

Results of 2021 local flexibilities services Call for Tenders

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V0	23/08/2021	Creation	

Associated documents and Annexes:

Web page – <https://www.enedis.fr/co-construction-flexibilite-locale>

Web page – <https://flexibilites-enedis.fr>

Summary

Results of 2021 Enedis local flexibilities calls for tender.

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1. CONTEXT

Local flexibilities can be a useful tool for grid planning and real-time operation purposes. Subject to reliability and competitiveness, local flexibilities are an effective tool to alleviate grid constraints that would otherwise cause outages or voltage fluctuations.

Enedis develops a program to transform its planning and operation methods, tools and information systems, to fully integrate local flexibility, in order to enable the energy transition and to enhance grid performance. Enedis, through local flexibilities, can:

- Reduce costs and delays of RES producers connections (to date, the biggest source of flexibility opportunities) but also of consumers ;
- Use a new tool for grid planning and real-time operations.

Enedis approach is incremental, pragmatic and determined: Enedis roadmap, published in 2020, and Enedis workshops and dialogue with the market stakeholders set up its bases.

The Clean Energy Package and its Electricity Directive (EU 2019/944) was transposed into the French energy code in 2021: it shapes the essentials of French local flexibility development. Enedis had anticipated the EU directive and had started since 2018 to work on a market-based procurement process for local flexibilities. To build it, Enedis worked closely with all stakeholders and launched in November 2018 a call for input to collect their needs and expectations. Its synthesis¹ was published in June 2019

This co-construction work sets a coherent framework Enedis could use to procure flexibility services: Enedis launched its first Request for Interests in November 2019 and five Call for Tenders² to alleviate consumption constraints in June 2020.

A review of these call for tenders was run with market stakeholders and led to suppressing the Request for Interests and extending the Call for Tenders duration to 5 months. In 2021, Enedis kept going on its market-based procurement approach: Enedis launched three call for tenders that started on March 22nd 2021 and closed on August 20th 2021.

This report details the results of 2021 Call for Tenders.

¹ Available in French on Enedis website: <https://www.enedis.fr/media/2370/download>

² Results available, in French, on Enedis website : <https://www.enedis.fr/media/2367/download>

2. CALLS FOR TENDERS RESULTS

The results of the calls for tenders are summarised in the following table:

Flexibility opportunity area	Number of submitted offers	Number of winners	Bought products	Sum of activated volume expectations ³	Type of contracts (with/without availability)
Flex Boucles de Marne	0	0	-	-	-
Fourmanoir	0	0	-	-	-
Paris Breteuil	0	0	-	-	-

The detail of each call for tenders, expected products and results are given for each area in the next paragraphs.

³ Enedis does not commit on a minimum activated volume during the contract.

2.1. Flex Boucles de Marne Area

Enedis has identified in Flex Boucles de Marne area an opportunity to use flexibility services as an additional lever to operate 3 primary substations.

Call for tenders characteristics

Type of contract: **contract without availability (no commitment to supply)**

Period: from **December 2021** to December 2022, possible renewal on year 2023 and year 2024.

Activation period: from mid-December 2021 to March 2022 and mid-December 2022 to end of December 2022 on 6pm-9pm and 10pm-12m slots (possible renewal up to December 2023 and December 2024).

Ranking criteria: **only on submitted price**

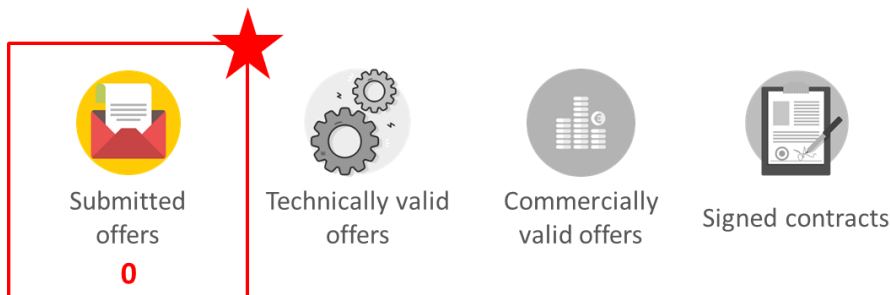
Maximum number of winner: **no limit on number of winners**

Payment and associated penalty: **payment on activated energy, penalty proportionate to missing energy**

Required products in call for tenders

Product	P1	P2	P3	P4	P5	P6
Capacity (MW) between 6pm and 9pm	1	2	3	0	0	0
Capacity (MW) between 10pm and 12pm	0	0	0	1	2	3
Full Activation Time (min)	15					
Activation duration between 6pm and 9pm	≥60			0		
Activation duration between 10pm and 12pm	0			≥60		
Neutralisation duration between activation (h)	21			22		
Ramp (MW/min)	4					
Information lead time	0 – on outage					
Activated Volume expectation (MWh/year) ⁴	0.18	0.36	0.54	0.17	0.34	0.50

Call for tenders results on Flex Moutain area



Winners and contracts details

Winners	Bought products	Sum of activated volume expectations ⁵	Near real-time ranking criteria
-	-	-	-

⁴ For information purpose only

⁵ Enedis does not commit on a minimum activated volume during the contract.

