

# Results analysis

## *PPE2 tender for rooftop PV – Session #5*

Version 1.20

— AUGUST 29<sup>TH</sup>, 2023

# PPE2 PV rooftop tender #5 – Introduction

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

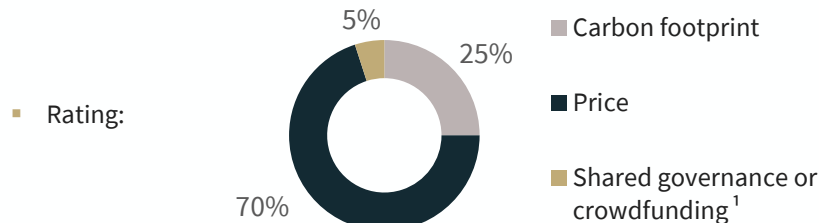
## Introduction

- 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 **5<sup>th</sup> session of the PPE2 tender for PV rooftops**, released on August 25<sup>th</sup>, 2023. Since the last session of the PPE2 tender for PV rooftops, the **average tariff has slightly decreased** (-2.5%). The capacity called **was exceptionally increased from 400 MWp to 800 MWp** to make up for the last session issues about projects non-conformity on financial guarantees. Still, this 5<sup>th</sup> tender session was **largely undersubscribed** with 378.3 MWp awarded for 800 MWp called. The awarded volume is therefore close to the initial targeted capacity of 400 MWp

## Tender criteria

Type: Rooftops, green houses, barns & car parks

Capacity: Above 500 kWp



## Key data

	PPE2 Session #4	PPE2 Session #5
Awarded capacity	57.6 MWp	378.3 MWp
Number of awarded projects	16	90
Average awarded tariff	€ 104.52/MWh	€ 101.95/MWh
Maximum bidding tariff	No maximum bidding tariff	No maximum bidding tariff
Application deadline	January 20 <sup>th</sup> , 2023	June 23 <sup>th</sup> , 2023



# 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
- 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

<b>Minimum</b>	200 kg CO2 eq/kWp
<b>Maximum</b>	550 kg CO2 eq/kWp

## Tender calendar

	<b>Application deadline</b>	<b>Tendered capacity</b>
<b>1<sup>st</sup> session</b>	October 22 <sup>th</sup> , 2021	300 MWp
<b>2<sup>nd</sup> session</b>	February 25 <sup>th</sup> , 2022	400 MWp
<b>3<sup>rd</sup> session</b>	July 1 <sup>st</sup> , 2022	400 MWp
<b>4<sup>th</sup> session</b>	January 20 <sup>th</sup> , 2023	400 MWp
<b>5<sup>th</sup> session</b>	<b>June 23<sup>rd</sup>, 2023</b>	<b>800 MWp</b>
<b>6<sup>th</sup> session</b>	December 1 <sup>st</sup> , 2023	400 MWp
<b>7<sup>th</sup> session</b>	2023 TBD	400 MWp
<b>8<sup>th</sup>, 9<sup>th</sup> &amp; 10<sup>th</sup> sessions</b>	2024 TBD	300, 400 & 400 MWp
<b>11<sup>th</sup>, 12<sup>th</sup> &amp; 13<sup>th</sup> sessions</b>	2025 TBD	300, 400 & 400 MWp
<b>14<sup>th</sup> session</b>	2026 TBD	300 MWp

