

GPP
2020

procurement
for a low-carbon
economy



GPP 2020 – procurement for a low-carbon economy

Promoting green public procurement (GPP) in support of the 2020 goals

Riga 21st May 2015



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

GPP 2020 aims to mainstream low-carbon public procurement across Europe in support of the European Commission'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.



Objectives and main steps

GPP 2020 will:

- build capacity amongst public authorities for the implementation of GPP for energy related products, services and works procurement
- build capacity amongst procurement training providers, to enable the integration of GPP into regular procurement training programmes
- achieve CO₂ reductions through supporting the implementation of GPP tenders
- promote knowledge transfer of GPP approaches, and innovative technologies and services between purchasing bodies and GPP support bodies across Europe
- enhance permanent GPP support structures in eight European countries



Expected impacts

GPP 2020 will significantly increase the implementation of GPP within the target countries both in the short and long terms, through a series of capacity building and major tendering actions.

- >110 GPP tenders for energy related products and services carried out, leading to estimated GHG emissions of several 100,000 t CO_{2e} during the project.
- 13 train the trainer seminars, resulting in 130 participants able to provide GPP training for procurers.
- 36 training seminars for procurers, resulting in 540 participants better able to implement GPP within their own procurement actions.
- A series of events and conferences, both nationally and internationally.
- Permanent GPP support functions to assist public authorities in implementation during and after the project.

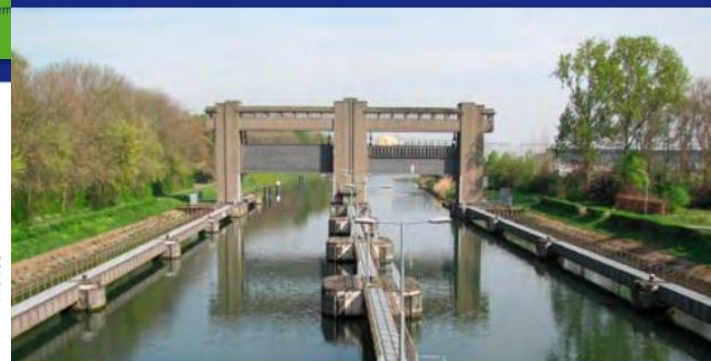




Sustainable Reconstruction of the Guard Lock near Limmel

Rijkswaterstaat, The Netherlands

- Remarkable savings equivalent to the average annual CO₂e emissions of about 750 European households
- The procurement approach taken fostered the uptake of innovative materials and working methods



Standard tender

- 12,662 t CO₂e emission
- 3,609 toe energy consumption

GPP 2020 tender

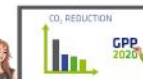
- New procurement methodology and design optimization
- 3,082 t CO₂e emission
- 2,303 toe energy consumption

Results

- 4,580 t CO₂e savings
- 1,305 toe energy savings

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Joint Procurement of resource-efficient copy management solutions

Consip SpA, Italy

- Compliance with the last version of Energy Star and applicable standards
- Advanced GPP criteria that include training courses, compliance and resource efficiency criteria
- Showing the case that mainstreaming low-carbon procurement can lead to significant CO₂e savings



Conventional solution as a benchmark

- Printers already installed
- 24,036 t CO₂e per lifetime
- 37,482,675 kWh consumption per lifetime

GPP 2020 tender

- New technology
- 1,951 t CO₂e emissions per lifetime
- 3,042,782 kWh consumption per lifetime (262 TOE)

Results

- 22,085 t CO₂e savings
- 34,440,000 kWh energy savings

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Supply of electricity efficiency cogeneration

Department of Economic Affairs, Government of Catalonia

- CO₂e savings equivalent to the annual emissions of about 100,000 cars were achieved (66,701.1 t CO₂e in total)
- The percentage of green electricity used increased from 10% to 30%
- The guaranteed capacity of green power increased from 100 MW to 150 MW



Previous tender

- 15% of electricity supply from 'green' sources
- 75,818.5 t annual CO₂e emissions

GPP 2020 Tender

- 30% of electricity supply from 'green' sources
- 59,143.2 t annual CO₂e emissions

Image source: Consip SpA

GPP 2020 savings equivalent to the annual CO_{2e} consumption of over 20,000 European households (as of May 2015)

GPP 2020 has saved

15,517

toe of energy

145,712

t of CO₂ eq

=



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>20,000 EU households



Partner and contacts

Germany: Federal Procurement Agency of the Ministry of Interior, ICLEI European Secretariat / Austria: Federal Procurement Agency (BBG), IFZ / Slovenia: Umanotera, Ministry of Finance / The Netherlands: RVO, RWS / Croatia: UNDP / Portugal: OesteCIM, LNEG / Italy: Ecosistemi, Province of Rome, Consip / Catalunya: Ecoinstitut, ICAEN, Generalitat Catalunya

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