Peak day, peak hour and postcode projections for Multinet Gas to 2026

VOLUME TWO

A report for
MULTINET GAS

Prepared by the
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While the National Institute endeavours to provide reliable forecasts and believes the material is accurate it will not be liable for any claim by any party acting on such information.

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1. Introduction

Multinet Gas (MG) requested the National Institute of Economic and Industry Research (NIEIR) to prepare forecasts for MG's upcoming 2018 to 2022 Gas Access Arrangement Review (GAAR). The forecasts were required for the following:

- natural gas consumption;
- natural gas demand; and
- customer numbers.

MG's study brief and forecasting requirements are reproduced below. NIEIR's reports for MG have been split into two volumes:

- Volume one contains forecasts and drivers and assumptions for natural gas consumption, MHQ and customer numbers by pricing zone to 2026; and
- Volume two contains Peak Day, Peak Hour and Postcode based projections of customers, volumes and MHQ to 2026.

MG's context and requirements were as follows.

1.1 Context

Under the National Gas Rules (**Rules**) (R 52(1)), MG is required to submit a Revised Access Arrangement for the 2018 to 2022 period to the Australian Energy Regulator (**AER**) by 30 December 2016. The Rules (Rule 72(1)(a)(iii)) require that for the 2018 to 2022 access arrangement period MG includes in its Access Arrangement Information (**AAI**):

> *Usage of the pipeline over the earlier access arrangement period showing:*
>
> *(A) For a distribution pipeline, minimum, maximum and average demand...; and*
>
> *(B) For a distribution pipeline, customer numbers in total and by tariff class...*

Demand forecasts are critical to MG's investment and expenditure decision making processes and Tariffs. In particular, MG requires:

- demand forecasts to prepare its demand-related capex (required to augment the system to meet forecast increases in network load growth);
- connection numbers by customer class to prepare its customer initiated capex (required to meet the needs of new or existing customers);
- customer numbers and energy usage to prepare 'rate of change' adjustment to be applied to base year opex. The 'rate of change' recognises opex impacts associated with growth in the network; and
- demand forecast to prepare its Reference Tariffs under a price cap form of regulation. This is because prices are determined by dividing total revenue by the demand forecasts.

To this end, MG is seeking assistance in preparing its demand forecasts for the next regulatory control period.

1.2 Rules' requirements

Rule 74 of sets out the requirements for preparing demand forecasts. It provides that:

> *(1) Information in the nature of a forecast or estimate must be supported by a statement of the basis of the forecast or estimate.*
>
> *(2) A forecast of estimate:*
>
> *(a) must be arrived at on a reasonable basis and*
>
> *(b) must represent the best forecast or estimate possible in the circumstances*

Rule 75 relates to inferred or derivative information and provides that:

> *Information in the nature of extrapolation or inference must be supported by the primary information on which the extrapolation or inference is based.*

In accordance with recent changes to the Rules, which place a greater emphasis on the importance of stakeholder engagement, MG may wish to engage with its customers and other stakeholders on its demand forecasts in the preparation of its Regulatory Proposal.

1.3 Output

The key work and deliverables are to prepare annual calendar year forecasts, for a 10 year period commencing 2017, for:

- natural gas consumption;
- natural gas demand; and
- customer numbers.

This should also include a forecast for the 2016 launch point.

The forecast requirements are set out in Section 5 below.

The report should set out:

- the forecasting method;
- model derivation i.e. functional form demonstrating how the demand forecasts were determined;
- key assumptions;
- sources for input variables (historical and forecast);
- explanatory variables – why some are included and others are excluded; and
- back-forecasts to verify the accuracy of the model.

The models used to prepare the forecasts should:

- be provided in a format and software which can be readily opened and operated by MG and the AER because transparency will be critical in the access review process. Excel is our preferred format;
- be structured in an understandable way – clearly separating:
    - assumptions, inputs, modelling and outputs;
    - inputs and calculations that relate to historical data and forecast data; and
    - sensitivity tests – these should be provided in separate tabs or files from the main top down forecasts.

Basic documentation should be provided to assist with operating and managing the model.

Consultants should describe how they are able to make the model transparent in order for the AER to run sensitivity analysis.

1.4 Forecast requirements

MG is seeking the consultant to prepare forecasts of:

- natural gas consumption by Tariff, Tariff band (i.e. usage block) and postcode for our region (inclusive and exclusive of unaccounted for gas (UAFG));
- Peak Day Demand (1 in 2 peak day) and Peak Hour Demand (1 in 2 peak hour) by Tariff (inclusive and exclusive of UAFG);
- Daily effective degree days (EDDs) index;
- net customer numbers by postcode and tariff; and
- annual Average Weighted Deviation Price (AWDP) which is used in the calculation of UAFG.

These forecasts should include high, medium and low scenarios. Forecast of consumption and demand should also be weather normalised[1].

MG's Tariff classification is summarised in Table 1.1 below. Further details can be found in the Multinet Gas 2016 Annual Tariff Report[2].

Table 1.1 Summary of MG's tariffs

Tariff classification	Definition	Basis for tariff
Tariff V Residential Metro	Residential Metro - Customers using less than 10,000 GJ per annum and less than 10 GJ MHQ	Fixed daily and variable charge (per GJ)
Tariff V Commercial Metro	Commercial Metro Customers using less than 10,000 GJ per annum and less than 10 GJ MHQ	Fixed daily and variable charge (per GJ)
Tariff V Residential Yarra Valley[3]	Residential Yarra Valley Customers using less than 10,000 GJ per annum and less than 10 GJ MHQ	Fixed daily and variable charge (per GJ)
Tariff V Commercial Yarra Valley[4]	Commercial Yarra Valley Customers using less than 10,000 GJ per annum and less than 10 GJ MHQ	Fixed daily and variable charge (per GJ)
Tariff V Residential South Gippsland	Residential South Gippsland Customers using less than 10,000 GJ per annum and less than 10 GJ MHQ	Fixed daily and variable charge (per GJ)
Tariff V Commercial South Gippsland	Commercial South Gippsland Customers using less than 10,000 GJ per annum and less than 10 GJ MHQ	Fixed daily and variable charge (per GJ)
Tariff D Metro	Metro Customers (inclusive Yarra Valley) using more than 10,000GJ a year or more than 10GJ MHQ.	Based on MHQ measured in (GJ) per hour.
Tariff D South Gippsland	South Gippsland Customers using more than 10,000GJ a year or more than 10GJ MHQ.	Based on MHQ measured in (GJ) per hour.
Tariff L	Customers using more than 1TJ per annum or less than 10TJ per annum and have less than and have a MHQ demand of less than 10GJ per hour.	Seasonal stepped usage change and two demand charges

[1] Include EDD (annual and peak day) standard used.

[2] Found at: https://uemg.com.au/media/46773/2016_mg_tariff_report.pdf.

[3] This should include the new connection at Warburton.

[4] This should include the new connection at Warburton.

MG is seeking the consultant to prepare the following forecasts:

(i) Consumption[5]

- For all tariff types:
  - annual consumption (GJ) for existing and new customers by base load and heating load (delineate by each category specified);
  - annual total consumption by tariff type and tariff band/usage block on a per month basis; and
  - annual total consumption by tariff type and by postcode.

Note that consumption forecasts for the following Tariffs should be based on billed linearised data:

- Tariff V – (i) Residential Metro (ii) Commercial Metro (iii) Residential Yarra Valley (iv) Commercial Yarra Valley (iv) Residential South Gippsland and (v) Commercial South Gippsland.

Consumption forecasts for the following Tariffs based on billed monthly data:

- Tariff L by usage band per month
- Tariff D – (i) Metropolitan and (ii) South Gippsland

(ii) Demand

- Tariff V and Tariff D:
  - MDQ TJ/day for Melbourne system withdrawal zone (SWZ) and South Gippsland; and
  - MHQ TJ/h for Melbourne SWZ and South Gippsland.
- For Tariff D (Metropolitan and South Gippsland separately) - annual total and monthly MHQ
- For Tariff L - annual total and monthly MHQ, and monthly rolling maximum demand on a 12 month basis.

(iii) Customer numbers

- For all Tariff types - annual new connections, disconnections/abolishments and net new customers (2018 split into first and second half of year).
- For all Tariff types – by postcode, annual total customer numbers (existing and net new customers) (2018 split into first and second half of year).

(iv) Weather

MG is also seeking a total annual and monthly forecast of the standard effective degree days (EDD) and peak day EDD together with an explanation of the forecast.

(v) Reconciliation to AEMO forecasts

The consultant should also provide a comparison and reconciliation of forecasts with those undertaken by the Australian Energy Market Operator (**AEMO**) with an explanation of the reasons for the differences.

[5] Units should be clarified for all consumption information and forecasts should clarify whether UAFG is included or excluded.

1.5 Key drivers of future gas demand and consumption

There are a range of factors impacting average future per customer demand, consumption and connection. Our demand forecasts should take these into account to ensure that, under a weighted average price cap, we have a reasonable opportunity to recover at least our efficient costs.

The approach to adjusting for these matters should be transparent and based on established principles/methods such as those used by AEMO in its National Gas Forecasting Report. The consultant should address the quantitative annual effect of the following (considering the impact of each at a Tariff category level) and any other impact that they identify as relevant:

- economic outlook for Australia, Victoria and MG's service area. This should address macroeconomic indicators including economic growth, population growth, new housing activity and the industrial outlook;
- price elasticity of demand;
- increasing retail/wholesale gas prices (including annual forecasts of retail/wholesale prices);
- cross price elasticity of demand/fuel substitution;
- increased penetration of competing energy sources and appliances;
- warming weather patterns (considering the monthly impacts), with a particular focus on winter in the MG region;
- government policy including incentives and energy efficiency initiatives;
- new technologies including appliance efficiency; and
- the introduction of cost reflective electricity network prices.

1.6 Data sources

MG will provide the necessary data about the business to inform the development of the forecasts and models. The consultant should provide a work plan, as part of its response to this RFP, which details timeframes and data requirements.

Consideration should be given to other data sources including:

- policy (e.g. environmental etc.);
- regulation;
- technology uptake (e.g. storage, EV);
- distributed generation uptake (e.g. solar PV);
- customer behaviour (elasticity, energy efficiency, demand management);
- electricity prices; and
- economic growth.

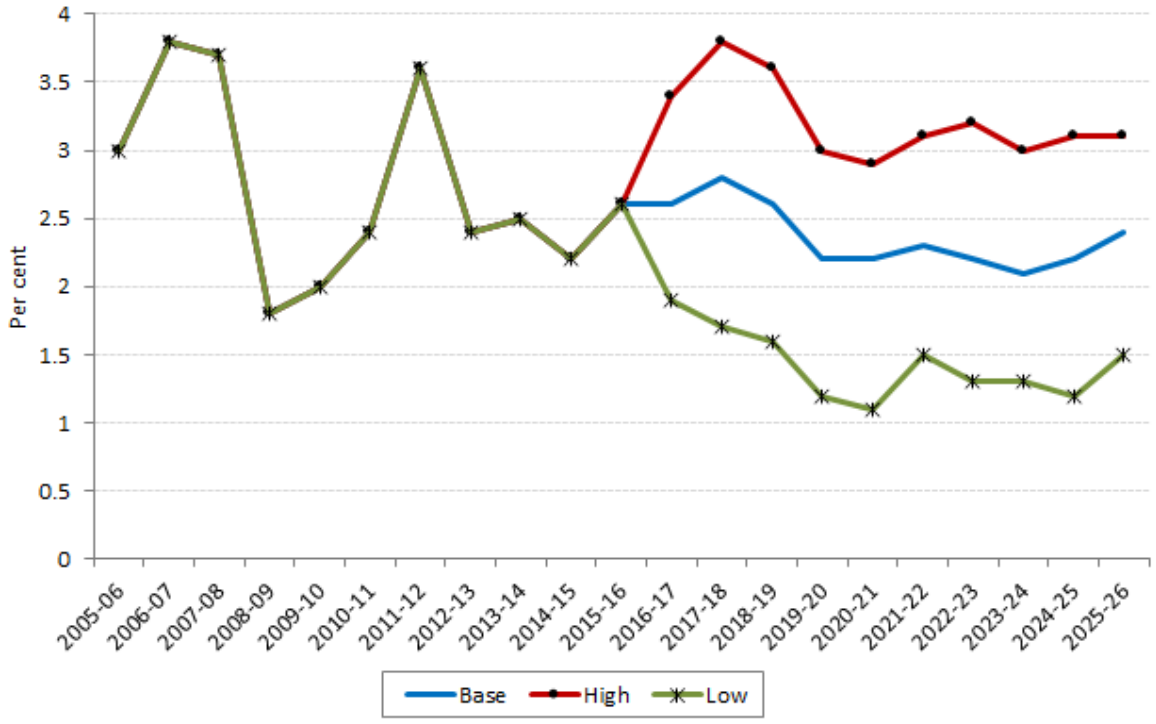
All data limitations or inconsistencies that may impact the quality of the analysis undertaken should be noted in the report.

2. The economic outlook for Australia and Victoria to 2025-26

2.1 Introduction

This section provides a brief overview of the economic outlook for Australia and Victoria to 2025-26. Additional details of the economic outlook for Australia and Victoria are contained in the Volume 1 report "*Natural gas, customer number and MHQ forecasts for Multinet Gas to 2026, Calendar year basis, Volume 1*". Figure 2.1 shows the outlook for Australian gross domestic product to 2025-26 by scenario. Table 2.1 shows the projected annual Australian GDP growth rates to 2025-26 for each of the scenarios. These economic forecasts were prepared in March 2016.

Figure 2.1: Australian GDP growth by scenario (annual per cent change)



Note: Financial years ending June.

Table 2.1 gives span growth rates across each scenario for Australian GDP growth. Figure 2.1 shows the graphical profile for the key high, low and medium scenarios. The cyclical profiles in Figure 2.1 reflect the cycle in the world economy.

Summary of national outlook

Up until recently, the Australian policy authorities expected Australia's long-term growth to be 3.5 per cent per annum. For the medium-term this has been revised down to 3.0 per cent. The reality is that it is likely to be closer to 2.0 than 3.0 per cent per annum.

This report expects "at best" a growth rate of 2.4 per cent. The contribution of private consumption expenditure and government consumption expenditure to economic growth will be half the contribution over the 2000 to 2012 period. This is due to household debt saturation and high, by recent historical standards, public sector deficits.

The positive contribution of dwelling investment to economic growth will end in 2017 and the contribution of total private investment will be near zero (that is, growing in line with GDP growth) for the post 2018 period.

The main driver of growth will be net exports flowing from the production flow-on effect from the recent mining boom and the general expansionary effects of a low exchange rate. However the stimulatory effects of a low exchange will be considerably less then what Australian policy authorities currently expect.

The meaning of "at best" indicates that the probabilities of an exchange rate crisis/banking crisis occurring sometime over the next few years is high with GDP falling by between 5 and 15 per cent. The "at best" means the outcome of this does not happen.

Population growth will slow to around 1.3 per cent per year as foreign immigration is cut back to between 180,000 to 200,000 per year as a result of a relatively low employment growth rate of 1.5 per cent per year.

The current account deficit will increase to 6% of GDP in the short-term and it will be difficult to reduce it from this level over the longer term. Unless there is a sharp improvement in Australia's terms of trade over the 2020s from what is expected in this reports projections, the modest 2.4 per cent GDP growth rate probably will not be feasible as net external debt as a per cent of GDP will approach 100 per cent.

Inflation will remain subdued on a long-run basis at around 2 per cent per annum.

Real interest rates are likely to increase in response to the widening current account deficit. However, in the absence of an exchange rate crisis, the deflationary impacts of interest rate rises will hold the nominal short-term interest rate to around 4 per cent.

Table 2.1 Projected Australian and Victorian GDP growth rate by scenario – 2005-06 to 2025-26						
	Australia			Victoria		
	Base	High	Low	Base	High	Low
Per cent change						
2005-06	3.0	3.0	3.0	1.8	1.8	1.8
2006-07	3.8	3.8	3.8	3.4	3.4	3.4
2007-08	3.7	3.7	3.7	3.4	3.4	3.4
2008-09	1.8	1.8	1.8	1.5	1.5	1.5
2009-10	2.0	2.0	2.0	1.8	1.8	1.8
2010-11	2.4	2.4	2.4	2.6	2.6	2.6
2011-12	3.6	3.6	3.6	2.0	2.0	2.0
2012-13	2.4	2.4	2.4	1.0	1.0	1.0
2013-14	2.5	2.5	2.5	2.2	2.2	2.2
2014-15	2.2	2.2	2.2	2.5	2.5	2.5
2015-16	2.6	2.6	2.6	2.8	2.8	2.8
2016-17	2.6	3.4	1.9	2.8	3.6	1.9
2017-18	2.8	3.8	1.7	2.5	3.3	1.7
2018-19	2.6	3.6	1.6	2.8	3.4	2.2
2019-20	2.2	3.0	1.2	2.0	2.9	1.1
2020-21	2.2	2.9	1.1	2.0	2.8	1.2
2021-22	2.3	3.1	1.5	2.6	3.4	1.9
2022-23	2.2	3.2	1.3	2.5	3.4	1.6
2023-24	2.1	3.0	1.3	2.3	3.1	1.3
2024-25	2.2	3.1	1.2	2.3	3.4	1.9
2025-26	2.4	3.1	1.5	2.4	3.3	1.8
Average annual compound growth rate (per cent)						
2015-16 to 2025-26	2.4	3.2	1.4	2.4	3.3	1.7
2015-16 to 2020-21	2.5	3.3	1.5	2.4	3.2	1.6
2020-21 to 2025-26	2.2	3.1	1.4	2.4	3.3	1.7

Source: NIEIR and ABS.

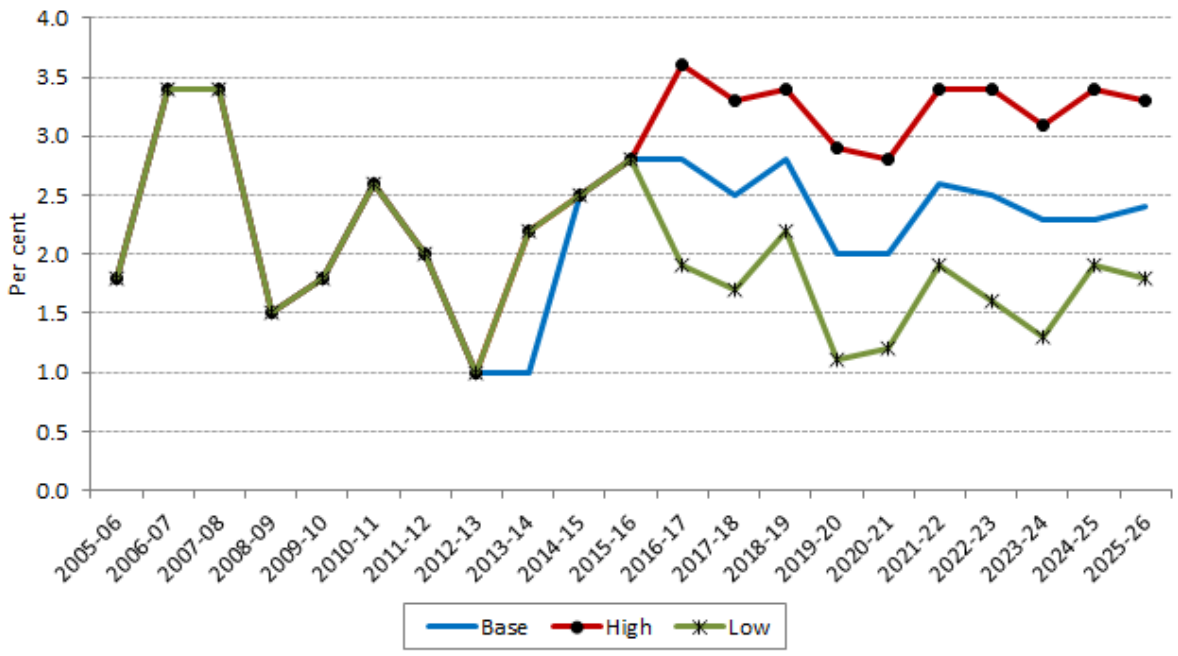
2.2 The economic outlook for Victoria to 2025-26

Figure 2.2 shows the outlook for Victorian GSP growth over the period to 2025-26 by scenario. Between 2015-16 and 2025-26 Victorian GSP growth is projected to average:

- 2.4 per cent per annum under the Base scenario;
- 3.2 per cent under the High scenario; and
- 1.6 per cent under the Low scenario.

Table 3.1 shows the projected annual economic growth rates projected for Australia and Victoria by scenario for the period 2005-06 to 2025-26.

Figure 2.2: Victorian GSP growth by scenario – 2005-06 to 2025-26



Source: NIEIR and ABS.

3. The outlook for the Multinet Gas region to 2026

This section outlines the baseline projections for population, gross regional product and other indicators for the Multinet Gas region to 2026.

3.1 The economic structure of the Multinet Gas region

Table 3.1 shows a snapshot of the Multinet Gas distribution area in terms of key economic indicators for 2014-15 compared to Victoria.

The main features of the Multinet Gas distribution region are:

- it has a resident population of 1.86 million persons representing 31.7 per cent of Victoria;
- it accounts for 32.3 per cent of total Victorian Gross State Product (GSP);
- it has 745,160 dwellings representing 30.7 per cent of total Victorian dwellings;
- it has large industry concentrations of wholesale and retail trade (40.9 per cent of Victoria), finance property and business services (35 per cent of Victoria) and public administration, defence and community services (32 per cent of Victoria);
- the primary industries (agriculture and mining) are quite small compared to Victoria; and
- the largest manufacturing industries in the Multinet Gas region are food, beverages and tobacco, basic chemicals and chemical product manufacturing, and machinery and equipment manufacturing.

Table 3.1 Regional economic structure – total Multinet Gas region – 2014-15					
	Multinet Gas		Victoria		Per cent share
Population ('000)		1867.2		5898.5	31.7
Dwelling stock ('000)		745.2		2428.2	30.7
	2013-14 $m	Share of industry in MG GRP	2013-14 $m	Shae of industry in VIC GRP	Share of industry in VIC GSP (%)
Agriculture, Forestry and Fishing	795.4	0.8	9706.5	3.1	8.2
Mining	533.8	0.5	5994.3	1.9	8.9
Food Beverage, Tobacco Product Manufacturing	2027.4	2.0	7048.7	2.2	28.8
Textiles, Clothing and Footwear	283.7	0.3	906.1	0.3	31.3
Wood Product Manufacturing	300.8	0.3	929.8	0.3	32.3
Pulp and Paper manufacturing	389.6	0.4	945.8	0.3	41.2
Basic Chemical and Chemical Product Manufacturing	2071.4	2.0	6404.1	2.0	32.3
Non-Metallic Mineral Product Manufacturing	604.2	0.6	1772.6	0.6	34.1
Primary Metal and Metal Product Manufacturing	96.9	0.1	352.4	0.1	27.5
Fabricated Metal Product Manufacturing	733.0	0.7	2067.4	0.7	35.5
Transport Equipment Manufacturing	1030.0	1.0	3438.3	1.1	30.0
Machinery and Equipment Manufacturing	1345.1	1.3	2741.7	0.9	49.1
Other Manufacturing Furniture Leather	493.9	0.5	1066.3	0.3	46.3
Electricity Gas and Water Supply	2220.3	2.2	9201.4	2.9	24.1
Construction	7316.0	7.2	24430.8	7.8	29.9
Wholesale and Retail Trade	16022.8	15.8	39132.5	12.5	40.9
Transport and Communication Services	8667.0	8.5	30756.9	9.8	28.2
Finance, Property Business Services	30812.1	30.4	88042.8	28.0	35.0
Public Administration, Defence and Community Services	19019.3	18.7	59485.2	18.9	32.0
Recreational, Personal Services, Accommodation	6696.6	6.6	19612.4	6.2	34.1
Total	**101459.3**	**100.0**	**314036.0**	**100.0**	**32.3**

3.2 Population

Multinet Gas resident population in 2014-15 was 1.86 million persons. By 2019-20, total population in the Multinet Gas region is expected to reach 1.96 million persons and by 2025-26, 2.08 million persons. Population growth averages 1.0 per cent per annum between 2015-16 and 2025-26 in the Multinet Gas region compared to a Victorian population growth rate of 1.4 per cent over the same period.

Figure 3.1 shows projected population growth rates for Multinet Gas and Victoria.

Figure 3.1: Population growth – Victoria and Multinet Gas – selected spans

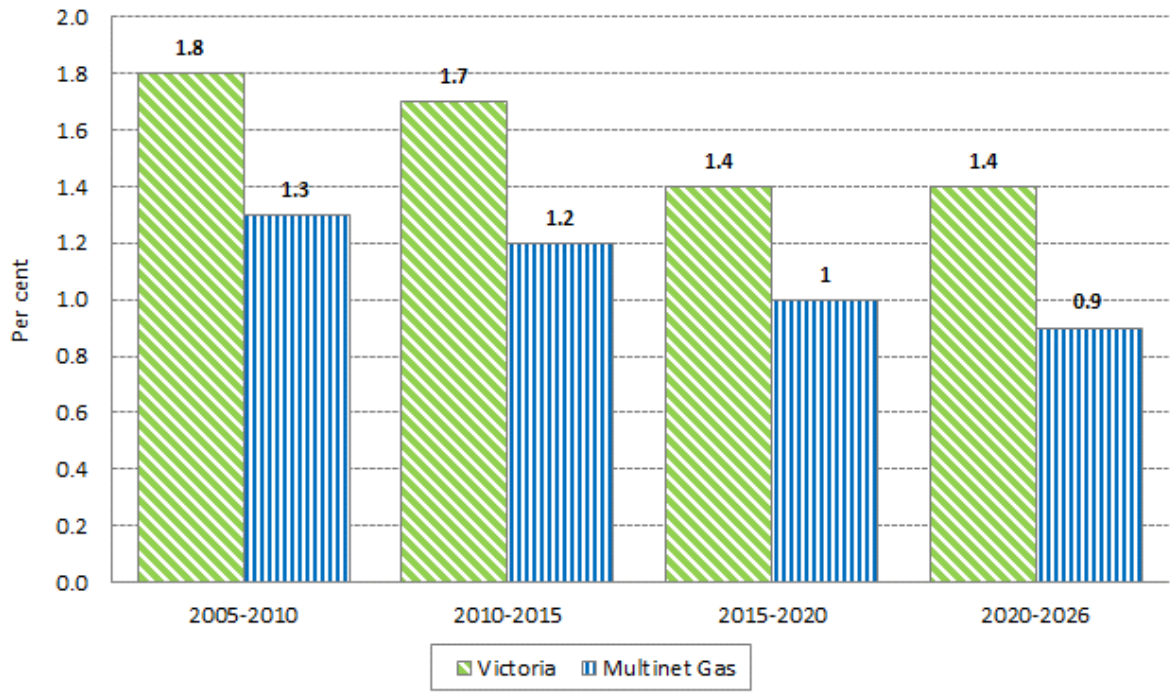


Table 3.2 shows population projections by postcode for Multinet Gas distribution in terms of average annual growth rates over the 2014 to 2024 period.

Table 3.2 Postcode population compound growth rates – 2016 to 2026			
Postcode	**Population growth**	**Postcode**	**Population growth**
3000	5.2	3145	1.3
3004	2.4	3146	0.8
3006	5.2	3147	0.6
3008	5.2	3148	0.8
3095	-0.5	3149	0.8
3097	-0.6	3150	0.8
3101	0.5	3151	0.5
3102	0.5	3152	-0.4
3103	0.5	3153	0.0
3104	0.5	3154	-0.4
3105	0.0	3155	-0.4
3106	0.0	3156	-0.3
3107	0.0	3158	-0.3
3108	0.0	3159	0.1
3109	0.0	3160	-0.3
3111	0.0	3161	0.9
3113	-0.2	3162	0.9
3114	0.0	3163	0.9
3115	0.1	3165	0.9
3116	-0.3	3166	0.8
3122	0.5	3167	0.6
3123	0.5	3168	0.8
3124	0.5	3169	0.4
3125	0.6	3170	0.8
3126	0.5	3171	1.2
3127	0.5	3172	0.8
3128	0.5	3173	1.2
3129	0.5	3174	1.2
3130	0.5	3175	1.2
3131	0.5	3177	2.2
3132	0.5	3178	-0.4
3133	0.5	3179	-0.4
3134	0.5	3180	-0.4
3135	0.5	3181	1.4
3136	0.5	3182	1.6
3137	0.0	3183	1.4
3138	-0.3	3184	1.6
3139	-0.3	3185	1.0
3140	-0.3	3186	0.5
3141	2.3	3187	0.5
3142	1.4	3188	0.5
3143	1.4	3189	0.4
3144	1.4	3190	0.5

Table 3.2 Postcode population compound growth rates – 2016 to 2026 (continued)			
Postcode	**Population growth**	**Postcode**	**Population growth**
3191	0.5	3786	-0.3
3192	0.4	3787	-0.3
3193	0.5	3788	-0.3
3194	0.4	3789	-0.3
3195	0.4	3791	-0.3
3196	0.4	3792	-0.3
3197	0.4	3793	-0.3
3201	0.5	3795	-0.3
3202	0.4	3796	-0.3
3204	0.9	3797	-0.3
3205	1.6	3799	-0.3
3206	1.6	3802	2.2
3207	1.6	3804	2.1
3765	-0.3	3805	2.2
3766	-0.3	3916	0.3
3767	-0.3	3950	0.1
3770	-0.3	3953	0.1
3775	-0.3	3976	2.2
3781	4.3	3984	2.2
3782	3.6	3995	1.1
3783	4.3	3996	1.1

3.3 Gross Regional Product

Multinet Gas Gross Regional Product (GRP) growth is projected to average 2.0 per cent per annum over the 2015-16 to 2025-26 period. This is around 0.5 percentage points lower than the forecast Victorian Gross State Product (GSP) growth rate over the same period.

Figure 3.2 shows average annual growth rates for Victorian GSP and Multinet Gas GRP for selected spans to 2025-26.

Figure 3.2: Gross Regional Product growth – Victoria and Multinet Gas – selected spans

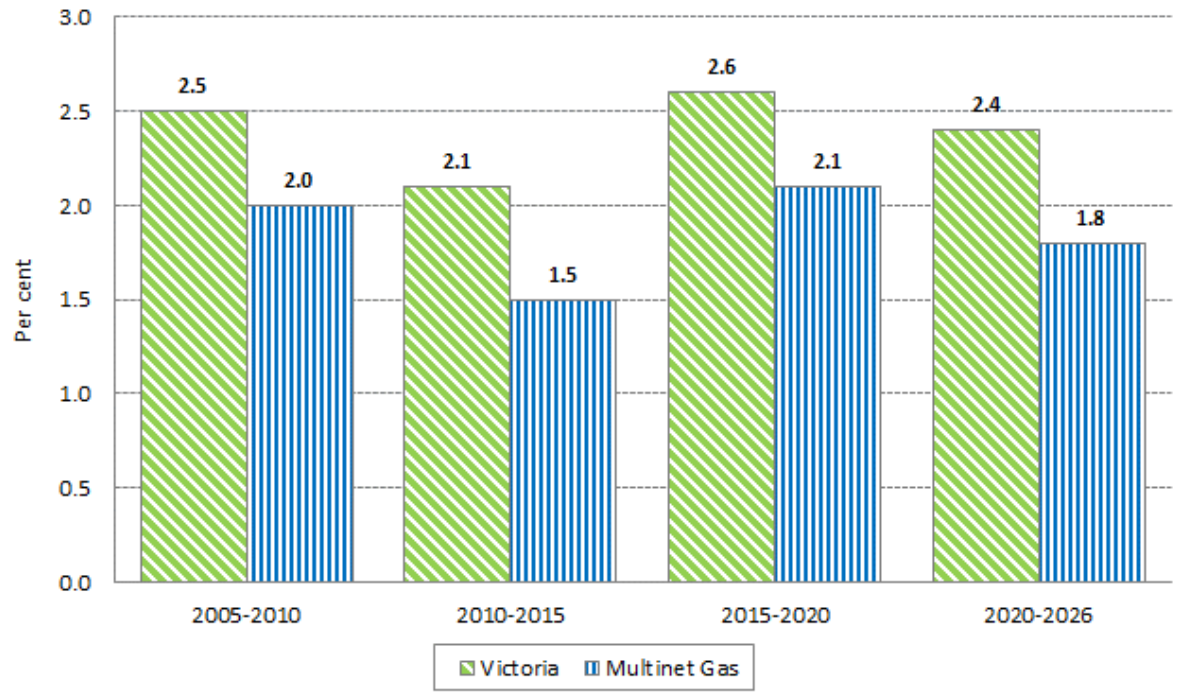


Table 3.3 shows gross regional product projections by postcode for Multinet Gas in terms of average growth rates over the 2016 to 2026 period.

Table 3.3 Postcode gross state product (GSP) growth rates – 2016 to 2026			
Postcode	**GSP growth**	**Postcode**	**GSP growth**
3000	3.5	3145	1.0
3004	2.3	3146	1.2
3006	3.5	3147	1.7
3008	3.5	3148	2.1
3095	1.1	3149	2.1
3097	1.1	3150	2.1
3101	1.3	3151	2.6
3102	1.3	3152	0.5
3103	1.3	3153	0.9
3104	1.3	3154	0.5
3105	2.9	3155	0.5
3106	2.9	3156	0.6
3107	2.9	3158	1.0
3108	2.9	3159	1.3
3109	2.9	3160	1.0
3111	2.9	3161	2.0
3113	2.3	3162	2.0
3114	2.9	3163	2.0
3115	2.5	3165	2.0
3116	1.0	3166	2.1
3122	1.3	3167	1.4
3123	1.3	3168	2.1
3124	1.3	3169	0.3
3125	2.5	3170	2.1
3126	1.3	3171	2.6
3127	2.0	3172	1.7
3128	2.6	3173	2.6
3129	2.6	3174	2.6
3130	2.6	3175	2.6
3131	2.6	3177	4.0
3132	2.6	3178	0.5
3133	2.6	3179	0.5
3134	1.5	3180	0.5
3135	1.5	3181	0.9
3136	1.5	3182	0.0
3137	1.2	3183	0.2
3138	1.0	3184	0.0
3139	1.0	3185	1.3
3140	1.0	3186	1.2
3141	3.0	3187	1.2
3142	1.0	3188	1.2
3143	1.0	3189	0.3
3144	1.0	3190	0.8

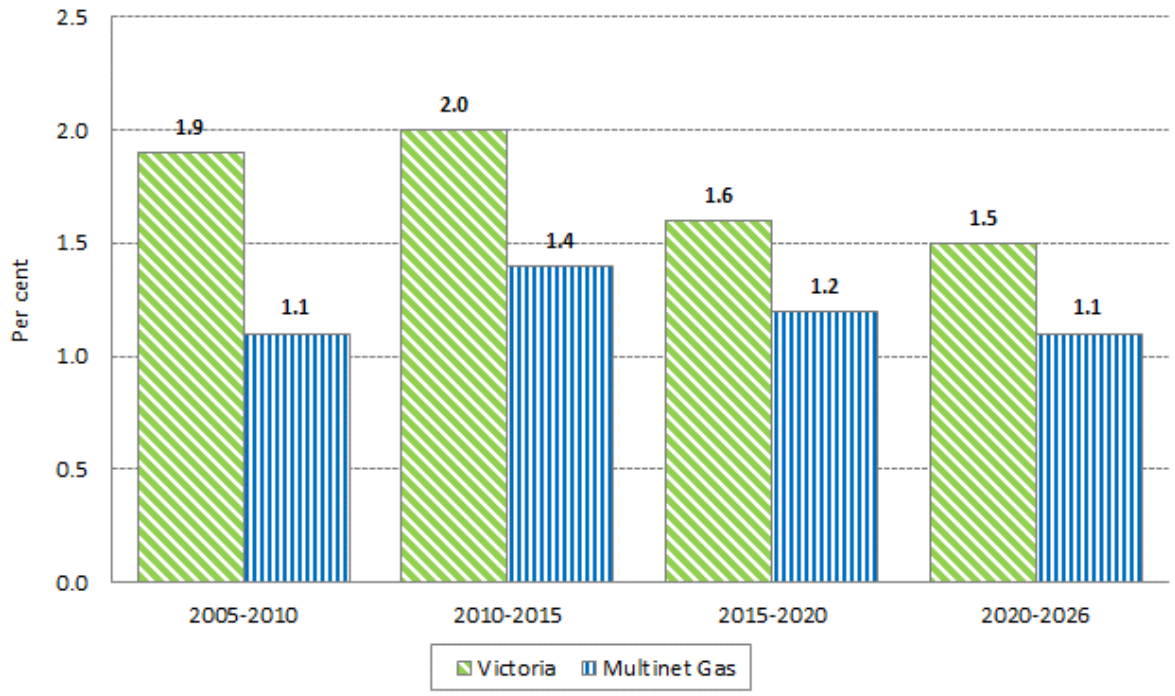
Table 3.3 Postcode gross state product (GSP) growth rates – 2016 to 2026 (continued)			
Postcode	**GSP growth**	**Postcode**	**GSP growth**
3191	1.2	3786	1.0
3192	0.4	3787	1.0
3193	1.2	3788	1.0
3194	0.3	3789	1.0
3195	0.3	3791	1.0
3196	0.3	3792	1.0
3197	0.3	3793	1.0
3201	2.0	3795	1.0
3202	0.3	3796	1.0
3204	2.0	3797	1.0
3205	0.0	3799	1.0
3206	0.0	3802	4.0
3207	0.0	3804	3.7
3765	1.0	3805	4.0
3766	1.0	3916	2.9
3767	1.0	3950	1.4
3770	1.0	3953	1.4
3775	1.0	3976	4.0
3781	5.0	3984	5.5
3782	4.4	3995	5.6
3783	5.0	3996	5.5

3.4 Dwelling stock

Multinet Gas regions dwelling stock is projected to increase by 1.1 per cent between 2015-16 and 2025-26. This compares to a projected growth rate of 1.5 per cent for Victoria over the same period.

A significant proportion of new dwellings built in the Multinet Gas region are not houses but other dwellings, including apartments. Most apartments would not require a gas meter, but include reverse cycle heating.

Figure 3.3: Dwelling stock growth – Victoria and Multinet Gas – selected spans



The share of other dwellings, including apartments, in the Multinet Gas region has increased from 17.6 per cent in 2000 to 19.7 per cent in 2010 to 22.4 per cent in 2015. The split between houses and other dwellings growth in the Multinet Gas region is shown below from 2010 to 2015. This highlights the sharp shift from new separate houses to multi-unit dwellings.

Figure 3.4: Absolute change in dwelling stock by type – Separate houses and other dwellings – Multinet Gas region 2010 to 2015

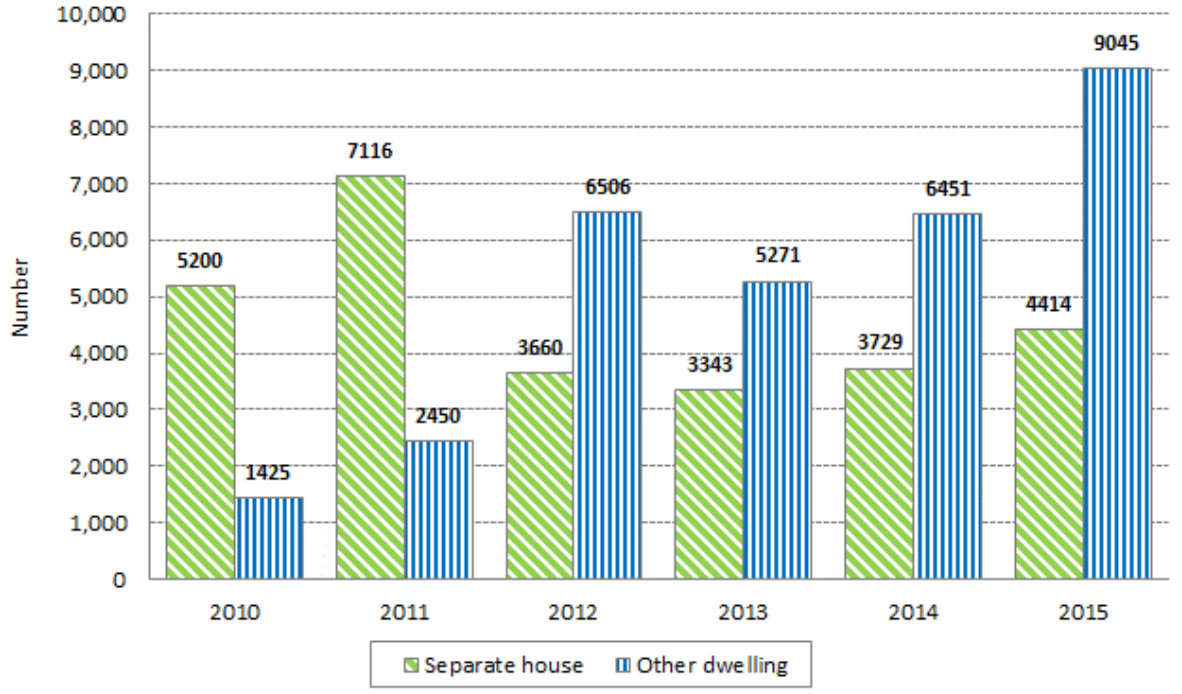


Table 3.4 shows the dwelling stock growth rates by postcode for Multinet Gas in terms of average annual growth rates between 2016 and 2026.

Table 3.4 Postcode dwelling compound growth rates – 2016 to 2026			
Postcode	**Dwelling growth**	**Postcode**	**Dwelling growth**
3000	6.8	3145	1.5
3004	2.3	3146	0.9
3006	6.8	3147	0.4
3008	6.8	3148	0.4
3095	-0.1	3149	0.4
3097	-0.1	3150	0.4
3101	0.4	3151	0.5
3102	0.4	3152	0.2
3103	0.4	3153	0.3
3104	0.4	3154	0.2
3105	0.3	3155	0.2
3106	0.3	3156	0.2
3107	0.3	3158	0.2
3108	0.3	3159	0.5
3109	0.3	3160	0.2
3111	0.3	3161	0.3
3113	0.1	3162	0.3
3114	0.3	3163	0.3
3115	0.3	3165	0.3
3116	0.2	3166	0.4
3122	0.4	3167	0.4
3123	0.4	3168	0.4
3124	0.4	3169	0.3
3125	0.5	3170	0.4
3126	0.4	3171	0.6
3127	0.5	3172	0.4
3128	0.5	3173	0.6
3129	0.5	3174	0.6
3130	0.5	3175	0.6
3131	0.5	3177	2.0
3132	0.5	3178	0.2
3133	0.5	3179	0.2
3134	0.4	3180	0.2
3135	0.4	3181	1.5
3136	0.4	3182	0.9
3137	0.3	3183	0.8
3138	0.2	3184	0.9
3139	0.2	3185	0.4
3140	0.2	3186	0.1
3141	2.9	3187	0.2
3142	1.5	3188	0.1
3143	1.5	3189	0.3
3144	1.5	3190	0.2

Table 3.4 Postcode dwelling compound growth rates – 2016 to 2026 (continued)			
Postcode	**Dwelling growth**	**Postcode**	**Dwelling growth**
3191	0.1	3786	0.2
3192	0.3	3787	0.2
3193	0.1	3788	0.2
3194	0.3	3789	0.2
3195	0.3	3791	0.2
3196	0.3	3792	0.2
3197	0.3	3793	0.2
3201	0.7	3795	0.2
3202	0.3	3796	0.2
3204	0.3	3797	0.2
3205	0.9	3799	0.2
3206	0.9	3802	2.0
3207	0.9	3804	1.9
3765	0.2	3805	2.0
3766	0.2	3916	0.5
3767	0.2	3950	0.7
3770	0.2	3953	0.7
3775	0.2	3976	2.0
3781	4.4	3984	1.8
3782	3.7	3995	1.1
3783	4.4	3996	1.1

4. Natural gas forecasting methodologies and modelling assumptions

This section outlines the methodologies employed and the key modelling assumptions used in developing Victorian natural gas consumption forecasts by tariff and class for Multinet Gas.

A full description of NIEIR's forecasting methodologies is contained in the Volume 1 report titled "Natural gas, customer number and MHQ forecasts for Multinet Gas to2026", June 2016. In the Volume 1 report this methodology section includes:

- gas demand and weather conditions including the EDD Index, weather standards and warming trends;
- large customer survey;
- trends in household gas usage in Victoria;
- average residential consumption trends for existing and new customers;
- natural gas price outlook; and
- a whole section which addresses the impact of national and state greenhouse and energy policies impacting on Victorian and Multinet Gas regions.

This section outlines the postcode forecasting methodologies as well as the peak day and peak hour forecasting methodologies.

The centrepiece of the modelling methodology was the application of NIEIR's economic and energy (industry based) projection models.

Victoria's regional energy model is an economic and energy model. It is based on 11 Statistical Sub-Divisions and 31 Local Government Areas in greater Melbourne. The model produces forecasts of population, the dwelling stock growth and estimates of gross regional product for these Statistical Divisions and Local Government Areas. The allocation of these regions across Multinet Gas zone are outlined in Appendix A.

The energy projections for Multinet Gas are directly linked to economic indicators for Multinet Gas.

4.1 Methodology – natural gas consumption forecasts

Natural gas consumption forecasts were prepared on a calendar year basis for Multinet Gas to 2026.

Calendar year forecasts were prepared for the following tariff groups for Multinet Gas (and pricing zone):

- Tariff D;
- Tariff V; and
- Tariff L.

Tariff D was disaggregated and forecast by ANZSIC sector as indicated in Table 4.1.

Multinet Gas provided the following information to NIEIR to develop the gas forecasts.

- Total daily gas usage for the Multinet Gas region from 2001 to December 2015.
- Total Tariff D daily usage, including UFAG estimates.

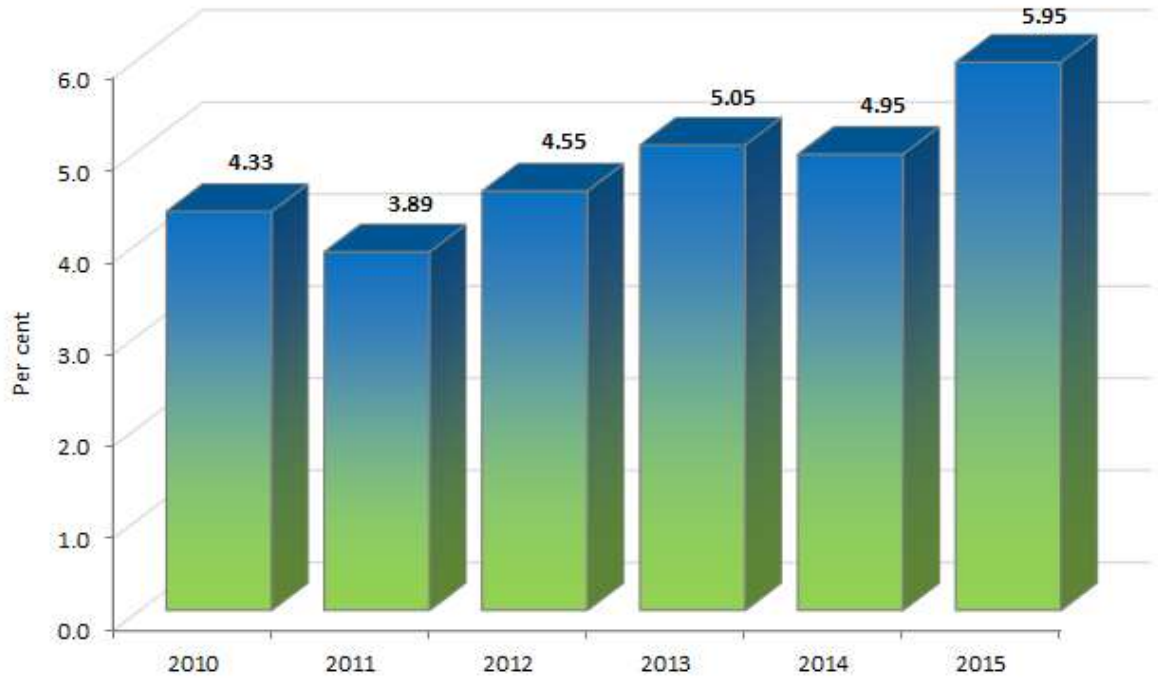
- Tariff D monthly usage by customer from 2005 to 2015.
- Customer numbers by tariff by month.
- New customer MIRNS from 2007 to 2014 and their billings history to the end of 2015.
- Actual annual MHQs by customer for 2005 to 2015.
- Other information describing the Multinet Gas network in Victoria.

Tariff V – Residential volumes and customers

Tariff V sales for each business were determined from the total boundary gas usage for Multinet Gas less Tariff D sales, including losses.

Figure 4.1 shows the Tariff V (Class B) loss factors provided by Multinet Gas.

Figure 4.1: Unaccounted for gas (UAFG) – Tariff V (Class B)



Billed information supplied on a billed linearised basis, was used to allocate Tariff V sales into residential and business sales.

The pricing zone Tariff V data was similarly derived by using the billed data by class to split up the total distribution Tariff V sales by class into pricing zones.

It is important to note that the residential and business Tariff V volumes will differ from those reported by Multinet Gas in their templates for the Commission. The templates may contain billed or billed linearised data.

Residential sales were forecast using an end-use type modelling approach. Average gas usages of new and existing customers were modelled separately. This allowed the major policy changes such as the 6-Star Standard for new homes and changes to Minimum Energy Performance Standards (MEPs) to be directly modelled.

NIEIR undertook a detailed analysis of residential customer accounts data from Multinet Gas distribution businesses. Samples were taken of both new and existing residential customers. The weather normalised new customer average usage was identified from the sample of new meters.

Section 3 of this report outlines in further detail the specific modelling methodology for projecting residential Tariff V usage.

Tariff V – Business volumes and customers

Multinet Gas supplied eight years of billing information for Tariff V customers. It was disaggregated into residential class and business class.

Given the short time series of annual billed data, NIEIR did not estimate new forecasting equations for Tariff V business sales. Instead, NIEIR used an existing commercial equation estimated previously using Department of Industry, Innovation and Science[6] energy consumption data for Victoria. This equation uses commercial output and real gas prices to drive Tariff V business sales by business.

Tariff D – Volumes, customers and MHQ

The forecasts for Tariff D for volumes, customers and maximum hourly quantity were prepared on an industry basis. Tariff D for each business was modelled on the basis of actual Tariff D usage plus losses.

NIEIR obtained individual Tariff D customer data from Multinet Gas. These customers were then ANZSIC or industry coded. In some cases, NIEIR drew on previous work in this area for AEMO and the individual businesses. Where zone based data was required, postcode identifiers were used to allocate Tariff D customers to each pricing zone.

Table 4.1 shows the Australian and New Zealand Standard Industrial Classification (ANZSIC) categories included in NIEIR's Victorian gas forecasting model. Table 4.1 also shows the concordance between customer class categories and ASIC industry categories. Gas consumption forecasts for Tariff D are based on econometric models which link Victorian gas consumption by industry to real output growth by industry, real natural gas prices and weather conditions. The Tariff D forecasts were also partly determined by the results of a survey of major Tariff D customers.

The rationale for adopting an industry based approach for Tariff D is that the sectoral outlooks for each sector can then feed through and affects volume and MHQ movements over the forecast period. For example, if manufacturing is in decline and commercial is growing, these compositional changes are directly reflected in the forecast for Tariff D for Multinet Gas.

Projections of maximum hourly quantity (MHQ) for Multinet Gas were again derived on an industry basis. The projections of MHQ are linked to the energy growth by industry and a load factor by industry.

In a number of industries the change in MHQ will be closely related to energy use. These would typically only be in a small number of energy intensive industries that operate with very high capacity factors. The vast majority of Tariff D customers, however, would operate at much lower capacity factors.

[6] Office of the Chief Economist, Australian Energy Statistics.

