

## **Proposed Transmission Loss Adjustment Factors**

The following tables 1, 2 and 3 detail the 2007 Transmission Loss Adjustment Factors (TLAFs) as submitted by the Transmission System Operator (TSO), EirGrid. Losses are incurred on the transmission system as electricity is transported from generators to the transmission/distribution interface. In settlement, the transmission losses are allocated to generators (including generators embedded in the Distribution System) using TLAFs.

The TSO has also submitted indicative loss factors for 2007, in Table 4 below, for all transmission nodes, which provides an indication of likely loss factors for new generation considering entry to the market.

These proposed TLAFs are subject to change pending additional verification of calculations by EirGrid.

**Table 1. Proposed Transmission Loss Adjustment Factors for Transmission-Connected Generation Stations**

Transmission-Connected Generation Station	Unit Identifier	Connected at	Season							
			Winter (Jan-Feb)		Spring (Mar-May)		Summer (Jun-Aug)		Autumn (Sep-Oct)	
			Day	Night	Day	Night	Day	Night	Day	Night
Aghada (ESB)	AD1, AT1, AT2, AT4	Aghada 220 kV	1.037	1.035	1.031	1.028	1.040	1.033	1.040	1.038
Aghada PCP (ESB)	AP5	Aghada 110 kV	1.039	1.037	1.032	1.029	1.040	1.035	1.041	1.039
Ardnacrusha (ESB)	AA1, AA2, AA3, AA4	Ardnacrusha 110 kV	1.004	0.992	1.022	1.010	1.031	1.015	1.031	1.020
Ballywater (Ballywater Windfarms Ltd.)	BW1	Crane 110 kV	1.031	1.022	1.022	1.021	1.027	1.023	1.027	1.020
Booltiagh (Booltiagh Windfarm Ltd.)	BT1	Booltiagh 110 kV	0.997	0.987	1.017	1.006	1.026	1.012	1.025	1.015
Coomagearlahy (SWS Kilgarvan Windfarm Ltd.)	CG1	Coomagearlahy 110 kV	1.013	1.009	1.023	1.014	1.031	1.020	1.031	1.023
Derrybrien (Gort Windfarms Ltd.)	DY1	Agannygal 110 kV	0.979	0.964	0.993	0.979	1.004	0.989	1.003	0.990
Dublin Bay Power (Synergen)	DB1	Irishtown 220 kV	0.986	1.000	0.978	0.989	0.975	0.989	0.973	0.985
Edenderry (Edenderry Power Ltd.)	ED1	Cushaling 110 kV	0.953	0.938	0.941	0.931	0.942	0.932	0.977	0.968
Erne (ESB)	ER1, ER2	Cliff 110 kV	0.963	0.931	0.982	0.979	1.005	1.004	0.989	0.977
Erne (ESB)	ER3, ER4	Cathaleen's Fall 110 kV	0.967	0.933	0.984	0.981	1.006	1.004	0.991	0.978
Great Island (ESB)	GI1, GI2	Great Island 110 kV	1.038	1.036	1.028	1.027	1.030	1.026	1.032	1.027
Great Island (ESB)	GI3	Great Island 220 kV	1.029	1.029	1.020	1.020	1.022	1.019	1.023	1.021
Huntstown (Huntstown Power Ltd.)	HNC	Huntstown 220 kV	0.987	1.000	0.977	0.989	0.974	0.988	0.968	0.983
Kingsmountain (Brickmount Ltd.)	KGM	Cunghill 110 kV	1.002	0.980	1.000	1.000	1.008	1.007	1.014	1.000
Lee (ESB)	LE3	Carrigadrohid 110 kV	1.031	1.028	1.035	1.027	1.042	1.031	1.043	1.036
Lee (ESB)	LE1, LE2	Inniscarra 110 kV	1.039	1.037	1.041	1.033	1.050	1.037	1.049	1.041
Liffey (ESB)	LI1, LI2, LI4	Pollaphuca 110 kV	1.021	1.017	1.014	1.007	1.018	1.008	1.018	1.006
Lough Ree Power (ESB)	LR4	Lanesboro 110 kV	0.990	0.966	0.985	0.968	0.987	0.968	1.004	0.986
Marina (ESB)	MRT	Marina 110 kV	1.051	1.046	1.045	1.037	1.052	1.042	1.054	1.047
Meentycat (Meentycat Ltd.)	MCT	Meentycat 110 kV	0.941	0.895	0.969	0.958	1.006	0.995	0.985	0.961