2.2. Fourmanoir Area

Enedis has identified in Flex Boucles de Marne area an opportunity to use flexibility services as an additional lever to secure a primary substation while waiting for reinforcement works.

Call for tenders characteristics

Type of contract: **contract with availability (commitment to supply)**

Period: from **January 2022** to December 2023, possible renewal on year 2024.

Activation period: from January 2022 to February 2022 and from January 2023 to February 2024 on 9am-12am, 12am-2pm and 2pm-4m slots (possible renewal up from January 2024 to February 2024).

Ranking criteria: **only on submitted price**

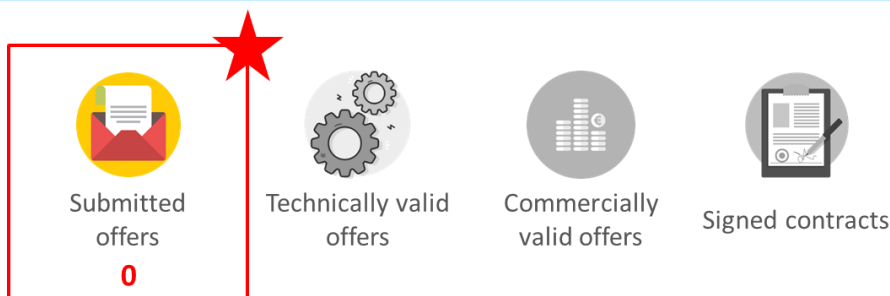
Maximum number of winner: **only one winner**

Payment and associated penalty: **capacity payment and payment on activated energy, penalty proportionate to number of expected activation**

Required products in call for tenders

Product	P1	P2	P3	P4	P5
Capacity (MW) between 9am and 12am	0,5	0,5	0,5	0,5	0
Capacity (MW) between 12am and 2pm	2,5	2	2	1,5	1,5
Capacity (MW) between 2pm and 4pm	1	0,5	0	0,5	0
Activation duration (h)	7	7	5	7	2
Neutralisation duration between activation (h)	0	0	0	0	22
Ramp (MW/min)	4				
Information lead time	J-1 11h				
Activated Volume expectation (MWh/year) ⁶	12,6	9,8	9,7	7,5	7,0

Call for tenders results on Flex Moutain area



Winners and contracts details

Winners	Bought products	Sum of activated volume expectations ⁷	Near real-time ranking criteria
-	-	-	-

⁶ For information purpose only

⁷ Enedis does not commit on a minimum activated volume during the contract.

2.3. Paris Breteuil Area

Enedis has identified in Paris Breteuil area an opportunity to use flexibility services as an additional lever to operate 4 MV feeders.

Call for tenders characteristics

Type of contract: **contract without availability** (no commitment to supply)

Period: from **November 2021** to December 2022, possible renewal on year 2023 and year 2024.

Activation period: from November 2021 to March 2022 and November 2022 to end of December 2022 on a 10am-1pm slot (possible renewal up to December 2023 and December 2024).

Ranking criteria: **only on submitted price**

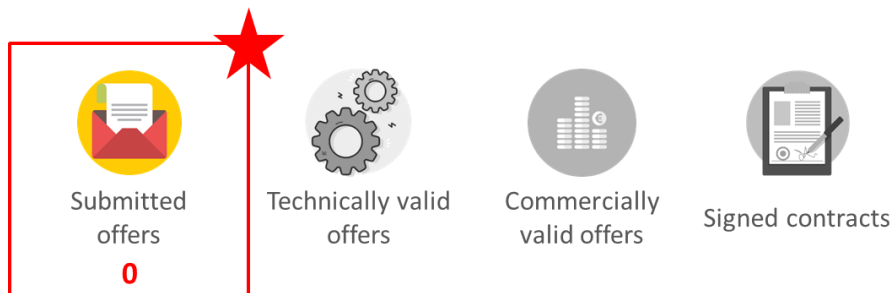
Maximum number of winner: **no limit on number of winners**

Payment and associated penalty: **payment on activated energy, penalty proportionate to missing energy**

Required products in call for tenders

Product	P1	P2
Eligibility Area	PB201-203	PB202-204
Capacity (MW)	≥1	≥1
Full Activation Time (min)	≤10	≤10
Activation Duration (h)	≥30	≥30
Neutralisation duration between activation (h)	21	
Ramp (MW/min)	4	
Information lead time	0 – on outage	
Activated Volume expectancy (MWh/an) ⁸	8,30	8,13

Call for tenders results on Flex Moutain area



Winners and contracts details

Winners	Bought products	Sum of activated volume expectations ⁹	Near real-time ranking criteria
-	-	-	-

⁸ à titre informatif

⁹ Enedis does not commit on a minimum activated volume during the contract.