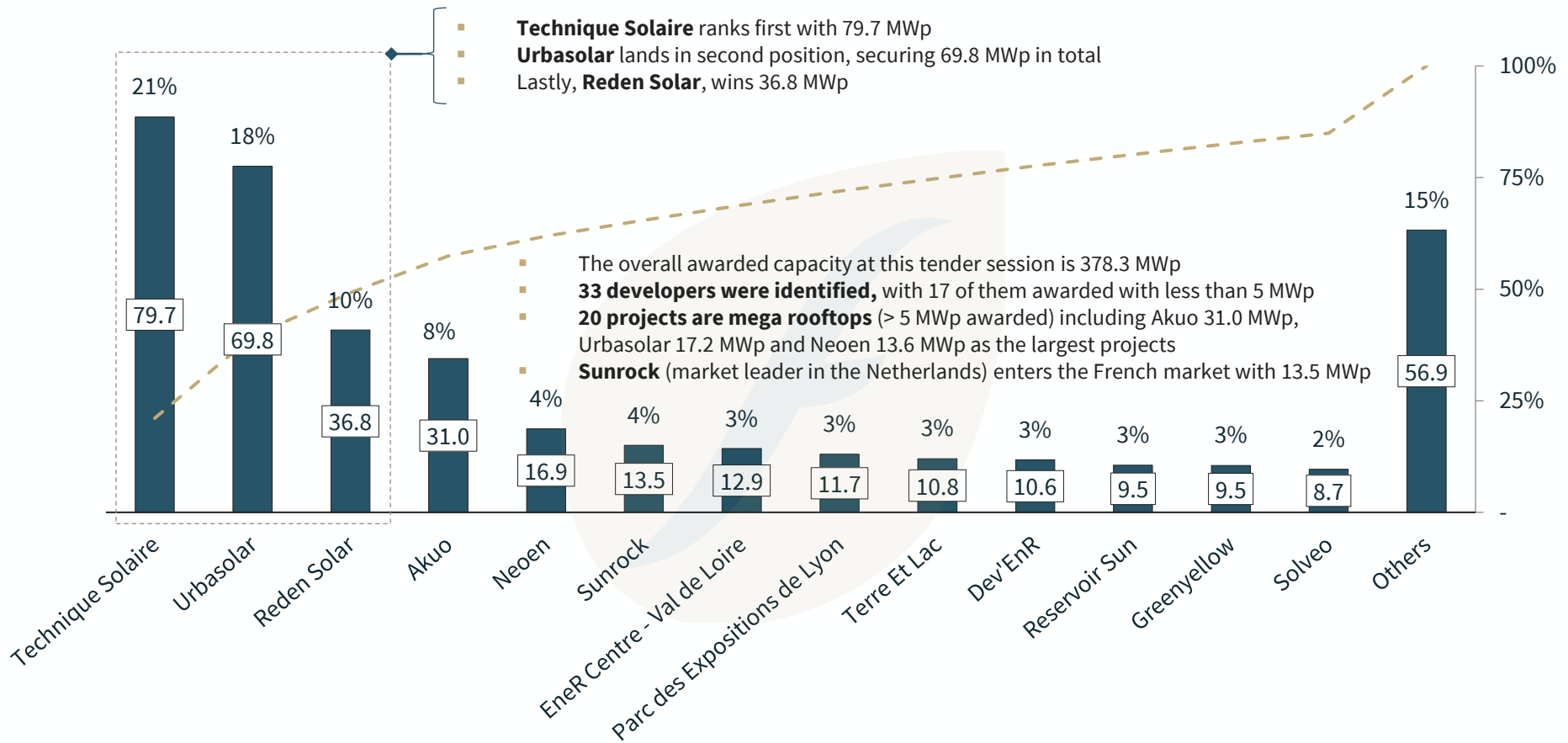
*N.B. Finergreen has released a comparative study on the key adjustments made since CRE4 in the different PPE2 tenders’ specifications. Please reach out to us if interested!*



