

Results analysis

PPE2 tender for rooftop PV – Session #2

Version 1.00

— APRIL 27TH, 2022

PPE2 PV rooftop tender #2 – Introduction

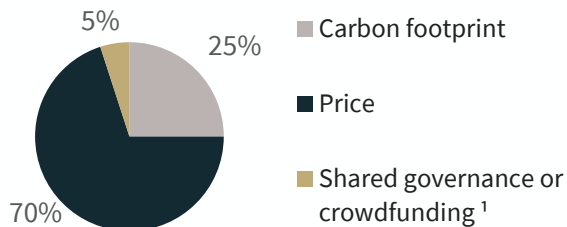
The PPE2 tender for rooftop PV grants solar developers a feed-in premium for their installation

Introduction

- With the CRE4 tenders program coming to an end in 2021, the French Ministry of Ecological and Solidarity Transition released in August 2021 its **new renewables tenders' plan to takeover**. Called “PPE2” due to its central role in France’s second multi-annual energy plan (*Programmation Pluriannuelle de l’Energie*), this new program will include several tender rounds for nearly **29 GW called**, with applications **starting from 2021 and ending in 2026**.
- Among all PPE2 tenders, one is supporting PV rooftop installations above 500 kWp located in mainland France.
- We are today analyzing the results of the **2nd session of the PPE2 tender for PV rooftops**, released on February 26th 2022. Since the last session of the PPE2 tender for PV rooftops, the **average tariff has increased** (+2.6%). The tender session was **undersubscribed** with 122 MWp awarded for 400 MWp called.

Tender criteria

- Type: Rooftops, green houses, barns & car parks
- Capacity: Above 500 kWp



- Rating:

Tender criteria

	PPE2 Session #1	PPE2 Session #2
Awarded capacity	151.1 MWp	122.1 MWp
Number of awarded projects	52	38
Average awarded tariff	€ 83.12/MWh	€ 85.27/MWh
Maximum bidding tariff	€ 96.00/MWh	€ 96.00/MWh
Application deadline	October 22 nd , 2021	February 25 th , 2022

¹ Shared governance and crowdfunding premium are mutually exclusive, with shared governance accounts graded between 0% to 5% while crowdfunding will be either 0% or 3% with no intermediate value



PPE2 PV rooftop tender – What’s new since CRE4

The PPE2 tender for PV rooftops, shade & green houses is a straight-forward follow-up to the CRE4 rooftop tender with some adaptations

Notable adjustments since CRE4 rooftop tender

The PPE2 tender for rooftop PV has evolved from the CRE4 rooftop tender:

- **Shade houses** are now **part of this tender** – under CRE4, shade houses needed to apply to the tender for ground-mounted plants (IAS);
- **Compatibility** of the tender **with installations featuring storage system** - although the latter can not be subsidized under this tender;
- **Rating criteria adjustments:** shared governance and crowdfunding are now part of the overall rating:
 - **Shared governance** accounts for the long-term ownership of the projects by local individuals or communities;
 - **Crowdfunding** accounts for the financing of the project by local individuals or communities. It is to be noted that the shared governance and crowdfunding ratings are mutually exclusive: one grade will always remain null.
- The tender no longer differentiates different categories of assets. Instead, for each tender, **priority will be given to projects below 1 MWp for up to 50 MWp of tendered capacity**. In case of undersubscription for this reserved capacity, the CRE will eliminate the worst bids accordingly with the mechanism described in slide 6;
- The **commissioning delay is also increased** from 24 months to 30;
- **Financial guarantees** will now be **paid by project sponsors when applying to the tender** and released if the project is not awarded
- Implementation of the **Deggendorf rule**: the project sponsor can not apply if currently subject to a State order for repayment for unlawful aid

Carbon footprint’s reference values for rating

Minimum	200 kg CO2 eq/kWp
Maximum	550 kg CO2 eq/kWp

Tender calendar

	Application deadline	Tendered capacity
1st session	October 22nd, 2021	300 MWp
2nd session	February 25th, 2022	400 MWp
3rd session	May 20th, 2022	400 MWp
4th session	October 28th, 2022	400 MWp
5th, 6th & 7th sessions	2023 TBD	300, 400 & 400 MWp
8th, 9th & 10th sessions	2024 TBD	300, 400 & 400 MWp
11th, 12th & 13th sessions	2025 TBD	300, 400 & 400 MWp
14th session	2026 TBD	300 MWp

