



PRACTICE 01 • CONSULTING

An exact bill first

Cossack Energy consulting: the energy bill broken down, an hourly baseline, and a calculation decisions can rest on.



The bill is built from parts with different rules

A consumer's bill is not one price. It holds the market price of a kilowatt-hour, the delivery tariff, the supplier's services and the consequences of the consumer's own load profile. Each part is formed by its own rules and answers to different decisions.

We break the bill down to those parts and show what each of them costs in money per year. From there it is clear what can be influenced, and by what.

WHAT MAKES THE BILL

Four parts

- Market price of a kilowatt-hour
- Delivery tariff
- Supplier services
- Load profile

You can only influence what has been named separately.



First we take what needs no capital

CONTRACT

Supply terms

The price formula, the term and the imbalance liability in the current contract are reviewed first.

TIME

Load distribution

Moving controllable load into cheaper hours changes the bill with no equipment at all.

PROCUREMENT

Tender terms

Correctly written procurement terms deliver a lower price for the very same volume of energy.

These decisions take effect from the next billing period.



The baseline is fixed hour by hour — 8,760 hours

METHOD

Hourly profile

Consumption across all sites is combined into a single profile of 8,760 hours a year, and market prices, the delivery tariff and balancing are applied on top of it.

An annual average price does not show this: it averages out exactly what the economics depend on.

DATA STATUS

Every number has a source

We accept no default assumptions. Data that does not exist is marked as a gap rather than filled in with an average value.

Every deviation from the method is recorded in the report — the calculation can be checked in full.

The baseline is what every later decision is measured against.



The investment is counted from that base

The need

What the project has to solve: price, reliability, independence from outages.

Configuration

Technology and capacity follow the actual profile, not a catalogue.

Source of funds

Market payback, debt, a grant or soft financing — as the calculation shows.

Whether a project needs support is a result of the calculation, not an assumption going in.

For an industrial consumer the solution more often pays back on market terms. For a community, a grant and soft financing are a real instrument, and the same hourly calculation decides whether they are warranted.

Support is an instrument, not a condition of the project's existence.



Advice with nothing behind it

We are not tied to equipment suppliers and take no commission from them. What we deliver is a calculation the client can verify without us, and a decision the client makes alone.

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