# PPE2 PV rooftop tender #5 – Awarded projects

The total awarded capacity amounts to 378.3 MWp, with 33 identified developers

## Capacity awarded per developer (MWp)



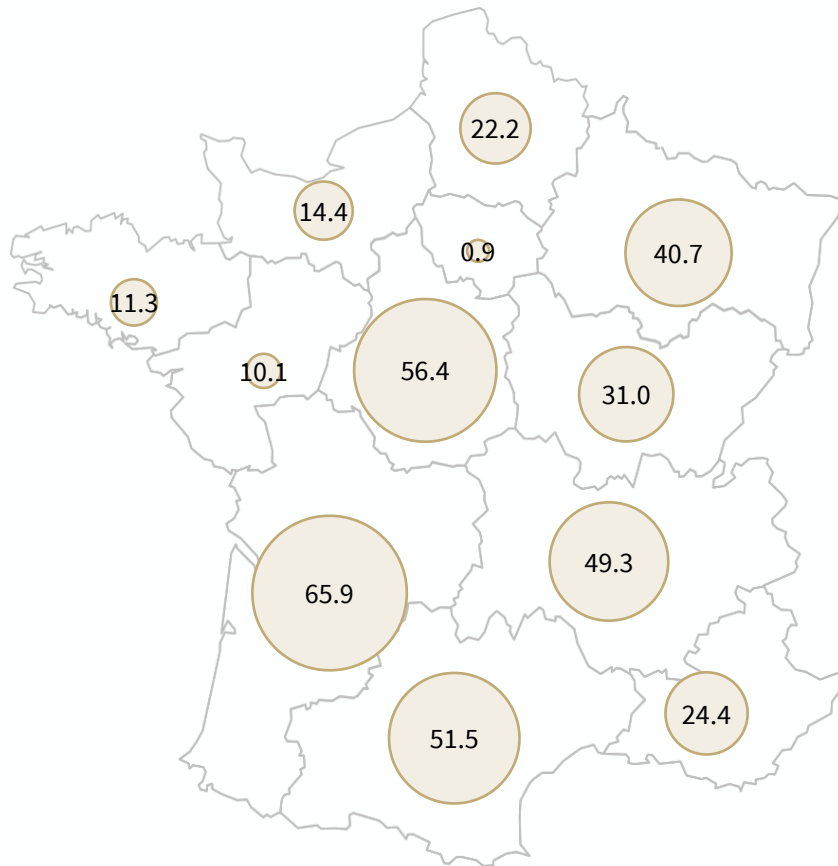
N.B.: This graph shows the cumulated projects capacity awarded to each developer; note that the developer might not be the final owner of the plant.



