Collective Energy Pérenchies

by nicolas hernigou / 2021-03-24 10:56:27 / France / 4048 / FR

CO2 Impact : target impact (see city deployment strategy)

Digital services : Smart metering, Smart grid

17 000 €

Builder

Sun Elec company

Manager / Dealer

Collective energy Pérenchies - Cohérence Energies

GENERAL INFORMATION

From its building located in the town of Pérenchies (59 - Lille metropolis), the Cohérence Energies company wished to make a more concrete commitment by deploying an innovative collective self-consumption operation. It is an infrastructure based on an inclusive model that interacts with its environment (district, city, multi-stakeholder). Following regulatory developments, a photovoltaic renewable energy production installation has made it possible, since the start of 2020, to supply in short circuits, via the public electricity network and smart meters, several consumers in Pérenchies with traceability real. Based on a local economy (producer-consumer relationship), a renewable energy community, such as an Energy AMAP, has been set up.

The first consumer-actors joined the operation via this responsible and resilient purchasing approach: pharmacy, bakery, social landlord, individuals ... and thus have local, green electricity at a price that is controlled over time. according to real traceability. The community is developing with the support of Cohérence Energies and a dynamic of ambassadors is being put in place (energy between neighbors, sobriety actions, other production equipment, etc.).

1st brick, the deployment plan aims for a local loop representing by 2023, 5 to 6 new production sites making it possible to gradually supply around 200 public / private consumers.

Progress Status

Delivered

Data Reliability

Self-declared

Funding Type

Private

Website Enterprise / Infrastructure

https://www.energiecollectiveperenchies.fr/

Sustainable Development

Attractiveness :

A community (collective of participants, around ten at this stage with the 1st installation) has been set up (formalization of an association bringing together producers and consumers). The current deployment plan provides for new facilities and the grouping of private and public actors with different roles (producer and / or consumer): public buildings (municipalities, schools, etc.), businesses, etc.

Well Being :

Implementation of monitoring tools and discussion time between participants. Annual review and energy sobriety support program.

Social Cohesion :

Like the food short circuit, a direct relationship is established between producer and consumer. Responsible purchasing (local sustainable economy) and concrete commitment to energy transition action helps foster a multi-stakeholder social link that goes beyond the usual framework of investing in production equipment. Consum'actors become actors of a local solution!

Preservation / Environmental Improvement :

Local photovoltaic solar energy in particular fully contributes to reducing the demand for withdrawal from the network and therefore centralized production which emits more greenhouse gases (limitation of electricity transport).

Resilience :

This operation implies a lasting change via an economic commitment of proximity and a concrete local relocation of the production and the purchase of energy. The production of renewable energy is no longer only an act of investment (public or private / citizen) with a contract guaranteed by the state but also an activity with economic interactions and local cooperation.

Responsible use of resources :

The 1st brick was made by favoring coherent choices: local installer, photovoltaic panels made in France.

Monitoring combines monitoring tools (remote display tests, web portal, etc.). It is planned to support consumers to understand a better synchronization of their profile, to carry out load shifts to better correspond to the hours of "solar" production and the provision of the local resource.

- adaptation of consumption uses and schedules (synchronization with renewable resources, individual levers for change: postponement of uses, etc.),
- awareness of the presence of natural solar resources, including in the Hauts de France region.
- individual and collective reflection on the challenges of energy efficiency and sobriety (purchase of high-performance appliances, renovation of housing, etc.).

Testimony / Feedback

“We are convinced that we have to experiment with this type of model and that we, as a social landlord, have a major role to play in the development of collective self-consumption. We therefore spoke to our tenants about it and three of them showed interest. ”, Explains Thomas Damay, manager of the heritage division of 3F Notre Logis.

“We therefore decided to create an association, so that we, green energy producers, can get in touch with consumers wishing to obtain local electricity. Like an energy Amap, finally "," The idea is not there to come and invest money, but really to establish a producer-consumer relationship "," The confinement made it possible to reflect on the world of afterwards and we feel a particular appetite for a resilient model, ”concludes Nicolas Hernigou of Cohérence Energies. President of the collective "Collective energy Pérenchies"

“I have already touched two words on a neighbor who has rehabilitated a farmhouse,” smiles Jack-Yves Delsert.

Governance

Energy Coherence

Holder Type : Consortium of companies

Sun Elec company

Builder Type : Other

Collective energy Pérenchies - Cohérence Energies

Manager / Dealer Type : Private

Multi-actor organizational diagram evolving around an associative model

Business Model :

Short-circuit renewable energy marketing from producer to consumer on a city scale (8,600 inhabitants)

Sustainable Solutions

- Urban project governance
- Climate adaptation
- Renewable energies
- SmartGrids

Photo credit

Energy Coherence

Contest

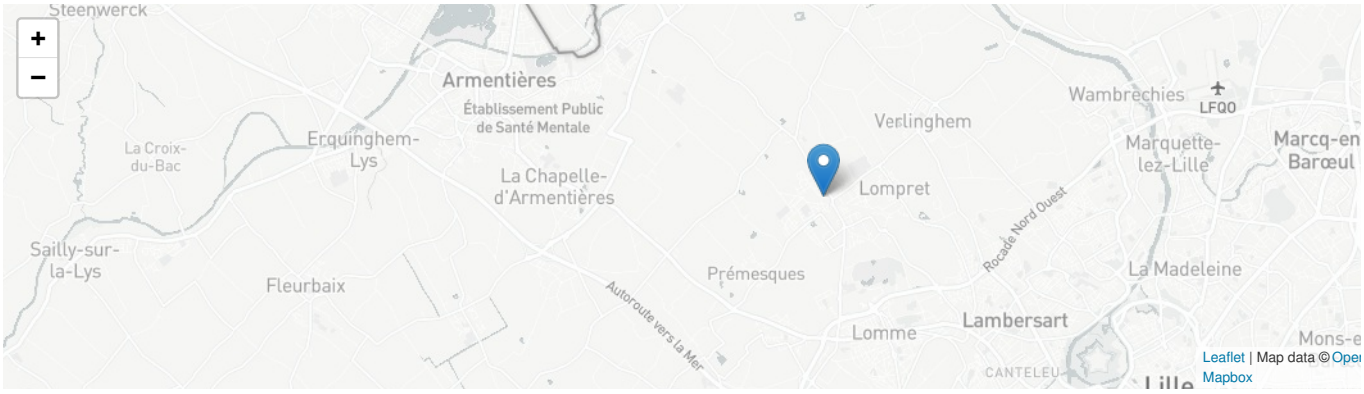
Reasons for participating in the competition(s)

Autoconsommation collective photovoltaïque à l'échelle d'une petite ville.

Modèle associatif pour une production/consommation d'énergie locale en circuit court.

Building candidate in the category

Grand Prix Infrastructure Durable



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