Moneypoint (ESB)	MP1, MP2, MP3	Moneypoint 380 kV	0.960	0.967	0.970	0.976	0.973	0.981	0.968	0.975
North Wall (ESB)	NW5	North Wall 220 kV	0.988	1.002	0.979	0.991	0.977	0.990	0.969	0.984
North Wall (ESB)	NW4	North Wall 220 kV	0.988	1.002	0.979	0.991	0.977	0.990	0.969	0.984
Poolbeg (ESB)	PB1, PB2, PB3	Poolbeg 220 kV	0.989	1.003	0.980	0.992	0.978	0.991	0.969	0.984
Poolbeg (ESB)	PBC	Shellybanks 220 kV	0.986	0.999	0.977	0.989	0.975	0.989	0.969	0.984
Rhode PCP (ESB)	RP1, RP2	Derryiron 110 kV	1.003	1.008	0.995	0.998	0.994	0.998	0.990	0.994
Seal Rock (Aughinish Alumina)	SK3, SK4	Aughinish 110 kV	0.967	0.964	0.990	0.979	0.992	0.978	0.994	0.984
Tarbert (ESB)	TB1, TB2	Tarbert 110 kV	0.971	0.979	0.996	0.992	0.999	0.995	1.000	0.999
Tarbert (ESB)	TB3, TB4	Tarbert 220 kV	0.976	0.982	0.998	0.994	1.001	0.997	1.003	1.002
Tawnaghmore PCP (ESB)	TP1	Tawnaghmore 110 kV	1.038	1.000	1.022	1.018	1.027	1.020	1.049	1.019
Turlough Hill (ESB)	TH1, TH2, TH3, TH4	Turlough Hill 220 kV	0.986	1.008	0.979	0.994	0.978	0.994	0.976	0.992
Tynagh CCGT (Tynagh Energy Ltd.)	TYC	Tynagh 220 kV	0.951	0.957	0.958	0.962	0.959	0.964	0.961	0.967
West Offaly Power (ESB)	WO4	Shannonbridge 110 kV	0.988	0.978	0.988	0.976	0.992	0.980	0.995	0.984

**Table 2. Proposed Transmission Loss Adjustment Factors for Distribution-Connected Generation Stations**

Distribution-Connected Generation Station	Unit Identifier	Connected/Embedded at	Season							
			Winter (Jan-Feb)		Spring (Mar-May)		Summer (Jun-Aug)		Autumn (Sep-Oct)	
			Day	Night	Day	Night	Day	Night	Day	Night
A & L Goodbody (Bord Gais)	BG4	Not relevant	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
A & L Goodbody (Marren Engineering Ltd.)	GBY	Poolbeg 220 kV	0.989	1.003	0.980	0.992	0.978	0.991	0.969	0.984
Altagowlan (Moneenatieve Windfarm Ltd.)	AW1	Corderry 110 kV	0.984	0.971	0.988	0.991	0.996	0.998	0.995	0.990
Arklow Banks (Arklow Energy Ltd.)	ARB	Arklow 110 kV	1.000	1.010	0.991	1.000	0.990	0.999	0.989	0.996
Arthurstown Landfill (Irish Power Systems Ltd.)	ATW	Kilteel 110 kV	0.999	1.007	0.988	0.997	0.986	0.995	0.989	0.995
Ballineen (CM Power Ltd.)	CP1	Dunmanway 110 kV	1.049	1.044	1.050	1.043	1.056	1.044	1.058	1.048
Ballinlough (Jeroma Windfarms Ltd.)	BH1	Ikerin 110 kV	1.046	1.027	1.043	1.024	1.045	1.023	1.050	1.030
Ballinveny (North Tipperary Windpower Ltd.)	BV1	Ikerin 110 kV	1.046	1.027	1.043	1.024	1.045	1.023	1.050	1.030
Ballyragget Power (Glanbia Plc.)	BA1	Kilkenny 110 kV	1.052	1.048	1.035	1.036	1.035	1.031	1.040	1.033
Beal Hill (Port Finch Ltd.)	BEA	Trien 110 kV	0.985	0.993	1.007	1.003	1.008	1.003	1.007	1.004
Black Banks II (Waterfern Ltd.)	BL2	Corderry 110 kV	0.984	0.971	0.988	0.991	0.996	0.998	0.995	0.990
Carnsore (Hibernian Wind Power Ltd.)	CNS	Wexford 110 kV	1.038	1.028	1.028	1.026	1.034	1.028	1.035	1.027
Carrig (Carrig Windfarm Ltd.)	LK1	Dallow 110 kV	0.995	0.982	0.990	0.979	0.992	0.981	1.000	0.989
Carrigeen (Dan Twomey Waterpower Engineering Ltd.)	WAP	Trabeg 110 kV	1.052	1.046	1.045	1.038	1.053	1.042	1.054	1.048
Coomatallin (Coomatallin Windfarm Ltd.)	CN1	Dunmanway 110 kV	1.049	1.044	1.050	1.043	1.056	1.044	1.058	1.048
Corneen (Ganderoy Ltd.)	CO1	Shankill 110 kV	1.008	0.994	1.001	1.007	1.002	1.010	1.002	0.996
Cronalaght (Gineadóirí Gaoithe Teo.)	CM1	Letterkenny 110 kV	0.948	0.899	0.974	0.961	1.011	0.998	0.990	0.964
Cronelea Upper (Bearna Gaoithe Teo.)	CE1	Carlow 110 kV	1.018	1.020	1.008	1.009	1.008	1.008	1.009	1.008
Cuillalea (Cuillalea Windfarm Ltd.)	CLL	Castlebar 110 kV	1.027	1.007	1.023	1.020	1.025	1.017	1.039	1.024
Culliagh (Dedondo Ltd.)	RO1	Letterkenny 110 kV	0.948	0.899	0.974	0.961	1.011	0.998	0.990	0.964
Curraghraigue (Aeolus Energy Ltd.)	CGU	Ardnacrusha 110 kV	1.004	0.992	1.022	1.010	1.031	1.015	1.031	1.020