Table 4.1 Reconciliation of customer class categories with ASIC industries	
Customer class category	**ANZSIC**
Residential[1]	
Commercial	Electricity, gas, water and sewerage Construction Wholesale and retail trade Transport and storage, communication services Finance, property, business services Public administration and defence and community services Accommodation, cafes, restaurants and recreation, personal and other services
Industrial	Agriculture, forestry, fishing, hunting Mining Food, beverages, tobacco manufacturing Textiles, clothing and footwear manufacturing Wood, wood products manufacturing, paper products manufacturing Chemicals, petroleum, coal manufacturing Non-metallic minerals manufacturing Basic and fabricated metal products manufacturing Transport and other machinery and equipment manufacturing Miscellaneous manufacturing

Notes: ASIC refers to Australian and New Zealand Standard Industrial Classification.

1. The farm class which excludes residential farm is included in the industrial sector.

4.2 Peak day and peak hour model

4.2.1 Overview

Peak demand is the highest level of demand recorded within a given period. Peak demand events typically arise during periods of extreme weather conditions. These events are difficult to predict in advance, largely because the severity of weather extremes can vary significantly from year to year. Primarily for this reason, peak demand projections are often presented as a probability distribution of possible peak demand levels.

This section focuses on peak demand events for the Multinet Gas region. Historical and projected estimates of Peak Day demand and Peak Hour demand are presented for the 1-in-2 and 1-in-20 probabilities. Where a 1-in-2 peak demand event is expected to be exceeded once every two years, or 50 per cent of the time; and a 1-in-20 peak demand event is expected to be exceeded once during a 20 year period, or 5 per cent of the time.

The peak demand modelling presented in this report is based on an intuitive conceptual framework. Peak demand is segmented into two parts:

- weather insensitive demand; and
- weather sensitive demand.

Weather insensitive demand is the part of demand that would occur irrespective of the weather conditions (otherwise known as base load). The level of weather insensitive demand is roughly approximated by the level of demand on a mild temperature day (all other factors held constant). Weather sensitive demand is the part of demand that occurs due to prevailing weather conditions. This part of gas demand reflects, in most part, the intensity of heating equipment use. The level of weather sensitive demand can vary significantly depending on the prevailing weather conditions.

The figure below provides a simplified illustration of the segmentation of demand between the weather insensitive demand and weather sensitive demand. It characterises weather insensitive demand as a greater proportion of total demand. In many instances, the weather sensitive demand can account for a much larger proportion of overall demand than is illustrated here. The relative proportion of weather sensitive and insensitive demand will depend on the composition of residential, commercial and industrial customers within the customer base. For Tariff V customers, peak demand events are significantly temperature driven as heating is a main end use of the residential sector. In comparison, Tariff D customers have a greater proportion of weather insensitive demand and are more driven by economic and industrial activity.

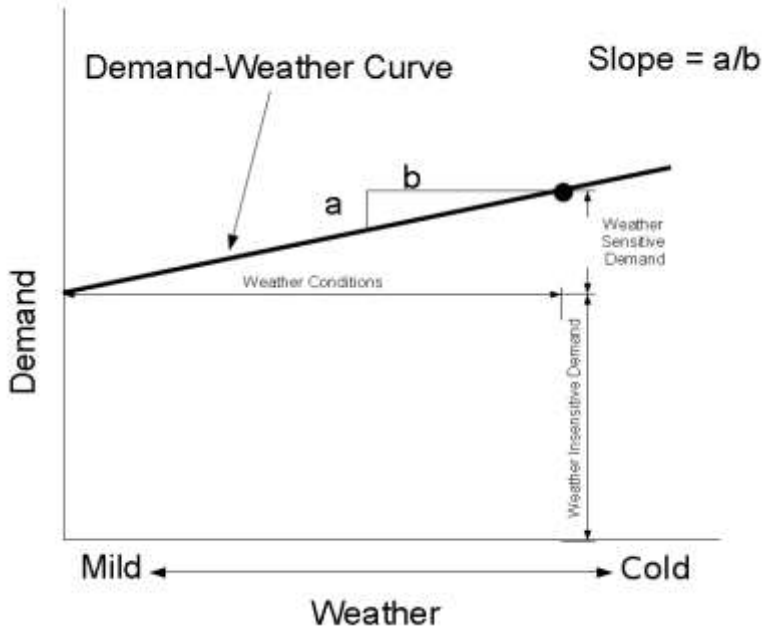
The weather insensitive demand and weather sensitive demand can be estimated (for any given year) using regression analysis. Specifically, the weather insensitive part of demand can be inferred from the constant term (intercept) and the weather sensitive part can be inferred from the product of the weather coefficient (the slope) and the weather variable.[7] As the economy evolves and the use and stock of gas equipment changes, the intercept and weather coefficients will vary accordingly.

Peak day and peak hour modelling for the Multinet Gas distribution network are separated by Melbourne and South Gippsland regions, and by Tariff V and Tariff D demand.

Regression models for peak day are developed for the Melbourne region Tariff V and Tariff D with the historical 1-in-2 and 1-in-20 level peak day demands. These equations are refitted with peak day weather standards using the 1-in-2 and 1-in-20 coldest day EDD standards.

[7] The Effective Degree Day Index used within the regression models for weather also includes wind and sunshine in addition to temperature.

Figure 4.2: Gas demand and temperature relationship



Forward estimates of intercept and coefficients are the key drivers of the peak demand projections. These parameters are linked to NIEIRs volume forecasts, which are in turn driven by NIEIRs economic and industrial outlook for Victoria and Multinet Gas; policy and technology outlook; and prices. Forecast weather standards for the 1-in-2 and 1-in-20 coldest day EDDs are also key inputs of future gas demand.

Data

Multinet Gas provided NIEIR with multiple datasets for forecasting. The primary sets of data used to forecast MDQ and MHQ include:

- daily gas demand for Tariff V and Tariff D customers back to 2001 for the Melbourne System Withdrawal Zone (Melbourne SWZ) and South Gippsland regions; and
- hourly and daily gas demand for Melbourne total system withdrawals, Melbourne Tariff D and South Gippsland total withdrawals and South Gippsland Tariff D from 2007 to early 2016.

NIEIR have independently obtained weather data from the Bureau of Meteorology to develop the Effective Degree Day 312 Index (EDD_{312}). This data includes Melbourne temperature, sunshine hours, and wind speed.

4.2.2 Historical peak demand events

Peak day

Peak day is the maximum daily quantity (MDQ) of gas that occurs over a season. Table 4.2 shows the historical peak day events for the Melbourne pricing zone from 2001 to 2015 with Tariff V and Tariff D demand coincident to the total Melbourne withdrawals. The tables within this section are inclusive of unaccounted for gas.

For the Melbourne region, peak day typically occurs during the winter months from early June to mid-August. Peak day most frequently occurs during the middle of the week when business and residential activity is at its greatest. However, there have been examples of peak day occurring during a weekend if the weather conditions are cold enough and weekdays during the season have experienced relatively mild weather conditions. For example, the 2008 peak day occurred on a Sunday on a day with 15.3 EDDs. Tariff D is not as strong on the weekend as many businesses are closed, but households within Tariff V may be using space heaters most of the day and can be enough to overcome the Tariff D shortfall.

Table 4.2 Melbourne coincident peak day demand by tariff

Year	Date	Total system withdrawals (GJs)	Tariff V (GJs)	Tariff D (GJs)	EDD_{312} (t)	EDD_{312} (t-1)	Maximum Degrees Celsius	Minimum Degrees Celsius
2001	Thu, 14 June 2001	349,504	295,045	54,459	14.2	6.1	11.0	7.4
2002	Thu, 27 June 2002	364,886	310,279	54,608	14.0	9.2	11.5	9.0
2003	Wed, 30 July 2003	366,162	311,512	54,650	13.2	13.8	11.2	6.0
2004	Sat, 14 August 2004	367,941	328,878	39,063	13.9	9.1	9.8	7.2
2005	Wed, 10 August 2005	414,772	358,198	56,573	15.6	10.4	10.4	4.6
2006	Wed, 19 July 2006	369,979	315,736	54,243	12.7	9.4	11.1	5.8
2007	Tue, 17 July 2007	437,923	383,590	54,333	16.3	12.2	9.2	7.0
2008	Sun, 10 August 2008	379,872	351,490	28,381	15.3	11.4	12.2	5.6
2009	Tue, 9 June 2009	393,524	348,539	44,985	14.0	9.7	12.6	7.1
2010	Tue, 29 June 2010	396,899	349,485	47,414	14.1	14.1	10.8	5.7
2011	Tue, 7 June 2011	387,756	343,041	44,715	13.9	10.6	10.9	7.0
2012	Thu, 9 August 2012	363,747	321,558	42,189	12.3	12.1	11.6	8.1
2013	Mon, 24 June 2013	380,551	336,242	44,309	13.2	12.1	12.4	2.0
2014	Fri, 1 August 2014	409,110	366,004	43,106	15.5	8.0	10.3	6.2
2015	Tue, 14 July 2015	391,552	346,990	44,562	14.0	12.0	9.9	8.2

The highest daily demand for the Multinet Gas Melbourne region in 2015 reached 391,552 GJ. This occurred on Tuesday, 14 July 2015 in the middle of an exceptional cold winter. Peak day occurred within a stretch of cold days from 12 July 2015 to 20 July 2015 that did not reach an average temperature above 10°C.

If the peak day was a product of the weather conditions on the day, then the 14 EDDs would imply that peak day 2015 was slightly below a 1-in-2 peak day event. However, demand on the day is likely boosted by following a cold previous day with 12.0 EDDs occurring on the 13th of July. The previous day is colder than what would be expected to generate a 1-in-2 peak day event.

In comparison, the 2014 peak day had a total withdrawal of 409,110 GJ and occurred on an exceptionally cold day with an EDD of 15.5. In contrast to the conditions surrounding the 2015 peak day, the 2014 winter was warmer than average. The 2014 peak day followed days that had maximum temperatures close to 20°C, which suppressed gas demand on peak day.

Table 4.3 through to Table 4.6 show the non-coincident peak day demand for Tariff V and Tariff D customers for Melbourne and South Gippsland.

Table 4.3 illustrates that peak day demand is driven by increases in consumption by Tariff V customers. In 2015, the Tariff V customer segment consumed a total of 346,990 GJ of gas at its peak, while the Melbourne Tariff D segment consumed a much smaller amount of 44,562 GJ. Because of the relatively large size of Melbourne Tariff V and because the majority of Tariff V consumption on peak day is driven by weather conditions, Tariff V peaks on the same day as the total system withdrawals. However, because Tariff D is proportionally less temperature sensitive than Tariff V, the non-coincident Tariff D peak day does not always occur on the same day as the total system peak, but nonetheless it often does, especially on extremely cool days.

Table 4.3 Tariff V non-coincident peak day demand, Melbourne

Year	Date	GJ	EDD_{312} (t)	EDD_{312} (t-1)
2001	Thursday, 14 June 2001	295,045	14.2	6.1
2002	Thursday, 27 June 2002	310,279	14.0	9.2
2003	Sunday, 31 August 2003	311,924	13.0	10.1
2004	Saturday, 14 August 2004	328,878	13.9	9.1
2005	Wednesday, 10 August 2005	358,198	15.6	10.4
2006	Wednesday, 19 July 2006	315,736	12.7	9.4
2007	Tuesday, 17 July 2007	383,590	16.3	12.2
2008	Sunday, 10 August 2008	351,490	15.3	11.4
2009	Tuesday, 9 June 2009	348,539	14.0	9.7
2010	Tuesday, 29 June 2010	349,485	14.1	14.1
2011	Tuesday, 7 June 2011	343,041	13.9	10.6
2012	Thursday, 9 August 2012	321,558	12.3	12.1
2013	Monday, 24 June 2013	336,242	13.2	12.1
2014	Friday, 1 August 2014	366,004	15.5	8.0
2015	Tuesday, 14 July 2015	346,990	14.0	12.0

Table 4.4 Tariff D non-coincident peak day demand, Melbourne

Year	Date	GJ	EDD_{312} (t)
2001	Monday, 20 August 2001	57,155	12.1
2002	Thursday, 27 June 2002	54,608	14.0
2003	Tuesday, 29 July 2003	56,273	13.8
2004	Wednesday, 16 June 2004	56,634	8.7
2005	Wednesday, 10 August 2005	56,573	15.6
2006	Wednesday, 19 July 2006	54,243	12.7
2007	Tuesday, 17 July 2007	54,333	16.3
2008	Tuesday, 29 April 2008	45,421	8.5
2009	Wednesday, 10 June 2009	46,874	13.2
2010	Wednesday, 25 August 2010	47,415	13.3
2011	Wednesday, 11 May 2011	46,472	11.8
2012	Wednesday, 1 August 2012	44,078	10.6
2013	Monday, 24 June 2013	44,309	13.2
2014	Tuesday, 22 July 2014	45,396	12.2
2015	Tuesday, 14 July 2015	44,562	14.0

Tables 4.5 and 4.6 show the non-coincident demands for the South Gippsland pricing zone, which Multinet Gas has been serving for a relatively short period of time since 2009. As South Gippsland is a relatively new area, Tariff V has experienced historically strong growth as new customers connect to the network.

Over 2009 and 2010, Tariff D peak day was driven by rapid growth in demand rather than weather, with peak day occurring during November on warm days with zero EDDs. There was a significant jump in demand when the second Tariff D customer connected to the South Gippsland network in late 2014. The previous year registered a peak day of 1,154 and this went up to 3,278 in 2014. In 2015, South Gippsland Tariff D peaked during winter for the first time as customer demand showed more stability over 2015.

Table 4.5 Tariff V non-coincident peak day demand, South Gippsland

Year	Date	GJ	EDD_{312} (t)	EDD_{312} (t-1)
2009	Sunday, 27 September 2009	416	11.8	10.7
2010	Friday, 20 August 2010	913	11.9	8.1
2011	Tuesday, 7 June 2011	1,099	13.9	10.6
2012	Wednesday, 20 June 2012	1,078	12.2	10.2
2013	Tuesday, 20 August 2013	1,599	12.0	12.1
2014	Friday, 1 August 2014	1,653	15.5	8.0
2015	Monday, 22 June 2015	1,751	10.6	12.9

Table 4.6 Tariff D non-coincident peak day demand, Melbourne

Year	Date	GJ	EDD_{312} (t)
2009	Thursday, 19 November 2009	360	0.0
2010	Monday, 22 November 2010	752	0.0
2011	Monday, 10 October 2011	1,170	6.9
2012	Sunday, 30 September 2012	1,209	7.0
2013	Sunday, 6 October 2013	1,154	4.4
2014	Monday, 20 October 2014	3,278	1.5
2015	Monday, 8 June 2015	3,822	5.0

Peak hour

Peak hour is the maximum hourly quantity (MHQ) that occurs over a season. Peak hour usually occurs on peak day as both are interlinked by the overall weather conditions experienced during the day. Table 4.7 shows the peak hour demand for the Melbourne system withdrawal zone, and the demand of Tariff V and Tariff D Melbourne customers at the time of the total system withdrawals peak hour (coincident).

Over 2008 to 2015 peak hour has typically occurred during the early evening at 6:00 p.m. or 7:00 p.m. Around this time people are returning home from work, switching on their gas heaters and cooking dinner. This leads to significant peaks as gas space heaters must work harder to bring a cold house up to a comfortable temperature, rather than maintaining a comfortable temperature. Commercial Tariff V customers within the food and hospitality industries will also be busy around the dinner service.

Peak hour in 2015 occurred on Tuesday, 14 July at 6:00 p.m. Multinet Gas Melbourne recorded its strongest peak hour over the 2008 to 2015 period of 27,583 GJ. This was largely driven by increased demand from the Tariff V segment during the early evening of 25,623 GJ compared to Tariff D demand at 6:00 p.m. of 1,960 GJ.

Table 4.7 Melbourne coincident peak hour demand by tariff

Year	Date	Time	Total withdrawals (GJs)	Tariff V (GJs)	Tariff D (GJs)	EDD (t)	EDD (t-1)	Maximum Degrees Celsius	Minimum Degrees Celsius
2008	Tue, 29 July 2008	8.00 a.m.	25,233	22,607	2,626	11.0	10.6	14.4	3.4
2009	Tue, 9 June 2009	7.00 p.m.	25,649	23,679	1,970	14.0	9.7	12.6	7.1
2010	Mon, 28 June 2010	7.00 p.m.	26,075	24,066	2,008	14.1	12.1	11.4	3.9
2011	Tue, 7 June 2011	7.00 p.m.	26,501	24,563	1,938	13.9	10.6	10.9	7.0
2012	Thu, 9 August 2012	6.00 p.m.	25,344	23,461	1,883	12.3	12.1	11.6	8.1
2013	Mon, 19 August 2013	7.00 p.m.	24,505	22,668	1,837	12.1	7.6	13.6	7.6
2014	Fri, 1 August 2014	6.00 p.m.	26,057	24,095	1,962	15.5	8.0	10.3	6.2
2015	Tue, 14 July 2015	6.00 p.m.	27,583	25,623	1,960	14.0	12.0	9.9	8.2

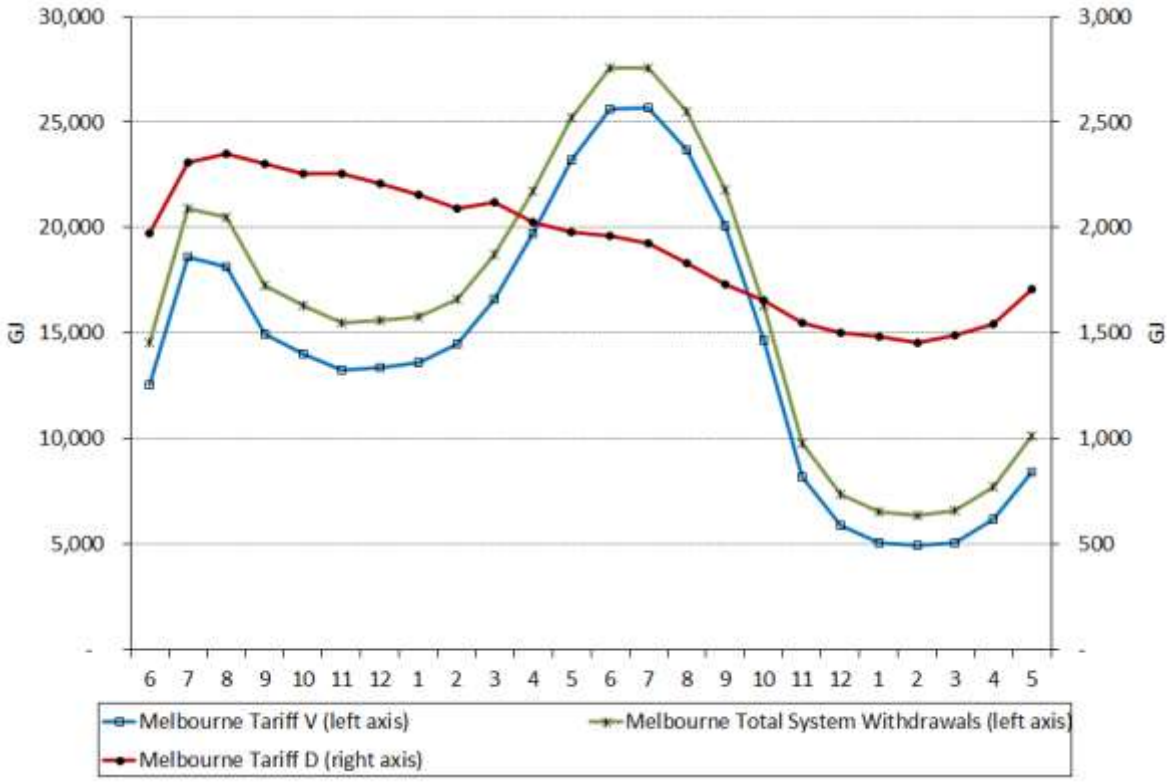
Tables 4.8 and 4.9 show the non-coincident peak hours for Melbourne Tariff V and Melbourne Tariff D. This also confirms that total system peak hour is driven by Tariff V demand in the early evening, while Tariff D has a completely different demand profile as it usually peaks at 8:00 a.m. in the morning. The hourly gas demand profiles for the 2015 are shown in Figure 4.3. Because of this diversity in peak hours, coincident Melbourne Tariff D peak hour is discounted from the non-coincident peak hour results by a factor of 0.76.

Table 4.8 Tariff V non-coincident peak hour demand, Melbourne

Year	Date	Time	GJ	EDD (t)	EDD (t-1)
2008	Monday, 21 July 2008	7.00 p.m.	22,821	11.9	9.1
2009	Tuesday, 9 June 2009	7.00 p.m.	23,679	14.0	9.7
2010	Monday, 28 June 2010	7.00 p.m.	24,066	14.1	12.1
2011	Tuesday, 7 June 2011	7.00 p.m.	24,563	13.9	10.6
2012	Thursday, 9 August 2012	6.00 p.m.	23,461	12.3	12.1
2013	Monday, 19 August 2013	7.00 p.m.	22,668	12.1	7.6
2014	Friday, 1 August 2014	6.00 p.m.	24,095	15.5	8.0
2015	Tuesday, 14 July 2015	7.00 p.m.	25,648	14.0	12.0

Table 4.9	Tariff D non-coincident peak hour demand, Melbourne			
Year	**Date**	**Time**	**GJ**	**EDD (t)**
2008	Tuesday, 29 July 2008	8.00 am	2,626	11.0
2009	Wednesday, 8 July 2009	8.00 am	2,598	11.0
2010	Tuesday, 20 July 2010	8.00 am	2,657	13.1
2011	Thursday, 16 June 2011	8.00 am	2,558	10.7
2012	Tuesday, 31 July 2012	8.00 am	2,481	9.1
2013	Monday, 24 June 2013	9.00 am	2,471	13.2
2014	Tuesday, 22 July 2014	8.00 am	2,584	12.2
2015	Tuesday, 4 August 2015	8.00 am	2,492	12.9

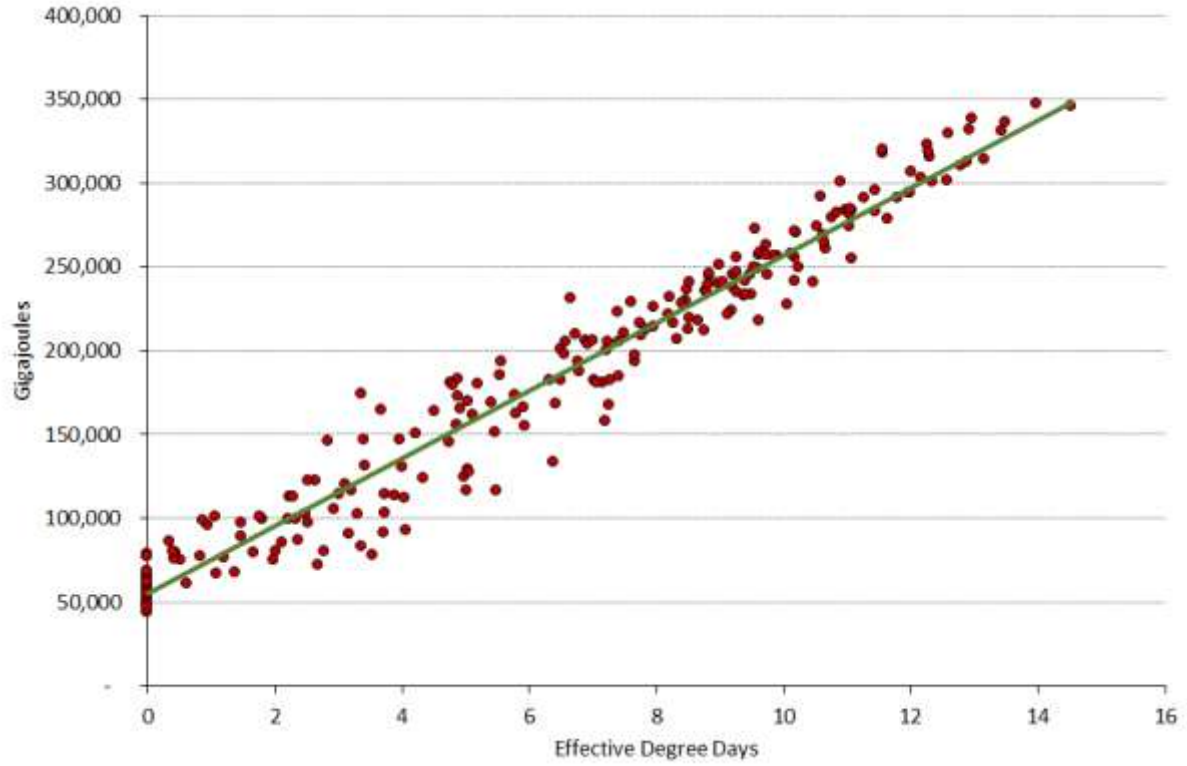
Figure 4.3: Melbourne hourly gas demand for Tariff V, Tariff D and Total system withdrawals, 14 July 2015



4.2.3 1-in-2 peak day and 1-in-20 peak day standards

In early 2016, NIEIR completed a review of the Effective Degree Day (EDD) Index and forecast standards for Victorian Gas Forecasting purposes. The review developed weather standards for annual gas demand and peak day gas demand, with a particular focus on the impacts of climate change on historical and forecast standards. This sections summarises components of this report and applies the findings to the Multinet Gas region. A complete treatment of the 1-in-2 Peak Day and 1-in-20 Peak Day standards can be found in the *NIEIR Review of EDD weather standards for Victorian Gas Forecasting* (April 2016) report.

Figure 4.4: Multinet Gas Melbourne daily Tariff V gas demand and the Effective Degree Day Index, 2015



Note: Days with average temperatures greater than or equal to 18 are excluded from this sample.
Source: Bureau of Meteorology, Multinet Gas and NIEIR estimates.

Effective Degree Day Index

Temperature is one of the main drivers behind gas demand. As temperatures get colder, consumers use gas space heating and water heating more intensively to maintain a level of comfort indoors. To this end, Heating Degree Days (HDDs) are a popular index for analysing the impact of temperature on energy demand. Heating Degree Days are an index of the temperatures below a threshold value of 18 degrees, and are set to zero for temperatures above 18 degrees. HDDs continue to be used by AEMO for gas forecasting for states other than Victoria.

To improve the relationship between weather and gas demand, a composite index of weather was developed by the Victorian Gas and Fuel Corporation of Victoria in the late 1970s. The Effective Degree Day (EDD) index combines temperature, wind, sunshine and a seasonal variable into a single index of weather. This represents gas demand for heating being stronger on windier days, rather than on calmer days. Consumers also tend to use more heating on cloudier days, than sunnier days. The seasonal effect is a measure of consumer preference to use heating appliances more intensively during the later stages on winter, and minimally during the summer months.

As can be seen in Figure 4.4, daily gas demand and the EDD index follow each other closely.

Over the years, there have been a number of different EDD indices. For the 2018 to 2022 GAAR, NIEIR have elected to use the EDD_{312} index. In AEMO's 2012 *Review of Weather Standards for Gas Forecasting* report, EDD_{312} was found to provide the best model fit to Victorian gas demand over alternative indices (including HDDs mentioned above).

The general formulation of the EDD index is as follows:

Effective Degree Day =	Degree Days	(Temperature Effect)
	+ α_1 * (Degree Days)* β_1(Wind Speed)	(Wind Chill)
	+ α_2 * (Sunshine Hours)	(Sunshine)
	+ 2*Cosine (2π(day - β_2)/365)	(Seasonality)

Where the parameters for EDD_{312} (2012) are:

$\alpha_1 = 0.037$
$\alpha_2 = 0.144$
$\beta_1 = 0.604$
$\beta_2 = 190$

$Degree\ days_{312}$ are calculated by using a threshold value of 18 degrees Celsius such that:

Degree Day =	18 – $Temperature_{312}$ if $Temperature_{312}$ < 18; and
	0 if $Temperature_{312}$ >= 18

Both temperature and wind speed are weighted averages of 3 hourly intervals from 3:00 a.m. to 12:00 a.m. the following day for a total of eight intervals per day. Sunshine hours are the daily amount of sunshine above a threshold sunshine intensity.

Data for the Effective Degree Day Index

NIEIR obtained data from the Bureau of Meteorology to construct the Effective Degree Day index back to 1970. This included 3 hourly wind readings from Moorabbin Airport and Laverton RAAF, and daily sunshine hours for Melbourne Airport.

From 1855 until 5 January 2015 the Melbourne Regional Office weather station served as Melbourne's official weather station. This was located within the Melbourne CBD near the intersection of La Trobe Street and Victoria Parade. The Melbourne Regional Office weather station was increasingly affected by the urbanisation of the surrounding area, with a potential urban warming bias.

The new Melbourne Olympic Park weather station opened in June 2013. By comparison, the Olympic Park weather station is located near the sporting precinct south of Melbourne close to the Olympic Park oval and the Yarra River, a much less urbanised environment.

Three-hourly temperature readings were obtained for Melbourne Regional Office from 1970 until its closure on 5 January 2015. Melbourne Olympic Park now serves as Melbourne's official weather station and is used within the EDD_{312} index from 6 January to present.

Melbourne Regional Office and Melbourne Olympic Park weather stations were run concurrently over an 18-month period from the start of June, 2013 to 5 January 2015. This overlap suggests that the Olympic Park weather station has typically cooler temperature readings than the Melbourne Regional Office temperature readings.

Analysis by NIEIR suggests that a correction to Olympic Park weather station temperatures is essential for Victorian Gas demand analysis and forecasting. This is to ensure the history supplied by the Melbourne Regional Office weather station is consistent with the new temperature supplied by the Melbourne Olympic Park weather station. AEMO have elected to apply a 1.028 correction to temperature readings for the purposes of the 2015 *National Gas Forecasting Report*, while data published through the Market Information Bulletin Board (MIBB) does not apply a correction to Melbourne Olympic Park temperature.

NIEIR have found that the percentage difference between Melbourne Regional Office and Melbourne Olympic Park varies by time of year. Overall, when temperatures are cooler and days are shorter, the difference between these weather stations is minimised at the average temperature. While when temperatures are warmer and days are longer, the difference between the weather stations is at its greatest at the average temperature. NIEIR have elected to apply a variable daily correction to the average temperatures to reflect this finding.

Summer Degree Days

The Effective Degree Day has been designed primarily to measure the weather conditions experienced during the non-summer months. Typically, temperatures during summer are great enough for the EDD index to be zero for most days. However, extremely hot (or conversely unusually cool) summers can also affect the level of gas demand; for instance, the need for water heating is reduced by hot weather conditions, with consumers more likely to have a cooler than normal shower on a hot summer day.

A counterpart index of summer weather conditions has been used in the normalisation process. The index is based on the popular 'cooling degree day' indicator, which measures the number of degrees above a threshold temperature. It is formulated as follows:

(Summer) Degree Days = Temperature-18 if $\text{Temperature}_{312} > 18$; and
0 if Temperature <= 18 Where:

Temperature = the arithmetic mean of daily minimum and maximum temperatures.

Although peak day and peak hour occur during the winter season, the inclusion of the summer degree day variable within the regression models improves the amount of explained variance and as a result produces more accurate equation coefficients.

Weather standards

In 2015, the coldest day was 14.53 EDD which occurred on Sunday, 19th of July. The 2015 year was the coldest since 2003, which was due to an exceptionally cold Melbourne winter. This follows on from the warmest year since 1970, with 2014 recording a total number of 1,197 EDDs. But 2014 also contained a colder day than 2015 with 15.47 EDDs at its coldest.

NIEIR have elected to use the long-term trend method for the development of peak day gas standards for Victorian gas forecasting. Given the lack of adequate gas demand data going back to 1970, EDD standards are developed under the assumption that Peak Day gas demand occurs on the coldest day EDD_{312}. From 1970 to 2015 the coldest EDD day has trended downwards at a rate of 0.048 EDDs per annum as can be seen from Figure 4.5. This implies a 1-in-2 Peak Day standard for 2015 of 14.28 EDDs. This approach suggests the weather on the coldest day during 2015 was slightly greater than a 1-in-2 event. This steady decline is consistent with well-documented global and urban warming effects impacting Victoria's climate.

While it may appear that the warming trend has slowed down, or stopped over 2000 to 2015, this is unlikely to be the case over the long term. Melbourne's climate undergoes short and medium term trends in warming and cooling that can span 10 to 15 years. This is confirmed by analysing HDDs at Melbourne Regional Office since 1855. Prior to World War II Melbourne experienced 10 to 15 year cycles of warming followed by 10 to 15 years of cooling. Post-World War II, Melbourne now experiences periods of extreme warming followed by shorter periods of no warming, or minimal warming. Melbourne currently appears to be within a period of minimum warming. This also demonstrates that over the short term climate can be volatile and extrapolating long term trends

from short periods of time can lead to erroneous conclusions. As such, NIEIR uses the long term trend decline of 0.048 EDDs per annum to develop a rolling annual weather standard over the next 10 years.

Forecasts of the peak day 1-in-2 and 1-in-20 weather standards are contained in Table 4.10.

Table 4.10	Forecast 1-in-2 and 1-in-20 Effective Degree Day weather standards for peak day										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1-in-2	14.23	14.18	14.13	14.09	14.04	13.99	13.94	13.90	13.85	13.80	13.75
1-in-20	16.15	16.10	16.05	16.01	15.96	15.91	15.86	15.82	15.77	15.72	15.67

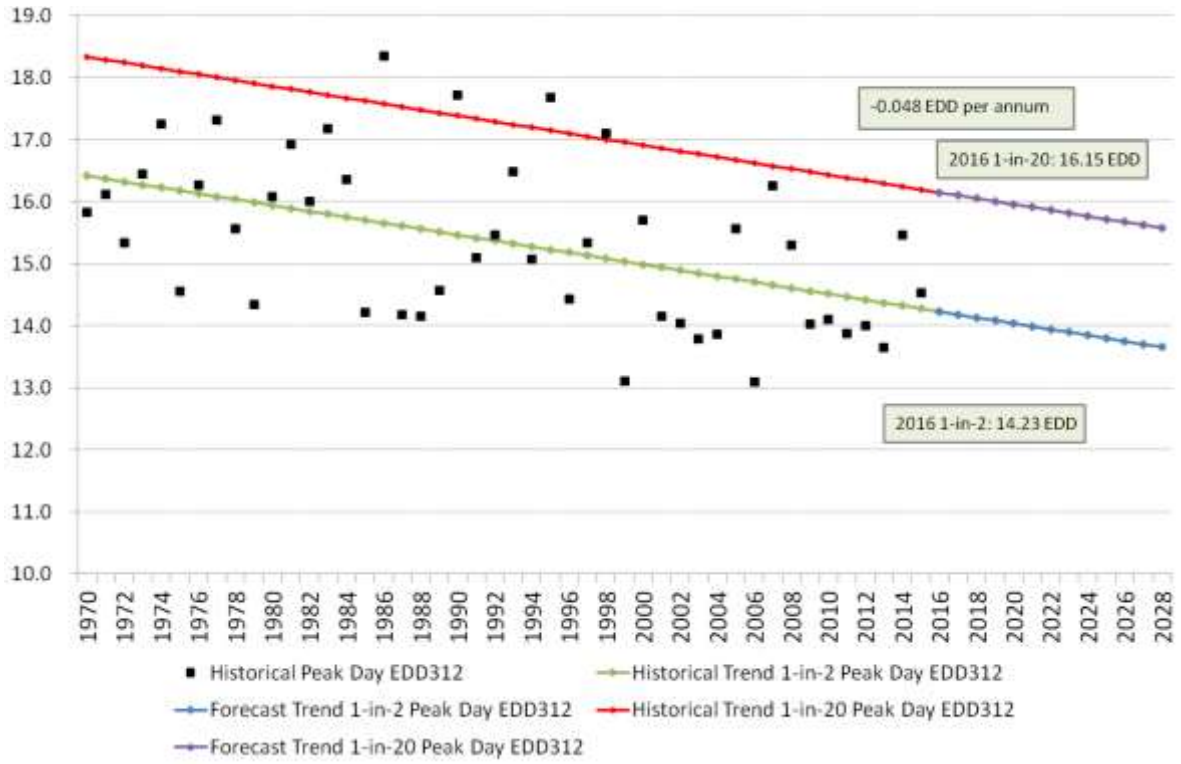
As the Tariff V regression equations also use a lagged EDD_{312} variable, weather standards for the day prior to peak day demand were also estimated. These were determined by an assessment of the distribution of historical EDD_{312} values for the day preceding Multinet Gas peak day. The relationship between peak day EDD and the lagged EDD was determined, with the 1-in-2 lagged standard taken as the median (50^{th} percentile), and the 1-in-20 at the 5^{th} percentile level.

These are contained in Table 4.11. These relationships imply that a 1-in-20 peak day follows a close to 1-in-2 peak demand day.

Table 4.11	Forecast 1-in-2 and 1-in-20 lagged Effective Degree Day weather standards for peak day										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
1-in-2	10.59	10.55	10.52	10.48	10.45	10.41	10.38	10.34	10.31	10.27	10.24
1-in-20	13.57	13.53	13.49	13.45	13.41	13.37	13.33	13.29	13.25	13.21	13.17

Figure 4.5 shows the actual coldest day across each year since 1970 and the corresponding 1-in-2 Peak day and 1-in-20 Peak Day standards used to forecast Multinet Gas peak day. For the first forecast year the 1-in-2 Peak Day standard is 14.23 EDD, while the 1-in-20 Peak Day standard is 16.15 EDD.

Figure 4.5: Long-term trend analysis of Peak Day EDD_{312} weather standards



Source: NIEIR (2016), *NIEIR Review of EDD weather standards for Victorian Gas Forecasting.*

4.2.4 Daily gas demand equations

Melbourne

NIEIR have used a seasonal regression model for modelling Tariff V demand that covers the months April through to September, rather than an annual demand model as was used for the weather normalisation of annual Tariff V gas consumption. A narrower specification allows the model to better capture the overall seasonal conditions that ultimately influence peak day and as a result produces a more accurate historical weather corrected demand series. A Tariff V consumer will arguably behave differently within a cold winter than during a warm winter, even if temperature conditions on Peak Day are similar between these winters.

The Tariff D equations are taken directly from the annual weather normalisation equations, as reported in the volumes forecasts. Industrial end use is proportionally less weather dependent as gas is used for more diverse applications. As Tariff D customers are less weather dependent, they have more consistent usage across the year and restricting the sample months does not necessarily improve the 1-in-2 and 1-in-20 peak day historical profiles as it does for Tariff V customers. This also stabilises and improves the weather insensitive part of gas demand for Tariff D, which has a proportionally greater importance than weather sensitive demand for Tariff D.

Tariff V gas demand is modelled using the daily boundary load according to the equation:

Demand = β_0 (constant)
+ β_1 * (Effective Degree Day$_{312}$ at time t)
+ β_2 * (Effective Degree Day$_{312}$ at time t-1)
+ β_3 * (Summer Degree Day)
+ β_4 * (Saturday)
+ β_5 * (Sunday)
+ β_6 * (Friday)
+ β_7 * (Monday)
+ (public holiday dummy variables)
+ ε (residual /consumer response)

Where $\{\beta_0, \beta_1, \beta_2 \ldots \beta_n\}$ are equation coefficients. All day of week variables are dummy variables such that the variable equals 1 when gas demand is on that day.

Equations are estimated across winter for each year to analyse changes in weather insensitive demand and weather sensitive demand for each tariff. A lagged value for the effective degree day index was included in the peak day equations to allow for the impact of streaks of cold days on peak day gas demand. While the SDD variable was maintained for consistency between energy and peak methodologies, it has less relevance with the restricted winter sample and no impact on peak day demand (value of zero). SDDs still improve the model fit to demand.

Table 4.12 presents the equation coefficients for Tariff V gas demand. As Tariff V gas demand is largely temperature dependant, equation coefficients can show some volatility depending on the overall climate of the winter. During peak day, only around 15 to 20 per cent of gas demand is weather insensitive, while 80 to 85 per cent is weather dependent.

Broadly speaking, it appears that weather sensitivity within the Multinet Gas network increased up until around 2006 and has trended downwards since then as shown by the EDD_{312} coefficient. This is also apparent in the lagged weather coefficient. This could be due to improvements in building standards that were introduced to a 5-star standard in 2005 and a 6-star standard in 2011, which improve the buildings thermal performance and reduce reliance on space heating. This could also be partly due to fuel switching from gas to electric heating (reverse cycle air conditioners).

Table 4.12 Tariff V demand equation coefficients, Melbourne

Year	Constant	EDD_{312}	EDD_{312} (t-1)	SDD	Saturday	Sunday	Friday	Monday
2001	61,990	15,816	991	-1,526	-11,239	4,113	-10,934	2,514
2002	62,782	16,131	1,863	-1,160	-12,671	-538	-9,670	-868
2003	65,590	16,965	1,055	-1,828	-13,379	-2,274	-10,862	-389
2004	60,124	17,324	1,770	-1,327	-10,693	2,326	-7,700	2,086
2005	61,567	17,968	1,076	-1,173	-11,005	397	-11,227	198
2006	64,181	18,626	1,208	3,926	-14,626	-72	-11,555	-4,565
2007	57,616	16,103	4,302	1,814	-10,437	-14,047	1,345	-837
2008	63,301	16,489	3,544	-1,544	-7,389	-11,360	3,345	915
2009	68,829	17,278	2,383	-2,650	-8,670	-16,230	1,759	-9,051
2010	58,838	18,196	2,291	-2,204	-1,277	-7,585	395	454
2011	61,280	16,540	3,669	47	-6,034	-15,377	-2,003	-2,116
2012	70,714	17,132	2,086	-3,809	-8,112	-9,708	829	-6,589
2013	61,424	16,488	3,645	1,336	-8,490	-9,205	2,237	2,205
2014	64,944	16,132	3,344	-1,826	-10,526	-10,064	-4,764	-1,207
2015	54,849	17,129	3,394	135	-1,379	-5,934	-29	1,710

Note: Coefficients for public holidays not displayed.

Tariff D gas demand is modelled using the daily boundary load according to the equation:

Demand = β_0 (constant)
+ β_1 * (Effective Degree Day$_{312}$ at time t)
+ β_2 * (Summer Degree Day)
+ β_3 * (Saturday)
+ β_4 * (Sunday)
+ β_5 * (Friday)
+ β_6 * (Monday)
+ (public holiday dummy variables)
+ ε residual (consumer response)

Where $\{\beta_0, \beta_1, \beta_2 \ldots \beta_n\}$ are estimate coefficients. All day of week variables are dummy variables such that the variable equals 1 when gas demand is on that day. This is the same equation as was used to annual weather normalisation.

The most prevalent trend in Tariff D gas demand is the fall in weather insensitive demand across the sample period. From 2001 to around 2005, weather insensitive demand was relatively stable and started to decline afterwards. The most significant period of decline occurs over the three years from 2006 to 2009 with average annual falls of 6.1 per cent per annum. Weather insensitive demand for Tariff D has continued to fall since then, albeit at a more gradual rate of around 0.88 per cent per annum from 2009 to 2015.

Tariff D weather sensitive demand has also declined steadily over 2001 to 2015 at an average annual rate of around 1.96 per cent per annum (based on the EDD coefficient alone for winter). The decline appears more evenly spread across the years. The average annual fall in weather insensitive demand over 2001 to 2015 is similar at -1.88 per cent per annum, weather sensitive demand may be falling at a slightly greater rate due to the impacts of global and urban warming.

Table 4.13 Tariff D peak day demand equation coefficients, Melbourne

Year	Constant	EDD	SDD	Saturday	Sunday	Monday	Friday
2001	41,686	1,065	-616	-17,580	-13,864	-1,720	-5,343
2002	41,262	982	-327	-15,932	-13,210	-1,660	-4,447
2003	41,438	1,036	-328	-16,587	-13,419	-1,441	-4,772
2004	41,567	1,095	-348	-16,532	-13,479	-1,390	-5,352
2005	40,983	985	-657	-16,213	-13,517	-1,621	-4,866
2006	40,704	974	-372	-15,302	-13,194	-1,923	-4,460
2007	38,951	927	-424	-13,189	-14,060	-1,997	-2,721
2008	36,294	944	-415	-12,444	-13,015	-1,247	-2,560
2009	33,697	961	-328	-12,401	-12,952	-1,214	-3,094
2010	33,212	1,003	-138	-11,803	-12,346	-1,367	-3,216
2011	32,705	936	-246	-11,617	-12,032	-1,237	-2,969
2012	32,608	823	-494	-11,533	-11,934	-1,257	-3,002
2013	32,235	795	-313	-10,944	-11,907	-893	-2,196
2014	31,934	917	-206	-10,713	-11,581	-1,044	-2,859
2015	31,961	807	-421	-9,645	-11,051	-1,177	-2,532

Note: Coefficients for public holidays not displayed.

As Tariff D and Tariff V are modelled separately to each other, rather than modelling the system total withdrawals specifically, the model results that come out of the equations are implicitly non-coincident estimates. However, as Tariff V and Tariff D more frequently peak on the same day it is assumed over the forecast period that the non-coincident peak for Melbourne system withdrawal zone is equivalent to the coincident peak.

South Gippsland

Similar equations had been tested and applied to the South Gippsland region, however due to data limitations these were producing unstable estimates for the coefficients. Most of the issue is derived from the withdrawals data set for South Gippsland. These do not necessarily reflect demand within the region, but are somewhat obscured by other gas flows that cause significant spikes and dips in the hourly withdrawals and to a lesser degree, the daily withdrawals (and implied Tariff V series). Hence Tariff V gas demand equations were unsuitable for producing reasonable gas demand distributions.

Tariff D data does not appear to have the same issues as Tariff V, as the two customers in South Gippsland are separately metered. But as there are currently only two Tariff D customers as of 2014, and only 1 customer prior to 2014, the sample is too restricted and individual business behaviour too heterogeneous to produce reasonable estimates through the same approach.

Due to these limitations, peak day estimates for South Gippsland were scaled by comparing the size of the South Gippsland system to the Melbourne system on their respective peak days by Tariff V and Tariff D.

4.2.5 Forecasting 1-in-2 and 1-in-20 demand

Peak day

Gas demand within any given year is highly sensitive to seasonal weather conditions. The residential segment of gas demand is particular sensitive to weather conditions as household end use in space heating and water heating is particular dependant on climate. Variations in weather patterns between years can lead to significant fluctuations in annual gas demand, which can obscure underlying trends in gas demand (e.g. economic, price, energy efficiency).

Because of the highly unpredictable nature of future weather conditions, it is conventional to prepare forecasts of peak gas demand using probabilistic methods – at 1-in-2 and 1-in-20 peak demand levels.

To develop forecasts on this basis, historical peak day demand distributions need to be estimated. Once historical gas demand has been brought back to a consistent basis, a more meaningful assessment of the historical drivers of peak day gas demand can be performed and forecasts can also be made on a consistent basis.

This is done by combining the regression models and the historical and forecast weather standards for the 1-in-2 and 1-in-20 peak day:

- Tariff V and Tariff D fitted demand on peak day are estimated by inserting the actual values for the independent variables into the regression equations;
- the difference between the actual demand and fitted demand gives the residual component of the equation (ε). At the extreme end of the distribution (at the maximum) the residuals have a positive bias, which reflects the additional consumer response on peak day. The average

consumer response at the maximum is estimated over the 15 years of observations (in percentage terms). For Tariff D this is an average consumer response of 3.74 per cent and for Tariff V an average consumer response of 3.88 per cent;

- the historical 1-in-2 and 1-in-20 peak day demand levels are estimated by fitting the regression equations with the historical weather standards for 1-in-2 and 1-in-20 coldest days and adding the per cent consumer response at maximum; and
- Melbourne coincident total system withdrawals is reached by adding together Tariff D and Tariff V components.

The historical 1-in-2 and 1-in-20 peak day distributions inform the forecast starting point. Forecasts of weather insensitive and weather sensitive demand are indexed to the NIEIR forecasts of Tariff V and Tariff D gas consumption by pricing zone. Demands are then estimated in a similar manner to the methodology outlined for historical peak day 1-in-2 and 1-in-20 demand levels.

4.2.6 Unaccounted for gas

All modelled estimates of 1-in-2 and 1-in-20 peak day and peak hour are inclusive of unaccounted for gas (UAFG). UAFG is subsequently removed from the historical estimates at the actual annual rate of UAFG. Forecast UAFG is maintained at the 2015 actual level of UAFG for Tariff D and Tariff V.

Peak hour

The peak hour historical and forecast 1-in-2 and 1-in-20 peak hour demands are directly linked to the historical and forecast peak day demands. This is done by comparing the actual peak hours to the actual peak days within the hourly withdrawals data set for each pricing zone and tariff. South Gippsland Tariff V peak hour is allocated at the same rate as the Melbourne Tariff V, while Tariff D for Melbourne and South Gippsland are allowed to differ.

Both historical and forecast 1-in-2 and 1-in-20 peak hour levels are allocated using the 'allocation factor' as highlighted in Table 4.14. These are 6.9 per cent for Melbourne and South Gippsland Tariff V, 5.4 per cent for Melbourne Tariff D and 4.7 per cent for South Gippsland Tariff D. Using this approach effectively implies that the peak day and peak hour weather standards are the same, and that the weather conditions overall on peak day are a significant determinant of peak hour demand.

Table 4.14 Peak hour to peak day by tariff and pricing zone (per cent)

	Melbourne		South Gippsland	
Year	Tariff V	Tariff D	Tariff V	Tariff D
2008	6.5	5.6		
2009	6.8	5.4		5.9
2010	6.9	5.4		5.3
2011	7.2	5.3		5.4
2012	7.3	5.5		4.7
2013	6.8	5.4		4.7
2014	6.6	5.5		4.9
2015	7.4	5.4		4.7
Allocation factor	**6.9[1]**	**5.4[2]**	**6.9[3]**	**4.7[4]**

Notes:
1. Average of 2008 to 2015.
2. Average of 2008 to 2015.
3. South Gippsland Tariff V is allocated at Melbourne Tariff V rates.
4. Average of 2012 to 2015.

4.2.7 Peak day 1-in-2 and 1-in-20 historical demand

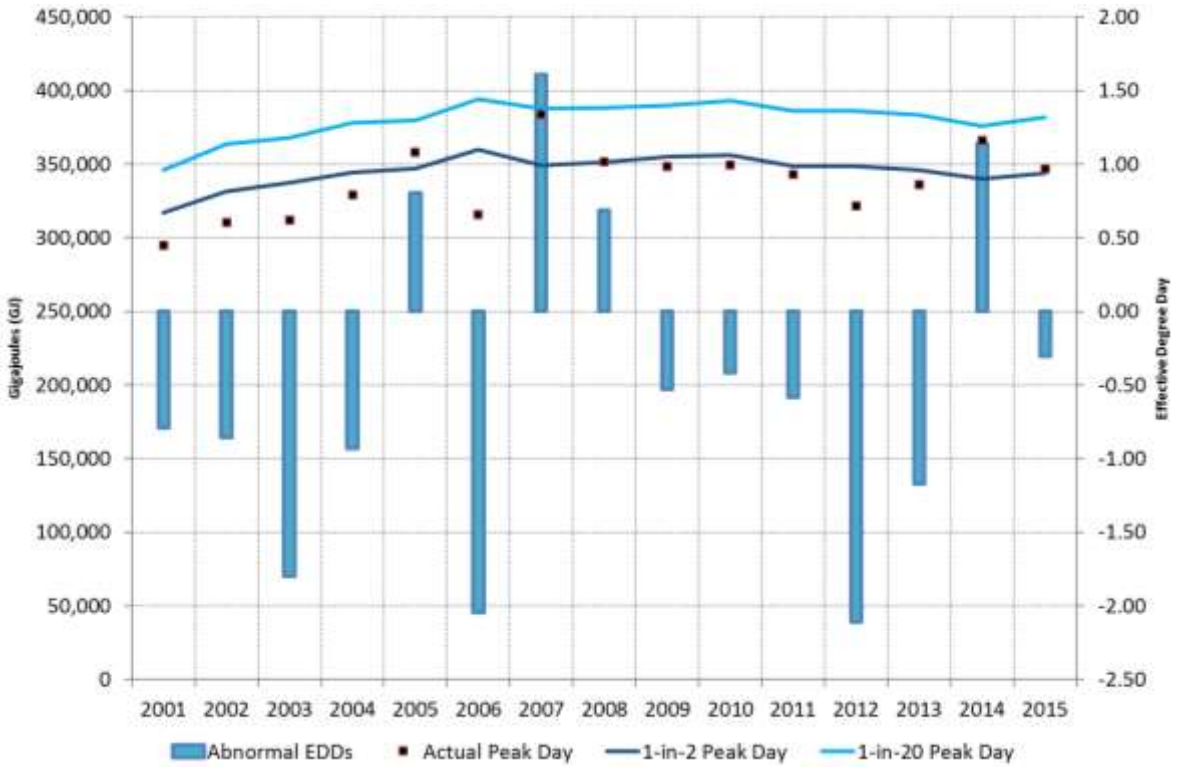
The historical 1-in-2 and 1-in-20 peak day for Melbourne Tariff D and Tariff V are shown in Figures 4.6 and 4.7. These figures also show the actual peak day for 2001 to 2015 alongside the difference between actual and standard EDD on the peak day (bars). The expected distribution of peak days would have approximately 50 per cent of actual peak days exceeding the 1-in-2 peak day demand, and approximately 50 per cent of actual peak days not exceeding the 1-in-2 peak day demand. For Tariff V, the period from 2001 to 2004 was a cluster of warm peaks. If the first four years of the period were excluded from the analysis, then the distribution shows 5 actual peak days exceeding the 1-in-2 peak day demand and 6 actual peak days not exceeding the 1-in-2 peak day demand.

