

Mod 0678 Amendments to Gas Transmission Charging Regime

0678 Workgroup Report, Issue Reference 4.15 DN
Impacts



Workgroup Report: 4.15 GDN Impacts

As per section 4.15 of the Workgroup Report, these slides help provide GDN's: *'Analysis, observations and concerns on potential charge changes.'*

Key assumptions:

- The Sensitivity Tool provided by National Grid (published on the Joint Office website) has been utilised to perform the analysis
- GDN's have used best endeavours to accurately reflect GDN exit capacity charges under the various scenarios (0678 modifications)
- The impacts shown reflect the charging year March to April

Impact on Cadent Networks

- The tables below demonstrate the bill impact when comparing **Mod 0678 (CWD approach)** with the current charging regime (rates published by National Grid in May 2018).
- The networks absorb the NTS price change within the relevant Formulae Year (Mar– Apr) as shown by the exit capacity cost impact.
- We then assume these to be pass through, where the supplier passes costs to the customer. This impacts customers 2 years later as per the current regulatory regime.

EAST OF ENGLAND								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	1.41	1.79
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	19.35	24.61
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	128.58	166.36
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	1,685.48	2,132.19
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	2.26	2.87
EXIT CAPACITY COST IMPACT	£m	-	-	-	0.24	7.51	8.86	3.10

LONDON								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(0.36)	(0.58)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(4.03)	(6.53)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(31.34)	(50.96)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(282.17)	(461.57)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(0.52)	(0.84)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(2.06)	0.09	1.16	(2.02)

NORTH WEST								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(5.56)	(7.79)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(75.25)	(106.28)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(546.51)	(773.73)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(8,969.66)	(12,642.67)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(8.92)	(12.54)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(9.60)	(13.45)	(13.16)	(18.62)

WEST MIDLANDS								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(3.96)	(5.50)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(54.07)	(75.20)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(377.44)	(528.03)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(3,883.21)	(5,345.59)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(6.04)	(8.39)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(5.12)	(6.78)	(6.09)	(8.86)

Impact on Cadent Networks

- The below tables illustrate the impacts when comparing **Mod 0678A (Postage Stamp approach)** with the current charging regime

EAST OF ENGLAND								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	3.22	4.27
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	44.05	58.68
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	292.69	396.71
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	3,836.72	5,084.64
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	5.15	6.86
EXIT CAPACITY COST IMPACT	£m	-	-	-	3.7	14.8	16.6	11.0

LONDON								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	0.31	0.32
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	3.44	3.64
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	26.76	28.41
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	240.97	257.35
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	0.44	0.47
EXIT CAPACITY COST IMPACT	£m	-	-	-	(1.4)	1.5	2.6	(0.6)

NORTH WEST								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(5.45)	(7.64)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(73.83)	(104.22)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(536.22)	(758.71)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(8,800.63)	(12,397.14)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(8.75)	(12.30)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(9.5)	(13.2)	(12.8)	(18.3)

WEST MIDLANDS								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(2.37)	(3.33)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(32.34)	(45.58)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(225.79)	(320.02)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(2,322.98)	(3,239.81)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(3.61)	(5.09)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(3.6)	(3.7)	(3.0)	(5.8)

Impact on Cadent Networks

- The below tables illustrate the impacts when comparing **Mod 0678E** (where a 80% discount is applied for storage sites) with the current charging regime

EAST OF ENGLAND								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	1.58	2.01
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	21.56	27.65
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	143.26	186.90
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	1,877.95	2,395.46
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	2.52	3.23
EXIT CAPACITY COST IMPACT	£m	-	-	-	0.5	8.2	9.6	3.8

LONDON								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(0.16)	(0.31)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(1.86)	(3.55)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(14.44)	(27.67)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(130.01)	(250.63)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(0.24)	(0.46)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(1.9)	0.5	1.6	(1.6)

NORTH WEST								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(5.37)	(7.54)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(72.72)	(102.79)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(528.15)	(748.36)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(8,668.32)	(12,228.06)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(8.62)	(12.13)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(9.4)	(12.9)	(12.6)	(18.1)

