european energy service initiative 2020

Interview with persons in the EPC-market

Country

General information

Item	
Organisation name	Municipality of Graz
Organisation type	Municipality
Date of interview	Dec 2013
Name of interviewed person	*W. Zipper*
Function of interviewed person	Responsible for street light in Graz

Potential project	
Facility (project title)	Greenlight 1 Graz
City, Region (site)	Graz
Type of customer	• Municipality
Sector	• Other public organisations (culture, sport, etc.): streetlighting
Goals of the project *(e.g. comprehensive reconstruction of the energy system during six months by implementing measures saving heat, electricity and water)*	• Reduction of energy costs • Improvement of illumination level
Number of buildings of each type *(e.g. 25 schools, 11 healthcare facilities, etc.)*	• 712 lamps of street lighting • ...

Interview

Question	Answer
What was the impulse to start thinking about realising an EPC project?	Kick-off for energyefficiency in streetlighting
What would be the main reasons for your organisation	• Energy cost saving • The possibility for pre-financing energy saving measures of

for choosing an EPC project? *(remove not-valid answers and put remaining answers in order of decreasing importance)*	buildings • CO_2 reduction/environmental advantages
What are in your opinion the main barriers the realisation of an EPC-project in your organisation? *(remove not-valid answers and put remaining answers in order of decreasing importance)*	• EPC is an unknown and unproven procedure • Cost of the project preparation • Costs of the measurement and verification •
What is the expected size of the first EPC project in your organisation?	Number of selected buildings in the pool: 0 buildings Energy cost of the pool: 123.000 euro/year (gross) Potential investment volume: 435.000 euro Potential savings: 58 %
Other comments	

Other information on the project

To fill in only available information

Timing of the project			From	Till
Project identification			2003	2003
Procurement procedure			2004	2004
Installation of energy efficiency measures			2005	2005
Contract duration (guarantee duration)			2005	2020
Period of repayment *(if the same, do not fill in)*				
Contract duration [years]			15	
Project specifications				
Measures *(short description – max. 5 points)*			• Replacement of old lamps through sodium vapour lamps • Voltage depression	
Total investment [EUR]			€435.000	
Co-financing of customer			-	
Initial energy consumption before the project (baseline)	Heat	[kWh/GJ]		
	Cooling	[kWh/GJ]		
	Natural gas	[kWh]		
	Electricity	[kWh]	911.000	
	Hot water	[kWh/GJ]		
	Water	[m3]		
Total energy consumption costs before the project		[EUR]	123.000 (gross)	
Savings			Guaranteed	Achieved
Total savings		[%]	58%	58%
Heat		[kWh/GJ]		
Cooling		[kWh/GJ]		
Natural gas		[kWh]		
Electricity		[kWh]	533.000	533.000
Hot water		[kWh/GJ]		
Water		[m3]		
Decrease of other operational costs *(wages, maintenance, etc.)*		[EUR]		
Total guaranteed savings		[EUR]	€72.000	€72.000
If there are other important aspects of the project, innovations and client´s advantages, not mentioned				

above, please, describe here *(e.g. other type of cost saved, different form of financing such as leasing, exceptionality of the project, direct link to another energy efficiency project such as building insulation)*	