Over a 20-year period it is expected that at least one peak day would exceed the 1-in-20 level. Over this 15-year sample there is one actual peak that around a 1-in-20 level. This occurred during 2007. The 2015 year experienced just above a 1-in-2 peak day event, while the weather conditions on the day suggest a below 1-in-2 peak day event, the cold days preceding peak day helped to boost peak day demand.

Figure 4.6 shows that Tariff V Melbourne demand grew from 2001 to 2006 at around 2.6 per cent per annum. Over 2007 to 2010, there was a period of much slower growth in peak day demand with an average annual growth rate of 0.7 per cent. This period of growth was dampened by improved building standards, and economic uncertainty from the global financial crisis, and increased penetrations and use of reverse cycle air conditioners. From 2010 to 2014, Multinet Gas Tariff V peak day fell at an average annual rate of 1.2 per cent. This included a period of low economic growth over 2012-13 and 2013-14, and the introduction of minimum energy performance standards for gas hot water. In 2015, underlying peak day gas demand for Tariff V increased by 1.1 per cent. This was partly due to a recovery in the economy in 2014-15.

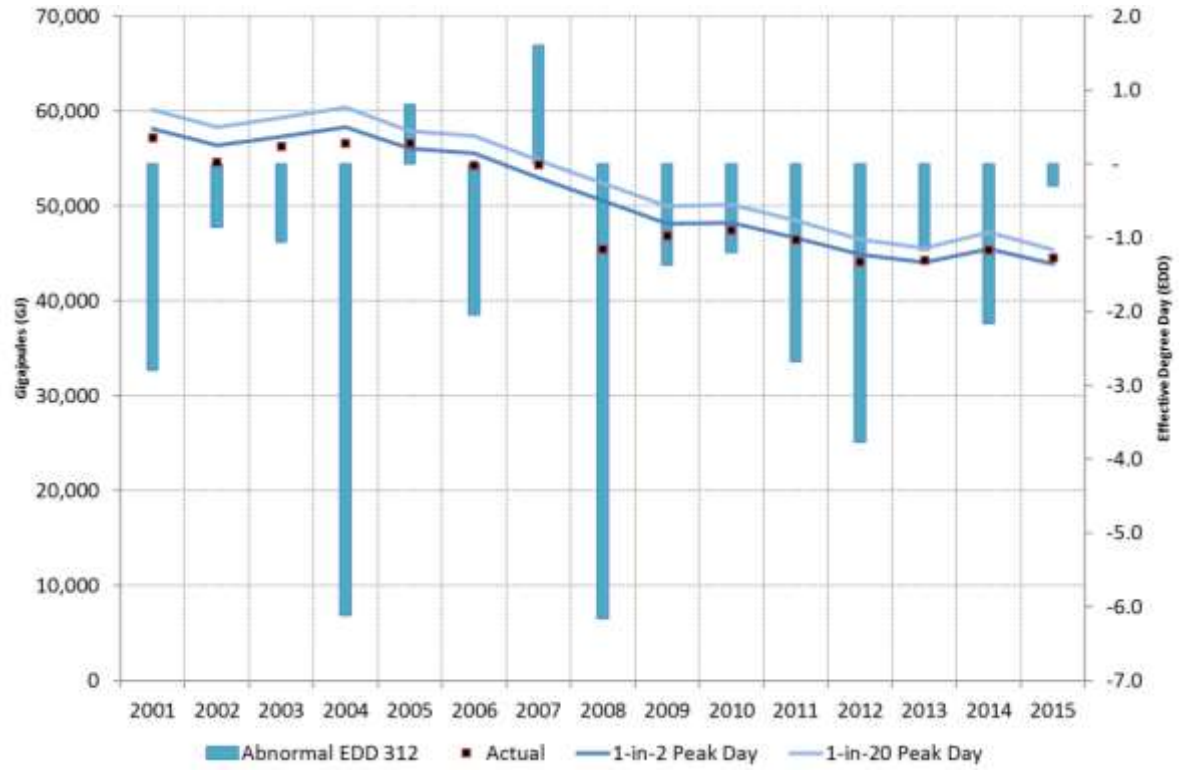
Figure 4.7 reinforces that Tariff D is much less temperature driven than Tariff V demand, as the difference between 1-in-2 and 1-in-20 peak day demand levels is relatively smaller. The trends in 1-in-2 and 1-in-20 peak day demand broadly follow the trends found in weather insensitive demand for Tariff D.

Figure 4.6: Historical 1-in-2 and 1-in-20 Tariff V peak day, Melbourne



Note: EDD are presented as the difference between actual and standard EDD.

Figure 4.7: Historical 1-in-2 and 1-in-20 Tariff D peak day, Melbourne



Note: EDD are presented as the difference between actual and standard EDD.

Figures 4.8 and 4.9 show the implied distributions of Tariff V peak day and Tariff D peak day for South Gippsland. Tariff V has experienced substantial growth over 2009 to 2015, while Tariff D grew over 2009 to 2011, before stabilising over the next three years until the second Tariff D customer connected to the network in late 2014.

Figure 4.8: Historical 1-in-2 and 1-in-20 Tariff V peak day, South Gippsland

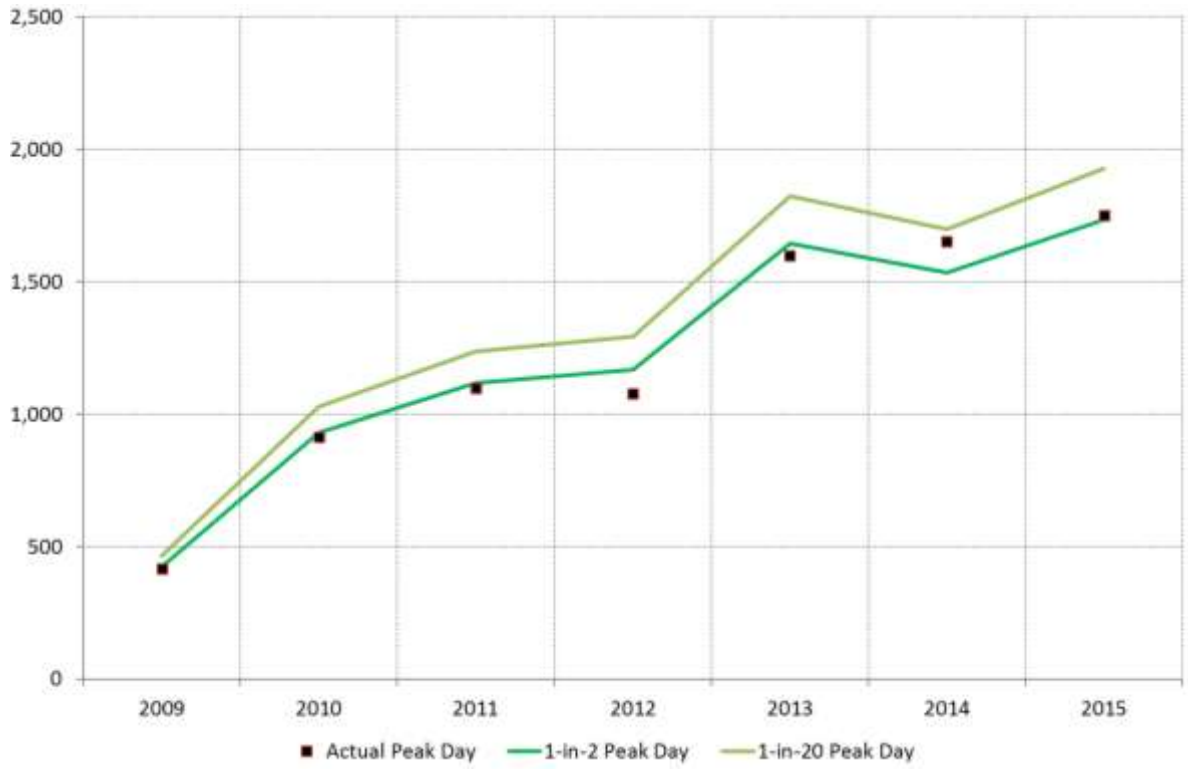
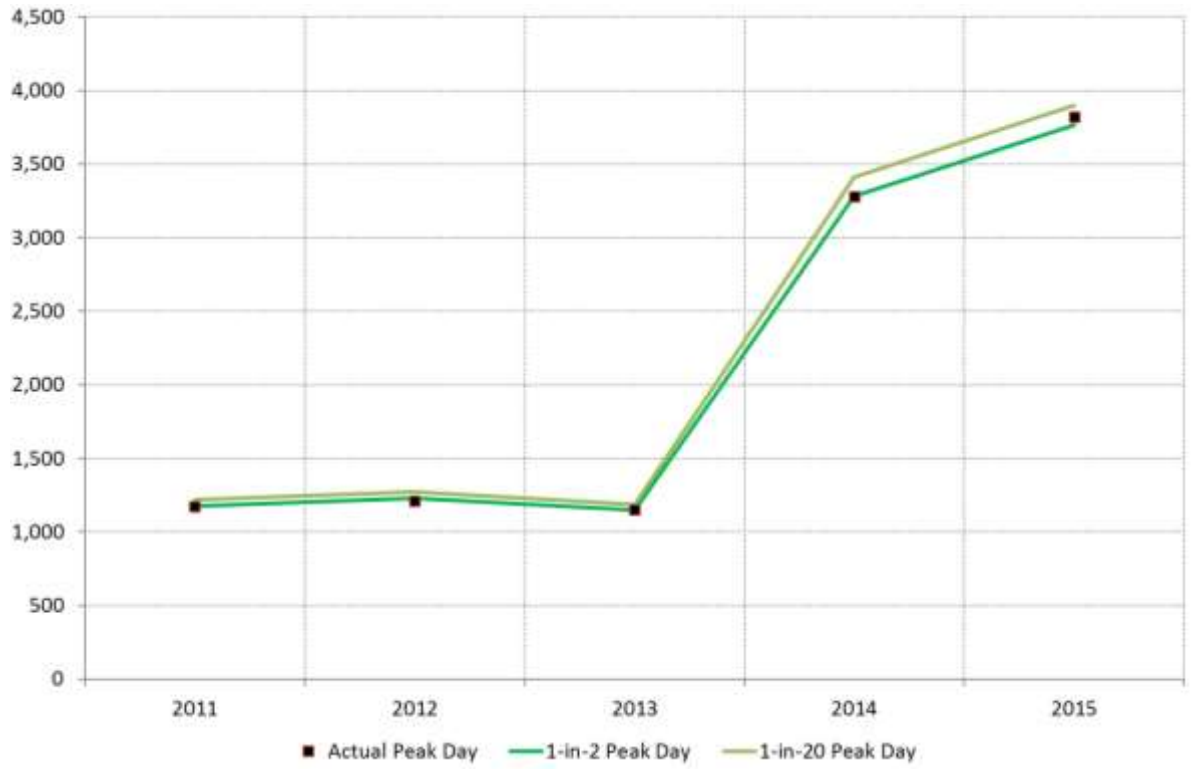


Figure 4.9: Historical 1-in-2 and 1-in-20 Tariff D peak day, South Gippsland



The 1-in-2 and 1-in-20 historical peak hour demand series follows the distributions of the 1-in-2 and 1-in-20 peak day historical weather corrected series for the respective pricing zones and tariff classes.

4.3 Victorian postcode modelling and Multinet Gas postcode forecasts

Multinet Gas provided NIEIR with the following data for the postcode forecasts:

- residential Tariff V volume by month by postcode;
- residential Tariff V meters by month and postcode;
- business Tariff V volumes by month and postcode;
- business Tariff V meters by month and postcode;
- Tariff D volume by month and postcode;
- Tariff D meters by month and postcode; and
- Tariff D MHQ by month and postcode.

The postcode forecasts were developed from a postcode model for Victoria. This model was an annual model and was used to develop calendar year forecasts for Multinet Gas volumes and meters.

In the postcode projection model for Multinet Gas, the forecasts for Tariff V and D are constrained to the actual Tariff V and Tariff D on a boundary basis, or including unaccounted for gas (UAFG).

4.3.1 Victorian postcode model

There are approximately 66 postcodes in Victoria excluding selected administrative only postcodes. NIEIR collects and collates information on the economic and demographic characteristics of Local Government Areas (and lower levels) across Australia. The postcode model was developed to include the following driver variables:

(i) resident population by postcode from 1991 to 2015;

(ii) dwelling stock by postcode from 1991 to 2015;

(iii) household disposable income by postcode; and

(iv) gross regional product by postcode.

Trend models were initially developed to project forward postcode aggregates to 2026. These individual driver variables, such as population, dwellings and GSP, were constrained to the NIEIR Victorian level forecasts for each aggregate to 2026.

4.3.2 Multinet Gas energy and meter number forecasts

Within the Victorian postcode model, models were developed for residential and business Tariff V volumes and Tariff D volumes for Multinet Gas. The main features of the Multinet Gas postcode model were as follows.

- Tariff V meter numbers for residential were driven by the dwelling stock forecasts by postcode. The projected growth was adjusted by the difference between historical meter growth and historical dwelling stock growth. In addition, some exogenous adjustments were made to some postcodes with known expansions or developments.
- Average residential usage equations drove the postcode forecasts out to 2026. Average usage was determined by lagged usage, income per capita and a distributed lag structure on real gas prices.

- Total residential usage was meter numbers by projected average usage by postcode.
- Tariff V business volumes were driven by equations that included gross business output by postcode and a distributed lag on business real gas prices.
- Tariff D volumes by postcode were driven directly by the industry based Tariff D projections for Multinet Gas. An industry by postcode matrix was calculated and then the industry based Tariff D projections for total Multinet Gas drove the postcode projections. The Tariff D projections also included some assumptions regarding exogenous load losses and gains.[8]
- The Tariff D MHQs were also driven by an industry by postcode matrix and the total industry based MHQ projections for Multinet Gas.
- Meter numbers for Tariff D were derived from projected average usage along with the exogenous meter losses and gains.

It is important to note that all postcode aggregates for Multinet Gas – meter numbers, volumes and MHQ – were constrained to total Multinet Gas projections from the annual model. That is, all Multinet Gas Melbourne postcodes were constrained to the Multinet Gas Melbourne totals, all Yarra Valley postcodes to the Yarra Valley totals and all South Gippsland postcodes to the South Gippsland totals.

[8] There were gains projected in postcodes 3006, 3175, 3795 and some losses in 3207.

5. Peak day and peak hour projections for Multinet Gas to 2026

This section presents the forecasts for peak day and peak hour by pricing zone. Tariff V and Tariff D customer segments were forecast separately at their non-coincident levels, and reconciled back to their coincident system withdrawal levels.

5.1 1-in-2 and 1-in-20 peak day forecasts

The projections for the Melbourne region are contained in Figures 5.1 to 5.3 for the 1-in-2 and 1-in-20 peak day demand levels. These are inclusive of unaccounted for gas (UAFG).

Over the next 10 years it is expected that peak day gas demand will fall by 0.8 per cent per annum. This is comprised of a 1.06 per cent per annum fall in Tariff D peak day, and a 0.72 per cent fall in Tariff V peak day.

The South Gippsland region peak day forecasts are contained in Figures 5.4 and 5.5. Tariff V is expected to increase by 4 per cent per annum, while Tariff D is expected to remain relatively flat over the next 10 years with falls in one customer offset by expansions in the other.

Tables 5.1 and 5.2 present the peak day forecasts for the Melbourne and South Gippsland regions inclusive and exclusive of unaccounted for gas (UAFG).

Figure 5.1: Forecast Tariff V peak day, Melbourne

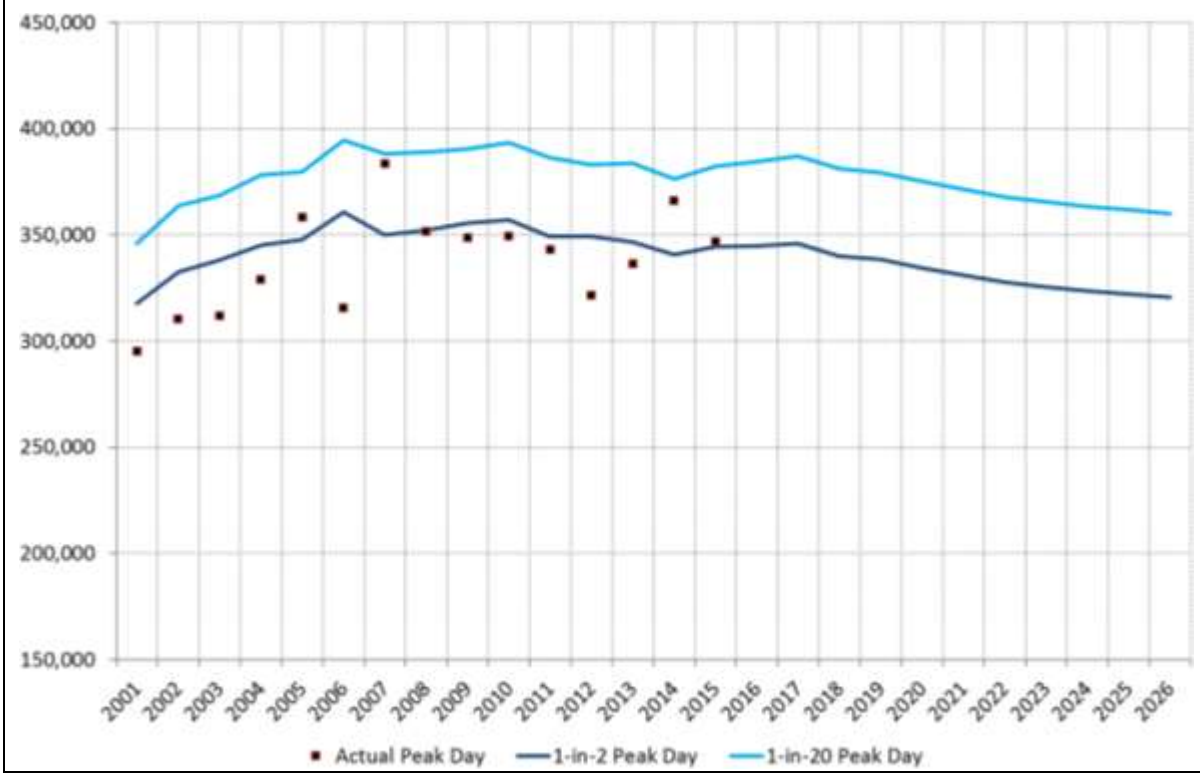


Figure 5.2: Forecast Tariff D peak day, Melbourne

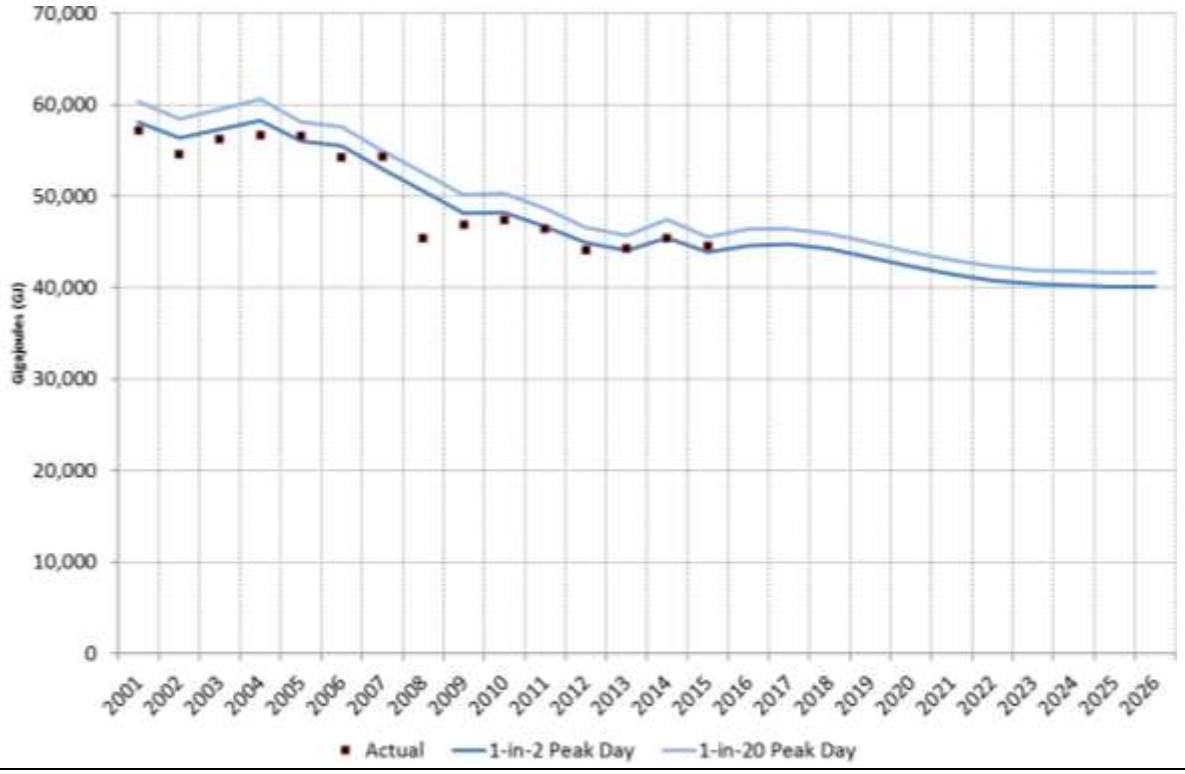


Figure 5.3: Forecast Melbourne total system withdrawals peak day

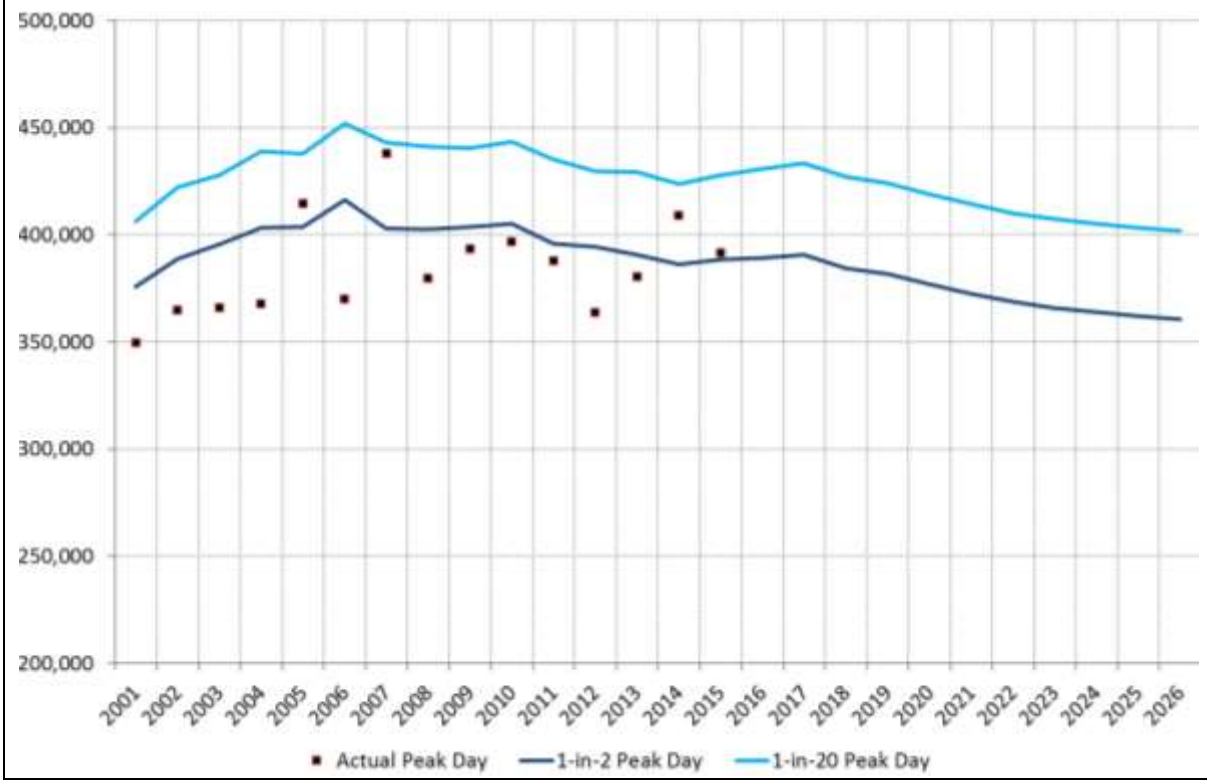


Figure 5.4: Forecast Tariff V peak day, South Gippsland

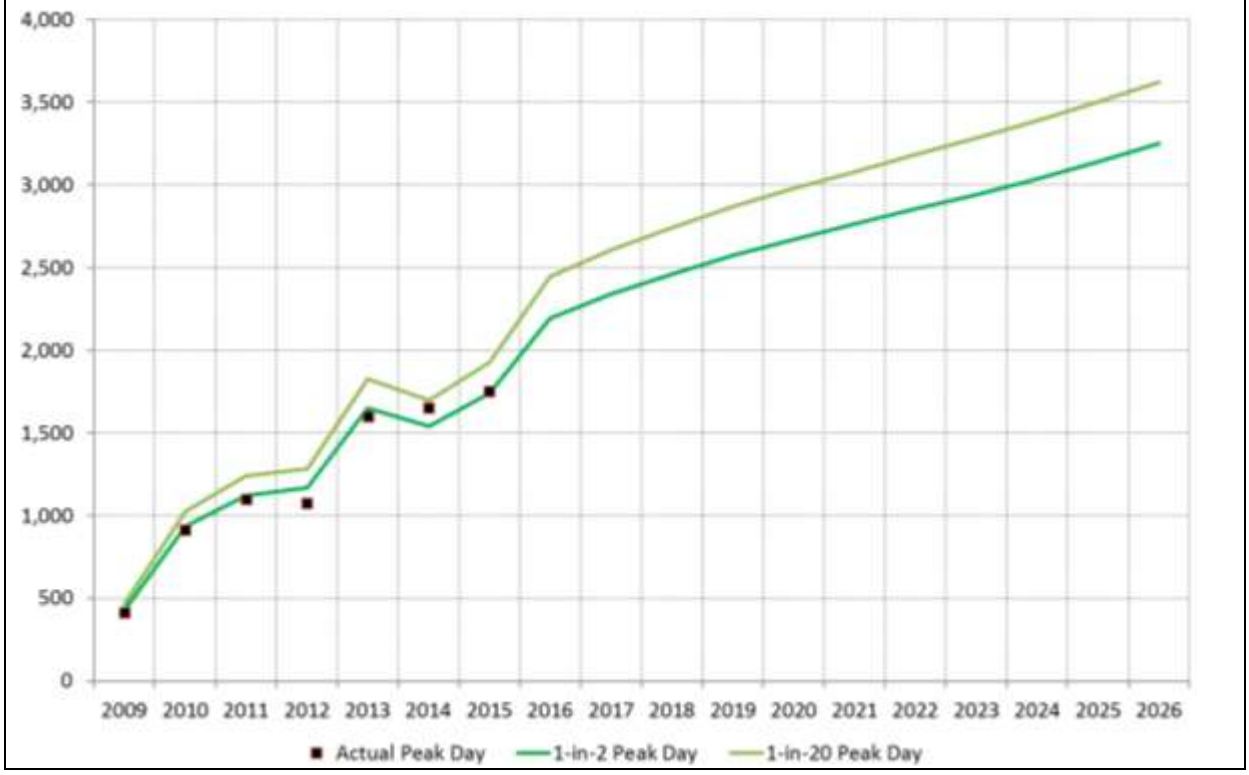


Figure 5.5: Forecast Tariff D peak day, South Gippsland

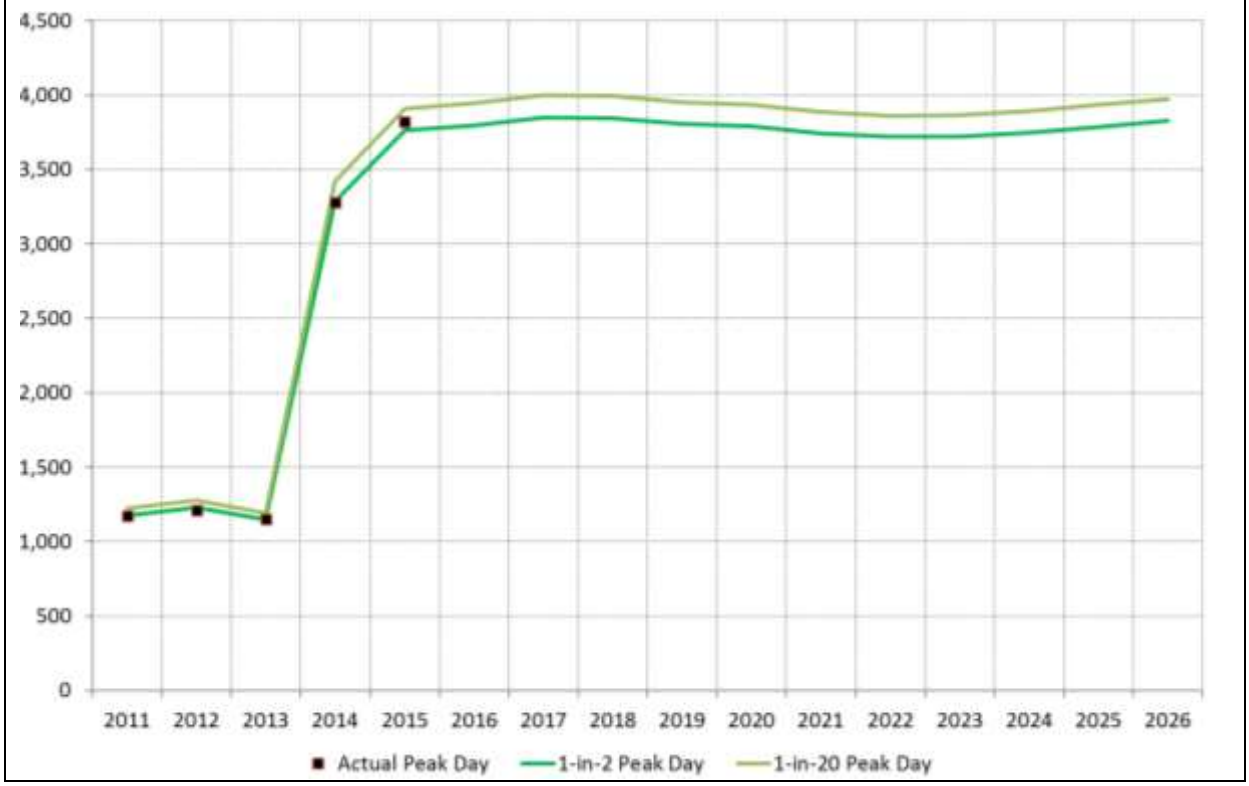


Table 5.1	1-in-2 and 1-in-20 peak day projections for the Melbourne region (GJ)														
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2018 to 2022	2016 to 2026
1-in-2 Peak Day															
Tariff D	exc. UAFG	42,156	42,866	42,976	42,479	41,593	40,652	39,819	39,193	38,801	38,669	38,522	38,524	-1.8%	-1.06%
	inc. UAFG	43,885	44,625	44,739	44,222	43,299	42,320	41,453	40,801	40,393	40,256	40,103	40,105	-1.8%	-1.06%
Tariff V	exc. UAFG	325,201	325,310	326,486	320,878	319,373	315,694	312,501	309,394	307,244	305,564	304,019	302,564	-1.1%	-0.72%
	inc. UAFG	344,566	344,681	345,927	339,985	338,390	334,492	331,110	327,817	325,540	323,759	322,123	320,581	-1.1%	-0.72%
Melbourne Total	**exc. UAFG**	**367,357**	**368,177**	**369,462**	**363,356**	**360,965**	**356,346**	**352,320**	**348,587**	**346,045**	**344,233**	**342,541**	**341,088**	**-1.2%**	**-0.76%**
	inc. UAFG	**388,452**	**389,307**	**390,666**	**384,207**	**381,690**	**376,812**	**372,562**	**368,618**	**365,933**	**364,015**	**362,226**	**360,686**	**-1.2%**	**-0.76%**
1-in-20 Peak Day															
Tariff D	exc. UAFG	43,778	44,594	44,586	44,071	43,154	42,179	41,316	40,668	40,263	40,128	39,976	39,979	-1.8%	-1.09%
	inc. UAFG	45,575	46,424	46,415	45,880	44,925	43,910	43,011	42,337	41,915	41,774	41,617	41,620	-1.8%	-1.09%
Tariff V	exc. UAFG	360,650	362,787	365,278	359,631	358,059	354,034	350,561	347,179	344,871	343,085	341,450	339,916	-1.0%	-0.65%
	inc. UAFG	382,126	384,389	387,029	381,046	379,381	375,116	371,436	367,853	365,407	363,515	361,783	360,157	-1.0%	-0.65%
Melbourne Total	**exc. UAFG**	**404,428**	**407,381**	**409,864**	**403,703**	**401,213**	**396,213**	**391,877**	**387,848**	**385,134**	**383,213**	**381,427**	**379,895**	**-1.1%**	**-0.70%**
	inc. UAFG	**427,700**	**430,813**	**433,444**	**426,926**	**424,305**	**419,026**	**414,447**	**410,190**	**407,322**	**405,289**	**403,399**	**401,777**	**-1.1%**	**-0.70%**

Table 5.2	1-in-2 and 1-in-20 peak day projections for the South Gippsland region (GJ)														
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2018 to 2022	2016 to 2026
1-in-2 Peak Day															
Tariff D	exc. UAFG	2,957	2,983	3,024	3,021	2,990	2,977	2,941	2,921	2,923	2,946	2,975	3,006	-0.7%	0.08%
	inc. UAFG	3,078	3,105	3,148	3,145	3,112	3,100	3,061	3,041	3,043	3,066	3,097	3,129	-0.7%	0.08%
Tariff V	exc. UAFG	1,342	1,693	1,806	1,898	1,986	2,061	2,133	2,202	2,271	2,345	2,425	2,507	4.0%	4.00%
	inc. UAFG	1,422	1,794	1,913	2,011	2,105	2,184	2,259	2,333	2,407	2,484	2,570	2,657	4.0%	4.00%
Melbourne Total	**exc. UAFG**	**4,299**	**4,676**	**4,830**	**4,919**	**4,976**	**5,038**	**5,073**	**5,123**	**5,195**	**5,290**	**5,401**	**5,513**	**1.2%**	**1.66%**
	inc. UAFG	**4,500**	**4,900**	**5,061**	**5,156**	**5,217**	**5,283**	**5,321**	**5,374**	**5,450**	**5,551**	**5,667**	**5,786**	**1.2%**	**1.68%**
1-in-20 Peak Day															
Tariff D	exc. UAFG	3,071	3,098	3,140	3,137	3,105	3,092	3,054	3,034	3,036	3,059	3,090	3,121	-0.7%	0.08%
	inc. UAFG	3,197	3,225	3,269	3,266	3,232	3,219	3,179	3,158	3,160	3,184	3,217	3,249	-0.7%	0.08%
Tariff V	exc. UAFG	1,488	1,889	2,014	2,117	2,215	2,299	2,378	2,456	2,533	2,615	2,705	2,796	4.0%	4.00%
	inc. UAFG	1,577	2,001	2,134	2,243	2,347	2,435	2,520	2,602	2,684	2,771	2,866	2,963	4.0%	4.00%
Melbourne Total	**exc. UAFG**	**4,559**	**4,986**	**5,154**	**5,254**	**5,320**	**5,391**	**5,432**	**5,489**	**5,569**	**5,674**	**5,795**	**5,918**	**1.3%**	**1.73%**
	inc. UAFG	**4,774**	**5,226**	**5,403**	**5,509**	**5,579**	**5,654**	**5,699**	**5,760**	**5,844**	**5,955**	**6,083**	**6,212**	**1.3%**	**1.74%**

5.2 1-in-2 and 1-in-20 peak hour forecasts

Figures 5.6 to 5.8 present the peak hour demand forecasts for 1-in-2 and 1-in-20 peak hour demand levels for the Melbourne region. These forecasts follow the peak day projections. Forecast data is contained in Tables 5.3 and 5.4 inclusive and exclusive of unaccounted for gas.

Figure 5.6: Forecast Tariff V coincident peak hour, Melbourne

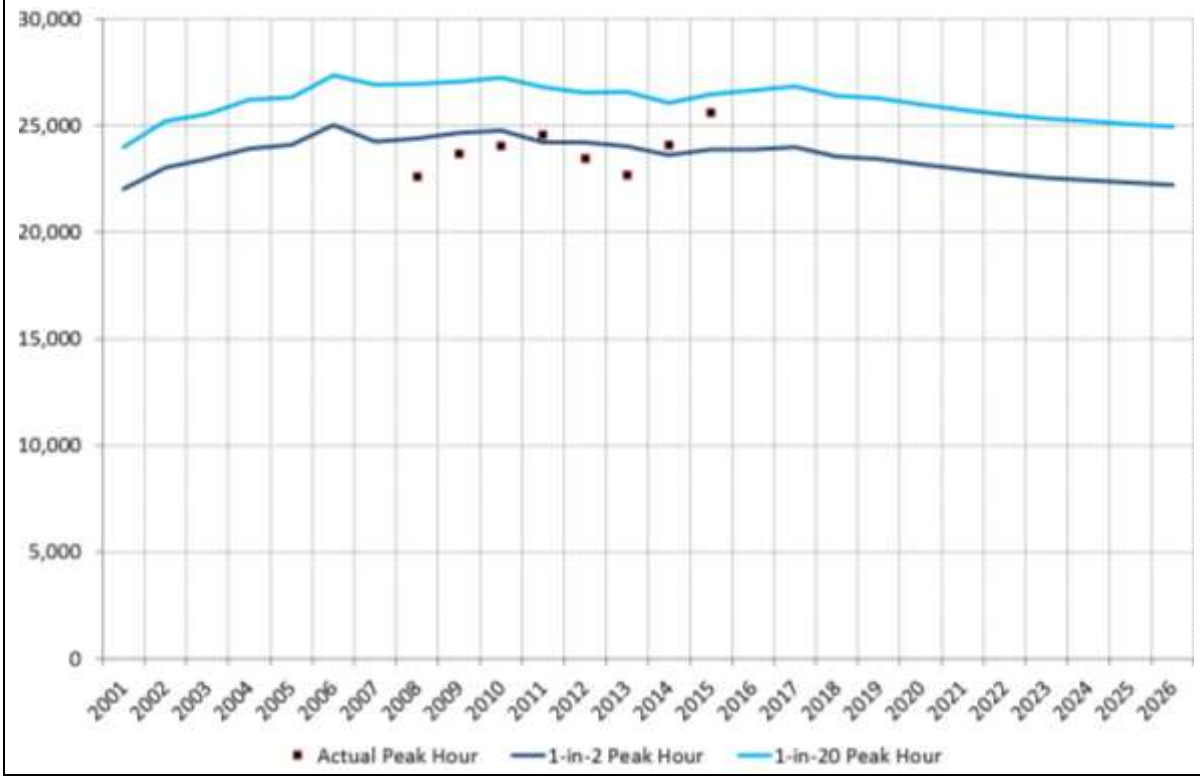


Figure 5.7: Forecast Tariff D coincident peak hour, Melbourne

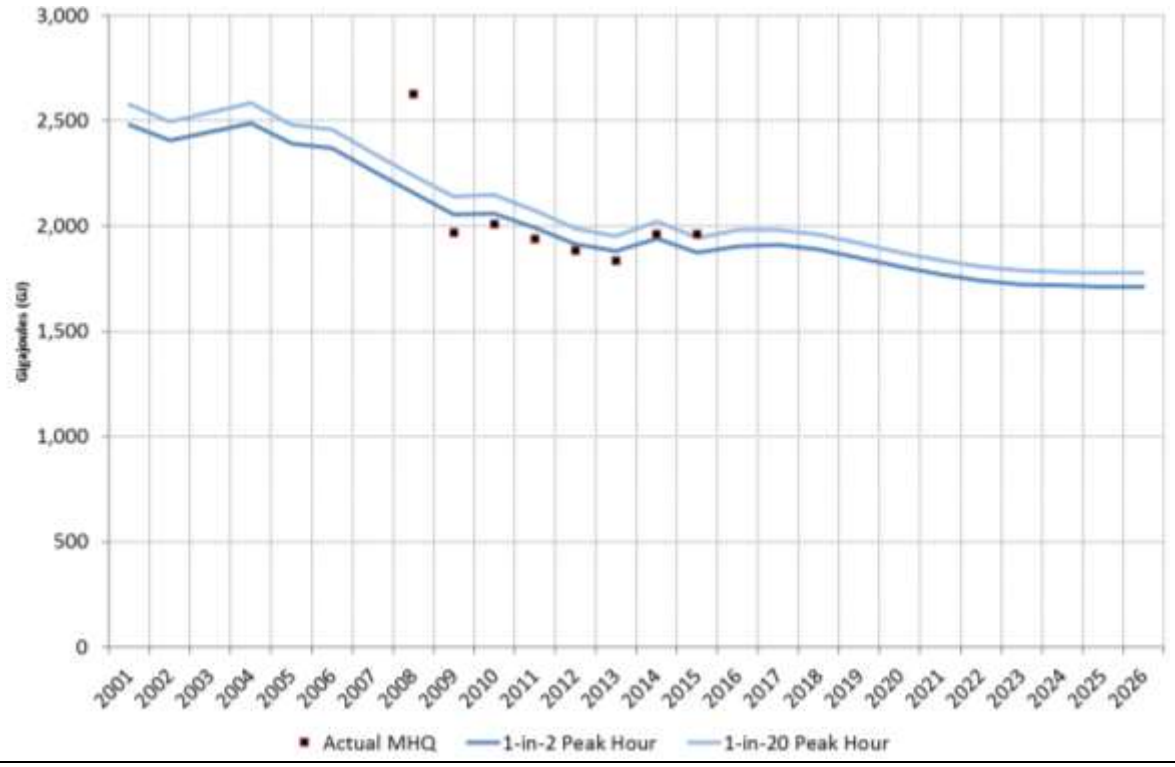


Figure 5.8: Forecast Melbourne total system withdrawals coincident peak hour

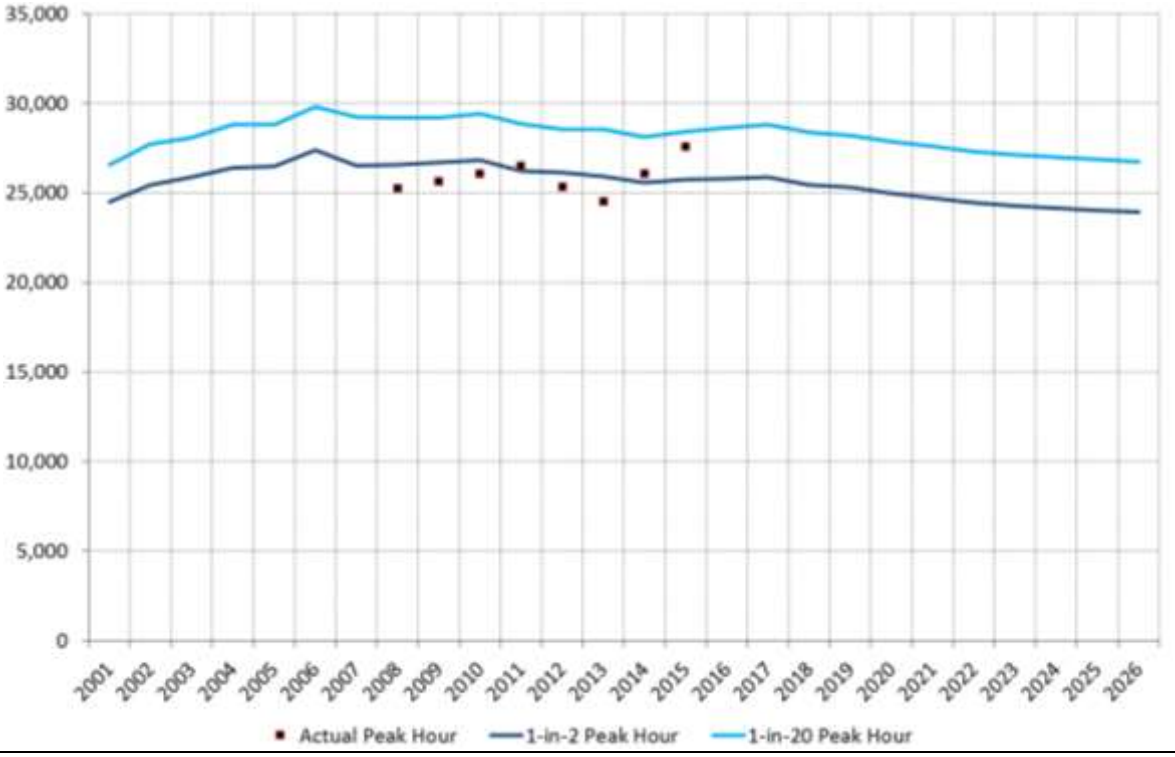


Table 5.3 1-in-2 and 1-in-20 coincident peak hour projections for the Melbourne region (GJ)													
		2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
1-in-2 Peak Hour													
Tariff D	exc. UAFG	1,799	1,830	1,834	1,813	1,775	1,735	1,700	1,673	1,656	1,650	1,644	1,644
	inc. UAFG	1,873	1,905	1,910	1,887	1,848	1,806	1,769	1,741	1,724	1,718	1,712	1,712
Tariff V	exc. UAFG	22,544	22,551	22,633	22,244	22,140	21,885	21,663	21,448	21,299	21,182	21,075	20,974
	inc. UAFG	23,886	23,894	23,980	23,569	23,458	23,188	22,953	22,725	22,567	22,444	22,330	22,223
Melbourne Total	**exc. UAFG**	**24,343**	**24,381**	**24,467**	**24,057**	**23,915**	**23,620**	**23,363**	**23,121**	**22,955**	**22,833**	**22,719**	**22,619**
	inc. UAFG	**25,759**	**25,799**	**25,890**	**25,456**	**25,306**	**24,994**	**24,723**	**24,466**	**24,291**	**24,162**	**24,042**	**23,935**
1-in-20 Peak Hour													
Tariff D	exc. UAFG	1,869	1,903	1,903	1,881	1,842	1,800	1,763	1,736	1,718	1,713	1,706	1,706
	inc. UAFG	1,945	1,981	1,981	1,958	1,917	1,874	1,836	1,807	1,789	1,783	1,776	1,776
Tariff V	exc. UAFG	25,001	25,149	25,322	24,930	24,821	24,542	24,302	24,067	23,907	23,783	23,670	23,564
	inc. UAFG	26,490	26,647	26,830	26,415	26,300	26,004	25,749	25,500	25,331	25,200	25,080	24,967
Melbourne Total	**exc. UAFG**	**26,870**	**27,053**	**27,225**	**26,811**	**26,663**	**26,343**	**26,065**	**25,803**	**25,626**	**25,496**	**25,376**	**25,270**
	inc. UAFG	**28,435**	**28,628**	**28,811**	**28,373**	**28,217**	**27,878**	**27,585**	**27,307**	**27,120**	**26,983**	**26,856**	**26,743**

Table 5.4 1-in-2 and 1-in-20 coincident peak day projections for the South Gippsland region (GJ)													
		2015	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**
1-in-2 Peak Hour													
Tariff D	exc. UAFG	171	173	175	175	173	173	170	169	169	171	172	174
	inc. UAFG	178	180	182	182	180	180	177	176	176	178	180	181
Tariff V	exc. UAFG	137	166	176	184	191	197	204	209	215	222	228	235
	inc. UAFG	145	176	186	195	203	209	216	222	228	235	242	249
South Gippsland Total	**exc. UAFG**	**308**	**339**	**351**	**359**	**364**	**370**	**374**	**379**	**385**	**392**	**401**	**410**
	inc. UAFG	**323**	**356**	**369**	**377**	**383**	**389**	**393**	**398**	**405**	**413**	**422**	**431**
1-in-20 Peak Hour													
Tariff D	exc. UAFG	178	180	182	182	180	179	177	176	176	177	179	181
	inc. UAFG	185	187	190	189	187	187	184	183	183	185	186	188
Tariff V	exc. UAFG	151	185	196	205	213	220	227	233	240	247	255	262
	inc. UAFG	160	196	208	217	226	233	240	247	254	262	270	278
South Gippsland Total	**exc. UAFG**	**329**	**365**	**378**	**387**	**393**	**399**	**404**	**409**	**416**	**424**	**434**	**443**
	inc. UAFG	**346**	**383**	**397**	**406**	**413**	**420**	**425**	**430**	**437**	**446**	**456**	**466**

5.3 Forecast reduction in peak day due to global and urban warming

The warming trend in the EDD index represents a significant driver of the reductions in peak day and by extension, peak hour demand. The annual impact of the warming trend is assessed for Tariff V by multiplying the coefficients on the EDD index and its lagged values, by the respective change in the 1-in-2 weather standards for the EDD and its lagged value. Similarly, the change in Tariff D peak day due to global and urban warming is calculated by the same for the EDD index coefficient alone.

Table 5.5 presents the cumulative impact of global and urban warming on the Multinet Gas Melbourne region. This shows the increase in the forecast that would occur if there was no warming trend in the EDD index. For example, all else being equal, the Tariff V forecast would be 9,926 GJ higher in 2026 under a constant 2015 weather standard.

Table 5.5 Cumulative impact of global and urban warming on peak day forecasts – 2016 to 2026 (GJ)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Tariff D	31	61	91	121	150	179	207	235	262	290	318
Tariff V	908	1,838	2,752	3,667	4,573	5,474	6,369	7,261	8,151	9,040	9,926
Total	**938**	**1,899**	**2,844**	**3,788**	**4,724**	**5,653**	**6,576**	**7,496**	**8,414**	**9,330**	**10,244**

6. Natural gas sales and customer number forecasts to 2026 – Multinet Gas region

6.1 Introduction

This section presents natural gas demand forecasts by class and tariff to 2026 for the Multinet Gas distribution region. Forecast numbers were prepared on a calendar year basis to 2026.

Forecasts of natural gas sales, customer numbers and MHQ are presented for the following:

- Tariff V by class; and
- Tariff D by class and industry.

6.2 Overall trends in Multinet Gas volumes

Figures 6.1 and 6.2 show Multinet Gas volumes for Tariff V and D from 2001 to 2015. These volumes are calendar year volumes and are weather normalised. They are for Multinet Gas Melbourne.

From Figure 6.1, total Tariff V volumes rose from 43.7 PJs in 2001 to peak at 45.9 PJs in 2008, but fell thereafter to 44.7 PJs in 2012 and 42.8 PJs in 2015.

For Tariff D, from Figure 6.2, volumes reached 14.7 PJs in 2004 before falling to 12.1 PJs in 2008 and 11.3 PJs in 2012 and 11.3 PJs in 2015.

