encourage consistency, measure and review performance of both undertakers and authorities and develop good practice.

Improvements on works for road purposes (authorities own works) have increased in some authorities and performance reports are provided to the GM Highways Group. This group meets monthly and represented by GM highways management. The group has recognised that some of the authorities internal works seem low which has led to workshops, permit guidance and action plans being produced to ensure a level playing field. This is key to evidence authorities are meeting their statutory requirement in relation to permits.

ACTION 2 – Encourage all Promoters to work collaboratively where appropriate.

GMRAPS can identify where works can conflict and allows authorities to speak with promoters to look at promoting collaborative working. Furthermore, the GM authorities hold quarterly co-ordination meetings with all promoters of works and aim to look at collaborating where possible.

It must be noted that practically works being carried out at the same time can be difficult as the speed of works differs for the different types of works. For example laying communication cables will be quicker than laying sewer pipes. However, an example of good practice has been achieved with Metrolink works in Manchester City Centre where all utility diversion were co-ordinated together under one traffic management set up.

The following tables shows the amount of collaborated works registered over the monitored three-year period:

Table 7 – Collaborative works

Collaborated works	Amount
2016/17	241
2017/18	191
2018/19	157

ACTION 3 – Continue to work with all Promoters in improving the quality of reinstatements and the quantity of 1st time reinstatements.

Below is a table showing works completed with a first time pass and the percentage over three years against all works completed. It must be noted not all permitted works have excavations and some of these will be included in the table.

Table 8 – Works with 1st time reinstatements

Year	2016/17		2017/18		2018/19		2016-19
Authority	One phase	Works	One phase	Works	One phase	Works	Total %
Bolton Council	4566	7061	5342	7768	4896	7294	67%
Bury Council	2588	3699	3380	4436	3269	4375	74%
Manchester Council	6801	10415	8391	12756	8245	12302	66%
Oldham Council	3669	5276	4045	5497	3901	5259	72%
Rochdale Council	3150	4599	3259	4430	3439	5061	70%
Salford Council	3502	6398	4229	7320	5352	9507	56%
Stockport Council	4344	6056	5981	7253	5514	7134	77%
Tameside Council	2811	3609	3088	3721	4007	5506	77%
Trafford Council	3625	4784	3994	4985	3663	4846	77%
Wigan Council	5162	8242	6128	8515	5884	7944	70%
Total	40218	60139	47837	66681	48170	69228	69%

Both authorities and statutory undertakers strive to be on site in only one phase. However, operationally there may be times when it is advantageous to carry out an interim reinstatement, for example if you wish works to re-open a road to traffic as quickly as possible following emergency works. The permanent reinstatement works can then be undertaken during off peak times.

ACTION 4 – Improve how works information is distributed to ensure the right information is given to the right people at the right time for the right purpose so informed decisions can be made to make travel easier in Greater Manchester.

In response to this action 24 stakeholder reports have been designed to provide information to various parties including authorities, bus operators, couriers, utility companies and internal TfGM sections.

For the public there is a website showing the roadworks in the GM conurbation which can be accessed by <https://www.gmroadworks.org/>. This was updated in 2017 to make it easier for the public to view the works on a mapping basis. Additionally, information is also provided to an organisation called ELGIN who produce a website showing the roadworks nationally, including the motorway network, via their website <https://one.network/>.

ACTION 5 – Proactively manage the relationship with Highways England (HE) through the regular road space occupancy reassurance meetings where the group will review data present in both GMRAPS and HE systems to mitigate impact and increase network availability.

Improvements were made to proactively manage the relationship with Highways England through the Highways Strategy Board Tactical Working Group. Processes were devised and implemented to carry out weekly conflict checks where Highway England road closures and planned activities could affect works on the local network.

The working group were also tasked with an objective to have a feed of Highways England works in the GMRAPS software, however operationally this would have been difficult and expensive. A solution to this was found using the ELGIN platform which gives insight on authorities local network and Highways England's strategic network, which can assist decision making when co-ordinating works. Further enhancements between GM authorities and HE's works will become available when the Governments "Street Manager" software becomes available from April 2020.

ACTION 6 – Ensure that any future published review will ensure that future benefits of scheme calculations are undertaken which looks at the costs of works at traffic sensitive times compared to none traffic sensitive times in addition to term time compared to school holidays. These will provide evidence to support decisions on the timetabling and phasing of works.

In response to this action a selection of weeks was studied along the 14 monitored corridors in Greater Manchester by the Data Analysis Team at TfGM. The aim was to analyse the additional hours for motorists taken because of roadworks during the morning and evening peak times (Monday – Friday). The table below shows weekly "additional hours" over a normal journey due to roadworks and the cost per week associated with the additional travel time.

Table 9 – Hours lost due to roadworks

Week Commencing	Additional Hours	Cost
04/03/2019	24732.10	£ 245,218.80
11/03/2019	16094.88	£ 159,580.76
18/03/2019	18620.33	£ 184,620.59
25/03/2019	18371.21	£ 182,150.50
01/04/2019	16893.76	£ 167,501.66
08/04/2019	15265.30	£ 151,355.42
15/04/2019	10944.64	£ 108,516.11
22/04/2019	9103.04	£ 90,256.61
29/04/2019	19829.60	£ 196,610.52
06/05/2019	18880.28	£ 187,198.03
13/05/2019	19523.58	£ 193,576.34
20/05/2019	18567.44	£ 184,096.14
27/05/2019	8362.65	£ 82,915.68
03/06/2019	8594.88	£ 85,218.20
10/06/2019	9805.92	£ 97,225.71
17/06/2019	10837.55	£ 107,454.27
24/06/2019	11276.67	£ 111,808.16
01/07/2019	12805.01	£ 126,961.68
08/07/2019	12095.21	£ 119,923.96
15/07/2019	4530.26	£ 44,917.57

It was noted during the study that through the school holidays (weeks commencing 15/04/2019 & 22/04/2019) there were a saving in the additional hours

ACTION 7 – Encourage more Promoters to use the attachment function in EToN to attach traffic management plans to the permit as appropriate to improve coordination and communication to increase the number of permits granted first time.

Through the GMRAPS Operational Group works promoters have been engaged to use the attachment for all features including traffic management plans. There has been an increase in use from promoters of works and many traffic management plans have been submitted. Furthermore, promoters are increasingly using the “Traffic Signal Application” notice feature in the GMRAPS system to seek approval for works under temporary traffic signals.

ACTION 8 – Investigate why the duration of Immediate (Emergency) and standard works are increasing to ensure sites where these types of works are undertaken are not leaving the site occupied for unnecessary amounts of time on Key Routes.

The third year of the GMRAPS scheme showed an increase of both standard works and emergency works for statutory undertakers. The table below shows the averages of the last three years for both standard and emergency works. The average for standard works for both authority and statutory undertakers have decreased between 2016 and 2018 indicating the greater challenge of durations is having a positive impact on unnecessary highway occupation.

Table 10 – Standard and emergency works

Category	2016/17	2017/18	2018/19	Promoter
Standard	12.5	9.7	9.5	Authority
Standard	13.4	9.6	10.3	Undertaker
Emergency	5.7	6.4	15.2	Authority
Emergency	4.1	4.3	8.4	Undertaker

Emergency work durations have the potential to change considerably year to year due to the nature of the works and there can be no ‘standards’ as these will be a site by site basis. For example, in 2018 a railway bridge in Farnworth, Bolton required substantial structural works due to flooding which resulted in Network Rail working on two roads for a duration of 270 days. Furthermore, utility infrastructure was damaged, and their permits would have impacted the overall duration for the works. These works would have had a significant impact on the average durations of emergency works.

Performance reports for GMRAPS Operational Group will continue to be published for authority’s perusal and action if works seem to be prolonged.

9. Recommendations

GMRAPS can evidence there has been a marked improvement in the management and co-ordination of works on the highway however the scheme should continually look to improve the for the benefit of the traveling public. Following this review there are several actions listed below which should help to develop the scheme further:

Action 1 – Under costs and benefits the forecast for fees invoiced has highlighted that in last three there is an operational deficit of £155,400 at the end of the 2018 financial year. A full review of the permit fees will be undertaken, and consultation undertaken with Stakeholders.

Action 2 – The GMRAPS Scheme Document was produced in 2013 prior to regulation changes, revocation of the Code of Practice for Permits, new Key Performance Indicators, HAUC operation guidance and proposed changes due to Street Manager. A review of the GMRAPS scheme document will be carried out and proposed changes put forward for consultation.

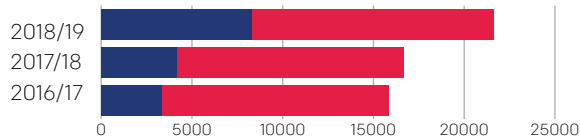
Action 3 – Operational inconsistencies between authorities have been identified and will be highlighted to GMCA. Proposals will be put forward to improve the running of the GMRAPS scheme particular to permit applications for authorities own works and the improved co-ordination of activities across the region.

Action 4 – The DfT Street Manager software will become mandatory in April 2020. TfGM and the authorities will ensure the transition onto the system is done without affecting performance to the GMRAPS scheme.

Action 5 – To use features provided by ELGIN such a road closure notifications, journey time monitoring and cross boundary co-ordination to keep the public updated on road works information through their website <https://one.network/>

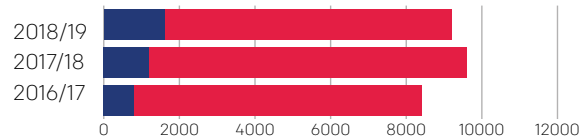
APPENDIX A – Performance Indicators – The number of permit and permit variation applications

Bolton Permit/Var. Applications



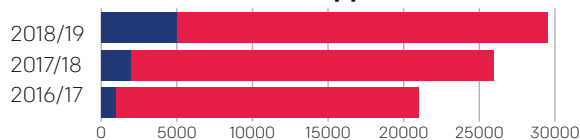
	2016/17	2017/18	2018/19
Authority	3691	4018	8602
Undertaker	12107	13137	12934

Bury Permit/Var. Applications



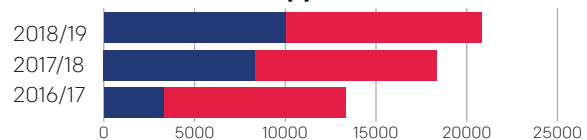
	2016/17	2017/18	2018/19
Authority	985	1256	1747
Undertaker	7357	8494	7501

Manchester Permit/Var. Applications



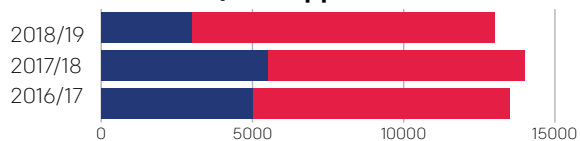
	2016/17	2017/18	2018/19
Authority	1075	1982	5223
Undertaker	20716	24062	24329

Oldham Permit/Var. Applications



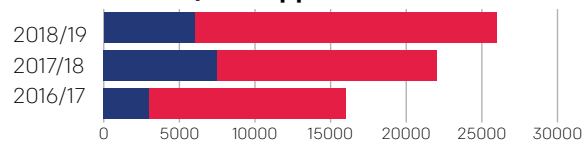
	2016/17	2017/18	2018/19
Authority	3742	8100	10232
Undertaker	9901	10316	10147

Rochdale Permit/Var. Applications



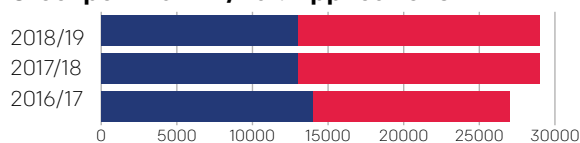
	2016/17	2017/18	2018/19
Authority	4943	5651	3441
Undertaker	8080	8234	9284

