



Proposed 2014/2015 Generator Use of System (GTUoS) Tariffs

Version 1.0

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INTRODUCTION/BACKGROUND

This document outlines the proposed Generator Transmission Use of System (GTUoS) charges for both Ireland and Northern Ireland as calculated by the Transmission System Operators (TSOs) for the 2014/2015 tariff year.

GTUoS CALCULATION METHODOLOGY

The proposed charges are based upon the methodology as consulted on and approved by the Regulatory Authorities (RAs); the Commission for Energy Regulation (CER) in Ireland and the Utility Regulator in Northern Ireland

The methodology used to calculate the 2014/2015 tariffs is the same as that used for calculation of the 2013/2014 tariffs.

TOTAL REVENUE REQUIREMENT AND GTUoS

The revenue requirement is estimated annually by the respective TSOs and approved by the respective regulator in order to ensure recovery of all costs associated with the operation, development and planning of the transmission network in a particular tariff year. The 2014/2015 GTUoS tariffs are based on a revenue requirement of €67,741,953. The overall revenue requirement for GTUoS has reduced by 4.6% from the revenue requirement for 2013/2014 tariffs (€70,976,638). The main reason for this reduction in the GTUoS revenue requirement is a reduction in approved revenue for Northern Ireland revenue.

GTUoS tariffs account for the recovery of 25% of network costs with the remainder of the costs being recovered through suppliers/demand users. GTUoS is made up of postage stamp and locational components with the postage stamp portion accounting for 70% of the total GTUoS revenue and 30% for the locational element.

PROPOSED 2014/2015 TARIFFS

The table in Appendix 1 indicates the proposed tariffs for 2014/2015.

HEADLINE TRENDS

The following factors that vary year on year have a major impact on the locational tariffs:

- Required revenue that the tariffs need to collect (decreased by 4.6% in 2014/2015 compared to 2013/2014)
- Base case load flows (which is a function of network configuration and dispatch)
- The contribution of each generator to the direction of flows on each asset
- The cost of each asset in the GTUoS model

Some general trends and explanations on 2014/2015 tariffs include:

- On average the tariffs have decreased by 7% (which is linked to the reduction in required revenue)
- Tariffs for Northern Ireland generators have decreased significantly in 14/15 (on average by 30%). This is due to a change in the direction of flow on the Turleenan – Woodland circuit.

As per 2013/2014, the highest tariffs are in Area A (North West Ireland) and Area E (South West Ireland). This is consistent with the parts of network that have the largest amount of developments built/planned.

ANALYSIS OF TARIFFS

Max, Min and range

	14/15 tariffs	13/14 tariffs
Max tariff (€/kW)	€12.0629	€12.1025
Minimum tariff (€/kW)	€3.6197	€4.5759
Range (€/kW)	€8.4432	€7.5266
Postage stamp	€4.0693	€4.3830

The postage stamp part of the tariff has decreased (due to decreased revenue recovery and an increase in the generation assumed connected in 2014/2015).

How has the weighted average tariff changed from last year's tariffs?

Weighted average*	14/15	13/14	% difference
All-Island	€5.8133	€6.2614	-7%
Ireland average	€6.4313	€6.4882	-1%
Northern Ireland average	€3.9057	€5.5720	-30%

Weighted average = total GTUoS revenue / total chargeable MWs

On average, tariffs have decreased by 7% with Northern Ireland tariffs decreasing by a significantly greater degree (decrease of 30%) compared to Ireland tariffs (decrease of 1%).