Derrigra (Independent Biomass Systems Ltd.)	DGA	Bandon 110 kV	1.056	1.053	1.054	1.048	1.061	1.050	1.062	1.055
Dublin Corp (Bord Gais)	BG1	Not relevant	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
FMC (Bord Gais)	BG5	Kilbarry 110 kV	1.050	1.045	1.044	1.037	1.052	1.041	1.053	1.047
Gartnaneane (Gartnaneane Ltd.)	GAR, GA2	Meath Hill 110 kV	1.000	1.004	0.985	1.007	0.981	1.005	0.984	0.993
Geevagh (Guestevoy Ltd.)	CY1	Corderry 110 kV	0.984	0.971	0.988	0.991	0.996	0.998	0.995	0.990
Kilbranish (Greenoge Wind Farm Ltd.)	KBS	Crane 110 kV	1.031	1.022	1.022	1.021	1.027	1.023	1.027	1.020
KTK Landfill (Greenstar Gas Energy Ltd.)	BTN	Newbridge 110 kV	1.010	1.007	0.997	0.997	0.994	0.994	1.002	0.999
Lahanaght Hill (Lahanaght Hill Windfarm Ltd.)	LT1	Dunmanway 110 kV	1.049	1.044	1.050	1.043	1.056	1.044	1.058	1.048
Lakeland Dairies (Bord Gais)	BG3	Meath Hill 110 kV	1.000	1.004	0.985	1.007	0.981	1.005	0.984	0.993
Largan Hill (Largan Hill Ltd.)	LG1	Tonroe 110 kV	0.993	0.986	0.996	0.997	0.999	1.000	1.003	0.998
Liffey (ESB)	LI5	Not relevant	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Meenacloghspar (Saporito Wind Ltd.)	MS1	Cathaleen's Fall 110 kV	0.967	0.933	0.984	0.981	1.006	1.004	0.991	0.978
Meenadreen (Arrakis Ltd.)	LHY	Cathaleen's Fall 110 kV	0.967	0.933	0.984	0.981	1.006	1.004	0.991	0.978
Meenanilta (Redwind Energy Ltd.)	MTA, MT2	Letterkenny 110 kV	0.948	0.899	0.974	0.961	1.011	0.998	0.990	0.964
Millipore (Bord Gais)	BG2	Cow Cross 110 kV	1.046	1.042	1.040	1.035	1.048	1.039	1.049	1.044
Moanmore (Kilrush Energy Ltd.)	MMR	Tullabrack 110 kV	0.998	0.989	1.020	1.009	1.030	1.015	1.027	1.018
Moneenatieve (Moneenatieve Windfarm Ltd.)	MV1	Corderry 110 kV	0.984	0.971	0.988	0.991	0.996	0.998	0.995	0.990
Mount Eagle (Mount Eagle Windfarm Ltd.)	MG1	Tralee 110 kV	1.003	1.007	1.016	1.011	1.020	1.012	1.019	1.015
Raheen Barr (Matrix Energy Partnership)	MXE	Castlebar 110 kV	1.027	1.007	1.023	1.020	1.025	1.017	1.039	1.024
Silliot Hill (Irish Power Systems Ltd.)	SIL	Newbridge 110 kV	1.010	1.007	0.997	0.997	0.994	0.994	1.002	0.999
Skehanagh (Skehanagh Wind Farm Ltd.)	SG1	Dallow 110 kV	0.995	0.982	0.990	0.979	0.992	0.981	1.000	0.989
Sonnagh Old (Corr Na Gaoithe Ltd.)	KST	Somerset 110 kV	0.988	0.979	0.989	0.980	0.992	0.983	0.996	0.987
SWS Gneevs Windfarm Ltd.	GN1	Knockearagh 110 kV	1.009	1.012	1.023	1.017	1.028	1.018	1.027	1.022
Taurbeg (Taurbeg Ltd.)	TR1	Glenlara 110 kV	1.033	1.012	1.041	1.022	1.051	1.029	1.054	1.032
Tursillagh II (Saorgas Ltd.)	TU2	Tralee 110 kV	1.003	1.007	1.016	1.011	1.020	1.012	1.019	1.015
Wyeth Nutritionals (Askeaton Power Ltd.)	WAS	Rathkeale 110 kV	0.988	0.990	1.011	1.003	1.014	1.005	1.016	1.008