# PPE2 PV rooftop tender #5 – Mapping

*Nouvelle Aquitaine is the most awarded region with 65.9 MWp*

## Capacity awarded per region (MWp)

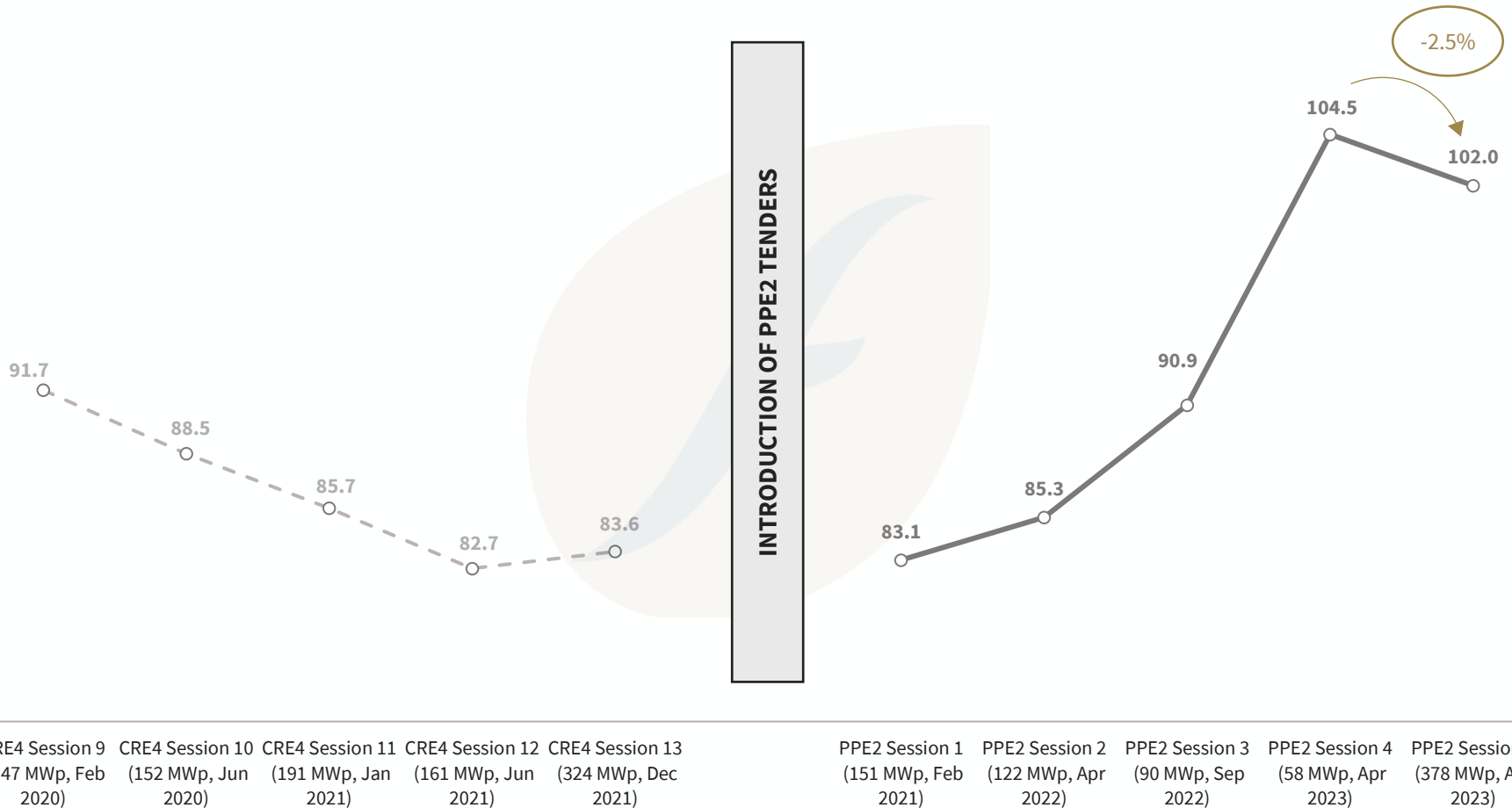


- **Nouvelle-Aquitaine and Centre-Val de Loire** are the regions with the **greatest awarded capacities** on this 5<sup>th</sup> session of the PPE2 tender for solar rooftops, with respectively 65.9 MWp and 56.4 MWp. Thanks to this make-up session, 4 regions are also breaking the awarded capacity record which was set at 47.5 MWp by Nouvelle-Aquitaine in session #1
- Once again, the **Northern half of France displays a great performance**, securing **just under half of the total awarded capacity** at this tender session
- On average, **projects located in the Northern half are almost three times as big as projects located in the Southern half** (i.e. 9.9 MWp vs. 3.6 MWp); this is likely due to the **ever-heavier land pressure for solar assets in the sunniest regions**. On top of that, most of the mega rooftops above 10 MWp are located in Northern half of France
- Occitanie is the region with the largest number of projects (i.e. 19) while Bourgogne-Franche-Comté and Île-de-France only have one project each

# PPE2 PV rooftop tender – Tariff evolution

Since the last session, the average awarded tariff slightly went down (2.5%) but remains close to its highest level above €100/MWh

