

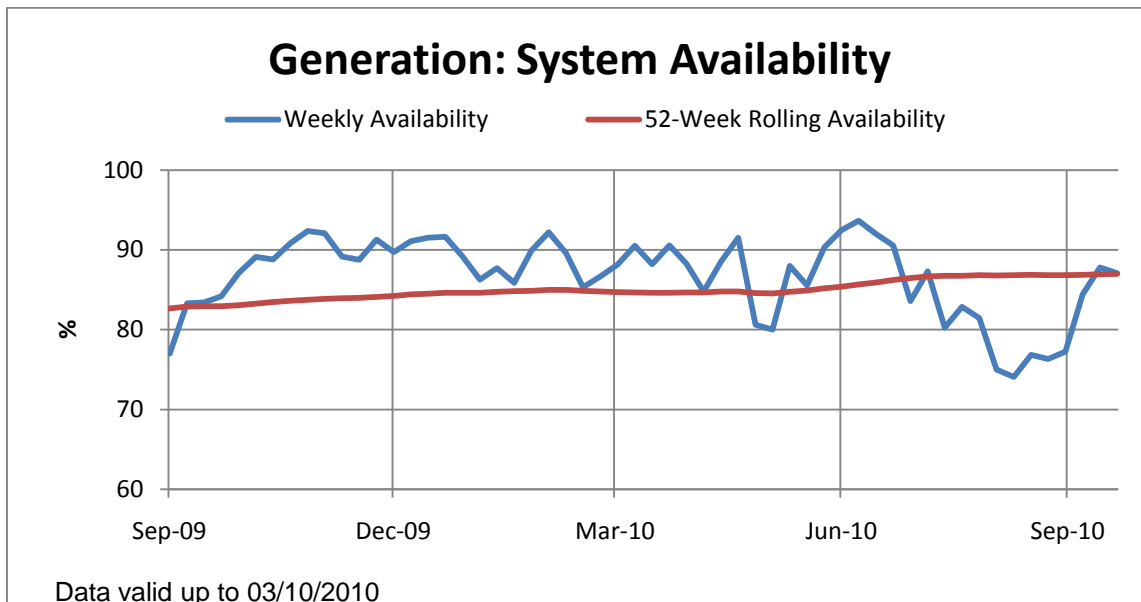


## EirGrid Monthly Availability Report – September 2010

This report, for September 2010, details the availability performance of the centrally-dispatched generation units on the power system and includes an outlook for plant availability over the period from October to December 2010.

### Key Points:

- The forced outage rate increased from 6.9% in August to 8.7% in September
- Edenderry ED3 and ED5 received their operational certificates on 13<sup>th</sup> September and are included in the statistics.
- The monthly system availability increased from 76.8% in August to 82.6% in September. The main outages were the scheduled outages at Turlough Hill U2, Moneypoint U1, Great Island U3 and Erne ER4 and the forced outages at Edenderry ED1, Erne ER2, Lough Ree LR4, Marina MRC, North Wall NWC, and Turlough Hill U1, U3, U4.
- The rolling 52-week availability increased from 86.8% in August to 87.0% in September.



### Definitions

**Availability:** the capacity-weighted percentage of the time from 00:00 Sunday 29<sup>th</sup> August to 00:00 Sunday 3<sup>rd</sup> October that generators were available.

**Forced:** outages where generators are unavailable due to unforeseen/unplanned outages.

**Scheduled:** outages where generators are unavailable due to planned reasons, e.g., for maintenance.

**Ambient** (*seasonal derating*): difference between the **Maximum Capacity** of a generator and the **Dependable Capacity** over a specified period of time.

**Maximum Capacity:** the maximum capacity that a unit can sustain over a specified period of time.

**Dependable Capacity:** the capacity of a unit, when modified for ambient conditions over a specified period of time.

**52-week Rolling Availability:** the average of the unit's **Availability** over the most recent 52 weeks (i.e., past year)

