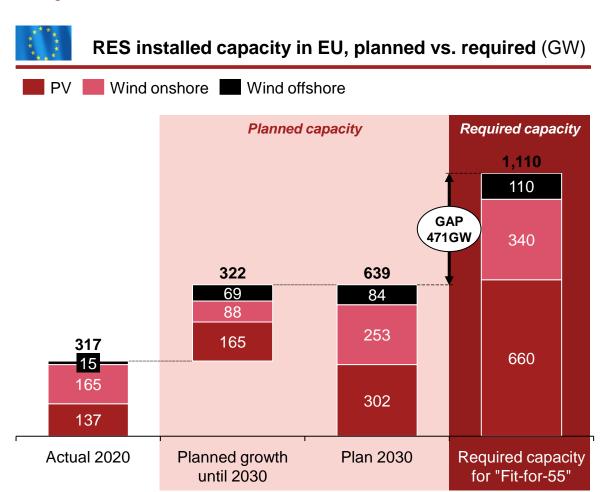


To reach the decarbonization agenda, a major expansion of renewable power production is required in the EU

Project context



- The RES planned capacity additions in EU till 2030 are already ambitious as the amount of renewables projected to be deployed in the next 10 years is equal to what has been deployed in the last 20-30 years
- However, a significant gap still remains between the planned capacity and the capacity required to reach the "Fit-for-55" targets
- The RES capacity additions in the next decade will need to be
 ~2.5x the current planned additions to meet the targets and a
 significant ramp up is needed especially in the case of solar PV
- Capacity required to meet the targets would mean:
 - ~30 GW capacity addition wind p.a. instead of planned ~15 GW (+100%)
 - ~50 GW capacity addition PV p.a. instead of planned ~15 GW (+250%)

The project objective is to facilitate renewable PPAs in Energy Community Contracting Parties to meet climate targets

Project objective

Objective Description Output

- 1 Uptake of Renewable PPAs
- **Promotion and facilitation** for the increased **adoption of PPAs within Energy Community Contracting Parties**,
 focusing on creating favorable market conditions and
 awareness
- overcome barriers, including amending national legislation, defining market preconditions, adjusting policies within NECPs and including compliance with the Carbon Border Adjustment Mechanism (CBAM)

Proposed recommendations to

- 2 Impact assessment and PPA variability
- Evaluation how **PPAs contribute to achieving the 2030 RES** targets, exploring both virtual and cross-border PPA models, and ensure their **alignment with environmental regulations** such as the Carbon Border Adjustment
 Mechanism (CBAM)
- Legal & regulatory framework enhancement
- Conduct a thorough **analysis of existing legal and regulatory frameworks within the Energy Community** to **pinpoint barriers** hindering the implementation and
 execution of renewable PPAs
- Developed recommendations that include legislative amendments, market mechanisms, and policy integrations into NECPs to facilitate renewable PPAs

- 4 Capacity building and stakeholder engagement
- Implementation of capacity-building initiatives to educate and engage stakeholders, including financiers, utility companies, and corporations, enhancing their ability to engage confidently and competently in the renewable PPA market

Utilize workshops & matchmaking events to provide stakeholders with the expertise and knowledge required to effectively navigate the complexities of PPAs

PPAs benefit developers and offtakers by ensuring stable revenues and secure, cost-effective energy, accelerating EU RES deployment

PPA basic fundaments

What is a PPA?

Power Purchase
Agreements, also known as
PPAs, are contracts
between two parties—one
party generates electricity
and the other is looking to
use or purchase that
electricity.

In essence, the PPA is an agreement to purchase a certain amount of power for a certain price and for a certain amount of time, thereby reducing variability of costs and profits

PPA benefits

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Producer point of view



Bankable tenure of PPA and better access to financing



Hedge on the main investment risk – wholesale electricity price



More conservative revenues



Offtaker's point of view



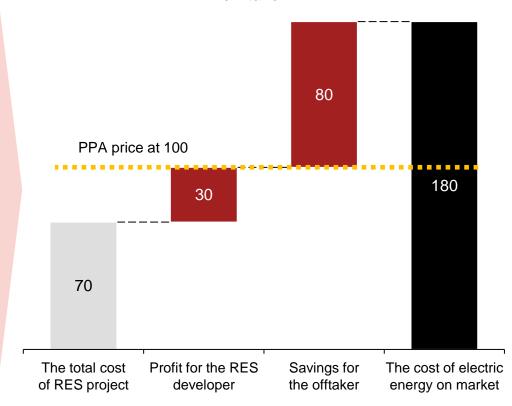
Savings on electricity procurement & longterm hedge on operating costs