Salford Permit/Var. Applications



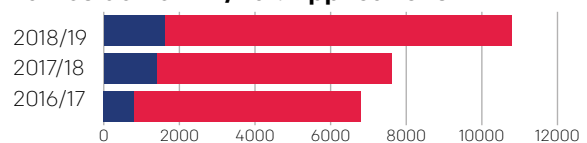
	2016/17	2017/18	2018/19
Authority	3066	7490	5885
Undertaker	12900	13989	20006

Stockport Permit/Var. Applications



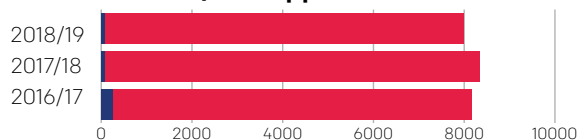
	2016/17	2017/18	2018/19
Authority	14191	13076	13326
Undertaker	12727	15547	15429

Tameside Permit/Var. Applications



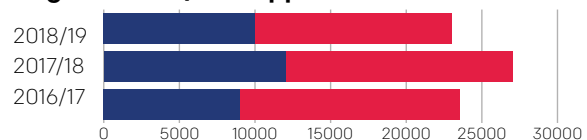
	2016/17	2017/18	2018/19
Authority	810	1534	1677
Undertaker	5889	6001	8929

Trafford Permit/Var. Applications



	2016/17	2017/18	2018/19
Authority	214	75	88
Undertaker	7900	8301	7951

Wigan Permit/Var. Applications



	2016/17	2017/18	2018/19
Authority	7981	12384	10231
Undertaker	15421	14060	12706

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – BOLTON

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1970	1581	80%	127	6%
BT	1667	1449	87%	76	5%
BOLTON COUNCIL	3691	3269	89%	44	1%
ELECTRICITY NORTH WEST	1041	797	77%	41	4%
Vodafone	91	69	76%	12	13%
NETWORK RAIL -PROMOTERS NATIONAL	69	62	90%	0	0%
VIRGIN MEDIA	3377	2995	89%	119	4%
Telefonica (O2 (UK) Limited)	15	13	87%	0	0%
Transport for Greater Manchester	155	137	88%	5	3%
Romec	3	1	33%	0	0%
GTC	6	4	67%	0	0%
Orange PCS Group	2	2	100%	0	0%
T-Mobile (UK) Limited	37	30	81%	0	0%
ES Pipelines Ltd	14	12	86%	1	7%
Fulcrum Pipelines Limited	22	15	68%	2	9%
ESP Electricity Ltd	2	2	100%	0	0%
UNITED UTILITIES WATER LIMITED	3636	3314	91%	69	2%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1920	1551	81%	83	4%
BT	2126	1649	78%	135	6%
BOLTON COUNCIL	4018	3676	91%	87	2%
ELECTRICITY NORTH WEST	1365	937	69%	51	4%
National Grid Electric PLC	1	1	100%	0	0%
Vodafone	93	65	70%	5	5%
NETWORK RAIL -PROMOTERS NATIONAL	141	114	81%	4	3%
VIRGIN MEDIA	3554	3193	90%	87	2%
Telefonica (O2 (UK) Limited)	4	3	75%	0	0%
Transport for Greater Manchester	222	187	84%	7	3%
Romec	2	2	100%	0	0%
Clear Channel	11	8	73%	2	18%
Orange PCS Group	2	1	50%	0	0%
T-Mobile (UK) Limited	18	15	83%	0	0%
ES Pipelines Ltd	9	6	67%	0	0%
Energetics Electricity Limited	22	13	59%	5	23%
Fulcrum Pipelines Limited	37	19	51%	5	14%
Hyperoptic Ltd	4	4	100%	0	0%
UNITED UTILITIES WATER LIMITED	3605	3250	90%	51	1%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	2033	1659	82%	75	4%
BT	2059	1770	86%	52	3%
BOLTON COUNCIL	8602	8162	95%	135	2%
ELECTRICITY NORTH WEST	1487	1023	69%	92	6%
National Grid Electric PLC	2	1	50%	0	0%
Vodafone	54	32	59%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	47	33	70%	6	13%
VIRGIN MEDIA	2957	2623	89%	75	3%
Telefonica (O2 (UK) Limited)	6	6	100%	0	0%
Transport for Greater Manchester	263	179	68%	21	8%
Romec	18	15	83%	1	6%
Clear Channel	4	4	100%	0	0%
GTC	24	9	38%	1	4%
T-Mobile (UK) Limited	41	39	95%	0	0%
ES Pipelines Ltd	16	7	44%	2	13%
Energetics Electricity Limited	37	27	73%	3	8%
Fulcrum Pipelines Limited	59	29	49%	7	12%
ESP Electricity Ltd	2	2	100%	0	0%
Energetics Gas Limited	3	1	33%	0	0%
Hyperoptic Ltd	1	0	0%	0	0%
Arqiva Ltd	8	5	63%	1	13%
Energy Assets Networks Ltd	1	1	100%	0	0%
UNITED UTILITIES WATER LIMITED	3810	3365	88%	66	2%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – BURY

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1163	878	75%	88	8%
BT	845	581	69%	109	13%
BURY COUNCIL	985	697	71%	135	14%
ELECTRICITY NORTH WEST	684	482	70%	43	6%
Vodafone	22	14	64%	4	18%
VIRGIN MEDIA	1507	1188	79%	132	9%
Telefonica (O2 (UK) Limited)	11	5	45%	2	18%
Transport for Greater Manchester	130	75	58%	20	15%
GTC	11	6	55%	3	27%
T-Mobile (UK) Limited	42	28	67%	3	7%
ES Pipelines Ltd	42	20	48%	7	17%
Energetics Electricity Limited	67	34	51%	19	28%
Fulcrum Pipelines Limited	55	20	36%	19	35%
Energetics Gas Limited	4	2	50%	1	25%
UNITED UTILITIES WATER LIMITED	2774	2315	83%	160	6%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1231	1046	85%	71	6%
BT	1074	792	74%	129	12%
BURY COUNCIL	1256	1047	83%	77	6%
ELECTRICITY NORTH WEST	717	542	76%	47	7%
National Grid Electric PLC	4	2	50%	1	25%
Vodafone	31	16	52%	8	26%
VIRGIN MEDIA	2392	1849	77%	254	11%
Telefonica (O2 (UK) Limited)	1	1	100%	0	0%
Dept for Transport Stat Roads	2	1	50%	0	0%
Transport for Greater Manchester	90	63	70%	11	12%
GTC	8	4	50%	1	13%
T-Mobile (UK) Limited	31	16	52%	6	19%
ES Pipelines Ltd	14	6	43%	5	36%
Energetics Electricity Limited	13	11	85%	0	0%
Fulcrum Pipelines Limited	30	19	63%	4	13%
Energetics Gas Limited	6	5	83%	1	17%
UNITED UTILITIES WATER LIMITED	2850	2426	85%	166	6%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1230	1085	88%	70	6%
BT	1065	870	82%	111	10%
BURY COUNCIL	1747	1556	89%	82	5%
ELECTRICITY NORTH WEST	746	600	80%	35	5%
Vodafone	38	28	74%	6	16%
VIRGIN MEDIA	1097	927	85%	88	8%
Telefonica (O2 (UK) Limited)	7	5	71%	0	0%
Dept for Transport Stat Roads	1	1	100%	0	0%
Transport for Greater Manchester	127	95	75%	22	17%
Romec	3	3	100%	0	0%
GTC	28	17	61%	6	21%
T-Mobile (UK) Limited	7	3	43%	4	57%
Energetics Electricity Limited	42	29	69%	7	17%
Fulcrum Pipelines Limited	21	12	57%	3	14%
GEO	3	2	67%	0	0%
ESP Electricity Ltd	3	3	100%	0	0%
Energetics Gas Limited	6	4	67%	0	0%
Energy Assets Networks Ltd	1	1	100%	0	0%
UNITED UTILITIES WATER LIMITED	3076	2751	89%	137	4%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – MANCHESTER

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	3172	2667	84%	125	4%
BT	2302	1781	77%	195	8%
InFocus Public Networks	1	1	100%	0	0%
MANCHESTER CITY COUNCIL	1075	817	76%	110	10%
ELECTRICITY NORTH WEST	2450	1970	80%	94	4%
SCOTTISH POWER (MANWEB)	14	7	50%	0	0%
COLT TELECOMMUNICATIONS	25	22	88%	3	12%
Vodafone	218	119	55%	51	23%
Verizon Business Ltd	13	11	85%	2	15%
NETWORK RAIL -PROMOTERS NATIONAL	324	224	69%	8	2%
VIRGIN MEDIA	4571	3701	81%	319	7%
Telefonica (O2 (UK) Limited)	22	12	55%	5	23%
CenturyLink Communications UK Limited	7	5	71%	2	29%
Transport for Greater Manchester	829	551	66%	184	22%
Romec	1	1	100%	0	0%
GTC	6	3	50%	1	17%
Orange PCS Group	6	5	83%	0	0%
Zayo Group UK Ltd (formerly AboveNet)	1	1	100%	0	0%
INSTALCOM on behalf of Gamma Telecom	75	51	68%	10	13%
SSE DATACOM	3	2	67%	0	0%
T-Mobile (UK) Limited	84	61	73%	7	8%
ES Pipelines Ltd	37	15	41%	2	5%
Energetics Electricity Limited	10	8	80%	2	20%
Fulcrum Pipelines Limited	99	63	64%	15	15%
EUNETWORKS FIBER UK LTD	54	36	67%	18	33%
Energetics Gas Limited	7	6	86%	0	0%
CityFibre	97	61	63%	29	30%
Concept Solutions People Ltd	10	8	80%	1	10%
Hyperoptic Ltd	42	25	60%	10	24%
Arqiva Ltd	14	6	43%	3	21%
UNITED UTILITIES WATER LIMITED	6222	5142	83%	451	7%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	2974	2522	85%	113	4%
Highways England	2	0	0%	1	50%
BT	2608	1938	74%	253	10%
MANCHESTER CITY COUNCIL	1982	1408	71%	231	12%
ELECTRICITY NORTH WEST	2858	2117	74%	251	9%
SCOTTISH POWER (MANWEB)	13	8	62%	0	0%
COLT TELECOMMUNICATIONS	24	19	79%	3	13%
Vodafone	291	150	52%	58	20%
NETWORK RAIL -PROMOTERS NATIONAL	417	290	70%	60	14%
VIRGIN MEDIA	6844	5877	86%	327	5%
Telefonica (O2 (UK) Limited)	13	10	77%	2	15%
CenturyLink Communications UK Limited	26	15	58%	10	38%
Transport for Greater Manchester	667	444	67%	86	13%
Romec	7	7	100%	0	0%
BSkyB Telecommunications Services Ltd.	3	2	67%	1	33%
GTC	35	16	46%	12	34%
Orange PCS Group	7	5	71%	2	29%
Zayo Group UK Ltd (formerly AboveNet)	8	3	38%	4	50%
INSTALCOM on behalf of Gamma Telecom	214	132	62%	55	26%
T-Mobile (UK) Limited	114	73	64%	10	9%
ES Pipelines Ltd	41	22	54%	2	5%
Energetics Electricity Limited	84	45	54%	13	15%
Fulcrum Pipelines Limited	102	62	61%	24	24%
GEO	2	1	50%	1	50%
EUNETWORKS FIBER UK LTD	26	17	65%	6	23%
ESP Electricity Ltd	4	2	50%	0	0%
Energetics Gas Limited	73	43	59%	13	18%
CityFibre	46	19	41%	9	20%
Hyperoptic Ltd	58	34	59%	14	24%
Arqiva Ltd	28	21	75%	3	11%
UNITED UTILITIES WATER LIMITED	6473	5376	83%	427	7%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	3210	2553	80%	184	6%
BT	3872	2705	70%	337	9%
MANCHESTER CITY COUNCIL	5223	3742	72%	502	10%
ELECTRICITY NORTH WEST	2885	1875	65%	440	15%
SCOTTISH POWER (MANWEB)	9	2	22%	0	0%
COLT TELECOMMUNICATIONS	101	59	58%	19	19%
Vodafone	334	200	60%	89	27%
Verizon Business Ltd	1	1	100%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	355	225	63%	52	15%
VIRGIN MEDIA	4512	3795	84%	312	7%
Telefonica (O2 (UK) Limited)	10	8	80%	0	0%
CenturyLink Communications UK Limited	17	13	76%	1	6%
Transport for Greater Manchester	670	464	69%	98	15%
Romec	11	7	64%	1	9%
GTC	52	23	44%	4	8%
INSTALCOM on behalf of Gamma Telecom	121	81	67%	30	25%
SSE DATACOM	16	13	81%	1	6%
T-Mobile (UK) Limited	120	64	53%	9	8%
ES Pipelines Ltd	14	8	57%	1	7%
Energetics Electricity Limited	67	36	54%	5	7%
Fulcrum Pipelines Limited	100	53	53%	29	29%
GEO	11	5	45%	4	36%
EUNETWORKS FIBER UK LTD	2	2	100%	0	0%
ESP Electricity Ltd	46	35	76%	7	15%
Energetics Gas Limited	50	32	64%	6	12%
CityFibre	30	10	33%	13	43%
Independent Next Generation Networks Ltd	7	1	14%	5	71%
Harlaxton Energy Networks	107	86	80%	8	7%
Hyperoptic Ltd	368	255	69%	65	18%
Arqiva Ltd	8	2	25%	1	13%
Energy Assets Networks Ltd	20	12	60%	1	5%
Quickline Communications Ltd	11	7	64%	1	9%
Fulcrum Electrical Assets Limited	26	13	50%	3	12%
UNITED UTILITIES WATER LIMITED	7166	5841	82%	481	7%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – OLDHAM

