Welsh Assembly Government Planning Division

TAN 8 Progress Update

Review of Wind Farm Developer Interest in Wales

FINAL

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Review of Wind Farm Developer Interest in Wales

October 2007

This report takes into account the particular instructions and requirements of our client

It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party

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1 Introduction

1.1 Project Brief

Arup were commissioned by the Welsh Assembly Government Planning Division in April 2007 to compile onshore wind farm data both within and outside the Strategic Search Areas (SSAs) defined in Technical Advice Note (TAN) 8: *Planning for Renewable Energy* published in July 2005.

The purpose of this exercise is to provide evidence of developer interest, current wind farm planning applications and hence substantiation of progress towards the TAN 8 targets described in Section 1.2. This has been achieved through consultation with local planning authorities who are affected by TAN 8 defined Strategic Search Areas (SSAs); additional information on developments outside these areas has been obtained from the relevant planning internet sites where available. Large areas both within and outside the SSAs are subject to the Forestry Commission Wales (FCW) National Estate wind farm tender, for which the data is unavailable at this time. However, an estimate has been made based on preliminary information and the respective zone capacities of each site location.

The project brief specified that the information should be represented in the form of an updateable spreadsheet to allow for changes to the state of applications, additional applications and any other changes to information post-handover. Further to this, the data is presented spatially on an A3 plan.

1.2 Planning and Policy Background

TAN 8: Planning for Renewable Energy was published by the Welsh Assembly Government in July 2005 to replace TAN 8: Renewable Energy (1996) and in response to the UK Energy White Paper published in 2003. The Ministerial Interim Planning Policy Statement 01/2005 states that:

"The Assembly Government is committed to playing its part by delivering an energy programme which contributes to reducing carbon emissions. It has established specific renewable electricity production targets for Wales of 4TWh per annum by 2010 and 7TWh per annum by 2020. These targets should be seen in the context of the Assembly Government's overall Energy Strategy and its commitment to energy efficiency." Planning policy at all levels should facilitate both.

In the short term, wind-power offers the greatest potential for an increase in the generation of electricity from renewable energy. The Assembly Government accepts that the introduction of new, often very large, structures into the open countryside needs careful consideration to minimise the impact on the environment and landscape. However, the need for wind turbines is established through a global environmental imperative and international treaty, and is a key part of meeting the Assembly Government's targets for renewable electricity production. Therefore, the land use planning system should actively steer developments to the most appropriate locations. Development of a few large scale (over 25MW) wind farms in carefully located areas offers the best opportunity to meet the national renewable energy target."

The UK Government's draft Climate Change Bill, published for public consultation on 13 March 2007, sets out a framework for moving the UK to a low-carbon economy. The draft Bill includes a series of clear targets for reducing carbon dioxide emissions, which the Welsh Assembly Government propose to achieve in part by increased provision of renewable energy.

¹ Welsh Assembly Government Energy Statement, February 2003.

More recently the Welsh Assembly Government's "One Wales" agenda, published on 27 June 2007, contains the following commitment:

"We will following production of an Energy Route Map and an Assembly Government Energy Strategy, review TAN8, revising upwards the targets for energy from renewables, drawn from a range of sources".

Together, these documents provide a solid basis for, and endorsement of, the development of wind farms in Wales.

2 Consultation

The following local planning authorities were consulted to obtain information on levels of developer interest in onshore wind farms:

- Powys County Council
- Carmarthenshire County Council
- Neath Port Talbot County Borough Council
- Conwy County Council
- Denbighshire County Council
- Ceredigion County Council
- Rhondda Cynon Taf County Borough Council
- Bridgend County Borough Council
- Swansea City Council

The data requested included proposed site location / name, MW capacity and state of application, together with additional information on the proposed number of wind turbines and the agent / developer concerned.

3 Data Compilation

The data was compiled in the form of an updateable spreadsheet (**Appendix A**); and additionally represented on a map. **Figure 1** represents the relative state of planning applications and contribution to TAN 8 2010 target for each allocated stage of the planning process;

- pre-application scoping (under the Town and Country Planning Act, 1990)
- Department for Business, Enterprise and Regulatory Reform (BERR) pre-application (under the Electricity Act, 1989)
- pre-application ad-hoc (undetermined due to early stage of application)
- application lodged (under the Town and Country Planning Act, 1990, and the Electricity Act, 1989)
- consented
- operational
- refused appeal lodged (under the Town and Country Planning Act, 1990)

Where applications have been refused permission and no appeal lodged, the capacity has not been included in the calculations.

