

187 Figures in Tables 11.7a are numbers of schemes. Installed capacities are shown in brackets  
 188 This category is assumed to consist of a variety of different scales of domestic, commercial and 'motorway' scheme  
 189 All totals are exclusive of micro wind and photovoltaics installations

**Table 11.7a Indicative Sub-Regional Breakdown<sup>187</sup> of Target for Total Generating Capacity in 2010 (including existing schemes)**

Indicative Renewable Energy Generation Type/Size	Region-wide Targets	Blackpool, Blackburn & Darwen	Cheshire	Cumbria	Greater Manchester	Lancashire	Merseyside	Warrington & Halton	TOTAL
Offshore wind farms	3 (297)	-	-	-	-	-	-	-	3 (297)
On-shore wind farms	-	2-3 (37.5)	5-7 (82.5)	13-18 (210)	5-7 (90)	9-13 (157.5)	2 (15)	1 (7.5)	37-51 (600)
On-shore wind clusters	-	-	-	-	-	-	-	-	-
Single large wind turbines	-	1 (1.5)	3 (4.5)	4 (9)	8 (12)	6 (9)	6 (9)	2 (3)	30 (45)
Small stand-alone wind turbines	-	2 (0.06)	8 (0.24)	10 (0.3)	12 (0.36)	8 (0.24)	8 (0.24)	2 (0.06)	50 (1.5)
Bldg.-mounted micro-wind turbines	-	Within Lancashire figures	95 (0.095)	75 (0.075)	370 (0.37)	205 (0.205)	190 (0.19)	65 (0.065)	1,000 (1)
Biomass-fueled CHP / electricity schemes	-	0	1 (4)	2 (8)	1 (4)	1 (9)	1 (4)	1 (2.1)	7 (31.1)
Biomass co-firing	2 (103)	-	-	-	-	-	-	-	2 (103)
Anaerobic digestion of farm biogas	-	0	1 (2)	1 (2)	1 (2)	1 (2)	1 (2)	0	5 (10)
Hydro power	-	0	0	8 (2.4)	2 (1)	2 (0.1)	0	0	12 (3.5)
Solar photovoltaics <sup>188</sup>	-	Within Lancashire figures	95 (0.19)	75 (0.15)	370 (0.74)	205 (0.41)	190 (0.38)	65 (0.13)	1,000 (2)
Tidal energy	0	-	-	-	-	-	-	-	0
Wave energy	0	-	-	-	-	-	-	-	0
<b>Energy from waste</b>									
Landfill gas	-	1 (0.5)	7 (16.2)	6 (5.4)	13 (23.7)	13 (19.7)	7 (13.5)	5 (34.4)	52 (113.4)
Sewage gas	-	0	3 (0.7)	0	5 (8.5)	4 (1.2)	2 (2.0)	2 (1.0)	16 (13.4)
Thermal treatment of municipal / industrial waste	-	Within Lancashire figures	0	0	1 (10.5)	0	0	0	1 (10.5)
<b>Total<sup>189</sup></b>	<b>5 (400)</b>	<b>6-7 (39.6)</b>	<b>28-30 (110.4)</b>	<b>44-49 (237.3)</b>	<b>48-50 (153.2)</b>	<b>44-48 (199.4)</b>	<b>27 (46.3)</b>	<b>13 (48.2)</b>	<b>215-229 (1,231.4)</b>

Table 11.7b Indicative Sub-Regional Breakdown <sup>190</sup> of Target for Total Generating Capacity in 2015 (including existing schemes)									
Indicative Renewable Energy Generation Type/Size	Region-Wide Targets	Blackpool, Blackburn & Darwen	Cheshire	Cumbria	Greater Manchester	Lancashire	Merseyside	Warrington & Halton	TOTAL
Offshore wind farms	4 (747)	-	-	-	-	-	-	-	4 (747)
On-shore wind farms	-	2-3 (37.5)	7-10 (120)	15-21 (247.5)	6-8 (97.5)	11-17 (195)	2 (15)	1 (7.5)	44-62 (720)
On-shore wind clusters	-	1 (1.5)	6 (9)	6 (9)	14 (21)	10 (15)	10 (15)	3 (4.5)	50 (75)
Single large wind turbines	-	3 (0.09)	12 (0.36)	15 (0.45)	18 (0.54)	12 (0.36)	12 (0.36)	3 (0.09)	75 (2.3)
Small stand-alone wind turbines	-	Within Lancashire figures	950 (0.95)	750 (0.75)	3,700 (3.7)	2,050 (2.05)	1,900 (1.9)	650 (0.65)	10,000 (10)
Bldg.-mounted micro-wind turbines	-	0	2 (9)	3 (13)	2 (9)	2 (14)	2 (9)	1 (2.1)	12 (56.1)
Biomass-fuelled CHP / electricity schemes	0	-	-	-	-	-	-	-	0
Biomass co-firing	-	1 (2)	2 (4)	2 (4)	2 (4)	2 (4)	1 (2)	0	10 (20)
Anaerobic digestion of farm biogas	-	0	0	8 (2.4)	2 (1)	2 (0.1)	0	0	12 (3.5)
Hydro power	-	Within Lancashire figures	2,375 (4.75)	1,875 (3.75)	9,250 (18.5)	5,125 (10.25)	4,750 (9.5)	1,625 (3.25)	25,000 (50)
Solar photovoltaics <sup>191</sup>	-	2 (30)	-	-	-	-	-	-	2 (30)
Tidal energy	0	-	-	-	-	-	-	-	0
Wave energy	-	-	-	-	-	-	-	-	0
<b>Energy from waste</b>	-	-	-	-	-	-	-	-	-
Landfill gas	-	1 (0.5)	2 (8.7)	3 (3.9)	2 (12)	6 (13.8)	3 (9.7)	2 (30.5)	19 (79.1)
Sewage gas	-	0	3 (0.7)	0	5 (8.5)	4 (1.2)	2 (2.0)	2 (1.0)	16 (13.4)
Thermal treatment of municipal / industrial waste	-	Within Lancashire figures	1 (25)	0	2 (100.5)	0	0	0	3 (125.5)
Total <sup>192</sup>	6 (777)	8-9 (41.6)	35-38 (182.5)	52-58 (284.8)	53-55 (276.2)	49-55 (255.8)	32 (64.5)	12 (49.6)	247-263 (1,931.9)

<sup>190</sup> Figures in Tables 11.7b are numbers of schemes. Installed capacities are shown in brackets

<sup>191</sup> This category is assumed to consist of a variety of different scales of domestic, commercial and 'motorway' scheme. With domestic PV now encouraged via the Grid Regulations the number of domestic installations increases greatly

<sup>192</sup> All totals are exclusive of micro wind and photovoltaics installations