Buying green energy via GoOs

Cost & effort required to sign & implement the contract

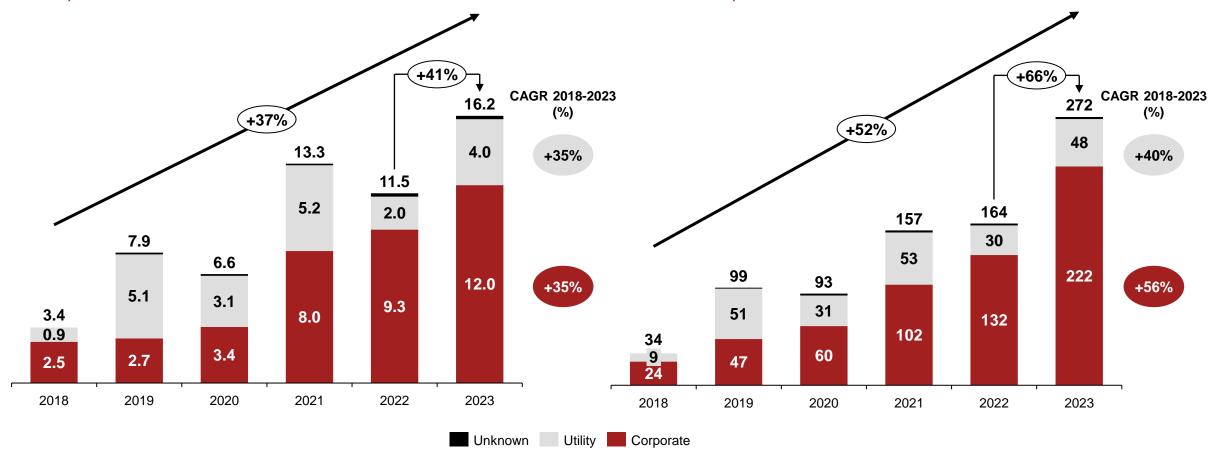
Illustrative split of profits between RES producer and an off-taker



PPA deals in Europe have experienced major growth, with >270 deals closing in 2023 alone, representing >16 GW of RES capacity

PPA deal flow by contracted capacity in Europe GW, 2018 - 2023

PPA deal flow by deal count in Europe # of deals, 2018 - 2023



Methodology of Power Purchasing Agreement potential in each Contracting Party was based on six key driving factors

Project assessment methodology

Key PPA drivers Rationale

RES electricity demand

- Assess the depth and structure of electricity demand to evaluate market health
- Determine the **propensity to purchase electricity from RES** due to **ESG agenda, regulatory impact, economic incentive** (i.e. electricity prices), etc. to understand demand drivers
- In scenarios with limited industrial corporate demand, utility PPAs become increasingly pertinent

RES electricity supply

- Understand **investment attractiveness** in renewable energy, which is a priority for Contracting Parties
- Assess formal targets outlined in the National Energy and Climate Plan, such as the percentage of renewable energy in total generation, which are essential for potential PPA volumes

Electricity prices

- Define market liberalization stage as it plays a crucial role in maintaining competitive retail prices
- Determine if **retail price regulation below wholesale levels in Contracting Parties** would present a challenge to the PPA market

Supply options and incentive mechanisms

Evaluate the stage of mechanisms such as Feed-in-Premium (FiP), Contracts-for-Difference (CfD), and wholesale market liquidity as they are crucial in encouraging the entrance of RES investors and cultivating a conducive environment for corporate PPAs

Power wholesale market maturity & B2B product

To enable the functioning of the corporate PPA market, CPs should ensure the availability of a **liquid** wholesale market that can support virtual cPPA settlements and/or demonstrate a readiness from suppliers to provide a sleeving option as well as access to spot markets for the execution of physical PPAs

