

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
-------------------	----------------

Name of the STEPPING PLUS referent	Claire Ruscassie Alexandre Garcia-Cousteau
e-mail	claire.ruscassie@arec-occitanie.fr alexandre.garcia-cousteau@arec-occitanie.fr

• **Summary/Results Indicators**

No. of Municipalities/Public Bodies involved	1 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, related value (i.e. €/standard cube metre of methane gas and or €/kWh)	Yes. - 0.196 €/kWh for electricity, VAT excluded - 0.83 €/kWh-PCS for natural gas, VAT excluded
O&M included? If yes, related value (€)	Yes 210 000 €/year, VAT excluded
Typology of ECM- Energy Conservation Measures (description)	A set of measures for each building such as: <ul style="list-style-type: none"> • change of heating system (geothermal heating for the nautic center, ...) • insulation (roof, envelopes, ...) • energy management system (couting plan, ...)

	<ul style="list-style-type: none"> change of the water treatment system for the swimming pool upgrade to regulatory compliance <p>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.</p>
Energy saving (%)	<p>The set of measures apply in each building would allow energy saving. The objective is to reach the following energy consumption reduction:</p> <ul style="list-style-type: none"> -60% in 2050 for buildings subject to the national reglementary framework (DEET), -30% for other buildinds.
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the energy audits)	<ul style="list-style-type: none"> ANTE: <ul style="list-style-type: none"> 2,4 GWh-ef for electricity 4,3 kWh-ef for natural gas POST : <ul style="list-style-type: none"> 1,2 GWh-ef for electricity 1,7 GWh-ef for natural gas
Avoided CO2 emissions (kgCO2/y)	Not defined yet

• Forecasted Investment Plan

Investment	Energy refurbishment operations (VAT 5,5%)	1 404 595 €	69%
	Other operations (VAT 20%)	632 768 €	31%
	Studies and assistance costs (VAT 20%)	0 €	0%
	TOTAL €HT	2 037 363 €	100%
	TOTAL €TTC	2 241 169 €	
Ressources	FCTVA - 16,404%	367 641 €	16%
	Grant estimated	611 209 €	27%
	Others	0 €	0%

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