**Table 3. Proposed Transmission Loss Adjustment Factors for Import / Export Generation**

Import / Export Generation			Season							
			Winter (Jan-Feb)		Spring (Mar-May)		Summer (Jun-Aug)		Autumn (Sep-Oct)	
			Day	Night	Day	Night	Day	Night	Day	Night
Interconnector Imports (N-S)			0.995	0.998	0.979	1.000	0.976	0.999	0.978	0.987
Interconnector Exports (S-N)			0.995	0.998	0.979	1.000	0.976	0.999	0.978	0.987

**Table 4. Indicative Transmission Loss Adjustment Factors (TLAFs)**

2007 Indicative Transmission Loss Adjustment Factors									
Bus	kV	Winter (Jan/Feb)		Spring		Summer		Autumn	
		Day	Night	Day	Night	Day	Night	Day	Night
AGANNYGAL	110	0.979	0.964	0.993	0.979	1.004	0.989	1.003	0.990
AGHADA	110	1.039	1.037	1.032	1.029	1.040	1.035	1.041	1.039
AGHADA	220	1.037	1.035	1.031	1.028	1.040	1.033	1.040	1.038
AHANE	110	1.007	1.000	1.021	1.010	1.027	1.014	1.029	1.018
ARDNACRUSHA	110	1.004	0.992	1.022	1.010	1.031	1.015	1.031	1.020
ARIGNA	110	0.986	0.975	0.988	0.991	0.994	0.997	0.995	0.991
ARKLOW	110	1.000	1.010	0.991	1.000	0.990	0.999	0.989	0.996
ARKLOW	220	1.004	1.012	0.995	1.002	0.994	1.002	0.994	1.000
ARVA	110	1.002	0.990	0.999	1.005	1.002	1.010	1.001	0.998
ATHEA	110	-	-	-	-	1.008	1.002	1.005	1.002
ATHLONE	110	1.001	0.983	0.999	0.982	1.001	0.983	1.010	0.993
ATHY	110	1.011	1.006	1.000	0.997	1.000	0.995	1.009	1.003
AUGHINISH	110	0.967	0.964	0.990	0.979	0.992	0.978	0.994	0.984
BALLYBEG	110	0.997	1.007	0.987	0.997	0.985	0.996	0.984	0.993
BALLYDINE	110	1.063	1.054	1.055	1.045	1.057	1.043	1.061	1.048
BALLYLICKEY	110	1.051	1.044	1.052	1.044	1.054	1.042	1.056	1.044
BALLYWATER	110	1.029	1.018	1.021	1.019	1.026	1.022	1.026	1.019
BANDON	110	1.056	1.053	1.054	1.048	1.061	1.050	1.062	1.055
BANOGE	110	1.018	1.018	1.008	1.012	1.010	1.012	1.010	1.010
BARNAHELY	110	1.047	1.044	1.041	1.036	1.048	1.040	1.050	1.045
BARRYMORE	110	1.054	1.047	1.051	1.041	1.057	1.043	1.058	1.049
BELLACORRICK	110	1.032	1.002	1.023	1.018	1.027	1.019	1.044	1.021
BINBANE	110	0.978	0.945	0.993	0.991	1.008	1.006	0.985	0.974