CONTACT

If you have any comments or queries on the tariffs please contact either of the following by 31st July 2014:

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Appendix 1

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Ireland Transmission Connected Non-Wind						
Aghada / Longpoint	Aghada	AD1, AT1, AT2, AT4, AD2	959.00	959.00	€606.6083	€7.2793
Ardnacrusha	Ardnacrusha	AA1, AA2, AA3, AA4	86.00	86.00	€506.9167	€6.0830
Seal Rock	Aughinish	SK3, SK4	130.00	130.00	€530.5583	€6.3667
Irishtown	Dublin Bay Power	DB1	415.00	415.00	€441.9917	€5.3039
Cushaling	Edenderry Power	ED1	121.50	121.50	€535.9667	€6.4316
Cushaling	Edenderry Peaker	ED3, ED5	116.00	116.00	€535.9417	€6.4313
Cathleen's Fall	Erne	ER3, ER4	45.00	45.00	€759.6500	€9.1158
Cliff	Erne	ER1, ER2	20.00	20.00	€759.6500	€9.1158
Glanagow	Whitegen	WG1	445.00	445.00	€549.3167	€6.5918
Great Island 110kV	Great Island	GI1, GI2	108.00	108.00	€407.5583	€4.8907
Great Island 220kV	Great Island	GI3	108.00	108.00	€407.5583	€4.8907
Great Island 220kV	Great Island	GI4	431.00	431.00	€452.7000	€5.4324
Huntstown	Huntstown 1	HNC	352.00	352.00	€452.1250	€5.4255
Corduff	Huntstown 2	HN2	412.00	412.00	€452.7000	€5.4324
Lanesboro	Lough Ree Power	LR4	94.00	94.00	€422.4417	€5.0693
Carrigadrohid	Lee	LE3	8.00	8.00	€615.9000	€7.3908
Inniscarra	Lee	LE1, LE2	19.00	19.00	€585.5750	€7.0269
Pollaphuca	Liffey	LI1, LI2, LI3, LI4	34.18	34.18	€441.9917	€5.3039
Marina	Marina	MR1, MRT	112.00	112.00	€555.9167	€6.6710
Moneypoint	Moneypoint	MP1, MP2, MP3	862.50	862.50	€565.5333	€6.7864
Northwall 220kV	Northwall	NW4, NW5	227.00	227.00	€451.6417	€5.4197

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Shellybanks	Poolbeg	PB4,PB5, PB6	460.00	460.00	€451.4750	€5.4177
Derryiron	Rhode	RH1, RH2	103.60	103.60	€417.1000	€5.0052
Tarbert 110kV	Tarbert	TB1, TB2	108.00	108.00	€524.2500	€6.2910
Tarbert 220kV	Tarbert	TB3, TB4	481.40	481.40	€518.6417	€6.2237
Turlough Hill	Turlough Hill	TH1, TH2, TH3, TH4	292.00	292.00	€454.4333	€5.4532
Tynagh	Tynagh	TYC	404.00	404.00	€504.3250	€6.0519
Shannonbridge	West Offaly Power	WO4	141.00	141.00	€454.3417	€5.4521
Ireland Transmission Connected Wind						
Station	Name					
Athea	Athea		73	73.00	€675.0833	€8.1010
Boggeragh	Boggeragh		57.00	57.00	€569.7500	€6.8370
Boggeragh	Boggeragh 2		47.70	47.70	€569.7500	€6.8370
Booltiagh	Booltiagh		31.45	31.45	€551.0917	€6.6131
Castledockrell	Castledockrell		41.4	41.40	€507.8000	€6.0936
Coomagearlahy	Coomagearlahy		81	81.00	€732.4167	€8.7890
Crane	Ballywater		42	42.00	€399.1333	€4.7896
Cunghill	Kingsmountain		34.8	34.80	€595.9750	€7.1517
Derrybrien	Derrybrien		59.5	59.50	€479.1500	€5.7498
Dromada	Dromada		28.5	28.50	€675.0833	€8.1010
Garrow	Coomacheo		59.225	59.23	€741.4333	€8.8972
Garvagh	Garvagh		48	48.00	€760.7167	€9.1286
Glanlee	Glanlee		35.8	35.80	€732.4167	€8.7890
Golagh	Golagh		15	15.00	€903.3167	€10.8398
Kill Hill	Kill Hill		58.5	58.50	€584.3917	€7.0127

