

WP3 – Summary Results/Indicators of Investment Plans carried out by AURA-EE



Elementary school, Domarin



School “Louis Pasteur”, Villefontaine



Pre-school – Ruy Montceau

- **General description of the pilot and its location**

CAP1 is a local authority of 105 000 inhabitants grouping 22 municipalities, located 40 km from Lyon. It has been working on sustainable building policies for a long time. It has been in the 70’s a “new town”, with lots of public buildings built in the 70’s and needing refurbishment works. After studying the data of dozens of buildings (by the shared energy advisory service), a first analysis led to 9 buildings left. Finally, after a more precise analysis, it has been chosen to keep 5 schools, owned by 5 different municipalities because refurbishment of schools is a major stake for the territory, and to have the same kind of buildings would be helpful for companies that will tender.

Detailed audits has been made on the 5 schools and AURA-EE produced the financial analysis. The results have been presented to municipalities to decide the scenario to implement and the technical tender documents has been prepared. Finally, none of the municipalities wanted to lead the common tender and the decision has been taken to use the existing local public society (SPL SARA) as a public ESCO for building renovation. It will launch the 5 tenders separately but during the same period. The lasts months of the project will be dedicated to define the contracting between municipalities and SPL SARA. One of the biggest advantage is that this SPL will be able to renovate, in the future, all buildings of 25 municipalities.



- **Responsible project partner details**

Organisation name	Auvergne Rhône Alpes Energie Environnement
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- **Summary/Results Indicators**

No. of Municipalities/Public Bodies involved	5
No. of buildings (bundled EPC)	5
Degree Days	2 520 (base : 18 ° C)
Heated volume (m3)	28 000
Usable area (m2)	9 400
Total Investments needed (€)	2 261 k€
Loan by the Public Body? If yes, amount (€)?	To be determined
Available public funding/incentives considered (€)	Up to 30 %
VAT (%)	20 %
Energy vector included? If yes, related value (i.e. €/standard cube metre of methane gas and or €/kWhe)	No
O&M included? If yes, related value (€)	15 k€ / year (excluding bigger refurbishment)
Typology of ECM- Energy Conservation Measures (description)	Wood pellet boiler, air handling units, rooftops, heat distribution, double-flow ventilation, radiators, windows, roof, walls and floor insulation
Energy saving (%)	51 %
kWh ANTE and kWh POST implementation ECMs (not standard but resulting from the energy audits)	Ante : 1 503 MWh / year Post : 733 MWh / year
Avoided CO2 emissions (kgCO2/y)	163 000 kgCO2/year