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Unit-by-Unit Average Monthly Availability - September 2010							
Company	Unit	Capacity*	Availability %	Forced %	Scheduled %	Ambient %	52wk Rolling Availability %
Aughinish Alumina Ltd	Seal Rock - SK3	80	97.3	0.0	0.0	2.7	93.1
	Seal Rock - SK4	80	79.1	2.7	13.9	4.3	86.4
Edenderry Power Ltd	Edenderry - ED1	118	52.1	25.2	22.7	0.0	69.3
	Edenderry - ED3	58	65.2	0.0	34.8	0.0	-
	Edenderry - ED5	58	65.2	0.0	34.8	0.0	-
Endesa	Great Island - GI1	54	99.7	0.3	0.0	--	96.8
	Great Island - GI2	54	91.2	8.8	0.0	--	86.4
	Great Island - GI3	109	61.1	0.0	38.9	--	93.7
	Rhode - RP1	52	66.6	0.1	33.3	--	93.9
	Rhode - RP2	52	99.8	0.2	0.0	--	93.1
	Tarbert - TB1	54	100.0	0.0	0.0	--	99.6
	Tarbert - TB2	54	87.2	0.0	12.8	--	98.5
	Tarbert - TB3	243	80.1	0.1	19.8	--	97.3
	Tarbert - TB4	243	100.0	0.0	0.0	--	98.4
	Tawnaghmore - TP1	52	99.9	0.1	0.0	--	98.4
	Tawnaghmore - TP3	52	100.0	0.0	0.0	--	98.5
	ESB Power Generation	Ardnacrusha - AA1	21	99.7	0.3	0.0	--
Ardnacrusha - AA2		22	98.9	1.1	0.0	--	91.4
Ardnacrusha - AA3		19	96.4	0.0	3.6	--	92.2
Ardnacrusha - AA4		24	95.9	4.1	0.0	--	92.2
Aghada - AD1		257	97.2	2.4	0.0	0.4	90.3
Aghada - AD2		442	97.1	1.8	0.0	1.1	-
Aghada - AT1		90	98.2	1.8	0.0	0.0	99.7
Aghada - AT2		90	100.0	0.0	0.0	0.0	98.9
Aghada - AT4		90	100.0	0.0	0.0	0.0	97.3
Erne - ER1		10	100.0	0.0	0.0	--	96.8
Erne - ER2		10	70.7	29.3	0.0	--	97.1
Erne - ER3		23	100.0	0.0	0.0	--	99.5
Erne - ER4		23	0.0	0.0	100.0	--	42.6
Lee - LE1		15	91.0	0.3	8.7	--	89.9
Lee - LE2		4	90.9	0.1	9.0	--	93.9
Lee - LE3		8	61.9	0.0	38.1	--	92.8
Liffey - LI1		15	96.8	0.0	3.2	--	87.6
Liffey - LI2		15	96.8	0.0	3.2	--	72.6
Liffey - LI4		4	84.2	9.2	6.6	--	89.5
Liffey - LI5		4	97.2	0.0	2.8	--	97.3
Lough Ree Power - LR4		90	58.4	41.6	0.0	--	54.3
Moneypoint - MP1		285	56.4	5.6	38.0	--	86.7
Moneypoint - MP2		285	99.4	0.6	0.0	--	91.0
Moneypoint - MP3		285	99.4	0.6	0.0	--	94.8
Marina - MRC		123	63.6	25.0	11.4	0.0	61.7
North Wall - NWC		154	0.0	100.0	0.0	0.0	79.6
North Wall - NW5		109	93.5	6.5	0.0	0.0	94.6
Poolbeg - PB4		154	97.6	0.0	0.0	2.4	95.2
Poolbeg - PB5		150	88.4	3.8	6.1	1.6	94.0
Poolbeg - PB6		173	93.3	2.1	3.3	1.3	92.2
Turlough Hill - TH1		73	0.0	100.0	0.0	--	76.2
Turlough Hill - TH2		73	0.0	0.0	100.0	--	39.9
Turlough Hill - TH3	73	0.0	100.0	0.0	--	76.5	
Turlough Hill - TH4	73	0.0	100.0	0.0	--	74.8	
West Offaly Power - WO4	137	98.3	1.7	0.0	--	85.1	
Synergen	Dublin Bay - DB1	415	86.1	2.7	6.0	5.2	89.0
Tynagh Energy Ltd	Tynagh - TYC	400	86.3	0.4	8.8	4.5	88.6
Viridian Power & Energy	Huntstown - HNC	344	95.0	0.0	0.0	5.0	88.5
	Huntstown - HN2	408	95.4	0.0	0.0	4.6	92.7
<b>System Total Average Availability</b>			<b>82.3</b>	<b>8.7</b>	<b>7.2</b>	<b>1.5</b>	<b>87.0</b>

\* Exported MW values as per Generation Adequacy Report 2008-2014. Note some of the availability statistics are currently based on generated MW values which may give rise to some very small variances.

ISO Week Number		40	41	42	43	44	45	46	47	48	49	50	51	52
Beginning Monday		04-Oct	11-Oct	18-Oct	25-Oct	01-Nov	08-Nov	15-Nov	22-Nov	29-Nov	06-Dec	13-Dec	20-Dec	27-Dec
Station	Unit	October				November				December				
ARDNACRUSHA	AA1													
	AA2													
	AA3													
	AA4													
AGHADA	AD1													
	AD2													
	AT1													
	AT2													
	AT4													
DUBLINBAY	DB1													
EDENDERRY	ED1													S
	ED3													
	ED5													
ERNE	ER1													
	ER2	F	F											
	ER3													
	ER4	S	S	F	F	F	F	F	F	F	F			
GREAT ISLAND	GI1													
	GI2													
	GI3													
HUNTSTOWN	HN2													
	HNC													
LEE	LE1													
	LE2													
	LE3													
LIFFEY	LI1													
	LI2													
	LI4	F	F											
	LI5													
LOUGH REE	LR4													
MONEYPOINT	MP1													
	MP2													
	MP3													
MARINA	MRC													
NORTH WALL	NW5		S											
	NWC	F	F	F	F	F	F	F	F	F	F	F	F	F
POOLBEG	PB4		S											
	PB5													
	PB6		S											
RHODE	RP1													
	RP2													
SEAL ROCK	SK3													
	SK4													
TARBERT	TB1													
	TB2													
	TB3													
	TB4													
TURLOUGH HILL	TH1	F	F	F	F	F	F	F	F	F	F	F	F	F
	TH2	S	S	F	F	F	F	F	F	F	F	F	F	F
	TH3	F	F	F	F	F	F	F	F	F	F	F	F	F
	TH4	F	F	F	F	F	F	F	F	F	F	F	F	F
TAWNAGHMORE	TP1													
	TP3													
TYNAGH	TYC													
WEST OFFALY	WO4													

S = Scheduled Outage F = Forced Outage

**Notes on 3-Month Outlook:**

- (1) Based on information available as of 11<sup>h</sup> October, 3-month Outlook is indicative only and subject to change.
- (2) Some outages of less than 6 days duration are not shown on this outlook (e.g., a weekend outage)