Figure 6.1: Tariff V Multinet Gas Melbourne – weather normalised (TJs)

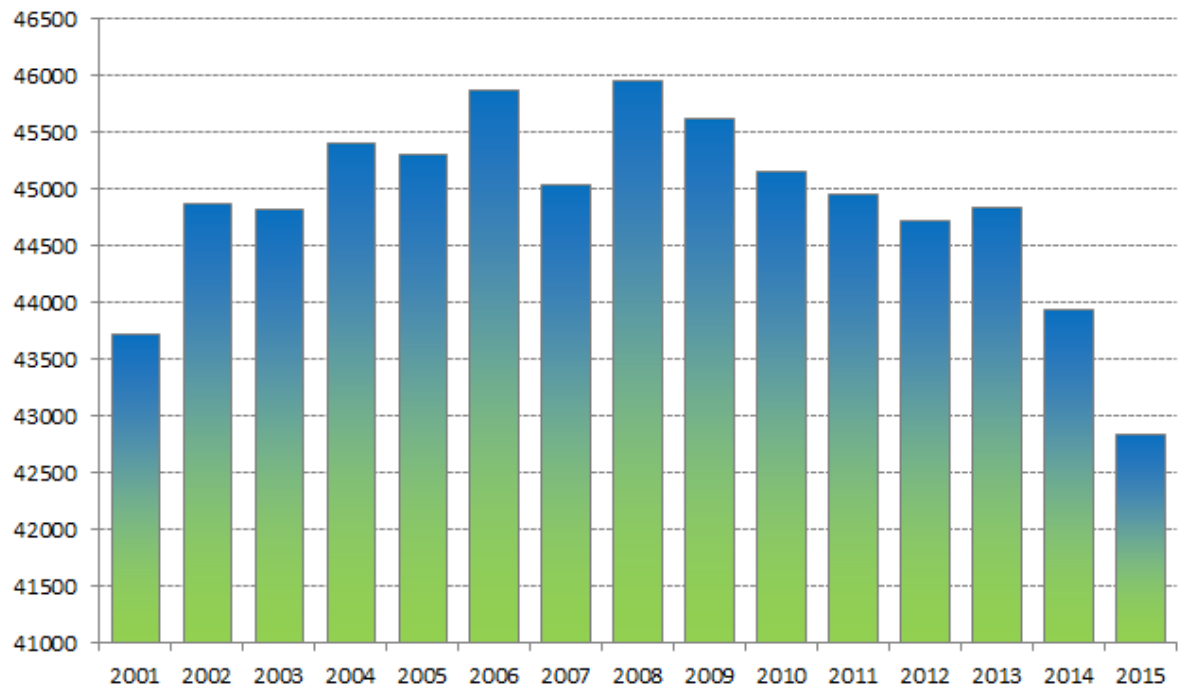
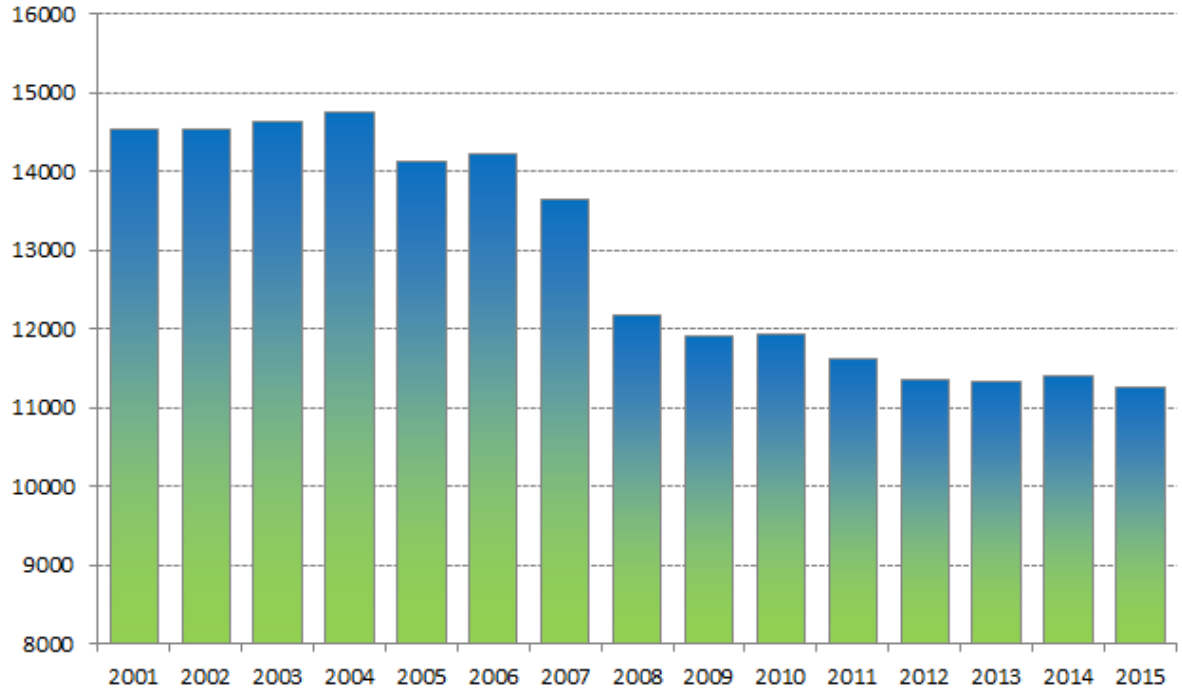


Figure 6.2: Tariff D Multinet Gas Melbourne – weather normalised (TJs)



6.3 Natural gas sales forecasts for Multinet Gas to 2026

The forecasts for each metric are presented for:

(i) total Multinet Gas;

(ii) Multinet Gas-Melbourne;

(iii) Yarra Valley; and

(iv) South Gippsland.

The commentary below focuses on Total Multinet Gas. Projections for Melbourne, Yarra Valley and South Gippsland are tabulated separately.

Table 6.1 shows forecasts of natural gas sales by tariff and class on a calendar year basis to 2026 for the Multinet Gas distribution region. Tables 6.2 and 6.3 show customers by tariff and class and MHQ for Tariff D. The Tariff D volume forecasts include unaccounted for gas or losses. The Tariff V forecasts are shown on a class basis, excluding unaccounted for gas. The loss factor for Tariff V used for Multinet Gas was 6.0 per cent.

Tariff V

Tariff V volumes for Multinet Gas represent around 69 per cent of total volumes in 2015. As indicated in Table 6.1, total Tariff V volume growth is forecast to be -1.1 per cent per annum over the 2016 to 2026 period. The slow residential volume growth in the Multinet Gas region reflects slow customer growth, the impact of the 6-star efficiency standard, MEPS and gas price increases.

Residential volume growth on a weather normalised basis is -1.0 per cent per annum over the 2016 to 2026 period. Residential volumes for Multinet Gas represent around 69 per cent of total gas sales.

Average residential usage for both existing and new dwellings is projected to continue to fall over the projection period. The customer numbers forecasts developed take into account both net and gross customer movements.

Total average residential usage falls from 56.8 GJ per dwelling in 2015 to 55.1 GJ by 2018 and 48.6 GJ per dwelling by 2026. New customer usage falls from nearly 41.0 GJ per dwelling in 2016 to 38 GJ per dwelling by 2026. These movements in average consumption reflect:

(i) the shift in the dwelling stock from separate houses to multi-unit dwellings and apartments;

(ii) the volume reductions associated with higher gas prices projected;

(iii) the warming trend for Tariff V; and

(iii) the impact of Federal and State greenhouse and energy policies outlined in Chapter 6 of this report.

Figure 6.5 shows the percentage growth in volumes by class and tariff over the 2016 to 2026 period for Multinet Gas. Figure 6.6 shows total volume growth by class and tariff over the same period.

Business Tariff V gas consumption represented around 1.0 per cent of total Multinet Gas sales volumes in 2015. Forecast growth over the 2016 to 2026 period is -1.8 per cent per annum. Tariff L volumes fall by 0.7 per cent per annum over the same period.

Figure 6.3: Total average residential gas usage per customer – Total Multinet Gas (GJs)

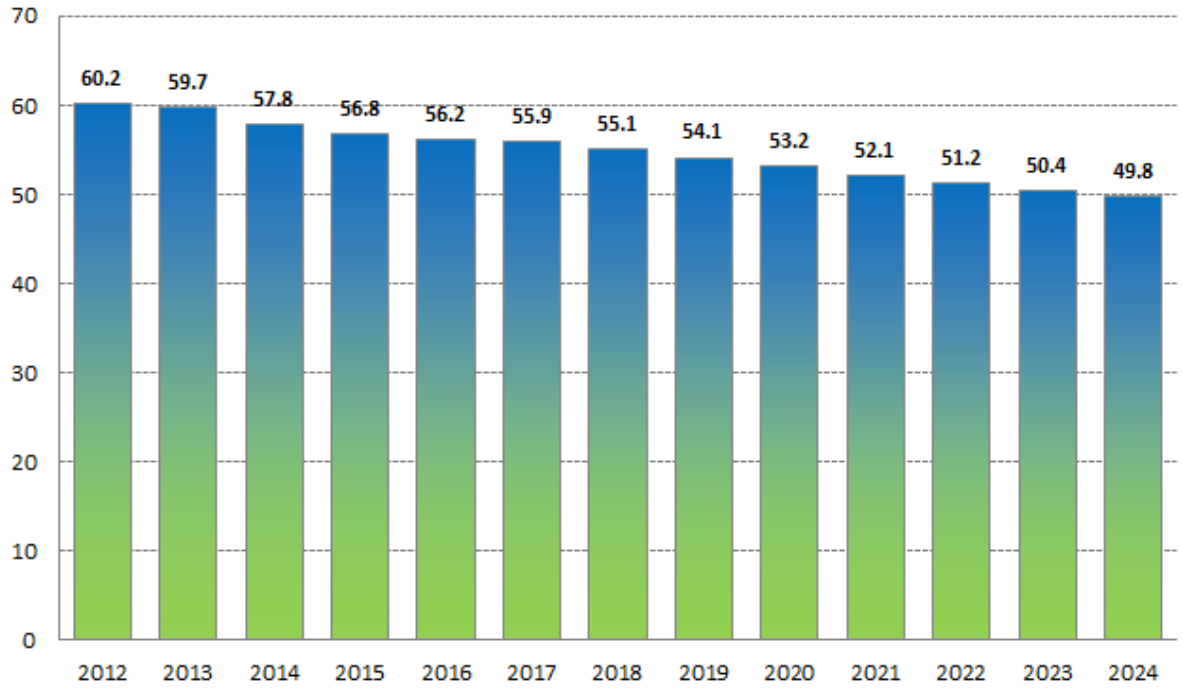
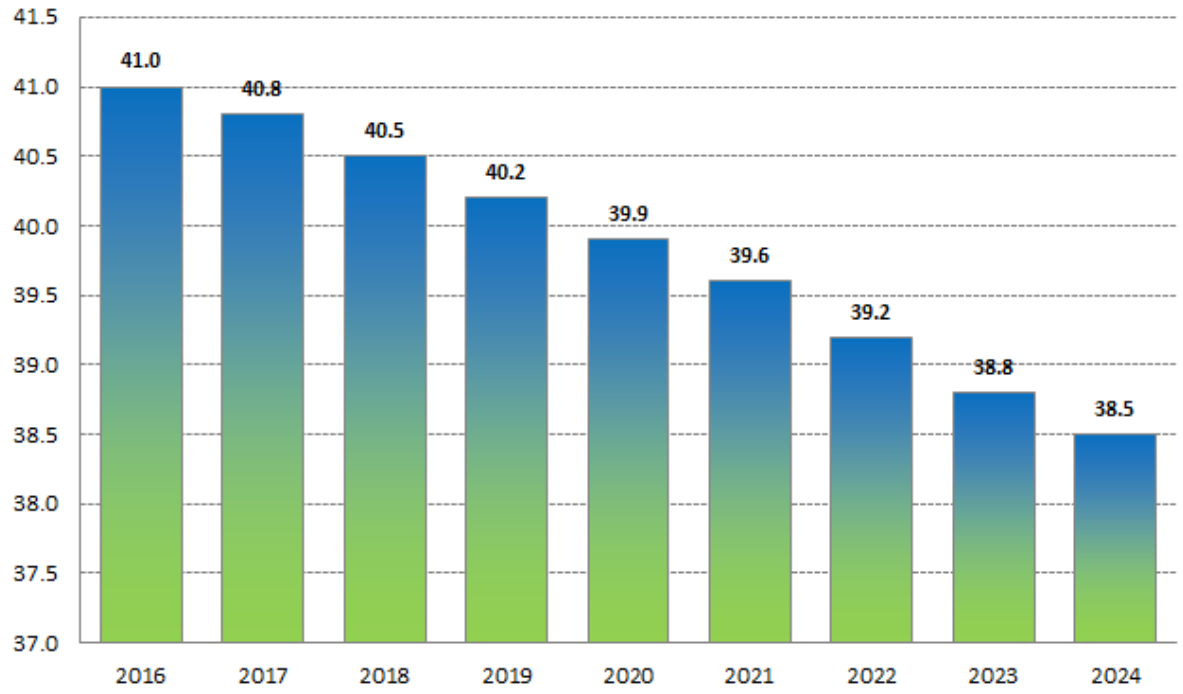


Figure 6.4: Total new residential usage per customer – Total Multinet Gas (GJs)



Tariff D

Industrial Tariff D natural gas consumption from the Multinet Gas region falls by 1.0 per cent per year. There have been a number of major customer losses over recent years in Victoria. Many manufacturers have either closed their Victorian production facilities altogether, or shifted their operations overseas, to countries like China.

The projections for Tariff D to 2026 reflect a number of alternative sources of information:

- short term expected changes in gas use collated from a survey of major Tariff D customers by Multinet Gas; and
- the economic prospects for each sector, in terms of overall real output growth projections to 2026. These are produced as part of NIEIR's economic forecast.

A planned expansion by Burra Foods on the South Gippsland network is included in the forecast, but it is largely offset by reduced volumes from another customer on the network.

Figure 6.5: Natural gas sales by tariff and class – 2016 to 2026 – Base scenario (percentage annual growth)

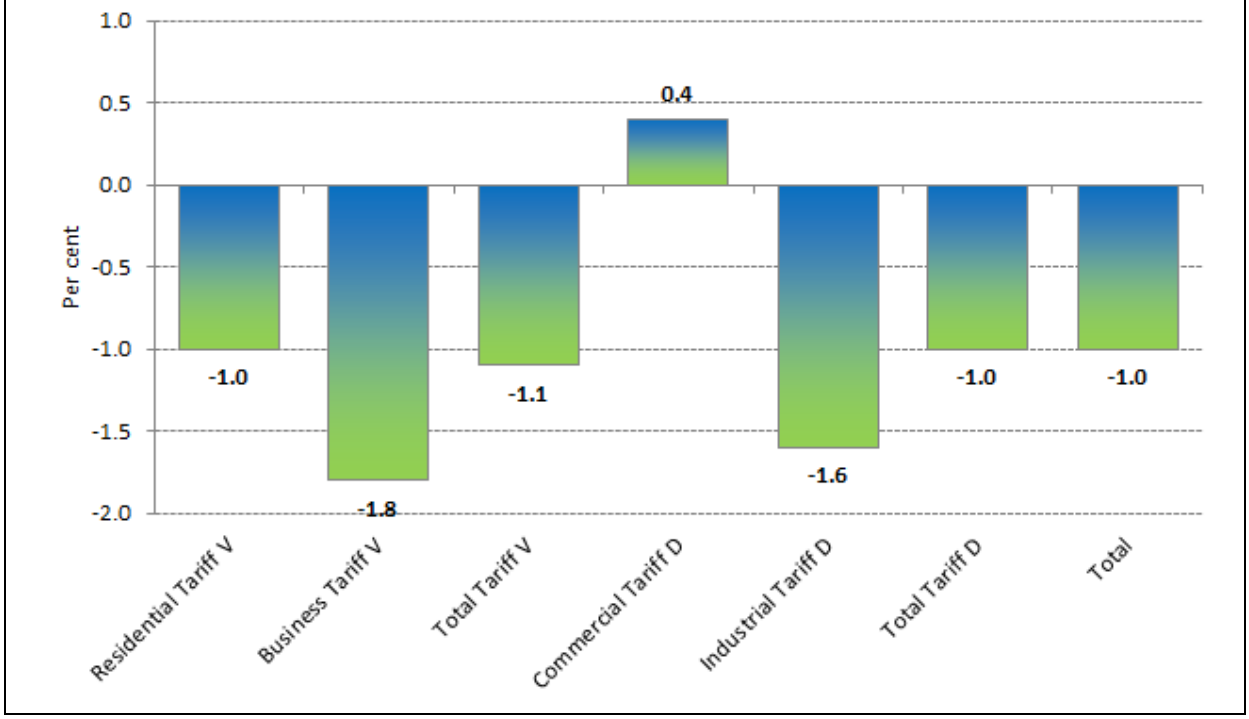
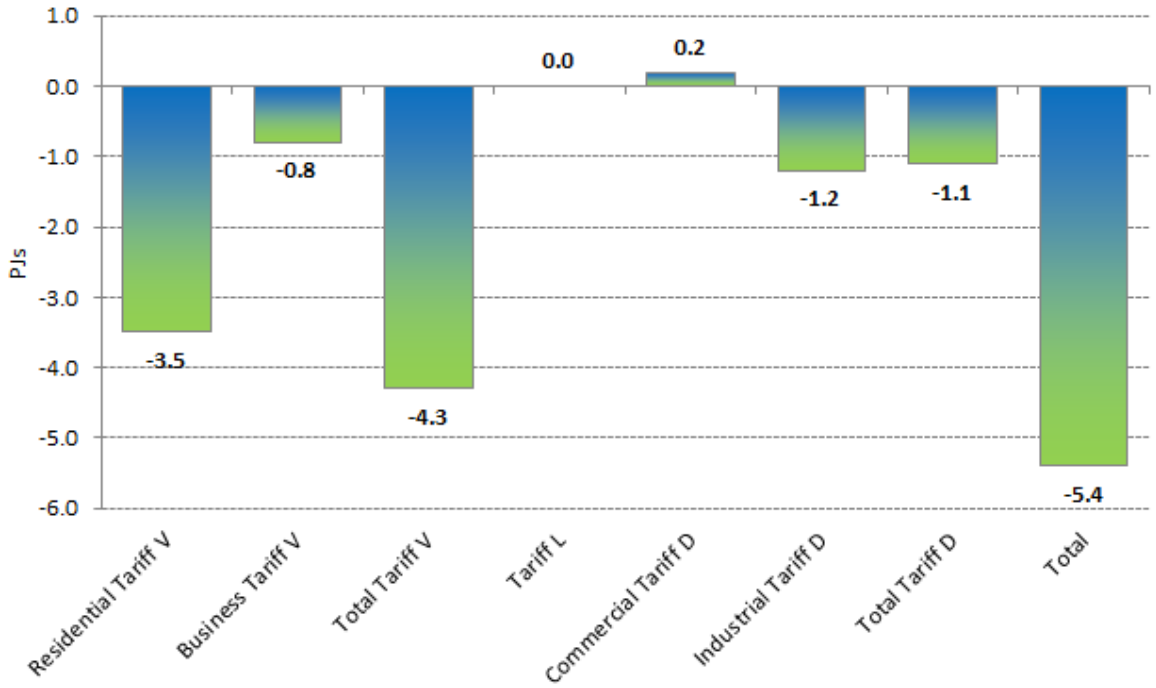


Figure 6.6: Natural gas sales by tariff and class – 2016 to 2026 – Base scenario volume growth (PJs)

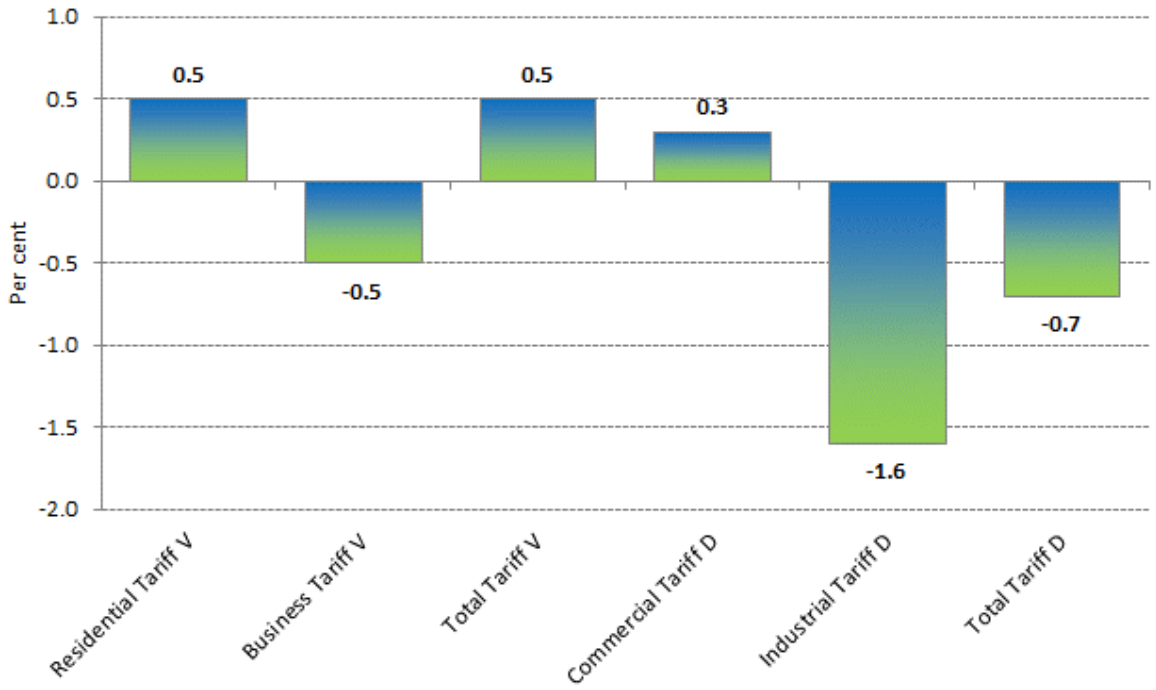


6.4 Customer number and MHQ forecasts to 2026

Table 6.2 presents average customer number forecasts by tariff and class to 2026, and Table 6.3 shows Tariff D maximum hourly quantity projections.

Figure 6.7 shows customer growth by tariff and class over the 2016 to 2026 period for the Multinet Gas distribution region. Figure 6.8 shows the average annual percentage change for Tariff D between 2016 and 2026 in total volumes, total customers and total MHQs.

Figure 6.7: Natural gas customer growth by tariff and class – 2016 to 2026 (percentage annual growth)



Note: Excludes Tariff L customers.

Figure 6.8: Tariff D volume, customer and MHQ growth – 2016 to 2026 (average percentage change)

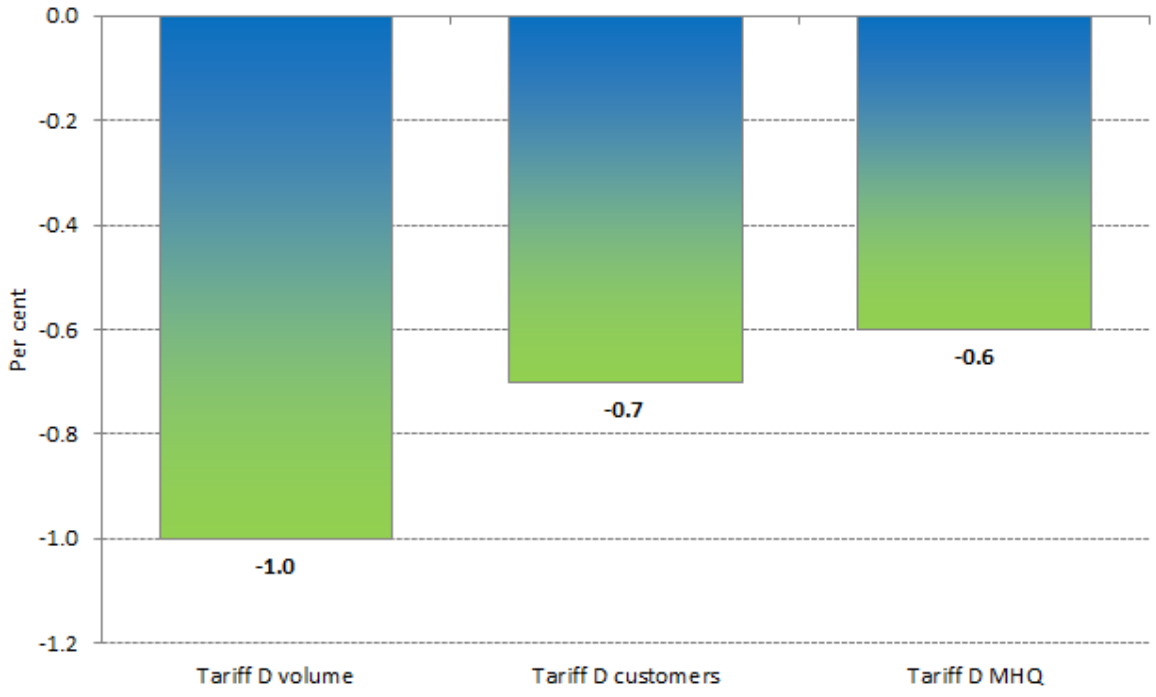


Table 6.1 Multinet Gas Total – volumes – weather normalised (TJs)																
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Average growth (%) 2016-2026	Volume growth 2016-2026
System Total	**56890.4**	**56287.2**	**55604.5**	**54848.5**	**54835.1**	**54273.0**	**53434.2**	**52608.1**	**51712.9**	**50943.1**	**50380.8**	**50011.2**	**49672.2**	**49391.0**	**-1.0**	**-5457.6**
Tariff V	**45240.4**	**44319.9**	**43315.6**	**43039.2**	**42983.8**	**42547.3**	**41942.6**	**41364.7**	**40689.1**	**40082.3**	**39618.6**	**39275.9**	**38968.2**	**38677.2**	**-1.1**	**-4362.0**
Residential Tariff V	*39792.1*	*38792.2*	*38357.4*	*38121.3*	*38071.7*	*37715.0*	*37231.1*	*36776.8*	*36241.3*	*35748.4*	*35373.3*	*35093.8*	*34836.7*	*34594.2*	*-1.0*	*-3527.1*
Existing Customers	39792.1	38792.2	38357.4	37867.7	37549.1	36930.2	36183.1	35470.5	34682.2	33947.2	33324.4	32813.9	32334.1	31860.3	-1.7	-6007.4
New Customers- cumulative	0.0	0.0	0.0	253.6	522.6	784.8	1048.0	1306.4	1559.1	1801.2	2048.9	2279.9	2502.6	2733.9	26.8	2480.3
Business Tariff V	5448.3	5527.7	4958.3	4918.0	4912.0	4832.2	4711.5	4587.9	4447.8	4333.8	4245.3	4182.1	4131.5	4083.0	-1.8	-834.9
Tariff L	73.5	78.3	78.7	67.3	68.4	68.4	66.6	66.4	65.8	65.0	64.4	63.8	63.1	62.5	-0.7	-4.8
Tariff D	**11576.4**	**11889.0**	**12210.2**	**11742.0**	**11782.9**	**11657.4**	**11424.9**	**11176.9**	**10958.0**	**10795.9**	**10697.8**	**10671.6**	**10640.9**	**10651.3**	**-1.0**	**-1090.7**
Commercial Tariff D	*3532.0*	*3517.5*	*3347.6*	*3417.4*	*3484.4*	*3513.9*	*3515.6*	*3510.2*	*3492.2*	*3493.4*	*3508.0*	*3536.5*	*3533.3*	*3571.0*	*0.4*	*153.6*
Electricity, Gas & Water (ex GPG)	8.8	52.8	34.9	35.2	35.6	35.6	35.3	34.9	34.5	34.2	34.1	34.0	34.1	34.1	-0.3	-1.1
Construction	180.0	180.2	184.8	189.7	194.9	198.1	199.8	201.1	202.6	204.2	206.6	210.0	214.2	218.3	1.4	28.6
Wholesale Trade & Retail Trade	220.5	212.8	227.3	232.3	237.6	240.4	241.3	241.3	240.1	240.9	242.6	245.0	248.2	251.7	0.8	19.3
Transport & Storage and Communication Services	10.7	12.3	15.7	16.1	16.5	16.7	16.8	16.8	16.8	16.9	17.0	17.2	17.5	17.8	1.0	1.7
Finance Insurance Property & Business Services plus distributed cogeneration assumption	123.5	176.6	97.2	104.2	107.1	108.9	109.9	110.8	111.5	112.5	114.0	115.9	96.6	97.1	-0.7	-7.1
Government Administration, Defence, Education, Health & Community Serv.	1748.3	1712.4	1615.6	1644.6	1672.7	1682.4	1679.0	1672.6	1658.3	1654.6	1657.5	1667.2	1660.6	1674.2	0.2	29.6
Accommodation, Cafes, Restaurants, Cultural & Recreat. Serv., Personal & Other Serv.	1240.1	1170.4	1172.2	1195.3	1220.1	1231.7	1233.5	1232.6	1228.3	1230.0	1236.3	1247.2	1262.1	1277.8	0.7	82.5
Industrial Tariff D	*8044.5*	*8371.5*	*8862.6*	*8324.6*	*8298.5*	*8143.5*	*7909.3*	*7666.7*	*7465.8*	*7302.5*	*7189.8*	*7135.0*	*7107.6*	*7080.3*	*-1.6*	*-1244.3*
Agriculture	83.9	76.4	104.7	107.7	110.4	111.3	111.2	110.9	110.0	110.0	110.7	112.1	113.8	115.6	0.7	7.9
Mining	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	0.0
Food, beverages, tobacco manuf.	1444.1	1677.6	2151.3	2174.2	2197.7	2186.4	2154.4	2125.9	2085.5	2059.1	2047.2	2048.5	2056.1	2064.7	-0.5	-109.5
Textiles, clothing & footwear manuf.	29.3	34.6	40.1	38.3	36.7	34.5	32.0	29.6	27.8	26.0	24.4	23.1	21.9	20.8	-5.9	-17.5
Wood and paper, wood products and paper product manuf.	1426.1	1317.8	1240.4	1102.5	1061.1	997.7	924.1	851.0	824.4	800.7	785.8	780.0	777.2	774.7	-3.5	-327.8
Chemicals, petroleum, coal manuf.	767.2	739.9	788.2	776.3	761.6	734.3	701.1	667.7	635.9	607.5	583.7	564.9	548.7	532.7	-3.7	-243.7
Non-metallic minerals manuf.	2746.8	2979.4	2999.2	2756.1	2800.6	2794.2	2756.8	2708.1	2663.1	2629.0	2608.0	2606.7	2615.9	2623.3	-0.5	-132.8
Basic & fabricated metal products manuf.	470.3	536.6	566.2	521.8	510.4	489.6	464.3	438.5	413.6	390.9	371.3	355.4	341.2	327.1	-4.6	-194.7
Transport & other machinery equip. manuf.	567.6	501.4	457.2	329.8	301.5	285.3	268.1	250.8	234.4	219.7	207.5	198.3	190.3	182.5	-5.7	-147.3
Miscellaneous manuf.	509.0	508.0	515.4	517.9	518.5	510.2	497.4	484.1	471.1	459.6	451.1	446.1	442.5	438.9	-1.6	-79.0

Table 6.2 Multinet Gas Total – customers – net customer growth (numbers)															
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Average growth (%) 2016-2026
System Total	**682734**	**687432**	**691129**	**693932**	**697317**	**700584**	**703940**	**707312**	**710449**	**713668**	**717155**	**720289**	**723266**	**726546**	**0.5**
Tariff V	**682452**	**687150**	**690845**	**693655**	**697038**	**700307**	**703667**	**707042**	**710183**	**713405**	**716893**	**720028**	**723006**	**726286**	**0.5**
Residential Tariff V	*666241*	*670964*	*674931*	*677975*	*681420*	*684783*	*688279*	*691752*	*695209*	*698507*	*702048*	*705212*	*708224*	*711548*	*0.5*
Existing Customers	666241	670964	674931	671778	668610	665428	662232	659021	655796	652558	649304	646038	642759	639467	-0.5
New Customers- cumulative	0	0	0	3044	6489	9852	13348	16821	20278	23576	27117	30281	33293	36617	28.2
Business Tariff V	*16211*	*16186*	*15914*	*15680*	*15618*	*15524*	*15388*	*15290*	*14974*	*14898*	*14845*	*14816*	*14783*	*14737*	*-0.6*
Tariff L	*16*	*16*	*15*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*14*	*0.0*
Tariff D	**266**	**266**	**269**	**263**	**265**	**263**	**259**	**256**	**252**	**249**	**248**	**247**	**246**	**246**	**-0.7**
Commercial Tariff D	*113*	*115*	*120*	*121*	*123*	*124*	*123*	*123*	*123*	*123*	*123*	*124*	*124*	*125*	*0.3*
Electricity, Gas & Water (ex GPG)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-0.1
Construction	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0.5
Wholesale Trade & Retail Trade	15	15	16	16	16	16	16	16	16	16	16	16	17	17	0.6
Transport & Storage and Communication Services	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6
Finance Insurance Property & Business Services plus distributed cogeneration assumption	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-0.4
Government Administration, Defence, Education, Health & Community Serv.	49	50	52	52	53	53	53	53	52	52	52	53	52	53	0.1
Accommodation, Cafes, Restaurants, Cultural & Recreat. Serv., Personal & Other Serv.	42	43	44	45	46	46	46	46	46	46	46	46	47	47	0.4
Industrial Tariff D	*153*	*151*	*149*	*142*	*142*	*139*	*136*	*133*	*129*	*126*	*125*	*123*	*122*	*121*	*-1.6*
Agriculture	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0.5
Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Food, beverages, tobacco manuf.	32	32	32	32	32	32	32	31	31	31	30	30	30	30	-0.4
Textiles, clothing & footwear manuf.	6	6		6	6	5	5	5	4	4	4	4	4	4	-4.5
Wood and paper, wood products and paper product manuf.	13	13	13	12	12	12	11	11	11	10	10	10	10	10	-1.4
Chemicals, petroleum, coal manuf.	24	24	24	23	23	23	22	21	20	20	19	19	19	18	-2.5
Non-metallic minerals manuf.	15	15	15	14	14	14	14	14	14	14	14	14	14	14	0.0
Basic & fabricated metal products manuf.	22	22	22	20	20	20	19	19	18	17	17	16	16	15	-2.8
Transport & other machinery equip. manuf.	19	19	19	14	14	13	13	12	12	11	11	10	10	10	-3.8
Miscellaneous manuf.	13	13	13	13	13	13	13	12	12	12	12	12	12	12	-0.9

Table 6.3 Multinet Gas Total – MHQ																
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Average growth (%) 2016-2026	Volume growth 2016-2026
System Total	**3622.4**	**3784.9**	**3783.7**	**3723.3**	**3689.8**	**3672.3**	**3637.9**	**3598.8**	**3578.1**	**3544.7**	**3520.9**	**3508.1**	**3501.9**	**3498.7**	**-0.6**	**-224.5**
Tariff V	**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**	**0.0**
Residential Tariff V	*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*	*0.0*
Existing Customers	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	0.0
New Customers- cumulative	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	0.0
Business Tariff V	*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*	*0.0*
Tariff L	*57.6*	*57.5*	*57.1*	*50.4*	*51.1*	*51.1*	*50.0*	*49.9*	*49.5*	*49.0*	*48.7*	*48.3*	*47.9*	*47.5*	*-0.6*	*-2.9*
Tariff D	**3564.8**	**3727.4**	**3726.6**	**3672.9**	**3638.7**	**3621.2**	**3587.9**	**3548.9**	**3528.6**	**3495.6**	**3472.2**	**3459.8**	**3454.0**	**3451.2**	**-0.6**	**-221.6**
Commercial Tariff D	*1348.0*	*1402.5*	*1431.2*	*1441.2*	*1449.3*	*1454.2*	*1455.6*	*1455.0*	*1454.5*	*1453.7*	*1455.0*	*1458.3*	*1461.0*	*1464.2*	*0.2*	*22.9*
Electricity, Gas & Water (ex GPG)	0.0	23.1	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	0.0	0.0
Construction	101.3	94.4	92.8	94.4	95.7	96.7	97.4	97.8	98.0	98.5	99.1	100.0	101.1	102.3	0.8	8.0
Wholesale Trade & Retail Trade	187.7	156.5	151.5	152.1	152.6	152.9	153.0	153.0	153.0	153.0	153.1	153.3	153.6	154.0	0.1	1.9
Transport & Storage and Communication Services	4.1	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.2	0.1
Finance Insurance Property & Business Services plus distributed cogeneration assumption	26.2	26.2	26.3	26.9	27.3	27.5	27.6	27.7	27.8	27.9	28.0	28.1	27.3	26.3	-0.2	-0.6
Government Administration, Defence, Education, Health & Community Serv.	623.7	623.0	639.1	642.9	645.8	647.2	647.2	646.2	645.6	644.5	644.4	645.2	645.4	645.9	0.0	3.0
Accommodation, Cafes, Restaurants, Cultural & Recreat. Serv., Personal & Other Serv.	404.9	475.0	500.1	503.6	506.5	508.4	509.0	508.8	508.7	508.5	509.0	510.3	512.1	514.3	0.2	10.7
Industrial Tariff D	*2216.8*	*2324.9*	*2295.4*	*2231.6*	*2189.4*	*2167.0*	*2132.3*	*2093.9*	*2074.1*	*2042.0*	*2017.2*	*2001.5*	*1993.1*	*1987.0*	*-1.2*	*-244.6*
Agriculture	56.5	53.6	60.3	60.7	61.0	61.1	61.1	61.1	61.0	61.0	61.0	61.1	61.3	61.6	0.1	0.9
Mining	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	0.0
Food, beverages, tobacco manuf.	422.6	514.6	532.8	537.0	538.8	537.1	531.9	524.8	521.2	514.3	509.9	507.9	507.7	508.2	-0.5	-28.8
Textiles, clothing & footwear manuf.	21.2	19.5	18.0	17.9	17.7	17.4	17.2	16.9	16.8	16.5	16.3	16.1	15.9	15.7	-1.3	-2.2
Wood and paper, wood products and paper product manuf.	269.4	240.4	239.1	223.6	211.6	202.5	191.7	182.7	178.1	174.1	171.0	169.3	168.6	168.2	-2.8	-55.5
Chemicals, petroleum, coal manuf.	258.8	285.0	292.5	291.2	289.3	286.6	283.1	279.3	277.4	273.8	270.5	267.8	265.4	263.3	-1.0	-27.9
Non-metallic minerals manuf.	603.1	602.6	605.6	578.8	566.3	566.3	560.7	552.7	548.3	541.0	536.0	533.9	534.6	536.2	-0.8	-42.6
Basic & fabricated metal products manuf.	155.5	206.0	165.4	161.4	158.3	155.9	152.7	149.4	147.6	144.2	141.2	138.5	136.2	133.9	-1.8	-27.5
Transport & other machinery equip. manuf.	297.1	269.4	235.9	215.0	200.7	195.2	190.5	185.6	183.0	178.3	174.0	170.4	167.5	164.7	-2.6	-50.3
Miscellaneous manuf.	132.6	133.8	145.8	146.1	145.8	144.9	143.3	141.5	140.6	138.8	137.4	136.4	135.8	135.3	-0.8	-10.8

7. Forecasts for Multinet Gas postcodes

7.1 Introduction

This section outlines specific postcode level forecast results over the forecast period to 2026. Energy and meter number growth are considered. Detailed forecasts for the base scenario can be found in Appendices B to D. This commentary focuses on the base economic scenario forecasts to 2026.

7.2 Energy consumption by postcode to 2026

This section outlines the key features of Multinet Gas postcode level energy forecasts. Figures 7.1 and 7.2 illustrate the top and bottom 10 postcodes' energy volume growth for residential energy consumption to 2026. Figures 7.3 and 7.4 show the corresponding data for business V for Multinet Gas.

Tables 7.1, 7.3 and 7.6 outline compound growth rates by postcode for energy over the forecast period for residential V, business V and Tariff D.

7.3 Meter number growth by postcode to 2026

This section outlines the key features of Multinet Gas postcode level meter number forecasts for Tariffs V and D. Figures 7.5 and 7.6 illustrate the top 10 postcodes' residential and business meter number growth for Tariff V to 2026.

A decrease of 17 meter numbers is forecast for Tariff D to 2026. These meters were allocated to postcodes exogenously using historical growth and known, expected customer start-ups as indicated by Multinet Gas.

Tables 7.2 and 7.3 outline compound percentage meter growth rates by postcode over the forecast period for Tariffs V, residential and business. Table 7.6 shows percentage growth rates for Tariff D meters.

Figure 7.1: Tariff V residential gas consumption – Top 10 – Base scenario (volume increase – 2016 to 2026)

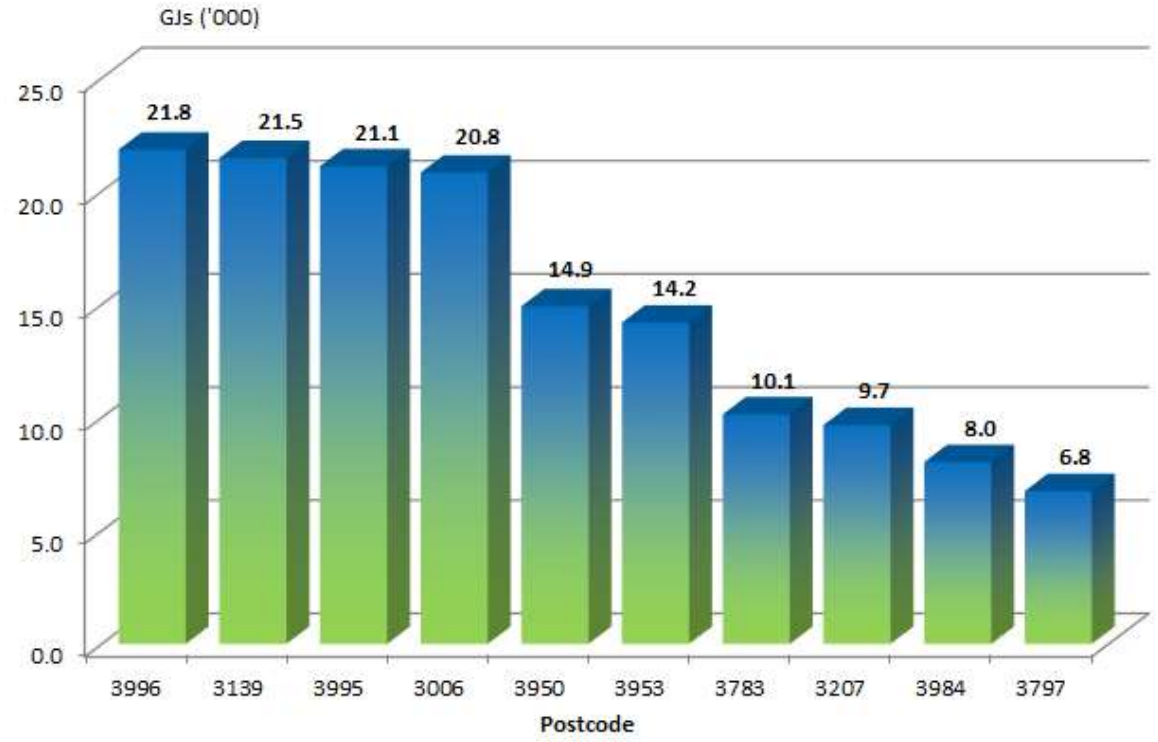


Figure 7.2: Tariff V residential gas consumption – Bottom 10 – Base scenario (volume decrease – 2016 to 2026)

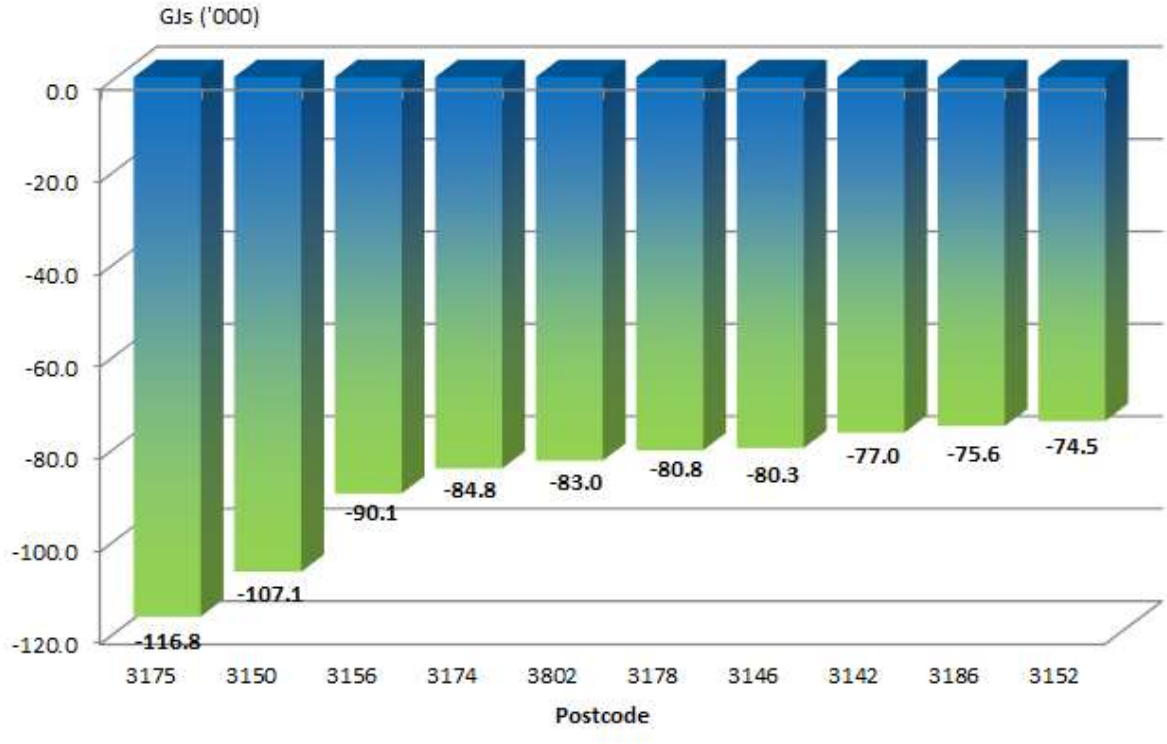


Figure 7.3: Tariff V business gas consumption – Top 10 – Base scenario (volume increase – 2016 to 2026)

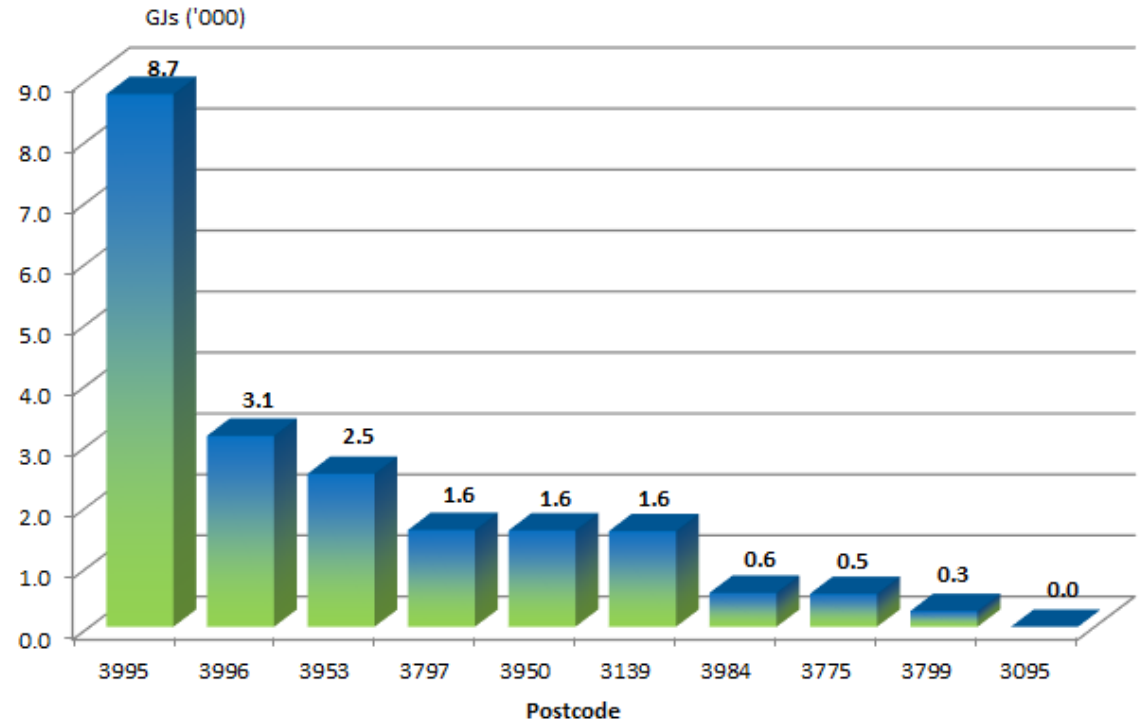


Figure 7.4: Tariff V business gas consumption – Bottom 10 – Base scenario (volume decrease – 2016 to 2026)

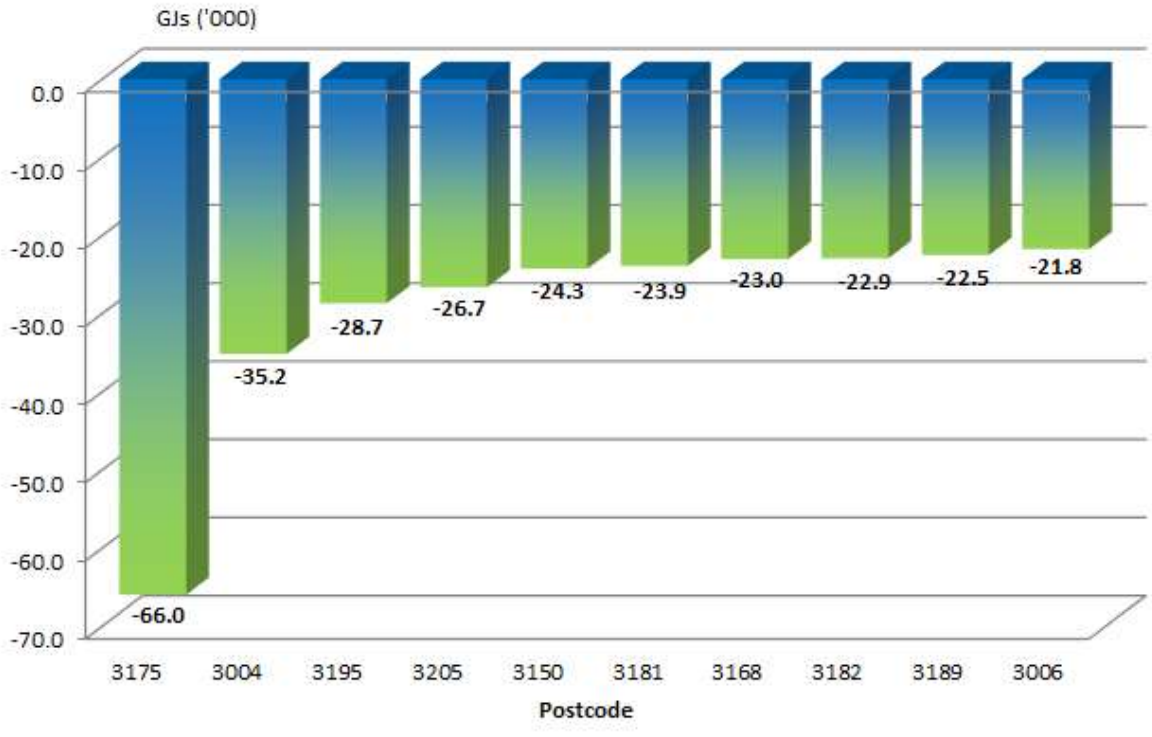


Figure 7.5: Residential meter numbers – Top 10 – Base scenario (meter number increase – 2016 to 2026)