Those developments with a capacity greater than 50MW are subject to consent under the Electricity Act².

Figure 1 demonstrates the potentially large contribution which may be made by large-scale wind farm developments, and additionally the encouraging number of applications in the system. However, 80% of the applications are currently in a very early stage of the planning process, and the large proposed developments on FCW 's estate (currently assumed to be a minimum of 765MW) make a significant contribution to this.

The table below, from TAN 8, shows the indicative capacity targets for each of the Strategic Search Areas A-G. This information was used to illustrate progress towards these targets (**Figure 2**).

Strategic Search Area	Capacity
A Clocaenog Forest B Carno North C Newtown South D Nant-y-Moch E Pontardawe F Coed Morgannwg G Brechfa Forest	140MW 290MW 70MW 140MW 100MW 290MW 90MW
Total	1120MW

4 Deliverability and Timescales

The following stages are typically involved in the development of wind farm sites:

- 1) Pre-application EIA studies and ES preparation 1-2 years
- 2) Planning consent determination period (planning / BERR) could be 4-18 months depending on response of determining authority and completeness of application
- 3) Discharge of any conditions agreed (1-6 months)
- 4) Order and delivery of turbines/Construction of turbines and rest of wind farm infrastructure including grid connection (up to 12 months)

Stages 1-4 may take up to five years. Additionally;

5) In SSAs A, B, C and D, grid connectivity will require consent under Electricity Act Section 37 for new overhead lines. Some developments in other SSAs may also require such consents. Consent and construction could take over three years, and in some cases it may not be possible to commence this until permission is obtained for sufficient onshore wind generating farms.

Both planning applications and Section 36 / Section 37 applications could trigger public inquiries, which could also further delay the process.

These combined factors may mean that the target for energy production from renewable sources will not be met by 2010; however it is envisaged that these targets could be met by 2011/2012.

² Section 36 of the Electricity Act 1989 is the legislative provision under which the Secretary of State for the Department for Business, Enterprise and Regulatory Reform grants development consents for generating stations above 50 MW.

5 Summary

Although the Welsh Assembly Government has an established target set out in TAN 8 of 800MW of installed onshore capacity the SSAs may be capable of accommodating up to approximately 1120MW of additional capacity. This degree of flexibility is necessary to ensure that the proposals for a total of 800MW come forward by 2010. The amount of developer interest for wind farms within Wales is consequently high, as the need for this resource has already been recognised and is supported by legislation and policy framework from both the Welsh Assembly Government and the UK Government. This is demonstrated in the 'Current MW total in planning system' column (**Figure 2** & **Appendix B**), which suggests that this target may be exceeded in due course.

The results of this study should be taken in a positive light in view of the fact that although the target is unlikely to be met by 2010, there is definite progress towards the target and this is likely to have a consequent positive impact on climate change and related issues.

FIGURES

Figure 1 - Graphical representation of the relative state of planning applications / interest and potential contribution to TAN 8 2010 target

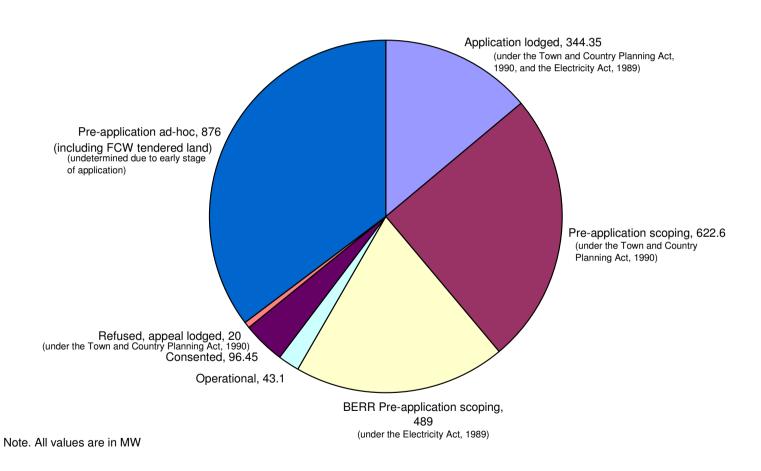
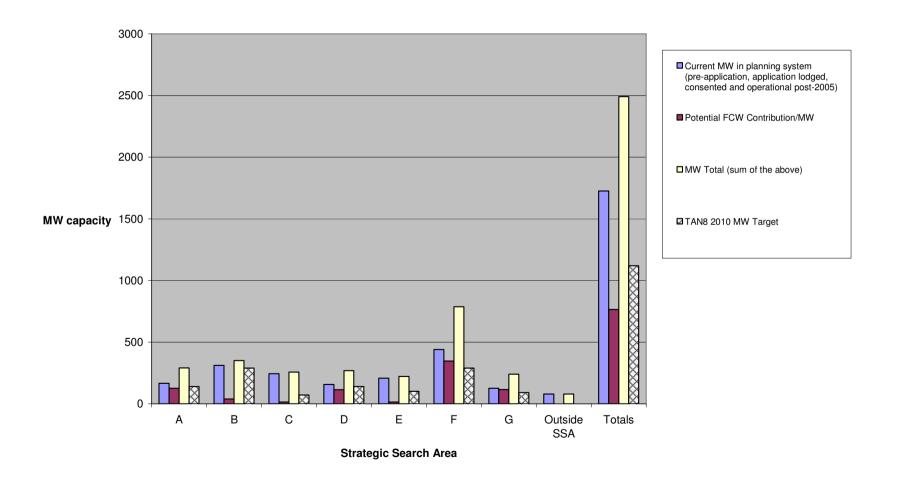


