

Gas Networks Ireland Transmission Short Term Capacity Examples 2021/22 (1st October'21 to 30th September'22)

Time Periods

Daily	365
Monthly	12
Quarterly	4
Annual	1

2021/22 Capacity Tariffs

Entry Points:

Inch Production Entry	€117.1049 per MWh
Moffat Entry	€312.8935 per MWh
Bellanaboy Entry	€633.7555 per MWh
Biogas Entry	€104.3230 per MWh
Gormanston VRF Entry	€74.5800 per MWh

Exit Points:

Onshore Exit	€454.6970 per MWh
Gormanston Exit	€432.3998 per MWh
Moffat VRF Exit	€295.3147 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 Production Entry	Inch Production	Inch Production	Moffat Entry	Moffat Entry	Moffat 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		14.999198	0.749961		40.076489	2.003826
	November	44.997594	14.999198	0.749961	120.229466	40.076489	2.003826
	December		19.998931	1.333262		53.435319	3.562355
Q1	January		34.998129	2.333209		93.511808	6.234121
	February	94.494949	39.997862	2.666524	252.481883	106.870638	7.124710
	March		29.998396	1.999893		80.152977	5.343532
Q2	April		14.999198	0.749961		40.076489	2.003826
	May	15.539170	1.133273	0.056664	41.519244	3.028002	0.151400
	June		1.133273	0.056664		3.028002	0.151400
Q3	July		1.133273	0.056664		3.028002	0.151400
	August	3.059836	1.133273	0.056664	8.175603	3.028002	0.151400
	September		1.133273	0.056664		3.028002	0.151400

Quarter	Months	Bellanaboy Entry	Bellanaboy	Bellanaboy	Biogas Entry	Biogas Entry	Biogas 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		81.173615	4.058684		13.362052	0.668103
	November	243.520844	81.173615	4.058684	40.086156	13.362052	0.668103
	December		108.231488	7.215433		17.816070	1.187738
Q1	January		189.405103	12.627008		31.178122	2.078542
	February	511.393780	216.462976	14.430866	84.180929	35.632140	2.375476
	March		162.347229	10.823149		26.724104	1.781607
Q2	April		81.173615	4.058684		13.362052	0.668103
	May	84.095867	6.133118	0.306655	13.843086	1.009577	0.050479
	June		6.133118	0.306655		1.009577	0.050479
Q3	July		6.133118	0.306655		1.009577	0.050479
	August	16.559416	6.133118	0.306655	2.725858	1.009577	0.050479
	September		6.133118	0.306655		1.009577	0.050479

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		58.239182	2.911962		55.383274	2.769166
	November	174.717545	58.239182	2.911962	166.149822	55.383274	2.769166
	December		77.652244	5.176817		73.844367	4.922958
Q1	January		135.891426	9.059429		129.227641	8.615177
	February	366.906851	155.304488	10.353633	348.914632	147.688734	9.845916
	March		116.478364	7.765225		110.766548	7.384437
Q2	April		58.239182	2.911962		55.383274	2.769166
	May	60.335794	4.400294	0.220014	57.377074	4.184514	0.209225
	June		4.400294	0.220014		4.184514	0.209225
Q3	July		4.400294	0.220014		4.184514	0.209225
	August	11.880792	4.400294	0.220014	11.298187	4.184514	0.209225
	September		4.400294	0.220014		4.184514	0.209225

Months	Moffat VRF	Gormanston
	Exit Daily	VRF Entry
	€/peak day MWh	€/peak day MWh
October	0.676802	0.170922
November	0.676802	0.170922
December	1.203206	0.303863
January	2.105608	0.531759
February	2.406410	0.607725
March	1.804807	0.455793
April	0.676802	0.170922
May	0.051137	0.012914
June	0.051137	0.012914
July	0.051137	0.012914
August	0.051137	0.012914
September	0.051137	0.012914

Example 1

How much are daily and monthly Exit and Moffat Entry Capacity charges in the period Oct'21-Sep'22

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

$$€454.697 * 29.8861\% = €135.89 \text{ per MWh}$$

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

$$€312.8935 * 0.9677\% = €3.03 \text{ per MWh}$$

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

$$€454.697 * 1.9924\% = €9.06 \text{ per MWh}$$

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

$$€312.8935 * 0.0484\% = €0.15 \text{ per MWh}$$

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 €61.1512 per MWh (€2.9120 per MWh x 21 days) and the Shipper would be better off booking the whole month of October at a cost of €58.239 per MWh.

But if a shipper needs 19 days of short term Exit capacity during October then it would cost €55.3273 per MWh (€2.9120 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 €42.664 per MWh (€2.667 per MWh x 16 days) and the Shipper would be better off booking the whole month of February at a cost of €39.998 per MWh.

If a shipper needs 14 days of short term Inch Production Entry capacity during February then it would cost €37.331 per MWh (€2.667 per MWh x 14 days) and the Shipper would be better off booking the 14 days rather than the monthly product.