



Judenburg, Austria PV Installation as PPP model

DESCRIPTION OF THE ACTION

Time period: 2013 onwards

The Stadwerke Judenburg AG (ESCO, 100 % owned by the municipality of Judenburg) planned and installed a PV – system on a green field at the west-end of the City of Judenburg. The PV-system has a power of 500 kWp and consists of 2.000 PV-modules. The area of the field is 3.500 m². The PV-system was built in accordance to the green energy law, this means the electricity is fed into the public electricity grid, financed by subsidised feed-in tariffs.

The innovative part is that the citizens of the city and customers of the Stadtwerke can participate in this model in a public private partnership PPP. The PPP-model is called SALE & LEASE BACK, this means people can buy 1 to max 10 PV modules for a price of 650 €/unit, maximum investment per person is 6.500 €. These people get an interest rate of 3,125 % on their investment, which is significantly more compared to a bank account, without any risks. The minimum time of the partnership is five years. This amount of money will be balance on the electricity bill for the customers.

PARTNERS INVOLVED

- Stadwerke Judenburg AG, as initial investor and operator
- City of Judenburg, as 100 % owner of the Stadtwerke, to assist in the model and marketing
- Customers and citizens as investors in the PPP-model, they buy and own the modules, but lease them back to the Stadtwerke, therefore they get the interest rate of 3,125 % on their investment.



KEY RESULTS

- The project is installed; citizens are partners and owners of the modules and earn profit from them. The Stadtwerke has the investment sum of the people available for covering the initial investment costs.
- The model is profitable for participating customers as well as the Stadtwerke, because they get also the feed-in tariff by the green electricity law.

Success factors

- Available feed-in tariffs by the green electricity law
- Innovative PPP model based on SALE and LEASE BACK
- Trust into a strong public owned ESCO Stadtwerke for a long term partnership

BARRIERS ENCOUNTERED

- Investment only possible if feed-in tariffs are available





FINANCING

Investment costs	700.000 EUR
Lifetime (service life)	30 years
Annual operational costs (incl. repairs, maintenance and other specific costs)	1% of the investment costs
Annual revenues from feed-in-tariffs	App. 92.000 EUR

HOW PV PPP MODEL WORKS IN JUDENBURG

- Customers of the Stadtwerke bought 1 – 10 PV-modules for a fixed price of 650 €/unit, the Stadtwerke leased back the modules and operate the system. Minimum period for partnership is 5 years.
- Customers get an interest rate of 3,125 % on their investment from the Stadtwerke, balanced on their energy bill
- The Stadtwerke get a feed-in tariff of 0,1659 €/kWh delivered to the public grid, based on the green electricity law
- Annual operational cost incl. salaries, repairs, maintenance and other specific costs are approx. 1 % of the investment costs.
- Annual revenues – approx.. 92.000 €/year from the feed-in tariffs according to the green electricity law. With this money the Stadtwerke pay the interest rate to the customer, and the other part they have to reserves for buying back the modules from the people at the end of the lifetime of the sale & lease back contract.

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