Figure 2 - Graphical representation of planning applications and potential contribution to TAN 8 2010 target (including potential FCW capacities) by SSA (including 'refused, appeal lodged')



Appendix A

Welsh Assembly
Government Renewable
Energy Database Onshore Windfarms

ID Number	Authority	SSA Outside SSA	Site Name / Project Name	Grid Reference	Developer PWEV/Eco2	Agent / Consultant	Estimated Output / MW	Contribution to TANS 2010 target / MW	Number of Turbines	Status	Additional information	
BG1 B1	Blaenau Gwent Bridgend County Borough Council	Outside SSA	Pendragon Fach Pant-y-Wal	SO21350810 SN96049046	PWEV/Eco2 Pennnant Walters	Pennant Walters WYG	5.2	5.2 41	4	Application lodged Application lodged	Blaenau Gwent 295721.67 191366.12	Commercial confidentiality on pre-applications
B2	Bridgend County Borough Council	F	Fforch Nest	SN96559125	Npower	*****	39	39	13	Application lodged	296412.96 191209.01	Location map in 122175/4-38
CA1	Carmarthenshire County Council	Outside SSA	Parc Cynog	225330209780	Nuon Renewables		3.6 7.8	0	5	Operational pre-2005		
CA2 CA3	Carmarthenshire County Council Carmarthenshire County Council	Outside SSA	Parc Cynog Extension Blaen-bowi	225330209780 515917N 042643W	Nuon Renewables Windjen		7.8	7.8	6	Application lodged Operational pre-2005	CCC Ref: W/12246	
CA3	Carmarthenshire County Council	G	Blaen-howi Extension	515917N 042643W	Windjen		3.9	3.9	3	Application Indued	CCC Ref: W/09828	
CA5	Carmarthenshire County Council	G	Blaengwen resubmission	SN46503550	Force9 Energy		30	30	10	Consented	CCC Ref: W/09205	
CA6	Carmarthenshire County Council	G	Brechfa Forest SSA	SN51453765	Not known		23	23	Not known	Pre-application scoping	Estimated from SSA G Zone 5, 6 capacity	
CA7 CA8	Carmarthenshire County Council Carmarthenshire County Council	G	Llanfynydd Energy Park Mynydd-y-Betws	SN55952918 SN66901030	Gamesa Energy Cambrian Renewable Energy Ltd		32 36.8	32 36.8	Not known 16	Pre-application scoping Consented	Estimate obtained from Gamesa Energy website CCC Ref: E/10446	EA in prep.
CA9	Carmarthenshire County Council	Outside SSA	Dyffryn Brodyn	515209N 043325W	New World Power/RES UK Ltd		5.5	30.6	11	Operational pre-2005	CCC Rel: E/10446	
X	Carmarthenshire County Council	G	Blaengwen	SN46503550	Force9 Energy		30	0	10	Refused	CCC Ref: W/14257	
CE2	Ceredigion County Coucil	Outside SSA	Llangwyryfon	521826N 040143W	First Windfarm Holdings Ltd		9.35	0	11	Operational pre-2005		
CE3 CE4	Ceredigion County Coucil	Outside SSA Outside SSA	Rheidol Cefn Croes	522412N 035256W 522418N 034503W	E-on RDC		2.4 58.5	0	8 39	Operational pre-2005 Operational pre-2005		
CE5	Ceredigion County Coucil Ceredigion County Coucil	Outside SSA	Mynydd Gorddu	522416N 034503W 522718N 035820W	Noower		10.2	0	19	Operational pre-2005 Operational pre-2005		
			,.,	Not specified, but								
				possibly in range								
CF6	Ceredigion County Coucil	D	None	SN70808760 - SN69709400	Natural Power	None	9	9	Not known	Pre-application ad-hoc	Not prepared to disclose precise site	Estimated from SSA D Zone 13 capacity
CEO	Ceredigion County Coucii	ь	None	31405705400	Natural Power	None	9	9	NOI KHOWH	Pre-application ac-noc	Inspector awaiting fuller information on potential impact of gri	