BLAKE	110	0.977	0.973	0.964	0.963	0.962	0.963	0.982	0.981
BOOLTIAGH	110	0.997	0.987	1.017	1.006	1.026	1.012	1.025	1.015
BUTLERSTOWN	110	1.045	1.044	1.034	1.034	1.036	1.031	1.039	1.034
CAHIR	110	1.065	1.051	1.063	1.047	1.066	1.045	1.069	1.052
CARICK-ON-SHANNON	110	0.989	0.981	0.990	0.993	0.993	0.997	0.996	0.993
CARLOW	110	1.018	1.020	1.008	1.009	1.008	1.008	1.009	1.008
CARRICKMINES	110	0.991	1.002	0.981	0.992	0.979	0.991	0.977	0.988
CARRICKMINES	220	0.988	1.001	0.980	0.991	0.977	0.990	0.975	0.987
CARRIGADROHID	110	1.031	1.028	1.035	1.027	1.042	1.031	1.043	1.036
CASHLA	110	0.966	0.969	0.975	0.977	0.976	0.978	0.981	0.983
CASHLA	220	0.970	0.972	0.978	0.980	0.980	0.981	0.983	0.985
CASTLEBAR	110	1.027	1.007	1.023	1.020	1.025	1.017	1.039	1.024
CASTLEVIEW	110	1.045	1.042	1.040	1.035	1.047	1.039	1.048	1.044
CATHLEENS FALL	110	0.967	0.933	0.984	0.981	1.006	1.004	0.991	0.978
CHARLEVILLE	110	1.037	1.020	1.042	1.025	1.050	1.030	1.053	1.034
CLASHAVOON	110	1.027	1.025	1.031	1.024	1.039	1.029	1.039	1.033
CLASHAVOON	220	1.021	1.020	1.025	1.020	1.031	1.023	1.033	1.028
CLIFF	110	0.963	0.931	0.982	0.979	1.005	1.004	0.989	0.977
CLONKEEN	110	1.014	1.011	1.024	1.015	1.032	1.020	1.032	1.024
CLOON	110	0.990	0.982	0.992	0.989	0.993	0.988	1.003	0.997
COLLEGE	110	0.992	1.006	0.981	0.993	0.978	0.991	0.971	0.986
COOLROE	110	1.041	1.039	1.042	1.034	1.051	1.039	1.050	1.043
COOMAGEARLAGHY	110	1.013	1.009	1.023	1.014	1.031	1.020	1.031	1.023
CORDERRY	110	0.984	0.971	0.988	0.991	0.996	0.998	0.995	0.990
CORDUFF	110	0.989	1.002	0.978	0.990	0.976	0.990	0.969	0.984
CORDUFF	220	0.987	1.000	0.977	0.989	0.975	0.989	0.969	0.983
CORRACLASSY	110	0.994	0.972	1.000	1.002	1.012	1.015	1.005	0.997
COW CROSS	110	1.046	1.042	1.040	1.035	1.048	1.039	1.049	1.044
CRANE	110	1.031	1.022	1.022	1.021	1.027	1.023	1.027	1.020
CULLENAGH	110	1.040	1.039	1.031	1.029	1.033	1.028	1.035	1.030
CULLENAGH	220	1.035	1.033	1.026	1.025	1.029	1.025	1.030	1.027