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1309	1129	86%	49	4%
BT	1276	1007	79%	39	3%
OLDHAM COUNCIL	3742	3405	91%	78	2%
ELECTRICITY NORTH WEST	1072	871	81%	22	2%
National Grid Electric PLC	6	6	100%	0	0%
Vodafone	12	9	75%	2	17%
NETWORK RAIL -PROMOTERS NATIONAL	5	2	40%	0	0%
VIRGIN MEDIA	2399	2054	86%	105	4%
Transport for Greater Manchester	180	142	79%	8	4%
Romec	1	1	100%	0	0%
Clear Channel	7	3	43%	2	29%
GTC	1	1	100%	0	0%
T-Mobile (UK) Limited	3	2	67%	0	0%
ES Pipelines Ltd	16	12	75%	1	6%
Energetics Electricity Limited	30	25	83%	2	7%
Fulcrum Pipelines Limited	12	7	58%	1	8%
GEO	1	1	100%	0	0%
ESP Electricity Ltd	19	18	95%	0	0%
Energetics Gas Limited	3	2	67%	0	0%
UNITED UTILITIES WATER LIMITED	3549	3058	86%	42	1%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	945	776	82%	25	3%
BT	1384	1027	74%	89	6%
OLDHAM COUNCIL	8100	7663	95%	86	1%
ELECTRICITY NORTH WEST	1186	927	78%	26	2%
Vodafone	26	17	65%	1	4%
NETWORK RAIL -PROMOTERS NATIONAL	8	6	75%	0	0%
VIRGIN MEDIA	2887	2503	87%	131	5%
Dept for Transport Stat Roads	1	0	0%	0	0%
Transport for Greater Manchester	127	96	76%	9	7%
Romec	1	1	100%	0	0%
BSkyB Telecommunications Services Ltd.	3	2	67%	0	0%
GTC	5	2	40%	0	0%
T-Mobile (UK) Limited	5	3	60%	0	0%
Energetics Electricity Limited	32	18	56%	9	28%
Fulcrum Pipelines Limited	7	3	43%	2	29%
GEO	1	1	100%	0	0%
ESP Electricity Ltd	21	21	100%	0	0%
Energetics Gas Limited	5	4	80%	0	0%
CityFibre	7	5	71%	1	14%
Arqiva Ltd	11	8	73%	1	9%
UNITED UTILITIES WATER LIMITED	3654	3175	87%	61	2%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1031	844	82%	56	5%
BT	1703	1195	70%	157	9%
OLDHAM COUNCIL	10232	9321	91%	112	1%
ELECTRICITY NORTH WEST	1132	873	77%	43	4%
Vodafone	39	25	64%	3	8%
NETWORK RAIL -PROMOTERS NATIONAL	26	18	69%	0	0%
VIRGIN MEDIA	1613	1424	88%	36	2%
Transport for Greater Manchester	305	193	63%	18	6%
Romec	2	1	50%	0	0%
BSkyB Telecommunications Services Ltd.	1	1	100%	0	0%
T-Mobile (UK) Limited	6	4	67%	1	17%
ES Pipelines Ltd	20	16	80%	2	10%
Energetics Electricity Limited	36	22	61%	3	8%
Fulcrum Pipelines Limited	4	4	100%	0	0%
ESP Electricity Ltd	59	42	71%	3	5%
Energetics Gas Limited	9	5	56%	1	11%
CityFibre	1	0	0%	0	0%
Energy Assets Networks Ltd	10	7	70%	0	0%
Fulcrum Electrical Assets Limited	5	2	40%	1	20%
UNITED UTILITIES WATER LIMITED	4145	3628	88%	63	2%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – ROCHDALE

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1316	1108	84%	56	4%
BT	1167	957	82%	56	5%
ROCHDALE COUNCIL	4943	4201	85%	257	5%
ELECTRICITY NORTH WEST	1150	910	79%	16	1%
National Grid Electric PLC	3	3	100%	0	0%
Vodafone	30	14	47%	3	10%
NETWORK RAIL -PROMOTERS NATIONAL	36	25	69%	0	0%
VIRGIN MEDIA	1317	1179	90%	35	3%
Telefonica (O2 (UK) Limited)	3	2	67%	0	0%
Transport for Greater Manchester	129	111	86%	4	3%
Clear Channel	2	2	100%	0	0%
GTC	14	9	64%	1	7%
T-Mobile (UK) Limited	16	14	88%	0	0%
ES Pipelines Ltd	35	26	74%	3	9%
Energetics Electricity Limited	17	13	76%	1	6%
Fulcrum Pipelines Limited	14	9	64%	1	7%
ESP Electricity Ltd	16	10	63%	2	13%
Harlaxton Energy Networks	5	3	60%	0	0%
UNITED UTILITIES WATER LIMITED	2810	2430	86%	59	2%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	812	670	83%	33	4%
BT	1324	1044	79%	61	5%
ROCHDALE COUNCIL	5651	4745	84%	231	4%
ELECTRICITY NORTH WEST	985	701	71%	29	3%
Vodafone	13	9	69%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	34	24	71%	1	3%
VIRGIN MEDIA	2189	1920	88%	55	3%
Telefonica (O2 (UK) Limited)	3	3	100%	0	0%
Transport for Greater Manchester	101	84	83%	2	2%
Romec	1	1	100%	0	0%
GTC	25	17	68%	1	4%
T-Mobile (UK) Limited	23	15	65%	0	0%
ES Pipelines Ltd	21	11	52%	2	10%
Energetics Electricity Limited	57	44	77%	6	11%
Fulcrum Pipelines Limited	11	9	82%	0	0%
ESP Electricity Ltd	7	4	57%	1	14%
Energetics Gas Limited	10	7	70%	1	10%
Arqiva Ltd	15	7	47%	3	20%
UNITED UTILITIES WATER LIMITED	2603	2240	86%	54	2%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	826	681	82%	30	4%
BT	1435	1109	77%	35	2%
ROCHDALE COUNCIL	3441	2628	76%	182	5%
ELECTRICITY NORTH WEST	1153	773	67%	36	3%
National Grid Electric PLC	1	0	0%	0	0%
Vodafone	29	19	66%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	39	30	77%	1	3%
VIRGIN MEDIA	2468	2061	84%	64	3%
Telefonica (O2 (UK) Limited)	1	1	100%	0	0%
Dept for Transport Stat Roads	2	1	50%	0	0%
Transport for Greater Manchester	130	102	78%	3	2%
Romec	5	5	100%	0	0%
GTC	9	6	67%	0	0%
T-Mobile (UK) Limited	7	6	86%	1	14%
ES Pipelines Ltd	28	21	75%	3	11%
Energetics Electricity Limited	87	61	70%	9	10%
Fulcrum Pipelines Limited	23	15	65%	3	13%
ESP Electricity Ltd	11	6	55%	1	9%
Arqiva Ltd	12	10	83%	2	17%
UNITED UTILITIES WATER LIMITED	3018	2606	86%	39	1%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – SALFORD

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1966	1639	83%	79	4%
BT	1483	915	62%	84	6%
SALFORD CITY COUNCIL	3066	2670	87%	95	3%
ELECTRICITY NORTH WEST	1159	788	68%	28	2%
Vodafone	207	92	44%	19	9%
NETWORK RAIL -PROMOTERS NATIONAL	270	192	71%	8	3%
VIRGIN MEDIA	2855	2295	80%	102	4%
Telefonica (O2 (UK) Limited)	15	7	47%	1	7%
CenturyLink Communications UK Limited	2	2	100%	0	0%
Transport for Greater Manchester	312	211	68%	12	4%
GTC	9	6	67%	0	0%
Orange PCS Group	1	1	100%	0	0%
Zayo Group UK Ltd (formerly AboveNet)	11	4	36%	0	0%
INSTALCOM on behalf of Gamma Telecom	100	53	53%	12	12%
T-Mobile (UK) Limited	8	4	50%	1	13%
ES Pipelines Ltd	21	16	76%	1	5%
Energetics Electricity Limited	50	29	58%	1	2%
Fulcrum Pipelines Limited	72	36	50%	5	7%
GEO	3	1	33%	1	33%
EUNETWORKS FIBER UK LTD	62	23	37%	7	11%
ESP Electricity Ltd	2	2	100%	0	0%
Energetics Gas Limited	6	4	67%	1	17%
CityFibre	57	45	79%	4	7%
Hyperoptic Ltd	6	3	50%	1	17%
UNITED UTILITIES WATER LIMITED	4223	3310	78%	105	2%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	2085	1646	79%	94	5%
BT	1643	1043	63%	129	8%
SALFORD CITY COUNCIL	7490	6866	92%	143	2%
ELECTRICITY NORTH WEST	1641	1030	63%	97	6%
National Grid Electric PLC	1	1	100%	0	0%
COLT TELECOMMUNICATIONS	5	5	100%	0	0%
Vodafone	144	66	46%	9	6%
Verizon Business Ltd	3	2	67%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	232	132	57%	10	4%
VIRGIN MEDIA	3674	3156	86%	163	4%
CenturyLink Communications UK Limited	15	10	67%	4	27%
Transport for Greater Manchester	232	146	63%	16	7%
Romec	5	4	80%	1	20%
GTC	16	11	69%	1	6%
Zayo Group UK Ltd (formerly AboveNet)	5	3	60%	0	0%
INSTALCOM on behalf of Gamma Telecom	163	91	56%	12	7%
T-Mobile (UK) Limited	44	21	48%	1	2%
ES Pipelines Ltd	19	15	79%	0	0%
Energetics Electricity Limited	66	27	41%	5	8%
Fulcrum Pipelines Limited	61	30	49%	4	7%
GEO	5	2	40%	2	40%
EUNETWORKS FIBER UK LTD	11	6	55%	0	0%
CityFibre	2	0	0%	2	100%
Hyperoptic Ltd	43	28	65%	7	16%
UNITED UTILITIES WATER LIMITED	3874	3076	79%	126	3%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	2231	1657	74%	111	5%
BT	6646	4568	69%	529	8%
SALFORD CITY COUNCIL	5885	5328	91%	139	2%
ELECTRICITY NORTH WEST	2172	1205	55%	234	11%
National Grid Electric PLC	1	1	100%	0	0%
COLT TELECOMMUNICATIONS	22	14	64%	3	14%
Vodafone	210	82	39%	32	15%
NETWORK RAIL -PROMOTERS NATIONAL	114	60	53%	3	3%
VIRGIN MEDIA	2810	2171	77%	97	3%
Transport for Greater Manchester	355	215	61%	41	12%
Romec	1	1	100%	0	0%
GTC	16	7	44%	5	31%
Zayo Group UK Ltd (formerly AboveNet)	1	1	100%	0	0%
INSTALCOM on behalf of Gamma Telecom	9	6	67%	1	11%
SSE DATACOM	34	19	56%	0	0%
T-Mobile (UK) Limited	15	8	53%	3	20%
ES Pipelines Ltd	27	17	63%	3	11%
Energetics Electricity Limited	85	55	65%	16	19%
Fulcrum Pipelines Limited	38	22	58%	4	11%
ESP Electricity Ltd	5	3	60%	0	0%
CityFibre	6	1	17%	2	33%
Independent Next Generation Networks Ltd	1	1	100%	0	0%
Hyperoptic Ltd	139	78	56%	24	17%
Arqiva Ltd	5	1	20%	2	40%
Energy Assets Networks Ltd	5	2	40%	2	40%
UNITED UTILITIES WATER LIMITED	5058	3777	75%	124	2%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – STOCKPORT

