

SUSTAINABILITY DAY - 4th November 2019

Low Carbon Business: Can an old dog learn new tricks?



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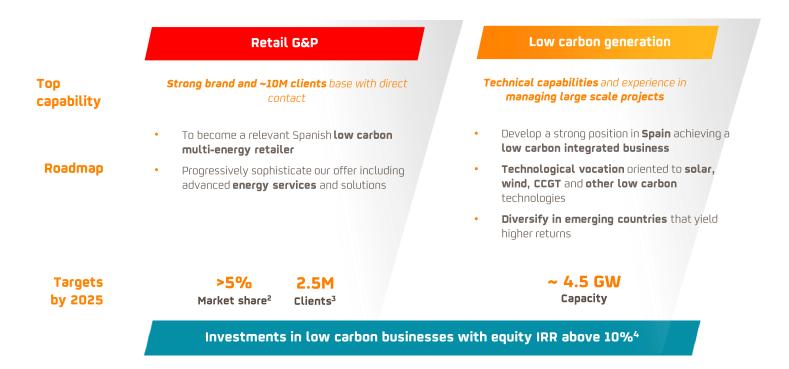
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Strategic Update 2018 | ...we communicated a vision to develop a profitable low carbon generation business



We promised to do something about it. Did we?

Retail is not just an opportunity

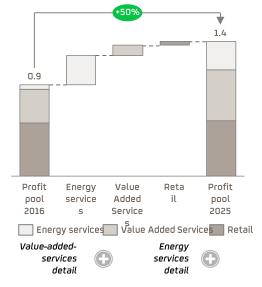
Here mobility – our core – meets utility, meets IoT, meets renewables, meets storage, meets "behind-the meter" ...

New energy services and solutions are developing around the client



Value of the profit pool expected to increase by ~50%

G&P Retail Profit Pool evolution - EBIT (B€)



^{1.} Decentral combined heat and power. 2. Value Added Services Source: CNMC, company financials, DBK Note: 2017 figures not available

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Retail is the opportunity to deliver on our strengths

Leverage on our brand an channels to acquire customers and materialize our customer centric vision



Largest service stations network

infrastructure allows high-value direct interactions

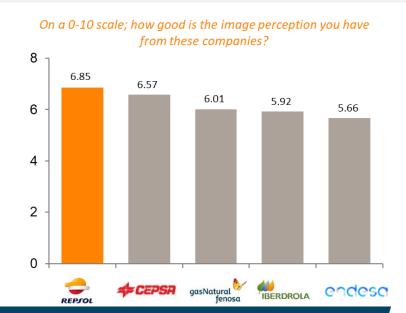




- More than 200 bottled LPG distribution agencies
- Over 250 technical service partners for LPG
- Around 200 bulk diesel distributor



Online channels (e.g. Waylet) with a growing client base that is constantly connected to Repsol

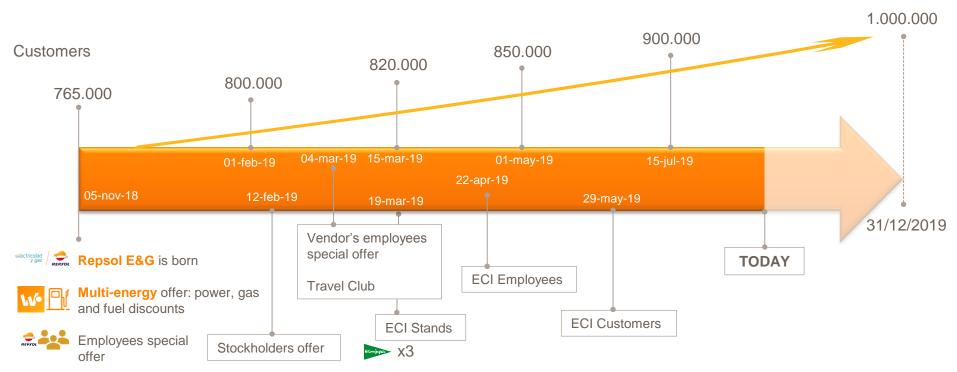


In one year we reached 1 million E & G customers (33% growth)
50% were already loyal customers from other Repsol channels
15% of our Waylet customers have become Electricity & Gas customers

Commercial creativity as main driver for growth

Our channels and brand are producing results with no signs of slow-down

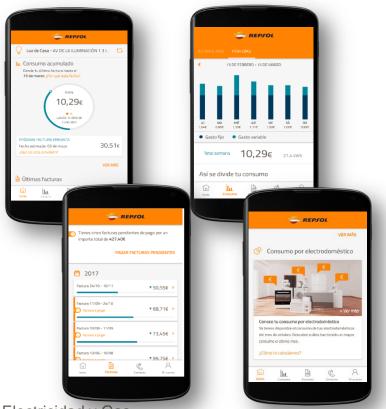




Technical Innovation Improving customer experience

One example: Repsol's IT capabilities deliver "Tu oficina Online" App





Check your contracts, invoices and consumption

- ✓ What you have consumed so far
- ✓ The details of your electricity & gasconsumption in €: every day and every hour, explained easily.
- √ The estimated amount for your next invoice
- ✓ Your electricity consumption disaggregated by apliances
- ✓ If you do not have the invoices payment domiciled, you can pay them via bank card.
- √ You will understand why your cost fluctuates

© Repsol Electricidad y Gas

Technical Innovation Improving customer experience

Considered Best App by consumers





Google Play	Apple Store
Score	Score
4,4	4,0

Juana Diaz Sánchez

* * * * * 3 de octubre de 2019



Esta muy bien detallado el consumo actual, la estimación es muy acertada y las facturas las tienes claras. Es lo que se espera de una app, clara y veraz.