CE7	Ceredigion County Coucil	Outside SSA	Rhos Garn	SN44505230	RES Developments Ltd	Dulas Ltd & Albro Planning	20	20	10	Refused, appeal lodged	connection prior to considering appeal further	
CE8	Ceredigion County Coucil	D	Dynyn Hill Wind Power Project	SN69909520	Wavecrest Capital Ltd	Poyry Energy Ltd	22	22	11	Pre-application ad-hoc	Pre-feasibility study	
CE9 CO1	Ceredigion County Coucil	D Outside SSA	Moel Fferm Mawla (Moel Maelogen)	SN70708940 530808N 034300W	Airtricity	Dulas Ltd	44 1.3	44	22	Pre-application scoping	Scoping meeting held 21/05/07	
CO2	Conwy County Borough Council Conwy County Borough Council	Outside SSA	Moel Maelogen	530808N 034300W	Energiekontor Cwmni Gwynt Teg Cyf		2.6	0	2	Operational pre-2005 Operational pre-2005	Awaiting additional information from CCBC	
CO3	Conwy County Borough Council	Α	Nant Bach	530045N 033009W	Nuon Renewables	Dulas	30	30	13	Application lodged		
CO4	Conwy County Borough Council	Outside SSA	Haffoty Ucha	SH 938457	Tegni		0.6	0	1	Operational pre-2005	Gwynedd	
CO5 CO6	Conwy County Borough Council Conwy County Borough Council	Outside SSA Outside SSA	Haffoty Ucha II Haffoty Ucha III extension	SH 938457 SH 938457	Tegni Tegni		1.7 0.85	0 0.85	2	Operational pre-2005 Operational	Gwynedd Gwynedd	
D1	Denbighshire County Council	A A	Tir Mostyn/Foel Goch	SJ00515812	Windjen		21.25	21.25	25	Operational	SJ 0058	
D2	Denbighshire County Council	A	Derwydd Bach	SJ03214910	Tegni		22.1	22.1	25	Pre-application scoping	SJ 0349	
D3	Denbighshire County Council	A	Wern Ddu	SJ05124721	Tegni		6.5	6.5	5	Consented	SJ0547	
D4 D5	Denbighshire County Council Denbighshire County Council	A	Wern Ddu Gorsedd Bran	SJ05124721 SJ97435921	Tegni		8 28	8 28	4	Consented Pre-application scoping	\$J0547 \$J9759	
D6	Denbighshire County Council Denbighshire County Council	A	Gorsedd Bran Brenig	SJ97435921 SJ99565706	Brenia Wind Ltd		28 50	28 50	13	Application scoping Application Indeed	\$J9/59 \$J9957	
FCW1	Forestry Commission bid	B	Dyfnant Forest	SH98351624	Not known		38	38	Not known	Pre-application ad-hoc	Estimated from SSA B Zone 10 capacity	Approximate locations
FCW10	Forestry Commission bid	F	Bryn Du	SN97650015	Not known		3	3	Not known	Pre-application ad-hoc	Estimated from SSA F Zone 46 capacity	Approximate locations
FCW11	Forestry Commission bid	C	Bryn Llyndwr	SO05408260 SO05567652	Not known		6	6	Not known	Pre-application ad-hoc	Estimated from SSA C Zone 9 capacity Estimated from SSA C Zone 12 capacity	Approximate locations
FCW12 FCW13	Forestry Commission bid Forestry Commission bid	C E	Red Lion Hill Mynydd Margam	SO05567652 SS81458895	Not known Not known		8 41	8 41	Not known Not known	Pre-application ad-hoc Pre-application ad-hoc	Estimated from SSA C Zone 12 capacity Estimated from SSA F Zone 1, 2, 3, 5 capacities	Approximate locations Approximate locations
FCW13	Forestry Commission bid	F	Troed-y-rhiw	SS83729790	Not known		21	21	Not known	Pre-application ad-hoc	Estimated from SSA F Zone 13, 45 capacities	Approximate locations Approximate locations
FCW15	Forestry Commission bid	F	Mynydd Caerau	SS87409432	Not known		19	19	Not known	Pre-application ad-hoc	Estimated from SSA F Zone 20 capacity	Approximate locations