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1846	1285	70%	195	11%
BT	1245	764	61%	244	20%
STOCKPORT COUNCIL	14191	11565	81%	826	6%
ELECTRICITY NORTH WEST	979	621	63%	90	9%
National Grid Electric PLC	4	1	25%	3	75%
Vodafone	107	41	38%	33	31%
NETWORK RAIL -PROMOTERS NATIONAL	67	34	51%	6	9%
VIRGIN MEDIA	3203	2138	67%	435	14%
Telefonica (O2 (UK) Limited)	18	5	28%	4	22%
Dept for Transport Stat Roads	4	2	50%	0	0%
Transport for Greater Manchester	257	180	70%	21	8%
Romec	1	1	100%	0	0%
GTC	22	8	36%	10	45%
Orange PCS Group	8	3	38%	2	25%
INSTALCOM on behalf of Gamma Telecom	2	1	50%	1	50%
T-Mobile (UK) Limited	94	43	46%	24	26%
ES Pipelines Ltd	11	7	64%	1	9%
Energetics Electricity Limited	21	13	62%	1	5%
Fulcrum Pipelines Limited	58	27	47%	20	34%
ESP Electricity Ltd	4	2	50%	0	0%
UNITED UTILITIES WATER LIMITED	4776	3457	72%	527	11%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1450	992	68%	187	13%
BT	1802	1005	56%	379	21%
STOCKPORT COUNCIL	13076	10622	81%	527	4%
ELECTRICITY NORTH WEST	1624	948	58%	150	9%
National Grid Electric PLC	20	12	60%	4	20%
Vodafone	40	16	40%	9	23%
NETWORK RAIL -PROMOTERS NATIONAL	108	52	48%	15	14%
VIRGIN MEDIA	4397	2948	67%	586	13%
Telefonica (O2 (UK) Limited)	1	0	0%	1	100%
Transport for Greater Manchester	271	196	72%	18	7%
Romec	7	1	14%	2	29%
GTC	55	30	55%	5	9%
T-Mobile (UK) Limited	43	16	37%	10	23%
ES Pipelines Ltd	21	5	24%	5	24%
Energetics Electricity Limited	29	10	34%	8	28%
Fulcrum Pipelines Limited	42	20	48%	9	21%
ESP Electricity Ltd	1	1	100%	0	0%
Energetics Gas Limited	22	9	41%	3	14%
CityFibre	4	1	25%	1	25%
Arqiva Ltd	8	3	38%	0	0%
UNITED UTILITIES WATER LIMITED	5602	3977	71%	602	11%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1779	1169	66%	170	10%
BT	1477	856	58%	242	16%
STOCKPORT COUNCIL	13326	10092	76%	647	5%
ELECTRICITY NORTH WEST	1636	1010	62%	111	7%
National Grid Electric PLC	141	74	52%	35	25%
Vodafone	86	28	33%	19	22%
NETWORK RAIL -PROMOTERS NATIONAL	117	50	43%	16	14%
VIRGIN MEDIA	3737	2478	66%	359	10%
Dept for Transport Stat Roads	3	1	33%	1	33%
Transport for Greater Manchester	247	154	62%	26	11%
Romec	7	5	71%	0	0%
GTC	52	30	58%	8	15%
T-Mobile (UK) Limited	14	6	43%	2	14%
ES Pipelines Ltd	35	14	40%	3	9%
Energetics Electricity Limited	2	1	50%	0	0%
Fulcrum Pipelines Limited	41	19	46%	8	20%
ESP Electricity Ltd	5	1	20%	3	60%
Energetics Gas Limited	18	5	28%	1	6%
CityFibre	1	0	0%	0	0%
Energy Assets Networks Ltd	10	2	20%	4	40%
UNITED UTILITIES WATER LIMITED	6021	4119	68%	570	9%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – TAMESIDE

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	911	786	86%	16	2%
BT	538	485	90%	4	1%
TAMESIDE COUNCIL	810	692	85%	36	4%
ELECTRICITY NORTH WEST	685	596	87%	1	0%
Vodafone	20	15	75%	1	5%
NETWORK RAIL -PROMOTERS NATIONAL	61	52	85%	1	2%
VIRGIN MEDIA	908	813	90%	17	2%
Transport for Greater Manchester	114	103	90%	0	0%
BSkyB Telecommunications Services Ltd.	1	1	100%	0	0%
GTC	4	4	100%	0	0%
T-Mobile (UK) Limited	26	24	92%	1	4%
ES Pipelines Ltd	30	27	90%	2	7%
Energetics Electricity Limited	18	15	83%	1	6%
Fulcrum Pipelines Limited	11	8	73%	0	0%
ESP Electricity Ltd	9	6	67%	1	11%
Energetics Gas Limited	4	3	75%	0	0%
UNITED UTILITIES WATER LIMITED	2549	2302	90%	20	1%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	682	588	86%	20	3%
BT	709	613	86%	23	3%
TAMESIDE COUNCIL	1534	1343	88%	26	2%
ELECTRICITY NORTH WEST	761	645	85%	2	0%
Vodafone	17	12	71%	2	12%
NETWORK RAIL -PROMOTERS NATIONAL	61	41	67%	2	3%
VIRGIN MEDIA	989	907	92%	18	2%
Telefonica (O2 (UK) Limited)	6	4	67%	0	0%
Dept for Transport Stat Roads	1	1	100%	0	0%
Transport for Greater Manchester	135	114	84%	3	2%
Romec	4	3	75%	0	0%
GTC	1	1	100%	0	0%
T-Mobile (UK) Limited	10	9	90%	0	0%
ES Pipelines Ltd	14	7	50%	0	0%
Energetics Electricity Limited	18	10	56%	1	6%
Fulcrum Pipelines Limited	43	37	86%	0	0%
Energetics Gas Limited	24	22	92%	2	8%
Arqiva Ltd	2	1	50%	0	0%
UNITED UTILITIES WATER LIMITED	2524	2288	91%	20	1%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	715	628	88%	11	2%
BT	854	755	88%	20	2%
TAMESIDE COUNCIL	1677	1477	88%	70	4%
ELECTRICITY NORTH WEST	1118	936	84%	11	1%
SCOTTISH POWER (MANWEB)	1	1	100%	0	0%
National Grid Electric PLC	1	1	100%	0	0%
Vodafone	9	9	100%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	88	68	77%	2	2%
VIRGIN MEDIA	2653	2395	90%	92	3%
Telefonica (O2 (UK) Limited)	2	2	100%	0	0%
Transport for Greater Manchester	165	146	88%	1	1%
Romec	29	14	48%	6	21%
GTC	8	7	88%	0	0%
T-Mobile (UK) Limited	13	10	77%	0	0%
ES Pipelines Ltd	23	9	39%	5	22%
Energetics Electricity Limited	14	11	79%	1	7%
Fulcrum Pipelines Limited	23	14	61%	3	13%
ESP Electricity Ltd	4	4	100%	0	0%
Energetics Gas Limited	3	3	100%	0	0%
Energy Assets Networks Ltd	1	1	100%	0	0%
Fulcrum Electrical Assets Limited	22	11	50%	7	32%
UNITED UTILITIES WATER LIMITED	3183	2907	91%	33	1%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – TRAFFORD

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1434	1360	95%	28	2%
BT	678	633	93%	35	5%
TRAFFORD COUNCIL	214	175	82%	15	7%
ELECTRICITY NORTH WEST	1012	939	93%	8	1%
SCOTTISH POWER (MANWEB)	17	16	94%	0	0%
COLT TELECOMMUNICATIONS	10	7	70%	1	10%
Vodafone	55	47	85%	4	7%
NETWORK RAIL -PROMOTERS NATIONAL	16	16	100%	0	0%
VIRGIN MEDIA	1464	1374	94%	40	3%
Telefonica (O2 (UK) Limited)	19	16	84%	1	5%
CenturyLink Communications UK Limited	9	8	89%	0	0%
Transport for Greater Manchester	222	200	90%	9	4%
GTC	3	3	100%	0	0%
Orange PCS Group	1	1	100%	0	0%
Zayo Group UK Ltd (formerly AboveNet)	3	3	100%	0	0%
INSTALCOM on behalf of Gamma Telecom	33	30	91%	3	9%
SSE DATACOM	2	2	100%	0	0%
T-Mobile (UK) Limited	35	32	91%	0	0%
ES Pipelines Ltd	10	7	70%	2	20%
Energetics Electricity Limited	4	2	50%	0	0%
Fulcrum Pipelines Limited	24	23	96%	0	0%
GEO	5	4	80%	1	20%
EUNETWORKS FIBER UK LTD	91	57	63%	27	30%
CityFibre	34	29	85%	4	12%
Hyperoptic Ltd	13	9	69%	4	31%
UNITED UTILITIES WATER LIMITED	2706	2571	95%	21	1%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1247	1156	93%	24	2%
BT	1284	1185	92%	32	2%
TRAFFORD COUNCIL	75	68	91%	0	0%
ELECTRICITY NORTH WEST	1008	924	92%	9	1%
SCOTTISH POWER (MANWEB)	26	25	96%	0	0%
National Grid Electric PLC	1	1	100%	0	0%
COLT TELECOMMUNICATIONS	10	10	100%	0	0%
Vodafone	70	64	91%	0	0%
NETWORK RAIL -PROMOTERS NATIONAL	26	22	85%	0	0%
VIRGIN MEDIA	1565	1483	95%	23	1%
Telefonica (O2 (UK) Limited)	3	2	67%	0	0%
CenturyLink Communications UK Limited	2	2	100%	0	0%
Transport for Greater Manchester	225	189	84%	8	4%
Romec	2	2	100%	0	0%
GTC	2	2	100%	0	0%
Zayo Group UK Ltd (formerly AboveNet)	19	17	89%	1	5%
INSTALCOM on behalf of Gamma Telecom	51	45	88%	3	6%
T-Mobile (UK) Limited	20	17	85%	1	5%
ES Pipelines Ltd	8	6	75%	2	25%
Energetics Electricity Limited	30	27	90%	1	3%
Fulcrum Pipelines Limited	15	13	87%	0	0%
GEO	3	2	67%	0	0%
EUNETWORKS FIBER UK LTD	13	10	77%	1	8%
Energetics Gas Limited	5	4	80%	0	0%
CityFibre	27	17	63%	7	26%
Hyperoptic Ltd	10	7	70%	3	30%
UNITED UTILITIES WATER LIMITED	2629	2476	94%	34	1%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1465	1370	94%	32	2%
BT	1009	933	92%	38	4%
TRAFFORD COUNCIL	88	78	89%	5	6%
ELECTRICITY NORTH WEST	910	783	86%	47	5%
SCOTTISH POWER (MANWEB)	17	14	82%	2	12%
COLT TELECOMMUNICATIONS	17	13	76%	2	12%
Vodafone	78	72	92%	4	5%
NETWORK RAIL -PROMOTERS NATIONAL	19	19	100%	0	0%
VIRGIN MEDIA	1345	1271	94%	42	3%
CenturyLink Communications UK Limited	19	16	84%	2	11%
Transport for Greater Manchester	155	136	88%	11	7%
Romec	2	2	100%	0	0%
Clear Channel	20	15	75%	3	15%
GTC	10	7	70%	3	30%
Zayo Group UK Ltd (formerly AboveNet)	2	1	50%	1	50%
INSTALCOM on behalf of Gamma Telecom	5	5	100%	0	0%
SSE DATACOM	3	3	100%	0	0%
T-Mobile (UK) Limited	7	3	43%	4	57%
ES Pipelines Ltd	8	7	88%	0	0%
Energetics Electricity Limited	1	1	100%	0	0%
Fulcrum Pipelines Limited	17	16	94%	0	0%
GEO	37	25	68%	7	19%
CityFibre	8	4	50%	0	0%
Hyperoptic Ltd	32	30	94%	1	3%
UNITED UTILITIES WATER LIMITED	2765	2613	95%	49	2%

