

Key Highlights

Installed Capacity

Flectricity Generation

APAC

EDPR

In the last 12 months, additions amounted to +2.0 GW with installed capacity reaching 15.2 GW (net capacity +1.4 GW YoY including asset rotation impact), with Europe and North America representing 39% and 48% of the portfolio respectively. By technology capacity mix, 85% is wind onshore, 13% solar (of which 4% solar DG) and 2% wind offshore (through OW associate).

- In the last 12 months, EDPR added + 2.0 GW of capacity geographically diversified, namely Europe and South America both adding + 0.6 GW each, North America adding + 0.5 GW and APAC contributing with + 0.3 GW of solar additions. In 1H23, EDPR added 468 MW worldwide, with 147 MW of onshore wind and 321 MW solar additions (of which ~43% from solar DG).
- During the last 12 months, EDPR completed 3 Asset rotation deals that amounted to 0.6 GW of capacity rotated across Italy, Brazil, and US. EDPR's 2023 asset rotation plan continues evolving positively, with expected transactions to be concentrated in 2H23.
- As of Jun-23, EDPRhad 5.0 GW under construction (+1.1GW in 1H23) of which some sizeable projects with commissioning beyond 2023 namely in wind offshore in UK (Moray West with 0.9 GW gross, 0.4GW net capacity) and in France (Noirmoutier and Le Tréport 1.0 GW gross 0.3 GW net capacity) and 2 wind projects in Colombia (0.5 GW).
- EDPR renewables index, which reflect deviations of renewables' resources (mainly wind) for the period vs. long term average stood at 95% for 1H23, representing a negative 5% deviation, mostly of wind resources, vs. LT average for this period (vs. 102% in 1H22).
- The 2Q23 showed abnormally weak wind conditions in US, impacted by El Niño event that is affecting mainly the Midwest region which compares YoY with the strong wind conditions in 1H22 (wind resources in our North American operations were 5% below LT avg. in 1H23, vs. 2% above avg. in 1Q23 and 10% above avg. in 1H22). This led to the 8% YoY decline of our renewables generation in North America in 1H23.
- Wind resources in our European operations were 4% below LT avg, in 1H23 (in line with 1H22), which together the impact of asset rotation deals closed in 2022 and an YoY increase of generation curtailment resulted in a 7% YoY decline of renewables generation. APAC generation increased ~3x YoY, mostly impacted by Sunseap consolidation since early 2022.
- On June 29th, the Spanish government published Royal Decree Law RDL 5/2023 which retroactively revised electricity price assumptions for 2023 from €208/MWh to €109/MWh, impacting regulated revenues (no cashflow impact) of our renewable's assets commissioned in 2008–2013, (~1TWh/year in 2023), no material changes regarding 2024–2025.

+343

+1.351

1H23 1H22 YoY (1) EBITDA + Eq. MW Additions AR 5.951 +609 (172) +437 5.514 Europe (200) 7.297 North America 7.045 +455 +252 South America 1.114 795 +580 (260)+319

463

13.816

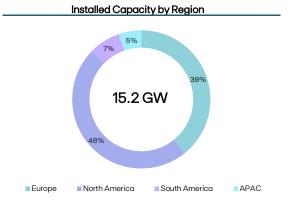
806

15.167

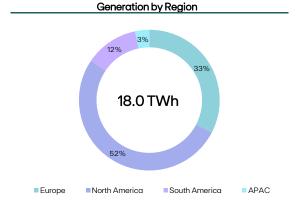
+343

+1.986

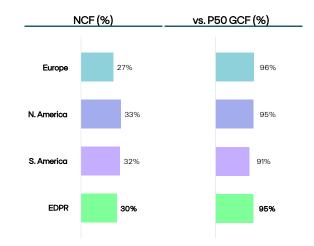
(633)



Electricity derioration			
GWh	1H23	1H22	YoY
Spain	2.354	2.534	(7%)
Portugal	1.306	1.382	(5%)
Rest of Europe	2.207	2.419	(9%)
Europe	5.867	6.334	(7%)
US	8.404	9.586	(12%)
Canada & Mexico	917	601	+53%
North America	9.321	10.186	(8%)
Brazil	2.210	1.040	+113%
South America	2.210	1.040	+113%
APAC (2)	588	231	+155%
EDDD	17 095	17 701	⊥10∠



NCF (%)	1H23	1H22	YoY
Spain	26%	26%	-0,5pp
Portugal	27%	28%	-1pp
Rest of Europe	28%	30%	-1pp
Europe	27%	28%	-1pp
US	33%	37%	-5рр
Canada & Mexico	35%	42%	-6рр
North America	33%	38%	-5рр
Brazil	32%	31%	+2pp
South America	32%	31%	+2pp
APAC (2)	18%	17%	+2pp
EDPR	30%	33%	-3pp



Renewables Index (vs. P50 Gross Capacity Factor)

(%)	1H23	1H22	YoY
EDPR	95%	102%	-7pp

(1) YoY variation considers a decommissioning of a \sim 3 MW wind turbine in the US

(2) Note that Sunseap has been incoporated on 24/02/2022, therefore Sunseap assets' generation only contributed for a part of 1Q22.