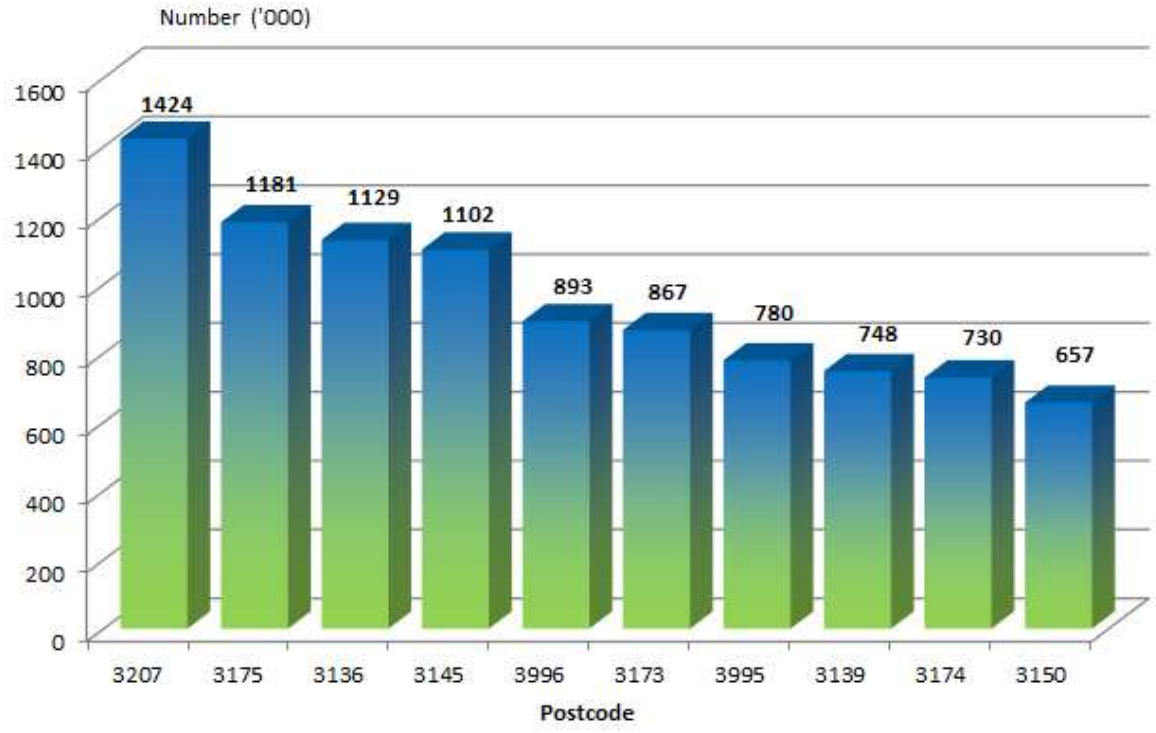


Figure 7.6: Business meter numbers – Top 10 – Base scenario (meter number increase – 2016 to 2026)

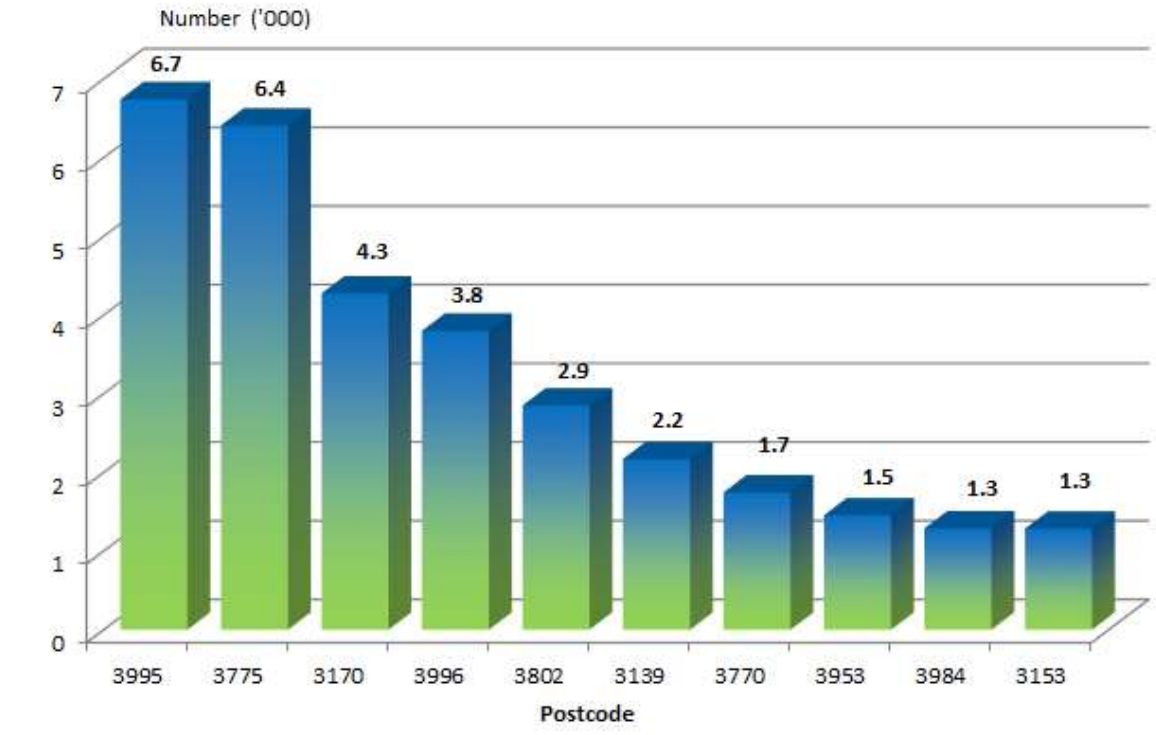


Figure 7.7: Tariff D volumes – Top 10 – Base scenario (volume increase – 2016 to 2026)

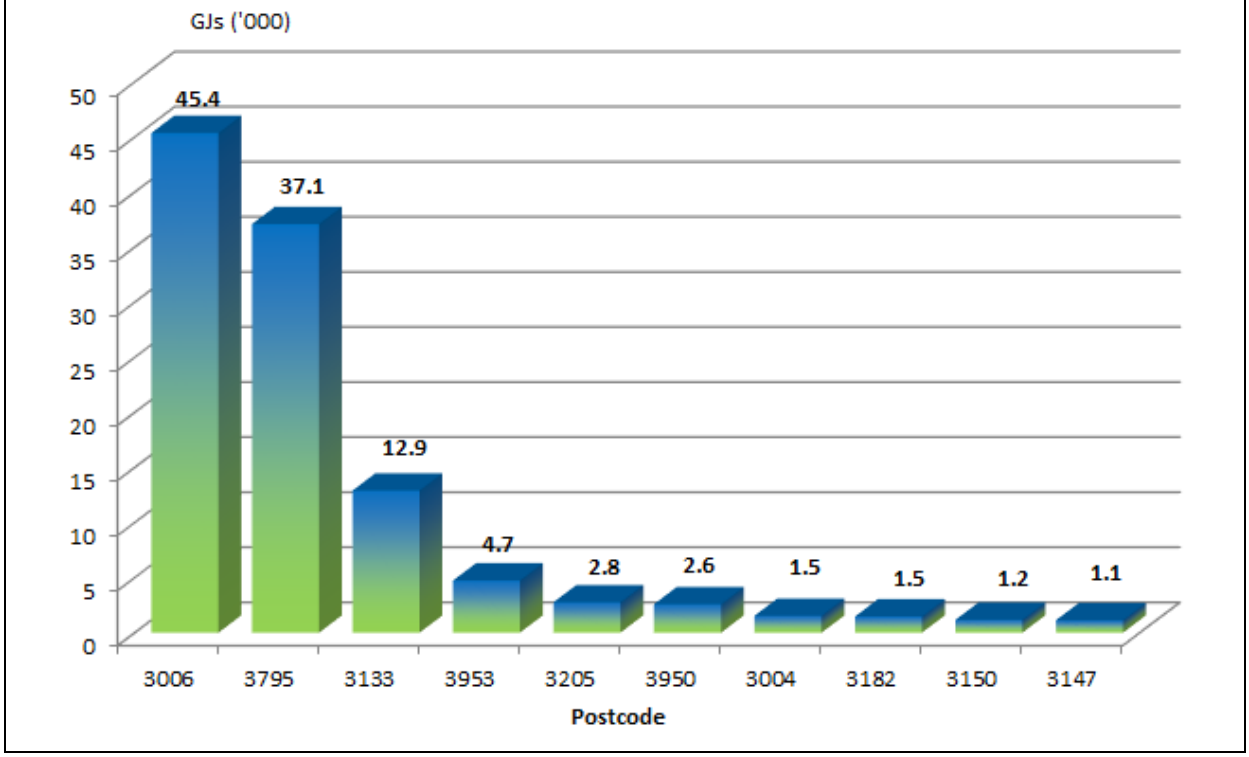


Figure 7.8: Tariff D volumes – Bottom 10 – Base scenario (volume decrease – 2016 to 2026)

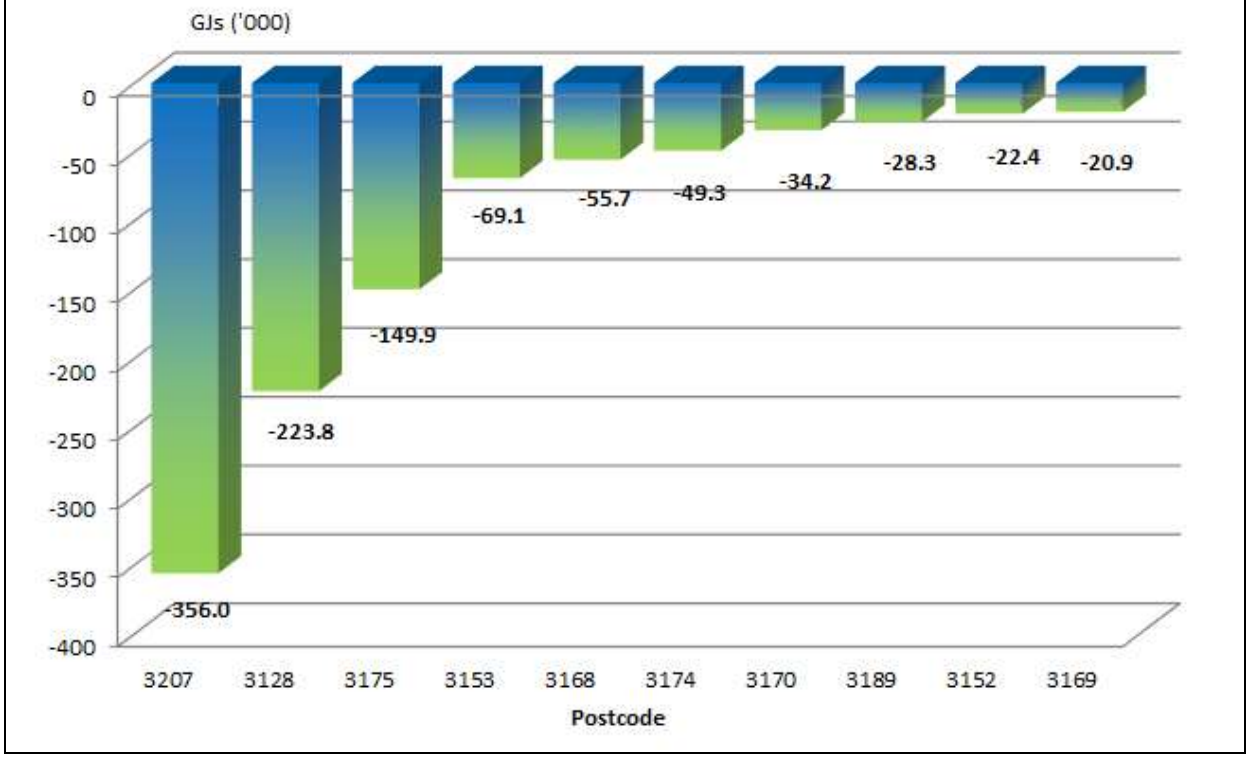


Table 7.1	Residential Tariff V volume growth – 2016 to 2026 (average percentage growth rate)				
Postcode	**Volume growth**	**Postcode**	**Volume growth**	**Postcode**	**Volume growth**
3000	3.54	3145	-0.98	3190	-1.18
3004	-0.78	3146	-1.48	3191	-1.26
3006	1.51	3147	-0.91	3192	-0.98
3008	1.85	3148	-0.69	3193	-1.23
3097	-1.38	3149	-0.70	3194	-0.99
3101	-1.18	3150	-0.77	3195	-1.04
3102	-1.19	3151	-0.63	3196	-0.86
3103	-1.28	3152	-0.97	3197	-1.09
3104	-1.32	3153	-0.90	3201	-1.39
3105	-0.85	3154	-1.13	3202	-1.20
3106	-0.83	3155	-1.01	3204	-0.91
3107	-0.79	3156	-1.07	3205	-0.47
3108	-0.82	3158	-1.20	3206	-1.74
3109	-0.76	3159	-1.08	3207	0.45
3111	-0.76	3160	-1.19	3765	-1.15
3113	-0.99	3161	-1.18	3766	-1.15
3114	-0.83	3162	-1.17	3767	-1.13
3115	-0.71	3163	-1.10	3770	-1.13
3116	-1.03	3165	-0.90	3775	1.39
3122	-1.35	3166	-0.75	3781	-1.07
3123	-1.34	3167	-0.88	3782	-1.03
3124	-1.20	3168	-0.51	3783	2.61
3125	-0.44	3169	-1.05	3786	-1.14
3126	-1.30	3170	-0.55	3787	-1.20
3127	-1.04	3171	-1.46	3788	-1.16
3128	-0.53	3172	-1.38	3789	-1.04
3129	-0.50	3173	-0.92	3791	-1.19
3130	-0.55	3174	-1.40	3792	-1.16
3131	-0.58	3175	-1.29	3793	-1.16
3132	-0.51	3177	-0.97	3795	-0.98
3133	-0.68	3178	-1.10	3796	-1.04
3134	-0.84	3179	-1.13	3797	1.50
3135	-0.82	3180	-0.97	3799	1.50
3136	-0.65	3181	-1.94	3802	-1.63
3137	-0.89	3182	-1.80	3804	0.11
3138	-1.03	3183	-1.66	3805	-0.77
3139	1.11	3184	-1.87	3950	3.67
3140	-1.01	3185	-1.31	3953	3.65
3141	-2.12	3186	-1.26	3984	6.03
3142	-1.96	3187	-1.25	3995	4.94
3143	-2.08	3188	-1.21	3996	4.93
3144	-1.80	3189	-1.10		

Table 7.2	Residential Tariff V meter growth – 2016 to 2026 (average percentage growth rate)				
Postcode	**Meter growth**	**Postcode**	**Meter growth**	**Postcode**	**Meter growth**
3000	6.98	3145	1.25	3190	0.28
3004	1.98	3146	0.34	3191	0.22
3006	4.89	3147	0.48	3192	0.45
3008	5.24	3148	0.38	3193	0.25
3097	0.07	3149	0.38	3194	0.42
3101	0.36	3150	0.30	3195	0.37
3102	0.35	3151	0.33	3196	0.55
3103	0.26	3152	0.38	3197	0.31
3104	0.21	3153	0.41	3201	0.17
3105	0.23	3154	0.22	3202	0.21
3106	0.25	3155	0.34	3204	0.54
3107	0.29	3156	0.29	3205	1.64
3108	0.27	3158	0.20	3206	0.34
3109	0.32	3159	0.35	3207	2.58
3111	0.33	3160	0.21	3765	0.26
3113	0.22	3161	0.27	3766	0.25
3114	0.26	3162	0.27	3767	0.27
3115	0.42	3163	0.34	3770	0.28
3116	0.38	3165	0.55	3775	2.67
3122	0.19	3166	0.33	3781	0.78
3123	0.19	3167	0.35	3782	0.77
3124	0.34	3168	0.57	3783	4.54
3125	0.54	3169	0.36	3786	0.26
3126	0.24	3170	0.53	3787	0.20
3127	0.24	3171	0.46	3788	0.24
3128	0.43	3172	0.29	3789	0.36
3129	0.46	3173	1.01	3791	0.21
3130	0.41	3174	0.52	3792	0.25
3131	0.38	3175	0.63	3793	0.24
3132	0.45	3177	0.96	3795	0.43
3133	0.28	3178	0.25	3796	0.37
3134	0.42	3179	0.22	3797	2.77
3135	0.45	3180	0.37	3799	2.77
3136	0.62	3181	0.30	3802	0.29
3137	0.46	3182	0.28	3804	2.03
3138	0.38	3183	0.30	3805	1.17
3139	2.38	3184	0.21	3950	5.44
3140	0.40	3185	0.23	3953	5.41
3141	0.28	3186	0.21	3984	7.68
3142	0.29	3187	0.23	3995	6.37
3143	0.16	3188	0.27	3996	6.36
3144	0.45	3189	0.31		

Table 7.3	Business Tariff V volume growth – 2016 to 2026 (average percentage growth rate)				
Postcode	**Volume growth**	**Postcode**	**Volume growth**	**Postcode**	**Volume growth**
3000	-1.47	3145	-2.08	3189	-2.25
3004	-1.77	3146	-2.05	3190	-2.13
3006	-1.47	3147	-1.91	3191	-2.04
3008	-1.47	3148	-1.81	3192	-2.23
3101	-2.02	3149	-1.81	3193	-2.04
3102	-2.02	3150	-1.81	3194	-2.25
3103	-2.02	3151	-1.69	3195	-2.25
3104	-2.02	3152	-2.20	3196	-2.25
3105	-1.63	3153	-2.11	3197	-2.25
3106	-1.63	3154	-2.20	3202	-2.25
3107	-1.63	3155	-2.20	3204	-1.85
3108	-1.63	3156	-2.19	3205	-2.33
3109	-1.63	3158	-2.09	3206	-2.33
3111	-1.63	3159	-2.02	3207	-2.32
3113	-1.76	3160	-2.09	3765	-2.09
3114	-1.63	3161	-1.85	3766	-2.09
3115	-1.72	3162	-1.85	3767	-2.09
3116	-2.09	3163	-1.85	3770	-2.09
3122	-2.02	3165	-1.85	3775	2.69
3123	-2.02	3166	-1.81	3781	-1.11
3124	-2.02	3167	-1.99	3782	-1.25
3125	-1.72	3168	-1.81	3783	-1.11
3126	-2.02	3169	-2.25	3786	-2.09
3127	-1.85	3170	-1.81	3787	-2.09
3128	-1.69	3171	-1.70	3788	-2.09
3129	-1.69	3172	-1.92	3789	-2.09
3130	-1.69	3173	-1.70	3791	-2.09
3131	-1.69	3174	-1.70	3792	-2.09
3132	-1.69	3175	-1.70	3793	-2.09
3133	-1.70	3177	-1.36	3795	-2.09
3134	-1.96	3178	-2.20	3796	-2.09
3135	-1.97	3179	-2.20	3797	2.69
3136	-1.97	3180	-2.20	3799	2.69
3137	-2.03	3181	-2.10	3802	-1.36
3138	-2.09	3182	-2.33	3804	-1.42
3139	2.69	3183	-2.29	3950	1.41
3140	-2.09	3184	-2.33	3953	1.41
3141	-1.61	3185	-2.02	3976	-1.36
3142	-2.08	3186	-2.04	3984	2.45
3143	-2.08	3187	-2.03	3995	2.48
3144	-2.08	3188	-2.04	3996	2.47

Table 7.4	Business Tariff V meter growth – 2016 to 2026 (average percentage growth rate)				
Postcode	Meter growth	Postcode	Meter growth	Postcode	Meter growth
3000	-0.06	3145	-0.39	3189	-0.93
3004	-0.33	3146	-0.62	3190	-1.20
3006	-0.14	3147	-0.58	3191	-0.83
3008	1.19	3148	0.14	3192	-0.29
3101	-0.69	3149	-1.08	3193	-0.78
3102	-0.45	3150	-0.44	3194	-1.23
3103	-0.63	3151	-0.96	3195	-1.52
3104	-1.10	3152	-0.67	3196	-1.29
3105	-0.19	3153	0.04	3197	-1.47
3106	-0.65	3154	-0.97	3202	-1.59
3107	-0.49	3155	-1.21	3204	-0.35
3108	-0.73	3156	-0.79	3205	-1.35
3109	-0.04	3158	-0.81	3206	-1.23
3111	-0.34	3159	-0.89	3207	-1.06
3113	0.05	3160	-0.67	3765	-0.86
3114	0.02	3161	-0.95	3766	-0.90
3115	-0.62	3162	-0.62	3767	-0.72
3116	-1.25	3163	-0.48	3770	1.41
3122	-0.95	3165	-0.44	3775	4.40
3123	-0.52	3166	-0.64	3781	-0.49
3124	-0.64	3167	-0.27	3782	-0.07
3125	-0.70	3168	-0.53	3783	-1.52
3126	-0.50	3169	-0.93	3786	-1.02
3127	-0.33	3170	0.29	3787	-1.15
3128	-1.37	3171	-0.42	3788	-0.50
3129	-0.22	3172	-0.25	3789	-1.95
3130	-0.86	3173	-0.91	3791	-0.31
3131	-0.34	3174	-0.31	3792	0.28
3132	-0.31	3175	-0.11	3793	-1.29
3133	0.08	3177	-0.59	3795	-0.65
3134	-0.37	3178	-1.09	3796	-0.69
3135	-0.59	3179	-0.80	3797	-3.90
3136	-0.75	3180	-0.57	3799	-1.61
3137	-0.29	3181	-0.44	3802	0.34
3138	-0.73	3182	-0.64	3804	0.35
3139	0.94	3183	-1.02	3950	-0.10
3140	-0.48	3184	-0.76	3953	0.63
3141	-0.28	3185	-0.96	3976	-0.10
3142	-1.11	3186	-1.08	3984	1.96
3143	-0.68	3187	-0.68	3995	2.21
3144	-0.62	3188	-0.90	3996	1.60

Table 7.5	Business Tariff D volume growth – 2016 to 2026 (average percentage growth rate)				
Postcode	**Volume growth**	**Postcode**	**Volume growth**	**Postcode**	**Volume growth**
3000	0.44	3147	0.44	3179	-1.26
3004	0.28	3148	0.12	3180	-1.24
3006	0.70	3149	-1.24	3181	-0.05
3101	0.01	3150	0.14	3182	0.41
3108	0.35	3152	-0.71	3187	-0.05
3122	0.08	3153	-3.31	3189	-2.19
3123	0.57	3155	-1.78	3190	0.44
3125	-0.05	3156	-0.05	3191	-0.05
3128	-2.97	3162	-0.05	3192	-0.56
3130	-0.05	3165	-0.47	3194	-3.09
3131	-1.67	3166	-3.26	3195	-1.42
3132	-0.55	3167	-1.24	3196	-1.24
3133	1.18	3168	-0.83	3201	-1.24
3134	-0.67	3169	-1.06	3202	0.48
3136	-5.02	3170	-1.80	3205	0.34
3137	-5.96	3171	-0.97	3207	-5.37
3138	0.44	3172	-0.72	3765	-0.72
3140	-0.72	3173	-1.29	3793	0.44
3141	0.30	3174	-2.75	3795	3.08
3144	-0.05	3175	-0.45	3950	0.08
3145	-0.05	3177	-3.69	3953	0.08
3146	0.44	3178	-1.24		

Table 7.6	Business Tariff D meter growth – 2016 to 2026 (average percentage growth rate)				
Postcode	**Meter growth**	**Postcode**	**Meter growth**	**Postcode**	**Meter growth**
3000	-0.75	3147	-0.75	3179	-0.75
3004	-0.75	3148	-0.75	3180	-0.75
3006	-0.21	3149	-0.75	3181	-0.75
3101	-0.75	3150	-0.75	3182	-0.75
3108	-0.75	3152	-0.75	3187	-0.75
3122	-0.75	3153	-0.75	3189	-0.75
3123	-0.75	3155	-0.75	3190	-0.75
3125	-0.75	3156	-0.75	3191	-0.75
3128	-0.75	3162	-0.75	3192	-0.75
3130	-0.10	3165	-0.75	3194	-0.75
3131	-0.75	3166	-0.75	3195	-0.75
3132	-0.75	3167	-0.75	3196	-0.75
3133	-0.75	3168	-0.75	3201	-0.75
3134	-0.75	3169	-0.75	3202	-0.75
3136	-0.75	3170	-0.75	3205	-0.75
3137	-0.75	3171	-0.75	3207	-6.41
3138	-0.75	3172	-0.75	3765	-0.75
3140	-0.75	3173	-0.75	3793	-0.75
3141	-0.75	3174	-0.75	3795	0.43
3144	-0.75	3175	-0.02	3950	0.00
3145	-0.75	3177	-0.75	3953	0.00
3146	-0.75	3178	-0.75		

Table 7.7	Business Tariff D MHQ growth – 2016 to 2026 (average percentage growth rate)				
Postcode	**MHQ growth**	**Postcode**	**MHQ growth**	**Postcode**	**MHQ growth**
3000	0.17	3147	0.17	3179	-0.93
3004	0.12	3148	0.03	3180	-0.94
3006	0.67	3149	-0.94	3181	0.01
3101	0.03	3150	0.07	3182	0.16
3108	0.14	3152	-0.78	3187	0.01
3122	0.05	3153	-1.23	3189	-1.16
3123	0.08	3155	-0.46	3190	0.17
3125	0.01	3156	0.01	3191	0.01
3128	-1.96	3162	0.01	3192	-0.18
3130	0.01	3165	-0.41	3194	-1.58
3131	-0.43	3166	-1.37	3195	-0.44
3132	-0.04	3167	-0.94	3196	-0.94
3133	0.77	3168	-0.23	3201	-0.94
3134	-0.42	3169	-0.89	3202	0.11
3136	-2.43	3170	-0.78	3205	0.14
3137	-2.67	3171	-0.57	3207	-6.68
3138	0.17	3172	-0.80	3765	-0.80
3140	-0.80	3173	-0.67	3793	0.17
3141	0.26	3174	-0.96	3795	2.03
3144	0.01	3175	0.06	3950	0.00
3145	0.01	3177	-2.85	3953	0.00
3146	0.17	3178	-0.94		

Appendix A: Reconciliation of ABS Divisions and Local Government Areas with gas distribution regions

Table A.1 Melbourne LGAs and Multinet Gas Distribution Zones		
SD Name	**Company zone**	**Weight based on new pop**
Bayside (C)	Multinet Gas	1.00
Boroondara (C)	Multinet Gas	1.00
Cardinia (S)	Multinet Gas	0.27
Casey (C)	Multinet Gas	0.21
Glen Eira (C)	Multinet Gas	1.00
Greater Dandenong (C)	Multinet Gas	0.64
Kingston (C)	Multinet Gas	1.00
Knox (C)	Multinet Gas	1.00
Manningham (C)	Multinet Gas	1.00
Maroondah (C)	Multinet Gas	1.00
Melbourne (C)	Multinet Gas	0.17
Monash (C)	Multinet Gas	1.00
Nillumbik (S)	Multinet Gas	0.04
Port Phillip (C)	Multinet Gas	1.00
Stonnington (C)	Multinet Gas	1.00
Whitehorse (C)	Multinet Gas	1.00
Yarra Ranges (S)	Multinet Gas	0.76

Table A.2 Multinet Gas postcodes with corresponding suburbs	
Postcode	**Suburbs**
3000	Melbourne
3004	Melbourne
3006	Southbank
3008	Docklands
3095	Eltham, Eltham North, Research
3097	Bend Of Islands, Kangaroo Ground, Watsons Creek
3101	Kew
3102	Kew East
3103	Balwyn
3104	Balwyn North
3105	Bulleen
3106	Templestowe
3107	Templestowe Lower
3108	Doncaster
3109	Doncaster East
3111	Donvale
3113	North Warrandyte, Warrandyte
3114	Park Orchards
3115	Wonga Park
3116	Chirnside Park
3122	Hawthorn
3123	Hawthorn East
3124	Camberwell
3125	Burwood
3126	Canterbury
3127	Mont Albert, Surrey Hills
3128	Box Hill, Box Hill Central, Box Hill South
3129	Box Hill North, Mont Albert North
3130	Blackburn, Blackburn North, Blackburn South
3131	Forest Hill, Nunawading
3132	Mitcham
3133	Vermont, Vermont South
3134	Ringwood, Ringwood North, Warrandyte South, Warranwood
3135	Heathmont, Ringwood East
3136	Croydon, Croydon Hills, Croydon North, Croydon South
3137	Kilsyth, Kilsyth South
3138	Mooroolbark
3139	Beenak, Don Valley, Hoddles Creek, Launching Place, Seville, Wandin East, Wandin North, Woori Yallock, Yellingbo
3140	Lilydale
3141	South Yarra
3142	Toorak
3143	Armadale
3144	Kooyong, Malvern
3145	Caulfield East, Malvern East
3146	Glen Iris

Table A.2 Multinet Gas postcodes with corresponding suburbs (continued)	
Postcode	**Suburbs**
3147	Ashburton, Ashwood
3148	Chadstone, Chadstone Centre
3149	Mount Waverley
3150	Glen Waverley, Wheelers Hill
3151	Burwood East
3152	Knox City Centre, Wantirna, Wantirna South
3153	Bayswater, Bayswater North
3154	The Basin
3155	Boronia
3156	Ferntree Gully, Lysterfield, Lysterfield South, Upper Ferntree Gully
3158	Upwey
3159	Menzies Creek, Selby
3160	Belgrave, Belgrave Heights, Belgrave South, Tecoma
3161	Caulfield North
3162	Caulfield, Caulfield South
3163	Carnegie, Glen Huntly, Murrumbeena
3165	Bentleigh East
3166	Hughesdale, Huntingdale, Oakleigh, Oakleigh East
3167	Oakleigh South
3168	Clayton, Notting Hill
3169	Clarinda, Clayton South
3170	Mulgrave
3171	Springvale
3172	Dingley Village, Springvale South
3173	Keysborough
3174	Noble Park, Noble Park North
3175	Bangholme, Dandenong, Dandenong North, Dandenong South
3177	Doveton, Eumemmerring
3178	Rowville
3179	Scoresby
3180	Knoxfield
3181	Prahran, Windsor
3182	St Kilda, St Kilda West
3183	Balaclava, St Kilda East
3184	Elwood
3185	Elsternwick, Gardenvale, Ripponlea
3186	Brighton, Brighton North
3187	Brighton East
3188	Hampton, Hampton East
3189	Moorabbin, Moorabbin East
3190	Highett
3191	Sandringham
3192	Cheltenham, Southland Centre
3193	Beaumaris, Black Rock
3194	Mentone, Moorabbin Airport
3195	Aspendale, Aspendale Gardens, Braeside, Mordialloc, Parkdale, Waterways

Table A.2 Multinet Gas postcodes with corresponding suburbs (continued)	
Postcode	**Suburbs**
3196	Bonbeach, Chelsea, Chelsea Heights, Edithvale
3197	Carrum, Patterson Lakes
3201	Carrum Downs
3202	Heatherton
3204	Bentleigh, Mckinnon, Ormond
3205	South Melbourne, South Melbourne Docklands
3206	Albert Park, Middle Park
3207	Port Melbourne
3765	Montrose
3766	Kalorama
3767	Mount Dandenong
3770	Coldstream, Gruyere, Yering
3775	Christmas Hills, Dixons Creek, Steels Creek, Tarrawarra, Yarra Glen
3781	Cockatoo, Mount Burnett, Nangana
3782	Avonsleigh, Clematis, Emerald Macclesfield
3783	Gembrook
3786	Ferny Creek
3787	Sassafras, Sassafras Gully
3788	Olinda
3789	Sherbrooke
3791	Kallista
3792	The Patch
3793	Monbulk
3795	Silvan
3796	Mount Evelyn
3797	Gilderoy, Gladysdale, Powelltown, Three Bridges, Yarra Junction
3799	Big Pats Creek, East Warburton, McMahons Creek, Millgrove, Reefton, Warburton, Wesburn
3802	Endeavour Hills
3804	Narre Warren East, Narre Warren North
3805	Narre Warren, Narre Warren South
3916	Merricks, Point Leo, Shoreham
3950	Kardella South, Korumburra, Korumburra South, Strzelecki, Whitelaw
3953	Berrys Creek, Boorool, Hallston, Koorooman, Leongatha, Leongatha North, Leongatha South, Mardan, Mount Eccles, Mount Eccles South, Nerrena, Ruby, Trida, Wild Dog Valley
3976	Hampton Park
3984	Adams Estate, Caldermeade, Corinella, Coronet Bay, Grantville, Jam Jerrup, Lang, Lang Lang East, Monomeith, Pioneer Bay, Queensferry, Tenby Point, The Gurdies
3995	Anderson, Archies Creek, Cape Paterson, Harmers Haven, Hicksborough, Kilcunda, Lance Creek, North Wonthaggi, Powlett River, South Dudley, St Clair, Wattle Bank, Wonthaggi, Woolamai
3996	Inverloch, Pound Creek

Appendix B: Population, dwellings and gross regional product by postcode

Table B.1 Population by postcode										
	Postcode									
	MLB 3000	MLB 3004	MLB 3006	MLB 3008	MLB 3095	MLB 3097	MLB 3101	MLB 3102	MLB 3103	MLB 3104
2010	21508	8142	11785	5314	28778	1349	24948	6287	16010	21224
2011	22085	8249	12101	5457	28731	1346	25059	6315	16081	21317
2012	23226	8550	12726	5739	28757	1347	25268	6368	16216	21496
2013	25636	8885	14047	6335	28740	1345	25563	6442	16405	21748
2014	26924	9152	14753	6653	28843	1349	25891	6525	16616	22028
2015	28401	9410	15562	7018	28797	1346	26246	6614	16844	22329
2016	29961	9666	16417	7403	28740	1343	26458	6668	16980	22510
2017	31554	9912	17290	7797	28634	1337	26627	6710	17088	22653
2018	33222	10161	18204	8209	28522	1331	26789	6751	17192	22791
2019	34969	10414	19161	8640	28401	1325	26944	6790	17291	22924
2020	36796	10670	20162	9092	28273	1319	27093	6827	17387	23050
2021	38707	10929	21209	9564	28136	1312	27233	6863	17477	23170
2022	40702	11190	22303	10057	27990	1304	27365	6896	17561	23282
2023	42784	11453	23443	10572	27835	1296	27486	6927	17639	23386
2024	44955	11717	24633	11108	27669	1288	27597	6954	17710	23480
2025	47215	11983	25871	11667	27492	1279	27697	6980	17775	23566
2026	49568	12249	27161	12248	27305	1270	27785	7002	17831	23641

Table B.1 Population by postcode (continued)										
	Postcode									
	MLB 3105	MLB 3106	MLB 3107	MLB 3108	MLB 3109	MLB 3111	MLB 3113	MLB 3114	MLB 3115	MLB 3116
2010	11391	17276	13784	19242	28348	12362	8862	3897	4002	9372
2011	11400	17290	13795	19258	28370	12372	8860	3900	4008	9399
2012	11428	17332	13829	19305	28440	12402	8876	3910	4019	9420
2013	11467	17392	13876	19371	28537	12444	8892	3923	4035	9433
2014	11573	17552	14004	19550	28801	12559	8956	3959	4073	9475
2015	11722	17778	14184	19801	29171	12720	9024	4010	4120	9494
2016	11764	17842	14236	19873	29276	12767	9038	4025	4136	9498
2017	11787	17877	14263	19911	29333	12791	9037	4032	4144	9486
2018	11806	17906	14286	19944	29381	12812	9033	4039	4151	9472
2019	11822	17931	14306	19971	29421	12830	9026	4045	4157	9455
2020	11835	17950	14321	19993	29453	12843	9017	4049	4162	9435
2021	11844	17963	14332	20008	29475	12853	9005	4052	4166	9413
2022	11849	17970	14338	20015	29486	12858	8990	4053	4168	9387
2023	11849	17970	14338	20016	29487	12858	8971	4054	4168	9357
2024	11844	17963	14332	20008	29475	12853	8949	4052	4167	9324
2025	11835	17949	14321	19992	29451	12843	8923	4049	4164	9287
2026	11820	17927	14303	19967	29415	12827	8893	4044	4159	9247

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	22127	13690	20929	13661	8210	18832	18027	16668	31558	21799
2011	22225	13750	21021	13717	8246	18901	18082	16719	31655	21865
2012	22411	13865	21197	13879	8315	19088	18284	16906	32008	22107
2013	22672	14027	21444	14077	8412	19339	18549	17151	32471	22423
2014	22963	14207	21720	14264	8520	19589	18789	17373	32892	22713
2015	23279	14402	22018	14440	8637	19840	19015	17582	33287	22986
2016	23467	14519	22196	14570	8706	20006	19178	17733	33574	23182
2017	23616	14611	22337	14677	8762	20138	19311	17855	33805	23340
2018	23760	14700	22473	14780	8815	20267	19438	17973	34029	23493
2019	23897	14785	22603	14880	8866	20390	19561	18087	34244	23640
2020	24029	14866	22728	14977	8915	20508	19679	18196	34451	23781
2021	24153	14944	22845	15068	8961	20620	19792	18300	34647	23915
2022	24270	15016	22956	15156	9005	20726	19898	18398	34833	24042
2023	24378	15082	23058	15238	9045	20824	19997	18490	35006	24160
2024	24477	15143	23151	15314	9081	20914	20088	18574	35166	24268
2025	24565	15198	23235	15384	9114	20995	20171	18651	35312	24367
2026	24643	15247	23309	15447	9143	21068	20246	18720	35443	24456

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	15371	22121	31970	19522	42083	13454	21252	13914	16075	20205
2011	15418	22190	32158	19640	42338	13508	21313	13954	16121	20349
2012	15590	22436	32406	19795	42671	13564	21361	13985	16157	20964
2013	15816	22760	32794	20038	43194	13635	21390	14004	16179	21790
2014	16021	23056	33305	20354	43877	13750	21485	14066	16251	22521
2015	16213	23333	33666	20574	44350	13820	21527	14094	16283	23224
2016	16353	23533	33945	20747	44723	13865	21537	14100	16291	23830
2017	16466	23695	34167	20886	45023	13887	21510	14083	16270	24410
2018	16575	23852	34382	21020	45313	13905	21478	14062	16246	24998
2019	16680	24003	34588	21150	45592	13919	21440	14037	16217	25592
2020	16780	24148	34785	21274	45858	13929	21395	14007	16183	26193
2021	16876	24285	34972	21391	46112	13934	21344	13974	16144	26799
2022	16966	24415	35148	21502	46351	13935	21285	13935	16100	27409
2023	17051	24537	35311	21605	46573	13930	21218	13892	16049	28023
2024	17129	24649	35461	21700	46777	13920	21143	13842	15993	28639
2025	17200	24751	35596	21786	46963	13904	21060	13788	15929	29256
2026	17263	24843	35716	21863	47129	13881	20967	13727	15860	29874

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	13642	9284	10924	22554	26204	14219	8120	33300	60528	10525
2011	13660	9296	10938	22587	26290	14312	8195	33606	61084	10557
2012	13982	9515	11196	23110	26655	14471	8314	34096	61975	10675
2013	14248	9696	11409	23545	27038	14652	8426	34554	62807	10829
2014	14645	9966	11726	24188	27534	14852	8550	35064	63733	10969
2015	14981	10195	11996	24734	28007	15056	8667	35543	64604	11101
2016	15232	10366	12197	25142	28323	15197	8762	35934	65315	11197
2017	15461	10522	12380	25513	28593	15313	8844	36267	65920	11274
2018	15689	10677	12563	25882	28858	15426	8923	36594	66514	11349
2019	15916	10831	12744	26250	29118	15536	9001	36913	67093	11420
2020	16142	10985	12925	26614	29371	15641	9077	37223	67658	11489
2021	16365	11137	13104	26975	29616	15742	9150	37524	68205	11555
2022	16586	11287	13280	27332	29854	15839	9221	37815	68733	11617
2023	16803	11435	13454	27682	30081	15930	9289	38093	69239	11674
2024	17016	11580	13625	28026	30299	16015	9353	38357	69720	11728
2025	17225	11722	13792	28362	30505	16093	9414	38608	70174	11776
2026	17428	11860	13955	28689	30699	16165	9472	38843	70602	11820

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	32356	20293	4380	21570	36900	7153	2633	9341	15165	17125
2011	32352	20344	4380	21568	36923	7174	2649	9368	15236	17205
2012	32343	20410	4379	21562	36939	7190	2665	9389	15468	17467
2013	32388	20533	4385	21592	37015	7200	2678	9402	15709	17739
2014	32537	20727	4405	21691	37211	7232	2696	9444	16003	18071
2015	32579	20840	4411	21719	37289	7246	2710	9462	16260	18362
2016	32556	20907	4407	21703	37289	7249	2721	9467	16454	18581
2017	32477	20938	4397	21651	37225	7241	2726	9455	16622	18770
2018	32389	20964	4385	21592	37152	7230	2731	9441	16787	18956
2019	32292	20984	4372	21528	37068	7217	2735	9424	16949	19139
2020	32187	20998	4357	21457	36973	7202	2738	9404	17107	19318
2021	32071	21005	4342	21380	36867	7184	2740	9382	17261	19492
2022	31945	21005	4325	21296	36748	7165	2742	9356	17411	19661
2023	31806	20996	4306	21204	36615	7142	2742	9327	17555	19823
2024	31656	20980	4286	21104	36469	7117	2741	9294	17693	19979
2025	31493	20954	4264	20995	36307	7089	2739	9257	17824	20128
2026	31318	20919	4240	20878	36131	7058	2736	9216	17949	20269

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	30794	27012	23194	9477	17538	19756	18321	20443	23139	20561
2011	30937	27138	23407	9551	17699	19876	18489	20728	23379	20848
2012	31409	27552	23749	9677	17957	20105	18758	21041	23694	21162
2013	31898	27981	24068	9793	18198	20314	19010	21377	24012	21500
2014	32495	28505	24423	9916	18467	20516	19291	21800	24381	21926
2015	33018	28964	24757	10020	18719	20653	19554	22256	24735	22385
2016	33412	29309	25029	10111	18925	20793	19769	22591	25015	22721
2017	33752	29608	25261	10186	19100	20899	19953	22891	25255	23023
2018	34087	29901	25488	10258	19272	20999	20132	23188	25490	23322
2019	34416	30189	25710	10328	19440	21095	20308	23483	25720	23619
2020	34737	30471	25927	10395	19604	21184	20479	23775	25944	23912
2021	35050	30746	26136	10459	19762	21267	20644	24062	26162	24201
2022	35353	31012	26339	10520	19915	21343	20804	24345	26373	24485
2023	35646	31269	26532	10578	20062	21410	20957	24621	26575	24763
2024	35926	31515	26717	10631	20201	21470	21103	24891	26767	25034
2025	36194	31749	26891	10680	20333	21520	21240	25153	26950	25298
2026	36447	31972	27055	10725	20457	21561	21370	25406	27123	25553

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	36985	49625	10340	36022	6103	7396	19353	21775	18887	15438
2011	37500	50317	10617	36017	6102	7395	19384	21979	19044	15583
2012	38066	51076	10875	36008	6100	7393	19848	22683	19585	16082
2013	38674	51891	11170	36057	6109	7403	20227	23142	19961	16407
2014	39439	52919	11516	36223	6137	7437	20786	23689	20412	16795
2015	40266	54027	11851	36270	6145	7447	21260	24150	20795	17122
2016	40870	54838	12153	36244	6141	7441	21619	24604	21154	17444
2017	41413	55567	12442	36156	6126	7423	21945	25023	21483	17741
2018	41951	56289	12734	36058	6109	7403	22271	25443	21811	18039
2019	42485	57005	13029	35951	6091	7381	22595	25862	22138	18336
2020	43013	57713	13328	35833	6071	7357	22917	26281	22464	18633
2021	43533	58411	13628	35704	6049	7330	23236	26697	22786	18928
2022	44044	59097	13931	35564	6025	7301	23551	27111	23106	19221
2023	44544	59768	14235	35410	5999	7270	23862	27521	23420	19512
2024	45031	60422	14539	35242	5971	7236	24166	27925	23730	19799
2025	45505	61058	14844	35061	5940	7198	24465	28324	24033	20081
2026	45964	61673	15149	34866	5907	7158	24756	28716	24330	20359

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	12751	22132	16467	17570	5467	10666	9692	21020	19545	12074
2011	12818	22254	16558	17666	5500	10726	9745	21146	19652	12147
2012	13039	22456	16711	17827	5563	10831	9834	21382	19831	12288
2013	13250	22757	16936	18066	5621	10967	9966	21614	20097	12415
2014	13506	23140	17221	18370	5677	11129	10134	21851	20435	12539
2015	13729	23290	17337	18489	5715	11202	10199	21996	20567	12622
2016	13905	23479	17480	18639	5754	11289	10282	22150	20735	12708
2017	14058	23630	17594	18759	5783	11357	10348	22267	20868	12773
2018	14209	23775	17704	18874	5811	11422	10412	22378	20996	12834
2019	14358	23914	17809	18985	5837	11484	10473	22484	21119	12892
2020	14505	24047	17910	19090	5862	11544	10531	22584	21236	12947
2021	14648	24173	18005	19190	5885	11600	10586	22677	21347	12998
2022	14787	24291	18095	19284	5906	11652	10638	22762	21452	13044
2023	14922	24401	18178	19371	5925	11700	10686	22839	21548	13085
2024	15052	24500	18254	19450	5941	11743	10729	22906	21636	13122
2025	15176	24590	18323	19521	5955	11781	10769	22965	21716	13152
2026	15296	24670	18384	19585	5966	11815	10804	23013	21786	13178

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	35294	24415	11578	19515	2865	29368	9827	10564	15314	6916
2011	35508	24564	11649	19712	2882	29505	9919	10663	15457	6936
2012	35918	24847	11783	19924	2915	29955	10237	11005	15953	6952
2013	36291	25105	11905	20182	2946	30422	10444	11227	16276	6961
2014	36652	25354	12024	20452	2975	30991	10691	11493	16661	6992
2015	36896	25524	12104	20544	2995	31490	10899	11717	16986	7006
2016	37147	25697	12186	20712	3015	31865	11104	11937	17305	7009
2017	37336	25828	12248	20847	3031	32190	11293	12140	17600	7000
2018	37516	25952	12307	20976	3045	32509	11482	12344	17895	6990
2019	37686	26070	12363	21101	3059	32822	11672	12547	18191	6977
2020	37845	26180	12415	21219	3072	33129	11860	12750	18485	6963
2021	37993	26283	12464	21332	3084	33427	12048	12952	18779	6946
2022	38129	26376	12508	21438	3095	33717	12235	13153	19070	6927
2023	38250	26460	12548	21536	3105	33996	12420	13352	19358	6905
2024	38356	26533	12583	21625	3113	34263	12602	13548	19643	6881
2025	38446	26596	12612	21706	3121	34518	12782	13741	19924	6854
2026	38520	26647	12637	21778	3127	34760	12959	13931	20200	6824

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	1241	1271	3276	3589	4261	7597	2081	1577	1176	1708
2011	1244	1274	3285	3597	4498	7955	2197	1581	1180	1713
2012	1247	1277	3293	3605	4757	8343	2323	1585	1182	1717
2013	1249	1279	3297	3609	4983	8683	2434	1587	1184	1719
2014	1254	1285	3312	3624	5161	8955	2521	1594	1189	1727
2015	1257	1287	3318	3630	5404	9320	2640	1597	1191	1730
2016	1258	1288	3320	3631	5656	9689	2762	1598	1192	1731
2017	1256	1286	3316	3625	5909	10055	2886	1596	1190	1729
2018	1254	1284	3311	3619	6171	10432	3014	1594	1189	1726
2019	1252	1282	3305	3611	6443	10820	3147	1591	1187	1723
2020	1249	1279	3298	3603	6726	11219	3285	1587	1184	1720
2021	1246	1276	3290	3593	7018	11629	3428	1584	1181	1716
2022	1243	1273	3281	3582	7321	12050	3576	1579	1178	1711
2023	1239	1269	3271	3570	7634	12482	3728	1574	1174	1706
2024	1235	1264	3259	3556	7957	12924	3886	1569	1170	1700
2025	1230	1259	3246	3541	8290	13375	4049	1563	1166	1693
2026	1224	1254	3232	3524	8633	13837	4217	1556	1160	1685

Table B.1	Population by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	275	1599	1066	3550	1253	9629	3290	6179	24777	6768
2011	276	1604	1069	3560	1257	9657	3300	6196	25440	6937
2012	277	1608	1072	3568	1260	9678	3307	6210	26059	7094
2013	277	1610	1073	3573	1261	9692	3312	6219	26767	7274
2014	278	1617	1078	3589	1267	9734	3326	6246	27595	7486
2015	279	1620	1080	3596	1269	9754	3333	6259	28399	7690
2016	279	1621	1081	3598	1270	9758	3334	6262	29123	7872
2017	279	1619	1079	3593	1268	9746	3330	6254	29815	8045
2018	278	1616	1078	3588	1267	9732	3325	6244	30515	8220
2019	278	1614	1076	3581	1264	9714	3319	6233	31223	8396
2020	277	1610	1073	3574	1262	9694	3312	6220	31937	8573
2021	276	1606	1071	3565	1259	9671	3304	6205	32657	8751
2022	276	1602	1068	3556	1255	9644	3295	6188	33382	8930
2023	275	1597	1065	3544	1251	9614	3285	6169	34111	9109
2024	274	1591	1061	3532	1247	9580	3273	6147	34840	9288
2025	273	1585	1057	3518	1242	9542	3260	6123	35571	9466
2026	272	1578	1052	3503	1236	9500	3246	6096	36301	9644

Table B.1 Population by postcode (continued)								
	Postcode							
	MLB	MLB	SG	SG	MLB	SG	SG	SG
	3805	3916	3950	3953	3976	3984	3995	3996
2010	54931	603	4613	7272	23964	4692	9091	4936
2011	56401	606	4672	7363	24605	4859	9325	5062
2012	57773	612	4714	7429	25204	4993	9443	5126
2013	59342	618	4744	7476	25888	5113	9555	5187
2014	61178	624	4746	7478	26689	5246	9753	5293
2015	62959	629	4755	7491	27466	5379	9881	5363
2016	64565	632	4774	7519	28167	5516	10027	5441
2017	66099	635	4785	7535	28836	5647	10157	5511
2018	67651	638	4794	7549	29513	5780	10285	5580
2019	69220	641	4803	7560	30197	5915	10413	5649
2020	70804	643	4809	7570	30888	6050	10539	5717
2021	72401	645	4815	7577	31585	6187	10663	5784
2022	74008	647	4818	7581	32286	6325	10785	5849
2023	75622	649	4820	7583	32990	6463	10904	5913
2024	77240	650	4820	7581	33696	6601	11020	5975
2025	78860	651	4817	7577	34403	6740	11132	6036
2026	80479	652	4813	7569	35109	6879	11241	6094

Table B.2	Dwellings by postcode									
	Postcode									
	MLB 3000	MLB 3004	MLB 3006	MLB 3008	MLB 3095	MLB 3097	MLB 3101	MLB 3102	MLB 3103	MLB 3104
2010	10950	4280	6000	2706	9660	447	9666	2436	6203	8223
2011	11676	4408	6398	2885	9747	451	9751	2457	6257	8295
2012	12746	4580	6984	3149	9826	454	9819	2474	6302	8355
2013	13623	4696	7465	3366	9884	457	9925	2501	6369	8444
2014	14463	4811	7925	3574	9948	460	10080	2540	6469	8576
2015	15853	4993	8687	3917	10022	463	10254	2584	6580	8724
2016	17032	5138	9333	4209	10073	465	10352	2609	6643	8808
2017	18324	5294	10040	4528	10138	468	10465	2637	6716	8905
2018	19630	5432	10756	4850	10161	469	10535	2655	6761	8965
2019	20943	5551	11476	5175	10141	468	10562	2662	6778	8988
2020	22333	5669	12238	5518	10117	467	10584	2667	6792	9007
2021	23814	5789	13049	5884	10092	466	10605	2672	6806	9025
2022	25400	5914	13918	6276	10070	465	10629	2679	6821	9046
2023	27060	6035	14828	6686	10037	463	10641	2681	6829	9056
2024	28872	6167	15820	7134	10018	462	10668	2688	6846	9080
2025	30815	6303	16885	7614	10003	462	10699	2696	6866	9106
2026	32892	6444	18023	8127	9988	461	10732	2704	6887	9134