WEST MIDLANDS								
ILLUSTRATIVE COST IMPACT - YEAR ENDING 31ST MARCH	UNIT	2017	2018	2019	2020	2021	2022	2023
0 - 73,200 KWH (DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(3.82)	(5.30)
73,200 - 732,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(52.17)	(72.48)
732,000 - 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(364.19)	(508.90)
> 5,861,000 KWH (NON DOMESTIC)	£ PER ANNUM	-	-	-	-	-	(3,746.82)	(5,151.96)
COST PER CUSTOMER (AVERAGE)	£ PER ANNUM	-	-	-	-	-	(5.83)	(8.09)
EXIT CAPACITY COST IMPACT	£m	-	-	-	(5.0)	(6.5)	(5.8)	(8.5)

Assumptions

- Analysis carried out on MOD 678 CWD and MOD 678 Postage Stamp
- Analysis assumes October 2018 WWU capacity bookings throughout
- Based on latest available prices from NTS to 21/22 and assumed to continue at same rates thereafter.
- Illustrative guide below for impact on customer bills for a range of end customers. An average unit ECN rate across LDZs has been used
- £ Nominal Prices throughout



Impact on GDN Allowances, costs and income

MOD 678 Capacity Weighted Distance

	19/20	20/21	21/22	22/23	23/24	24/25
Base Allowances	46.60	32.32	37.74	38.44	39.14	39.79
Cost true up	13.59	- 14.34	- 22.86	2.86	-	-
Correction factor	- 2.52	9.73	9.10	-	-	-
Allowed revenue	57.67	27.70	23.98	41.30	39.14	39.79

Base Allowances
Cost true up
Correction factor
Allowed revenue

MOD 678 Postage Stamp

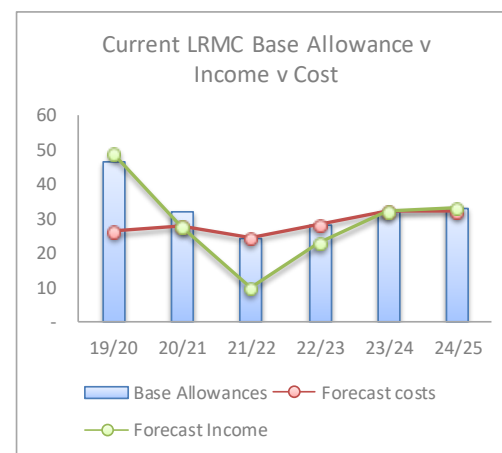
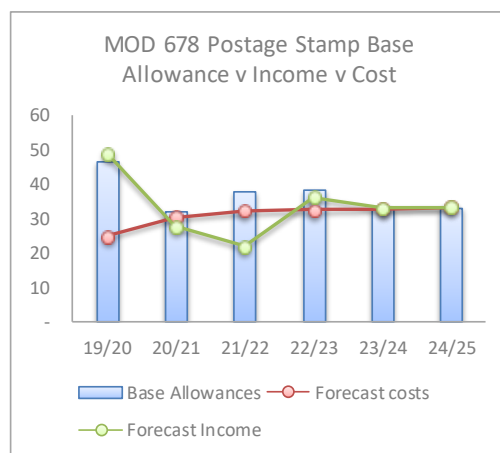
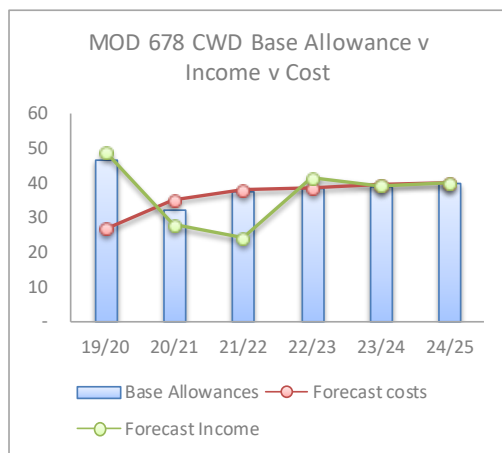
	19/20	20/21	21/22	22/23	23/24	24/25
Base Allowances	46.60	32.32	37.74	38.44	32.92	33.23
Cost true up	13.59	- 14.34	- 25.01	2.40	-	-
Correction factor	- 2.52	9.73	9.10	-	-	-
Allowed revenue	57.67	27.70	21.83	36.04	32.92	33.23

Base Allowances
Forecast costs
Forecast Income

Current LRMC regime

	19/20	20/21	21/22	22/23	23/24	24/25
Base Allowances	46.60	32.32	24.34	28.13	31.94	32.89
Cost true up	13.59	- 14.34	- 23.69	5.48	-	-
Correction factor	- 2.52	9.73	9.10	-	-	-
Allowed revenue	57.67	27.70	9.75	22.65	31.94	32.89