APPENDIX A – Performance Indicators – The number of permit & permit variation applications/granted/refused – WIGAN

Promoter (2016/17)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	2464	1976	80%	209	8%
BT	2128	1623	76%	281	13%
WIGAN COUNCIL	7981	7230	91%	207	3%
ELECTRICITY NORTH WEST	1340	997	74%	112	8%
Vodafone	55	32	58%	14	25%
NETWORK RAIL -PROMOTERS NATIONAL	65	52	80%	7	11%
VIRGIN MEDIA	3295	2743	83%	234	7%
Telefonica (O2 (UK) Limited)	7	3	43%	3	43%
Transport for Greater Manchester	221	184	83%	10	5%
Clear Channel	22	4	18%	8	36%
GTC	4	3	75%	0	0%
T-Mobile (UK) Limited	34	19	56%	8	24%
ES Pipelines Ltd	29	16	55%	8	28%
Energetics Electricity Limited	52	34	65%	8	15%
Fulcrum Pipelines Limited	34	20	59%	9	26%
Energetics Gas Limited	14	11	79%	1	7%
UNITED UTILITIES WATER LIMITED	5657	4287	76%	734	13%

Promoter (2017/18)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1688	1496	89%	86	5%
BT	2048	1707	83%	197	10%
WIGAN COUNCIL	12384	11512	93%	452	4%
ELECTRICITY NORTH WEST	1309	1075	82%	66	5%
Vodafone	47	30	64%	7	15%
NETWORK RAIL -PROMOTERS NATIONAL	50	38	76%	9	18%
VIRGIN MEDIA	3863	3531	91%	128	3%
Telefonica (O2 (UK) Limited)	1	1	100%	0	0%
Transport for Greater Manchester	162	138	85%	3	2%
Romec	1	1	100%	0	0%
GTC	9	6	67%	1	11%
T-Mobile (UK) Limited	23	16	70%	5	22%
ES Pipelines Ltd	76	59	78%	9	12%
Energetics Electricity Limited	26	21	81%	0	0%
Fulcrum Pipelines Limited	19	11	58%	5	26%
Energetics Gas Limited	17	12	71%	4	24%
Arqiva Ltd	11	7	64%	3	27%
UNITED UTILITIES WATER LIMITED	4710	4129	88%	283	6%

Promoter (2018/19)	Permit App. /Var.	Permit App. Granted	Percentage Granted	Permit App. Refused	Percentage Refused
Cadent Gas Limited	1483	1320	89%	97	7%
BT	1844	1655	90%	117	6%
WIGAN COUNCIL	10231	9498	93%	449	4%
ELECTRICITY NORTH WEST	1419	1118	79%	126	9%
Vodafone	17	14	82%	3	18%
NETWORK RAIL -PROMOTERS NATIONAL	14	13	93%	1	7%
VIRGIN MEDIA	2819	2611	93%	98	3%
Telefonica (O2 (UK) Limited)	7	6	86%	1	14%
Transport for Greater Manchester	201	179	89%	11	5%
Romec	13	10	77%	2	15%
Clear Channel	22	13	59%	5	23%
GTC	1	1	100%	0	0%
T-Mobile (UK) Limited	9	7	78%	1	11%
ES Pipelines Ltd	22	16	73%	4	18%
Energetics Electricity Limited	94	61	65%	21	22%
Fulcrum Pipelines Limited	48	33	69%	11	23%
ESP Electricity Ltd	21	13	62%	4	19%
Energetics Gas Limited	35	31	89%	4	11%
Arqiva Ltd	7	6	86%	1	14%
Energy Assets Networks Ltd	6	5	83%	1	17%
Fulcrum Electrical Assets Limited	8	6	75%	2	25%
UNITED UTILITIES WATER LIMITED	4616	4125	89%	242	5%

APPENDIX A – Number of early starts granted by authority

	Bolton Council			Bury Council			Manchester Council			Oldham Council			Rochdale Council			Salford Council			Stockport Council			Tameside Council			Trafford Council			Wigan Council		
	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19
Arqiva Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Bolton Council	105	383	1311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BT	92	99	49	48	32	39	79	60	126	44	28	73	58	35	26	47	19	235	50	45	22	25	17	12	32	115	29	132	86	52
Bury Council	0	0	0	137	134	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadent Gas Limited	140	125	177	62	79	140	237	198	186	87	32	25	115	37	29	133	127	168	144	55	105	65	36	14	131	105	143	211	119	80
CenturyLink Communications UK Limited	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
CityFibre	0	0	0	0	0	0	18	5	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	5	1	0	0	0	0
Clear Channel	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
COLT TELECOMMUNICATIONS	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3	0	0	0
Concept Solutions People Ltd	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY NORTH WEST	40	67	116	38	36	44	172	255	269	53	60	61	116	75	62	40	99	149	80	159	125	52	67	110	56	105	96	102	81	121
Energetics Electricity Limited	0	0	3	11	2	5	3	10	8	5	5	5	2	10	11	10	6	11	3	2	1	1	2	1	1	7	0	10	4	12
Energetics Gas Limited	0	0	0	1	0	1	0	5	4	1	2	0	0	2	0	1	0	0	0	3	0	0	2	0	0	1	0	2	2	2
Energy Assests Networks Ltd	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ES Pipelines Ltd	1	0	2	3	1	0	0	4	0	3	0	4	3	0	2	6	3	2	3	2	2	8	2	0	0	0	0	3	15	1
ESP Electricity Ltd	1	0	0	0	0	0	0	0	2	8	1	5	3	2	0	1	0	1	1	0	0	2	0	2	0	0	0	0	0	1
EUNETWORKS FIBER UK LTD	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	3	1	0	0	0	0
Fulcrum Electrical Assets Limited	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Fulcrum Pipelines Limited	1	1	4	5	4	0	6	5	4	0	0	0	1	0	1	6	3	4	6	3	2	0	6	1	0	1	1	2	1	2
GEO	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
GTC	0	0	1	0	1	3	0	0	1	0	0	0	0	0	0	0	1	2	2	11	1	0	0	1	0	0	0	0	0	0
Harlaxton Energy Networks	0	0	0	0	0	0	0	0	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoptic Ltd	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
INSTALCOM on behalf of Gamma Telecom	0	0	0	0	0	0	13	20	11	0	0	0	0	0	0	13	24	1	0	0	0	0	0	0	4	10	2	0	0	0
Manchester Council	0	0	0	0	0	0	38	19	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National Grid Electric PLC	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	13	0	0	0	0	0	0	0	0	0
NETWORK RAIL -PROMOTERS NATIONAL	2	7	4	0	0	0	20	9	11	0	0	2	1	0	0	14	11	5	6	7	3	5	3	12	0	0	0	4	2	0
Oldham Council	0	0	0	0	0	0	0	0	0	501	1025	623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quickline Communications Ltd	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rochdale Council	0	0	0	0	0	0	0	0	0	0	0	0	32	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Romec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Salford Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	417	446	406	0	0	0	0	0	0	0	0	0	0	0	0
SCOTTISH POWER (MANWEB)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stockport Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	747	603	516	0	0	0	0	0	0	0	0	0
Tameside Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	224	242	0	0	0	0	0	0	0
Telefonica (O2 (UK) Limited)	3	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	0	0	0	0	0	0
T-Mobile (UK) Limited	4	1	2	1	2	1	2	2	0	1	2	0	1	1	0	0	0	1	2	2	2	2	0	1	2	0	0	0	2	0
Trafford Council	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	13	13	0	0	0
Transport for Greater Manchester	16	14	15	11	3	7	9	22	12	24	10	12	21	8	9	38	12	14	24	11	16	12	0	13	8	26	11	22	6	15
UNITED UTILITIES WATER LIMITED	57	93	79	73	77	56	127	105	173	96	85	101	41	62	49	109	85	105	111	117	120	52	48	59	85	57	55	132	107	97
VIRGIN MEDIA	206	32	34	214	313	69	212	225	183	240	234	49	34	213	292	75	35	14	72	38	17	45	52	245	63	20	6	84	70	15
Vodafone	4	9	1	3	2	5	13	8	6	0	1	3	1	1	1	7	4	15	6	0	4	2	1	1	1	2	2	3	2	1
Wigan Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2141	2507	1656
Zayo Group UK Ltd (formerly AboveNet)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0
TOTALS	672	832	1798	609	687	554	955	958	1058	1064	1485	963	431	449	487	945	880	1134	1258	1059	949	378	462	715	438	466	372	2848	3005	2057
Authorities Total	105	383	1311	137	134	183	38	19	43	501	1025	623	32	3	5	417	446	406	36	603	516	107	224	242	47	13	13	2141	2507	1656
Statutory Undertakers Totals	567	449	487	472	553	371	917	939	1015	563	460	340	399	446	482	528	434	728	1222	456	433	271	238	473	391	453	359	707	498	401

