

Results analysis

PPE2 tender for rooftop PV – Session #1

Version 1.10

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PPE2 PV rooftop tender #1 – Introduction

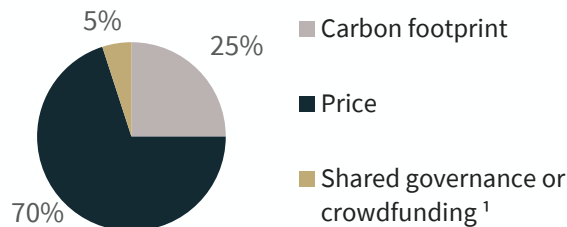
The PPE2 tender for rooftop PV grants solar developers a feed-in premium for their installation

Introduction

- With the CRE 4 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 **1st session of the PPE2 tender for PV rooftops**, released on February 7th 2022. Since the last session of the CRE4 tender for PV rooftops, the **average tariff has slightly decreased** (-0,5%). The tender session was **undersubscribed** with 151 MWp awarded for 300 MWp called.

Tender criteria

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



- Rating:

Tender criteria

	CRE 4 13th session	PPE2 first session
Awarded capacity	323,6 MWp	151,1 MWc
Number of awarded projects	820	52
Average awarded tariff	€ 83,55/MWh	€ 83,12/MWh
Maximum bidding tariff	N.A.	€ 86,00/MWh
Application deadline	July 9 th , 2021	October 22 nd , 2021

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 #1 – What’s new since CRE4

The PPE2 tender for PV rooftops, shade & green houses is a straight-forward follow-up to the CRE 4 rooftop tender with some adaptations

Notable adjustments since CRE 4 rooftop tender

The PPE2 tender for rooftop PV has evolved from the CRE 4 rooftop tender:

- **Shade houses** are now **part of this tender** – under CRE 4, 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

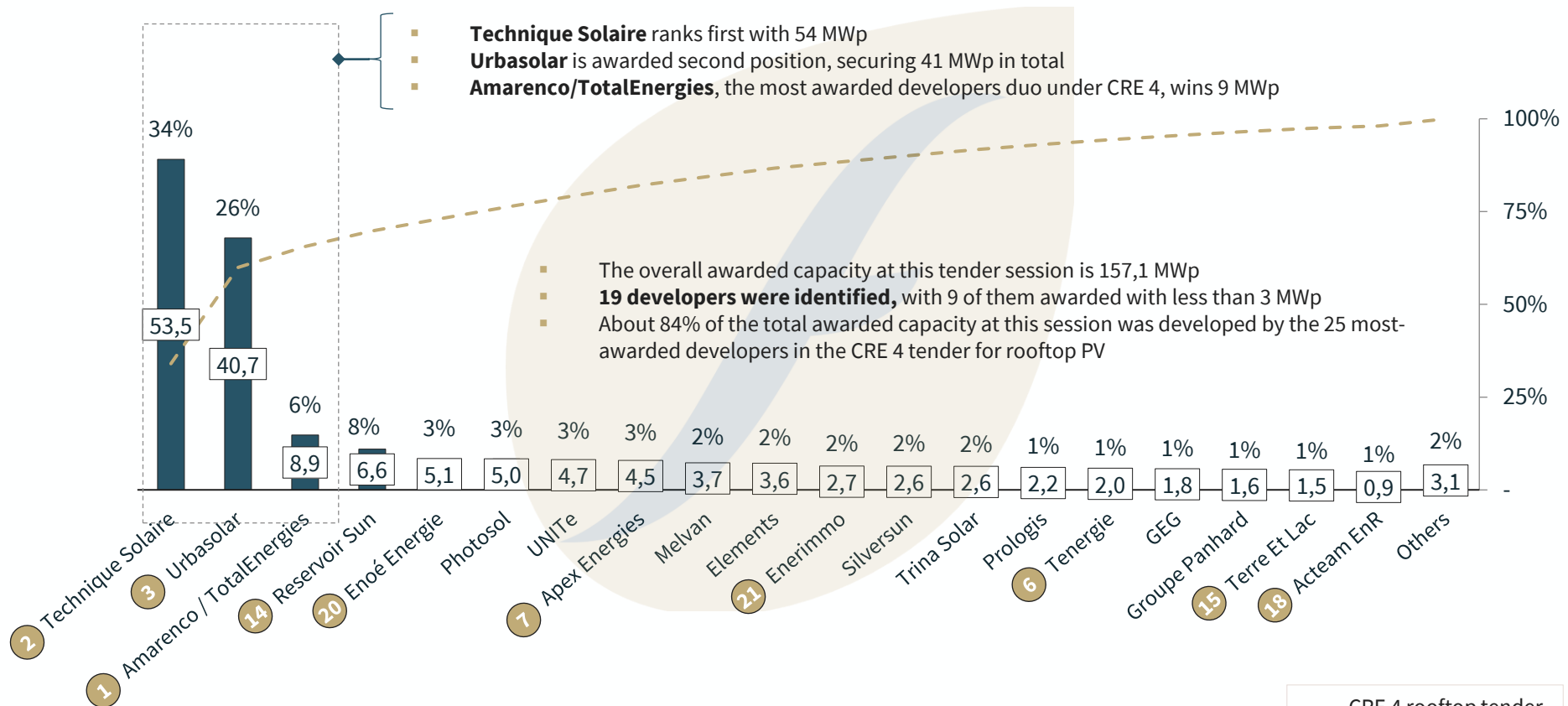
N.B. Finergreen has recently released a comparative study on the key adjustments made since CRE 4 in the different PPE2 tenders’ specifications. Please reach out to us if interested!



