



Thematic Seminar for Exchange of Experiences Intracting for energy savings Auvergne-Rhône-Alpes, France

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Background description

The city of Albertville

- Alpine environment
- 20,000 inhabitants
- 90 municipal buildings (13) schools, 1 central kitchen, several gymnasiums)
- 5,900 m² heated
- 3,950 public lighting points
- district heating network since 2019 (90 % local wood)



The budget of the city in a few figures (2023)

- 6 million euros of general expenses, including :
 - 1,3 million euros due to energetical costs (22%);
- 6,5 million euros of equipment budget capacity per year
- A debt reduction target





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Background description

Several actions are already implemented, but there is nothing **effective** to drastically reduce the important energy consumption, due to :

- A lack of financial means to heavily invest in the renovation of the whole building stock
- The limit of the debt capacity



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Implementation of the good practice

Choice of the intracting solution in 2019

- To act quickly, by our own means
- To reduce immediately energy bills
- To initiate a virtuous circle





Implementation of the good practice Phase 1 – testing (2020-2021)

First step : assessment of the previous energy savings (2018) to get a legitimate basis for the fund

Energy savings in 2018 * Energy prices in 2018 = 113,610 €

→ Creation of a 113k euros fund in the investment budget. 113,610 euros represent 8% of the energy operating budget



EUR 113,610

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Implementation of the good practice Phase 1 – testing (2020-2021)

Eligibility rules of the financed measures

Efficiency and speed of action (i.e. primacy to ready to go and sobriety actions)

- Save on consumption / ecological impact
- Reduce the current expenses / financial impact
- Freeing up the investment ressources / **multiplier effect**

Guiding principle : flexibility to encourage action and do not "greenwash"

- The action must not already be included in the multiyear investment plan / tangible development of the energy transition effort
- For any kind of expense (investment or operating expense)
- All energies and water
- It remains one of the many actions in the energy transition policy



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SLIDE 6

Implementation of the good practice Phase 1 – testing (2020-2021)

Expertise rules

- Technical services : Proposal of actions and calculation of gains
- Energy department :
 - Verification of eligibility rules, calculation of gains
 - Priorization / planning of actions in relation to annual resources of the intracting fund
 - Technical monitoring of the implementation of the actions
- Finance department :
 - Verification of the financial eligibility
 - Allocation of funds to the managers and financial monitoring of the fund
- Elected representants :
 - Final arbitration of the financed actions
 - And of the proportion of funds allocated to them

SLIDE 7



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SLIDE 8

Implementation of the good practice Phase 1 – testing (2020-2021)

Contract : symbolic signature of the first contracts!

- Setting the scene to show this is serious business!
- First symbolic meeting with the mayor : proof of political support and goal.
- Presence of many services (GD TS finances) : importance of a holistic approoach
- Generate interest among all key technical managers : signing a contract enables to get money!



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Implementation of the good practice

Examples of actions implemented (1/2)

2024-014 end of replacement of lignting bulbs (1 180 bulbs in 2024)



Evaluation of energy saving :

- - 70,000 Kwh / year of electricity
- 57 % of energy consumption saved
- 20,000 EUR / year

Coverage of the financing needed by the intracting fund : EUR 194,640 = 100 % need = cost 10 years = return on investment for 20 years lasting equipments

This equipment program was accelerated through the intracting fund – **5 years instead of 10 to 15 previously planned.** Easy measure for the 1st year of implementation (existing program)







Implementation of the good practice **Examples of actions implemented (2/2)**

2024-005 à 010 relamping of all schools



Evaluation of induced savings :

- - 66,340 Kwh / an electricity
- - 9,833 EUR / year

Coverage of the financing need by the intracting fund : EUR 73 558 = 100 % need = cost 6 to 8 years = return on investment for 10 years lasting equipements

This program was achieved in 1 year thanks to the intracting fund even though it had not budgeted before.







Evidences of success Results achieved







Energy budget : 1.307 M€ in 2019 1.328 M€ in 2023

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Evidences of success **Results achieved**





Evidences of success Results achieved



A crucial initial « ignition »

Annual incomes



Financial solutions :

- a new national electricity tax in 2022
- introduction of an optional amortizing

Political option : ressources must be linked to energy in order to draw up a coherent approach to the sobriety policy;

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SLIDE 14

A multi-dimensionnal tool

Policy and organization

- It implements a virtuous circle for sobriety and energy transition
- It strengthens the partnership between the technical services and the finance department
- Services show autonomy and creativity

 with a better recognition of their
 expertises and more legitimacy
- The results of the intracting scheme protect the durability of the fund





Finance

- There is a multiplier effect of the financed actions
- It increases the financial independence / savings
- Boost the tool to get a bigger impact at the beginning
- Powerfull return on investment !







A multi-dimensionnal tool



Fonds intracting géré par le service des finances Economies d'énergie induites

Energy efficiency and environmental protection

- Act quickly and concretely to reduce NRJ consumption and pollution, even with small steps
- Benefit in return from a financial savings for even more and greater actions

Clear and concerted rules to be efficient

- Simple internal tool if continuously concerted
- No regulation Wow effect on the organization !
- Choice of a continuous improvement approach







The importance of the origin of the fund

The rationale for the intracting fund has been facilitated by :

- proving the **importance of the energy expenditures and their always higher amounts**
- using the fund for saving measures to reduce the operating expenses,
- using a continuous improvement process
- The **biggest obstacles to overcome** were :
- the need to finance other heavy investments, already planned, on our investment budget
- our concern to limit our debt, which induces a difficulty to introduce new expenses Asset at the beginning = **limited amount** of the fund

Next challenge = to **use the fund for larger operations without diverting it** from its purpose.







The importance of a flexible approach

Whenever possible, we choose the most advantageous calculation formula to :

- increase the fund's amount to get a bigger and faster impact on our consumption;
- finance as many measures as possible, even if it could be difficult to establish strictly the saving results / some approximative and comparative approaches.

We paid attention to the simplicity of the device, to be as convincing as possible :

- Close link between the resources and the financed measures;
- A simple calulation formula for energy savings assessments.







What will happen next?

A long-lasting energy fund

Incredible results show the need to keep this fund alive in the city of Albertville.

New intracting schemes in France and over Europe!

The city of Albertville contributed to the training of many civil servants all over France to implement intracting funds in other places.

A new intracting scheme for carbon savings?

The city of Albertville contributed to the training of many civil servants all over France to implement intracting funds in other places.

A new intracting fund for carbon savings A collaboration part of NACAO project

First step : to assess the economic value of the forest

- The goal is to promote forest as a value to protect and a place where to invest money.
- This first study will be soon launched as part of a cooperation between many local stakeholders.

The ultimate goal : to reduce carbon emissions, to store even more CO2 and to increase benefits for biodiversity!

- The energy intracting saved 74 tCO2e in 5 years, an intracting dedicated to carbon could have impressive results.
- Keeping a global approach is part of the guiding rules of the intracting: biodiversity and risk assessments are part of the new targets.









Time for questions