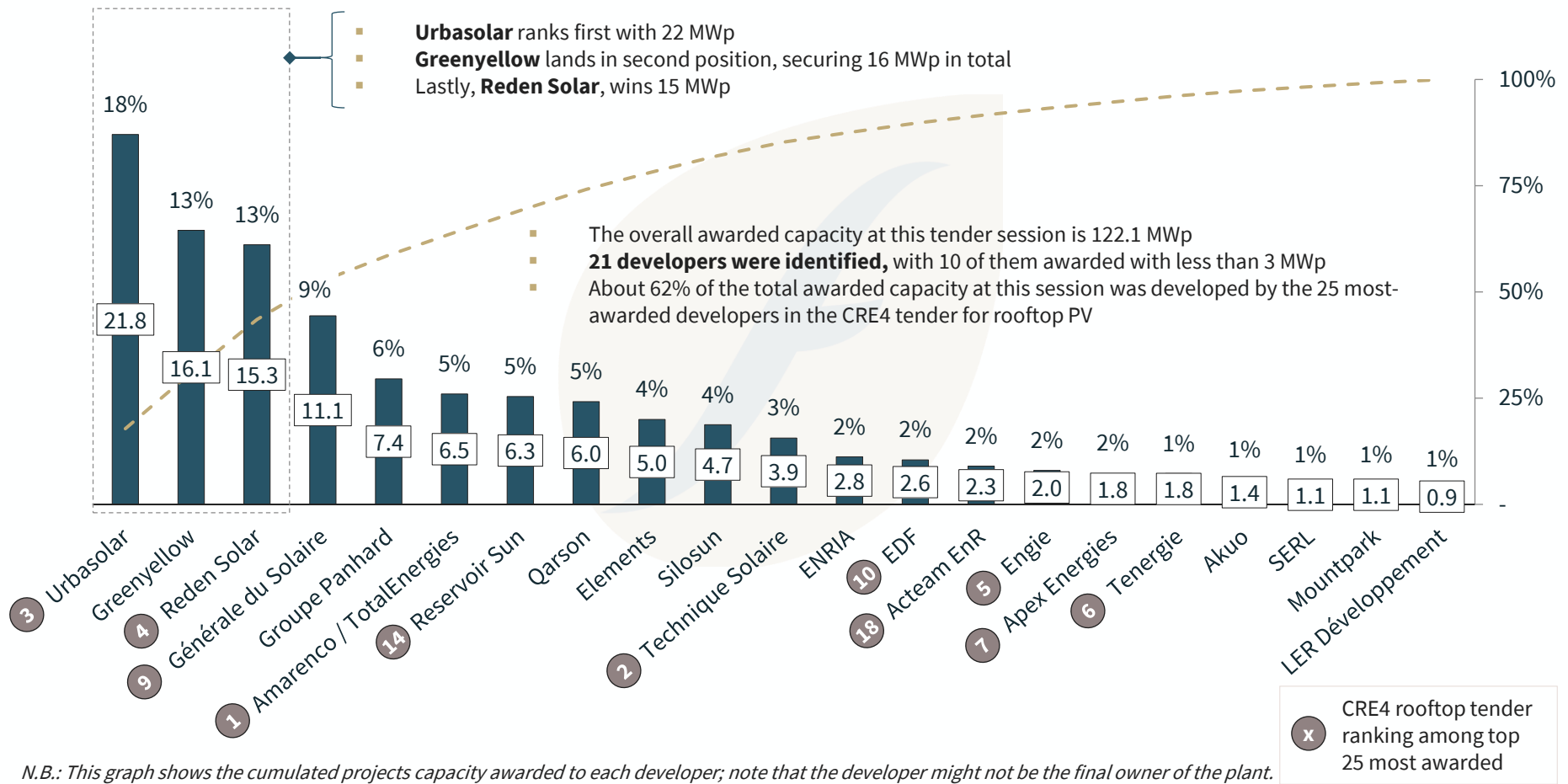
N.B. Finergreen has recently released a comparative study on the key adjustments made since CRE4 in the different PPE2 tenders’ specifications. Please reach out to us if interested!



