BEST PRACTICE

RENEWABLES NETWORKING PLATFORM

with the support of

Photovoltaic cooperatives

Dippach, Luxembourg – 3 860 inhabitants

Solar energy – Cooperative - Green savings

Besides providing financial help to citizens willing to install solar thermal collectors, thanks to local cooperatives the municipality of Dippach also offers the opportunity to inhabitants who do not have suitable space to exploit solar energy potential.

Credits: Energiepark

Project in a Nutshell

Financial and technical management is provided by the company Energipark Reiden s.a. which supports municipalities willing to use public space for installation of photovoltaic panels in co-ownership. On the initiative of the municipality of Dippach, two major photovoltaic installations were completed in 2017. The first of these was placed on the roof of the new school in Schouweiler whose first injection into the network took place in September 15, 2017. The second, in collaboration with the Southern Waters Union (SES), was installed on the water tank envelope at Rebierg. The first injection into the network of this facility took place on October 24, 2017.

Impact & Next steps

A production of 183 000 kWh/year for the SES installation, and 173 000 kWh/year for that at Schouweiler, can be achieved. Together, the installations would allow to save around 98 ton CO2 from being dispersed in the area each year.

The sale price of the photovoltaic system amounts to € 1 124.24 for 0.842 kWp. The power is 200 kWp for the SES installation and 185 kWp for the installation at Schouweiler. In terms of profitability, the investment is comparable to a savings account with interest of 2% for a period of 15 years. Members of the cooperative benefit from a reliable source of income and a green savings account for the future.

Replicability: Challenges & Success Factors

Thanks to the photovoltaic cooperatives, the municipality of Dippach offers the opportunity to inhabitants not having a suitable roof for the installation of photovoltaic panels to exploit the potential of solar energy. For example, 119 private individuals grouped themselves into the cooperative society SESchuller-Solar s.c. The cooperative is currently producing renewable electricity for 90 households.

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