

# Domestic customers with higher VoLL (established from previous research)



Domestic customers	% variation of average
Fuel poor customers	+ 85%
Electric vehicles	+25%
Rural	+20%
Low income groups	<b>+ 15%*</b>
Age 30-44	+ 15%
Aged 60 plus	<b>+10%*</b>
Experienced NO planned or unplanned power cuts	+10%
Vulnerable customers ( <i>average high, medium &amp; low dependency</i> )	<b>+ 10*%</b>
Off gas network	+ 5%

\* Figures adjusted to reflect income

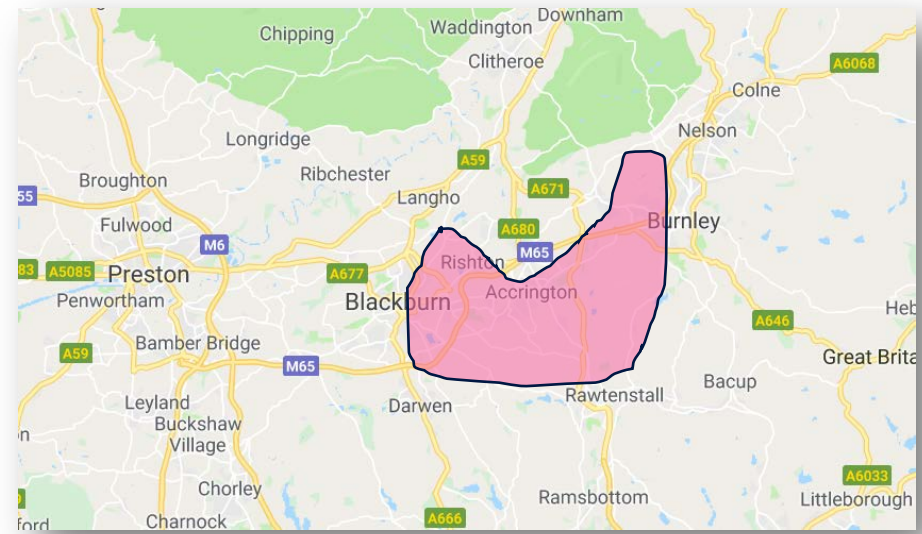
# Business customers with higher VoLL (established from previous research)



Small/medium business customers	% variation of average (rounded to 0.05)
Have experienced 4 or more <b>unplanned</b> power cuts	+60%
Rural	+40%
Off gas network	+5%



1. The **number of properties** affected e.g. 20,000 properties affected
2. The **number of miles radius** affected e.g. a 5 mile radius from the centre of Chorley
3. The geographical locations (your **village, town or county names**) e.g. large parts of Wigan, St Helens and Leigh
4. The **distance to drive** before you reach and area where the power is on e.g. 20 minutes drive from here.
5. The area **shown on a map** e.g. as shown on right



# Attributes and levels



Length of interruption	20 mins	1 hour	4 hours	6 hours	12 hours	24 hours	3 days
Scale of interruption	My road	My immediate neighbourhood	My entire town / area	The whole region/city	The whole of the North West		
Frequency of interruption	Once every three years	Once per year	Three times per year				

# Example of trade off exercise



Which of these situations would be the WORST for you, and which would be the LEAST BAD?

Definition	Option A	Option B	Option C
<i>Length of interruption</i>	3 days	1 hour	4 hours
<i>Scale of interruption</i>	My road	My immediate neighbourhood	The whole region
<i>Frequency of interruption</i>	Once every three years	Three times per year	Once per year
<i>Select the WORST option:</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>Select the LEAST BAD option:</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Example:



10 hour LV feeder fault occurring once every five years, over a period of 40 years