PPE2 PV rooftop tender #1 – Awarded projects

The total awarded capacity amounts to 157 MWp, with 19 identified developers

Capacity awarded per developer (MWp)



N.B. Finergreen was unable to match 3.1 MWp to their corresponding developer. Please get in touch with us if you wish to see any information adjusted.
 N.B. 2: This graph shows the cumulated projects capacity awarded to each developer; note that the developer might not be the final owner of the plant.

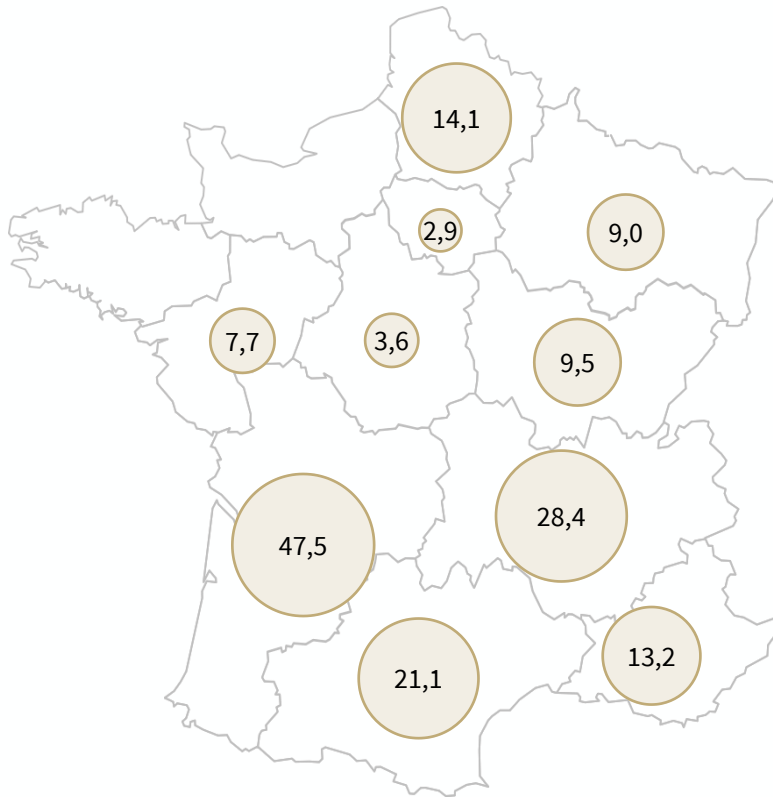
x CRE 4 rooftop tender ranking among top 25 most awarded



PPE2 PV rooftop tender #1 – Mapping

The most awarded regions are the sunniest

Capacity awarded per region (MWp)