APPENDIX B – HAUC (England) TPI Measures – TPI1 Works Phases Started

	Bolton Council			Bury Council			Manchester Council			Oldham Council			Rochdale Council			Salford Council			Stockport Council			Tameside Council			Trafford Council			Wigan Council		
	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19
Arqiva Ltd	0	0	5	0	0	0	6	17	2	0	7	0	0	7	8	0	0	1	0	2	1	0	1	0	0	0	0	6	6	
BOLTON COUNCIL	1838	2643	5351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSkyB Telecommunications Services Ltd.	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
BT	1026	1101	1085	405	507	546	1142	1252	1651	719	679	829	709	680	635	668	731	3394	569	705	605	370	398	487	471	601	562	1212	1124	1110
BURY COUNCIL	0	0	0	369	549	1019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CABLE AND WIRELESS UK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cadent Gas Limited	812	834	822	466	485	528	1364	1185	1334	584	463	456	647	429	384	884	889	858	783	579	684	434	337	377	642	580	658	1030	824	772
CenturyLink Communications UK Limited	0	0	0	0	0	0	5	14	6	0	0	0	0	0	0	2	6	0	0	0	0	0	0	0	8	1	8	0	0	0
CityFibre	0	0	0	0	0	0	40	11	8	0	2	0	0	0	0	26	0	0	0	1	0	0	0	0	21	9	4	0	0	0
Clear Channel	0	8	2	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	13	5	0	11
COLT TELECOMMUNICATIONS	0	0	0	0	0	0	21	13	44	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	4	8	9	0	0	0
Concept Solutions People Ltd	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dept for Transport Stat Roads	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
ELECTRICITY NORTH WEST	577	665	716	340	381	385	1271	1287	1223	594	556	519	562	436	537	597	642	757	509	686	693	466	458	610	711	576	514	689	752	759
Energetics Electricity Limited	2	2	11	21	6	13	4	21	14	11	9	8	4	13	20	19	13	21	6	6	1	10	5	5	0	9	0	13	8	19
Energetics Gas Limited	0	0	1	4	2	1	0	19	14	0	3	1	0	5	0	2	0	0	0	5	3	2	10	1	0	2	0	4	5	11
Energy Assests Networks Ltd	0	0	1	0	0	0	0	0	6	0	0	7	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	2
ES Pipelines Ltd	6	4	4	10	3	0	14	14	6	8	0	5	14	7	9	8	9	5	3	4	5	14	2	6	7	3	2	8	27	8
ESP Electricity Ltd	1	0	1	0	0	2	0	2	22	8	6	20	4	2	2	1	0	2	1	1	1	3	0	2	0	0	0	0	0	7
EUNETWORKS FIBER UK LTD	0	0	0	0	0	0	28	18	2	0	0	0	0	0	0	17	4	0	0	0	0	0	0	0	47	8	0	0	0	0
Fibre Span Limited	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fulcrum Electrical Assets Limited	0	0	0	0	0	0	0	0	9	0	0	1	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	2
Fulcrum Pipelines Limited	10	13	17	11	10	4	33	41	35	5	3	3	9	6	5	21	14	16	11	16	11	4	12	11	12	8	10	10	8	14
GEO	0	0	0	0	0	1	0	1	4	1	1	0	0	0	0	1	3	0	0	0	0	0	0	0	3	2	24	0	0	0
GTC	4	0	7	4	2	6	2	10	18	1	2	0	6	9	6	2	5	5	6	16	15	1	1	6	1	2	2	2	5	1
H2O Networks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harlaxton Energy Networks	0	0	0	0	0	0	0	0	23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Highways England	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoptic Ltd	0	0	2	0	0	0	23	28	237	0	0	0	0	0	0	3	26	73	0	0	0	0	0	0	9	0	33	0	0	0
Independent Next Generation Networks Ltd	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Independent Pipelines Limited	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Independent Power Networks Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
InFocus Public Networks	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSTALCOM on behalf of Gamma Telecom	0	0	0	0	0	0	29	80	56	0	0	0	0	0	0	28	65	4	1	0	0	0	0	0	14	28	4	0	0	0
ITS Technology Group	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IX Wireless Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kingston Communications (CSO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MANCHESTER COUNCIL	0	0	0	1	0	0	500	1130	3321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National Grid Electric PLC	0	1	1	0	1	0	0	0	0	0	1	0	0	2	0	0	1	1	0	4	45	0	0	1	0	1	0	0	0	0
NETWORK RAIL -PROMOTERS NATIONAL	23	55	28	0	0	0	123	158	132	1	5	10	18	17	21	83	75	45	23	39	37	30	23	43	9	15	13	33	42	11
OLDHAM COUNCIL	0	0	0	0	0	0	0	0	0	2185	4766	6231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange PCS Group	1	1	0	0	0	0	4	4	0	0	0	0	0	0	0	1	0	0	4	0	0	1	0	0	1	0	0	0	0	0
Quickline Communications Ltd	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCHDALE COUNCIL	0	0	0	0	0	0	0	0	0	0	0	0	1849	1462	744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Romec	1	2	10	0	0	3	1	7	7	1	1	1	0	1	4	0	3	1	1	1	4	0	2	7	0	1	2	0	1	6
SALFORD COUNCIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1422	3906	2538	0	0	0	0	0	0	0	0	0	0	0	0
SCOTTISH POWER (MANWEB)	0	0	0	0	0	0	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	21	9	0	0	0
SSE DATACOM	0	0	0	0	0	0	2	0	7	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	2	3	0	0	0	0
STOCKPORT COUNCIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0																

APPENDIX B – HAUC (England) TPI Measures – TPI2 Works Phases Completed

	Bolton Council			Bury Council			Manchester Council			Oldham Council			Rochdale Council			Salford Council			Stockport Council			Tameside Council			Trafford Council			Wigan Council		
	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19
Arqiva Ltd	0	0	5	0	0	0	6	17	2	0	7	0	0	7	8	0	0	1	0	2	1	0	1	0	0	0	0	6	6	
BOLTON COUNCIL	1838	2643	5351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSkyB Telecommunications Services Ltd.	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
BT	1026	1101	1085	405	507	546	1142	1252	1651	719	679	829	709	680	635	668	731	3394	569	705	605	370	398	487	471	601	562	1212	1124	1110
BURY COUNCIL	0	0	0	369	549	1019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CABLE AND WIRELESS UK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cadent Gas Limited	812	834	822	466	485	528	1364	1185	1334	584	463	456	647	429	384	884	889	858	783	579	684	434	337	377	642	580	658	1030	824	772
CenturyLink Communications UK Limited	0	0	0	0	0	0	5	14	6	0	0	0	0	0	0	2	6	0	0	0	0	0	0	0	8	1	8	0	0	0
CityFibre	0	0	0	0	0	0	40	11	8	0	2	0	0	0	0	26	0	0	0	1	0	0	0	0	21	9	4	0	0	0
Clear Channel	0	8	2	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	13	5	0	11
COLT TELECOMMUNICATIONS	0	0	0	0	0	0	21	13	44	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	4	8	9	0	0	0
Concept Solutions People Ltd	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dept for Transport Stat Roads	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0
ELECTRICITY NORTH WEST	577	665	716	340	381	385	1271	1287	1223	594	556	519	562	436	537	597	642	757	509	686	693	466	458	610	711	576	514	689	752	759
Energetics Electricity Limited	2	2	11	21	6	13	4	21	14	11	9	8	4	13	20	19	13	21	6	6	1	10	5	5	0	9	0	13	8	19
Energetics Gas Limited	0	0	1	4	2	1	0	19	14	0	3	1	0	5	0	2	0	0	0	5	3	2	10	1	0	2	0	4	5	11
Energy Assests Networks Ltd	0	0	1	0	0	0	0	0	6	0	0	7	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	2
ES Pipelines Ltd	6	4	4	10	3	0	14	14	6	8	0	5	14	7	9	8	9	5	3	4	5	14	2	6	7	3	2	8	27	8
ESP Electricity Ltd	1	0	1	0	0	2	0	2	22	8	6	20	4	2	2	1	0	2	1	1	1	3	0	2	0	0	0	0	0	7
EUNETWORKS FIBER UK LTD	0	0	0	0	0	0	28	18	2	0	0	0	0	0	0	17	4	0	0	0	0	0	0	0	47	8	0	0	0	0
Fibre Span Limited	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fulcrum Electrical Assets Limited	0	0	0	0	0	0	0	0	9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	2
Fulcrum Pipelines Limited	10	13	17	11	10	4	33	41	35	5	3	3	9	6	5	21	14	16	11	16	11	4	12	11	12	8	10	10	8	14
GEO	0	0	0	0	0	1	0	1	4	1	1	0	0	0	0	1	3	0	0	0	0	0	0	0	3	2	24	0	0	0
GTC	4	0	7	4	2	6	2	10	18	1	2	0	6	9	6	2	5	5	6	16	15	1	1	6	1	2	2	2	5	1
H2O Networks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harlaxton Energy Networks	0	0	0	0	0	0	0	0	23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Highways England	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoptic Ltd	0	0	2	0	0	0	23	28	237	0	0	0	0	0	0	3	26	73	0	0	0	0	0	0	9	0	33	0	0	0
Independent Next Generation Networks Ltd	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Independent Pipelines Limited	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Independent Power Networks Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
InFocus Public Networks	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSTALCOM on behalf of Gamma Telecom	0	0	0	0	0	0	29	80	56	0	0	0	0	0	0	28	65	4	1	0	0	0	0	0	14	28	4	0	0	0
ITS Technology Group	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IX Wireless Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kingston Communications (CSO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MANCHESTER COUNCIL	0	0	0	1	0	0	500	1130	3321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National Grid Electric PLC	0	1	1	0	1	0	0	0	0	0	1	0	0	2	0	0	1	1	0	4	45	0	0	1	0	1	0	0	0	0
NETWORK RAIL -PROMOTERS NATIONAL	23	55	28	0	0	0	123	158	132	1	5	10	18	17	21	83	75	45	23	39	37	30	23	43	9	15	13	33	42	11
OLDHAM COUNCIL	0	0	0	0	0	0	0	0	0	2185	4766	6231	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orange PCS Group	1	1	0	0	0	0	4	4	0	0	0	0	0	0	0	1	0	0	4	0	0	1	0	0	1	0	0	0	0	0
Quickline Communications Ltd	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCHDALE COUNCIL	0	0	0	0	0	0	0	0	0	0	0	0	1849	1462	744	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Romec	1	2	10	0	0	3	1	7	7	1	1	1	0	1	4	0	3	1	1	1	4	0	2	7	0	1	2	0	1	6
SALFORD COUNCIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1422	3906	2538	0	0	0	0	0	0	0	0	0	0	0	0
SCOTTISH POWER (MANWEB)	0	0	0	0	0	0	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	21	9	0	0	0
SSE DATACOM	0	0	0	0	0	0	2	0	7	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	2	3	0	0	0
STOCKPORT COUNCIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0																

APPENDIX B – HAUC (England) TPI3 Measures

	TPI3 - Days of Occupancy					
	2016/17		2017/18		2018/19	
	Authority	Undertaker	Authority	Undertaker	Authority	Undertaker
BOLTON COUNCIL						
EMERGENCY	2194	3626	2239	3624	4440	2964
MAJOR	9374	4400	3597	5013	5210	4895
MINOR	9955	32603	14368	35331	19554	34824
STANDARD	7190	13357	4743	12059	5507	11751
URGENT	1036	17795	1132	18138	1106	19058
BURY COUNCIL						
EMERGENCY	15911	3357	21079	3147	25271	3447
MAJOR	5357	2087	6300	4951	6779	3195
MINOR	45756	11276	51247	13200	57161	12390
STANDARD	16028	8293	16282	6539	18768	6292
URGENT	0	13392	0	13181	4	14615
MANCHESTER COUNCIL						
EMERGENCY	6417	10039	10372	10015	14835	9089
MAJOR	51911	30986	60279	31946	96525	32303
MINOR	25929	40013	36971	46036	61006	48135
STANDARD	15075	23516	21755	27509	21531	23760
URGENT	2501	37822	3839	35642	6644	36266
OLDHAM COUNCIL						
EMERGENCY	2277	6616	1046	6756	1143	7163
MAJOR	17336	11165	14369	7763	19239	6472
MINOR	14449	16171	24043	18041	27390	16974
STANDARD	25790	13446	23476	13008	24378	12414
URGENT	46812	23170	14437	20913	14494	22809
ROCHDALE COUNCIL						
EMERGENCY	8909	2936	8295	2857	10659	3495
MAJOR	155880	5158	154587	8213	154862	7095
MINOR	32072	16185	27756	16076	8416	16966
STANDARD	5070	5268	4476	5059	226	5701
URGENT	18961	17643	6802	17088	7571	19943
SALFORD COUNCIL						
EMERGENCY	49304	7005	44472	7048	51118	6427
MAJOR	20059	4218	23841	6353	27268	4159
MINOR	9880	15411	24263	17551	16888	23412
STANDARD	8861	6339	7948	7299	9920	7561
URGENT	0	14322	0	13457	0	11545
STOCKPORT COUNCIL						
EMERGENCY	25859	7473	41682	8005	36333	7353
MAJOR	26841	9878	33816	9360	47684	8400
MINOR	264433	31816	137423	34131	65561	34166
STANDARD	27761	16775	32942	17988	37081	18844
URGENT	526	28539	2861	28892	926	28884
TAMESIDE COUNCIL						
EMERGENCY	1902	1812	4551	1140	6902	1703
MAJOR	8227	3859	10043	2957	13123	6227
MINOR	2326	8890	2882	9891	5508	12314
STANDARD	4558	4612	8978	5274	13790	8381
URGENT	370	10933	442	11069	1985	16453
TRAFFORD COUNCIL						
EMERGENCY	5410	7058	7390	6915	8030	6083
MAJOR	5828	8919	6187	15638	7008	12937
MINOR	6586	19675	6575	20201	6571	21067
STANDARD	1069	12061	468	12426	365	10572
URGENT	4165	14593	6179	14574	6570	13429
WIGAN COUNCIL						
EMERGENCY	116464	7806	119150	7275	121549	7470
MAJOR	18914	12257	24869	10392	26332	8645
MINOR	17083	32873	23602	34622	48871	34725
STANDARD	22213	17911	21398	17157	25162	17310
URGENT	1833	17720	2137	16509	3979	17559