PPE2 PV rooftop tender #2 – Awarded projects

The total awarded capacity amounts to 122 MWp, with 21 identified developers

Capacity awarded per developer (MWp)



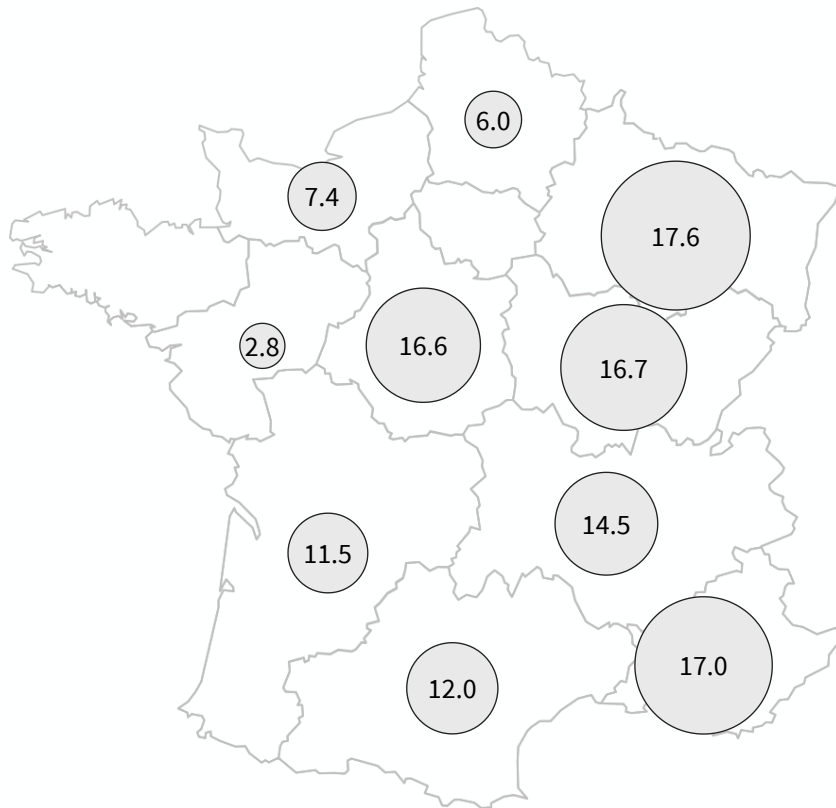
N.B.: This graph shows the cumulated projects capacity awarded to each developer; note that the developer might not be the final owner of the plant.



PPE2 PV rooftop tender #2 – Mapping

Surprisingly, Grand Est is the most awarded region with 18 MWp

Capacity awarded per region (MWp)