FCW16	Forestry Commission bid	F	Ogmore Forest	SS94018998	Not known		7	7	Not known	Pre-application ad-hoc	Estimated from SSA F Zone 34 capacity	Approximate locations
FCW17 FCW18	Forestry Commission bid Forestry Commission bid	F	Mynydd William Meyrick (NE) St Gwynno Forest	SS95509345 ST02659640	Not known Not known		3 39	3 39	Not known Not known	Pre-application ad-hoc Pre-application ad-hoc	Estimated from SSA F Zone 31 capacity Estimated from SSA F Zone 29 capacity	Approximate locations Approximate locations
FCW18	Forestry Commission bid	<u> </u>	Clocaenog Forest	SJ01005350	Not known		125	125	Not known	Pre-application ad-noc	Estimated from SSA P Zone 29 capacity Estimated from SSA A Zone 1m, 10, 11 capacities	Approximate locations Approximate locations
FCW3	Forestry Commission bid	Ğ	Brechfa Forest South	SN48953250	Not known		64	64	Not known	Pre-application ad-hoc	Estimated from SSA G Zone 1, 3, 4 capacities	Approximate locations
FCW4	Forestry Commission bid	G	Brechfa Forest North	SN57523645	Not known		50	50	Not known	Pre-application ad-hoc	Estimated from SSA G Zone 8, 10, 11 capacities	Approximate locations
FCW5 FCW6	Forestry Commission bid Forestry Commission bid	D	Esgair Fraith Mynydd Bychan	SN74459173 SN77359260	Not known Not known		96 17	96 17	Not known Not known	Pre-application ad-hoc Pre-application ad-hoc	Estimated from SSA D Zone 2, 6, 11, 16 capacities Estimated from SSA D Zone 9 capacity	Approximate locations Approximate locations
FCW6	Forestry Commission bid	E	Hirfynydd (SW)	SNR0900385	Not known		14	14	Not known	Pre-application ad-noc	Estimated from SSA E Zone 9 capacity	Approximate locations Approximate locations
FCW8	Forestry Commission bid	F	Tyle Mawr	SN88250201	Not known		171	171	Not known	Pre-application ad-hoc	Estimated from SSA F Zone 8, 9, 10, 11, 12, 17, 25 capacitie	
FCW9	Forestry Commission bid	F	Mynydd Tynewydd	SN94150040	Not known		43	43	Not known	Pre-application ad-hoc	Estimated from SSA F Zone 26 capacity	Approximate locations
G1	Gwynedd	Outside SSA	Braich Ddu	SJ 013408	Cornwall Light and Power		4.5	4.5	3 14	Consented Operational pre-2005	Gwynedd	
G2 G3	Gwynedd Gwynedd	Outside SSA Outside SSA	Trysglwyn Rhyd-y-Groes	532228N 042043W 532446N 042554W	Npower E-on		5.6 7.2	0	14 24	Operational pre-2005 Operational pre-2005	Gwynedd Gwynedd	
MT1	Merthyr Tydfil	Outside SSA	Merthyr Common	SO07521015	Bheara		11.5	11.5	5	Application lodged	Merthyr Tydfil	
N1	Neath Port Talbot County Borough Council	E	Mynydd Marchawel	SN76800253	RES UK Ltd		32	32	Not known	Pre-application scoping	Estimated from SSA E Zone 5 capacity	
N10	Neath Port Talbot County Borough Council	Outside SSA	Port Talbot Coast	SS76008735	E-on		2	2	1	Pre-application scoping		based on 2MW turbines
N11 N12	Neath Port Talbot County Borough Council Neath Port Talbot County Borough Council	Outside SSA	Foel Ffynyddu Tonmawr	SS77959410 SS81529605	Not known Acciona		16	16	Not known Not known	Pre-application scoping Pre-application scoping	Estimated from SSA F Zone 19 capacity Estimated from SSA F Zone 13 capacity	
N13	Neath Port Talbot County Borough Council	F	Maesteg	SS82698951	RDC		23	23	17	Pre-application scoping	Estimated from SSA F Zone 2, 3 capacities	