Google I Score	Play e	Apple Store Score
3,9		3,8
3,9		2,2
3,6		3,6

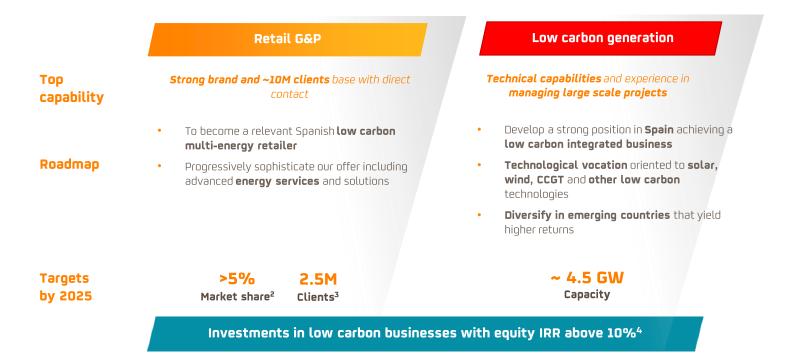
Silvia Hueros Garcia

* * * * * 6 de octubre de 2019



Te ayuda mucho a saber cuanto gastas y en qué lo gastas. Muchas gracias por la ayuda

Strategic Update 2018 | ...we communicated a vision to develop a profitable low carbon generation business



We promised to do something about it. Did we?

CCGT: Repsol leading in Capacity Factor in Spain¹



Capacity Factor (January to July 2019)



- The accumulated production of Repsol's CCGTs is the highest since 2009 due to:
 - Contracting Forward Capacity, anticipating CCGT market recovery...
 - Over 100 operations of phisical gas purchase, reducing supply costs
 - Operating in the Futures market for Power, CO2 and Gas
 - Capturing a premium over the daily market

Wind and solar don't need support.

Both forms of energy are now cheaper than conventional and still have margin to improve



Source: Goldman Sachs (4 April 2019)

Power prices (1 year forward)

2019E

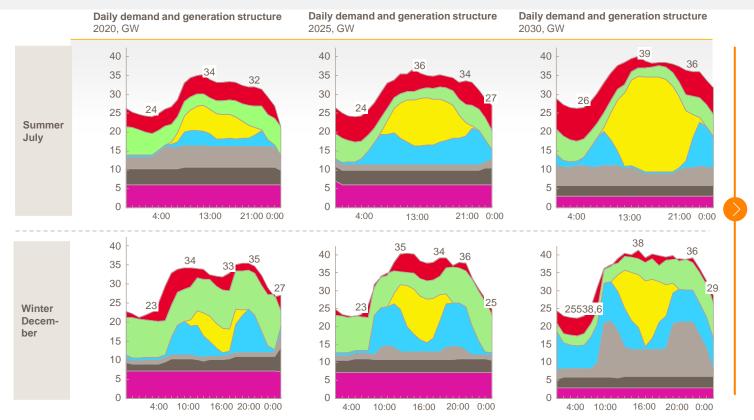
2023E

203

)E

Renewables are now market driven

Renewables must meet demand and not the other way around



A diversified portfolio and the top energy management capabilities will enable Repsol to provide to its customers a tailormade supply of low carbon energy

SOURCE: Mckinsey Power Model

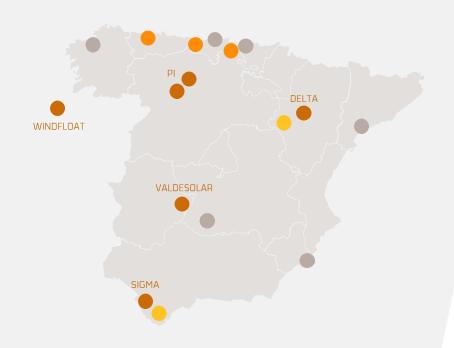
As promised, we are developing a relevant low carbon generation position in Iberia



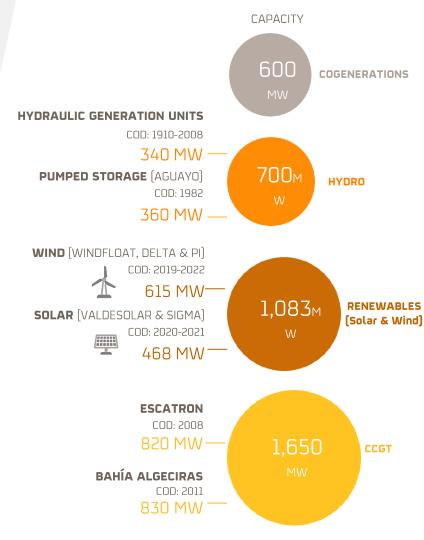
Circa 90% of Repsol's 2025 low carbon capacity target will be achieved by 2022, 3 years ahead of schedule