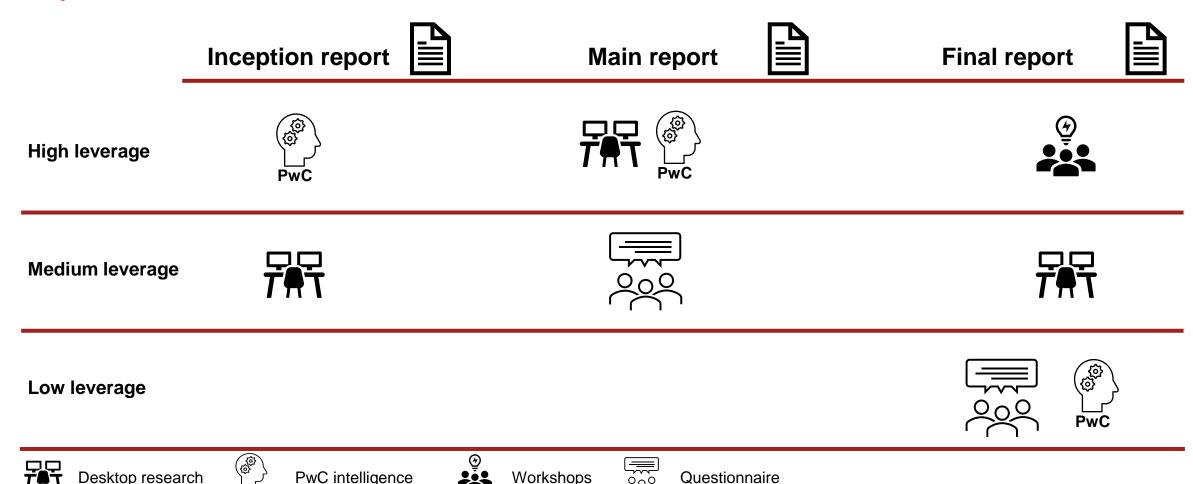
Legal and regulatory certainty

 Assess ease of investment, transparency in permitting and grid connection, and support for B2B products are essential for fostering or hindering a favorable PPA market environment Critical signals for PPA potential in each CP

Source: PwC analysis
PricewaterhouseCoopers Savjetovanje d.o.o.

To develop deliverables, desktop available information, PwC's PPA intelligence & experience, and expert workshops are leveraged

Project method to data collection



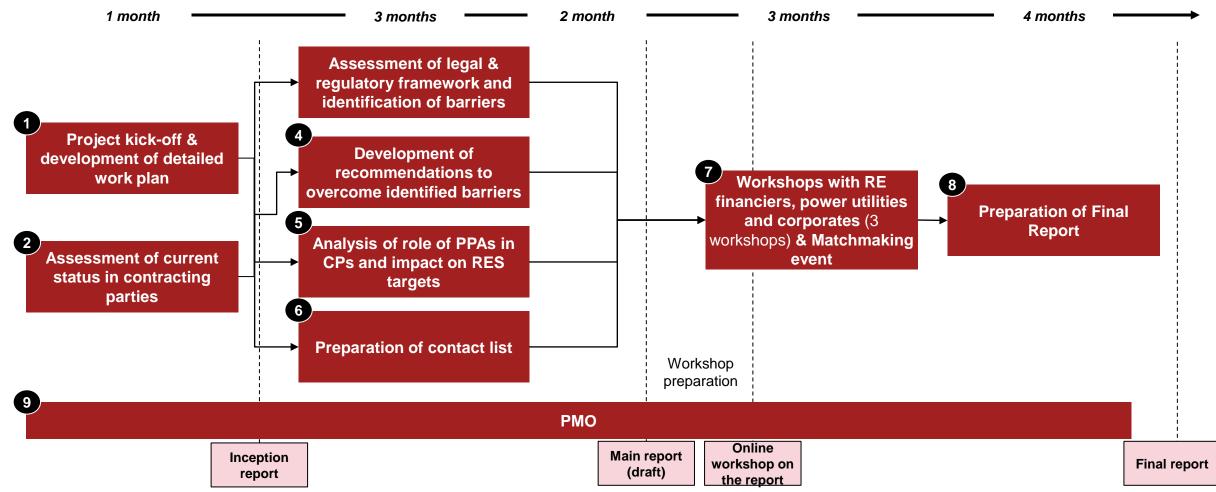
Desktop research

Questionnaire

Workshops

We are currently working on the draft of the Main report, which is expected to be finalized by mid-May

Our approach and project timeline



Source: PwC analysis

PricewaterhouseCoopers Savjetovanje d.o.o. Strictly confidential – for client only

Thank you!

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