Base Allowances
Forecast costs
Forecast Income



Customer bill impact

- The tables below show the impact of MOD 678 CWD and the MOD 678 postage stamp on a range of customers. Figures contained in the table reflect the movement from current regime to MOD 678 CWD and MOD 678 Postage Stamp

Current regime v MOD 678 CWD	2020/21	2021/22	2022/23	2023/24	2024/25
Domestic	£0.00	£3.10	£4.10	£1.60	£1.55
Small school	£0.00	£128.80	£170.57	£66.36	£64.31
Big School	£0.00	£500.45	£662.74	£257.84	£249.87
Hospital	£0.00	£15,567.15	£20,615.36	£8,020.53	£7,772.45
Power Station	£0.00	£1,073,559.61	£1,421,700.03	£553,120.98	£536,012.36

Current regime v Postage Stamp	2020/21	2021/22	2022/23	2023/24	2024/25
Domestic	£0.00	£2.63	£2.94	£0.22	£0.08
Small school	£0.00	£109.35	£122.43	£9.02	£3.18
Big School	£0.00	£424.86	£475.69	£35.05	£12.35
Hospital	£0.00	£13,215.94	£14,797.12	£1,090.36	£384.08
Power Station	£0.00	£911,412.61	£1,020,455.80	£75,194.92	£26,487.09





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UNC 0678 and Alternative Proposals – Cost and Customer Bill Analysis

Scotland		0678	0678A	0678B	0678C	0678D	0678E	0678F	0678G	0678H	0678I	0678J
		CWD	PS	CWD	PS	CWD	CWD	CWD	CWD	PS	CWD	PS
		N Grid	RWE	Centrica	SSE	ENI	Gateway LNG	Storengy UK	Vitol SA Geneva	EP UK Investments	Gazprom	South Hook Gas
Cost Forecast £m	2018/19	£0.2	£0.2	-	-	-	-	-	-	-	-	-
	2019/20	£14	£10	-	-	-	-	-	-	-	-	-
	2020/21	£29	£22	-	-	-	-	-	-	-	-	-
	2021/22	£31	£24	-	-	-	-	-	-	-	-	-
	2022/23	£31	£24	-	-	-	-	-	-	-	-	-
	2023/24	£32	£24	-	-	-	-	-	-	-	-	-
Cost to Allowance Variance £m	2018/19	£0	£0	-	-	-	-	-	-	-	-	-
	2019/20	£14	£10	-	-	-	-	-	-	-	-	-
	2020/21	£29	£22	-	-	-	-	-	-	-	-	-
	2021/22	£0	£0	-	-	-	-	-	-	-	-	-
	2022/23	£0	£0	-	-	-	-	-	-	-	-	-
	2023/24	£0	£0	-	-	-	-	-	-	-	-	-
<i>Assumes reset of allowances in GD2</i>												
Allowed Revenue to be recovered £m	2018/19	£0.3	£0.3	-	-	-	-	-	-	-	-	-
	2019/20	£0.2	£0.2	-	-	-	-	-	-	-	-	-
	2020/21	£0.2	£0.2	-	-	-	-	-	-	-	-	-
	2021/22	£45	£34	-	-	-	-	-	-	-	-	-
	2022/23	£60	£46	-	-	-	-	-	-	-	-	-
	2023/24	£32	£24	-	-	-	-	-	-	-	-	-
£'s Average Customer Bill												
£'s (0 - 73.2 Kwh)	2020/21	£0.04	£0.04	-	-	-	-	-	-	-	-	-
	2021/22	£13	£10	-	-	-	-	-	-	-	-	-
	2022/23	£18	£14	-	-	-	-	-	-	-	-	-
	2023/24	£9	£7	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 113 (Kwh)</i>											
£'s (73.2 - 732 Kwh)	2020/21	£1	£1	-	-	-	-	-	-	-	-	-
	2021/22	£179	£138	-	-	-	-	-	-	-	-	-
	2022/23	£242	£187	-	-	-	-	-	-	-	-	-
	2023/24	£126	£98	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 1,529 (Kwh)</i>											
£'s (732 - 5,861 Kwh)	2020/21	£4	£4	-	-	-	-	-	-	-	-	-
	2021/22	£1,314	£1,010	-	-	-	-	-	-	-	-	-
	2022/23	£1,774	£1,370	-	-	-	-	-	-	-	-	-
	2023/24	£927	£723	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 11,231 (Kwh)</i>											
£'s (> 5,861 Kwh)	2020/21	£69	£69	-	-	-	-	-	-	-	-	-
	2021/22	£22,264	£17,124	-	-	-	-	-	-	-	-	-
	2022/23	£30,062	£23,220	-	-	-	-	-	-	-	-	-
	2023/24	£15,717	£12,244	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 190,323 (Kwh)</i>											
£'s (Large User)	2020/21	£548	£548	-	-	-	-	-	-	-	-	-
	2021/22	£175,474	£134,959	-	-	-	-	-	-	-	-	-
	2022/23	£237,580	£183,503	-	-	-	-	-	-	-	-	-
	2023/24	£123,872	£96,497	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 1,500,000 (Kwh)</i>											



