

## **Wind power installed capacity in Spain increased by 1,516 MW in 2010, the lowest rhythm in seven years**

- Wind energy closed the year at **20.676,04 MW**, slightly above the target of the **2005-2010 Renewable Energies Plan**
- The Pre-Allocation Register and the uncertainty over the future regulatory framework have slowed down the sector
- The new regulatory framework is needed as soon as possible to ensure the future development of the industry

**Madrid, January 20<sup>th</sup>, 2011.**- 2010 has been a difficult year for the wind energy sector, as the slowdown in its growth shows. In total, 1,515.95 MW were installed in Spain, an increase of **8%** over the previous year, the slowest growth since 2003 in absolute terms. The installed capacity in Spain by December 31st stood at **20.676,04 MW**, slightly above the target set in the 2005-2010 Renewable Energies Plan of 20,155 MW.

The **Spanish Wind Energy Association (AEE)**, who keeps track of all the sector's companies in Spain and takes the final operational act as the reference to calculate the installed capacity, had already warned of this situation because of the impact of the new Pre-Allocation Register, which started functioning in mid-2009. In addition, the uncertainty generated by the lack of a new regulatory framework that will establish the rules of the game from 2013 onwards, and the economic crisis have caused the suspension of orders and job losses, mainly in the industrial sector.

There are under **3,000 MW** in the Pre-Allocation Register for 2011 and 2012. Thereafter, it is unknown the remuneration that the facilities will receive or the system that will be used, a situation that slows down the installation of future wind farms. This is important as Spain, like all European Union countries, must comply with the objective of reaching final energy consumption from renewable sources of 20% by 2020, a goal for which wind energy is essential. According to forecasts in the National Renewable Energy Action Plan (NREAP) sent by the Government to Brussels, Spain is expected to

have by 2020 **35,000 MW of onshore wind** and **3,000 MW of offshore wind**. It is necessary, without further delay, to clarify the sector's future regulatory framework to meet these objectives.

**Castile and Leon** was in 2010 for second year in a row, the region that installed more wind power, with **917 MW**, 60.4% of the new installed capacity in Spain, followed by **Catalonia** with new 326.87 MW, and **Andalusia** with 139.41 MW. Thus, Castile and Leon continues to lead the ranking of total installed capacity by regions, followed by **Castile-La Mancha** (with 6 MW installed in 2010) and **Galicia** (54.80 MW).

Many regions (Andalusia, Aragon, Canary Islands, Cantabria, Catalonia, Extremadura and Galicia) held tenders in 2010 and awarded wind power capacity above 7,000 MW. However, in the absence of the new regulatory framework, when or how this power could be installed is unknown.

#### Wind power by region

REGION	TOTAL INSTALLED CAPACITY AT 31/12/2010	NEW CAPACITY (MW)	% VARIATION 2010/2009	TOTAL WIND FARMS
Castilla y León	4,803.82	917.02	23.59%	204
Castilla-La Mancha	3,709.19	6.00	0.16%	121
Galicia	3,289.33	54.80	1.69%	150
Andalucía	2,979.33	139.41	4.91%	130
Aragón	1,764.01	10.20	0.58%	76
Comunidad Valenciana	986.99	0.00	0.00%	30
Navarra	968.37	6.60	0.69%	45
Cataluña	851.41	326.87	62.32%	33
La Rioja	446.62	0.00	0.00%	14
Asturias	355.95	0.00	0.00%	15
País Vasco	153.25	0.00	0.00%	7
Murcia	189.91	37.60	24.69%	11
Canarias	138.92	0.00	0.00%	47
Cantabria	35.30	17.45	97.76%	3
Baleares	3.65	0.00	0.00%	3

Source: [AEE](#)

Regarding developers, **Iberdrola Renovables** continues to lead the Spanish ranking, with a total of **5,168.50 MW**. It was the company that installed more MW in 2010, with the addition of 289.22 MW. Also, over 200 MW were installed during the year by **EDPR** (249.78 MW) and **Govade** (232.52 MW). In the ranking of total installed power, **Acciona** continues in second place with 4,036.82 MW, followed by EDPR with 1,862.92 MW.