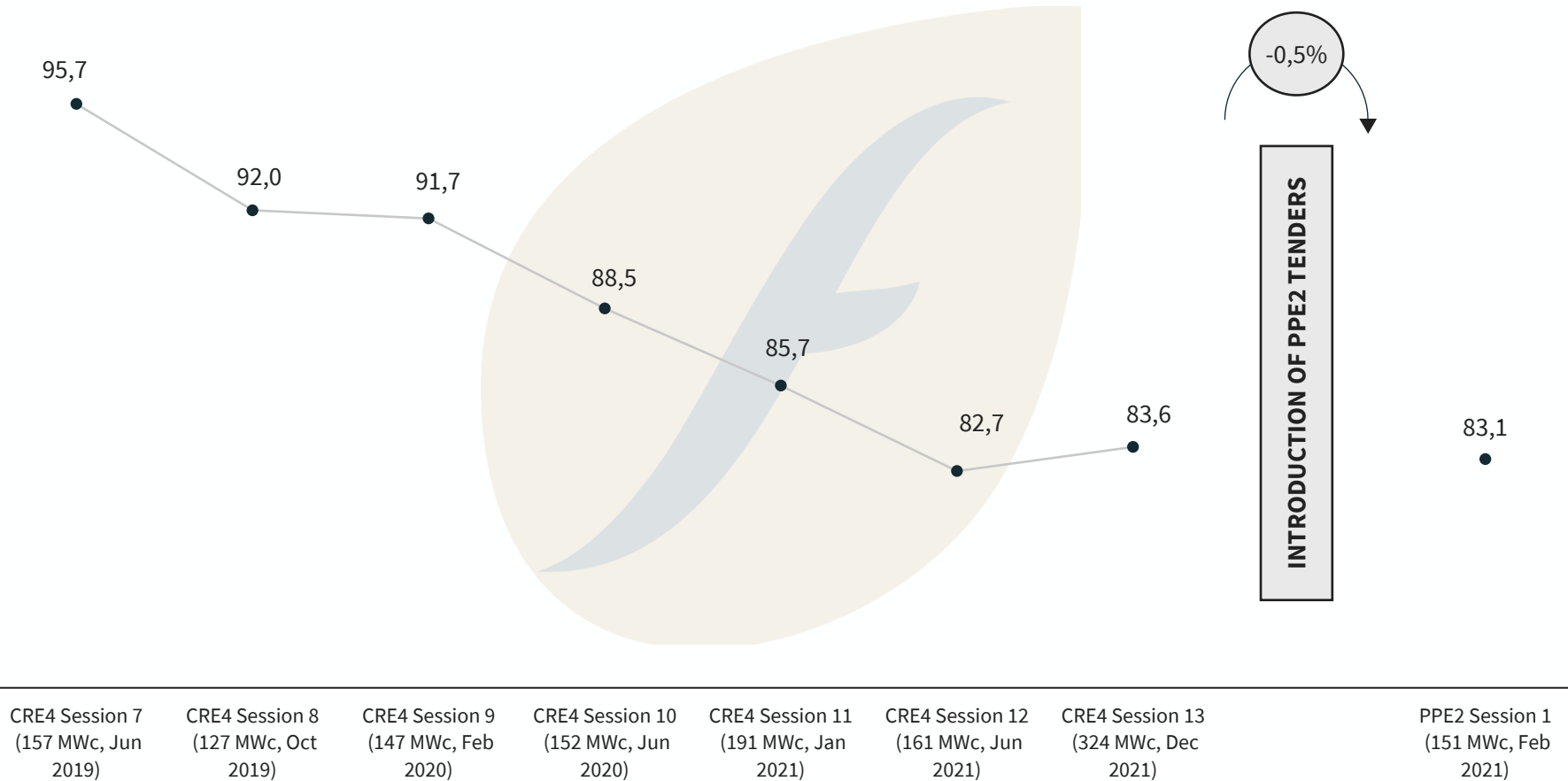


- **Nouvelle Aquitaine** is the region with the **greatest awarded capacity** on this 1st session of the PPE2 tender for solar rooftops
- Unsurprisingly, the geographical distribution of the winning projects is largely explained by the solar resource as **more than two thirds of the total capacity are in the 4 southernmost regions**
- **Grand Nord displays a tremendous performance** at this tender session, securing close to 10% of the total capacity, thanks to one of Urbasolar's awarded projects for 12.8 MWp

PPE2 PV rooftop tender – Tariff evolution since CRE4

Since the last session of the CRE4 tender for rooftop PV, the average tariff has slightly decreased (-0,5%)

Average tariff evolution since CRE 4 tender (€ per MWh)



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