



Public lighting system renovation

Municipalities of Liguria

Joint procurement for the Public lighting renovation in 6 Municipalities



Standard product /
conventional tender

- Traditional single tenders

GPP (PRIMES) tender

- Joint procurement makes the tender more interesting
- Renovation of PL system

Results

CO2 savings 438t/y
Energy savings 906 MWh/y
Financial savings (if available)

Introduction to case

1.1 PITCH-TALK – SUMMARY

Measures aimed to the refurbishment of the Public Lighting system are a priority in almost all Municipalities of Liguria committed to the Covenant of Mayors and this represents, indeed, a key action in all the local SEAPs, despite its contribution target in terms of CO2 is not comparable to other actions. The impact is considerable in terms of raising awareness within the population about energy efficiency issues and potentials. In order to meet the needs of the Local Authorities it was decided to focus on this topic in one of the TF interventions.

1.3 CASE CONTENT AND ISSUE

Public lighting is a very important issue for municipalities in Liguria. Every municipality in Liguria has an action in its SEAP focused on public lighting and the weight of this sector for energy saving and CO2 reduction, economic reasons are also of importance.

The main barrier identified by the municipalities dealt with:

- The lack of technical expertise in the field of sustainable energy planning in general, especially in the case of the small sized municipalities (most of the total 235 municipalities of Liguria Region)
- The obsolescence of the part of the grid owned by the Municipalities
- The lack of knowledge linked to the possibility to repurchase the part of the grid not owned by the municipalities
- The prohibition to make tenders by themselves because small municipalities have to proceed with the support of *a central purchasing body*

1.4 SOLUTIONS APPLIED

Bundling municipalities with the same needs in the field of public lighting was fundamental to achieve the goal. The presences of a big number of municipality make the tender more interesting and reduce the risk that nobody will participate in it.

Moreover, seen from a technical and legal point of view the support from the task force has been very helpful for the municipalities. They also had the opportunity to have very constructive dialogues with ESCOs or trade organizations in order to get a clear idea about what the market can offer in terms of technologies and services. For this reason the TF supported 6 Municipalities in Liguria to develop a Joint procurement for public lighting renovation.

This experience has been very important for This Municipalities because it is the first time that different Municipalities work together to develop a joint tender. The support of Primes TF has been foundational to provide the Municipalities involved the technical and legal support



needed. This tender represents a “good practice” to our region and it will be shared with other Municipalities that should join the tender in the future.

Contract tendered

- *Subject matter:* Public Lighting system renovation
- *Value of the contract:* about 1.000.000 €
- *Type of procedure:* Open
- *Type of contract:* Supply of LED lamps and other material and services
- *Nature of contract:* framework contract (10 years)
- *Division in lots:* yes. The tender is divided in 2 lots. The first one for the 6 Municipalities beneficiaries of primes. The lot 2 for the Municipalities that will join the tender in the future.



Procurement objectives

- Facilities, such as lamps, poles, technologies
- Ordinary maintenance of the plants
- Exceptional maintenance and adaptation to national standards
Modernization of the existing plants
- Organization and management
- Realization of a platform to register all the lamps in order to develop a remote management of the system
Registration of all the lamps that composed the Public Lighting System

Procurement approach

- Independence of energy supplies in order to:
 - Facilitate the access of micro, small and medium size enterprises;
 - Enable Public bodies to monitor the effects of the contract through the bills: energy consumption would decrease as a result of energy efficiency investments;
- Higher risk for the contracting firms to stimulate them to efficiency
- Focus attention on the technical and innovative skills giving flexibility on the information systems, in order to facilitate the participation of local businesses.

- Remuneration system based on feed: Service charges, defined on the basis of type and number of plants served. It includes all the management and routine maintenance.
- Bonus, defined as the part of the savings that the successful supplier will retain for himself as a result of the investments made extra fees on the basis of an optional ceiling, which the Public Authority can use for non-routine maintenance or additional investments not planned in the offer. The quantification of the work will be based on the discounts offered in the tender.

Criteria development

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The reference criteria were defined starting from a tender already existing at a national level and thanks to the sharing of similar experiences implemented by neighbouring municipalities.

Results

The following results are related to JPP intervention:

- Electricity consumptions reduction and related economical saving
- All the lamps will be renovated.
- Cutting out light pollution
- Maintenance interventions and reduction in costs
- Reduction of inefficiencies generated by lamps not in working order

	CO2e emissions	Energy consumption
Low Carbon Solution	428 tCo2/year	886 Mwh/year
Last Tender/or „worst case“	866 tCo2/year	1792 Mwh/year
Total savings	438 tCo2/year	906 Mwh/year

Lessons learned

The exchange of experiences among municipalities is useful to identify common needs and shared solutions.

Contact

Ire Liguria Spa

www.ireliguria.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 CO₂ reductions.– 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 CO₂ savings. Moreover, GPP 2020 is running a capacity building programme that includes trainings and exchange.

– www.gpp2020.eu



Co-funded by the Intelligent Energy Europe
Programme of the European Union

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