



Reading note — the energy line, volume effect and price effect separated

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Document issued on 24/09/2026

1,184 energy invoices for financial years N-2 to N, 44 municipal buildings · fictional document

Fictional document — demonstration example

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Fictional document — buildings, invoices and amounts invented for the demonstration. **This note exists for one precise reason: presented without it, the energy rise calls into question teams that had nothing to do with it. It is ready to review; the public official is the one who approves it before it enters the committee pack.**

The rise, and its breakdown across the three financial years

Energy line	N-2	N-1	N	Movement N-2 → N	Change
Total across the 44 municipal buildings	€1.86m	€2.41m	€3.10m	+€1.24m	+66.7%
of which PRICE effect	—	—	—	+€918,000	74.0% of the rise

Energy line	N-2	N-1	N	Movement N-2 → N	Change
of which VOLUME effect	—	—	—	+€322,000	26.0% of the rise

The split is not an estimate: it is read off the invoices. The 1,184 energy invoices of the three financial years each carry the kilowatt-hours consumed and the unit price applied — the volume effect is computed at constant N-2 prices, the price effect is the balance. **The method is written at the head of the note, so an elected member can argue with it as a method, and not as an intention.**

The three facilities carrying 72.3% of the rise

Facility	Movement N-2 → N	of which price effect	of which volume effect	Change in volume	Reading
Peupliers sports hall	+€412,000	+€268,000	+€144,000	+19.4%	Covered hall commissioned in September N-2 — 4 months in N-2, 12 months thereafter
Town- centre school	+€286,000	+€312,000	−€26,000	−4.1%	Consumption FELL; the bill rises through tariffs alone
Town hall	+€198,000	+€174,000	+€24,000	+2.8%	Volume near stable
Subtotal, 3 facilities	+€896,000	+€754,000	+€142,000	—	72.3% of the total rise

Facility	Movement N-2 → N	of which price effect	of which volume effect	Change in volume	Reading
The other 41 buildings	+€344,000	+€164,000	+€180,000	—	The only group where VOLUME outweighs price
Total	+€1,240,000	+€918,000	+€322,000	—	100%

The fact that turns the reading around, and that will spare you an awkward moment in committee: the town-centre school cut its consumption by 4.1% — €26,000 less in volume — and still sees its bill rise by €286,000, because the price effect there is €312,000. Presenting its rise without that line means calling into question a team that did exactly what was asked of it. That is what this note is for, and it is also what a raw table will never say on its own.

What the breakdown opens up as a decision — and what it closes

Finding	What it allows you to decide	What it makes pointless
74.0% of the rise comes from tariffs	Deciding on energy purchasing and on the contract renewal calendar	A general saving instruction: it would bear on 26% of the rise
The sports hall rises through a new facility	Bringing the covered hall into the baseline budget rather than treating it as overspend	Hunting for a cause on a line whose cause is dated
The town-centre school is down in volume	Taking what was done there and applying it to the other 41 buildings	Calling the team into question

Finding	What it allows you to decide	What it makes pointless
The other 41 buildings: €180,000 of volume against €164,000 of price	This is the only group where an energy-saving measure has a measurable return	—

The next step proposed, and it is already framed: run the same price/volume split across the other 41 buildings, for the June committee. The computation is the same, the invoices are already read, and **the result will say which of the 41 deserves action and which would gain nothing from it. Costing before acting takes three hours; acting without costing takes a works season.**

Reading note reviewed and approved by the competent public official, on: _____

Breakdown of the other 41 buildings — committee chosen for its presentation: _____

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