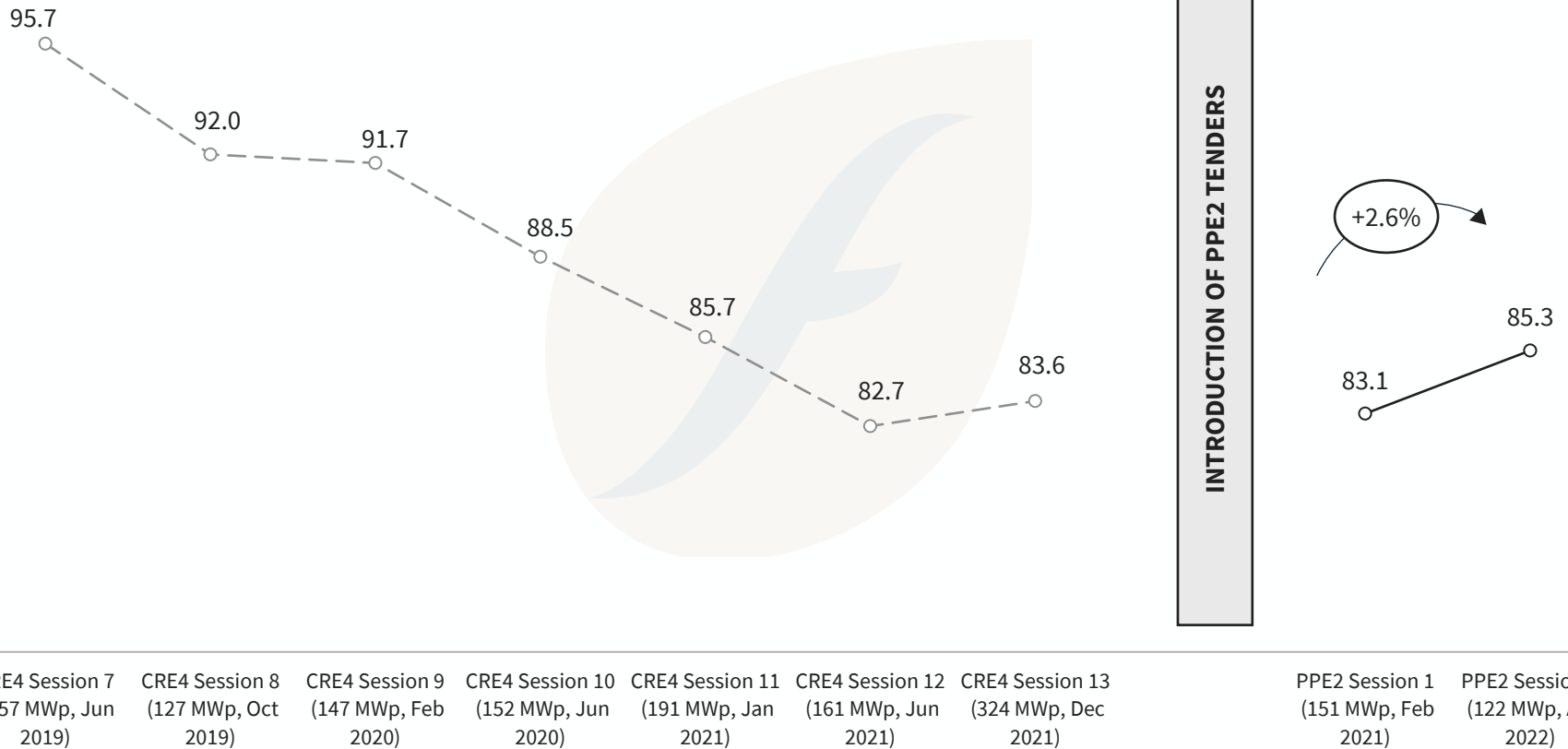


- **Grand Est** is the region with the **greatest awarded capacity** on this 2nd session of the PPE2 tender for solar rooftops, with 17.6 MWp
- The **Northern half of France displays an outstanding performance**, securing **more than half of the total awarded capacity** at this tender session - it was less than one third on the previous PPE2 session
- On average, **projects located in the Northern half are more than twice as big as projects in the Southern half** (4.8 MWp vs. 2.3 MWp); this is likely due to the **ever-heavier land pressure for solar assets in the sunniest regions**
- **Bourgogne-Franche-Comté**, totalling 2 projects, and **Centre-Val de Loire**, with 5 projects, also managed to secure **significant capacities** with 16.7 and 16.6 MWp; they are the 3rd and 4th most-awarded regions respectively at this tender session

PPE2 PV rooftop tender – Tariff evolution

Since the last session of the PPE2 tender for rooftop PV, the average tariff has increased (2.6%)