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UNC 0678 and Alternative Proposals – Cost and Customer Bill Analysis

Southern		0678	0678A	0678B	0678C	0678D	0678E	0678F	0678G	0678H	0678I	0678J
		CWD	PS	CWD	PS	CWD	CWD	CWD	CWD	PS	CWD	PS
		N Grid	RWE	Centrica	SSE	ENI	Gateway LNG	Storengy UK	Vitol SA Geneva	EP UK Investments	Gazprom	South Hook Gas
Cost Forecast £m	2018/19	£48	£48	-	-	-	-	-	-	-	-	-
	2019/20	£46	£44	-	-	-	-	-	-	-	-	-
	2020/21	£54	£49	-	-	-	-	-	-	-	-	-
	2021/22	£59	£52	-	-	-	-	-	-	-	-	-
	2022/23	£60	£53	-	-	-	-	-	-	-	-	-
	2023/24	£61	£54	-	-	-	-	-	-	-	-	-
Cost to Allowance Variance £m	2018/19	-£14	-£14	-	-	-	-	-	-	-	-	-
	2019/20	-£17	-£20	-	-	-	-	-	-	-	-	-
	2020/21	-£11	-£16	-	-	-	-	-	-	-	-	-
	2021/22	£0	£0	-	-	-	-	-	-	-	-	-
	2022/23	£0	£0	-	-	-	-	-	-	-	-	-
	2023/24	£0	£0	-	-	-	-	-	-	-	-	-
<i>Assumes reset of allowances in GD2</i>												
Allowed Revenue to be recovered £m	2018/19	£62	£62	-	-	-	-	-	-	-	-	-
	2019/20	£66	£66	-	-	-	-	-	-	-	-	-
	2020/21	£52	£52	-	-	-	-	-	-	-	-	-
	2021/22	£41	£33	-	-	-	-	-	-	-	-	-
	2022/23	£49	£37	-	-	-	-	-	-	-	-	-
	2023/24	£61	£54	-	-	-	-	-	-	-	-	-
£'s Average Customer Bill												
£'s (0 - 73.2 Kwh)	2020/21	£8	£8	-	-	-	-	-	-	-	-	-
	2021/22	£6	£5	-	-	-	-	-	-	-	-	-
	2022/23	£8	£6	-	-	-	-	-	-	-	-	-
	2023/24	£10	£9	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 132 (Kwh)</i>											
£'s (73.2 - 732 Kwh)	2020/21	£98	£99	-	-	-	-	-	-	-	-	-
	2021/22	£78	£62	-	-	-	-	-	-	-	-	-
	2022/23	£93	£72	-	-	-	-	-	-	-	-	-
	2023/24	£114	£103	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 1,583 (Kwh)</i>											
£'s (732 - 5,861 Kwh)	2020/21	£772	£784	-	-	-	-	-	-	-	-	-
	2021/22	£614	£493	-	-	-	-	-	-	-	-	-
	2022/23	£737	£566	-	-	-	-	-	-	-	-	-
	2023/24	£906	£815	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 12,530 (Kwh)</i>											
£'s (> 5,861 Kwh)	2020/21	£9,418	£9,571	-	-	-	-	-	-	-	-	-
	2021/22	£7,493	£6,014	-	-	-	-	-	-	-	-	-
	2022/23	£8,999	£6,907	-	-	-	-	-	-	-	-	-
	2023/24	£11,050	£9,948	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 152,905 (Kwh)</i>											
£'s (Large User)	2020/21	£92,391	£93,896	-	-	-	-	-	-	-	-	-
	2021/22	£73,502	£58,993	-	-	-	-	-	-	-	-	-
	2022/23	£88,526	£67,939	-	-	-	-	-	-	-	-	-
	2023/24	£108,405	£97,592	-	-	-	-	-	-	-	-	-
	<i>Average SOQ 1,500,000 (Kwh)</i>											