APPENDIX B – HAUC (England) TPI4 Measures

	TPI4 - Average Duration of Completed Works Phases					
	2016/17		2017/18		2018/19	
	Authority	Undertaker	Authority	Undertaker	Authority	Undertaker
BOLTON COUNCIL						
EMERGENCY	14.0	3.0	23.6	4.1	10.7	11.2
MAJOR	71.6	24.6	44.1	22.3	34.6	22.1
MINOR	1.7	2.4	1.9	2.3	1.4	2.5
STANDARD	11.9	9.3	7.4	9.3	9.0	8.2
URGENT	14.3	3.4	18.5	3.3	3.7	4.7
BURY COUNCIL						
EMERGENCY	3.9	2.9	2.6	4.6	3.9	7.1
MAJOR	26.3	13.5	45.3	19.5	44.8	21.1
MINOR	3.5	2.4	2.4	2.9	1.7	2.6
STANDARD	12.0	23.0	9.3	9.2	11.9	10.7
URGENT	0.0	5.3	0.0	5.3	1.3	5.7
MANCHESTER COUNCIL						
EMERGENCY	2.4	4.9	3.5	4.3	3.1	8.0
MAJOR	12.2	16.2	12.6	26.4	74.0	25.7
MINOR	2.6	2.6	3.3	2.7	3.8	2.8
STANDARD	9.0	14.5	9.5	10.1	5.8	11.1
URGENT	1.8	4.7	2.9	3.8	1.9	5.7
OLDHAM COUNCIL						
EMERGENCY	1.6	2.9	2.5	3.0	1.7	6.5
MAJOR	125.5	21.5	61.5	20.0	80.2	20.0
MINOR	2.8	2.1	2.8	2.1	2.9	2.8
STANDARD	15.9	8.0	9.6	9.1	12.7	9.6
URGENT	13.5	4.6	7.2	4.0	7.0	5.3
ROCHDALE COUNCIL						
EMERGENCY	1.2	2.9	1.0	3.3	28.3	6.2
MAJOR	89.0	10.4	73.3	15.6	747.8	24.1
MINOR	2.4	2.8	1.6	2.0	1.3	2.9
STANDARD	6.7	10.1	7.5	9.2	7.0	10.1
URGENT	0.0	4.3	0.0	4.7	3.0	5.7
SALFORD COUNCIL						
EMERGENCY	12.4	5.7	13.3	5.4	58.1	11.8
MAJOR	60.5	19.8	38.8	21.8	37.1	20.9
MINOR	3.4	2.4	5.2	2.0	4.5	2.3
STANDARD	22.1	13.2	13.3	8.4	13.6	9.1
URGENT	0.0	4.5	0.0	4.0	0.0	4.5
STOCKPORT COUNCIL						
EMERGENCY	3.2	5.6	8.4	20.3	20.2	7.5
MAJOR	30.1	19.1	59.9	18.7	70.1	19.2
MINOR	1.8	2.8	1.7	3.1	1.6	2.6
STANDARD	10.5	10.1	9.3	8.9	10.5	10.2
URGENT	4.3	4.2	8.0	4.2	0.0	5.6
TAMESIDE COUNCIL						
EMERGENCY	14.8	4.3	9.6	4.9	26.8	6.9
MAJOR	13.4	17.7	20.4	27.0	20.8	25.2
MINOR	6.5	2.6	2.7	2.5	8.8	2.9
STANDARD	10.6	10.1	11.9	10.5	13.0	12.2
URGENT	2.5	4.9	0.0	5.2	9.0	6.1
TRAFFORD COUNCIL						
EMERGENCY	0.0	3.8	0.0	6.2	0.0	10.3
MAJOR	337.0	23.3	110.0	56.2	17.8	60.4
MINOR	5.3	2.5	2.5	2.5	1.0	2.9
STANDARD	12.3	11.5	5.7	11.1	0.0	11.7
URGENT	0.0	3.9	0.0	4.9	0.0	6.4
WIGAN COUNCIL						
EMERGENCY	1.1	6.9	1.7	3.3	4.1	7.7
MAJOR	17.9	14.1	44.6	15.0	19.8	19.5
MINOR	2.6	2.8	1.2	2.4	1.5	2.4
STANDARD	12.4	20.8	13.0	9.1	12.4	10.1
URGENT	4.0	4.1	2.0	4.7	5.0	4.0

APPENDIX B – HAUC (England) TPI Measures – Works phases completed after the reasonable period

	Bolton Council			Bury Council			Manchester Council			Oldham Council			Rochdale Council			Salford Council			Stockport Council			Tameside Council			Trafford Council			Wigan Council		
	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19
Bolton Council	14	45	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BT	5	12	7	1	1	1	7	8	11	2	2	3	0	3	3	4	3	10	3	5	4	1	4	2	1	2	1	3	9	6
Bury Council	0	0	0	15	51	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadent Gas Limited	34	31	21	10	12	5	17	21	22	8	5	8	1	6	3	17	29	13	14	27	10	16	4	2	9	3	2	4	2	4
CenturyLink Communications UK Limited	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CityFibre	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY NORTH WEST	1	1	5	0	0	0	3	5	10	0	0	1	18	5	2	6	5	5	1	0	0	0	1	2	1	0	2	1	0	0
Energetics Electricity Limited	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ES Pipelines Ltd	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
ESP Electricity Ltd	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fulcrum Pipelines Limited	1	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
GTC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Manchester Council	0	0	0	0	0	0	49	95	301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NETWORK RAIL -PROMOTERS NATIONAL	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oldham Council	0	0	0	0	0	0	0	0	0	17	20	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rochdale Council	0	0	0	0	0	0	0	0	0	0	0	0	3	8	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salford Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	41	29	0	0	0	0	0	0	0	0	0	0	0	0
Stockport Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	198	232	128	0	0	0	0	0	0	0	0	0
TAMESIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	101	236	0	0	0	0	0	0	0
TRAFFORD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Transport for Greater Manchester	1	5	2	1	0	2	12	4	11	2	1	0	0	1	0	6	3	0	0	2	1	3	2	2	2	1	7	1	2	2
UNITED UTILITIES WATER LIMITED	8	13	26	4	4	2	18	23	50	0	10	9	12	11	11	10	13	34	14	17	11	6	5	6	0	0	1	1	3	5
VIRGIN MEDIA	2	0	0	0	3	1	9	7	5	5	10	0	1	3	4	6	4	0	5	3	1	0	1	4	1	1	0	3	3	1
Vodafone	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Wigan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	57	75

APPENDIX B – HAUC (England) TPI Measures – Deemed Permit Applications

	Bolton Council			Bury Council			Manchester Council			Oldham Council			Rochdale Council			Salford Council			Stockport Council			Tameside Council			Trafford Council			Wigan Council		
	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19
BT	0	1	1	1	0	0	4	5	13	0	0	0	3	4	0	0	1	0	0	1	0	0	13	4	0	1	2	0	0	4
Bury Council	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadent Gas Limited	0	0	0	0	1	1	6	6	15	3	0	0	1	0	0	0	0	0	0	1	0	1	11	3	0	4	1	1	0	0
CenturyLink Communications UK Limited	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY NORTH WEST	0	0	1	1	2	1	3	3	17	0	2	0	4	4	0	0	0	1	0	0	1	2	12	4	0	2	0	0	0	0
ES Pipelines Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
ESP Electricity Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
EUNETWORKS FIBER UK LTD	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fulcrum Pipelines Limited	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Hyperoptic Ltd	0	0	0	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Manchester Council	0	0	0	0	0	0	1	3	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National Grid Gas Distribution Limited	0	0	0	1	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
NETWORK RAIL -PROMOTERS NATIONAL	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Oldham Council	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Rochdale Council	0	0	0	0	0	0	0	0	0	0	0	0	59	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salford Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Stockport Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	70	0	0	0	0	0	0	0	0	0
Tameside Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	7	0	0	0	0	0	0
T-Mobile (UK) Limited	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Transport for Greater Manchester	0	0	0	0	0	0	1	0	13	0	0	0	0	0	2	0	0	0	0	0	0	3	3	0	0	0	1	0	0	0
UNITED UTILITIES WATER LIMITED	0	0	2	1	0	5	7	10	26	2	1	0	15	8	1	1	0	0	0	0	0	6	23	5	1	11	1	1	2	10
Verizon Business Ltd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
VIRGIN MEDIA	1	1	1	1	1	0	2	3	20	3	0	0	11	3	2	0	0	0	0	2	1	0	10	6	1	6	1	0	0	14
Vodafone	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wigan Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68

APPENDIX B – HAUC (England) TPI Measures – Works completed with phase 1 permanent resintatement

	Bolton Council			Bury Council			Manchester Council			Oldham Council			Rochdale Council			Salford Council			Stockport Council			Tameside Council			Trafford Council			Wigan Council		
	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19	16/17	17/18	18/19
Arqiva Ltd	0	0	3	0	0	0	4	6	0	0	5	0	0	6	5	0	0	0	0	2	1	0	1	0	0	0	0	0	2	4
BSkyB Telecommunications Services Ltd.	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
BT	643	673	647	238	363	336	720	815	956	460	437	442	479	473	374	376	376	1714	399	524	419	286	290	334	344	454	378	796	761	790
CABLE AND WIRELESS UK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadent Gas Limited	622	647	627	370	414	445	1043	993	1039	446	379	400	448	325	320	527	559	552	626	496	600	373	292	343	552	503	526	801	652	645
CenturyLink Communications UK Limited	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0
CityFibre	0	0	0	0	0	0	6	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	2	0	0	0	0
Clear Channel	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0
COLT TELECOMMUNICATIONS	0	0	0	0	0	0	4	1	12	0	0	0	0	0	0	0	0	5	0	0	0	0	0	4	8	3	0	0	0	0
Concept Solutions People Ltd	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dept for Transport Stat Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
ELECTRICITY NORTH WEST	463	515	530	296	326	330	1083	1087	1033	505	490	430	494	363	445	477	482	535	430	582	587	437	399	526	644	493	413	532	604	598
Energetics Electricity Limited	2	0	6	13	4	8	3	10	7	5	7	6	1	11	15	12	8	17	5	4	1	6	4	2	0	5	0	7	6	13
Energetics Gas Limited	0	0	1	4	2	0	0	10	8	0	2	1	0	2	0	2	0	0	0	3	0	0	2	1	0	2	0	4	3	9
Energy Assests Networks Ltd	0	0	1	0	0	0	0	0	4	0	0	3	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	2
ES Pipelines Ltd	0	2	1	5	3	0	12	10	5	5	0	2	6	5	5	3	6	3	3	2	4	11	1	3	3	3	1	6	22	7
ESP Electricity Ltd	1	0	1	0	0	2	0	0	2	7	4	5	3	1	1	1	0	2	1	1	1	1	0	1	0	0	0	0	0	5
EUNETWORKS FIBER UK LTD	0	0	0	0	0	0	21	5	2	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	43	3	0	0	0	0
Fulcrum Electrical Assets Limited	0	0	0	0	0	0	0	0	7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	1
Fulcrum Pipelines Limited	9	12	10	6	7	3	19	29	24	4	3	3	7	4	2	9	7	9	10	13	8	4	5	8	8	6	8	8	8	6
GEO	0	0	0	0	0	1	0	0	4	1	1	0	0	0	0	1	1	0	0	0	0	0	0	2	1	7	0	0	0	0
GTC	1	0	7	2	2	3	2	10	16	1	2	0	5	7	5	1	3	2	3	14	13	0	1	6	1	2	2	2	5	1
Harlaxton Energy Networks	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyperoptic Ltd	0	0	0	0	0	0	4	11	24	0	0	0	0	0	0	0	6	9	0	0	0	0	0	3	0	4	0	0	0	0
Independent Next Generation Networks Ltd	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
InFocus Public Networks	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INSTALCOM on behalf of Gamma Telecom	0	0	0	0	0	0	5	63	39	0	0	0	0	0	0	3	28	0	1	0	0	0	0	9	16	3	0	0	0	0
National Grid Electric PLC	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	12	0	0	0	0	0	0	0	0	0
NETWORK RAIL -PROMOTERS NATIONAL	0	2	0	0	0	0	2	1	6	0	2	0	2	1	0	1	0	0	0	0	0	4	3	0	1	0	0	0	0	0
Orange PCS Group	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quickline Communications Ltd	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Romec	0	2	8	0	0	3	1	7	6	1	1	0	0	1	4	0	2	1	1	1	4	0	2	7	0	1	2	0	1	6
SCOTTISH POWER (MANWEB)	0	0	0	0	0	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	17	7	0	0	0	0
SSE DATACOM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0
Telefonica (O2 (UK) Limited)	3	1	1	2	0	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	1	4	0	0	0	0	0
T-Mobile (UK) Limited	7	2	7	4	2	0	23	20	16	0	0	2	6	1	2	3	8	1	16	3	0	11	6	2	10	4	0	7	0	1
Transport for Greater Manchester	3	59	56	2	25	17	12	87	128	2	33	43	0	32	19	3	30	48	0	58	43	0	36	31	7	32	23	2	37	43
UNITED UTILITIES WATER LIMITED	1898	2006	2045	1269	1559	1782	2836	3010	3476	1640	1775	2086	1312	1331	1595	1485	1656	1729	2077	2575	2737	1366	1544	2024	1524	1584	1675	2192	2507	2855
Verizon Business Ltd	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
VIRGIN MEDIA	909	1407	935	373	671	335	960	2157	1363	588	900	471	383	692	647	556	1042	698	761	1697	1071	311	501	712	429	818	573	798	1511	886
Vodafone	4	12	10	4	2	4	29	43	52	4	3	5	1	3	0	24	13	23	9	5	10	0	0	0	14	26	20	7	9	2
Zayo Group UK Ltd (formerly AboveNet)	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	3	11	1	0	0	0