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Knocknagoshel	Cloghboola 1		46.00	46.00	€608.7250	€7.3047
Lisheen	Lisheen		59	59.00	€629.8250	€7.5579
Meentycat	Meentycat		84.96	84.96	€996.4167	€11.9570
Mount Lucas	Mount Lucas		79.2	79.20	€445.1667	€5.3420
Mulreavy	Mulreavy		89.85	89.85	€863.0583	€10.3567
Clahane	Clahane		51.6	51.60	€646.7667	€7.7612
Ratrussan	Mountain Lodge		30.62	30.62	€339.1083	€4.0693
Ratrussan	Ratrussan		48	48.00	€339.1083	€4.0693
Ireland Distribution Connected						
Ardnacrusha	Knockastanna		7.5	2.50	€505.8250	€6.0699
Arklow	Arklow Bank		25.2	20.20	€412.2083	€4.9465
Ballylickey	Kealkil		8.5	3.50	€448.1750	€5.3781
Ballylickey	Glanta Commons		39.45	34.45	€448.1750	€5.3781
Barrymore	Dairygold Mitchelstown		8.55	3.55	€519.2333	€6.2308
Barrymore	Barranafaddock 1		32.4	27.40	€519.2333	€6.2308
Bellacorick	Bellacorick 1		6.45	1.45	€565.9083	€6.7909
Binbane	Corkermore		9.99	4.99	€623.9750	€7.4877
Binbane	Killin Hill		6	1.00	€623.9750	€7.4877
Binbane	Loughderryduff		7.65	2.65	€623.9750	€7.4877
Binbane	Meenachullalan		11.9	6.90	€623.9750	€7.4877
Boggeragh	Carrigcannon		20	15.00	€569.7500	€6.8370
Carlow	Gortahile		21	16.00	€431.2333	€5.1748
Castlebar	Raheen Barr 1		18.7	13.70	€480.0667	€5.7608

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Castlebar	Raheen Barr 2		8.5	3.50	€480.0667	€5.7608
Cauteen	Cappagh White		16.1	11.10	€609.6250	€7.3155
Cauteen	Garracummer		36.9	31.90	€609.6250	€7.3155
Cauteen	Glenough		33	28.00	€609.6250	€7.3155
Cauteen	Holyford		9	4.00	€609.6250	€7.3155
Corderry	Altagowlan		7.65	2.65	€760.6833	€9.1282
Corderry	Black Banks 2		6.8	1.80	€760.6833	€9.1282
Corderry	Tullynamoyle		9	4.00	€760.6833	€9.1282
Crory	Ballycadden		25.95	20.95	€507.8000	€6.0936
Crory	Gibbet Hill		14.8	9.80	€507.8000	€6.0936
Crory	Knocknalour		8.95	3.95	€507.8000	€6.0936
Drybridge	Meath Waste-Energy		17.00	12.00	€436.5250	€5.2383
Drybridge	Dunmore		6.5	1.50	€436.5083	€5.2381
Dunmanway	Carbery Milk Products CHP		6.00	1.00	€448.1750	€5.3781
Dunmanway	Coomatallin		5.95	0.95	€448.1750	€5.3781
Dunmanway	Milane Hill		5.94	0.94	€448.1750	€5.3781
Garrow	Caherdowney		10	5.00	€741.4333	€8.8972
Glenlara	Dromdeeveen		27	22.00	€597.8500	€7.1742
Glenlara	Taurbeg		26	21.00	€509.0833	€6.1090
Glenree	Carrowleagh		34.15	29.15	€561.5250	€6.7383
Ikerrin	Monaincha Bog		30	25.00	€570.0750	€6.8409
Inchicore	Guinness CHP		8.075	3.08	€441.6250	€5.2995
Kilteel	Arthurstown LFG		9.78	4.78	€466.7583	€5.6011

