

Energy income facilities for photovoltaics in homes and buildings.



Country	Italy
Sector	Building
Year	2019
Narrative description	<p>The Puglia Region passed a law (unanimously voted in the regional parliament) which establishes a sort of "energy income" for citizens and aims at loaning solar photovoltaic plants to low income families, allocating a budget of 5.6 million euros for 2019. The law will focus firstly on energy poverty families but will be gradually extended to all citizens, in the intentions of the regional government. The average installation will be 3kWp and its cost will range from €6000 to €8500 (if a battery system is added).</p> <p>Purchase, installation, extraordinary maintenance, remote control and collection of production and consumption data, public tenders will be carried out by the Government.</p> <p>Families will use the energy for self-consumption and the part which is not used is fed back to the grid and thus generates a small cash flow that will implement a revolving fund: this creates a positive loop that will keep alimentering the flow of installations on the roofs.</p> <p>The property of the panels remains in the hands of the regional government. The project is not limited to photovoltaics: it also allows for micro wind turbine and solar thermal panels to be installed.</p>
Responsible authority	Puglia Regional Government
Relevant legal basis	Regional Law n. 42, 9 th August 2019 "Istituzione del Reddito energetico regionale"
Policy Type	Energy poverty

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Governance Level/ Target audience	The project is centrally managed by the regional government's offices and especially addressed families in socio-economic difficulties.
Objectives	The goal was not only to provide a concrete tool for families with socio-economic difficulties that could cover part or all of their energy costs, but also to develop concrete action in line with the development policies of renewable sources and with climate objectives.
Summary of reasons for success	<p>The project started in 2019 and aims to install roughly 1000 PV roofs, with an expected 3MW installed power. The annual solar yield should be 4200 MWh/y. PV panels have an expected payback time of 5 to 6 years in Puglia, but as most consumption will be retained by citizens, the value saved for the revolving fund is likely to be low and the payback might be eventually closer to 20y. This has to be seen more as a social measure.</p> <p>CO2 savings are expected to be 34.400 TCO2eq in 20 Years.</p> <p>The project is quite innovative: the idea of loaning panels to low income families instead of paying their bills is a new one in Italy. Another relevant keystone of the project is that thanks to the financial scheme adopted, no upfront cost is there for families, as they might not be able to afford the investment and/or access bank credit. The measure is expected to create jobs in the region and improve quality of living of at least one thousand families.</p>
Replication potential	Very high replication potential. Any regional government in Italy can put in place such a scheme. Similar areas in other countries can also adopt this scheme, as all documents are public and online.
Relevant Link	https://www.ilsole24ore.com/art/in-puglia-arriva-reddito-energetico-ACAb4CZ