Two LV feeders, both supplying 50 homes

Old VoLL

New VoLL



Urban

X 30



Low use

X 20

£ 72,000

£ 66,000



Rural

X 15



Fuel Poor

X 20



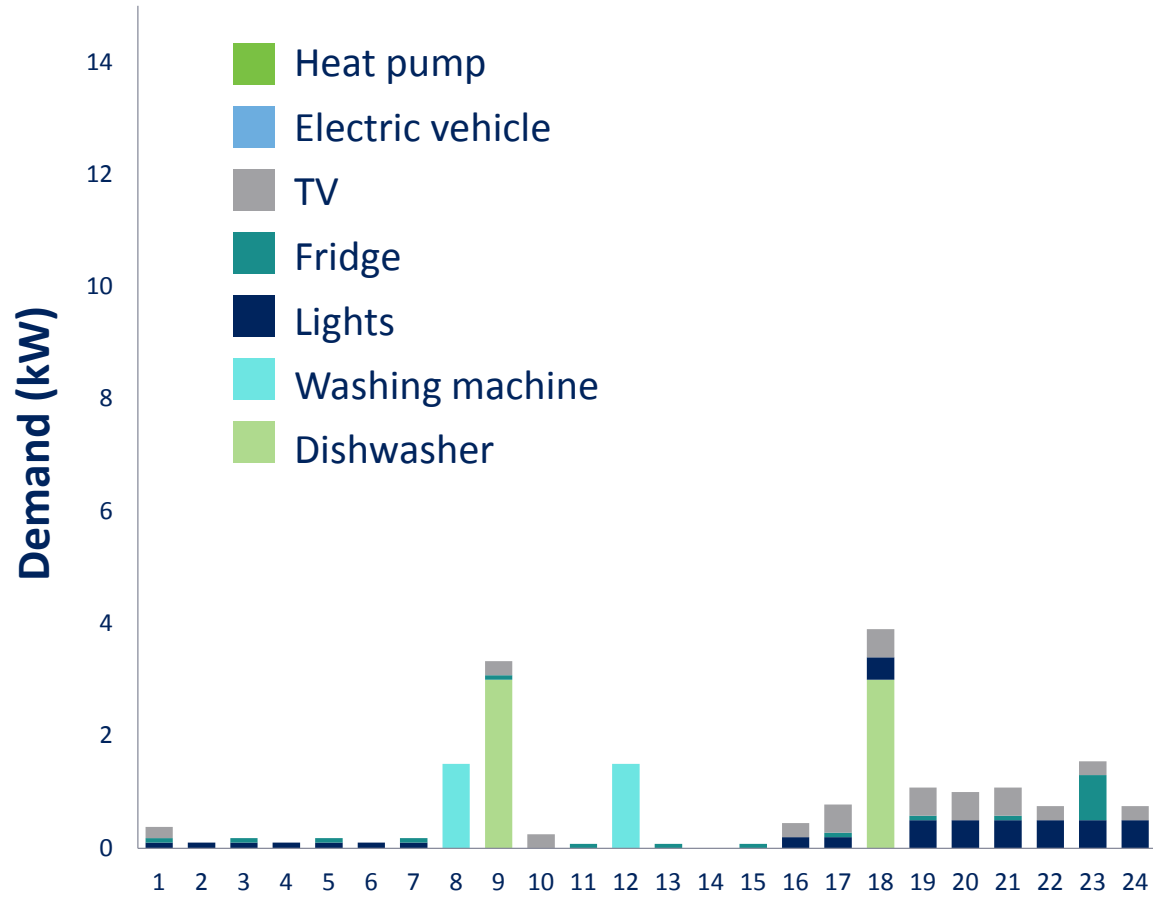
X 15

£ 72,000

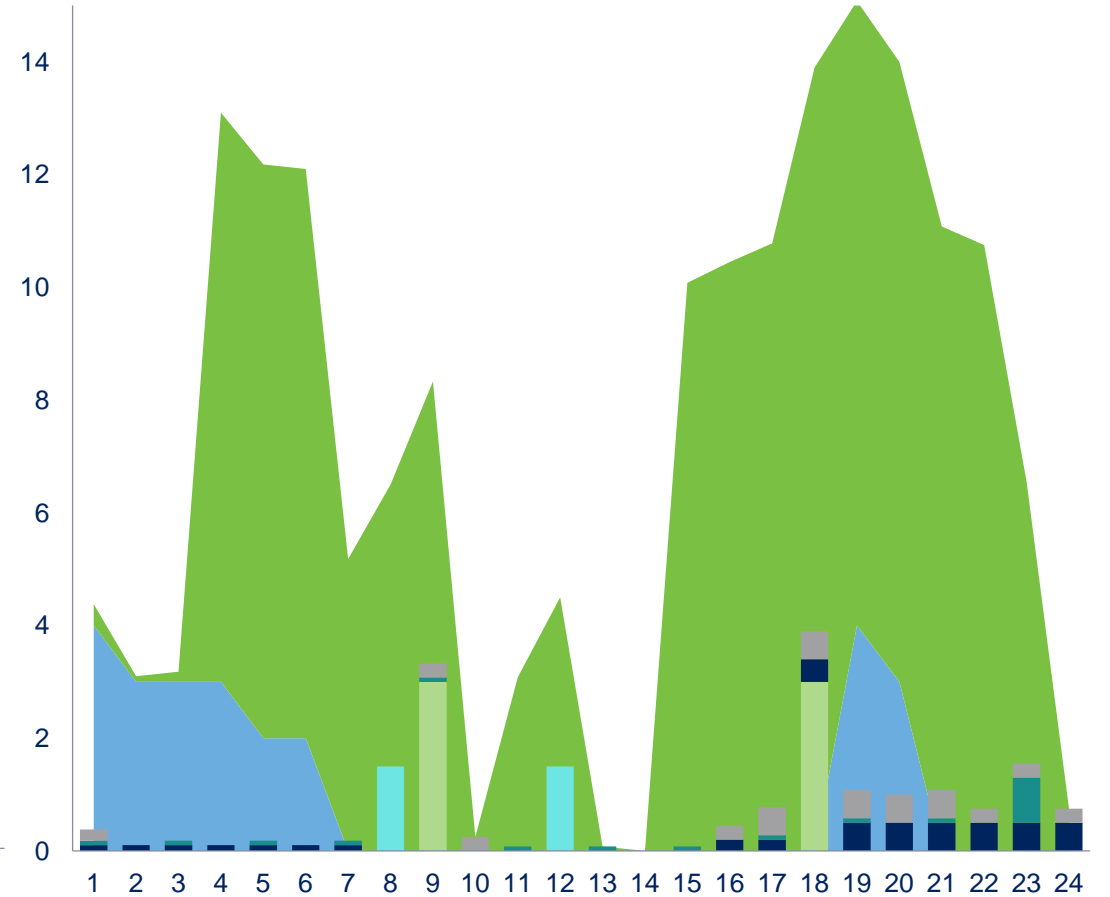
£ 106,000



## 2012



## 2025



Time of day

# Additional bill payments per year



Price	
1	£0 per year
2	£2 per year
3	£4 per year
4	£6 per year
5	£8 per year
6	£10 per year
7	£12 per year
8	£14 per year
9	£16 per year
10	£18 per year
11	£20 per year