NGN Mod678 Exit Capacity Analysis

Jon Trapps; Pricing Manager

21 March 2019

**we are
the network**

UNC Modification Proposal 0678 and Alternative Proposals : NGN

£m cost increase

19/20
20/21
21/22
22/23
23/24
24/25
25/26

Mod 621 : What we said last yr		
"As-is" F'Cast £m	621 £m	Increase in Costs £m
9.2	11.1	1.9
8.4	19.4	11.0
1.4	25.2	23.8
1.4	30.7	29.3
1.4	30.7	29.3
1.4	30.7	29.3
1.4	30.7	29.3

Mod 0678 NTS : CWD			
Latest "As-is" F'Cast £m	678 £m	Gap vs. 621	Gap vs. latest "As-Is" F'Cast
7.7	14.3	3.2	6.6
8.3	26.8	7.4	18.6
8.7	28.3	3.1	19.7
13.2	28.8	(1.9)	15.6
13.2	28.9	(1.8)	15.7
13.2	28.8	(1.9)	15.6
13.2	28.8	(1.9)	15.6

Mod 0678A RWE : Postage Stamp			
Latest "As-is" F'Cast £m	678 A £m	Gap vs. 621	Gap vs. latest "As-Is" F'Cast
7.7	16.0	4.9	8.4
8.3	30.7	11.3	22.5
8.7	32.9	7.7	24.2
13.2	33.6	2.9	20.3
13.2	33.7	3.0	20.5
13.2	33.6	2.9	20.4
13.2	33.6	2.9	20.4

* "Latest As-Is" Forecast for 678 analysis represents current NGN bookings applied with latest published long term NTS prices from May 2018

£m cash flow gap movement (deficit)/surplus

19/20
20/21
21/22
22/23
23/24
24/25
25/26

Mod 621 : What we said last yr		
"As-is" F'Cast £m	621 £m	Cash Flow Impact £m
(1.3)	(3.2)	(1.9)
(4.9)	(15.9)	(11.0)
(3.1)	(0.9)	2.1
(4.4)	8.2	12.6
-	-	-
-	-	-
-	-	-

Mod 0678 NTS : CWD			
Latest "As-is" F'Cast £m	678 £m	Gap vs. 621	Gap vs. latest "As-Is" F'Cast
0.2	(6.5)	(3.3)	(6.6)
(4.7)	(23.3)	(7.4)	(18.6)
(4.7)	2.8	3.7	7.5
(4.4)	16.0	7.8	20.3
-	-	-	-
-	-	-	-
-	-	-	-

Mod 0678A RWE : Postage Stamp			
Latest "As-is" F'Cast £m	678 A £m	Gap vs. 621	Gap vs. latest "As-Is" F'Cast
0.2	(8.2)	(5.0)	(8.4)
(4.7)	(27.2)	(11.3)	(22.5)
(4.7)	4.7	5.6	9.4
(4.4)	20.2	12.0	24.6
-	-	-	-
-	-	-	-
-	-	-	-

* assumes same 2 year lag mechanism continues into GD2

Customer Bill Impact - Domestic

19/20
20/21
21/22
22/23
23/24
24/25
25/26

Mod 621 : What we said last yr		
"As-is" F'Cast £	621 £	Increase in Bill £
1.8	1.8	-
0.8	0.8	-
(0.4)	5.4	5.8
(0.7)	8.7	9.4
0.3	6.9	6.5
0.3	6.9	6.5
0.3	6.9	6.6

Mod 0678 NTS : CWD			
Latest "As-is" F'Cast £	678 £	Gap vs. 621	Gap vs. latest "As-Is" F'Cast
1.8	1.8	(0.0)	-
0.8	0.8	0.0	-
0.9	7.0	1.5	6.1
2.0	10.0	1.3	8.0
3.0	6.5	(0.4)	3.5
3.0	6.4	(0.4)	3.5
3.0	6.5	(0.4)	3.5

Mod 0678A RWE : Postage Stamp			
Latest "As-is" F'Cast £	678 A £	Gap vs. 621	Gap vs. latest "As-Is" F'Cast
1.8	1.8	(0.0)	-
0.8	0.8	0.0	-
0.9	8.4	3.0	7.5
2.0	12.0	3.3	10.1
3.0	7.5	0.7	4.6
3.0	7.5	0.6	4.6
3.0	7.5	0.6	4.6