CUNGHILL	110	1.002	0.980	1.000	1.000	1.008	1.007	1.014	1.000
CUSHALING	110	0.953	0.938	0.941	0.931	0.942	0.932	0.977	0.968
DALLOW	110	0.995	0.982	0.990	0.979	0.992	0.981	1.000	0.989
DALTON	110	1.019	1.005	1.019	1.015	1.020	1.012	1.032	1.019
DERRYBRIEN	110	0.973	0.954	0.990	0.974	1.002	0.985	1.000	0.985
DERRYIRON	110	1.003	1.008	0.995	0.998	0.994	0.998	0.990	0.994
DOON	110	1.070	1.059	1.064	1.052	1.067	1.049	1.071	1.055
DRUMKEEN	110	0.945	0.899	0.972	0.961	1.008	0.997	0.987	0.963
DRUMLINE	110	1.008	0.996	1.027	1.012	1.035	1.016	1.034	1.021
DRYBRIDGE	110	1.005	1.012	0.991	1.003	0.987	1.002	0.985	0.995
DUNDALK	110	1.007	1.008	0.989	1.010	0.984	1.006	0.988	0.994
DUNFIRTH	110	0.999	1.006	0.991	0.996	0.989	0.996	0.986	0.993
DUNGARVAN	110	1.054	1.050	1.044	1.040	1.048	1.040	1.050	1.044
DUNMANWAY	110	1.049	1.044	1.050	1.043	1.056	1.044	1.058	1.048
DUNSTOWN	220	0.986	0.999	0.980	0.991	0.979	0.991	0.976	0.987
DUNSTOWN	400	0.981	0.994	0.977	0.988	0.977	0.989	0.973	0.984
ENNIS	110	1.002	0.990	1.018	1.005	1.026	1.010	1.026	1.014
FASSAROE EAST	110	0.995	1.005	0.984	0.994	0.981	0.993	0.980	0.990
FASSAROE WEST	110	0.995	1.005	0.984	0.994	0.981	0.993	0.980	0.990
FINGLAS RURAL	110	0.990	1.004	0.980	0.991	0.977	0.991	0.970	0.986
FINGLAS	220	0.987	1.000	0.978	0.989	0.975	0.989	0.969	0.984
FLAGFORD	110	0.988	0.980	0.989	0.992	0.992	0.995	0.995	0.992
FLAGFORD	220	0.987	0.980	0.987	0.992	0.990	0.995	0.992	0.991
GALWAY	110	0.979	0.982	0.987	0.990	0.988	0.989	0.993	0.995
GILRA	110	0.991	0.984	0.991	0.995	0.994	0.999	0.998	0.996
GLANLEE	110	1.013	1.009	1.023	1.014	1.031	1.020	1.031	1.022
GLENLARA	110	1.033	1.012	1.041	1.022	1.051	1.029	1.054	1.032
GOLAGH	110	0.954	0.916	0.976	0.970	1.006	1.000	0.987	0.970
GORMAN	110	1.003	1.008	0.988	1.003	0.986	1.002	0.986	0.995
GORMAN	220	0.997	1.003	0.984	1.000	0.982	0.999	0.982	0.991
GORTAWEE	110	1.001	0.982	1.004	1.007	1.014	1.018	1.008	1.001
GREAT ISLAND	110	1.038	1.036	1.028	1.027	1.030	1.026	1.032	1.027