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB 3105	MLB 3106	MLB 3107	MLB 3108	MLB 3109	MLB 3111	MLB 3113	MLB 3114	MLB 3115	MLB 3116
2010	4104	6224	4966	6932	10213	4453	3103	1404	1457	3506
2011	4152	6297	5024	7014	10333	4506	3137	1420	1474	3545
2012	4188	6352	5068	7075	10422	4545	3163	1433	1487	3582
2013	4210	6385	5094	7111	10476	4568	3180	1440	1496	3614
2014	4250	6446	5143	7180	10577	4612	3207	1454	1511	3648
2015	4331	6568	5240	7315	10777	4700	3256	1481	1538	3687
2016	4367	6624	5285	7378	10869	4740	3280	1494	1551	3716
2017	4411	6689	5337	7451	10976	4786	3308	1509	1567	3750
2018	4435	6727	5367	7493	11038	4813	3323	1517	1576	3769
2019	4442	6737	5375	7504	11054	4821	3324	1520	1578	3772
2020	4447	6744	5381	7511	11066	4825	3324	1521	1580	3774
2021	4451	6750	5386	7518	11076	4830	3323	1523	1581	3775
2022	4456	6759	5392	7528	11090	4836	3323	1524	1583	3777
2023	4456	6759	5393	7528	11090	4836	3320	1525	1584	3775
2024	4463	6769	5401	7540	11107	4844	3321	1527	1586	3778
2025	4472	6782	5411	7554	11128	4853	3323	1530	1589	3782
2026	4481	6796	5422	7569	11150	4862	3326	1533	1593	3787

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	8573	5304	8109	5234	3181	7288	6969	6444	12200	8419
2011	8648	5350	8180	5300	3209	7365	7054	6522	12349	8522
2012	8709	5388	8237	5371	3231	7442	7148	6609	12513	8635
2013	8803	5446	8326	5428	3266	7523	7227	6683	12652	8730
2014	8941	5531	8456	5500	3317	7633	7327	6775	12827	8850
2015	9094	5627	8602	5598	3374	7770	7462	6900	13063	9013
2016	9181	5680	8684	5661	3406	7852	7548	6979	13213	9116
2017	9282	5743	8779	5732	3444	7946	7644	7068	13382	9233
2018	9344	5781	8838	5780	3467	8007	7710	7129	13497	9312
2019	9368	5796	8860	5805	3476	8036	7744	7160	13557	9352
2020	9387	5808	8879	5826	3483	8060	7774	7189	13610	9389
2021	9406	5819	8896	5847	3490	8084	7804	7216	13662	9425
2022	9427	5832	8916	5871	3498	8111	7837	7246	13719	9463
2023	9438	5839	8926	5887	3501	8128	7860	7268	13760	9491
2024	9462	5854	8949	5912	3511	8157	7895	7300	13821	9533
2025	9490	5871	8976	5939	3521	8189	7933	7335	13888	9579
2026	9518	5889	9003	5967	3531	8223	7972	7371	13956	9625

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	5942	8552	12355	7562	16300	5095	7949	5204	6013	9609
2011	6015	8656	12500	7650	16491	5153	8038	5262	6080	9932
2012	6095	8771	12622	7725	16652	5206	8123	5318	6144	10346
2013	6162	8868	12754	7807	16829	5255	8196	5366	6199	10663
2014	6248	8991	12932	7917	17066	5313	8272	5415	6257	11025
2015	6363	9156	13132	8039	17329	5379	8361	5474	6324	11576
2016	6436	9260	13263	8119	17502	5425	8426	5517	6374	11988
2017	6518	9379	13413	8212	17701	5480	8504	5568	6432	12431
2018	6574	9459	13508	8270	17827	5511	8546	5595	6464	12837
2019	6603	9501	13548	8295	17881	5520	8554	5600	6470	13202
2020	6629	9538	13581	8315	17925	5526	8557	5602	6472	13570
2021	6655	9574	13613	8336	17969	5532	8559	5604	6474	13947
2022	6682	9614	13650	8358	18017	5539	8564	5607	6478	14339
2023	6702	9642	13670	8371	18045	5540	8559	5603	6474	14725
2024	6732	9685	13711	8396	18100	5549	8566	5608	6480	15144
2025	6764	9731	13756	8425	18161	5560	8577	5615	6487	15580
2026	6798	9778	13803	8454	18224	5572	8588	5623	6496	16030

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	6350	4322	5085	10425	10897	5383	2983	12232	22234	4069
2011	6497	4421	5202	10657	11055	5443	3026	12409	22555	4118
2012	6656	4529	5329	10911	11212	5498	3069	12584	22874	4173
2013	6767	4605	5419	11090	11361	5552	3095	12691	23068	4219
2014	6925	4713	5545	11342	11575	5627	3128	12830	23320	4278
2015	7144	4862	5720	11693	11844	5718	3174	13018	23662	4357
2016	7298	4966	5843	11937	12016	5774	3207	13151	23904	4406
2017	7465	5080	5977	12203	12207	5839	3244	13304	24181	4463
2018	7603	5174	6088	12422	12348	5880	3268	13401	24358	4501
2019	7713	5249	6176	12594	12440	5896	3278	13444	24436	4521
2020	7820	5322	6262	12761	12527	5910	3287	13480	24502	4539
2021	7928	5395	6348	12930	12613	5923	3296	13516	24567	4556
2022	8040	5471	6438	13104	12703	5939	3305	13555	24639	4575
2023	8144	5542	6521	13266	12779	5947	3311	13579	24682	4589
2024	8262	5622	6615	13449	12875	5964	3322	13623	24762	4609
2025	8384	5705	6713	13640	12975	5983	3334	13672	24850	4632
2026	8509	5790	6813	13835	13078	6003	3346	13722	24942	4654

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	11604	7526	1571	7736	13222	2676	983	3494	6189	6989
2011	11701	7600	1584	7800	13340	2706	997	3533	6242	7049
2012	11806	7671	1598	7871	13466	2734	1011	3570	6304	7119
2013	11921	7749	1614	7948	13602	2759	1023	3603	6365	7188
2014	12053	7845	1632	8036	13758	2784	1035	3636	6440	7273
2015	12202	7953	1652	8135	13935	2814	1049	3675	6550	7397
2016	12298	8023	1665	8198	14050	2836	1060	3704	6610	7464
2017	12411	8104	1680	8274	14185	2863	1073	3738	6679	7542
2018	12472	8152	1688	8314	14261	2877	1081	3757	6721	7589
2019	12482	8167	1690	8321	14279	2879	1085	3760	6735	7605
2020	12486	8177	1690	8324	14289	2880	1089	3761	6746	7617
2021	12489	8187	1691	8326	14299	2881	1092	3762	6756	7629
2022	12495	8200	1692	8330	14313	2883	1096	3764	6768	7643
2023	12487	8202	1691	8325	14310	2881	1098	3762	6772	7648
2024	12498	8217	1692	8332	14329	2883	1103	3765	6787	7664
2025	12513	8235	1694	8342	14352	2887	1107	3770	6804	7683
2026	12529	8254	1696	8352	14377	2891	1112	3775	6821	7703

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	12568	11024	8520	3617	6442	7875	6730	7111	8584	7152
2011	12676	11119	8643	3664	6535	7966	6827	7198	8686	7239
2012	12801	11229	8765	3714	6628	8069	6923	7285	8795	7327
2013	12925	11338	8840	3750	6684	8155	6982	7372	8895	7415
2014	13078	11472	8936	3787	6757	8228	7058	7486	9004	7529
2015	13301	11668	9067	3837	6856	8322	7162	7633	9144	7677
2016	13422	11774	9160	3873	6926	8396	7235	7724	9240	7769
2017	13563	11897	9266	3916	7006	8481	7319	7828	9349	7873
2018	13647	11971	9334	3942	7058	8531	7373	7899	9419	7944
2019	13675	11996	9364	3952	7080	8547	7396	7938	9452	7983
2020	13697	12015	9389	3960	7099	8558	7416	7973	9479	8019
2021	13718	12034	9414	3967	7118	8568	7436	8008	9506	8054
2022	13743	12055	9442	3976	7139	8582	7458	8045	9536	8092
2023	13752	12063	9458	3981	7151	8585	7471	8073	9555	8120
2024	13781	12089	9489	3991	7175	8600	7495	8113	9587	8160
2025	13815	12119	9523	4003	7200	8619	7522	8156	9624	8204
2026	13851	12150	9558	4015	7227	8639	7549	8201	9661	8248

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	12864	17261	3442	12919	2189	2652	9061	11548	9510	8187
2011	13022	17473	3543	13026	2207	2674	9269	11779	9681	8351
2012	13180	17685	3636	13144	2227	2699	9495	12063	9890	8553
2013	13337	17896	3733	13272	2249	2725	9653	12210	10006	8657
2014	13543	18172	3840	13419	2273	2755	9873	12366	10132	8767
2015	13809	18529	3960	13585	2302	2789	10179	12592	10315	8928
2016	13975	18751	4063	13691	2320	2811	10395	12783	10461	9063
2017	14161	19001	4175	13817	2341	2837	10629	12994	10622	9213
2018	14290	19174	4271	13885	2352	2851	10824	13154	10741	9326
2019	14361	19269	4352	13896	2354	2853	10976	13260	10817	9401
2020	14424	19354	4432	13900	2355	2854	11126	13361	10887	9473
2021	14487	19439	4514	13904	2356	2855	11276	13461	10958	9544
2022	14555	19530	4598	13911	2357	2856	11432	13567	11032	9618
2023	14606	19598	4679	13902	2355	2854	11577	13657	11093	9682
2024	14678	19695	4767	13914	2357	2857	11740	13768	11172	9761
2025	14756	19800	4860	13930	2360	2860	11910	13884	11255	9844
2026	14837	19907	4954	13948	2363	2864	12084	14003	11339	9928

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	5394	8719	6493	6922	2179	4216	3818	8364	7700	4813
2011	5450	8773	6534	6965	2204	4249	3842	8454	7748	4868
2012	5516	8850	6591	7025	2233	4292	3875	8559	7815	4932
2013	5571	8958	6672	7111	2257	4342	3923	8652	7911	4984
2014	5638	9047	6738	7182	2277	4384	3962	8731	7989	5029
2015	5736	9151	6816	7264	2303	4434	4007	8831	8081	5086
2016	5793	9218	6867	7318	2323	4469	4037	8907	8141	5131
2017	5859	9299	6928	7382	2347	4510	4072	8996	8212	5183
2018	5901	9342	6960	7416	2361	4532	4091	9047	8249	5214
2019	5919	9345	6963	7419	2365	4536	4093	9062	8253	5224
2020	5934	9345	6962	7418	2368	4538	4092	9072	8252	5230
2021	5948	9343	6962	7417	2371	4539	4092	9081	8251	5237
2022	5965	9344	6963	7418	2375	4541	4092	9093	8252	5245
2023	5974	9335	6956	7410	2376	4539	4088	9095	8243	5247
2024	5992	9339	6959	7414	2380	4543	4090	9109	8247	5256
2025	6013	9346	6965	7420	2385	4548	4093	9127	8254	5268
2026	6034	9355	6972	7426	2391	4554	4097	9146	8261	5280

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	14068	9732	4615	7830	1142	11986	5212	5603	8121	2587
2011	14231	9844	4668	7980	1155	12089	5316	5715	8284	2616
2012	14416	9973	4729	8117	1170	12208	5444	5853	8484	2643
2013	14569	10079	4780	8222	1183	12326	5510	5924	8587	2667
2014	14700	10169	4822	8334	1193	12472	5581	5999	8697	2692
2015	14868	10285	4877	8426	1207	12685	5683	6109	8857	2721
2016	14999	10376	4920	8531	1217	12801	5769	6202	8991	2742
2017	15152	10481	4971	8650	1230	12935	5864	6304	9140	2768
2018	15241	10544	5000	8733	1237	13015	5936	6382	9252	2781
2019	15269	10563	5009	8780	1239	13042	5984	6433	9327	2784
2020	15289	10576	5016	8824	1241	13063	6030	6482	9398	2785
2021	15308	10589	5022	8867	1243	13083	6075	6531	9469	2785
2022	15331	10606	5029	8913	1244	13107	6123	6582	9544	2787
2023	15337	10609	5031	8948	1245	13115	6163	6626	9607	2785
2024	15365	10629	5041	8997	1247	13143	6213	6679	9686	2788
2025	15398	10652	5052	9049	1250	13176	6266	6736	9768	2791
2026	15434	10676	5063	9103	1253	13209	6320	6794	9852	2795

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	464	475	1225	1327	1553	2781	758	590	440	639
2011	469	481	1239	1342	1657	2941	809	596	445	646
2012	474	486	1252	1355	1760	3099	859	603	450	653
2013	479	490	1263	1367	1840	3224	899	608	454	659
2014	483	495	1275	1380	1916	3342	936	614	458	665
2015	488	500	1289	1394	2003	3476	978	620	463	672
2016	492	504	1299	1405	2102	3626	1027	625	466	677
2017	497	508	1311	1417	2210	3789	1079	631	471	684
2018	499	511	1317	1424	2313	3941	1130	634	473	687
2019	499	511	1318	1425	2412	4083	1178	635	473	688
2020	500	512	1319	1425	2513	4228	1227	635	474	688
2021	500	512	1319	1425	2618	4378	1279	635	474	688
2022	500	512	1320	1425	2729	4534	1333	635	474	688
2023	500	512	1319	1424	2841	4691	1387	635	474	688
2024	500	512	1320	1425	2961	4860	1446	636	474	689
2025	501	513	1322	1426	3088	5037	1508	636	475	689
2026	501	513	1324	1428	3221	5221	1573	637	475	690

Table B.2	Dwellings by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	103	598	399	1328	469	3602	1231	2311	8248	2274
2011	104	605	403	1343	474	3642	1244	2337	8490	2337
2012	105	611	408	1357	479	3680	1258	2362	8713	2395
2013	106	617	411	1369	483	3714	1269	2383	8945	2456
2014	107	622	415	1382	488	3748	1281	2405	9203	2523
2015	108	629	419	1397	493	3788	1294	2431	9489	2597
2016	109	634	423	1408	497	3818	1305	2450	9736	2661
2017	110	640	427	1421	501	3853	1317	2472	10004	2730
2018	111	643	429	1428	504	3872	1323	2485	10235	2789
2019	111	644	429	1429	504	3876	1324	2487	10429	2838
2020	111	644	429	1429	505	3877	1325	2488	10622	2886
2021	111	644	429	1430	505	3878	1325	2488	10817	2935
2022	111	645	430	1431	505	3880	1326	2490	11019	2986
2023	111	644	429	1430	505	3878	1325	2488	11211	3034
2024	111	645	430	1431	505	3881	1326	2491	11424	3087
2025	111	645	430	1433	506	3886	1328	2494	11645	3142
2026	111	646	431	1435	506	3891	1330	2497	11871	3199

Table B.2 Dwellings by postcode (continued)								
	Postcode							
	MLB	MLB	SG	SG	MLB	SG	SG	SG
	3805	3916	3950	3953	3976	3984	3995	3996
2010	18286	332	2486	3927	7977	3056	7190	3893
2011	18822	337	2533	4001	8211	3157	7375	3993
2012	19317	341	2578	4072	8427	3251	7538	4081
2013	19831	345	2618	4134	8651	3324	7666	4150
2014	20402	349	2650	4184	8900	3396	7793	4219
2015	21036	354	2680	4230	9177	3472	7923	4289
2016	21585	358	2714	4284	9416	3554	8060	4363
2017	22178	362	2753	4344	9675	3642	8210	4444
2018	22691	365	2780	4387	9899	3717	8328	4508
2019	23121	366	2796	4412	10087	3779	8413	4554
2020	23548	367	2811	4434	10273	3839	8495	4598
2021	23980	368	2825	4457	10461	3900	8576	4642
2022	24428	370	2841	4481	10657	3963	8662	4688
2023	24855	370	2853	4500	10843	4022	8737	4729
2024	25327	372	2870	4525	11049	4088	8827	4777
2025	25816	373	2888	4553	11262	4157	8920	4828
2026	26318	375	2906	4581	11481	4227	9015	4879

Table B.3	Gross regional product by postcode									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	13656	1818	7483	3374	510	23	1198	302	769	1018
2011	14628	1909	8016	3615	526	23	1235	311	793	1050
2012	14957	1917	8195	3696	530	24	1229	310	789	1045
2013	15359	1943	8416	3795	525	23	1235	311	793	1051
2014	15642	1967	8571	3865	531	24	1250	315	802	1063
2015	16112	2018	8828	3981	535	24	1265	319	812	1076
2016	16759	2073	9183	4141	544	24	1287	324	826	1095
2017	17430	2130	9551	4307	553	24	1309	330	840	1115
2018	18076	2182	9904	4466	560	25	1328	335	852	1131
2019	18782	2240	10292	4641	568	25	1349	340	866	1149
2020	19378	2283	10618	4788	573	25	1362	343	874	1160
2021	19989	2326	10953	4939	577	25	1374	346	882	1171
2022	20736	2384	11362	5124	585	26	1394	351	894	1188
2023	21487	2440	11773	5309	592	26	1413	356	907	1204
2024	22196	2491	12162	5485	597	26	1427	360	916	1217
2025	22946	2543	12573	5670	603	26	1443	364	926	1231
2026	23736	2599	13006	5865	609	27	1460	368	937	1246

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	226	343	274	382	563	245	166	77	85	213
2011	236	358	285	399	587	256	173	81	88	215
2012	236	358	286	399	587	256	174	81	88	213
2013	235	357	285	398	586	256	173	81	88	215
2014	247	374	299	417	614	268	179	84	92	219
2015	258	392	313	436	643	280	185	88	96	222
2016	267	405	323	451	664	290	190	91	98	226
2017	276	418	334	466	687	299	196	94	101	229
2018	284	431	344	480	708	309	201	97	104	231
2019	294	445	355	496	730	319	206	100	107	235
2020	301	456	364	508	749	327	210	103	109	236
2021	308	468	373	521	767	335	214	105	112	238
2022	318	482	385	537	791	345	219	109	115	240
2023	327	496	396	553	814	355	225	112	117	243
2024	336	509	406	567	836	365	229	115	120	245
2025	345	523	417	583	859	374	234	118	123	247
2026	355	538	429	599	882	385	240	121	126	249

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	1062	657	1005	667	394	882	827	765	1448	992
2011	1095	678	1036	688	406	911	856	791	1498	1026
2012	1090	675	1031	691	405	914	864	799	1513	1037
2013	1096	678	1036	700	407	923	876	810	1533	1051
2014	1109	686	1049	721	411	943	902	834	1579	1082
2015	1122	694	1061	748	416	965	932	862	1632	1119
2016	1141	706	1080	771	423	989	961	889	1683	1153
2017	1161	718	1098	793	431	1013	991	916	1734	1189
2018	1178	729	1114	815	437	1035	1018	941	1782	1221
2019	1197	740	1132	838	444	1059	1048	969	1835	1258
2020	1208	747	1142	856	448	1076	1072	991	1876	1286
2021	1218	754	1152	874	452	1093	1096	1013	1918	1315
2022	1236	765	1169	897	459	1117	1126	1042	1972	1352
2023	1253	775	1185	921	465	1140	1157	1069	2025	1388
2024	1266	783	1197	941	470	1160	1184	1095	2073	1421
2025	1280	792	1211	963	475	1181	1213	1122	2124	1456
2026	1295	801	1225	987	480	1204	1244	1150	2177	1492

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	705	1009	1037	641	1382	353	484	317	366	3869
2011	729	1044	1051	650	1400	357	487	319	368	4104
2012	737	1054	1044	645	1391	355	484	317	366	4173
2013	747	1068	1032	637	1374	354	487	319	369	4243
2014	769	1100	1055	652	1405	361	496	325	375	4321
2015	795	1137	1108	684	1475	372	504	330	381	4440
2016	820	1172	1130	698	1504	379	511	335	387	4593
2017	845	1208	1152	711	1533	385	519	340	392	4751
2018	868	1241	1172	723	1559	390	525	344	397	4900
2019	894	1278	1194	736	1587	396	532	348	402	5063
2020	914	1306	1207	745	1605	400	535	351	405	5195
2021	934	1335	1221	753	1623	403	539	353	408	5329
2022	960	1372	1242	766	1650	409	545	357	412	5498
2023	986	1409	1262	778	1676	414	551	361	417	5665
2024	1010	1442	1278	787	1697	418	555	364	420	5820
2025	1034	1477	1295	798	1720	423	560	367	424	5983
2026	1060	1514	1314	809	1744	427	565	370	428	6155

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	797	542	638	1276	1357	773	506	2076	3773	483
2011	818	557	655	1310	1397	792	516	2114	3843	499
2012	816	555	653	1308	1392	786	510	2090	3800	505
2013	801	545	642	1285	1386	791	514	2107	3830	511
2014	816	555	653	1308	1405	809	532	2181	3964	527
2015	831	566	665	1333	1426	834	558	2288	4159	544
2016	843	574	675	1353	1449	852	572	2348	4267	561
2017	856	582	685	1373	1473	871	587	2409	4378	578
2018	866	589	693	1389	1492	887	601	2464	4479	594
2019	878	597	703	1409	1515	906	616	2526	4591	612
2020	883	601	707	1418	1527	918	627	2571	4672	626
2021	889	605	712	1428	1539	930	638	2616	4755	640
2022	900	612	720	1445	1560	948	653	2677	4866	658
2023	909	619	728	1461	1579	965	667	2736	4973	675
2024	917	624	734	1473	1594	979	680	2788	5068	691
2025	924	629	740	1486	1610	994	693	2844	5169	708
2026	933	635	747	1500	1627	1011	708	2902	5274	726

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	1271	741	172	847	1416	163	60	213	399	451
2011	1268	744	172	845	1413	164	61	214	417	471
2012	1252	736	169	834	1396	163	60	213	423	478
2013	1243	730	168	829	1387	164	61	214	421	475
2014	1262	743	171	841	1409	167	62	218	428	484
2015	1295	769	175	863	1446	170	63	222	437	493
2016	1307	780	177	872	1461	172	65	225	448	505
2017	1320	790	179	880	1476	175	66	228	458	518
2018	1330	799	180	886	1487	177	67	231	468	529
2019	1342	809	182	894	1501	179	68	234	479	541
2020	1344	813	182	896	1505	180	68	235	487	550
2021	1346	818	182	898	1508	181	69	237	495	559
2022	1356	827	184	904	1520	184	70	240	506	571
2023	1365	835	185	910	1530	186	71	242	516	583
2024	1369	840	185	913	1535	187	72	244	525	593
2025	1374	847	186	916	1542	189	73	246	535	604
2026	1380	854	187	920	1550	190	73	248	545	615

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	811	711	1446	544	1093	1019	1142	1304	1348	1312
2011	847	743	1473	549	1113	1014	1163	1312	1350	1320
2012	859	754	1456	542	1101	998	1150	1312	1341	1320
2013	854	749	1468	542	1110	986	1159	1316	1337	1324
2014	870	763	1519	554	1148	993	1200	1367	1372	1375
2015	887	778	1594	578	1205	1027	1259	1469	1453	1477
2016	909	797	1635	589	1236	1035	1292	1514	1484	1522
2017	931	817	1678	600	1269	1043	1325	1560	1516	1569
2018	951	834	1716	610	1298	1048	1356	1603	1544	1612
2019	973	854	1759	620	1330	1055	1390	1650	1576	1659
2020	989	868	1790	627	1354	1054	1414	1686	1597	1696
2021	1005	881	1822	633	1378	1054	1439	1723	1618	1733
2022	1027	901	1864	643	1410	1059	1473	1771	1648	1781
2023	1048	919	1906	653	1441	1063	1505	1818	1677	1829
2024	1066	935	1942	661	1469	1064	1534	1861	1702	1871
2025	1086	952	1981	669	1498	1066	1564	1906	1728	1917
2026	1106	970	2021	678	1528	1068	1596	1953	1755	1964

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	2360	3166	180	1415	240	290	1170	2326	1683	1649
2011	2374	3185	187	1411	239	290	1200	2360	1712	1673
2012	2374	3185	191	1394	236	286	1194	2292	1667	1625
2013	2382	3196	197	1384	234	284	1174	2266	1649	1606
2014	2473	3318	206	1405	238	288	1194	2267	1652	1607
2015	2658	3566	217	1441	244	296	1216	2308	1682	1637
2016	2739	3675	227	1456	247	299	1233	2319	1692	1644
2017	2822	3786	237	1470	249	302	1250	2330	1702	1652
2018	2899	3890	247	1480	251	304	1264	2334	1708	1655
2019	2985	4005	258	1494	253	307	1280	2343	1716	1661
2020	3051	4093	267	1496	254	307	1288	2335	1713	1656
2021	3118	4183	277	1499	254	308	1295	2327	1709	1650
2022	3204	4299	288	1510	256	310	1309	2332	1715	1653
2023	3289	4413	300	1519	257	312	1323	2334	1719	1655
2024	3366	4517	311	1524	258	313	1332	2329	1718	1652
2025	3448	4626	323	1530	259	314	1343	2326	1718	1649
2026	3533	4741	336	1537	260	315	1354	2325	1719	1648

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	461	647	481	514	282	382	284	1015	572	623
2011	477	656	488	521	280	385	287	1012	580	620
2012	476	653	485	518	276	381	286	997	576	610
2013	473	662	492	525	273	382	290	987	585	603
2014	478	671	498	532	275	386	294	994	592	607
2015	488	682	506	541	284	395	298	1027	602	627
2016	496	693	515	550	286	400	303	1036	612	632
2017	505	704	523	559	289	405	308	1044	622	637
2018	512	714	531	567	290	409	313	1050	630	640
2019	521	725	539	576	292	414	318	1058	640	645
2020	525	731	544	580	292	416	320	1059	646	644
2021	530	737	548	585	292	418	323	1059	651	644
2022	538	748	556	593	293	422	327	1065	660	647
2023	546	757	563	601	294	426	332	1070	669	650
2024	551	764	569	607	294	429	335	1072	675	650
2025	558	772	575	613	295	432	338	1074	682	651
2026	564	781	581	620	296	435	342	1078	690	653

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	1821	1260	597	503	148	773	1050	1128	1639	157
2011	1811	1253	594	519	147	808	1065	1145	1664	158
2012	1783	1234	585	515	145	819	1034	1112	1615	157
2013	1761	1218	578	521	143	815	1023	1099	1597	159
2014	1773	1227	582	526	144	830	1023	1100	1598	161
2015	1834	1269	602	552	149	846	1042	1120	1627	164
2016	1848	1279	606	566	150	867	1047	1125	1635	166
2017	1863	1289	611	580	151	888	1052	1131	1643	169
2018	1871	1295	614	592	152	907	1054	1133	1646	171
2019	1884	1303	618	607	153	928	1057	1137	1653	173
2020	1883	1303	618	617	153	943	1054	1133	1647	174
2021	1882	1302	617	627	153	958	1050	1129	1642	175
2022	1892	1309	621	641	154	979	1052	1131	1645	177
2023	1899	1314	623	655	154	999	1053	1132	1647	179
2024	1901	1315	624	667	154	1017	1051	1130	1644	181
2025	1904	1317	625	679	155	1035	1050	1129	1642	182
2026	1908	1320	626	692	155	1055	1049	1128	1640	184

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	28	29	75	80	99	176	48	36	27	39
2011	28	29	75	80	104	183	51	36	27	39
2012	28	29	75	80	107	188	52	36	27	39
2013	28	29	75	80	108	189	53	36	27	39
2014	29	30	76	82	116	202	57	37	27	40
2015	29	30	78	83	125	217	61	37	28	41
2016	30	31	79	84	132	227	65	38	28	41
2017	30	31	80	85	140	238	68	38	29	42
2018	31	31	81	86	147	249	72	39	29	42
2019	31	32	82	88	155	261	76	39	29	43
2020	31	32	83	88	162	272	79	40	30	43
2021	31	32	83	89	169	282	83	40	30	43
2022	32	33	84	90	178	295	87	40	30	44
2023	32	33	85	91	187	309	91	41	31	44
2024	32	33	86	91	196	322	96	41	31	45
2025	33	33	86	92	206	335	100	42	31	45
2026	33	34	87	93	216	350	105	42	31	45

Table B.3	Gross regional product by postcode (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	6	36	24	81	29	219	75	141	432	121
2011	6	37	24	81	29	221	75	142	448	125
2012	6	36	24	81	29	219	75	141	458	127
2013	6	37	24	81	29	221	75	142	472	131
2014	6	37	25	83	29	225	77	144	493	136
2015	7	38	25	84	30	228	78	147	521	144
2016	7	38	26	85	30	232	79	149	544	150
2017	7	39	26	87	31	235	80	151	568	156
2018	7	40	26	88	31	238	81	153	592	162
2019	7	40	27	89	31	241	82	155	618	169
2020	7	40	27	89	32	243	83	156	640	174
2021	7	41	27	90	32	244	83	157	663	180
2022	7	41	27	91	32	247	84	159	691	187
2023	7	41	28	92	33	250	85	160	719	194
2024	7	42	28	93	33	252	86	161	746	201
2025	7	42	28	94	33	254	87	163	774	208
2026	7	43	28	94	33	256	88	164	804	216

Table B.3 Gross regional product by postcode (continued)								
	Postcode							
	MLB	MLB	SG	SG	MLB	SG	SG	SG
	3805	3916	3950	3953	3976	3984	3995	3996
2010	958	16	198	314	418	158	352	191
2011	993	17	199	314	433	172	388	211
2012	1016	17	197	311	443	186	423	230
2013	1046	17	203	321	456	186	425	231
2014	1093	18	207	328	477	198	451	245
2015	1154	19	210	333	504	204	458	248
2016	1206	19	214	339	526	216	486	263
2017	1260	20	218	345	550	229	515	279
2018	1312	21	222	350	572	242	545	295
2019	1369	21	225	356	597	256	577	313
2020	1418	22	228	360	619	269	607	329
2021	1469	22	230	363	641	283	639	346
2022	1531	23	233	369	668	299	676	366
2023	1593	24	237	374	695	315	714	386
2024	1653	24	239	378	721	332	752	407
2025	1716	25	242	383	749	349	793	429
2026	1783	26	245	387	778	368	837	452

Appendix C: Calendar year forecasts for Multinet Gas by postcode – Tariff V energy and customers

Table C.1	Tariff V – Residential customers									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	3	837	679	66	0	8	8882	2677	5785	7441
2011	3	834	687	66	0	8	8906	2656	5800	7452
2012	3	940	696	100	0	8	8963	2665	5826	7507
2013	3	950	717	104	0	8	9051	2672	5835	7541
2014	3	951	718	104	0	8	9130	2680	5837	7510
2015	5	946	722	105	0	8	9169	2660	5875	7494
2016	5	964	756	110	0	8	9178	2662	5865	7472
2017	6	985	794	116	0	8	9211	2670	5869	7465
2018	6	1005	833	122	0	8	9245	2679	5879	7471
2019	7	1025	874	129	0	8	9281	2690	5898	7493
2020	7	1045	917	136	0	8	9318	2700	5918	7516
2021	8	1065	962	143	0	8	9354	2710	5938	7538
2022	8	1086	1008	150	0	8	9387	2720	5955	7558
2023	9	1107	1058	158	0	8	9424	2730	5977	7585
2024	9	1129	1109	166	0	8	9456	2739	5993	7602
2025	10	1150	1162	175	0	8	9484	2747	6006	7615
2026	11	1172	1219	184	0	8	9517	2756	6021	7632

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	4222	5625	5008	7323	10128	4101	2716	1146	1033	3361
2011	4235	5663	5028	7347	10187	4119	2734	1151	1040	3386
2012	4258	5681	5045	7392	10246	4137	2739	1162	1061	3409
2013	4272	5717	5100	7427	10339	4166	2752	1163	1075	3455
2014	4298	5725	5119	7438	10369	4211	2760	1165	1085	3535
2015	4281	5724	5141	7482	10462	4243	2763	1168	1087	3574
2016	4273	5716	5141	7476	10472	4248	2759	1167	1091	3590
2017	4274	5721	5154	7489	10511	4265	2761	1168	1099	3618
2018	4280	5732	5168	7506	10547	4281	2766	1170	1105	3638
2019	4293	5750	5185	7530	10584	4296	2773	1174	1109	3651
2020	4306	5768	5203	7554	10620	4310	2781	1178	1114	3663
2021	4319	5786	5220	7578	10656	4325	2788	1182	1118	3674
2022	4331	5801	5235	7600	10689	4339	2795	1185	1122	3685
2023	4345	5821	5253	7625	10725	4353	2803	1189	1126	3695
2024	4356	5835	5267	7645	10756	4366	2809	1192	1130	3706
2025	4364	5847	5279	7662	10783	4378	2814	1194	1133	3716
2026	4374	5862	5294	7682	10816	4391	2820	1197	1138	3728

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	8337	4975	7525	5663	2917	6964	6562	6621	11624	8634
2011	8342	4976	7535	5692	2934	6977	6619	6682	11655	8691
2012	8299	4960	7589	5776	2928	6982	6630	6737	11730	8703
2013	8365	4985	7671	5882	2957	7019	6682	6820	11866	8772
2014	8373	4998	7708	5918	2963	7029	6765	6867	11899	8850
2015	8360	4996	7745	5940	2951	7038	6782	6867	11980	8870
2016	8329	4979	7749	5963	2944	7021	6791	6880	11991	8873
2017	8315	4971	7773	6002	2944	7019	6818	6912	12031	8898
2018	8318	4974	7798	6038	2948	7028	6846	6943	12077	8928
2019	8340	4988	7828	6072	2957	7051	6878	6978	12131	8966
2020	8365	5003	7858	6105	2967	7074	6911	7012	12187	9005
2021	8389	5017	7888	6138	2976	7097	6943	7046	12241	9044
2022	8409	5030	7915	6169	2984	7118	6973	7078	12292	9080
2023	8438	5047	7946	6202	2995	7144	7006	7113	12350	9121
2024	8455	5058	7971	6233	3002	7162	7035	7144	12398	9155
2025	8469	5066	7994	6262	3008	7177	7061	7172	12442	9185
2026	8485	5077	8020	6294	3016	7195	7091	7204	12492	9219

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	6325	7794	11987	7532	16242	4926	7608	2435	5740	8842
2011	6354	7827	12055	7570	16488	5022	7725	2554	5868	8880
2012	6393	7835	12094	7656	16788	5069	7810	2608	5986	8887
2013	6508	7868	12211	7708	17144	5153	7942	2434	6105	8912
2014	6530	7909	12370	7790	17419	5238	8048	2841	6191	8932
2015	6553	7906	12449	7858	17736	5312	8113	2914	6288	8905
2016	6565	7892	12474	7880	17858	5340	8149	2816	6321	8880
2017	6593	7895	12533	7924	18041	5387	8214	2892	6377	8872
2018	6623	7910	12589	7963	18183	5421	8259	2959	6415	8883
2019	6655	7937	12644	8000	18290	5445	8288	3041	6438	8915
2020	6687	7966	12699	8037	18392	5467	8315	3120	6459	8950
2021	6719	7995	12753	8072	18492	5488	8340	3199	6479	8984
2022	6749	8020	12804	8107	18591	5509	8365	3272	6499	9014
2023	6782	8052	12859	8143	18685	5529	8388	3345	6516	9054
2024	6811	8075	12908	8175	18784	5550	8412	3418	6536	9081
2025	6838	8095	12953	8206	18880	5570	8436	3491	6555	9104
2026	6868	8118	13004	8241	18987	5593	8463	3564	6577	9130

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	6183	4208	4085	7563	8600	5341	3797	12737	21004	3803
2011	6191	4220	4113	7572	8675	5398	3857	12834	21070	3810
2012	6202	4199	4142	8105	8697	5434	3381	12870	21209	3823
2013	6229	4220	4165	8172	8725	5489	3407	12983	21285	3867
2014	6245	4225	4178	8211	8729	5546	3433	13040	21340	3876
2015	6239	4206	4173	8225	8743	5602	3499	13128	21420	3882
2016	6223	4188	4172	8316	8732	5622	3502	13138	21400	3879
2017	6220	4179	4179	8431	8739	5659	3515	13182	21429	3885
2018	6229	4178	4193	8542	8759	5691	3528	13230	21480	3895
2019	6252	4189	4215	8650	8795	5718	3542	13284	21557	3911
2020	6276	4201	4237	8758	8832	5745	3557	13339	21636	3926
2021	6300	4212	4260	8867	8868	5771	3572	13394	21714	3942
2022	6322	4222	4280	8975	8901	5796	3586	13444	21785	3956
2023	6349	4236	4305	9086	8942	5822	3601	13501	21870	3973
2024	6368	4244	4324	9195	8972	5846	3614	13548	21935	3986
2025	6385	4250	4342	9304	8999	5870	3625	13591	21991	3997
2026	6403	4257	4361	9417	9029	5896	3639	13640	22057	4010

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	11083	7925	1583	8776	13624	2504	741	3186	5987	6731
2011	11125	8015	1586	8819	13752	2510	750	3190	6003	6747
2012	11354	8038	1589	8896	13796	2504	752	3196	6045	6765
2013	11515	8125	1594	9018	13867	2518	757	3204	6080	6819
2014	11592	8213	1599	9082	13958	2524	757	3209	6096	6862
2015	11742	8299	1604	9197	14006	2523	760	3220	6097	6858
2016	11799	8325	1601	9226	14009	2516	760	3212	6090	6850
2017	11896	8377	1601	9284	14048	2513	762	3211	6096	6858
2018	11965	8419	1603	9327	14088	2515	764	3214	6109	6873
2019	12006	8453	1607	9358	14134	2522	767	3223	6128	6895
2020	12045	8486	1612	9387	14179	2529	770	3233	6149	6918
2021	12081	8518	1617	9415	14224	2537	774	3242	6169	6941
2022	12117	8549	1621	9442	14264	2543	776	3250	6187	6961
2023	12149	8580	1626	9468	14311	2551	780	3260	6209	6986
2024	12184	8610	1629	9494	14348	2556	782	3267	6225	7005
2025	12219	8638	1632	9518	14381	2561	785	3273	6239	7020
2026	12259	8670	1636	9547	14421	2566	787	3280	6256	7039

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	11662	9617	8292	3904	6200	6690	6969	6526	7510	6273
2011	11694	9719	8341	3936	6290	6740	7100	6560	7563	6532
2012	11781	10063	8290	3691	6326	6801	7150	6566	7569	6838
2013	11877	10176	8354	3723	6412	6850	7266	6591	7597	7160
2014	11972	10267	8415	3736	6498	6886	7328	6655	7621	7570
2015	12037	10392	8485	3753	6572	6938	7343	6755	7638	8089
2016	12048	10462	8482	3755	6608	6949	7375	6766	7628	8191
2017	12091	10570	8499	3767	6664	6980	7430	6794	7634	8326
2018	12134	10650	8522	3780	6710	7008	7477	6825	7650	8432
2019	12179	10704	8554	3795	6748	7034	7516	6859	7677	8513
2020	12224	10755	8587	3809	6784	7060	7554	6893	7704	8590
2021	12269	10804	8619	3824	6820	7085	7592	6927	7732	8666
2022	12310	10853	8649	3837	6854	7109	7628	6958	7756	8744
2023	12356	10898	8683	3852	6889	7135	7665	6994	7786	8816
2024	12394	10947	8710	3864	6923	7157	7701	7024	7808	8895
2025	12429	10996	8735	3876	6956	7178	7735	7052	7828	8974
2026	12470	11049	8762	3888	6993	7202	7773	7084	7850	9058

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	13097	17062	4017	11193	2144	2718	7869	9232	8598	7569
2011	13176	17325	4064	11252	2148	2772	7885	9286	8644	7585
2012	13278	17530	4096	11306	2141	2835	7897	9259	8608	7580
2013	13440	17741	4139	11341	2154	2864	7943	9338	8656	7590
2014	13550	17892	4216	11399	2167	2892	7951	9347	8680	7602
2015	13654	18025	4250	11428	2171	2925	7951	9328	8716	7597
2016	13693	18117	4276	11417	2166	2938	7933	9306	8700	7571
2017	13769	18262	4313	11435	2166	2961	7931	9303	8703	7559
2018	13843	18392	4353	11459	2169	2977	7944	9317	8720	7563
2019	13918	18509	4397	11492	2175	2988	7974	9350	8752	7585
2020	13994	18625	4442	11526	2181	2997	8006	9385	8787	7609
2021	14069	18740	4486	11559	2188	3006	8038	9420	8821	7633
2022	14140	18852	4530	11589	2193	3015	8067	9450	8851	7653
2023	14217	18966	4577	11625	2200	3023	8103	9490	8889	7681
2024	14286	19076	4620	11651	2205	3032	8129	9517	8917	7699
2025	14351	19182	4663	11674	2209	3040	8151	9541	8941	7712
2026	14423	19298	4707	11701	2213	3050	8176	9568	8968	7729

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	4801	8963	5846	6561	2918	3879	3458	8307	7338	5354
2011	4808	8988	5866	6597	2946	3909	3481	8358	7382	5381
2012	4792	9031	5889	6660	2610	3920	3467	8397	7426	5467
2013	4816	9084	5948	6685	2618	3967	3484	8505	7478	5536
2014	4841	9095	5956	6737	2637	4003	3492	8637	7516	5600
2015	4847	9097	5966	6784	2645	3992	3513	8791	7532	5618
2016	4835	9080	5960	6791	2646	3993	3507	8834	7531	5638
2017	4832	9084	5968	6816	2653	4005	3509	8905	7549	5675
2018	4838	9097	5980	6838	2661	4017	3514	8959	7568	5705
2019	4852	9122	5997	6858	2670	4029	3524	8997	7589	5728
2020	4868	9147	6013	6877	2680	4041	3534	9033	7611	5751
2021	4883	9172	6030	6895	2689	4053	3543	9068	7631	5773
2022	4897	9194	6045	6912	2697	4064	3552	9102	7650	5794
2023	4915	9222	6062	6930	2707	4076	3563	9134	7671	5816
2024	4927	9241	6075	6946	2715	4086	3570	9167	7688	5836
2025	4936	9257	6086	6960	2721	4094	3576	9200	7702	5856
2026	4948	9276	6100	6977	2729	4105	3584	9236	7720	5878

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	12393	9066	4704	1	868	10427	3061	4570	4662	2384
2011	12534	9184	4754	1	870	10482	3067	4613	4675	2396
2012	12603	9284	4744	1	873	10964	2967	4586	4652	2407
2013	12746	9494	4780	1	873	11017	2984	4630	4725	2423
2014	12817	9543	4806	1	872	11117	3000	4639	4738	2439
2015	12877	9754	4838	1	875	11142	3010	4643	4742	2440
2016	12902	9828	4840	1	873	11214	3071	4637	4911	2439
2017	12964	9938	4854	1	872	11327	3145	4640	5114	2443
2018	13018	10017	4868	1	873	11410	3207	4650	5279	2449
2019	13067	10067	4885	1	875	11467	3257	4669	5405	2456
2020	13116	10113	4902	1	878	11521	3306	4689	5528	2464
2021	13164	10157	4919	1	880	11574	3355	4708	5653	2471
2022	13209	10202	4935	1	883	11625	3405	4726	5783	2477
2023	13257	10241	4952	1	886	11673	3453	4748	5903	2485
2024	13299	10286	4966	1	888	11725	3505	4764	6041	2491
2025	13339	10331	4979	1	889	11776	3558	4778	6184	2496
2026	13384	10381	4994	1	891	11833	3613	4794	6335	2502

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	530	491	648	692	1296	2272	344	578	396	704
2011	533	492	651	729	1307	2297	363	581	397	709
2012	533	500	654	741	1316	2315	387	590	397	709
2013	538	504	657	728	1328	2336	398	590	398	714
2014	541	506	661	788	1338	2348	411	592	398	716
2015	542	505	667	830	1345	2358	420	592	399	718
2016	542	505	667	814	1349	2365	439	592	398	717
2017	543	507	669	851	1355	2376	461	593	397	718
2018	544	508	671	878	1364	2392	482	594	398	720
2019	545	510	673	903	1376	2412	504	596	399	722
2020	547	511	675	926	1388	2432	527	598	400	724
2021	549	513	677	949	1400	2453	550	600	401	726
2022	550	514	679	971	1412	2473	575	601	402	728
2023	552	515	681	991	1425	2495	600	603	403	730
2024	553	517	683	1013	1436	2514	627	605	404	732
2025	554	518	684	1036	1447	2533	655	606	405	733
2026	556	519	686	1059	1458	2552	684	607	406	735

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	114	576	337	1175	253	3186	442	467	8357	111
2011	115	581	339	1179	257	3216	494	502	8374	112
2012	118	582	339	1185	262	3259	523	512	8384	117
2013	119	584	339	1188	267	3290	528	508	8399	117
2014	119	584	339	1190	268	3325	627	564	8408	117
2015	120	583	335	1197	271	3356	659	584	8432	119
2016	120	582	335	1195	273	3369	647	573	8411	121
2017	121	582	335	1197	276	3394	677	600	8406	124
2018	122	582	336	1199	277	3411	699	620	8419	127
2019	122	584	337	1203	279	3423	720	638	8451	130
2020	123	586	338	1206	279	3434	739	655	8484	132
2021	123	587	339	1210	280	3444	758	672	8518	135
2022	123	589	340	1213	281	3454	776	688	8548	137
2023	124	591	341	1216	282	3464	793	703	8586	140
2024	124	592	341	1219	283	3474	811	719	8612	143
2025	125	593	342	1222	284	3483	831	736	8635	146
2026	125	594	343	1224	285	3494	850	754	8662	148

Table C.1	Tariff V – Residential customers (continued)									
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	3	2	456	466	1	187	388	412		651342
2011	3	2	555	584	1	213	524	628		656627
2012	1	0	617	661	0	228	598	722		660890
2013	1	0	620	660	0	231	599	716		666753
2014	1	0	811	799	0	265	919	1059		672823
2015	1	0	865	948	0	294	1016	1165		677370
2016	1	0	771	844	0	267	913	1047		677975
2017	1	0	823	901	0	292	984	1128		681420
2018	1	0	875	958	0	317	1055	1210		684783
2019	1	0	930	1018	0	344	1131	1297		688279
2020	1	0	982	1075	0	371	1205	1381		691752
2021	1	0	1036	1133	0	399	1282	1470		695209
2022	1	0	1092	1195	0	430	1364	1563		698507
2023	1	0	1146	1253	0	461	1444	1655		702048
2024	1	0	1198	1310	0	492	1523	1745		705212
2025	1	0	1254	1370	0	526	1607	1842		708224
2026	1	0	1309	1430	0	561	1693	1940		711548

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	0.2	84.8	80.2	19.7	0.0	1.0	630.8	178.1	426.3	566.7
2011	0.2	88.6	90.3	19.8	0.0	0.9	631.6	178.2	419.4	558.2
2012	0.2	94.8	87.0	17.6	0.0	0.9	636.7	177.2	416.5	562.0
2013	0.2	97.9	112.9	23.0	0.0	0.9	644.4	179.5	414.9	562.9
2014	0.2	95.7	129.8	25.5	0.0	0.9	618.2	170.0	401.1	531.5
2015	0.2	89.2	125.8	26.0	0.0	0.8	622.6	173.1	405.6	531.3
2016	0.2	89.1	128.5	26.7	0.0	0.8	615.2	171.0	399.7	522.9
2017	0.2	89.9	132.7	27.7	0.0	0.8	613.0	170.3	397.1	518.7
2018	0.2	89.4	135.0	28.2	0.0	0.8	605.9	168.3	391.8	511.3
2019	0.2	88.2	136.2	28.6	0.0	0.8	596.9	165.8	385.7	503.2
2020	0.2	87.0	137.4	28.9	0.0	0.8	588.4	163.4	380.0	495.7
2021	0.2	85.4	138.2	29.2	0.0	0.8	578.6	160.7	373.5	487.1
2022	0.2	84.0	139.1	29.5	0.0	0.8	569.6	158.2	367.4	479.1
2023	0.2	83.1	140.7	29.9	0.0	0.7	562.5	156.2	362.7	472.9
2024	0.2	82.7	143.3	30.6	0.0	0.7	556.8	154.6	358.8	467.7
2025	0.2	82.5	146.3	31.3	0.0	0.7	551.5	153.1	355.1	462.7
2026	0.3	82.3	149.3	32.1	0.0	0.7	546.4	151.7	351.5	457.9

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	295.2	539.0	361.0	521.1	769.1	355.2	239.7	118.7	97.6	261.3
2011	290.7	530.6	354.0	508.3	753.4	347.9	243.2	119.5	97.5	255.5
2012	293.7	527.7	352.2	510.1	750.0	347.6	237.3	118.3	96.9	259.7
2013	291.3	523.8	349.8	515.2	744.7	347.2	236.9	120.7	97.4	257.8
2014	277.6	499.1	333.0	490.4	723.4	336.5	225.6	116.7	95.9	255.7
2015	284.4	494.8	338.1	491.0	721.9	336.1	223.1	112.7	96.5	258.7
2016	281.5	490.0	335.3	486.5	716.7	333.8	220.7	111.6	96.1	256.9
2017	280.8	489.2	335.2	486.0	717.3	334.2	220.0	111.4	96.5	257.4
2018	278.2	484.9	332.6	482.0	712.1	331.8	217.7	110.5	95.9	255.2
2019	275.1	479.4	328.9	476.6	704.5	328.2	214.9	109.2	94.9	251.7
2020	272.2	474.4	325.6	471.7	697.3	324.9	212.3	108.1	93.9	248.3
2021	268.7	468.4	321.4	465.7	688.6	320.9	209.2	106.7	92.7	244.3
2022	265.5	462.8	317.7	460.2	680.6	317.2	206.4	105.5	91.7	240.7
2023	263.2	458.8	315.0	456.2	674.8	314.5	204.3	104.6	90.9	237.7
2024	261.5	455.9	313.0	453.4	670.8	312.6	202.7	103.9	90.3	235.5
2025	259.9	453.2	311.3	450.8	667.2	310.9	201.1	103.3	89.9	233.6
2026	258.4	450.7	309.6	448.3	663.8	309.4	199.7	102.7	89.4	231.7

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	449.7	307.9	582.5	365.3	256.0	510.1	391.3	410.0	774.7	525.8
2011	453.6	305.8	583.8	366.3	256.3	509.8	392.0	404.1	776.0	521.6
2012	459.4	303.0	584.2	364.7	259.3	507.5	391.5	408.0	772.3	528.6
2013	460.9	308.2	591.5	360.0	259.7	507.0	404.1	403.9	772.4	525.5
2014	446.9	299.6	564.9	350.2	247.4	488.2	390.7	390.5	749.4	511.5
2015	446.8	298.2	567.4	346.7	244.0	491.8	392.7	392.5	747.0	509.2
2016	439.5	293.4	560.4	345.6	240.3	485.6	390.5	390.5	742.5	505.8
2017	435.5	290.8	558.0	347.3	238.5	483.2	391.5	391.7	743.9	506.4
2018	429.1	286.6	551.4	346.0	235.2	477.7	389.4	389.9	739.7	503.4
2019	422.2	282.0	543.2	343.3	231.5	471.5	386.2	386.7	733.4	499.0
2020	415.8	277.7	535.4	340.9	228.1	465.7	383.2	383.8	727.7	495.0
2021	408.5	272.8	526.5	337.7	224.1	458.9	379.4	380.1	720.3	489.8
2022	401.7	268.3	518.2	334.8	220.5	452.6	376.0	376.7	713.7	485.2
2023	396.4	264.8	511.7	333.0	217.6	448.0	373.8	374.6	709.4	482.2
2024	391.9	261.8	506.4	332.1	215.2	444.3	372.5	373.4	706.9	480.4
2025	387.6	259.0	501.5	331.3	213.0	440.8	371.4	372.3	704.6	478.7
2026	383.5	256.2	496.8	330.7	210.8	437.5	370.4	371.5	702.6	477.3