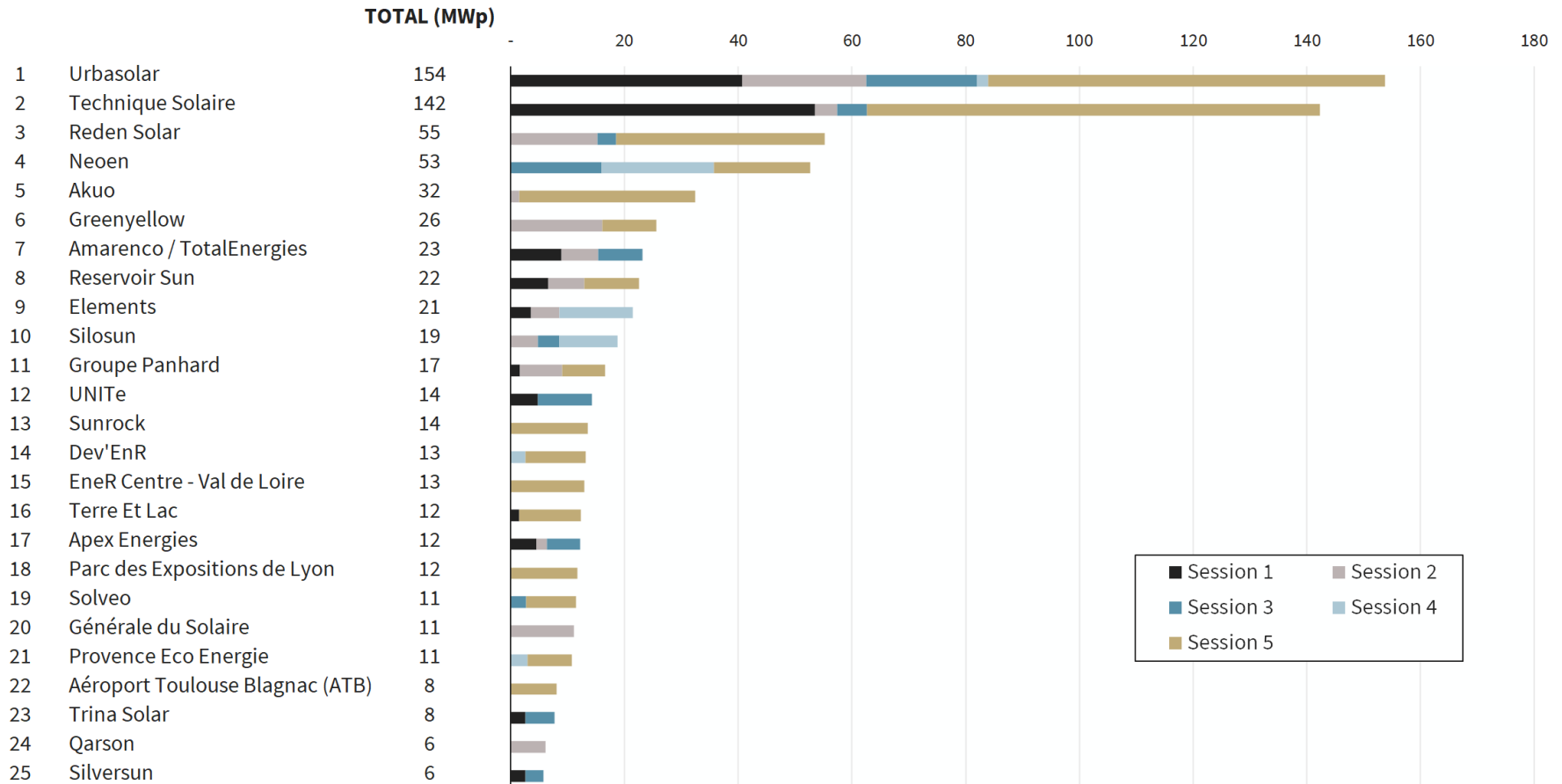
## Average tariff evolution since CRE4 last tenders (€ per MWh)



# PPE2 PV rooftop tender – Top 25 developers

Urbasolar rises to the 1<sup>st</sup> place, Reden Solar enters the Top 3 while Akuo makes it to the Top 5 thanks to its mega rooftop project of 31 MWp

## 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

*Do not hesitate to contact us*



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