

Summary Results/Indicators of Investment Plans carried out for the Municipality of *Le Muretain Agglo* in France.

Pictures of concerned buildings









General description of the pilot and its location

The Investment Plan involve 11 public buildings belonging to 1 municipality, namely *Le Muretain Agglo* located in the province of Haute-Garonne in the inner centre of the Occitanie Region in France. There are a nautic center, a swimming pool, administrative and technical buildings, schools, and a central kitchen.

The overall heated surface of the pool of the buildings is nearly 17 995 sqm, with a baseline consumption of 4,3 GWh-final energy of natural gas. Only three of 11 buildings don't have a gas heating system. The average consumption (electricity and gas) is about 376 kWh-ef/sqm (process included), but the nautic center with natural gas has a higher ratio: it is more intensive with 4,3 GWh-ef and 1 114 kWh-ef/sqm.

For each building a detailed audit has been performed by the municipality.

Responsible project partner details

Organisation name	AREC Occitanie



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• Summary/Results Indicators

No. of Municipalities/Public Bodies	1	
involved	Le Muretain Agglo	
No. of buildings (bundled EPC)	11	
Total Investments needed (€)	Approximately 2 M€, VAT excluded Investment included in the O&M plan during 10 years	
Loan by the Public Body? If yes, amount (€)?	Not defined yet	
Available public funding/incentives considered (€)	Not defined yet	
VAT (%)	-	
Energy vector included? If yes,	Yes.	
related value (i.e. €/standard cube	- 0.196 €/kWh for electricity, VAT excluded	
metre of methane gas and or	**	
€/kWhe)		
O&M included? If yes, related value	Yes	
(€)	210 000 €/year, VAT excluded	
Typology of ECM- Energy	A set of measures for each building such as:	
Conservation Measures (description)	 change of heating system (geothermal heating for the nautic center,) 	
	insulation (roof, envelopes,)	
	 energy management system (couting plan,) 	

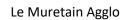


	 change of the water treatment system for the swimming pool upgrade to regulatory compliance The above list is only indicative. In any case it is the ESCO that is asked to provide its own solutions during the bid delivery. 	
Energy saving (%)	The set of measures apply in each building would allow energy saving. The objective is to reach the following energy consumption reduction: • -60% in 2050 for buildings subject to the national reglementary framework (DEET), • -30% for other buildinds.	
kWh ANTE and kWh POST	• ANTE:	
implementation ECMs (not standard	 2,4 GWh-ef for electricity 	
but resulting from the energy	 4,3 kWh-ef for natural gas 	
audits)	• POST:	
	 1,2 GWh-ef for electricity 	
	1,7 GWh-ef for natural gas	
Avoided CO2 emissions (kgCO2/y)	Not defined yet	

• Forecasted Investment Plan

	Energy refurbishment operations (VAT 5,5%)	1 404 595 €	69%
ent	Other operations (VAT 20%)	632 768 €	31%
nvestment	Studies and assistance costs (VAT 20%)	0€	0%
nve	TOTAL €HT	2 037 363 €	100%
_	TOTAL €TTC	2 241 169 €	
l Jur	TOTAL €TTC FCTVA - 16,404%	2 241 169 € 367 641 €	16%
Ressourc l			16% 27%

AREC Occitanie





Total grants & assimilated	978 850 €	44%
Own ressources	1 262 319 €	56%
Remaining amount (financement with long term loan/intracting)	0	0%