* based on AQ of 13,894 Kwh

* Alternates 678B to 678J have not been analysed as the sensitivity tool is not available at the current time to support each alternate

UNC Modification Proposal 0678 and Alternative Proposals - Customer Bill Impact : NGN

Domestic (0 - 73.2 Kwh)

21/22
22/23
23/24
24/25
25/26

621 : What we said last yr		
"As-is" F'Cast £	621 £	Increase in Bill £
(0.4)	5.4	5.8
(0.7)	8.7	9.4
0.3	6.9	6.5
0.3	6.9	6.5
0.3	6.9	6.6

Mod 0678 NTS : CWD			
Latest "As-is" FC £	678 £	Gap vs. 621	Gap vs. latest "As-Is"
0.9	7.0	1.5	6.1
2.0	10.0	1.3	8.0
3.0	6.5	(0.4)	3.5
3.0	6.4	(0.4)	3.5
3.0	6.5	(0.4)	3.5

Mod 0678A RWE : Postage Stamp			
Latest "As-is" FC	678 A £	Gap vs. 621	Gap vs. latest "As-Is"
0.9	8.4	3.0	7.5
2.0	12.0	3.3	10.1
3.0	7.5	0.7	4.6
3.0	7.5	0.6	4.6
3.0	7.5	0.6	4.6

* based on average AQ of 13,894 Kwh in this band and average NGN network unit rates

Industrial (73.2 - 732 Kwh)

21/22
22/23
23/24
24/25
25/26

621 : What we said last yr		
"As-is" F'Cast £	621 £	Increase in Bill £
(5)	76	81
(9)	121	130
4	95	91
4	95	91
4	96	91

Mod 0678 NTS : CWD			
Latest "As-is" FC £	678 £	Gap vs. 621	Gap vs. latest "As-Is"
12	97	21	85
27	139	18	112
41	90	(6)	49
41	90	(6)	49
41	90	(6)	49

Mod 0678A RWE : Postage Stamp			
Latest "As-is" FC	678 A £	Gap vs. 621	Gap vs. latest "As-Is" FC
12	117	41	105
27	167	46	140
41	105	9	64
41	104	9	63
41	105	9	64

* based on average AQ of 192,204 Kwh in this band and average NGN network unit rates

Industrial (732 - 5861 Kwh)

21/22
22/23
23/24
24/25
25/26

621 : What we said last yr		
"As-is" F'Cast £	621 £	Increase in Bill £
(42)	618	661
(76)	990	1,066
36	780	744
36	780	744
36	781	745

Mod 0678 NTS : CWD			
Latest "As-is" FC £	678 £	Gap vs. 621	Gap vs. latest "As-Is"
100	791	173	691
225	1,138	148	913
336	734	(46)	398
336	732	(48)	397
336	733	(48)	398

Mod 0678A RWE : Postage Stamp			
Latest "As-is" FC	678 A £	Gap vs. 621	Gap vs. latest "As-Is" FC
100	956	337	855
225	1,367	378	1,143
336	857	76	521
336	854	74	518
336	855	74	519

* based on average AQ of 1,721,966 Kwh in this band and average NGN network unit rates

Industrial (> 5861 Kwh)

21/22
22/23
23/24
24/25
25/26

621 : What we said last yr		
"As-is" F'Cast £	621 £	Increase in Bill £
(615)	8,959	9,574
(1,102)	14,342	15,444
520	11,308	10,788
520	11,308	10,788
520	11,323	10,804

Mod 0678 NTS : CWD			
Latest "As-is" FC £	678 £	Gap vs. 621	Gap vs. latest "As-Is"
1,453	11,463	2,504	10,011
3,257	16,485	2,143	13,228
4,868	10,639	(668)	5,771
4,868	10,614	(693)	5,746
4,868	10,629	(694)	5,761

Mod 0678A RWE : Postage Stamp			
Latest "As-is" FC	678 A £	Gap vs. 621	Gap vs. latest "As-Is" FC
1,453	13,849	4,890	12,396
3,257	19,817	5,475	16,559
4,868	12,413	1,105	7,545
4,868	12,375	1,067	7,507
4,868	12,392	1,069	7,524

* based on average AQ of 33,617,928 Kwh in this band and average NGN network unit rates

* Alternates 678B to 678J have not been analysed as the sensitivity tool is not available at the current time to support each alternate