N14	Neath Port Talbot County Borough Council	F	Ffynnon Oer	SS84489877	Entec		21	21	16	Operational		
N15	Neath Port Talbot County Borough Council	F	Llynfi Renewable Energy Park	SS89009561	Gamesa Energy		70	70	14	Pre-application scoping		based on 5MW turbines
N16 N2	Neath Port Talbot County Borough Council Neath Port Talbot County Borough Council	E	Hirfynydd Varteg Hill	281210 206190 SN77240650	Acciona West Coast Energy		30 10	30	14	Pre-application ad-hoc Pre-application scoping		based on 2MW turbines
N3	Neath Port Talbot County Borough Council	Ē	Crynant	SN80480587	Energy Tech/Acciona		17	17	Not known	Pre-application scoping	Estimated from SSA E Zone 2 capacity	DEDUC ON EMPT TOTOLICS
N4	Neath Port Talbot County Borough Council	E	Seven Sisters	SN83000654	RDC		23	23	19	Pre-application scoping	Estimated from SSA E Zone 1 capacity	
N5	Neath Port Talbot County Borough Council	F	Dyffryn	284480E 194262N	Not known		4	4	Not known	Pre-application scoping	Estimated from SSA F Zone 6 capacity	
N6 N7	Neath Port Talbot County Borough Council Neath Port Talbot County Borough Council	E	Maesgwyn Resolven	SN86300852 SN88000210	Pennant Walters RDC		45 143	45 143	15 94	Application lodged Pre-application scoping	Estimated from SSA F Zone 9, 10, 11, 12, 14, 25 capacity	
N8	Neath Port Talbot County Borough Council	F	Glyncorrwa	SN88460052	ECO2		12	143	4	Pre-application scoping Pre-application scoping	Estimated from SSA F Zone 9, 10, 11, 12, 14, 25 capacity	
N9	Neath Port Talbot County Borough Council	Outside SSA	Drymau	SS72479989	Acciona		2	2	Not known	Pre-application scoping	Estimated from SSA F Zone 8, 9 capacities	
X	Neath Port Talbot County Borough Council	E	Mynydd y Gwrhyd	SN72561045	Awel Aman Tawe		10.96	0	4	Refused		
PE1	Pembrokeshire Powys County Council	Outside SSA Outside SSA	Castle Pill Farm Brvn Titli	514327N 050026W 522203N 033351W	Energy Tech Noower		0.5 9.9	0	1 22	Operational pre-2005 Operational pre-2005	Pembrokeshire	
P10	Powys County Council	R R	Mynydd Waun Fawr, Llanerfyl	SJ01100629	Nuon Renewables	Entec	48	48	24	Pre-application scoping	PCC Ref: MPRE2005 0433	
P11	Powys County Council	Ď	Mynydd y Gwynt, Y Foel, Llangurig	SN82008498	Not known	ADAS	81	81	27	BERR Pre-application		based on 3MW turbines
P12	Powys County Council	В	Camo Extension, Carno	SN91259750	Amegni	Dulas	15.6	15.6	12	Application lodged	PCC Ref: M2003 1156	
P13	Powys County Council	C	Llandinam Extension	SO02458052 SO02508295	CeltPower CeltPower	Ingenco Ltd	23 50	23 50	23 Not specified	Application lodged BERR Pre-application	PCC Ref: M2000 0705	Unlikely to proceed Estimated 50MW capacity
P15	Powys County Council	Ċ	Bwich v Sarnau	SO04957950	Not known	RPS Group Pic	70	50 70	Not specified	BERR Pre-application		Estimated bowww capacity
P16	Powys County Council	č	Llanbadam Fynydd	SO09318075	Nuon Renewables	Entec	50	50	Not specified	BERR Pre-application		Estimated 50MW capacity
P17	Powys County Council	C	sarreg Llwyd Hill, Llanbadarn Fynyd	d SO13458001	RES UK Ltd	Enviros	50	50	25	BERR Pre-application		based on 2MW turbines
P18 P19	Powys County Council	В	Cemmaes 3 Waun Gamo	SH88200829 SN91909355	Acciona		30 20	30 20	Not known	Pre-application ad-hoc		
