

PPC's medium-term strategic priorities and financial outlook for 2020

16th December 2019

Energy Transition: To accelerate decarbonization, EU is revisiting its climate targets



In parallel, decreasing LCOEs and government incentives are pushing investments in renewables

Few policy support schemes existed in 2000



By 2016, most countries had something in place



Ramp-up of EVs at scale as cost-parity to ICE is achieved

Timing of cost-parity of electric vehicles with fuel vehicles, based on Total Cost of Ownership (TCO) in the EU



^{1 1} Class definitions in EU is defined in weight for trucks (Heavy duty transport (HDT) >16t, Medium duty transport (MDT): 7.5-16t, Light duty transport (LDT): 3.5-7.5t) and in size/ICE price for passenger cars: (A/B < 4 m and below 20k CHF, C/D:4-5 m, 28-55k CHF, E/F > 4.5 m, >50k CHF)

Energy Transition

The utilities landscape and the role of traditional utilities is rapidly changing

EU Power sector lost **€50bn** of profitability in the last 8 years

Value shift from conventional generation to RES, Grids new Retail products



Changes in PPC and the market the last 4 months...

Abolition of NOME auctions

PPC modernization law (4643/2019)

In the last 4 months, we have set the foundations for a holistic transformation

Revised PPC retail pricing

New PPC retail products (gas)

National Energy & Climate Plan

New PPC Business plan

...already yielding results >€100_{mn} EBITDA uplift in 2019

€200_{mn}

PSO payment confirmed for 2020



Removal of Auditors emphasis on "going concern material uncertainty"

Credit rating upgrade (S&P from CCC+ to B-)

PPC is re-inventing itself through three pillars that will drive performance improvement



... resulting in a shift in generation mix and a more balanced position by 2024

~€1_{bn}

~11.5_K

GW

in new RES capacity

Turning towards the global Energy Transition

Healthy profitability and sustainable debt

Our vision's three core pillars translate into specific initiatives for each Business unit

		Green-deal" in Generation	B Digitalization and Operational Efficiency	C Customer Centricity
1	Conventional generation	 Phase-out existing lignite plants by 2023, and phase- out in whole lignite by 2028 	 Improve operational efficiency of remaining plants and mines 	
2	RES	 Ramp-up PPCR and scale up RES capacity 	 Systems for production prediction, and RES participation in the Power Markets 	
3	Retail & new downstream		 Extract value from stock of unpaid bills 	 Revisit go-to-market focused on service and profitability Introduce new products incl. gas, energy services
4	Distribution		 Enhance network investments Introduce digital in grid control 	
5	Other		Monetize PPC's real estateCosts rationalization	 Develop the infrastructure for e-mobility

1/ We are winding down our lignite assets to drive economic performance in an environmentally sustainable manner



Over the next 5 years, PPC will:

- Re-configure its generation fleet by gradually decommissioning lignite assets
- Capture operational efficiencies in the remaining units

1 Calculated as capacity per source over total capacity of PPC

2 CO2 emissions outlook is for the interconnect system; for the total system, CO2 emissions are 23.5mn tons for 2019 and 7.5mn tons for 2024

1/ PPC will decommission ~3.4 GW of lignite assets by end of 2023 in line with the National Energy & Climate plan, to support the country's energy needs

NET CAPACITY





Total lignite capacity

Removed lignite capacity

Added lignite capacity

XX

XX

XX

1/ We are taking a holistic approach to the decommissioning of lignite assets



Workforce

- Repositioning and reskilling of workforce
- Fair retirement / exit schemes (VRS/VES) self-financed by PPC

Physical

- Responsible environmental restoration and safe handling of hazardous materials
- Value extraction options for PPC's assets including land, buildings, equipment and inventory

District heating

 Working with local communities to find alternative solutions including new gas delivery models before unit decommissioning

Local community

- Introduce new investments in the local community e.g., PVs
- Fully supporting the government's master plan to counterbalance the impact of the decommissioning to the affected communities

2/We are redeploying our capital towards RES to shift our generation towards sustainable sources and stable profitability while supporting the country's energy needs

From...

PPC's 2019 market share in RES capacity

То...

PPC's 2024 market share in RES capacity





>1 GW in new RES capacity >6 GW PPC project pipeline



New partnerships to accelerate scale up

3/ The new PPC Retail will drive performance by focusing on four major areas



Go-to-market strategy

Revamp the **go-to market strategy** to modernize the brand and re-think customer targeting to focus on high value customers



New products

Increase customer loyalty and reduce churn by **introducing new products** (e.g., double play gas, energy services)



Digital & Analytics

Launch modern digital channels and customer journeys to increase efficiency and improve customer experience



Collections

Set-up in-house collections function with recovery strategy and targets (including segmentation, systems, settlements, performance monitoring) Involve specialized partners 4/We are expanding our grid, through new investments and technologies, such as smart meters to address key trends in the DSO space

Key trend affecting DSOs...

(RES)

Increased penetration of distributed generation Emergence of micro grids Customerces Der carbonization echnology,

> Advanced analytics/predictive maintenance **Digitization of hardware/grid**

Automation

Policy targets on GHG emission rates reduction

Electrification of heat, mobility and industry energy consumption

...translated into investments

Advanced Metering Infrastructure

Smart grid

Distribution automation (FDIR - fault detection isolation and restoration) **GIS/Scada Systems**

Grid edge (Beyond the meter)

Distributed generation integration Demand response systems Micro-grids

Advanced analytics

Asset management analytics System analytics (e.g. load forecasting for RES)

5/ We will drive adoption of Electric Vehicles (EV) by leading investment in this space

Customer preference is shifting to e-mobility

Consideration

Infrastructure and range

Repurchase

Supply

64%

Of customers in Germany consider BEV / PHEV vehicles for their next car purchase, with the same number being 86% in China and 51% in the US

50%

Of potential BEV buyers are concerned about access to charging stations or limited range

>9/10

Current BEV owners consider BEV's for their next car purchase

~770K

Unit backlog for Tesla models as of 2019

>1k charging points to be created in Greece the next 2-3 years

Mid-term target potential for ~10k charging stations in the country There are 3 enablers to reinvent the way PPC works and bring us at par with modern utilities and industrial companies

Digital

Leverage Digital and Advanced Analytics across all functions to increase efficiency, draw insights for decision making and drive employee and customer experience

HR

Refine HR & performance management framework to develop our internal workforce, and attract new talent

Governance

Adjust organizational structure, BoD and executive governance and key processes (incl. strategic planning, budgeting, procurement) in line with international best practices

We expect stronger performance in 2020, reaching EBITDA of EUR ~850 mn



2020 CapEx remains at the same levels as 2019; focus shifting to RES and grids EUR mn



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What to expect next



Finalize PPC's Business plan



Hold investor and analyst day (Q1 2020)