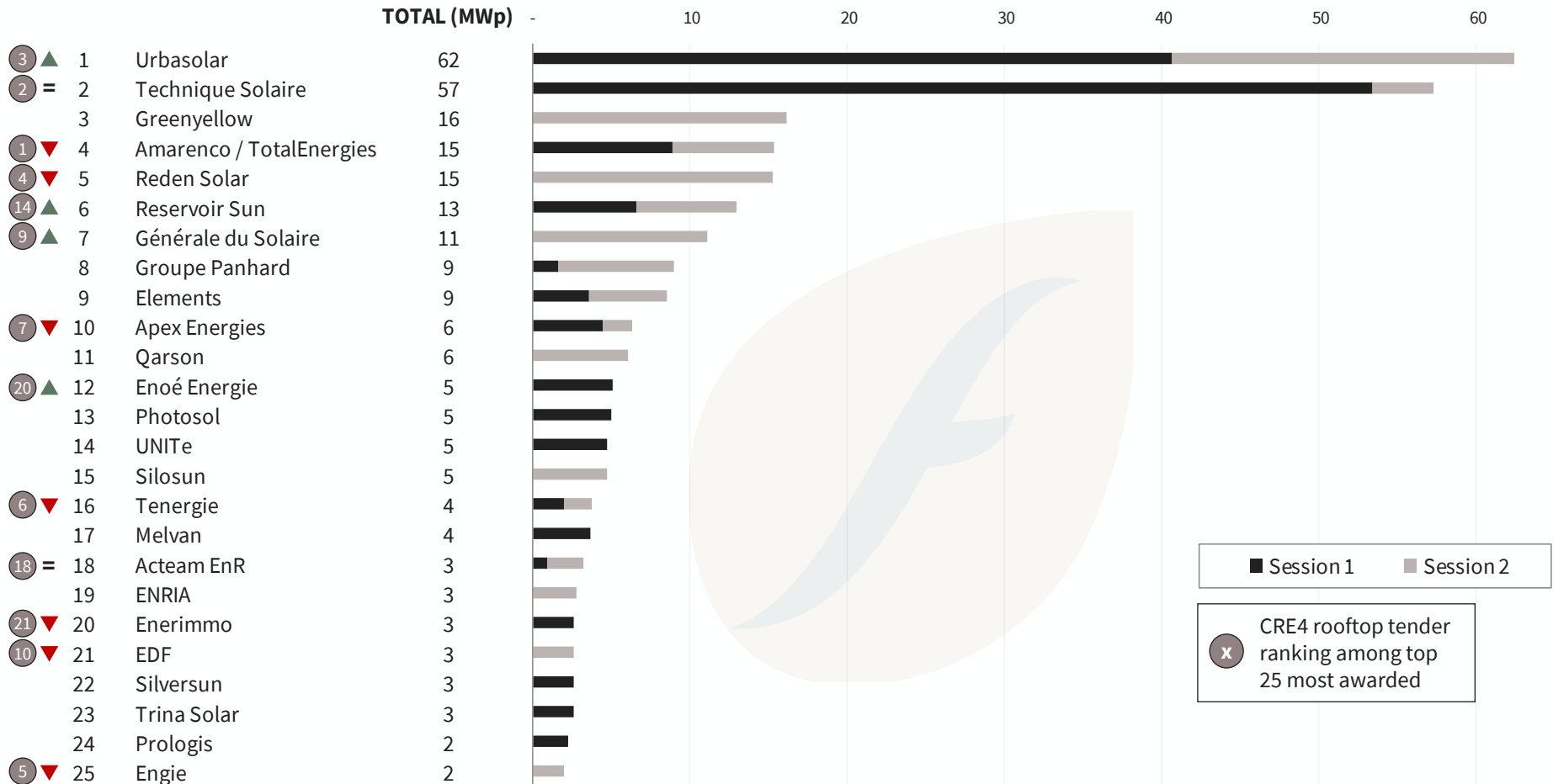
Average tariff evolution since CRE4 tender (€ per MWh)



PPE2 PV rooftop tender – Top 25 developers

Many of the 25 PPE2 most-awarded developers were already among the 25 most-successful under CRE4

Top 25 most-awarded developers under the PPE2 rooftop tender



N.B.: This graph shows the cumulated projects capacity awarded to each developer; note that the developer might not be the final owner of the plant.



Contacts

N'hésitez pas à nous contacter



Arthur OMONT
Vice President

M. +33 (0) 7 81 34 61 40
aom@finergreen.com



Bastien MARTINEZ
Associate

M. +33 (0) 7 60 03 29 06
bma@finergreen.com





FINERGREEN