Repsol's 2025 targets could be revised

Not just relevant but diversified



Note: Gross capacity COD: Commercial Operation Date Source: Minetur; Repsol



Delivering superior profitability in a heated market









CO₂ emissions













CO₂ emissions reduction









Q4 2020 COD expected



CO₂ emissions reduction









COD expected



CO₂ emissions



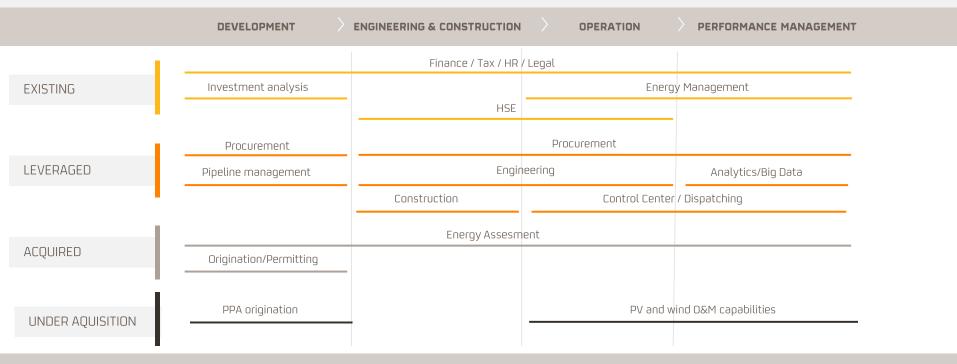


Aggregated Equity IRR¹

>10%

Renewables business being developed with an industrial approach, acquiring new skills across value chain

Repsol leveraged on existing key capabilities and has already developed most of the new necessary ones...



Renewables key risks identified and fully addressed, building capabilities that will allow for expansion.

Repsol project atracting highly qualified profesionals from top renewable players

RISKS	CONSEQUENCES	MITIGANTS IN PLACE	INTERNATIONAL ACTIONABILITY
Technological / Resource	 Energy Assessment Mistakes Sub performance / availability of equipment 	 In-house teams with average 10+ years experience in: Energy Assessment Engineering & Construction Operation & Maintenance Procurement Top tier suppliers both in Equipment and BoP/BoS 	 Very High Very High
	Cost / Time overruns	3. End to end process management and IT systems4. State-of the art Control Center and Data Analytics under implementation	3. Very High4. Very High
•			

Renewables key risks identified and fully addressed, building capabilities that will allow for expansion.

Repsol project atrracting highly qualified profesionals from top renewable players

RISKS	CONSEQUENCES	MITIGANTS IN PLACE	INTERNATIONAL ACTIONABILITY
	_		
Development & Interconnection	 Project Mortality Rate 	1. In-house Development and Grid analysis teams with average 10+ years experience	1. Medium
	Costs/delays in Interconnection	2. M&A or investment decision only after fatal flaw analysis both internal and from top consultants	2. High
	 Reduced profitability 	3. Market studies performed by leading companies, leveraging Repsol's international footprint	3. Very High
	• Time-to-market	4. End to end process management and IT systems	4. Very High

Renewables key risks identified and fully addressed, building capabilities that will allow for expansion.

Repsol project atrracting highly qualified profesionals from top renewable players

RISKS CONSEQUENCES INTERNATIONAL **MITIGANTS IN PLACE ACTIONABILITY** • Unable to optimize 1. In-house Team and Systems from Viesgo Acquisition 1. High road-to-market Offtake / Energy [Merchant/PPAs] 2. Repsol experience in international Trading in key markets 2. High management Realized price below 3. Repsol perceived as an excellent counterpart in Spain and 3. Very High expectations abroad International Origination Team under recruitment 4. Low

International plan will leverage Repsol's strengths and global footprint

Spanish situation not fully replicable so strategy should be adapted

Select

- Strong Market Fundamentals:
 - Relevant need for new capacity
 - Enough resource for RES affordability
 - Rule of law allowing for long term investment
- Identification of the most recent market trends
- No legacy may not be a disadvantage

Leverage

- Global footprint:
 - Shared corporate overhead
 - Understanding of local business culture
 - Potential tax optimization
 - Energy trading capabilities
 - Industrial connections for partners and counterparts.
 - Existing human capabilities
- Market position in Spain with international suppliers and partners.
- Financial firepower to go for large projects, with economies of scale
- Balance sheet solidity to be considered a partner of choice for local off takers and local developers.

Establish

- Origination Teams to secure PPAs with International and Local Players
- Partnerships / M&A with companies with local presence to access better projects compensating for late entrance.
- Adapt central organization establishing deconcentrated teams while insuring best practices centrally

Embracing the energy transition....

- **Excelling in Retail**
- Optimizing Gas Operations
- . Becoming a reference in the RES world