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Knockacummer	Knockacummer		87	82.00	€597.8500	€7.1742
Knockearagh	Gneeves		9.35	4.35	€673.2083	€8.0785
Knockearagh	WEDCross Wind Farm and Adambridge CHP		7.5	2.50	€673.2083	€8.0785
Letterkenny	Cark		15	10.00	€1,005.1917	€12.0623
Letterkenny	Culliagh		11.88	6.88	€1,005.1917	€12.0623
Lisheen	Bruckana		39.6	34.60	€629.8250	€7.5579
Macroon	Bawnmore		24	19.00	€615.1583	€7.3819
Macroon	Garranereagh		8.75	3.75	€615.1583	€7.3819
Meath Hill	Mullananalt		7.5	2.50	€406.4583	€4.8775
Meath Hill	Gartnaneane		10.5	5.50	€406.4583	€4.8775
Moy	Lackan		6	1.00	€563.0167	€6.7562
Northwall 38kV	NW1, NW2, NW3		45	40.00	€594.7417	€7.1369
Oughtragh	Knockaneden		9	4.00	€662.1750	€7.9461
Rathkeale	Grouse Lodge		15	10.00	€532.5583	€6.3907
Rathkeale	Rathcahill		12.5	7.50	€532.5583	€6.3907
Reamore	Knocknagoum		44.35	39.35	€658.8417	€7.9061
Reamore	Muingnaminnane		15.3	10.30	€658.8417	€7.9061
Salthill	Leitir Guingaid		40.9	35.90	€366.7333	€4.4008
Sligo	Carrickeeney		7.65	2.65	€546.0583	€6.5527
Sligo	Faughary		6	1.00	€546.0583	€6.5527
Somerset	Sonnagh Old		7.65	2.65	€444.6917	€5.3363

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Sorne Hill	Flughland		9.2	4.20	€1,005.2417	€12.0629
Sorne Hill	Sorne Hill		38.9	33.90	€1,005.2417	€12.0629
Tawnaghmore	Tawnaghmore Peaker		104	99.00	€594.7417	€7.1369
Thurles	An Cnoc		11.5	6.50	€629.8250	€7.5579
Tonroe	Largan Hill		5.94	0.94	€447.4000	€5.3688
Tralee	Ballincollig Hill		15	10.00	€658.8417	€7.9061
Tralee	Mount Eagle 1		5.1	0.10	€658.8417	€7.9061
Tralee	Tursillagh 1		15	10.00	€658.8417	€7.9061
Tralee	Tursillagh 2		6.8	1.80	€658.8417	€7.9061
Trien	Knockawarriga 1		22.5	17.50	€638.3583	€7.6603
Trien	Tournafulla 2		17.2	12.20	€638.3583	€7.6603
Trien	Tournafulla 1		7.5	2.50	€638.3583	€7.6603
Trillick	Beam Hill 1		14	9.00	€1,005.2417	€12.0629
Trillick	Drumlough Hill 2		9.99	4.99	€1,005.2417	€12.0629
Tullabrack	Moanmore 1		12.6	7.60	€516.5000	€6.1980
Waterford	Ballymartin		14.28	9.28	€384.9167	€4.6190
Wexford	Carnsore		11.90	6.90	€346.3333	€4.1560
Wexford	Richfield		27	22.00	€346.3333	€4.1560
NI Transmission Connected				0.00	€0.0000	€0.0000
Ballylumford	Ballylumford GA		152.00	152.00	€319.2333	€3.8308
Ballylumford	Ballylumford GB		152.00	152.00	€319.2333	€3.8308
Ballylumford	Ballylumford GC		175.00	175.00	€319.2333	€3.8308
Ballylumford	Ballylumford GD		98.40	98.40	€320.0667	€3.8408
Ballylumford	Ballylumford GT7		58.00	58.00	€320.0667	€3.8408

