# **Operating Data Preview 1H24**

Madrid, July 15th, 2024

# edo

## Key Highlights

 $EDPR added + 0.8\,GW of new capacity during the 1H24 (vs. + 0.5\,GW in 1H23), with the total portfolio reaching 16.6\,GW.$ 

- During the last 12 months, EDPR added + 2.9 GW of capacity: +1.8 GW in North America, +0.5 GW in Europe, +0.4 GW in South America and +0.2 GW in APAC.
- The +0.8 GW of capacity added in this 1H24 was all solar, of which 86% in US, 6% in APAC, 5% in Brazil, and 3% in Europe.
- As of Jun-24, capacity under construction stood at 4.5 GW (vs. 4.4 GW in Dec-23), with 0.9 GW of projects starting construction during the 1H24. By technology, 2.6 GW is solar, 1.2 GW is wind onshore and 0.7 GW is wind offshore (related to our 50% stake in OW). By regions, 1.5 GW were under construction in US (out of which 0.2 GW of collocated storage), 1.1 GW in Europe, 1 GW in South America, 0.1 GW in APAC and the 0.7 GW OW's offshore projects under construction in UK and France.
- The installed capacity evolution in 1H24, include the impact from 3 Asset rotation transactions. In 1Q24, one deal in US for an 80% stake in a 0.3 GW solar portfolio, and another deal in Canada for an 80% stake in a 0.3 GW wind project. In 2Q24, the asset rotation of 100% in a 0.2 GW wind portfolio in Italy, with the respective asset rotation gain to be booked in 2Q24. These transactions amounted to 0.8 GW of total gross renewable capacity rotated for a combined multiple of EV/MW of €1.6m/MW.
- EDPR renewables index, which reflect deviations of renewables' resources vs. long term average stood at 100% for 1H24 (vs. 5% below LT avg. in 1H23), following the combination of a strong recovery of wind resources in North America and Europe (respectively 2% and 1% above LT avg. in 1H24) and the persistent weak wind resources in Brazil (18% below LT average in 1H24).
- All in all, EDPR generation increased 5% YoY to 18.9 TWh, with Europe and North America representing 31% and 57% of total generation output, respectively. By technology mix, 88% of the generation belongs to wind onshore while 13% to solar. In North America, generation rose +15% YoY driven by new additions and normalization of wind conditions. In Europe, generation increased +4%YoY, driven by higher average MWs in operation, reflecting the net impact from capacity additions and asset rotation transactions closed in 2H23 in Spain and Poland and the recovery of renewable resources. In South America, generation decreased -41% driven by i) extremely low wind resources and, ii), asset rotation transaction closed in Brazil in 4Q23 iii) concentration of maintenance works in a period of low wind resources reducing revenues losses. APAC generation increased 21% YoY, following the additions of solar capacity made during the year, already representing 4% of all EDPR generation.
- EDPR will release 1H24 results on July 26th, before the opening of the Euronext Lisbon. A conference call will take place on the same day at 9:30 CET | 8:30 UK/Lisbon.

### Installed Capacity Additions (1) AR/Decom. EBITDA + Eq. MW 1H24 1H23 5.756 (194)5.951 +474 (668)Europe North America 8,611 7,297 +1,825 (511) +1,314 South America 1.289 1.114 +436 (261)+175 +160 APAC 955 806 (12)+149 EDPR 16,611 15,167 +2,895 (1,452) +1,444 Onshore Wind 12.556 12,833 Solar Utility Scale 2.948 1.360 +1.869 (281)+1.588 +156 Solar DG 808 651 +159 (3)+56 Storage 57 +56 Offshore Wind 243 322 (79)(79)

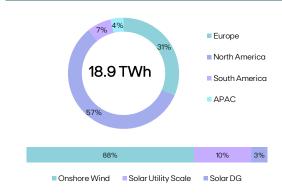
# 6% 16.6 GW 52% Europe North America South America APAC

Installed Capacity by Region

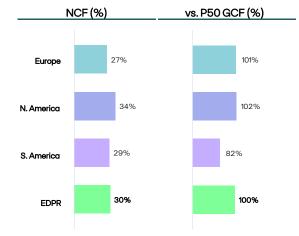
## **Electricity Generation**

GWh	1H24	1H23	YoY
Spain	2,258	2,354	(4%)
Portugal	1,584	1,306	+21%
Rest of Europe	2,263	2,207	+3%
Europe	6,105	5,867	+4%
US	9,534	8,404	+13%
Canada & Mexico	1,231	917	+34%
North America	10,765	9,321	+15%
Brazil & Chile	1,313	2,210	(41%)
South America	1,313	2,210	(41%)
APAC	710	588	+21%
EDPR	18,893	17,986	+5%
Onshore Wind	16,597	16,633	(0.2%)
Solar Utility Scale	1,808	1,019	+77%
Solar DG	489	333	+47%

# Generation by Region and Technology



Load Factor			
NCF (%)	1H24	1H23	YoY
Spain	26%	26%	+0.6pp
Portugal	29%	27%	+3pp
Rest of Europe	27%	28%	-1pp
Europe	27%	27%	+0.5pp
US	34%	33%	+1pp
Canada & Mexico	36%	35%	+1pp
North America	34%	33%	+1pp
Brazil	29%	32%	-3pp
South America	29%	32%	-Зрр
APAC	18%	18%	-0.5pp
EDPR	30%	30%	+0.5pp
Onshore Wind	31%	31%	+1pp
Solar Utility Scale	25%	25%	-0.3pp
Solar DG	14%	13%	+0.3pp



# Renewables Index (vs. P50 Gross Capacity Factor)

(%)	1H24	1H23	YoY
EDPR	100.3%	95.2%	+5.1pp

(1) Additions include Equity portfolio adjustments in Spain of 36 MW as reported in FY23.

