

Gas Networks Ireland Transmssion Short Term Capacity Examples 2020/21 (1st October'20 to 30th September'21)

Time Periods

Daily	365
Monthly	12
Quarterly	4
Annual	1

2020/21 Capacity Tariffs

Entry Points:

Inch Production Entry	€119.0210 per MWh
Moffat Entry	€314.8096 per MWh
Bellanaboy Entry	€629.9929 per MWh
Biogas Entry	€106.2392 per MWh
Gormanston VRF Entry	€76.1512 per MWh

Exit Points:

Onshore Exit	€407.6338 per MWh
Gormanston Exit	€385.3663 per MWh
Moffat VRF Exit	€270.8572 per MWh

Multipliers

Quarter	Months	Quarterly	Monthly	Daily	VRF Daily
Q4	October		12.808349%	0.640418%	0.229180%
	November	38.425047%	12.808349%	0.640418%	0.229180%
	December		17.077799%	1.138520%	0.407432%
Q1	January		29.886148%	1.992410%	0.713005%
	February	80.692600%	34.155598%	2.277040%	0.814863%
	March		25.616698%	1.707780%	0.611147%
Q2	April		12.808349%	0.640418%	0.229180%
	May	13.269450%	0.967742%	0.048387%	0.017316%
	June		0.967742%	0.048387%	0.017316%
Q3	July		0.967742%	0.048387%	0.017316%
	August	2.612903%	0.967742%	0.048387%	0.017316%
	September		0.967742%	0.048387%	0.017316%

NOTE: Quarterly, Monthly & Daily multiplier percentages have been rounded to 6 decimal places

Quarter	Months	Inch	Inch	Inch	Moffat Entry	Moffat Entry	Moffat Entry
		Production Entry Quarterly	Production Entry Monthly	Production Entry Daily	Quarterly	Monthly	Daily
		€/peak day MWh	€/peak day MWh	€/peak day MWh	€/peak day MWh	€/peak day MWh	€/peak day MWh
Q4	October		15.244627	0.762232		40.321917	2.016098
	November	45.733882	15.244627	0.762232	120.965752	40.321917	2.016098
	December		20.326170	1.355078		53.762558	3.584171
Q1	January		35.570797	2.371387		94.084475	6.272299
	February	96.041154	40.652340	2.710156	254.028084	107.525115	7.168341
	March		30.489255	2.032617		80.643835	5.376256
Q2	April		15.244627	0.762232		40.321917	2.016098
	May	15.793434	1.151816	0.057591	41.773508	3.046545	0.152327
	June		1.151816	0.057591		3.046545	0.152327
Q3	July		1.151816	0.057591		3.046545	0.152327
	August	3.109904	1.151816	0.057591	8.225671	3.046545	0.152327
	September		1.151816	0.057591		3.046545	0.152327

Quarter	Months	Bellanaboy	Bellanaboy	Bellanaboy	Biogas Entry	Biogas Entry	Biogas Entry
		Entry Quarterly	Entry Monthly	Entry Daily	Quarterly	Monthly	Daily
		€/peak day MWh	€/peak day MWh	€/peak day MWh	€/peak day MWh	€/peak day MWh	€/peak day MWh
Q4	October		80.691688	4.034588		13.607481	0.680375
	November	242.075063	80.691688	4.034588	40.822444	13.607481	0.680375
	December		107.588919	7.172595		18.143309	1.209554
Q1	January		188.280607	12.552041		31.750790	2.116719
	February	508.357641	215.177838	14.345190	85.727133	36.286617	2.419108
	March		161.383376	10.758893		27.214963	1.814331
Q2	April		80.691688	4.034588		13.607481	0.680375
	May	83.596591	6.096706	0.304835	14.097351	1.028121	0.051406
	June		6.096706	0.304835		1.028121	0.051406
Q3	July		6.096706	0.304835		1.028121	0.051406
	August	16.461103	6.096706	0.304835	2.775926	1.028121	0.051406
	September		6.096706	0.304835		1.028121	0.051406

Quarter	Months	Exit Quarterly	Exit Monthly	Exit Daily	Gormanston	Gormanston	Gormanston
		€/peak day MWh	€/peak day MWh	€/peak day MWh	Exit Quarterly	Exit Monthly	Exit Daily
Q4	October		52.211164	2.610560		49.359056	2.467955
	November	156.633493	52.211164	2.610560	148.077169	49.359056	2.467955
	December		69.614887	4.640993		65.812076	4.387472
Q1	January		121.826052	8.121737		115.171133	7.678076
	February	328.930341	139.229774	9.281986	310.962059	131.624153	8.774944
	March		104.422329	6.961489		98.718113	6.581208
Q2	April		52.211164	2.610560		49.359056	2.467955
	May	54.090768	3.944844	0.197242	51.135984	3.729351	0.186467
	June		3.944844	0.197242		3.729351	0.186467
Q3	July		3.944844	0.197242		3.729351	0.186467
	August	10.651077	3.944844	0.197242	10.069247	3.729351	0.186467
	September		3.944844	0.197242		3.729351	0.186467

Months	Moffat VRF	Gormanston
	Exit Daily	VRF Entry
	€/peak day MWh	€/peak day MWh
October	0.620751	0.174523
November	0.620751	0.174523
December	1.103559	0.310265
January	1.931226	0.542962
February	2.207115	0.620528
March	1.655336	0.465396
April	0.620751	0.174523
May	0.046902	0.013186
June	0.046902	0.013186
July	0.046902	0.013186
August	0.046902	0.013186
September	0.046902	0.013186

Example 1

How much are daily and monthly Exit and Moffat Entry Capacity charges in the period Oct'20-Sep'21

(a) How much does a MWh of short term Exit capacity cost for the month of January?

$$€407.6338 * 29.8861\% = €121.83 \text{ per MWh}$$

(b) How much does a MWh of short term Moffat Entry capacity cost for the month of June?

$$€314.8096 * 0.9677\% = €3.05 \text{ per MWh}$$

(c) How much does a MWh of short term Exit capacity cost for a day in January?

$$€407.6338 * 1.9924\% = €8.12 \text{ per MWh}$$

(d) How much does a MWh of short term Moffat Entry capacity cost for a day in June?

$$€314.8096 * 0.0484\% = €0.15 \text{ per MWh}$$

Example 2

Should I book Monthly or Daily Short Term Firm Exit Capacity?

If a shipper needs 21 days of short term Exit capacity during October then it would cost €54.8218 per MWh (€2.6106 per MWh x 21 days) and the Shipper would be better off booking the whole month of October at a cost of €52.211 per MWh.

But if a shipper needs 19 days of short term Exit capacity during October then it would cost €49.6006 per MWh (€2.6106 per MWh x 19 days) and the Shipper would be better off booking 19 days rather than the monthly product.

Example 3

Should I book Monthly or Daily Short Term Firm Inch Production Entry Capacity?

If a shipper needs 16 days of short term Inch Production Entry capacity during February then it would cost €43.362 per MWh (€2.710 per MWh x 16 days) and the Shipper would be better off booking the whole month of February at a cost of €40.652 per MWh.

If a shipper needs 14 days of short term Inch Production Entry capacity during February then it would cost €37.942 per MWh (€2.710 per MWh x 14 days) and the Shipper would be better off booking the 14 days rather than the monthly product.