P19 P2	Powys County Council Powys County Council	Outside SSA	Waun Gamo Llandinam P&L	522611N 032449W	Acciona Eurus Energy/Ecogen Ltd		30.9	20	Not known 103	Pre-application ad-hoc Operational pre-2005		
P3	Powys County Council	B	Carno	523302N 033601W	Npower		33.6	ŏ	56	Operational pre-2005 Operational pre-2005		
P4	Powys County Council	В	Mynydd Clogau	523449N 032559W	RES		14.45	0	17	Operational pre-2005		
P5	Powys County Council Powys County Council	В	Cemmaes Carnedd Wen, Llanbrynmair/Banw	523838N 034045W SH92520988	First Windfarm Holdings Ltd Noower		15.3 50	0 50	18 Not specified	Operational pre-2005		Estimated 50MW capacity
P6 P7	Powys County Council Powys County Council	B	Carnedd Wen, Llanbrynmair/Banw Llanbrynmair South	y SH92520988 SH95500635	Npower RES UK Ltd		50 88	50 88	Not specified 44	BERR Pre-application BERR Pre-application	PCC Ref: MPRE2006 0136	Estimated 50MW capacity based on 2MW turbines
P8	Powys County Council	В	Pen Coed, Llangadfan	SH97830854	Gamesa Energy	Hyder	20	20	10	Pre-application scoping	PCC Ref: MPRE2005 0432	
P9	Powys County Council	B	Mynydd yr Hendre, Carno/Dwyriw	SH99510143	Awel Newydd Cyf	West Coast Energy	40	40	20	Pre-application scoping	PCC Ref: MPRE2005 0434	based on 2MW turbines
R1	Rhondda Cynon Taff County Borough Council		Taff Ely	513346N 032909W	Perma Energy/Npower	==	9	0	20	Operational pre-2005		
R2 R3	Rhondda Cynon Taff County Borough Council	F	Ferndale Maerdy	SN95460025 SN95550035	E-on Panauphia Engray Portagophia		10.4 24	10.4	8	Consented	Location map in 122175/4-39	
R4	Rhondda Cynon Taff County Borough Council Rhondda Cynon Taff County Borough Council	F	Maerdy Hirwaun	SN95800310	Renewable Energy Partnerships Pennant Walters		24 36	24 36	8 12	Application lodged Application lodged	Location map in 122175/4-38	
R5	Rhondda Cynon Taff County Borough Council	Outside SSA	Trane Farm	SS98508915	Gamesa Energy UK		11.9	0	14	Refused	Location map in 122175/4-41	
R6	Rhondda Cynon Taff County Borough Council	Outside SSA	Mynydd Portref	SS99008575	Tegni Cymru Cyf		9.35	9.35	11	Application lodged	Location map in 122175/4-40	
R7 S1	Rhondda Cynon Taff County Borough Council		Graig Fatha	ST00858540 513633N 035520W	Not known	Natural Power Consultants Ltd	4.5 0.25	4.5 0.25	3	Pre-application scoping		based on 1.5MW turbines
S1 S2	Swansea City Council Swansea City Council	Outside SSA Outside SSA	Swansea Docks Waunarlwydd	513633N 035520W 513821N 040052W	Energy Tech Energy Tech		U.25 3	0.25 3	2	Consented Application lodged		
S3	Swansea City Council	E	Mynydd y Gwair	SN66100790	Npower		50	50	34	BERR Pre-application		
YM1	Ynys Mon	Outside SSA	Llyn Alaw	532148N 042659W	Npower		20.4	0	34	Operational pre-2005	Anglesey	

Appendix B

Current MW total in planning system

(i) Current MW in
planning system
(pre-application,
application lodged
consented and

SSA	operational post- 2005)	(ii) Potential FCW Contribution/MW	MW Total (sum of columns i and ii)	TAN8 2010 MW Target
Α	165.85	125	290.85	140
В	311.6	38	349.6	290
С	243	14	257	70
D	156	113	269	140
Е	207	14	221	100
F	439.4	347	786.4	290
G	125.7	114	239.7	90
Sub-total				
(SSAs A-G)	1648.55	765	2413.55	1120
Outside SSA	77.95	0	77.95	0
TOTAL	1726.5	765	2491.5	1120