(2) AR/Decom. YoY variation considers a ~12 MW variation in APAC due to ac/dc real conversion and the decommisioning of 1 MW of Wind in Brazil. Considers also AR Italian project. Note: Solar includes Solar Utility Scale + DG technology and Storage. Solar capacity and solar load factors reported in MWac.

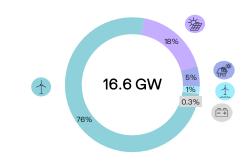
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Installed Capacity					
			2024		
MW	1H24	Additions	AR/Decom.	(1) YTD	U/C
Spain	2,042	-	-	-	356
Portugal	1,413	-	- (0)	-	-
Rest of Europe	1,919	+29	(191) <sup>(2)</sup>	(162)	714
Europe	5,373	+29	(191)	(162)	1,070
US	7,266	+717	(341)	+376	1,519
Canada & Mexico	625	-	(297)	(297)	-
North America	7,891	+717	(638)	+78	1,519
Brazil	1,207	+42	(1)	+42	537
Colombia & Chile	83	-	=	-	504
South America	1,289	+42	(1)	+42	1,041
Vietnam	402	-	-	-	-
Singapore	340	+25	-	+25	27
Rest of APAC	197	+25	-	+25	83
APAC	939	+49	_	+49	110
EBITDA MW	15,493	+837	(830)	+7	3,739
Spain	120	-	-	-	-
Portugal	31	-	-	-	-
Rest of Europe	233	-	(79)	(79)	728
Europe	383	-	(79)	(79)	728
US & Canada	719	-	+127	+127	-
North America	719	-	+127	+127	-
APAC	16	-	-	-	1
Eq. Consolidated	1,118	-	+49	+49	729
EDPR	16,611	+837	(781)	+56	4,468

# Installed Capacity by Technology



■ Onshore Wind ■ Solar Utility Scale ■ Solar DG ■ Offshore Wind ■ Storage

Technology	EBITDA + Equity MW	YoY
Onshore Wind	12,556	(2%)
Solar Utility Scale	2,948	+117%
Solar DG	808	+24%
Offshore Wind	243	(24%)
Storage	57	-

# Capacity Additions YTD

Project	Country	MW

			2024		
MW	1H24	Additions	AR/Decom.	(1) YTD	U/C
Spain	1,967	-	-	-	63
Portugal	1,177	-	-	-	-
Rest of Europe	1,595	-	(191)	(191)	263
Europe	4,739	-	(191)	(191)	326
US	5,949	-	-	-	-
Canada & Mexico	425	-	(297)	(297)	-
North America	6,374	-	(297)	(297)	-
Brazil	748	-	(1)	(1)	325
Colombia & Chile	83	-	=	-	504
South America	831	-	(1)	(1)	829
EBITDA MW	11,944	-	(489)	(489)	1,154
Spain	120	-	-	-	-
Portugal	20	-	-	-	-
Europe	140	-	-	-	-
US & Canada	472	-	+59	+59	-
North America	472	-	+59	+59	-
Eq. Consolidated	612	-	+59	+59	-
EDPR	12,556	-	(429)	(429)	1,154

Onshore Wind Additions YTD -

# Capacity Additions YTD

Project	Country	MW
Berkelland II	Netherlands	+11
Pearl River	US	+175
Scarlet I	US	+240
Singapore	Singapore	+25
Sunseap	Rest of APAC	+25
Drachten	Netherlands	+9
Boccadoro	Italy	+8
Brittlebush	US	+200
Riverstart III	US	+100
Novo Oriente V	Brazil	+42
Distributed Solar	US	+1
Distributed Solar (Storage)	US	+1

Solar Additions YTD	+837

# Capacity Additions YTD

Project	Country	MW

Offshore Wind Additions YTD	-
Offshore Wind Gross Additions YTD	-

# Solar

Onshore Wind

			2024		
MW	1H24	Additions	AR/Decom.	1) YTD	U/C
Spain	75	-	-	-	293
Portugal	236	-	-	-	-
Rest of Europe	324	+29	-	+29	451
Europe	634	+29	-	+29	744
US	1,317	+717	(341)	+376	1,519
Canada & Mexico	200	-	-	-	-
North America	1,517	+717	(341)	+376	1,519
Brazil	458	+42	-	+42	212
South America	458	+42	-	+42	212
Vietnam	402	-	-	-	-
Singapore	340	+25	-	+25	27
Rest of APAC	197	+25	=	+25	83
APAC	939	+49	-	+49	110
EBITDA MW	3,549	+837	(341)	+496	2,584
US	247	-	+68	+68	-
North America	247	-	+68	+68	-
Rest of APAC	16	-	-	-	1
APAC	16	-	-	-	1
Eq. Consolidated	263	-	+68	+68	1
EDPR	3,812	+837	(273)	+564	2,586

Offshore Wind

	2024				
MW	1H24	Additions	AR/Decom. (1)	YTD	U/C
Portugal	11	-	-	-	-
France & Belgium	43	-	-	-	309
United Kingdom	190	-	(79)	(79)	419
Europe	243	-	(79)	(79)	728
EDPR Eq. Consolidated	243	-	(79)	(79)	728
Ocean Winds Gross Capacity	1,462	-	-	-	1,896