#### Installed capacity by developers

COMPANY	NEW CAPACITY (MW)	TOTAL INSTALLED CAPACITY AT 31/12/2010 (MW)	% VARIATION 2010/2009	MARKET SHARE (%)
IBERDROLA RENOVABLES	289.22	5,168.50	5.9%	25.0%
ACCIONA ENERGÍA	40.00	4,036.82	1.0%	19.5%
EDPR	249.78	1,862.92	15.5%	9.0%
EUFER	52.57	913.78	6.1%	4.4%
ENEL GREEN POWER ESPAÑA	83.00	807.51	11.5%	3.9%
EyRA	34.88	774.26	4.7%	3.7%
OLIVENTO	0.00	421.79	0.0%	2.0%
ENERFÍN	0.00	404.54	0.0%	2.0%
AERSA	0.00	390.69	0.0%	1.9%
GAS NATURAL	0.00	380.14	0.0%	1.8%
EO LIA RENOVABLES	36.00	367.74	10.9%	1.8%
E.ON RENOVABLES	14.58	321.33	4.8%	1.6%
GAMESA ENERGÍA	98.00	280.95	53.6%	1.4%
MEDWIND (*)	0.00	245.25	0.0%	1.2%
MOLINOS DEL EBRO	0.00	235.16	0.0%	1.1%
GOVADE	232.52	232.52		1.1%
GEAL, S.A.	31.31	231.06	15.7%	1.1%
IBEREÓLICA	0.00	158.90	0.0%	0.8%
EÓLICA DE NAVARRA	0.00	149.11	0.0%	0.7%
FERSA	37.80	141.88	36.3%	0.7%
ELECDEY	29.70	140.09	26.9%	0.7%
RENOVALIA	0.00	105.00	0.0%	0.5%
OTHERS	286.59	2,906.10	10.9%	14.1%
TOTAL	1,515.95	20,676.04	8%	100%

Source: [AEE](#)

AEE takes the final operational act as the reference to calculate the installed power, which, in some occasions, does not match up with the data published by developers.

The total figure by developers is linked to the attributed power according to their shareholding percentage in wind farms.

(\*) Renomar has a total of 490.5 MW. Acciona owns 50% of this company, so the table only reflects the 50% owned by Medwind.

Among manufacturers, **Gamesa**'s wind turbines amounted to 760.7 MW in 2010. The company holds the top spot on the ranking with a total of 11,108.07 MW. **Vestas** remains in second place with new installed capacity of 500.4 MW and a total of 3,528.72 MW. **Alstom Wind** moves into third place with a total of 1,559.85 MW after installing 141.78 MW in 2010.

#### Installed capacity by manufacturers

COMPANY	NEW CAPACITY (MW)	TOTAL INSTALLED CAPACITY AT 31/12/2010	% VARIATION 2010/2009	MARKET SHARE (%)
GAMESA	760.67	9.846.34	8.4%	47.6%
VESTAS	500.40	3.528.72	16.5%	17.1%
ALSTOM-WIND	141.78	1.559.85	10.0%	7.5%
ACCIONA WIND				
POWER	0.00	1.455.15	0.0%	7.0%
MADE	0.00	1.261.73	0.0%	6.1%
GE	94.50	1.203.20	8.5%	5.8%
SIEMENS	0.00	727.10	0.0%	3.5%
ENERCON	0.00	484.60	0.0%	2.3%
SUZLON	0.00	218.00	0.0%	1.1%
NORDEX	0.00	135.18	0.0%	0.7%
DESA	0.00	101.02	0.0%	0.5%
LAGERWEY	0.00	37.50	0.0%	0.2%
M-TORRES	6.60	36.90	21.8%	0.2%
KENETECH	0.00	36.90	0.0%	0.2%
REPOWER	0.00	25.00	0.0%	0.1%
FUHLANDER	12.00	12.00		0.1%
OTHERS	0.00	6.86	0.0%	0.0%
TOTAL	1,515.95	20,676.04	7.91%	100.00%

Source: [AEE](#)

Wind power covered **16.6%** of the electricity demand in Spain in 2010 (according to **Red Eléctrica de España**, the Spanish system operator) and continues as the third technology in the system, after nuclear power and combined cycles. Wind energy's installed capacity could meet the electricity needs of two thirds of Spanish households. In 2010, the electricity sector reduced its CO<sub>2</sub> emissions by **26%** thanks to wind energy.

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