



# Intervention for PV installation

Municipality of Celle Ligure

- Installation of a solar PV system for energy saving and CO2 emissions reduction



## Standard product / conventional tender

- The public building was supplied by traditional electricity

## GPP (PRIMES) tender

- a PV system has been installed on the building to provide electricity

## Results

- CO2 savings 4 t /y
- Energy savings 8 MWh/y
- Financial savings (if available)

## Introduction to case

### 1.1 PITCH-TALK – SUMMARY

The municipality of Celle Ligure decided to implement a GPP intervention by launching a tender for the installation of a photovoltaic solar PV power system in one of its buildings located in the Mezzalunga neighbourhood, in order to achieve energy savings and reduce CO2 emissions.

### 1.3 CASE CONTENT AND ISSUE

The Municipality of Celle Ligure expressed an interest in participating in the PRIMES project because of the technical assistance the project could offer them. PRIMES is a European project co-funded by the IEE programme of the European Union. Its main objectives are to promote Green Public Procurement and energy savings. Primes was implemented in Liguria by IRE and ANCI Liguria.

In particular, the Municipality wanted to implement a PV intervention, in order to be in line with the actions included in its SEAP aimed at achieving energy savings and reducing CO2 emissions.

The PRIMES task force helped the municipality in the elaboration of the tender and its documents. It supported the municipality in the selection of the tendering procedure to be followed and also in the delivery of the tender documents.

### 1.4 SOLUTIONS APPLIED

The Municipality of Celle Ligure decided to implement an energy efficiency intervention by installing a solar PV system in a public building located in the Mezzalunga neighbourhood used by local associations. A tender was launched with the following features:

- Subject matter: Implementation of a solar PV system in the building located in Celle Ligure's Mezzalunga neighbourhood.
- Value of the contract: 51.000€
- Type of contract: Supply
- Division in lots (Was any part tendered separately to e.g. include SMEs?) no

## Procurement objectives

The Municipality's main objective in implementing this GPP intervention is to achieve significant energy savings and reduce CO2 emissions thanks to the use of solar energy. The intervention will also reduce the relevant building's operations and maintenance costs.

## Procurement approach

The intervention included:

- Installation of 68 solar panels on the building's roof (for a total of 111,52 m<sup>2</sup>). The total power of the installed PV system is 19.38 kWp.
- Commitment on the part of the tender bid winner to carry out the interventions within 45 days from the start working date
- Advanced part payments will be made to the tender bid winner at different stages as the work progresses

Funding for the intervention will come partly from public contribution and partly from the Municipality.

## Criteria development

The reference criteria were defined by sharing similar experiences implemented at regional level.

## Results

The following results are expected once the GPP intervention, which is currently under way, will be completed by Celle Ligure:

- All the energy consumption is covered by the PV plant
- Significant fuel savings
- Significant emissions reduction
- Significant reduction in the school's O&M cost



- Overall money saving of 4.700 euro per year

	CO2e emissions	Energy consumption
<b>Low Carbon Solution</b>	<b>0 tCo2/year</b>	<b>0 Mwh/year</b>
<b>Last Tender/or „worst case“</b>	<b>3.8 tCo2/year</b>	<b>8 Mwh/year</b>
<b>Total savings</b>	<b>3.8t Co2/year</b>	<b>8 Mwh/year</b>

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## Lessons learned

Implementing green interventions such as the installation of a solar PV system in public building will act as example for the community at large, becoming an important driver of sustainable growth.

## Contact

Municipality of Celle Ligure

<http://www.comune.celle.sv.it/>

## About PRIMES



Across six countries in Europe; Denmark, Sweden, Latvia, Croatia, France and Italy, PRIMES project seeks to help municipalities overcome barriers in GPP processes, many of which lack capacity and knowledge.

PRIMES aims to develop basic skills and provide hands-on support for public purchasing organisations in order to overcome barriers and implement Green Public Purchasing. This will consequently result in energy savings and CO<sub>2</sub> reductions.– [www.primes-eu.net](http://www.primes-eu.net)

## About GPP 2020



GPP 2020 aims to mainstream low-carbon procurement across Europe in support of the EU's goals to achieve a 20% reduction in greenhouse gas emissions, a 20% increase in the share of renewable energy and a 20% increase in energy efficiency by 2020.

To this end, GPP 2020 will implement more than 100 low-carbon tenders, which will directly result in substantial CO<sub>2</sub> savings. Moreover, GPP 2020 is running a capacity building programme that includes trainings and exchange. – [www.gpp2020.eu](http://www.gpp2020.eu)



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