GREAT ISLAND	220	1.029	1.029	1.020	1.020	1.022	1.019	1.023	1.021
GRIFFINRATH	110	0.992	1.005	0.982	0.994	0.979	0.993	0.980	0.991
HARNETTS CROSS	110	1.032	1.028	1.035	1.028	1.043	1.032	1.043	1.036
HUNTSTOWN	220	0.987	1.000	0.977	0.989	0.974	0.988	0.968	0.983
HUNTSTOWN	220	0.987	1.000	0.977	0.988	0.974	0.988	0.968	0.983
IKERRIN	110	1.046	1.027	1.043	1.024	1.045	1.023	1.050	1.030
INCHICORE	220	0.988	1.002	0.980	0.991	0.977	0.991	0.976	0.987
INISCARRA	110	1.039	1.037	1.041	1.033	1.050	1.037	1.049	1.041
IRISHTOWN	220	0.986	1.000	0.978	0.989	0.975	0.989	0.973	0.985
KELLIS	110	1.015	1.019	1.006	1.009	1.006	1.008	1.006	1.007
KELLIS	220	1.012	1.016	1.004	1.007	1.004	1.006	1.004	1.005
KILBARRY	110	1.050	1.045	1.044	1.037	1.052	1.041	1.053	1.047
KILKENNY	110	1.052	1.048	1.035	1.036	1.035	1.031	1.040	1.033
KILLONAN	110	1.007	1.000	1.021	1.010	1.027	1.014	1.028	1.018
KILLONAN	220	1.003	0.999	1.014	1.005	1.019	1.009	1.020	1.013
KILLOTARAN	110	1.044	1.042	1.033	1.032	1.035	1.030	1.037	1.033
KILTEEL	110	0.999	1.007	0.988	0.997	0.986	0.995	0.989	0.995
KINNEGAD	110	1.003	1.008	0.995	0.998	0.993	0.998	0.990	0.994
KNOCKERAGH	110	1.009	1.012	1.023	1.017	1.028	1.018	1.027	1.022
KNOCKRAHA	110	1.042	1.039	1.037	1.032	1.044	1.036	1.045	1.041
KNOCKRAHA	220	1.037	1.033	1.033	1.028	1.040	1.032	1.041	1.037
LANESBORO	110	0.990	0.966	0.985	0.968	0.987	0.968	1.004	0.986
LETTERKENNY	110	0.948	0.899	0.974	0.961	1.011	0.998	0.990	0.964
LIBERTY STREET	110	1.052	1.046	1.045	1.037	1.053	1.042	1.054	1.047
LIMERICK	110	1.002	0.995	1.020	1.008	1.025	1.010	1.027	1.015
LISDRUM	110	1.012	1.005	1.001	1.013	0.998	1.012	1.001	1.000
LOUTH	110	0.995	0.998	0.978	1.001	0.975	0.999	0.977	0.987
LOUTH	220	0.995	0.998	0.979	1.000	0.977	0.999	0.978	0.987
MACROOM	110	1.031	1.028	1.035	1.027	1.042	1.031	1.042	1.035
MALLOW	110	1.049	1.034	1.048	1.034	1.055	1.038	1.058	1.043
MARINA	110	1.051	1.046	1.045	1.037	1.052	1.042	1.054	1.047
MAYNOOTH	110	0.990	1.002	0.982	0.992	0.979	0.992	0.978	0.989

MAYNOOTH	220	0.990	1.001	0.982	0.992	0.980	0.992	0.978	0.988
MEATH HILL	110	1.000	1.004	0.985	1.007	0.981	1.005	0.984	0.993
MEENTYCAT	110	0.941	0.895	0.969	0.958	1.006	0.995	0.985	0.961
MIDLETON	110	1.047	1.043	1.040	1.036	1.048	1.040	1.049	1.045
MONEYPOINT	400	0.960	0.967	0.970	0.976	0.973	0.981	0.968	0.975
MONETEEN	110	0.996	0.989	1.015	1.002	1.019	1.004	1.021	1.009
MONEYPOINT	110	0.998	0.989	1.019	1.008	1.029	1.014	1.027	1.018
MONEYPOINT	220	0.968	0.973	0.990	0.987	0.993	0.991	0.997	0.995
MONREAD	110	1.004	1.007	0.992	0.997	0.990	0.995	0.995	0.997
MOY	110	1.036	1.000	1.022	1.018	1.027	1.020	1.047	1.019
MULLAGHARLIN	110	1.003	1.005	0.986	1.007	0.981	1.004	0.984	0.992
MULLINGAR	110	1.013	0.998	1.002	0.992	0.999	0.989	1.009	0.997
NAVAN	110	1.006	1.010	0.991	1.005	0.989	1.005	0.989	0.997
NENAGH	110	1.024	1.014	1.038	1.023	1.043	1.025	1.047	1.031
NEWBRIDGE	110	1.010	1.007	0.997	0.997	0.994	0.994	1.002	0.999
NORTH WALL	220	0.988	1.002	0.979	0.991	0.977	0.990	0.969	0.984
OLDSTREET	220	0.956	0.963	0.960	0.967	0.962	0.970	0.959	0.968
OLDSTREET	400	0.962	0.971	0.964	0.973	0.965	0.975	0.961	0.971
OUGHTRAGH	110	1.012	1.019	1.026	1.023	1.029	1.022	1.028	1.026
PLATIN	110	1.004	1.012	0.990	1.003	0.987	1.001	0.984	0.995
POLLAPHUCA	110	1.021	1.017	1.014	1.007	1.018	1.008	1.018	1.006
POOLBEG	220	0.989	1.003	0.980	0.992	0.978	0.991	0.973	0.986
PORTLAOISE	110	0.995	0.983	0.984	0.976	0.984	0.975	1.000	0.990
PROSPECT	220	0.971	0.977	0.993	0.989	0.995	0.993	0.998	0.997
RAFFEEN	110	1.046	1.043	1.040	1.035	1.047	1.039	1.049	1.045
RAFFEEN	220	1.043	1.039	1.038	1.033	1.045	1.037	1.046	1.042
RATHKEALE	110	0.988	0.990	1.011	1.003	1.014	1.005	1.016	1.008
RATRUSAN	110	0.996	0.981	0.988	0.998	0.990	1.003	0.990	0.986
RICHMOND	110	0.998	0.972	0.990	0.971	0.991	0.970	1.009	0.988
RINAWADE	110	0.993	1.003	0.986	0.994	0.984	0.994	0.982	0.990
RINGASKIDDY	110	1.046	1.042	1.040	1.035	1.047	1.039	1.049	1.045
RYEBROOK	110	0.996	1.007	0.988	0.997	0.985	0.997	0.981	0.993

