

Berne office energy storage

A pilot project in Bern, Switzerland will aim to store waste heat from a waste incineration plant underground. This stored heat can then be used in extracted in the winter. The project aims to create an energy reserve of 12 to 15 GWh, enough to heat around 1200 to 1500 large apartments.

The ‘Geospeicher’ project is being developed by Bern-based energy supplier Energie Wasser Bern (ewb) and will be implemented at the Forsthaus energy center on the outskirts of Bern. Excess heat from the waste incineration facility, normally escaping unused through chimneys, will instead be stored 500 meters underground.

Qualitative results of the planned geo-storage system should be available by the end of 2023. If everything goes to plan, the geo-storage system can be integrated into the energy center by 2026 at the earliest. According to ewb, the system can reach 80% efficiency (which is considerably very high) after ten years of operation.

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