APPENDIX C – Annual collision rates attributed to roadworks

	Pre GMRAPS				GMRAPS				
	2010	2011	2012	2013	2014	2015	2016	2017	2018
Number of Greater Manchester collisions where ' <i>Road works present</i> ' recorded under <i>Special Site Conditions</i> (all severity)	77	63	49	33	57	47	52	66	67
% Greater Manchester Collisions where ' <i>Road works present</i> ' recorded under <i>Special Site Conditions</i> (all severity)	1.4%	1.2%	1.1%	0.9%	1.4%	1.5%	1.8%	1.6%	1.8%
Number of Greater Manchester collisions where ' <i>Temporary Road Layout</i> ' recorded as a contributory factor (all severity)	8	12	11	10	8	9	3	5	3
% Greater Manchester collisions where ' <i>Temporary Road Layout</i> ' recorded as a contributory factor (all severity)	0.1%	0.2%	0.3%	0.3%	0.2%	0.3%	0.1%	0.1%	0.1%
All GM collisions	5444	5127	4378	3861	4004	3073	2906	4066	3761

The table above shows the annual collisions recorded by GM Police and lists numbers relating to where 'roadworks' and 'temporary road layout' were recorded. There has been an increase where roadworks have been recorded and a decrease where temporary road layout has been recorded. There are many factors that could be attributed to collisions however authorities are aware of their duty to ensure the highway is kept safe therefore it is reasonable to assume that whilst permits applications are being scrutinised the safety of the planned activities will be paramount to authorities and permits will be refused if they feel works could be unsafe.

APPENDIX C – Category A (Works in Progress) performance figures

	High Risk Failure	Low Risk Failure	Pass	% of total failure
Bolton Council				
2016/17	68	14	521	15.7%
2017/18	23	2	537	4.7%
2018/19	77	3	497	16.1%
Bury Council				
2016/17	5	1	305	2.0%
2017/18	8	15	291	7.9%
2018/19	8	3	344	3.2%
Manchester Council				
2016/17	2	32	811	4.2%
2017/18	27	27	808	6.7%
2018/19	5	25	893	3.4%
Oldham Council				
2016/17	9	0	411	2.2%
2017/18	17	1	422	4.3%
2018/19	11	0	422	2.6%
Rochdale Council				
2016/17	29	17	392	11.7%
2017/18	29	30	340	17.4%
2018/19	52	43	300	31.7%
Salford Council				
2016/17	51	0	512	10.0%
2017/18	249	0	1227	20.3%
2018/19	199	0	873	22.8%
Stockport Council				
2016/17	1	4	563	0.9%
2017/18	0	1	421	0.2%
2018/19	0	0	403	0.0%
Tameside Council				
2016/17	4	0	403	1.0%
2017/18	4	1	295	1.7%
2018/19	2	7	307	2.9%
Trafford Council				
2016/17	0	0	486	0.0%
2017/18	1	0	493	0.2%
2018/19	0	1	471	0.2%
Wigan Council				
2016/17	3	1	777	0.5%
2017/18	2	2	809	0.5%
2018/19	4	1	741	0.7%

The table are known as Category A inspections carried out by the authority. These are taken when works are in progress and randomly selected for all statutory undertakers. Regulations state these must be no more than 10% of the statutory undertaker's planned works in a year for monitoring performance. The inspection should generally relate to the safety of works on site particular to the traffic management being used. The inspection can also allow the inspector to undertake other checks such as adhering to conditions of the permit. Failure for safety will result in the promoter being notified to make the site safe.

APPENDIX D – Reinstatement performance

Category B Inspections

	High Risk Failure	Low Risk Failure	Pass	% of total failure
Bolton Council				
2016/17	4	103	498	21.5%
2017/18	5	44	561	8.7%
2018/19	1	118	494	24.1%
Bury Council				
2016/17	1	12	292	4.5%
2017/18	0	14	296	4.7%
2018/19	0	18	336	5.4%
Manchester Council				
2016/17	7	109	743	15.6%
2017/18	2	87	787	11.3%
2018/19	1	66	881	7.6%
Oldham Council				
2016/17	0	22	401	5.5%
2017/18	0	23	416	5.5%
2018/19	0	14	446	3.1%
Rochdale Council				
2016/17	0	48	397	12.1%
2017/18	0	43	362	11.9%
2018/19	2	67	333	20.7%
Salford Council				
2016/17	2	288	2088	13.9%
2017/18	4	833	3414	24.5%
2018/19	2	955	2768	34.6%
Stockport Council				
2016/17	0	7	553	1.3%
2017/18	0	4	419	1.0%
2018/19	0	8	402	2.0%
Tameside Council				
2016/17	0	3	408	0.7%
2017/18	1	4	340	1.5%
2018/19	0	11	336	3.3%
Trafford Council				
2016/17	0	6	490	1.2%
2017/18	0	9	511	1.8%
2018/19	0	16	466	3.4%
Wigan Council				
2016/17	0	133	654	20.3%
2017/18	0	124	691	17.9%
2018/19	0	98	652	15.0%

The table is known as category B inspections which are carried out by the authority. These are taken when works are complete and the road reinstated, they must be taken within a six-month period from being complete. The inspections are used to monitor whether a statutory undertaker has reinstated the highway correctly. If failure is identified the undertaker must carry out remedial works. Failures can shorten the life of the highway.

APPENDIX D – Reinstatement performance

Category C Inspections

	High Risk Failure	Low Risk Failure	Pass	% of total failure
Bolton Council				
2016/17	0	36	580	6.2%
2017/18	0	43	608	7.1%
2018/19	1	66	533	12.6%
Bury Council				
2016/17	0	4	305	1.3%
2017/18	0	8	310	2.6%
2018/19	0	13	339	3.8%
Manchester Council				
2016/17	1	61	790	7.8%
2017/18	0	39	805	4.8%
2018/19	0	31	924	3.4%
Oldham Council				
2016/17	0	12	415	2.9%
2017/18	0	6	440	1.4%
2018/19	0	7	457	1.5%
Rochdale Council				
2016/17	0	36	410	8.8%
2017/18	0	17	387	4.4%
2018/19	0	28	375	7.5%
Salford Council				
2016/17	0	64	1545	4.1%
2017/18	1	354	2876	12.3%
2018/19	1	249	1568	15.9%
Stockport Council				
2016/17	0	8	541	1.5%
2017/18	0	10	405	2.5%
2018/19	0	3	403	0.7%
Tameside Council				
2016/17	0	4	408	1.0%
2017/18	0	4	344	1.2%
2018/19	0	4	345	1.2%
Trafford Council				
2016/17	0	7	493	1.4%
2017/18	0	10	511	2.0%
2018/19	0	17	470	3.6%
Wigan Council				
2016/17	0	74	716	10.3%
2017/18	0	76	743	10.2%
2018/19	0	62	695	8.9%

The table is known as category C inspections which are carried out by the authority. These are taken when works have been completed and the road reinstated, they must be taken within 3 months of the guarantee period ending in 2 years (3 years if the excavation was over 1.5 metres deep). The inspections are used to monitor whether a statutory undertaker has reinstated the highway correctly. If a failure is identified the undertaker must carry out remedial works. Failures can shorten the life of the highway.

APPENDIX E – Early start agreements

	High Risk Failure	
	Authority	Undertaker
Bolton Council		
2016/17	105	566
2017/18	383	449
2018/19	1311	487
Bury Council		
2016/17	137	472
2017/18	134	553
2018/19	183	371
Manchester Council		
2016/17	38	916
2017/18	19	939
2018/19	43	1015
Oldham Council		
2016/17	501	563
2017/18	1025	460
2018/19	623	340
Rochdale Council		
2016/17	32	399
2017/18	3	446
2018/19	5	482
Salford Council		
2016/17	417	528
2017/18	446	434
2018/19	406	728
Stockport Council		
2016/17	747	511
2017/18	603	456
2018/19	516	433
Tameside Council		
2016/17	107	271
2017/18	224	238
2018/19	242	473
Trafford Council		
2016/17	47	391
2017/18	13	453
2018/19	13	359
Wigan Council		
2016/17	2141	707
2017/18	2507	498
2018/19	1656	401

The table shows the amount of agreed requests for early starts split between the authority's own works and undertakers. There are statutory notice periods which are the minimum, and whenever possible, longer periods should be given. However, there may be circumstances where the authority and others concerned have no objection (or indeed, find it advantageous) to works proceeding before the end of the full prescribed notice period. In such cases authorities are advised that consent should be given to an early start.

APPENDIX F – Fixed Penalty Notices

Authority	Promoter	Breach of Conditions	Registration Offence (£70)	Works Start/ Stop (£74)	Working without Permit
Bolton	Authority	5	1	270	82
	Undertakers	466	732	1063	330
Bury	Authority	1	5	283	146
	Undertakers	415	280	379	178
Manchester	Authority	7	0	65	16
	Undertakers	426	531	903	238
Oldham	Authority	29	6	491	87
	Undertakers	339	464	398	190
Rochdale	Authority	2	17	35	84
	Undertakers	119	45	162	100
Salford	Authority	0	5	154	28
	Undertakers	523	399	570	215
Stockport	Authority	0	0	0	0
	Undertakers	37	54	265	73
Tameside	Authority	0	0	3	0
	Undertakers	39	139	318	96
Trafford	Authority	0	2	2	1
	Undertakers	17	43	185	10
Wigan	Authority	2	0	125	2
	Undertakers	27	212	515	148

The table shows the amount of agreed requests for early starts split between the authority's own works and undertakers. There are statutory notice periods which are the minimum, and whenever possible, longer periods should be given. However, there may be circumstances where the authority and others concerned have no objection (or indeed, find it advantageous) to works proceeding before the end of the full prescribed notice period. In such cases authorities are advised that consent should be given to an early start.