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	407.4	581.2	865.5	496.9	1127.0	340.9	555.7	142.6	400.6	303.9
2011	399.5	569.5	856.6	492.9	1115.8	329.7	548.2	154.5	398.3	302.7
2012	401.2	573.6	858.6	496.6	1125.6	337.5	561.5	159.1	401.7	308.4
2013	404.8	565.2	854.2	495.3	1125.5	331.9	558.5	150.0	397.2	326.7
2014	396.3	545.3	835.4	486.2	1112.5	326.2	545.9	143.7	401.8	324.9
2015	395.4	548.4	833.6	487.2	1111.0	328.6	550.2	180.0	405.3	322.9
2016	393.3	543.6	827.0	483.6	1107.4	326.7	546.3	183.4	402.8	315.1
2017	394.4	543.0	827.2	484.2	1113.7	327.8	547.4	187.6	403.9	309.9
2018	392.5	538.8	820.6	480.5	1108.6	325.5	542.8	189.8	400.8	302.9
2019	389.2	533.7	811.1	475.1	1097.3	321.4	535.3	192.0	395.2	295.8
2020	386.3	529.0	802.2	469.9	1086.5	317.5	528.0	193.9	389.9	289.0
2021	382.5	523.1	791.5	463.7	1073.2	312.9	519.6	194.9	383.7	281.8
2022	379.1	517.8	781.7	458.1	1061.3	308.6	511.9	195.5	378.0	274.9
2023	376.9	514.3	774.4	453.8	1052.1	305.2	505.6	197.4	373.3	269.2
2024	375.7	511.9	769.2	450.8	1046.5	302.9	501.0	199.7	370.0	264.1
2025	374.7	509.7	764.4	448.1	1041.7	300.7	496.8	202.4	366.9	259.2
2026	373.7	507.6	759.9	445.6	1037.3	298.7	492.8	204.9	364.0	254.4

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	465.7	220.5	297.8	524.1	587.5	332.1	219.5	873.6	1529.4	264.6
2011	452.6	221.0	295.3	519.8	600.6	331.9	215.5	855.2	1490.0	254.5
2012	454.1	222.0	295.9	549.6	604.9	332.3	197.5	870.8	1510.7	257.0
2013	454.7	223.0	297.7	565.0	611.9	336.4	183.9	864.3	1494.3	255.1
2014	442.4	218.0	284.4	547.9	587.0	329.2	179.7	835.0	1457.3	250.7
2015	439.1	214.3	291.9	560.1	590.8	328.8	182.2	843.6	1456.1	248.9
2016	429.3	209.2	286.0	555.2	580.9	326.3	180.9	837.4	1443.0	247.0
2017	423.0	205.7	282.4	555.0	575.6	326.6	181.1	838.1	1441.2	247.0
2018	414.3	201.2	277.1	550.1	566.7	323.9	179.8	832.3	1429.5	245.3
2019	405.1	196.5	271.4	542.9	556.8	319.9	178.0	823.9	1414.4	243.1
2020	396.5	192.1	266.0	536.1	547.5	316.0	176.4	816.3	1400.6	241.1
2021	387.1	187.4	260.1	528.2	537.1	311.5	174.3	806.7	1383.6	238.5
2022	378.3	182.9	254.5	520.8	527.3	307.4	172.5	798.1	1368.1	236.2
2023	371.0	179.2	250.0	515.1	519.6	304.1	171.2	792.1	1357.4	234.7
2024	364.6	175.9	246.0	510.8	513.0	301.8	170.3	788.0	1349.6	233.7
2025	358.3	172.7	242.1	506.9	506.7	299.7	169.5	784.3	1342.5	232.8
2026	352.3	169.6	238.4	503.2	500.6	297.7	168.8	780.9	1335.9	232.0

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	839.4	515.1	115.6	559.0	927.6	191.4	60.8	248.3	419.9	459.8
2011	824.1	499.1	113.5	553.4	898.8	186.9	60.0	245.5	406.2	448.8
2012	826.0	502.3	118.3	560.2	913.1	185.4	59.5	241.1	412.9	455.0
2013	825.6	501.2	112.1	557.8	907.5	180.7	59.0	233.5	408.0	447.6
2014	802.6	488.6	111.2	543.6	884.5	179.9	57.9	230.0	392.9	431.9
2015	810.4	477.3	109.9	538.3	889.9	177.8	57.3	227.4	397.4	440.0
2016	805.4	473.8	108.4	534.1	880.3	175.2	56.6	224.3	392.2	434.3
2017	807.8	474.4	107.9	534.6	877.9	174.0	56.4	222.9	390.1	432.1
2018	801.7	470.7	106.6	529.9	868.6	171.8	55.8	220.0	385.4	426.9
2019	790.9	464.8	105.1	522.8	856.6	169.2	55.0	216.8	379.7	420.6
2020	780.6	459.3	103.7	515.9	845.3	166.9	54.3	213.8	374.5	414.8
2021	768.6	452.7	102.1	507.9	832.2	164.2	53.5	210.3	368.4	408.1
2022	757.6	446.7	100.6	500.6	820.1	161.7	52.7	207.1	362.8	401.9
2023	748.6	442.0	99.4	494.7	810.7	159.7	52.1	204.7	358.4	397.1
2024	742.2	438.6	98.5	490.4	803.4	158.2	51.6	202.6	354.9	393.2
2025	736.4	435.5	97.6	486.5	796.6	156.6	51.2	200.7	351.6	389.5
2026	731.0	432.7	96.8	482.7	790.1	155.2	50.8	198.9	348.4	386.0

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	576.2	600.9	488.2	236.4	383.4	371.1	473.8	326.6	443.4	379.7
2011	568.3	598.7	483.9	233.7	366.3	361.2	463.5	330.5	430.7	376.7
2012	575.8	658.0	491.6	226.4	382.4	365.4	472.3	335.4	437.6	391.0
2013	579.1	634.5	484.5	221.8	388.7	368.6	476.5	337.7	438.6	408.8
2014	570.7	612.6	472.3	215.6	399.9	359.2	466.8	331.0	428.4	410.8
2015	570.4	616.0	478.9	216.7	372.7	363.8	466.7	329.9	427.3	435.4
2016	564.1	612.8	474.9	214.8	371.7	360.2	465.0	325.0	420.7	433.6
2017	562.5	615.2	474.6	214.6	373.9	359.6	467.2	322.7	417.5	435.9
2018	556.5	611.0	470.9	212.7	372.6	356.1	465.2	318.1	411.5	433.1
2019	548.7	603.2	466.0	210.2	369.4	351.2	461.1	312.5	404.7	427.4
2020	541.3	595.7	461.5	207.8	366.4	346.6	457.2	307.2	398.3	421.9
2021	532.7	586.8	456.0	205.0	362.5	341.2	452.3	301.2	391.1	415.4
2022	524.8	578.8	450.9	202.5	359.1	336.2	447.9	295.7	384.4	409.5
2023	518.6	572.2	447.5	200.5	356.7	332.4	444.8	291.2	379.0	404.6
2024	513.7	567.6	445.0	199.1	355.4	329.4	443.0	287.5	374.6	401.2
2025	509.2	563.6	442.7	197.9	354.3	326.7	441.5	283.9	370.3	398.2
2026	504.9	559.7	440.6	196.6	353.3	324.0	440.2	280.5	366.2	395.3

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	668.7	968.6	208.0	826.2	146.7	175.4	310.9	297.1	328.4	239.2
2011	654.9	966.9	205.1	795.1	144.6	170.8	311.6	296.9	324.6	236.8
2012	678.0	984.7	209.3	808.1	146.2	177.4	318.2	304.8	325.6	243.2
2013	669.1	1062.4	213.9	800.9	145.6	179.6	328.3	313.2	325.2	240.7
2014	651.5	970.1	207.5	769.4	143.5	175.6	314.6	309.2	317.1	237.0
2015	653.2	970.5	205.1	780.1	142.3	176.0	308.0	307.0	312.6	239.9
2016	644.2	959.3	202.9	770.9	140.4	174.9	301.2	300.7	306.7	234.7
2017	640.6	956.3	202.4	768.0	139.7	175.3	296.9	296.8	303.3	231.4
2018	631.9	945.0	200.4	759.4	138.0	173.9	290.8	291.2	298.0	226.8
2019	621.1	929.6	197.9	748.8	136.1	171.6	284.5	285.2	292.3	222.0
2020	610.8	915.1	195.5	738.9	134.3	169.3	278.5	279.5	286.9	217.5
2021	599.3	898.5	192.7	727.4	132.2	166.7	271.9	273.3	280.9	212.5
2022	588.6	883.2	190.1	716.7	130.2	164.3	265.8	267.5	275.3	207.9
2023	579.8	870.6	188.2	708.5	128.7	162.4	260.7	262.8	270.8	204.1
2024	572.7	860.7	186.7	702.0	127.6	161.0	256.3	258.6	266.9	200.7
2025	565.9	851.4	185.4	695.9	126.4	159.7	251.9	254.6	263.1	197.5
2026	559.4	842.5	184.1	690.1	125.3	158.5	247.8	250.7	259.5	194.3

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	264.3	673.9	421.4	406.6	177.1	207.2	232.2	448.5	502.6	280.6
2011	262.8	659.1	417.5	399.8	178.1	202.3	225.3	437.0	485.6	269.4
2012	264.0	663.0	421.7	407.4	168.7	207.4	225.7	444.0	490.0	275.5
2013	261.7	661.5	419.4	405.8	158.1	207.0	223.9	439.4	479.7	275.4
2014	252.2	643.3	403.7	395.6	154.9	201.9	219.4	431.1	470.2	272.2
2015	259.6	642.1	410.6	397.0	156.8	206.4	227.2	434.5	475.7	274.8
2016	255.6	633.1	405.2	392.6	155.1	204.0	224.1	431.6	469.8	272.6
2017	253.6	629.2	403.0	391.5	154.6	203.3	222.7	432.4	467.9	272.7
2018	250.1	620.9	398.0	387.0	152.9	200.9	219.8	429.0	462.2	270.4
2019	246.2	611.3	391.8	381.1	150.8	197.9	216.4	423.2	455.1	266.8
2020	242.5	602.3	386.1	375.5	148.8	195.1	213.3	417.8	448.4	263.3
2021	238.3	592.1	379.5	369.0	146.4	191.8	209.6	411.3	440.8	259.3
2022	234.4	582.5	373.4	363.1	144.3	188.8	206.2	405.5	433.7	255.6
2023	231.4	575.1	368.6	358.3	142.6	186.4	203.6	400.7	428.0	252.7
2024	228.9	568.9	364.7	354.6	141.3	184.5	201.4	397.3	423.5	250.6
2025	226.4	563.1	361.0	351.0	140.0	182.8	199.4	394.2	419.2	248.6
2026	224.1	557.5	357.4	347.7	138.9	181.1	197.4	391.2	415.2	246.7

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	726.7	431.2	253.4	0.0	61.0	612.2	158.7	223.9	203.0	182.8
2011	708.8	414.1	240.6	0.0	58.9	606.4	140.5	223.4	197.4	185.8
2012	712.4	428.3	245.9	0.0	59.6	628.5	154.7	228.4	208.7	185.0
2013	721.3	429.2	243.3	0.0	58.1	636.1	154.3	231.7	212.1	180.6
2014	711.2	421.3	235.7	0.0	56.1	615.4	159.1	221.3	213.1	177.2
2015	713.4	425.4	238.1	0.0	59.3	624.2	160.6	221.7	205.9	177.4
2016	706.5	423.7	235.5	0.0	58.4	620.8	160.8	217.4	209.4	175.3
2017	705.7	425.9	234.8	0.0	58.0	623.0	162.7	214.8	215.2	174.6
2018	698.8	423.4	232.2	0.0	57.3	618.7	162.5	210.9	217.7	172.6
2019	689.3	418.1	229.0	0.0	56.4	610.7	161.0	206.7	217.5	170.1
2020	680.3	412.9	225.9	0.0	55.6	603.1	159.6	202.7	217.2	167.8
2021	669.8	406.9	222.4	0.0	54.8	594.1	157.8	198.3	216.4	165.1
2022	660.1	401.4	219.1	0.0	53.9	585.9	156.3	194.2	216.0	162.6
2023	652.4	396.8	216.6	0.0	53.3	579.2	155.0	190.8	215.7	160.6
2024	646.7	393.8	214.6	0.0	52.8	574.6	154.4	187.9	216.6	159.1
2025	641.3	391.1	212.7	0.0	52.3	570.4	153.9	185.0	217.7	157.6
2026	636.2	388.5	210.9	0.0	51.8	566.5	153.5	182.3	219.0	156.2

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	51.7	53.8	53.6	35.3	92.0	191.9	27.4	59.9	49.6	78.9
2011	52.5	53.8	53.1	36.9	95.0	194.3	28.2	60.3	48.7	81.5
2012	51.1	53.9	49.3	38.1	95.0	192.0	31.6	60.9	47.9	79.8
2013	48.8	53.0	51.9	37.7	93.2	188.4	33.9	60.0	46.3	79.1
2014	46.7	52.8	50.0	33.1	91.5	186.5	34.7	59.4	44.7	76.0
2015	46.3	52.6	44.7	43.4	90.9	187.5	33.5	58.5	45.0	74.8
2016	45.7	52.0	44.2	44.9	89.8	185.1	34.5	57.8	44.4	73.9
2017	45.5	51.8	44.1	46.7	89.3	184.2	35.8	57.6	44.1	73.6
2018	45.0	51.2	43.6	47.7	88.2	182.2	36.8	56.9	43.5	72.7
2019	44.3	50.5	43.0	48.2	87.0	179.8	37.6	56.1	42.9	71.6
2020	43.7	49.8	42.4	48.7	85.9	177.6	38.5	55.3	42.3	70.6
2021	43.0	49.0	41.7	48.9	84.7	175.1	39.3	54.5	41.6	69.5
2022	42.4	48.3	41.1	49.1	83.5	172.7	40.1	53.6	41.0	68.4
2023	41.9	47.7	40.6	49.4	82.6	170.9	41.1	53.0	40.5	67.6
2024	41.5	47.2	40.2	50.1	81.9	169.5	42.2	52.5	40.1	67.0
2025	41.1	46.8	39.8	50.8	81.2	168.2	43.4	52.0	39.7	66.4
2026	40.7	46.4	39.5	51.5	80.6	167.0	44.6	51.5	39.3	65.8

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	12.6	52.4	27.8	96.3	38.9	242.6	29.1	19.5	591.0	11.8
2011	12.8	52.5	28.3	98.7	34.1	245.3	32.7	21.8	571.9	11.4
2012	12.7	51.6	27.4	96.8	31.1	244.4	34.7	23.0	580.1	12.2
2013	12.6	50.4	27.6	95.5	25.5	242.4	35.7	22.7	575.4	12.1
2014	12.4	48.5	26.4	93.7	22.2	236.9	32.4	19.8	558.6	12.2
2015	12.0	47.2	26.1	91.3	19.3	234.4	40.7	25.0	559.3	12.5
2016	11.9	46.5	25.8	90.1	19.2	232.7	42.1	25.9	548.6	12.5
2017	11.9	46.3	25.7	89.7	19.3	233.0	43.9	27.0	542.3	12.7
2018	11.8	45.7	25.4	88.6	19.2	230.9	44.8	27.6	532.8	12.7
2019	11.7	45.0	25.0	87.3	18.9	227.7	45.4	27.9	522.8	12.7
2020	11.5	44.4	24.7	86.1	18.7	224.6	45.9	28.2	513.4	12.6
2021	11.3	43.7	24.3	84.7	18.4	221.0	46.1	28.4	503.0	12.6
2022	11.1	43.0	23.9	83.4	18.1	217.8	46.3	28.5	493.2	12.5
2023	11.0	42.5	23.6	82.5	17.9	215.1	46.7	28.8	485.3	12.5
2024	10.9	42.1	23.4	81.7	17.7	213.1	47.4	29.1	478.5	12.6
2025	10.8	41.7	23.2	80.9	17.6	211.3	48.1	29.6	471.9	12.6
2026	10.7	41.3	23.0	80.2	17.4	209.6	48.8	30.1	465.6	12.6

Table C.2	Tariff V – Residential volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	0.3	0.0	14.6	11.5	0.1	5.3	13.5	6.9		41777
2011	0.3	0.0	20.0	17.7	0.1	6.4	17.4	14.3		41222
2012	0.2	0.0	24.4	22.7	0.0	7.7	21.4	18.2		41716
2013	0.2	0.0	25.5	23.4	0.0	7.3	22.8	18.7		41750
2014	0.2	0.0	25.8	22.2	0.0	7.4	25.5	23.1		40599
2015	0.2	0.0	32.6	31.3	0.0	9.4	32.0	33.2		40779
2016	0.2	0.0	34.3	33.0	0.0	10.1	34.1	35.3		40391
2017	0.2	0.0	36.2	34.7	0.0	10.9	36.3	37.7		40338
2018	0.2	0.0	37.8	36.2	0.0	11.6	38.4	39.8		39960
2019	0.2	0.0	39.2	37.7	0.0	12.3	40.4	41.9		39448
2020	0.2	0.0	40.6	38.9	0.0	13.0	42.3	43.8		38966
2021	0.2	0.0	41.9	40.2	0.0	13.8	44.2	45.8		38399
2022	0.2	0.0	43.4	41.6	0.0	14.6	46.3	48.0		37877
2023	0.2	0.0	44.8	42.9	0.0	15.4	48.3	50.1		37479
2024	0.2	0.0	46.2	44.3	0.0	16.2	50.5	52.3		37183
2025	0.2	0.0	47.7	45.7	0.0	17.2	52.8	54.8		36910
2026	0.2	0.0	49.3	47.2	0.0	18.1	55.2	57.2		36653

Table C.3	Tariff V – Business customers									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	3	216	148	4	0	0	221	54	106	122
2011	3	213	143	4	0	0	219	52	108	121
2012	3	215	141	4	0	0	213	52	108	121
2013	4	221	142	4	0	0	212	51	107	120
2014	7	211	156	4	0	0	217	50	110	119
2015	7	211	155	6	0	0	219	49	112	116
2016	10	191	157	4	0	0	205	50	113	112
2017	10	189	157	4	0	0	203	49	112	110
2018	9	191	156	5	0	0	202	49	112	107
2019	10	189	156	4	0	0	200	49	111	107
2020	9	188	156	4	0	0	199	49	110	106
2021	9	185	153	4	0	0	194	48	108	103
2022	9	185	153	4	0	0	193	48	107	103
2023	9	185	153	4	0	0	193	47	107	102
2024	9	185	154	4	0	0	192	47	106	101
2025	10	185	154	5	0	0	192	47	106	101
2026	10	185	155	5	0	0	191	47	106	100

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	63	65	54	115	156	33	47	14	19	46
2011	63	68	54	115	156	34	47	14	19	47
2012	62	68	53	115	156	34	47	14	19	46
2013	62	67	54	115	157	35	47	13	19	44
2014	63	68	55	114	159	35	47	13	19	45
2015	64	68	55	114	168	36	47	14	18	44
2016	54	65	58	121	171	34	42	15	13	44
2017	54	64	58	119	172	33	44	16	14	43
2018	55	64	57	117	172	34	44	16	14	43
2019	54	63	57	118	171	33	43	16	13	42
2020	54	63	57	117	171	33	43	16	13	42
2021	53	62	55	114	169	33	42	15	13	40
2022	53	61	55	114	168	33	42	15	13	40
2023	53	61	55	113	169	33	42	15	13	40
2024	53	61	55	113	169	33	43	15	13	39
2025	53	61	55	113	170	33	43	15	12	39
2026	53	61	55	113	170	33	43	15	12	39

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	349	116	249	165	89	133	264	78	229	181
2011	342	117	248	159	88	133	264	77	229	183
2012	337	114	245	156	87	133	265	75	225	185
2013	337	115	248	162	89	134	267	78	228	184
2014	333	118	247	161	91	135	272	78	230	186
2015	331	125	251	156	87	131	273	79	226	186
2016	311	117	231	149	81	137	228	69	229	208
2017	306	118	230	147	79	136	221	69	225	209
2018	300	118	230	147	80	136	209	69	220	207
2019	300	116	227	145	79	135	215	68	221	206
2020	296	116	225	144	79	135	210	68	219	205
2021	289	113	221	141	77	132	204	67	214	201
2022	288	113	219	140	77	132	204	67	213	201
2023	286	112	219	140	77	132	202	67	212	201
2024	285	112	218	140	77	132	201	67	212	201
2025	284	112	217	139	77	133	200	67	211	201
2026	283	111	217	139	77	133	199	67	210	201

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	126	91	271	126	279	91	100	21	151	404
2011	127	91	270	129	281	92	100	21	152	401
2012	129	90	267	128	284	93	98	19	150	401
2013	127	94	268	129	283	90	98	19	149	404
2014	126	95	258	125	286	92	99	28	151	408
2015	128	96	260	126	284	93	97	28	154	419
2016	119	100	248	103	250	92	90	22	151	391
2017	118	102	248	103	245	92	91	24	154	388
2018	120	101	250	103	244	94	90	24	151	389
2019	118	101	246	101	243	92	89	24	150	387
2020	118	101	245	101	240	92	88	24	149	385
2021	116	99	241	99	236	90	86	24	146	379
2022	115	100	240	98	235	90	85	24	145	379
2023	115	100	240	98	234	90	85	24	145	379
2024	115	100	240	98	233	90	85	24	144	380
2025	115	101	239	97	233	90	84	24	144	380
2026	115	101	239	97	232	90	84	24	144	381

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	118	140	215	168	115	106	66	249	324	66
2011	115	140	215	166	112	106	68	251	324	67
2012	111	140	214	174	112	107	61	251	324	59
2013	111	140	214	173	110	108	61	249	324	62
2014	111	138	215	176	114	106	59	244	324	62
2015	118	131	212	173	116	104	59	243	322	61
2016	92	110	184	178	109	100	47	240	285	57
2017	91	109	183	185	109	100	49	232	284	56
2018	91	108	184	181	108	99	49	233	282	56
2019	89	107	181	179	107	98	48	230	281	56
2020	88	106	180	179	106	98	48	227	280	55
2021	86	104	176	174	104	96	47	222	274	54
2022	85	104	175	173	103	95	47	220	274	53
2023	84	103	174	173	103	95	47	219	273	53
2024	84	103	174	172	103	95	48	218	273	53
2025	83	103	173	172	102	95	48	216	273	52
2026	83	103	173	172	102	95	48	215	273	52

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	216	341	31	173	269	53	11	127	137	143
2011	218	345	31	175	270	54	11	128	138	141
2012	217	345	31	172	268	51	11	128	137	142
2013	223	347	31	173	268	51	11	127	137	142
2014	226	348	31	173	273	51	11	127	137	143
2015	221	348	31	171	274	51	11	126	134	145
2016	191	333	28	137	259	44	12	119	137	136
2017	190	344	27	135	259	44	12	119	135	135
2018	189	342	27	133	259	44	12	118	130	132
2019	187	338	27	132	254	43	12	117	132	133
2020	186	339	26	130	252	43	12	116	130	132
2021	182	333	26	127	247	42	11	113	127	129
2022	181	332	26	126	244	41	11	113	126	129
2023	180	333	25	124	243	41	11	112	126	128
2024	179	333	25	124	242	41	11	112	125	128
2025	179	334	25	123	241	41	11	112	125	128
2026	178	335	25	122	240	40	11	112	124	128

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	236	148	328	100	315	113	153	298	107	135
2011	236	149	327	100	314	112	151	298	107	137
2012	234	150	317	98	315	114	144	301	108	136
2013	232	153	313	98	317	114	148	298	107	136
2014	225	152	310	99	315	115	147	298	105	136
2015	230	151	312	98	311	117	151	299	106	139
2016	189	143	310	90	286	112	144	274	91	128
2017	187	141	306	91	288	110	148	271	91	126
2018	189	141	303	91	284	109	151	273	92	124
2019	186	140	303	90	282	109	147	270	90	124
2020	185	140	300	90	281	107	148	269	90	122
2021	182	137	294	88	275	105	147	264	89	119
2022	181	137	293	88	274	104	146	263	88	119
2023	181	137	292	88	273	104	147	263	88	118
2024	181	137	292	88	272	103	147	263	89	118
2025	180	137	291	88	272	103	148	263	89	117
2026	180	137	291	88	271	102	148	263	89	117

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	211	759	81	128	78	72	400	464	180	97
2011	211	765	81	129	80	73	392	455	179	97
2012	209	764	83	131	77	74	391	445	180	93
2013	211	759	81	133	80	75	396	452	178	92
2014	213	757	83	132	80	75	399	450	179	92
2015	212	770	81	136	81	74	411	459	180	93
2016	190	776	73	128	75	74	372	407	167	83
2017	189	795	71	125	73	75	374	409	164	83
2018	187	789	70	124	74	76	378	412	163	83
2019	187	781	71	123	73	73	370	402	161	81
2020	186	782	70	121	72	73	369	400	159	81
2021	183	767	68	118	71	72	362	392	155	79
2022	183	765	68	118	70	71	359	388	154	78
2023	183	766	68	117	70	70	358	387	153	78
2024	183	766	68	116	70	70	358	385	152	78
2025	184	767	68	116	69	70	357	383	151	77
2026	184	768	68	115	69	70	356	382	150	77

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	180	282	73	168	357	88	110	253	152	163
2011	177	281	72	164	359	84	106	251	152	163
2012	175	277	71	162	347	83	104	250	153	161
2013	170	273	73	162	350	83	102	251	153	160
2014	167	271	73	162	350	81	103	249	151	158
2015	164	270	70	161	351	78	105	252	149	152
2016	154	263	94	145	319	75	111	240	133	132
2017	154	261	91	144	318	74	110	244	133	134
2018	152	256	87	143	317	72	109	250	132	130
2019	150	254	90	141	311	72	108	241	130	128
2020	149	251	89	140	308	71	107	241	129	127
2021	145	244	87	136	301	69	105	237	126	123
2022	144	242	87	135	298	69	104	235	125	121
2023	143	240	87	135	296	68	103	235	124	120
2024	142	239	87	134	295	68	103	234	124	119
2025	141	237	88	133	293	67	102	234	123	118
2026	140	236	88	133	291	67	102	233	123	117

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	373	161	78	0	22	250	395	141	238	34
2011	375	159	80	0	22	248	396	141	238	34
2012	379	158	80	0	21	253	390	141	235	34
2013	379	155	82	0	23	251	391	140	238	33
2014	382	156	80	0	23	256	393	136	240	33
2015	386	154	81	0	23	262	390	135	242	33
2016	378	126	82	0	23	275	382	122	264	31
2017	365	122	80	0	23	275	371	120	261	31
2018	358	120	79	0	22	274	364	119	256	31
2019	357	120	78	0	22	272	364	117	255	31
2020	357	118	77	0	22	271	357	116	252	30
2021	346	115	74	0	21	266	348	113	246	30
2022	342	114	74	0	21	265	345	112	244	29
2023	337	113	73	0	20	265	342	111	242	29
2024	333	112	72	0	20	265	339	110	241	29
2025	329	111	71	0	20	265	337	109	239	29
2026	325	110	71	0	20	265	334	108	237	29

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	5	14	12	7	24	59	19	3	22	49
2011	5	14	12	7	23	58	20	3	22	49
2012	5	14	13	7	23	58	21	3	22	48
2013	5	14	13	7	23	60	21	3	22	48
2014	5	14	13	10	23	61	22	3	22	48
2015	5	14	13	12	23	61	22	3	21	48
2016	6	11	12	12	16	62	48	3	24	43
2017	6	12	13	12	16	62	44	3	24	43
2018	5	11	13	13	16	63	42	3	23	43
2019	5	11	13	14	16	62	44	3	23	42
2020	5	11	13	14	16	62	43	3	23	42
2021	5	11	13	15	15	61	41	3	22	41
2022	5	11	13	16	15	61	42	3	22	41
2023	5	10	13	16	15	61	41	3	22	41
2024	5	10	13	17	15	62	41	3	22	41
2025	5	10	13	18	15	62	41	3	21	41
2026	5	10	13	18	15	62	41	3	21	40

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	6	22	8	85	20	73	4	4	73	1
2011	6	22	8	85	20	73	5	5	74	1
2012	6	22	8	85	20	73	5	6	74	1
2013	6	22	8	86	20	74	5	6	79	1
2014	6	22	8	86	23	76	6	7	79	1
2015	6	22	8	82	23	76	6	7	78	1
2016	9	22	8	83	19	68	5	10	82	1
2017	8	22	8	80	20	68	5	9	82	1
2018	8	22	8	77	19	68	5	9	81	1
2019	8	22	8	78	19	67	5	9	82	1
2020	8	22	8	77	19	66	5	9	82	1
2021	8	21	8	75	18	65	4	9	82	1
2022	8	21	8	75	18	64	4	9	82	1
2023	7	21	8	74	18	64	4	8	83	1
2024	7	21	8	74	18	64	4	8	84	1
2025	7	21	8	73	18	63	4	8	85	1
2026	7	21	8	73	17	63	4	8	85	1

Table C.3	Tariff V – Business customers (continued)									
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	0	0	13	17	1	4	17	10		16560
2011	0	0	14	21	2	6	23	14		16546
2012	0	0	15	23	2	5	25	14		16443
2013	0	0	15	23	2	6	25	13		16488
2014	0	0	18	26	2	6	28	16		16537
2015	0	0	18	29	0	6	29	16		16582
2016	0	0	16	22	0	6	28	22		15680
2017	0	0	16	25	0	7	30	23		15618
2018	0	0	17	26	0	7	31	22		15524
2019	0	0	17	25	0	7	32	24		15388
2020	0	0	17	25	0	7	32	24		15290
2021	0	0	17	25	0	7	33	24		14974
2022	0	0	16	25	0	7	33	25		14898
2023	0	0	16	25	0	7	33	25		14845
2024	0	0	16	24	0	7	34	25		14816
2025	0	0	16	24	0	7	34	26		14783
2026	0	0	16	24	0	7	34	26		14737

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	2.0	256.9	172.2	9.2	0.0	0.0	102.5	9.9	21.5	15.4
2011	2.1	250.3	169.9	8.5	0.0	0.0	103.8	9.2	22.3	15.7
2012	1.8	241.6	155.5	8.8	0.0	0.0	92.8	8.5	21.6	15.2
2013	2.5	262.9	170.1	10.4	0.0	0.0	97.5	8.6	24.0	15.9
2014	3.7	241.0	176.9	9.8	0.0	0.0	100.0	8.5	23.7	16.8
2015	4.1	217.4	160.0	8.5	0.0	0.0	90.2	8.3	23.4	14.9
2016	4.1	214.8	158.6	8.4	0.0	0.0	88.9	8.2	23.0	14.7
2017	4.1	214.6	159.0	8.4	0.0	0.0	88.6	8.2	23.0	14.7
2018	4.1	211.2	157.0	8.3	0.0	0.0	87.0	8.0	22.6	14.4
2019	4.0	206.1	153.6	8.1	0.0	0.0	84.6	7.8	21.9	14.0
2020	3.9	200.8	150.1	7.9	0.0	0.0	82.2	7.6	21.3	13.6
2021	3.8	194.8	146.1	7.7	0.0	0.0	79.6	7.3	20.6	13.2
2022	3.7	189.9	142.9	7.6	0.0	0.0	77.4	7.1	20.1	12.8
2023	3.6	186.2	140.5	7.4	0.0	0.0	75.7	7.0	19.6	12.5
2024	3.6	183.6	139.0	7.4	0.0	0.0	74.5	6.9	19.3	12.3
2025	3.6	181.6	137.9	7.3	0.0	0.0	73.4	6.8	19.0	12.2
2026	3.5	179.6	136.8	7.2	0.0	0.0	72.5	6.7	18.8	12.0

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	30.5	22.3	22.3	67.3	53.3	14.6	9.9	1.1	2.5	21.0
2011	30.2	24.2	23.0	61.1	53.8	14.2	10.2	1.3	3.4	22.7
2012	29.1	24.2	22.1	66.2	45.9	14.3	9.9	1.2	3.1	21.8
2013	31.4	25.9	22.9	67.5	47.6	17.2	9.2	1.2	2.8	23.0
2014	29.9	25.9	24.3	75.3	49.1	16.2	8.8	1.1	2.2	23.3
2015	25.4	23.9	22.1	72.8	49.3	15.0	8.2	1.3	1.9	22.4
2016	25.1	23.7	21.9	72.0	48.7	14.8	8.1	1.3	1.9	22.0
2017	25.1	23.7	21.9	72.1	48.8	14.8	8.1	1.3	1.9	21.9
2018	24.8	23.4	21.6	71.1	48.1	14.6	8.0	1.3	1.8	21.5
2019	24.2	22.8	21.1	69.4	47.0	14.3	7.8	1.3	1.8	20.9
2020	23.6	22.3	20.6	67.7	45.8	13.9	7.6	1.2	1.7	20.3
2021	23.0	21.6	20.0	65.8	44.5	13.5	7.4	1.2	1.7	19.6
2022	22.4	21.1	19.5	64.3	43.5	13.2	7.2	1.2	1.7	19.1
2023	22.0	20.7	19.2	63.1	42.7	13.0	7.1	1.1	1.6	18.7
2024	21.7	20.5	19.0	62.3	42.2	12.8	7.0	1.1	1.6	18.3
2025	21.5	20.3	18.8	61.7	41.8	12.7	6.9	1.1	1.6	18.1
2026	21.3	20.1	18.6	61.1	41.4	12.6	6.8	1.1	1.6	17.8

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	112.5	46.4	74.9	52.0	24.9	16.0	136.5	17.4	44.7	51.2
2011	115.9	47.7	71.2	74.9	24.2	14.7	137.7	17.1	45.6	51.7
2012	102.6	46.4	70.1	46.1	24.4	14.2	129.5	16.0	45.3	48.6
2013	105.8	47.1	72.4	49.5	28.3	15.5	132.9	16.5	48.4	49.2
2014	114.6	48.5	71.7	47.4	25.1	14.7	180.1	16.2	52.6	50.8
2015	99.0	45.9	65.4	43.9	23.0	14.9	123.0	13.9	48.3	54.6
2016	97.6	45.2	64.4	43.3	22.7	14.7	121.6	13.8	47.8	54.0
2017	97.2	45.1	64.2	43.3	22.6	14.7	121.6	13.8	47.8	54.0
2018	95.5	44.3	63.0	42.7	22.2	14.4	119.8	13.6	47.1	53.2
2019	92.9	43.1	61.3	41.7	21.6	14.1	116.9	13.3	45.9	51.9
2020	90.3	41.9	59.6	40.6	21.0	13.7	114.0	12.9	44.8	50.6
2021	87.4	40.5	57.7	39.4	20.3	13.3	110.7	12.6	43.5	49.1
2022	85.0	39.4	56.1	38.5	19.7	12.9	108.0	12.3	42.4	48.0
2023	83.1	38.5	54.9	37.7	19.3	12.7	106.0	12.0	41.7	47.1
2024	81.7	37.9	54.0	37.2	19.0	12.5	104.6	11.9	41.1	46.4
2025	80.6	37.4	53.2	36.8	18.7	12.3	103.5	11.7	40.7	46.0
2026	79.5	36.9	52.5	36.4	18.5	12.2	102.5	11.6	40.3	45.5

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	27.2	34.8	78.5	44.3	103.8	55.7	35.9	5.2	59.2	152.1
2011	28.5	33.5	77.8	44.6	106.9	56.3	37.6	6.1	72.0	159.9
2012	28.8	32.8	74.4	46.2	95.0	48.8	37.8	5.3	58.9	141.5
2013	31.1	30.6	75.2	46.0	106.6	53.3	37.2	6.4	53.3	153.2
2014	28.1	33.0	71.3	45.0	106.6	48.5	35.6	6.1	58.4	156.3
2015	27.0	33.1	68.5	36.6	88.9	49.6	33.6	4.9	55.8	140.4
2016	26.7	32.8	67.6	36.1	87.6	48.9	33.1	5.2	55.0	138.9
2017	26.7	32.8	67.4	36.0	87.4	48.7	32.9	5.4	54.8	139.1
2018	26.3	32.3	66.2	35.4	85.8	47.8	32.3	5.6	53.7	137.1
2019	25.6	31.5	64.4	34.4	83.6	46.5	31.4	5.7	52.2	134.0
2020	25.0	30.7	62.7	33.5	81.3	45.2	30.5	5.8	50.7	130.8
2021	24.3	29.8	60.7	32.4	78.7	43.7	29.5	5.8	49.1	127.1
2022	23.7	29.1	59.1	31.5	76.6	42.5	28.7	5.9	47.7	124.1
2023	23.3	28.6	57.8	30.9	74.9	41.6	28.0	6.1	46.6	121.9
2024	22.9	28.2	56.9	30.4	73.7	40.9	27.6	6.3	45.8	120.4
2025	22.7	27.9	56.1	30.0	72.8	40.3	27.2	6.5	45.2	119.3
2026	22.5	27.6	55.4	29.6	71.8	39.8	26.8	6.7	44.5	118.2

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	44.5	32.8	49.8	31.6	17.1	17.3	20.2	65.1	176.0	51.1
2011	49.5	31.1	52.4	33.3	16.4	19.3	21.5	67.6	176.8	54.3
2012	49.1	28.7	46.9	49.0	15.7	18.4	18.2	63.1	166.8	51.9
2013	53.3	30.0	50.9	42.9	16.5	18.3	14.9	72.9	170.3	56.6
2014	54.4	28.5	45.8	43.8	16.6	18.5	14.8	69.9	173.8	56.7
2015	42.2	23.0	40.5	45.8	15.4	17.1	12.3	66.4	147.4	50.8
2016	41.6	22.7	39.9	45.1	15.2	16.9	12.2	65.6	145.6	50.3
2017	41.4	22.6	39.7	44.9	15.1	16.9	12.2	65.5	145.4	50.3
2018	40.7	22.2	39.0	44.0	14.8	16.6	12.0	64.5	143.1	49.5
2019	39.5	21.5	37.9	42.8	14.4	16.1	11.7	62.9	139.5	48.3
2020	38.4	20.9	36.8	41.6	14.0	15.7	11.4	61.2	135.9	47.1
2021	37.1	20.2	35.6	40.2	13.5	15.2	11.0	59.4	131.8	45.8
2022	36.1	19.7	34.6	39.1	13.2	14.8	10.7	57.9	128.5	44.7
2023	35.3	19.2	33.8	38.2	12.9	14.5	10.5	56.7	125.9	43.8
2024	34.7	18.9	33.3	37.6	12.7	14.3	10.4	55.9	124.1	43.2
2025	34.2	18.6	32.8	37.0	12.5	14.1	10.3	55.3	122.7	42.8
2026	33.7	18.4	32.3	36.5	12.3	13.9	10.1	54.7	121.3	42.4

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	105.9	149.2	9.2	52.9	50.6	5.6	0.7	15.6	36.8	18.2
2011	112.8	147.6	9.5	58.2	51.1	5.7	0.7	15.0	35.0	17.6
2012	103.5	116.8	8.9	57.2	50.2	6.6	0.7	14.9	34.1	17.8
2013	108.5	106.3	9.5	61.5	53.0	6.7	0.7	15.1	33.9	18.0
2014	104.2	104.3	9.5	61.7	50.4	6.1	0.7	15.4	39.3	20.0
2015	88.5	102.3	8.2	47.5	48.3	5.5	0.8	14.0	35.5	17.4
2016	87.0	100.7	8.0	46.7	47.5	5.4	0.8	13.8	35.0	17.1
2017	86.6	100.3	8.0	46.5	47.3	5.4	0.7	13.8	35.0	17.1
2018	84.9	98.4	7.8	45.6	46.3	5.3	0.7	13.5	34.4	16.8
2019	82.4	95.6	7.6	44.3	45.0	5.1	0.7	13.1	33.5	16.4
2020	80.0	92.9	7.4	42.9	43.7	5.0	0.7	12.8	32.6	16.0
2021	77.2	89.8	7.1	41.5	42.2	4.8	0.7	12.3	31.6	15.5
2022	75.0	87.2	6.9	40.3	41.0	4.7	0.7	12.0	30.8	15.1
2023	73.2	85.2	6.8	39.3	40.0	4.6	0.6	11.7	30.2	14.8
2024	71.9	83.8	6.6	38.6	39.3	4.5	0.6	11.5	29.8	14.6
2025	70.8	82.6	6.5	38.0	38.7	4.4	0.6	11.4	29.4	14.4
2026	69.7	81.4	6.4	37.4	38.1	4.4	0.6	11.2	29.1	14.2

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	54.8	26.3	61.5	29.0	168.0	41.6	89.5	99.5	42.3	56.6
2011	56.9	26.9	65.1	28.4	181.7	43.6	86.1	110.9	41.5	56.3
2012	51.5	25.0	57.5	24.8	159.6	39.2	81.3	95.5	38.4	52.7
2013	55.8	27.4	60.7	25.4	152.3	43.2	80.2	105.1	39.8	55.0
2014	52.9	27.0	63.0	24.0	156.2	44.7	70.7	100.0	37.2	60.1
2015	43.3	24.4	59.1	22.2	139.9	40.6	73.4	90.4	32.3	51.6
2016	42.8	24.1	58.3	21.9	138.2	39.9	72.5	89.4	31.9	51.0
2017	42.7	24.1	58.3	21.9	138.0	39.7	72.4	89.4	31.8	51.0
2018	42.0	23.7	57.3	21.5	135.8	38.9	71.2	88.0	31.3	50.2
2019	40.9	23.1	55.9	20.9	132.4	37.8	69.4	85.9	30.4	49.0
2020	39.9	22.5	54.4	20.3	129.0	36.6	67.6	83.8	29.6	47.8
2021	38.6	21.8	52.8	19.7	125.1	35.3	65.6	81.3	28.7	46.4
2022	37.7	21.2	51.5	19.1	121.9	34.3	63.9	79.4	27.9	45.3
2023	36.9	20.8	50.4	18.7	119.5	33.5	62.7	77.9	27.4	44.4
2024	36.3	20.5	49.7	18.4	117.8	32.8	61.8	76.8	26.9	43.9
2025	35.9	20.2	49.1	18.2	116.4	32.3	61.1	76.0	26.6	43.4
2026	35.5	20.0	48.6	17.9	115.1	31.8	60.4	75.3	26.3	43.0

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	57.1	448.5	22.3	40.5	52.4	17.1	144.5	133.9	39.3	18.1
2011	58.5	438.2	19.8	39.4	43.6	17.2	141.3	135.3	40.7	17.8
2012	50.9	443.5	18.4	37.5	40.0	19.9	138.6	127.0	41.2	17.4
2013	52.7	407.8	19.1	41.4	45.3	19.7	143.9	130.6	44.1	17.4
2014	55.9	418.0	21.9	43.3	43.1	17.2	135.2	119.9	43.9	16.4
2015	46.5	423.5	17.3	38.5	39.3	18.5	126.9	111.4	39.6	15.1
2016	46.0	418.7	17.2	37.9	38.6	18.2	125.0	109.4	38.9	14.9
2017	46.0	418.7	17.2	37.7	38.4	18.1	124.4	108.7	38.7	14.8
2018	45.3	412.4	17.0	36.9	37.6	17.7	122.1	106.4	37.8	14.5
2019	44.2	402.6	16.7	35.8	36.6	17.2	118.7	103.2	36.7	14.0
2020	43.1	392.5	16.3	34.8	35.5	16.7	115.3	100.0	35.6	13.6
2021	41.9	381.0	15.9	33.6	34.3	16.1	111.4	96.5	34.3	13.1
2022	40.9	371.9	15.6	32.6	33.3	15.7	108.3	93.5	33.3	12.7
2023	40.1	364.9	15.3	31.8	32.5	15.3	105.8	91.2	32.5	12.4
2024	39.6	360.0	15.2	31.3	31.9	15.0	104.0	89.4	31.9	12.1
2025	39.2	356.3	15.1	30.8	31.4	14.8	102.5	87.9	31.3	11.9
2026	38.8	352.7	15.0	30.3	30.9	14.6	101.0	86.5	30.8	11.7

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	38.7	79.8	13.0	24.3	119.4	26.8	38.0	74.6	21.2	34.2
2011	40.2	83.1	11.7	25.7	127.5	24.4	34.4	78.0	26.9	55.1
2012	35.1	87.6	11.0	24.4	122.8	23.0	33.6	70.1	22.7	45.1
2013	34.2	87.3	11.3	25.4	128.1	21.9	35.0	71.4	22.1	38.9
2014	34.0	91.9	14.0	25.5	123.1	24.0	35.5	59.6	21.6	41.7
2015	31.5	85.4	15.4	22.3	112.4	21.2	36.7	63.2	19.2	35.2
2016	31.0	84.2	15.2	21.9	110.5	20.9	36.2	62.1	18.9	34.6
2017	30.9	83.9	15.1	21.9	109.9	20.8	36.1	61.8	18.9	34.4
2018	30.4	82.4	14.9	21.5	107.6	20.4	35.4	60.5	18.5	33.7
2019	29.6	80.1	14.4	20.9	104.5	19.8	34.4	58.8	18.0	32.7
2020	28.7	77.9	14.0	20.3	101.3	19.3	33.5	57.0	17.5	31.7
2021	27.8	75.3	13.6	19.6	97.8	18.6	32.4	55.0	17.0	30.6
2022	27.0	73.3	13.2	19.1	94.9	18.1	31.5	53.4	16.5	29.7
2023	26.4	71.6	12.9	18.7	92.6	17.7	30.8	52.1	16.1	29.0
2024	26.0	70.4	12.7	18.4	90.9	17.4	30.3	51.1	15.9	28.5
2025	25.7	69.5	12.5	18.1	89.4	17.1	29.9	50.3	15.6	28.0
2026	25.3	68.5	12.4	17.9	88.0	16.9	29.5	49.6	15.4	27.6

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	111.0	29.9	12.2	0.0	6.2	45.8	124.2	31.8	93.2	5.2
2011	111.8	29.0	13.4	0.0	6.1	45.1	123.2	33.3	92.8	5.1
2012	119.6	28.6	14.5	0.0	5.8	43.3	123.3	33.2	89.8	5.6
2013	151.9	31.1	15.0	0.0	6.4	44.8	134.5	35.1	90.7	5.6
2014	164.0	32.7	16.0	0.0	7.2	45.9	144.1	35.1	97.2	5.7
2015	143.2	24.7	15.3	0.0	6.5	46.9	129.4	30.5	91.9	5.3
2016	140.8	24.3	15.0	0.0	6.4	46.3	127.1	30.0	90.2	5.2
2017	140.0	24.2	14.9	0.0	6.4	46.3	126.3	29.8	89.7	5.2
2018	137.1	23.7	14.6	0.0	6.2	45.5	123.6	29.1	87.8	5.1
2019	133.1	23.0	14.2	0.0	6.0	44.3	119.9	28.3	85.1	5.0
2020	129.1	22.3	13.8	0.0	5.9	43.2	116.2	27.4	82.5	4.8
2021	124.6	21.5	13.3	0.0	5.7	41.8	112.1	26.4	79.6	4.7
2022	120.9	20.9	12.9	0.0	5.5	40.8	108.7	25.6	77.2	4.5
2023	118.0	20.3	12.6	0.0	5.4	40.0	106.0	25.0	75.2	4.4
2024	115.7	20.0	12.3	0.0	5.3	39.4	103.9	24.5	73.8	4.3
2025	113.9	19.6	12.1	0.0	5.2	38.9	102.2	24.1	72.5	4.3
2026	112.1	19.3	11.9	0.0	5.1	38.4	100.5	23.7	71.3	4.2

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	1.0	2.8	2.9	0.9	1.5	8.8	2.6	0.5	2.9	9.3
2011	0.9	2.7	2.5	1.0	1.5	9.7	2.5	0.6	3.0	9.2
2012	0.9	2.9	2.4	1.0	2.0	9.7	2.9	0.6	3.0	8.5
2013	1.0	2.4	2.0	1.4	2.3	10.2	3.4	0.6	3.1	8.3
2014	1.0	2.3	1.5	2.0	2.1	9.9	5.1	0.6	3.1	8.3
2015	1.1	2.0	1.7	1.7	1.5	10.0	8.2	0.6	3.3	7.3
2016	1.1	2.0	1.7	1.8	1.5	9.9	8.2	0.6	3.3	7.2
2017	1.1	2.0	1.7	1.9	1.5	10.0	8.2	0.5	3.3	7.2
2018	1.0	1.9	1.7	1.9	1.5	9.9	8.1	0.5	3.2	7.0
2019	1.0	1.9	1.6	1.9	1.4	9.7	8.0	0.5	3.1	6.8
2020	1.0	1.8	1.6	2.0	1.4	9.5	7.8	0.5	3.0	6.6
2021	0.9	1.8	1.5	2.0	1.4	9.2	7.7	0.5	2.9	6.4
2022	0.9	1.7	1.5	2.0	1.3	9.1	7.5	0.5	2.9	6.2
2023	0.9	1.7	1.4	2.1	1.3	8.9	7.4	0.5	2.8	6.1
2024	0.9	1.6	1.4	2.2	1.3	8.9	7.4	0.5	2.7	6.0
2025	0.9	1.6	1.4	2.2	1.3	8.8	7.3	0.5	2.7	5.9
2026	0.9	1.6	1.4	2.3	1.3	8.8	7.3	0.4	2.7	5.8

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	2.0	2.1	1.1	37.7	33.0	13.4	1.3	0.4	14.8	0.1
2011	2.1	1.9	0.9	39.2	33.9	14.5	5.1	0.5	15.1	0.1
2012	2.1	1.6	1.0	35.1	39.4	13.6	4.8	0.5	13.0	0.1
2013	2.1	1.8	0.8	37.5	37.2	14.0	5.5	0.5	13.8	0.1
2014	3.0	1.7	0.9	42.8	37.3	13.6	5.8	0.8	14.7	0.1
2015	3.5	1.6	0.8	37.2	32.3	12.2	5.0	0.8	14.0	0.1
2016	3.4	1.6	0.8	36.6	31.8	12.0	5.2	0.9	13.9	0.1
2017	3.4	1.6	0.8	36.5	31.7	11.9	5.5	0.9	13.9	0.1
2018	3.4	1.6	0.8	35.8	31.1	11.7	5.6	0.9	13.8	0.1
2019	3.3	1.5	0.8	34.8	30.2	11.4	5.7	0.9	13.5	0.1
2020	3.2	1.5	0.8	33.8	29.3	11.1	5.8	1.0	13.2	0.1
2021	3.1	1.4	0.7	32.7	28.4	10.7	5.9	1.0	12.9	0.1
2022	3.0	1.4	0.7	31.8	27.6	10.4	6.0	1.0	12.6	0.1
2023	2.9	1.4	0.7	31.1	26.9	10.2	6.1	1.0	12.4	0.1
2024	2.9	1.3	0.7	30.5	26.5	10.0	6.3	1.0	12.3	0.1
2025	2.8	1.3	0.7	30.1	26.1	9.8	6.6	1.1	12.2	0.1
2026	2.8	1.3	0.7	29.7	25.7	9.7	6.8	1.1	12.1	0.1

Table C.4	Tariff V – Business volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	0.0	0.0	9.3	15.0	5.4	1.3	19.0	1.1		5720
2011	0.0	0.0	9.6	17.1	7.2	1.8	26.9	4.2		5855
2012	0.0	0.0	8.6	16.5	8.8	1.8	26.3	5.6		5526
2013	0.0	0.0	10.6	16.5	9.8	1.7	26.5	5.3		5715
2014	0.0	0.0	9.5	15.5	11.5	1.7	27.6	9.1		5783
2015	0.0	0.0	9.9	15.8	5.6	1.9	29.5	10.6		5277
2016	0.0	0.0	10.5	16.7	5.5	2.0	31.4	11.3		5211
2017	0.0	0.0	11.1	17.7	5.5	2.2	33.7	12.1		5204
2018	0.0	0.0	11.5	18.3	5.5	2.3	35.3	12.7		5120
2019	0.0	0.0	11.9	18.9	5.4	2.4	36.8	13.2		4992
2020	0.0	0.0	12.0	19.1	5.3	2.4	37.6	13.5		4861
2021	0.0	0.0	12.1	19.2	5.1	2.5	38.3	13.8		4712
2022	0.0	0.0	12.1	19.2	5.0	2.5	38.6	13.9		4592
2023	0.0	0.0	12.0	19.1	4.9	2.5	38.9	14.0		4498
2024	0.0	0.0	12.0	19.1	4.9	2.5	39.2	14.1		4431
2025	0.0	0.0	12.0	19.1	4.9	2.6	39.7	14.3		4377
2026	0.0	0.0	12.1	19.2	4.8	2.6	40.2	14.5		4326

