



Local authority

LA

- ROLE PURPOSE (CORE BUSINESS) :** To be re-elected at the end of a term of office
- ORGANIZATION :** The Local Authority includes the following departments (corresponding to roles in the game):
- Energy and environment,
 - Housing,
 - Economic activities (industry and retail),
 - Finance
- KNOW-HOW AND EXPERTISE :** Administrative but no technical know-how and expertise
- POSSIBLE ACTIONS (PROJECTS) :**
- Direct unilateral actions to improve energy efficiency on the demand side: EDUC, PT-ELEC, PT-THERM, RENOV, TRPB, UHN, CYCLE, RENOV.
 - Encouraging partnerships between other local actors on the supply side.
 - Job creation improve the local tax base and allow the LA to invest in energy autonomy without having to increase the rates.
 - New dwellings are prerequisites for implementing new activities. They also increase the tax base.
- RESOURCES :** Possibility to raise or lower the local tax rate (but with direct effect on voters' approval rate); Planning authorizations; Subsidies from the Government; Land banking.
- CONSTRAINTS :** Limited financial means; Tax raise lowers the voters' approval rate.
- INITIAL FINANCIAL CAPACITY (K€) :** 1 500
- OPERATING EXPENSES (K€) :** 26 000

RECOMMENDED STRATEGY

The Local Authority has been elected on the promise to increase energy autonomy in its area.

To this end, it must:

- Develop local renewable energy production;
- Encourage energy saving in order to lessen dependence on fossil and nuclear fuels.

The Local Authority may invest directly in necessary infrastructure and energy-saving measures. It may also grant subsidies to economic actors as incentive for them to invest in renewable energy production and/or job creation.

But the Local Authority's financial capacity is not big enough to fulfil such aims on its own.

It must at the same time:

- Increase its tax base by creating new jobs;
- Encourage new dwellings construction for the workforce, the condition for economic activities implementation;
- Encourage other local actors to cooperate and build renewable energy production and storage systems.

INTERACTIONS WITH OTHER ACTORS

PC	Planning authorization (incentive to central location); land banking; job creation
NGO	Put pressure on other actors; funding
NAT-EN	Negotiation
LOC-EN	Direct control
FARM	Land; incentive to renewable energy and biomass production (ME-THANE-F, PV-FB, R-FIELD, ANIMAL), and energy saving (ZTF)
DEV	Incentive to housing building

POSSIBLE ACTIONS FOR LA

EDUCATIONAL SCHEME FOR DWELLERS	
 EDUC	<i>Dwellers training on how to use their high energy efficiency dwellings in order to save energy and money</i> TYPE: Intermittent energy production (Pi) OTHER ENTREPRENEUR(S) : DEV NGO
INVESTMENT COST (K€) : 100 GROSS ANNUAL INCOME : 0 ENERGY SAVED (MWh / year) : 1 200 PREREQUISITE FACILITIES : none LOCATION : Existing built-up neighbourhoods JOBS CREATED LOCALLY : 1	

FISH SLUICE	
 FISH	<i>Sluice enabling upstream fish migration</i> TYPE: Goes with hydrokinetic turbine in river (HYDRO), continuous energy production. OTHER ENTREPRENEUR(S) : NGO
INVESTMENT COST (K€) : 300 GROSS ANNUAL INCOME : -1% (-15 K€ per 5-year term) NO ENERGY PRODUCED (MWh / year) : PREREQUISITE FACILITIES : HYDRO LOCATION : In the river (no plot required) JOBS CREATED LOCALLY : 0	

ELECTRIC PUBLIC TRANSPORTATION	
 PT-ELEC	<i>Link between town centre and peripheral villages</i> TYPE: Save energy (Sa) OTHER ENTREPRENEUR(S) : PC
INVESTMENT COST (K€) : 4 000 GROSS ANNUAL INCOME : -4% (-800 K€ per 5-year term) ENERGY SAVED (MWh / year) : 2 800 PREREQUISITE FACILITIES : none LOCATION : Linear infrastructure (no particular plot required) JOBS CREATED LOCALLY : 8	

THERMAL PUBLIC TRANSPORTATION	
 PT-THERM	<i>Link between town centre and peripheral villages</i> TYPE: Save energy (Sa) OTHER ENTREPRENEUR(S) : PC
INVESTMENT COST (K€) : 2 400 GROSS ANNUAL INCOME : -4% (-480 K€ per 5-year term) ENERGY SAVED (MWh / year) : 1 000 PREREQUISITE FACILITIES : none LOCATION : linear infrastructure JOBS CREATED LOCALLY : 8	

URBAN HEATING NETWORK	
 UHN	<i>Heating network fed by heat originating from industry (H-IND)</i> TYPE: Energy saving (Sa) OTHER ENTREPRENEUR(S) : LOC-EN
INVESTMENT COST (K€) : 1 100 GROSS ANNUAL INCOME : 5% (-275 K€ per 5-year term) ENERGY SAVED (MWh / year) : 1 200 PREREQUISITE FACILITIES : H-IND LOCATION : Linear infrastructure (no particular plot required) JOBS CREATED LOCALLY : 6	

CYCLING PATH	
 CYCLE	<i>Cycling path linking villages to the town centre</i> TYPE: Save energy (Sa) OTHER ENTREPRENEUR(S) : none
INVESTMENT COST (K€) : 500 GROSS ANNUAL INCOME : -1% (-25 K€ per 5-year term) ENERGY SAVED (MWh / year) : 600 PREREQUISITE FACILITIES : none LOCATION : Linear infrastructure (no particular plot required) JOBS CREATED LOCALLY : 1	

HOUSING RENOVATION SCHEME	
 RENOV	<i>Subsidies to households for energy efficiency works in their dwellings</i> TYPE: Save energy (Sa) OTHER ENTREPRENEUR(S) : none
INVESTMENT COST (K€) : 2 000 GROSS ANNUAL INCOME : 0 (but savings for dwellers) ENERGY SAVED (MWh / year) : 3 600 PREREQUISITE FACILITIES : none LOCATION : Applies to existing buildings (no particular plot required) JOBS CREATED LOCALLY : 30	

THERMAL RENOVATION OF PUBLIC BUILDINGS	
 TRPB	<i>Increasing energy efficiency of public facilities such as schools, theatres, municipal rooms, administrative premises, sport and leisure centres, community centres...</i> TYPE: Save energy (Sa) OTHER ENTREPRENEUR(S) : none
INVESTMENT COST (K€) : 9 000 GROSS ANNUAL INCOME : 3% (1 350 K€ per 5-year term) ENERGY SAVED (MWh / year) : 800 PREREQUISITE FACILITIES : none LOCATION : Existing public buildings (no particular plot required) JOBS CREATED LOCALLY : 40	