

Summary of Renewable Energy Projects in Scotland - 14 August 2009



Operating Renewables Projects	
TECHNOLOGY	Installed Capacity (Megawatts)
Hydro*	1487.71
Wind	1433.14
Energy from Waste	99.68
Biomass Electricity	79.09
Biomass Heat**	29.41
Wave†	0.50
Tidal†	0.00
TOTAL MW	3129.52

* Not including pump storage

**CHP is split between Heat and Electricity

†Not including testing capacity at EMEC

Renewables Projects in development							
TECHNOLOGY	Under Construction	Resolution to Consent	In Planning	In Appeal	In Scoping	SRO Outstanding	Withdrawn/ Refused
Hydro*	1.4	19.10	12.52	0.00	33.33	5.49	8.40
Wind	794.65	2317.08	3539.18	894.60	2875.21	8.62	3156.88
Energy from Waste	0.23	11.10	8.27	0.00	4.70	40.46	50.00
Biomass Electricity	13.70	41.60	79.00	0.00	66.00	12.90	1.40
Biomass Heat	7.64	0.00	38.92	0.00	25.00	0.00	1.00
Wave	0.00	7.00	0.00	0.00	0.00	0.00	0.00
Tidal	0.00	0.00	0.00	0.00	62.00	0.00	0.00
TOTAL MW	817.618	2395.88	3677.89	894.60	3066.24	67.46	3217.68

HYDRO	Status	No. of Projects	Capacity (MW)
Hydro*	Operating	149	1487.71 * Not including pump storage
	Under Construction	1	1.40
	Resolution to Consent	13	19.10
	In Planning	5	12.52
	In Appeal	0	0.00
	Scoping	14	33.33
Pump Storage	Operating	2	705.00
	Under Construction	0	0.00
	Resolution to Consent	0	0.00
	In Planning	0	0.00
	In Appeal	0	0.00
	Scoping	1	60.00
TOTAL		185	2319.06
Hydro & PS	SRO Outstanding	3	5.49
	Withdrawn / Refused	5	8.40
Total		8	13.89

WIND	Status	No. of Projects	Capacity (MW)	No. Turbines
On-shore	Operating	72	1423.14	895
	Under Construction	17	614.65	331
	Resolution to Consent	79	2317.08	889
	In Planning	87	3539.18	1372
	In Appeal	14	894.60	341
	Scoping	82	2760.21	1143
Off-shore	Operating	1	10.00	2
	Under Construction	1	180.00	60
	Resolution to Consent	0	0.00	0
	In Planning	0	0.00	0
	In Appeal	0	0.00	0
	Scoping	1	115.00	23
TOTAL		354	11853.86	5056
	SRO Outstanding	1	8.62	n/a
	Withdrawn/ Refused	70	3156.88	1477
Total		71	3165.50	1477

ENERGY FROM WASTE	Status	No. of Projects	Capacity (MW)
	Operating	39	99.68
	Under Construction	2	0.23
	Resolution to Consent	4	11.10
	In Planning	2	8.27
	In Appeal	0	0.00
	Scoping	3	4.70
TOTAL		50	123.98
	SRO Outstanding	7	40.46
	Withdrawn / Refused	4	50.00
Total		11	90.46

BIOMASS	Status	No. of Projects	Capacity (MWe)	Capacity (MWth)	Mwe = electricity	MWth = thermal.
	Operating	71	79.09	29.41		
	Under Construction	7	13.70	7.64		
	Resolution to Consent	5	41.60	0.00	**CHP is split between Heat and Electricity	
	In Planning	23	79.00	38.92		
	In Appeal	0	0.00	0.00		
	Scoping	7	66.00	25.00		
TOTAL		113	279.39	100.97		
	SRO Outstanding	1	12.90	0.00		
	Withdrawn / Refused	1	1.40	1.00		
Total		2	14.30	1		

WAVE	Status	No. of Projects	Capacity (MW)
	Operating	2	0.50
	Under Construction	0	0.00
	Resolution to Consent	2	7.00
	In Planning	0	0.00
	In Appeal	0	0.00
	Scoping	0	0.00
TOTAL		4	7.50
	SRO Outstanding	0	0.00
	Withdrawn / Refused	0	0.00
Total		0	0.00

†Not including testing capacity at EMEC

TIDAL	Status	No. of Projects
	Operating	1
	Under Construction	0
	Resolution to	0
	In Planning	0
	In Appeal	0
	Scoping	3
TOTAL		4
	SRO Outstanding	0
	Withdrawn / Refused	0
Total		8

†Not including testing capacity at EMEC