Installed Capacity

			2023		
MW	1H23	Additions	AR	YTD (1)	U/C
Spain	2.211	+45	-	+45	167
Portugal	1.190	+22	-	+22	188
Rest of Europe	2.088	+264	-	+264	374
Europe	5.488	+330	-	+330	729
US	6.080	+58	-	+55	2.010
Canada & Mexico	625	-	-	-	300
North America	6.705	+58	-	+55	2.310
Brazil	1.114	-	-	-	566
Rest of South America	-	-	-	-	587
South America	1.114	-	-	-	1.153
Vietnam	412	+7	-	+7	-
Singapore	267	+37	-	+37	66
Rest of APAC	112	+35	-	+35	58
APAC	790	+79	-	+79	124
EBITDA MW	14.097	+467	-	+464	4.315
Spain	120	(36)	-	(36)	-
Portugal	31	-	-	-	-
Rest of Europe	311	-	-	-	728
Europe	462	(36)	-	(36)	728
US	592	-	-	-	-
North America	592	-	-	-	-
APAC	16	+1	-	+1	-
Eq. Consolidated	1.070	(35)	-	(35)	728
EDPR	15.167	+468	-	+429	5.043

Installed Capacity by Technology



Technology	EBITDA + Equity MW	YoY
Onshore Wind	12.833	+5%
Solar Utility Scale	1.336	+47%
Solar DG	677	+86%
Offshore Wind	322	-

Onshore Wind

			2023		
MW	1H23	Additions	AR	YTD (1)	U/C
Spain (2)	2.202	+45	-	+45	20
Portugal	1.177	+22	-	+22	-
Rest of Europe	1.817	+80	-	+80	177
Europe	5.197	+147	-	+147	197
US	5.747	-	-	(3)	202
Canada & Mexico	425	-	-	-	300
North America	6.172	-	-	(3)	502
Brazil	910	-	-	-	99
Rest of South America	-	-	-	-	587
South America	910	-	-	-	686
EBITDA MW	12.280	+147	-	+144	1.385
Spain (2)	120	(36)	-	(36)	-
Portugal	20	-	-	-	-
Europe	140	(36)	-	(36)	_
US	413	-	-	-	_
North America	413	-	-	-	_
Eq. Consolidated	553	(36)	-	(36)	-
EDPR	12.833	+147	-	+108	1.385

Capacity Additions YTD

Project	Country	MW
San Giorgio	Italy	+29
Casalbore	Italy	+29
Greci	Italy	+23
Alto da Coutada (Overequipment)	Portugal	+22
San Juan de Bargas (2)	Spain	+45

Onshore Wind Additions YTD +147

₽*

Sola

			2023		_
MW	1H23	Additions	AR	YTD	U/C
Spain	9	-	-	-	147
Portugal	13	-	-	-	188
Rest of Europe	270	+184	-	+184	197
Europe	291	+184	-	+184	531
US	333	+58	-	+58	1.808
Canada & Mexico	200	-	-	-	-
North America	533	+58	-	+58	1.808
Brazil	204	-	-	-	467
South America	204	-	-	-	467
Vietnam	412	+7	-	+7	-
Singapore	267	+37	-	+37	66
Rest of APAC	112	+35	-	+35	58
APAC	790	+79	-	+79	124
EBITDA MW	1.818	+320	-	+320	2.931
US	179	-	-	-	-
North America	179	-	-	-	-
Rest of APAC	16	+1	-	+1	-
APAC	16	+1	-	+1	-
Eq. Consolidated	195	+1	-	+1	-
EDPR	2.012	+321	-	+321	2.931

Capacity Additions YTD

Project	Country	MW
Chotków	Poland	+31
Przykona	Poland	+153
Distributed Solar	US	+58
Sunseap	Vietnam	+7
Sunseap	Singapore	+37
Sunseap	Rest of APAC	+35

Solar Additions YTD +321

Offshore Wind

			2023	YTD	U/C
MW	1H23	Additions AR	AR		
Portugal	11	-	-	-	-
France & Belgium	43	-	-	-	309
United Kingdom	269	-	-	-	419
Europe	322	-	-	-	728
EDPR Eq. Consolidated	322	-	-	-	728
Ocean Winds Gross Canacity	1462	_	-	_	1896

Capacity Additions YTD

Offshore Wind Additions YTD	-
Offshore Wind Gross Additions YTD	-