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Ballylumford	Ballylumford GT8		58.00	58.00	€320.0667	€3.8408
Ballylumford	Ballylumford ST4		170.00	170.00	€319.2333	€3.8308
Ballylumford	Ballylumford ST5		170.00	170.00	€319.2333	€3.8308
Ballylumford	Ballylumford ST6		170.00	170.00	€319.2333	€3.8308
Coolkeeragh	Coolkeeragh GT8		53.00	53.00	€316.2083	€3.7945
Coolkeeragh	Coolkeeragh C30		147.00	147.00	€316.2000	€3.7944
Coolkeeragh	Coolkeeragh C30		266.00	266.00	€314.1833	€3.7702
Kilroot	Kilroot 1		240.00	240.00	€318.8333	€3.8260
Kilroot	Kilroot 2		240.00	240.00	€318.8333	€3.8260
Kilroot	Kilroot GT1		29.00	29.00	€318.8417	€3.8261
Kilroot	Kilroot GT2		29.00	29.00	€318.8417	€3.8261
Kilroot	Kilroot GT3		42.00	42.00	€318.8417	€3.8261
Kilroot	Kilroot GT4		42.00	42.00	€318.8417	€3.8261
Slievekirk	Slievekirk		73.60	73.60	€339.1083	€4.0693
NI Distribution Connected						
Aghyoule	Slieve Rushen2		54.00	49.00	€371.8250	€4.4619
Aghyoule	Snugborough		13.50	8.50	€371.8250	€4.4619
Ballymena	Brackagh Quarry		6.00	1.00	€339.1083	€4.0693
Carnmoney	Carn Hill		13.80	8.80	€339.1083	€4.0693
Coleraine	Dunbeg		42.00	37.00	€339.1083	€4.0693
Coleraine	Dunmore		21.00	16.00	€339.1083	€4.0693
Coleraine	Garves		15.00	10.00	€339.1083	€4.0693
Coleraine	Gruig		25.00	20.00	€339.1083	€4.0693
Coolkeeragh	Evermore		17.60	12.60	€316.2083	€3.7945

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Dungannon	Crockagarran		18.00	13.00	€339.1083	€4.0693
Enniskillen	Callagheen		17.80	12.80	€371.8333	€4.4620
Enniskillen	Ora More		15.00	10.00	€371.8333	€4.4620
Gort	Slieve Divena 1		30.00	25.00	€371.8250	€4.4619
Killymallaght	Carrickatane		20.70	15.70	€339.1083	€4.0693
Larne	Wolf Bog		10.00	5.00	€339.1083	€4.0693
Limavady	Altahullion		26.00	21.00	€339.1083	€4.0693
Limavady	Altahullion 2		11.70	6.70	€339.1083	€4.0693
Lisaghmore	Curryfree		15.00	10.00	€339.1083	€4.0693
Lisburn	Contour Global		12.00	7.00	€301.6417	€3.6197
Magherakeel	Church Hill		18.40	13.40	€370.5583	€4.4467
Magherakeel	Crigshane		32.20	27.20	€370.5583	€4.4467
Magherakeel	Seegronan		18.00	13.00	€370.5583	€4.4467
Magherakeel	Thornog		20.00	15.00	€370.5583	€4.4467
Magherakeel	Tievenameenta		34.50	29.50	€370.5583	€4.4467
Omagh	Bessybell2		9.00	4.00	€400.3833	€4.8046
Omagh	Hunters Hill		20.00	15.00	€400.3833	€4.8046
Omagh	Lendrum's Bridge		13.20	8.20	€400.3833	€4.8046
Omagh	Screggagh		20.00	15.00	€400.3833	€4.8046
Omagh	Tappaghan		19.50	14.50	€400.3833	€4.8046
Omagh	Tappaghan		9.00	4.00	€400.3833	€4.8046
Strabane	Bin Mountain		9.00	4.00	€339.1083	€4.0693
Strabane	Lough Hill		7.80	2.80	€339.1083	€4.0693
Strabane	Owenreagh		5.50	0.50	€339.1083	€4.0693

Station	Generation Facility	Units	Contracted Maximum Export Capacity (MW)	Chargeable Maximum Export Capacity (MW)	Network Capacity Charge Rate €/MW/month	Equivalent €/kW/year
Strabane	Owenreagh2		5.10	0.10	€339.1083	€4.0693
	AGU		74.00	69.00	€339.1083	€4.0693