SEAL ROCK	110	0.967	0.964	0.990	0.979	0.991	0.977	0.993	0.983
SHANKILL	110	1.008	0.994	1.001	1.007	1.002	1.010	1.002	0.996
SHANNONBRIDGE	110	0.988	0.978	0.988	0.976	0.992	0.980	0.995	0.984
SHANNONBRIDGE	220	0.993	0.987	0.994	0.987	0.997	0.989	0.999	0.992
SHELLYBANKS	220	0.986	0.999	0.977	0.989	0.975	0.989	0.971	0.985
SLIGO	110	0.993	0.977	0.995	0.996	1.003	1.003	1.003	0.995
SOMERSET	110	0.988	0.979	0.989	0.980	0.992	0.983	0.996	0.987
SORNE HILL	110	0.933	0.880	0.962	0.948	1.006	0.992	0.982	0.953
SRANANAGH	110	0.986	0.971	0.990	0.992	0.998	1.000	0.997	0.991
SRANANAGH	220	0.988	0.975	0.990	0.993	0.996	0.999	0.996	0.992
STRATFORD	110	1.024	1.022	1.013	1.012	1.015	1.011	1.016	1.010
TANDRAGEE	275	0.995	0.998	0.979	1.000	0.976	0.999	0.978	0.987
TARBERT	110	0.971	0.979	0.996	0.992	0.999	0.995	1.000	0.999
TARBERT	220	0.976	0.982	0.998	0.994	1.001	0.997	1.003	1.002
TAWNAGHMORE	110	1.038	1.000	1.022	1.018	1.027	1.020	1.049	1.019
THORNSBERRY	110	1.017	1.016	1.008	1.006	1.006	1.004	1.004	1.001
THURLES	110	1.067	1.048	1.064	1.044	1.066	1.042	1.071	1.049
TIPPERARY	110	1.045	1.034	1.050	1.035	1.054	1.035	1.057	1.041
TONROE	110	0.993	0.986	0.996	0.997	0.999	1.000	1.003	0.998
TRABEG	110	1.052	1.046	1.045	1.038	1.053	1.042	1.054	1.048
TRALEE	110	1.003	1.007	1.016	1.011	1.020	1.012	1.019	1.015
TRIEN	110	0.985	0.993	1.007	1.003	1.008	1.003	1.007	1.004
TRILLICK	110	0.935	0.882	0.963	0.950	1.007	0.992	0.983	0.954
TULLABRACK	110	0.998	0.989	1.020	1.009	1.030	1.015	1.027	1.018
TURLOUGH HILL	220	0.986	1.008	0.979	0.994	0.978	0.994	0.976	0.992
TYNAGH	220	0.951	0.957	0.958	0.962	0.959	0.964	0.961	0.967
WATERFORD	110	1.042	1.041	1.031	1.031	1.033	1.029	1.035	1.031
WEXFORD	110	1.038	1.028	1.028	1.026	1.034	1.028	1.035	1.027
WHITEGATE	110	1.041	1.039	1.034	1.031	1.043	1.036	1.043	1.041
WOODLAND	220	0.984	0.995	0.976	0.987	0.974	0.988	0.970	0.982
WOODLAND	400	0.978	0.988	0.973	0.984	0.972	0.984	0.968	0.980