Appendix D: Calendar year forecasts for Multinet Gas by postcode – Tariff D energy, customers and MHQ

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised									
	Postcode									
	MLB 3000	MLB 3004	MLB 3006	MLB 3008	MLB 3095	MLB 3097	MLB 3101	MLB 3102	MLB 3103	MLB 3104
2010	17.5	50.5	831.6	0.0	0.0	0.0	63.2	0.0	0.0	0.0
2011	16.7	51.7	824.0	0.0	0.0	0.0	73.2	0.0	0.0	0.0
2012	16.2	51.7	797.6	0.0	0.0	0.0	81.5	0.0	0.0	0.0
2013	13.8	50.2	840.1	0.0	0.0	0.0	71.2	0.0	0.0	0.0
2014	11.5	51.9	670.6	0.0	0.0	0.0	62.6	0.0	0.0	0.0
2015	11.0	53.9	621.5	0.0	0.0	0.0	59.9	0.0	0.0	0.0
2016	11.2	54.8	631.9	0.0	0.0	0.0	60.9	0.0	0.0	0.0
2017	11.5	56.3	649.3	0.0	0.0	0.0	62.4	0.0	0.0	0.0
2018	11.5	56.3	649.8	0.0	0.0	0.0	62.4	0.0	0.0	0.0
2019	11.6	56.5	651.6	0.0	0.0	0.0	62.4	0.0	0.0	0.0
2020	11.4	55.8	643.8	0.0	0.0	0.0	61.6	0.0	0.0	0.0
2021	11.3	55.3	662.9	0.0	0.0	0.0	60.8	0.0	0.0	0.0
2022	11.4	55.4	665.2	0.0	0.0	0.0	60.9	0.0	0.0	0.0
2023	11.4	55.5	666.3	0.0	0.0	0.0	60.9	0.0	0.0	0.0
2024	11.5	55.8	670.1	0.0	0.0	0.0	61.1	0.0	0.0	0.0
2025	11.6	56.0	673.3	0.0	0.0	0.0	60.8	0.0	0.0	0.0
2026	11.7	56.3	677.2	0.0	0.0	0.0	61.0	0.0	0.0	0.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB 3105	MLB 3106	MLB 3107	MLB 3108	MLB 3109	MLB 3111	MLB 3113	MLB 3114	MLB 3115	MLB 3116
2010	0.0	0.0	0.0	19.6	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	22.3	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	64.6	20.4	0.0	35.4	0.0	0.0	1065.3	0.0	32.1	89.1
2011	74.3	19.6	0.0	33.4	0.0	0.0	1003.0	0.0	32.3	90.5
2012	74.6	17.4	0.0	37.9	0.0	0.0	996.5	0.0	24.6	86.9
2013	71.9	19.1	0.0	39.9	0.0	0.0	1067.9	0.0	23.8	99.2
2014	35.8	14.8	0.0	44.0	0.0	0.0	1018.1	0.0	23.0	95.1
2015	46.4	11.2	0.0	41.9	0.0	0.0	950.2	0.0	23.1	105.3
2016	47.1	11.4	0.0	42.6	0.0	0.0	860.5	0.0	23.4	105.2
2017	48.3	11.7	0.0	43.6	0.0	0.0	842.7	0.0	24.0	106.0
2018	48.3	11.8	0.0	43.6	0.0	0.0	796.1	0.0	24.0	103.7
2019	48.4	11.9	0.0	43.6	0.0	0.0	749.8	0.0	24.0	101.7
2020	47.7	11.7	0.0	43.0	0.0	0.0	694.4	0.0	23.6	98.3
2021	47.1	11.6	0.0	42.4	0.0	0.0	672.7	0.0	23.3	95.3
2022	47.2	11.7	0.0	42.4	0.0	0.0	659.5	0.0	23.3	93.7
2023	47.2	11.8	0.0	42.4	0.0	0.0	648.7	0.0	23.3	92.1
2024	47.4	11.8	0.0	42.6	0.0	0.0	644.4	0.0	23.4	91.0
2025	47.3	12.0	0.0	42.2	0.0	0.0	640.4	0.0	23.2	89.9
2026	47.5	12.1	0.0	42.4	0.0	0.0	636.7	0.0	23.3	88.9

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	0.0	134.3	200.7	0.0	54.9	38.9	17.6	0.0	246.4	39.9
2011	0.0	122.1	220.9	0.0	40.7	37.4	17.1	0.0	255.4	36.9
2012	0.0	128.1	174.2	0.0	48.4	34.2	17.8	0.0	224.5	34.1
2013	0.7	108.7	161.1	0.0	42.2	36.4	19.9	0.0	199.6	32.7
2014	9.4	98.3	154.9	0.0	34.8	36.5	20.9	0.0	233.5	26.7
2015	5.2	101.1	150.8	0.0	32.0	35.4	20.8	0.0	150.2	26.4
2016	5.3	103.5	152.6	0.0	23.8	25.5	21.2	0.0	137.7	26.9
2017	5.4	107.2	155.8	0.0	22.2	23.5	21.8	0.0	141.1	27.7
2018	5.3	108.1	154.3	0.0	21.0	22.1	21.9	0.0	139.7	27.7
2019	5.3	109.3	153.0	0.0	20.0	20.8	22.0	0.0	138.2	27.8
2020	5.2	108.9	149.4	0.0	18.7	19.3	21.7	0.0	134.4	27.5
2021	5.1	109.1	146.1	0.0	17.5	17.9	21.5	0.0	131.4	27.2
2022	5.1	110.4	145.1	0.0	16.7	16.8	21.6	0.0	130.2	27.3
2023	5.1	111.4	144.0	0.0	15.9	15.9	21.7	0.0	128.8	27.4
2024	5.0	113.0	143.6	0.0	15.3	15.1	21.8	0.0	128.5	27.6
2025	5.0	114.8	143.0	0.0	14.7	14.5	22.0	0.0	128.5	27.6
2026	5.0	116.4	142.7	0.0	14.2	13.8	22.2	0.0	128.1	27.7

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	0.0	0.0	60.1	30.7	10.6	14.2	56.7	40.3	78.6	0.0
2011	0.0	0.0	61.3	23.1	20.5	16.5	49.8	43.4	83.2	0.0
2012	0.0	0.0	59.0	24.9	22.2	17.0	56.8	45.4	90.9	0.0
2013	0.0	0.0	60.9	26.5	24.8	17.9	54.2	67.5	86.5	0.0
2014	0.0	0.0	59.6	23.7	25.8	20.3	54.8	75.3	78.0	0.0
2015	0.0	0.0	63.4	21.6	24.5	24.8	52.5	82.2	79.1	0.0
2016	0.0	0.0	64.4	21.9	25.0	25.2	53.4	83.0	80.4	0.0
2017	0.0	0.0	66.0	22.4	25.7	26.0	54.8	84.3	82.5	0.0
2018	0.0	0.0	65.9	22.4	25.7	26.0	54.8	83.0	82.5	0.0
2019	0.0	0.0	65.9	22.4	25.8	26.1	54.9	81.7	82.7	0.0
2020	0.0	0.0	65.0	22.1	25.5	25.8	54.2	79.2	81.6	0.0
2021	0.0	0.0	64.1	21.8	25.3	25.6	53.5	76.8	80.7	0.0
2022	0.0	0.0	64.2	21.8	25.4	25.7	53.7	75.7	80.9	0.0
2023	0.0	0.0	64.1	21.8	25.5	25.8	53.7	74.7	80.9	0.0
2024	0.0	0.0	64.3	21.9	25.7	26.0	54.0	74.1	81.3	0.0
2025	0.0	0.0	63.8	21.7	25.9	26.2	53.8	73.7	81.2	0.0
2026	0.0	0.0	64.0	21.8	26.1	26.4	54.0	73.2	81.6	0.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	342.9	245.7	0.0	76.6	26.7	0.0	0.0	0.0	0.0	30.7
2011	426.7	231.1	0.0	70.1	29.5	0.0	0.0	0.0	0.0	31.6
2012	363.2	229.3	0.0	75.3	25.9	0.0	0.0	0.0	0.0	29.4
2013	379.7	218.1	0.0	66.9	24.5	0.0	0.0	0.0	0.0	31.0
2014	413.8	245.3	0.0	64.5	24.2	0.0	0.0	0.0	0.0	32.6
2015	352.7	251.5	0.0	67.7	26.6	0.0	0.0	0.0	0.0	33.9
2016	324.1	241.9	0.0	67.6	27.0	0.0	0.0	0.0	0.0	34.4
2017	332.0	239.8	0.0	68.0	27.7	0.0	0.0	0.0	0.0	35.3
2018	328.9	230.9	0.0	66.5	27.6	0.0	0.0	0.0	0.0	35.3
2019	325.4	222.4	0.0	65.1	27.6	0.0	0.0	0.0	0.0	35.3
2020	316.5	211.0	0.0	62.8	27.3	0.0	0.0	0.0	0.0	34.8
2021	309.8	201.1	0.0	60.8	26.9	0.0	0.0	0.0	0.0	34.3
2022	307.0	194.0	0.0	59.7	26.9	0.0	0.0	0.0	0.0	34.3
2023	303.9	187.3	0.0	58.5	26.9	0.0	0.0	0.0	0.0	34.3
2024	303.1	182.1	0.0	57.8	27.0	0.0	0.0	0.0	0.0	34.4
2025	302.4	177.5	0.0	57.1	26.8	0.0	0.0	0.0	0.0	34.2
2026	301.7	172.8	0.0	56.4	26.9	0.0	0.0	0.0	0.0	34.3

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	0.0	77.2	46.1	43.8	739.5	239.1	193.9	130.3	5.9	88.2
2011	0.0	63.6	42.4	38.1	659.0	230.3	198.0	116.9	6.1	73.1
2012	0.0	125.7	37.1	34.4	648.5	211.5	182.8	148.5	4.7	91.6
2013	0.0	67.9	39.1	8.9	643.0	193.0	201.1	131.9	3.8	86.4
2014	0.0	60.9	35.3	1.5	647.5	215.8	205.9	139.7	4.0	80.9
2015	0.0	85.3	41.4	22.4	694.9	211.8	205.8	142.9	4.8	85.3
2016	0.0	82.3	39.7	22.6	699.7	207.2	206.1	135.0	4.4	82.9
2017	0.0	83.4	39.6	23.0	711.4	211.2	207.9	137.6	4.5	83.8
2018	0.0	82.8	38.2	22.6	703.7	208.3	203.3	135.8	4.4	82.4
2019	0.0	82.4	36.8	22.3	697.4	205.3	198.9	134.0	4.4	81.2
2020	0.0	80.8	34.9	21.6	681.4	199.3	191.7	130.1	4.3	78.9
2021	0.0	79.4	33.3	20.9	666.7	193.9	185.3	127.0	4.2	76.7
2022	0.0	79.1	32.1	20.6	662.0	191.5	181.7	125.6	4.1	75.7
2023	0.0	78.8	31.0	20.4	656.4	189.1	178.1	124.0	4.1	74.7
2024	0.0	78.8	30.1	20.2	654.2	187.9	175.8	123.4	4.1	74.2
2025	0.0	78.5	29.3	20.1	646.3	187.2	173.9	123.0	4.1	73.4
2026	0.0	78.5	28.5	20.0	644.0	186.3	171.9	122.5	4.1	72.9

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	217.5	3337.1	14.1	43.4	283.9	26.5	382.2	32.2	0.0	0.0
2011	201.1	3352.9	10.0	44.1	285.8	29.7	387.9	25.4	0.0	0.0
2012	224.2	3319.1	6.8	46.1	221.4	27.7	377.9	33.4	0.0	0.0
2013	226.4	3353.4	9.3	48.3	218.3	32.1	378.5	30.7	0.0	0.0
2014	225.9	3603.2	10.9	55.0	181.5	35.3	358.1	30.9	0.0	0.0
2015	211.8	3642.2	10.0	65.2	172.3	38.0	335.8	34.8	0.0	0.0
2016	202.4	3392.8	8.9	65.8	173.9	38.3	341.0	35.5	0.0	0.0
2017	202.4	3466.4	8.6	66.9	176.7	39.0	349.6	36.5	0.0	0.0
2018	196.3	3459.5	8.0	65.8	173.8	38.3	349.0	36.6	0.0	0.0
2019	190.4	3419.5	7.5	64.8	171.1	37.7	349.2	36.7	0.0	0.0
2020	181.9	3355.2	6.8	62.8	165.8	36.6	344.3	36.4	0.0	0.0
2021	174.4	3279.1	6.6	61.0	160.9	35.5	339.6	36.0	0.0	0.0
2022	169.4	3277.0	6.4	60.1	158.5	35.0	340.0	36.2	0.0	0.0
2023	164.4	3241.3	6.3	59.3	156.3	34.5	339.7	36.3	0.0	0.0
2024	160.7	3229.8	6.2	58.8	155.1	34.2	341.0	36.6	0.0	0.0
2025	156.6	3223.1	6.1	58.5	154.2	34.1	338.3	36.7	0.0	0.0
2026	153.1	3242.9	6.1	58.1	153.1	33.8	339.3	37.0	0.0	0.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	0.0	0.0	2.7	0.0	247.9	18.1	10.0	172.6	0.0	29.1
2011	0.0	0.0	5.1	0.0	201.7	13.9	9.9	126.7	0.0	23.8
2012	0.0	0.0	5.5	0.0	184.9	16.8	8.8	136.7	0.0	24.0
2013	0.0	0.0	7.1	0.0	171.9	15.7	9.6	141.0	0.0	25.0
2014	0.0	0.0	7.9	0.0	176.5	16.6	10.1	141.3	0.0	24.5
2015	0.0	0.0	8.1	0.0	147.5	15.9	10.1	141.2	0.0	23.3
2016	0.0	0.0	8.2	0.0	142.3	16.2	10.2	142.8	0.0	18.8
2017	0.0	0.0	8.4	0.0	143.3	16.7	10.5	145.7	0.0	18.1
2018	0.0	0.0	8.4	0.0	139.7	16.7	10.5	144.4	0.0	17.5
2019	0.0	0.0	8.4	0.0	136.2	16.8	10.5	143.5	0.0	16.9
2020	0.0	0.0	8.3	0.0	130.7	16.6	10.3	140.5	0.0	16.1
2021	0.0	0.0	8.2	0.0	125.8	16.4	10.2	137.8	0.0	15.4
2022	0.0	0.0	8.2	0.0	122.8	16.5	10.2	137.1	0.0	14.9
2023	0.0	0.0	8.2	0.0	119.8	16.6	10.2	136.2	0.0	14.5
2024	0.0	0.0	8.2	0.0	117.8	16.7	10.2	136.1	0.0	14.2
2025	0.0	0.0	8.2	0.0	115.9	16.8	10.2	135.1	0.0	14.0
2026	0.0	0.0	8.2	0.0	114.0	16.9	10.2	134.9	0.0	13.7

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	184.7	55.5	0.0	7.2	14.8	0.0	78.4	0.0	1024.8	36.8
2011	168.8	50.7	0.0	8.5	13.1	0.0	56.6	0.0	980.0	51.7
2012	160.2	46.3	0.0	9.4	9.0	0.0	148.6	0.0	804.8	49.3
2013	165.3	45.8	0.0	13.7	10.6	0.0	55.3	0.0	883.4	37.3
2014	156.1	43.0	0.0	13.8	7.3	0.0	70.9	0.0	945.1	33.4
2015	157.4	39.1	0.0	12.0	8.1	0.0	79.6	0.0	911.4	31.7
2016	156.7	39.5	0.0	12.1	8.3	0.0	80.9	0.0	839.6	29.0
2017	158.4	40.1	0.0	12.3	8.6	0.0	83.2	0.0	711.7	29.7
2018	155.5	39.5	0.0	12.1	8.6	0.0	83.3	0.0	703.9	29.4
2019	152.8	38.9	0.0	11.9	8.6	0.0	83.6	0.0	622.9	29.1
2020	148.0	37.7	0.0	11.5	8.5	0.0	82.6	0.0	605.3	28.3
2021	143.9	36.6	0.0	11.2	8.4	0.0	81.8	0.0	591.4	27.7
2022	141.7	36.0	0.0	11.0	8.4	0.0	82.1	0.0	493.0	27.4
2023	139.5	35.5	0.0	10.9	8.4	0.0	82.3	0.0	487.5	27.1
2024	138.1	35.3	0.0	10.8	8.5	0.0	82.8	0.0	485.8	27.1
2025	137.1	35.1	0.0	10.7	8.6	0.0	83.2	0.0	485.1	27.1
2026	135.9	34.8	0.0	10.7	8.7	0.0	83.7	0.0	483.6	27.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	0.0	0.0	0.0	12.0	91.8	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	10.7	83.1	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	9.6	84.6	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	9.0	78.7	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	11.0	73.2	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	13.2	102.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	13.4	104.5	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	13.8	107.9	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	13.8	108.1	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	13.9	108.4	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	13.7	138.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	13.6	136.2	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	13.7	136.9	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	13.7	137.4	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	13.8	138.7	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	13.9	140.2	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	14.0	141.6	0.0	0.0	0.0	0.0	0.0

Table D.1	Tariff D – Volumes – based on boundary including losses and weather normalised (continued)									
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	0.0	0.0	109.8	0.0	0.0	0.0	0.0	0.0		12033
2011	0.0	0.0	231.3	0.0	0.0	0.0	0.0	0.0		11855
2012	0.0	0.0	264.0	0.0	0.0	0.0	0.0	0.0		11611
2013	0.0	0.0	249.2	0.0	0.0	0.0	0.0	0.0		11576
2014	0.0	0.0	287.8	190.2	0.0	0.0	0.0	0.0		11889
2015	0.0	0.0	337.5	619.2	0.0	0.0	0.0	0.0		12210
2016	0.0	0.0	340.5	624.7	0.0	0.0	0.0	0.0		11742
2017	0.0	0.0	345.1	633.2	0.0	0.0	0.0	0.0		11783
2018	0.0	0.0	344.8	632.6	0.0	0.0	0.0	0.0		11657
2019	0.0	0.0	341.2	626.1	0.0	0.0	0.0	0.0		11425
2020	0.0	0.0	339.8	623.5	0.0	0.0	0.0	0.0		11177
2021	0.0	0.0	335.6	615.8	0.0	0.0	0.0	0.0		10958
2022	0.0	0.0	333.4	611.7	0.0	0.0	0.0	0.0		10796
2023	0.0	0.0	333.6	612.2	0.0	0.0	0.0	0.0		10698
2024	0.0	0.0	336.2	616.9	0.0	0.0	0.0	0.0		10672
2025	0.0	0.0	339.6	623.1	0.0	0.0	0.0	0.0		10641
2026	0.0	0.0	343.0	629.4	0.0	0.0	0.0	0.0		10651

Table D.2	Tariff D – Customers									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	1	4	18	0	0	0	4	0	0	0
2011	1	4	19	0	0	0	4	0	0	0
2012	1	4	18	0	0	0	4	0	0	0
2013	1	4	18	0	0	0	4	0	0	0
2014	1	5	18	0	0	0	4	0	0	0
2015	1	5	18	0	0	0	4	0	0	0
2016	1	5	18	0	0	0	4	0	0	0
2017	1	5	18	0	0	0	4	0	0	0
2018	1	5	18	0	0	0	4	0	0	0
2019	1	5	17	0	0	0	4	0	0	0
2020	1	5	17	0	0	0	4	0	0	0
2021	1	5	18	0	0	0	4	0	0	0
2022	1	5	18	0	0	0	4	0	0	0
2023	1	5	17	0	0	0	4	0	0	0
2024	1	5	17	0	0	0	4	0	0	0
2025	1	5	17	0	0	0	4	0	0	0
2026	1	5	17	0	0	0	4	0	0	0

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	0	0	0	1	0	0	0	0	0	0
2011	0	0	0	1	0	0	0	0	0	0
2012	0	0	0	2	0	0	0	0	0	0
2013	0	0	0	2	0	0	0	0	0	0
2014	0	0	0	2	0	0	0	0	0	0
2015	0	0	0	2	0	0	0	0	0	0
2016	0	0	0	2	0	0	0	0	0	0
2017	0	0	0	2	0	0	0	0	0	0
2018	0	0	0	2	0	0	0	0	0	0
2019	0	0	0	2	0	0	0	0	0	0
2020	0	0	0	2	0	0	0	0	0	0
2021	0	0	0	2	0	0	0	0	0	0
2022	0	0	0	2	0	0	0	0	0	0
2023	0	0	0	2	0	0	0	0	0	0
2024	0	0	0	2	0	0	0	0	0	0
2025	0	0	0	2	0	0	0	0	0	0
2026	0	0	0	2	0	0	0	0	0	0

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	3	1	0	2	0	0	7	0	0	2
2011	3	1	0	2	0	0	7	0	0	2
2012	3	1	0	2	0	0	5	0	0	1
2013	3	1	0	2	0	0	5	0	0	1
2014	4	1	0	2	0	0	7	0	0	1
2015	3	1	0	2	0	0	7	0	0	1
2016	3	1	0	2	0	0	7	0	0	1
2017	3	1	0	2	0	0	7	0	0	1
2018	3	1	0	2	0	0	7	0	0	1
2019	3	1	0	2	0	0	7	0	0	1
2020	3	1	0	2	0	0	7	0	0	1
2021	3	1	0	2	0	0	7	0	0	1
2022	3	1	0	2	0	0	6	0	0	1
2023	3	1	0	2	0	0	6	0	0	1
2024	3	1	0	2	0	0	6	0	0	1
2025	3	1	0	2	0	0	6	0	0	1
2026	3	1	0	2	0	0	6	0	0	1

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	5	1	1	0	6	2	1	0	1	2
2011	4	0	1	0	6	2	1	0	1	2
2012	4	0	1	0	4	2	1	0	1	2
2013	4	0	1	0	4	2	1	0	1	2
2014	4	1	1	0	4	1	1	0	1	2
2015	4	1	1	0	4	2	1	0	1	1
2016	4	1	1	0	4	2	1	0	1	1
2017	4	1	1	0	4	2	1	0	1	1
2018	4	1	1	0	4	2	1	0	1	1
2019	4	1	1	0	4	2	1	0	1	1
2020	4	1	1	0	4	2	1	0	1	1
2021	4	1	1	0	4	2	1	0	1	1
2022	4	1	1	0	4	2	1	0	1	1
2023	4	1	1	0	4	2	1	0	1	1
2024	4	1	1	0	4	2	1	0	1	1
2025	4	1	1	0	4	2	1	0	1	1
2026	4	1	1	0	4	2	1	0	1	1

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	0	0	2	1	1	1	1	3	6	0
2011	0	0	2	1	1	1	1	3	6	0
2012	0	0	2	1	1	1	1	3	6	0
2013	0	0	2	1	1	1	1	3	6	0
2014	0	0	2	1	1	1	1	3	6	0
2015	0	0	2	1	1	1	1	3	6	0
2016	0	0	2	1	1	1	1	3	6	0
2017	0	0	2	1	1	1	1	3	6	0
2018	0	0	2	1	1	1	1	3	6	0
2019	0	0	2	1	1	1	1	3	6	0
2020	0	0	2	1	1	1	1	3	6	0
2021	0	0	2	1	1	1	1	3	6	0
2022	0	0	2	1	1	1	1	3	6	0
2023	0	0	2	1	1	1	1	3	6	0
2024	0	0	2	1	1	1	1	3	5	0
2025	0	0	2	1	1	1	1	3	5	0
2026	0	0	2	1	1	1	1	3	5	0

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	3	11	0	2	1	0	0	0	0	2
2011	3	9	0	2	1	0	0	0	0	2
2012	3	9	0	2	1	0	0	0	0	2
2013	3	9	0	2	1	0	0	0	0	2
2014	3	9	0	2	1	0	0	0	0	2
2015	4	9	0	3	1	0	0	0	0	2
2016	4	9	0	3	1	0	0	0	0	2
2017	4	9	0	3	1	0	0	0	0	2
2018	4	9	0	3	1	0	0	0	0	2
2019	4	9	0	3	1	0	0	0	0	2
2020	4	9	0	3	1	0	0	0	0	2
2021	4	8	0	3	1	0	0	0	0	2
2022	4	8	0	3	1	0	0	0	0	2
2023	4	8	0	3	1	0	0	0	0	2
2024	4	8	0	3	1	0	0	0	0	2
2025	4	8	0	3	1	0	0	0	0	2
2026	4	8	0	3	1	0	0	0	0	2

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	0	3	2	2	16	8	6	5	1	5
2011	0	3	2	2	15	8	6	6	1	5
2012	0	3	2	2	13	7	6	6	1	6
2013	0	3	2	0	11	6	7	6	1	6
2014	0	3	2	2	13	7	7	6	1	6
2015	0	4	2	2	15	7	7	6	1	6
2016	0	4	2	2	15	7	7	6	1	6
2017	0	4	2	2	15	7	7	6	1	6
2018	0	4	2	2	15	7	7	6	1	6
2019	0	4	2	2	15	7	7	6	1	6
2020	0	4	2	2	14	7	7	6	1	6
2021	0	4	2	2	14	7	7	6	1	6
2022	0	4	2	2	14	6	6	6	1	6
2023	0	4	2	2	14	6	6	6	1	6
2024	0	4	2	2	14	6	6	5	1	5
2025	0	4	2	2	14	6	6	5	1	5
2026	0	4	2	2	14	6	6	5	1	5

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	6	50	1	2	5	1	5	3	0	0
2011	6	49	1	2	5	1	5	3	0	0
2012	7	46	1	2	4	1	5	3	0	0
2013	7	49	1	2	4	2	5	3	0	0
2014	7	50	1	2	3	2	5	3	0	0
2015	7	53	1	2	3	2	5	3	0	0
2016	7	52	1	2	3	2	5	3	0	0
2017	7	53	1	2	3	2	5	3	0	0
2018	7	53	1	2	3	2	5	3	0	0
2019	7	52	1	2	3	2	5	3	0	0
2020	7	52	1	2	3	2	5	3	0	0
2021	7	51	1	2	3	2	5	3	0	0
2022	6	52	1	2	3	2	5	3	0	0
2023	6	51	1	2	3	2	5	3	0	0
2024	6	51	1	2	3	2	5	3	0	0
2025	6	51	1	2	3	2	5	3	0	0
2026	6	52	1	2	3	2	5	3	0	0

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	0	0	1	0	11	1	1	5	0	2
2011	0	0	1	0	10	1	1	5	0	2
2012	0	0	1	0	10	1	1	4	0	2
2013	0	0	1	0	9	1	1	4	0	2
2014	0	0	1	0	9	1	1	4	0	2
2015	0	0	1	0	8	1	1	4	0	2
2016	0	0	1	0	8	1	1	4	0	2
2017	0	0	1	0	8	1	1	4	0	2
2018	0	0	1	0	8	1	1	4	0	2
2019	0	0	1	0	8	1	1	4	0	2
2020	0	0	1	0	8	1	1	4	0	2
2021	0	0	1	0	7	1	1	4	0	2
2022	0	0	1	0	7	1	1	4	0	2
2023	0	0	1	0	7	1	1	4	0	2
2024	0	0	1	0	7	1	1	4	0	2
2025	0	0	1	0	7	1	1	4	0	2
2026	0	0	1	0	7	1	1	4	0	2

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	8	1	0	1	1	0	2	0	10	1
2011	8	1	0	1	1	0	2	0	10	1
2012	8	1	0	1	1	0	2	0	10	1
2013	7	1	0	1	1	0	2	0	9	1
2014	6	1	0	1	1	0	2	0	9	1
2015	7	1	0	1	1	0	2	0	9	1
2016	7	1	0	1	1	0	2	0	9	1
2017	7	1	0	1	1	0	2	0	7	1
2018	7	1	0	1	1	0	2	0	7	1
2019	7	1	0	1	1	0	2	0	6	1
2020	7	1	0	1	1	0	2	0	6	1
2021	7	1	0	1	1	0	2	0	6	1
2022	6	1	0	1	1	0	2	0	5	1
2023	6	1	0	1	1	0	2	0	5	1
2024	6	1	0	1	1	0	2	0	5	1
2025	6	1	0	1	1	0	2	0	5	1
2026	6	1	0	1	1	0	2	0	5	1

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0	0	0

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	0	0	0	1	7	1	0	0	0	0
2011	0	0	0	1	7	1	0	0	0	0
2012	0	0	0	0	7	0	0	0	0	0
2013	0	0	0	1	7	0	0	0	0	0
2014	0	0	0	1	8	0	0	0	0	0
2015	0	0	0	1	8	0	0	0	0	0
2016	0	0	0	1	8	0	0	0	0	0
2017	0	0	0	1	8	0	0	0	0	0
2018	0	0	0	1	8	0	0	0	0	0
2019	0	0	0	1	8	0	0	0	0	0
2020	0	0	0	1	9	0	0	0	0	0
2021	0	0	0	1	8	0	0	0	0	0
2022	0	0	0	1	8	0	0	0	0	0
2023	0	0	0	1	8	0	0	0	0	0
2024	0	0	0	1	8	0	0	0	0	0
2025	0	0	0	1	8	0	0	0	0	0
2026	0	0	0	1	8	0	0	0	0	0

Table D.2	Tariff D – Customers (continued)									
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	0	0	1	0	0	0	0	0		272
2011	0	0	1	0	0	0	0	0		267
2012	0	0	1	0	0	0	0	0		254
2013	0	0	1	0	0	0	0	0		252
2014	0	0	1	1	0	0	0	0		262
2015	0	0	1	1	0	0	0	0		269
2016	0	0	1	1	0	0	0	0		263
2017	0	0	1	1	0	0	0	0		265
2018	0	0	1	1	0	0	0	0		263
2019	0	0	1	1	0	0	0	0		259
2020	0	0	1	1	0	0	0	0		256
2021	0	0	1	1	0	0	0	0		252
2022	0	0	1	1	0	0	0	0		249
2023	0	0	1	1	0	0	0	0		248
2024	0	0	1	1	0	0	0	0		247
2025	0	0	1	1	0	0	0	0		246
2026	0	0	1	1	0	0	0	0		246

Table D.3	Tariff D – MHQ									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3000	3004	3006	3008	3095	3097	3101	3102	3103	3104
2010	8.3	13.9	247.1	0.0	0.0	0.0	19.8	0.0	0.0	0.0
2011	7.4	14.1	262.7	0.0	0.0	0.0	19.2	0.0	0.0	0.0
2012	6.7	13.2	294.5	0.0	0.0	0.0	19.1	0.0	0.0	0.0
2013	7.0	12.5	282.1	0.0	0.0	0.0	19.4	0.0	0.0	0.0
2014	5.7	23.0	264.3	0.0	0.0	0.0	18.4	0.0	0.0	0.0
2015	6.4	20.1	247.5	0.0	0.0	0.0	19.0	0.0	0.0	0.0
2016	6.5	20.2	249.4	0.0	0.0	0.0	19.1	0.0	0.0	0.0
2017	6.6	20.7	254.9	0.0	0.0	0.0	19.5	0.0	0.0	0.0
2018	6.6	20.6	253.8	0.0	0.0	0.0	19.4	0.0	0.0	0.0
2019	6.6	20.7	255.6	0.0	0.0	0.0	19.5	0.0	0.0	0.0
2020	6.6	20.5	252.8	0.0	0.0	0.0	19.3	0.0	0.0	0.0
2021	6.5	20.4	265.5	0.0	0.0	0.0	19.2	0.0	0.0	0.0
2022	6.6	20.5	266.6	0.0	0.0	0.0	19.3	0.0	0.0	0.0
2023	6.6	20.5	266.7	0.0	0.0	0.0	19.3	0.0	0.0	0.0
2024	6.6	20.5	267.1	0.0	0.0	0.0	19.3	0.0	0.0	0.0
2025	6.6	20.5	267.5	0.0	0.0	0.0	19.3	0.0	0.0	0.0
2026	6.6	20.4	266.6	0.0	0.0	0.0	19.2	0.0	0.0	0.0

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3105	3106	3107	3108	3109	3111	3113	3114	3115	3116
2010	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131
2010	28.6	9.6	0.0	20.2	0.0	0.0	186.3	0.0	7.2	31.4
2011	31.7	9.8	0.0	20.0	0.0	0.0	172.4	0.0	8.2	29.2
2012	31.5	9.7	0.0	21.3	0.0	0.0	164.9	0.0	5.4	29.0
2013	32.1	9.7	0.0	21.1	0.0	0.0	183.1	0.0	5.7	39.5
2014	23.6	10.3	0.0	24.6	0.0	0.0	191.8	0.0	5.5	30.7
2015	25.2	11.0	0.0	23.4	0.0	0.0	182.5	0.0	5.1	33.0
2016	25.4	11.0	0.0	23.5	0.0	0.0	174.3	0.0	5.2	33.1
2017	26.0	11.3	0.0	24.0	0.0	0.0	170.6	0.0	5.3	33.6
2018	25.8	11.2	0.0	23.9	0.0	0.0	164.3	0.0	5.3	33.3
2019	26.0	11.3	0.0	24.1	0.0	0.0	159.2	0.0	5.3	33.3
2020	25.7	11.2	0.0	23.8	0.0	0.0	152.4	0.0	5.2	32.8
2021	25.6	11.1	0.0	23.6	0.0	0.0	149.1	0.0	5.2	32.5
2022	25.7	11.2	0.0	23.7	0.0	0.0	147.5	0.0	5.2	32.5
2023	25.7	11.2	0.0	23.7	0.0	0.0	145.7	0.0	5.2	32.3
2024	25.7	11.2	0.0	23.7	0.0	0.0	144.7	0.0	5.2	32.1
2025	25.7	11.2	0.0	23.7	0.0	0.0	144.2	0.0	5.2	32.0
2026	25.5	11.1	0.0	23.6	0.0	0.0	143.1	0.0	5.2	31.7

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	YV	MLB	MLB
	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141
2010	1.2	21.4	70.3	0.0	15.6	8.5	4.6	0.0	60.0	11.0
2011	0.0	28.7	64.9	0.0	15.3	8.0	4.5	0.0	60.7	10.0
2012	0.0	21.6	55.3	0.0	15.6	8.2	4.5	0.0	63.7	10.6
2013	0.0	25.7	47.6	0.0	14.5	8.3	4.5	0.0	71.8	10.8
2014	4.2	19.1	52.0	0.0	12.6	8.5	4.8	0.0	71.3	10.5
2015	3.8	17.4	57.2	0.0	12.9	8.0	4.8	0.0	52.3	10.8
2016	3.8	17.7	57.7	0.0	11.9	7.3	4.9	0.0	50.0	10.9
2017	3.9	18.3	58.9	0.0	11.4	6.9	5.0	0.0	49.7	11.2
2018	3.8	18.4	58.4	0.0	11.0	6.7	5.0	0.0	49.4	11.2
2019	3.9	18.6	58.4	0.0	10.8	6.5	5.0	0.0	49.2	11.2
2020	3.8	18.5	57.2	0.0	10.4	6.3	4.9	0.0	48.0	11.1
2021	3.8	18.4	56.7	0.0	10.3	6.2	4.9	0.0	47.4	11.1
2022	3.8	18.6	56.4	0.0	10.1	6.1	4.9	0.0	47.0	11.1
2023	3.8	18.7	56.0	0.0	9.9	5.9	4.9	0.0	46.5	11.2
2024	3.8	18.9	55.8	0.0	9.7	5.8	5.0	0.0	46.3	11.2
2025	3.8	19.1	55.7	0.0	9.5	5.7	5.0	0.0	46.3	11.2
2026	3.8	19.2	55.3	0.0	9.3	5.5	5.0	0.0	46.1	11.2

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151
2010	0.0	0.0	15.9	22.0	2.1	4.6	41.6	11.5	30.1	0.0
2011	0.0	0.0	12.2	16.3	5.3	4.5	39.6	11.2	30.5	0.0
2012	0.0	0.0	13.1	16.3	5.6	5.2	41.1	14.1	30.1	0.0
2013	0.0	0.0	14.0	19.1	5.5	6.3	71.4	16.5	31.7	0.0
2014	0.0	0.0	11.9	15.8	5.9	6.7	38.5	17.9	30.1	0.0
2015	0.0	0.0	13.1	16.1	5.6	6.6	36.6	18.2	30.3	0.0
2016	0.0	0.0	13.2	16.2	5.7	6.7	36.8	18.3	30.5	0.0
2017	0.0	0.0	13.5	16.5	5.8	6.8	37.5	18.7	31.2	0.0
2018	0.0	0.0	13.4	16.4	5.8	6.8	37.3	18.5	31.0	0.0
2019	0.0	0.0	13.5	16.5	5.8	6.8	37.6	18.3	31.3	0.0
2020	0.0	0.0	13.3	16.4	5.8	6.8	37.2	17.8	30.9	0.0
2021	0.0	0.0	13.3	16.3	5.7	6.7	37.0	17.5	30.7	0.0
2022	0.0	0.0	13.3	16.3	5.7	6.8	37.1	17.3	30.9	0.0
2023	0.0	0.0	13.3	16.3	5.8	6.8	37.1	17.1	30.9	0.0
2024	0.0	0.0	13.3	16.3	5.8	6.8	37.1	16.9	30.9	0.0
2025	0.0	0.0	13.3	16.3	5.8	6.8	37.1	16.8	30.9	0.0
2026	0.0	0.0	13.2	16.2	5.8	6.8	36.9	16.7	30.8	0.0

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3152	3153	3154	3155	3156	3158	3159	3160	3161	3162
2010	71.4	116.8	0.0	19.1	6.2	0.0	0.0	0.0	0.0	12.6
2011	71.6	107.7	0.0	15.7	6.3	0.0	0.0	0.0	0.0	10.0
2012	70.7	106.2	0.0	15.1	7.1	0.0	0.0	0.0	0.0	10.6
2013	70.5	116.3	0.0	21.4	5.5	0.0	0.0	0.0	0.0	9.5
2014	71.2	160.8	0.0	16.5	6.1	0.0	0.0	0.0	0.0	13.0
2015	70.0	144.2	0.0	15.5	6.0	0.0	0.0	0.0	0.0	11.3
2016	67.0	142.3	0.0	15.5	6.0	0.0	0.0	0.0	0.0	11.4
2017	66.8	142.9	0.0	15.7	6.1	0.0	0.0	0.0	0.0	11.7
2018	66.3	140.3	0.0	15.6	6.1	0.0	0.0	0.0	0.0	11.6
2019	66.0	139.1	0.0	15.6	6.1	0.0	0.0	0.0	0.0	11.7
2020	64.5	135.5	0.0	15.3	6.1	0.0	0.0	0.0	0.0	11.5
2021	63.7	133.8	0.0	15.2	6.0	0.0	0.0	0.0	0.0	11.5
2022	63.2	132.4	0.0	15.2	6.1	0.0	0.0	0.0	0.0	11.5
2023	62.6	130.5	0.0	15.1	6.1	0.0	0.0	0.0	0.0	11.5
2024	62.3	128.9	0.0	15.0	6.1	0.0	0.0	0.0	0.0	11.5
2025	62.3	127.6	0.0	14.9	6.1	0.0	0.0	0.0	0.0	11.5
2026	62.0	125.7	0.0	14.8	6.0	0.0	0.0	0.0	0.0	11.4

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3163	3165	3166	3167	3168	3169	3170	3171	3172	3173
2010	0.0	28.8	21.9	20.7	242.8	62.0	62.7	73.5	2.3	29.4
2011	0.0	26.0	21.3	16.9	234.6	58.7	59.6	73.4	2.2	31.2
2012	0.0	70.7	22.0	19.5	237.9	59.2	63.1	88.3	1.9	38.6
2013	0.0	26.7	21.4	0.0	210.6	50.9	77.1	88.5	3.0	39.9
2014	0.0	24.5	42.8	9.9	220.7	54.2	60.2	93.6	1.8	37.9
2015	0.0	30.6	22.9	8.6	235.4	56.3	70.5	101.9	1.8	36.6
2016	0.0	30.2	22.6	8.6	236.4	56.1	70.8	99.9	1.7	36.3
2017	0.0	30.5	22.8	8.8	240.9	56.9	72.0	100.5	1.7	36.6
2018	0.0	30.2	22.3	8.7	239.0	56.2	71.1	99.6	1.7	36.2
2019	0.0	30.2	22.1	8.6	239.8	55.8	70.7	99.5	1.7	36.1
2020	0.0	29.8	21.5	8.4	236.3	54.3	69.1	97.5	1.7	35.4
2021	0.0	29.5	21.2	8.3	234.7	53.5	68.3	96.6	1.6	35.1
2022	0.0	29.5	20.9	8.1	234.9	52.9	67.7	96.1	1.6	34.9
2023	0.0	29.4	20.6	8.0	234.1	52.2	67.0	95.4	1.6	34.6
2024	0.0	29.3	20.3	8.0	233.7	51.8	66.5	95.0	1.6	34.4
2025	0.0	29.3	20.1	7.9	233.0	51.7	66.1	94.9	1.6	34.3
2026	0.0	29.0	19.7	7.9	231.2	51.3	65.5	94.3	1.6	33.9

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3174	3175	3177	3178	3179	3180	3181	3182	3183	3184
2010	55.3	851.5	4.7	14.9	73.7	9.5	107.2	8.3	0.0	0.0
2011	68.9	853.4	4.3	14.6	71.2	7.4	106.4	7.1	0.0	0.0
2012	57.5	834.6	4.3	15.7	50.7	7.9	107.5	7.8	0.0	0.0
2013	55.5	864.2	4.3	15.9	65.4	12.1	105.4	8.5	0.0	0.0
2014	58.9	914.0	4.2	13.0	50.7	14.8	107.1	8.6	0.0	0.0
2015	57.1	944.7	4.0	14.8	49.8	11.9	103.0	9.3	0.0	0.0
2016	56.6	915.9	3.8	14.9	50.3	12.0	103.7	9.4	0.0	0.0
2017	57.1	916.6	3.6	15.2	51.3	12.2	105.9	9.6	0.0	0.0
2018	56.2	926.9	3.4	15.0	50.7	12.1	105.3	9.6	0.0	0.0
2019	56.0	924.2	3.3	14.9	50.3	12.0	106.0	9.7	0.0	0.0
2020	54.7	921.1	3.1	14.5	48.8	11.6	104.7	9.6	0.0	0.0
2021	54.1	910.6	3.0	14.3	48.1	11.5	104.2	9.5	0.0	0.0
2022	53.7	922.2	2.9	14.1	47.5	11.3	104.5	9.6	0.0	0.0
2023	53.1	913.9	2.9	13.9	46.8	11.1	104.4	9.6	0.0	0.0
2024	52.6	909.7	2.9	13.8	46.4	11.1	104.5	9.6	0.0	0.0
2025	52.1	908.6	2.8	13.7	46.2	11.0	104.4	9.6	0.0	0.0
2026	51.4	921.5	2.8	13.6	45.8	10.9	103.8	9.6	0.0	0.0

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194
2010	0.0	0.0	2.2	0.0	110.0	5.6	2.2	77.1	0.0	23.2
2011	0.0	0.0	1.9	0.0	94.5	5.8	2.4	67.2	0.0	21.2
2012	0.0	0.0	1.9	0.0	92.2	5.9	1.7	57.4	0.0	20.3
2013	0.0	0.0	2.3	0.0	94.7	5.3	2.1	54.5	0.0	19.2
2014	0.0	0.0	2.2	0.0	101.0	6.0	2.0	54.0	0.0	17.7
2015	0.0	0.0	2.3	0.0	67.0	5.7	2.2	65.3	0.0	15.6
2016	0.0	0.0	2.4	0.0	66.5	5.8	2.2	65.7	0.0	14.8
2017	0.0	0.0	2.4	0.0	67.1	5.9	2.2	67.0	0.0	14.4
2018	0.0	0.0	2.4	0.0	66.0	5.9	2.2	66.5	0.0	14.1
2019	0.0	0.0	2.4	0.0	65.5	5.9	2.2	66.7	0.0	13.9
2020	0.0	0.0	2.4	0.0	63.7	5.8	2.2	65.8	0.0	13.6
2021	0.0	0.0	2.4	0.0	62.8	5.8	2.2	65.3	0.0	13.4
2022	0.0	0.0	2.4	0.0	62.0	5.8	2.2	65.4	0.0	13.3
2023	0.0	0.0	2.4	0.0	61.1	5.8	2.2	65.2	0.0	13.1
2024	0.0	0.0	2.4	0.0	60.4	5.9	2.2	65.1	0.0	12.9
2025	0.0	0.0	2.4	0.0	59.9	5.9	2.2	65.0	0.0	12.8
2026	0.0	0.0	2.4	0.0	59.2	5.9	2.2	64.5	0.0	12.6

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB	MLB
	3195	3196	3197	3201	3202	3204	3205	3206	3207	3765
2010	58.0	12.3	0.0	4.7	6.7	0.0	37.5	0.0	246.6	39.0
2011	54.8	11.2	0.0	5.3	5.9	0.0	17.5	0.0	237.0	43.8
2012	52.3	14.1	0.0	6.9	5.8	0.0	21.2	0.0	264.8	43.4
2013	54.4	9.6	0.0	6.9	5.4	0.0	20.4	0.0	287.9	42.4
2014	59.8	9.7	0.0	6.8	6.6	0.0	20.2	0.0	276.0	40.0
2015	49.9	10.5	0.0	6.9	5.4	0.0	24.1	0.0	286.4	36.2
2016	50.0	10.6	0.0	6.9	5.4	0.0	24.3	0.0	275.3	34.6
2017	50.8	10.8	0.0	7.1	5.6	0.0	24.8	0.0	213.2	34.4
2018	50.3	10.7	0.0	7.0	5.5	0.0	24.7	0.0	211.2	34.2
2019	50.3	10.6	0.0	6.9	5.6	0.0	24.9	0.0	184.8	34.0
2020	49.4	10.3	0.0	6.7	5.5	0.0	24.6	0.0	180.2	33.2
2021	49.0	10.1	0.0	6.6	5.5	0.0	24.5	0.0	177.9	32.8
2022	48.9	10.0	0.0	6.5	5.5	0.0	24.6	0.0	141.0	32.5
2023	48.6	9.9	0.0	6.4	5.5	0.0	24.6	0.0	139.5	32.2
2024	48.4	9.8	0.0	6.4	5.5	0.0	24.6	0.0	138.8	32.0
2025	48.2	9.7	0.0	6.4	5.5	0.0	24.7	0.0	138.6	32.0
2026	47.8	9.7	0.0	6.3	5.5	0.0	24.6	0.0	137.8	31.9

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	YV	MLB	MLB	MLB	MLB	MLB	MLB
	3766	3767	3770	3775	3781	3782	3783	3786	3787	3788
2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table D.3	Tariff D – MHQ (continued)									
	Postcode									
	MLB	MLB	MLB	MLB	MLB	MLB	YV	YV	MLB	MLB
	3789	3791	3792	3793	3795	3796	3797	3799	3802	3804
2010	0.0	0.0	0.0	2.8	53.7	0.0	0.0	0.0	0.0	0.0
2011	0.0	0.0	0.0	2.8	51.4	0.0	0.0	0.0	0.0	0.0
2012	0.0	0.0	0.0	2.7	58.9	0.0	0.0	0.0	0.0	0.0
2013	0.0	0.0	0.0	2.6	62.3	0.0	0.0	0.0	0.0	0.0
2014	0.0	0.0	0.0	2.7	59.3	0.0	0.0	0.0	0.0	0.0
2015	0.0	0.0	0.0	2.8	65.5	0.0	0.0	0.0	0.0	0.0
2016	0.0	0.0	0.0	2.8	65.9	0.0	0.0	0.0	0.0	0.0
2017	0.0	0.0	0.0	2.8	67.3	0.0	0.0	0.0	0.0	0.0
2018	0.0	0.0	0.0	2.8	66.9	0.0	0.0	0.0	0.0	0.0
2019	0.0	0.0	0.0	2.9	67.4	0.0	0.0	0.0	0.0	0.0
2020	0.0	0.0	0.0	2.8	80.7	0.0	0.0	0.0	0.0	0.0
2021	0.0	0.0	0.0	2.8	80.3	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	2.8	80.7	0.0	0.0	0.0	0.0	0.0
2023	0.0	0.0	0.0	2.8	80.7	0.0	0.0	0.0	0.0	0.0
2024	0.0	0.0	0.0	2.8	80.8	0.0	0.0	0.0	0.0	0.0
2025	0.0	0.0	0.0	2.8	80.9	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	2.8	80.6	0.0	0.0	0.0	0.0	0.0

Table D.3 Tariff D – MHQ (continued)										
	Postcode									
	MLB	MLB	SG	SG	MLB	SG	SG	SG		
	3805	3916	3950	3953	3976	3984	3995	3996		Total
2010	0.0	0.0	39.4	0.0	0.0	0.0	0.0	0.0		3512
2011	0.0	0.0	62.1	0.0	0.0	0.0	0.0	0.0		3446
2012	0.0	0.0	55.5	0.0	0.0	0.0	0.0	0.0		3506
2013	0.0	0.0	52.9	0.0	0.0	0.0	0.0	0.0		3565
2014	0.0	0.0	56.5	101.5	0.0	0.0	0.0	0.0		3727
2015	0.0	0.0	58.4	142.4	0.0	0.0	0.0	0.0		3727
2016	0.0	0.0	58.7	143.1	0.0	0.0	0.0	0.0		3673
2017	0.0	0.0	58.9	143.6	0.0	0.0	0.0	0.0		3639
2018	0.0	0.0	58.9	143.6	0.0	0.0	0.0	0.0		3621
2019	0.0	0.0	58.7	143.3	0.0	0.0	0.0	0.0		3588
2020	0.0	0.0	58.5	142.7	0.0	0.0	0.0	0.0		3549
2021	0.0	0.0	58.4	142.5	0.0	0.0	0.0	0.0		3529
2022	0.0	0.0	58.2	141.9	0.0	0.0	0.0	0.0		3496
2023	0.0	0.0	58.1	141.7	0.0	0.0	0.0	0.0		3472
2024	0.0	0.0	58.2	141.9	0.0	0.0	0.0	0.0		3460
2025	0.0	0.0	58.4	142.5	0.0	0.0	0.0	0.0		3454
2026	0.0	0.0	58.7	143.2	0.0	0.0	0.0	0.0		3451

Addendum: The impact of marketing step change on Multinet volumes and customer numbers

The Victorian Gas Distributors jointly commissioned Axiom Economics to assess the quantitative impacts of a marketing operating expenditure step change (or increase). This work was commissioned after NIEIR finalised its forecast for Multinet Gas.

The marketing campaign for each business through advertising and appliance rebates was envisaged to help arrest the decline in average residential consumption.

The revised residential forecasts for Multinet Gas for the period 2018 to 2022, including and excluding the market step change, are provided below.

Multinet residential demand forecast – Excluding and including marketing step change					
Category	**2018**	**2019**	**2020**	**2021**	**2022**
Excluding marketing step change					
Net customer numbers	684,783	688,279	691,752	695,209	698,507
Consumption per connection (GJ) (weather normalised)	55.1	54.1	53.2	52.1	51.2
Total consumption (TJ) (weather normalised)	37,715	37,231	36,777	36,241	35,748
Including marketing step change					
Net customer numbers	685,064	688,840	692,594	696,332	699,910
Consumption per connection (GJ) (weather normalised)	55.2	54.3	53.5	52.6	51.8
Total consumption (TJ) (weather normalised)	37,810	37,421	37,061	36,620	36,222

Note: Figures may not reconcile exactly due to rounding.