

# **Cape Communications Base Station Power Generation**





## Overview

---

Is Cape Station the most productive enhanced geothermal system in history?

The successful well test, announced today, demonstrates Fervo's utility-scale power generation capabilities and establishes Cape Station as the most productive enhanced geothermal system in history. Cape Station is slated to begin delivering 24/7 carbon-free electricity to the grid in 2026.

Is Cape Station Phase 1 ready for commercial operation?

With full funding in place, key permits secured, and construction well underway, Cape Station Phase I remains on track for its 2026 commercial operation date. Fervo's ability to deliver fully contracted, firm renewable power positions it as the key generation player in the evolving American energy landscape.

Where is Cape station located?

The Cape Station development located in Beaver County, UT includes Cape Station Phase I, which will deliver 100 megawatts (MW) of baseload clean power to the grid beginning in 2026, and Cape Station Phase II, which will bring an additional 400 MW online by 2028.

Will Cape station expand?

The full Cape Station development has received permitting approval to expand up to 2 GW. Fervo completed the successful close of three significant transactions to facilitate this growth.

When will Cape Station start delivering carbon-free electricity?

Cape Station is slated to begin delivering 24/7 carbon-free electricity to the grid in 2026. Four hundred megawatts of renewable power from Cape Station is fully contracted from investment grade buyers and will be online by 2028.

Why is fervo developing the Cape Station Wellfield ahead of schedule?



This record-breaking reservoir performance accompanies sustained drilling progress, allowing Fervo to develop the Cape Station wellfield ahead of schedule. Earlier this year, Fervo announced a 70% year-over-year reduction in drilling times between Cape Station and Project Red.



## Cape Communications Base Station Power Generation

---



### [Baker Hughes wins contract for trailblazing US geothermal project](#)

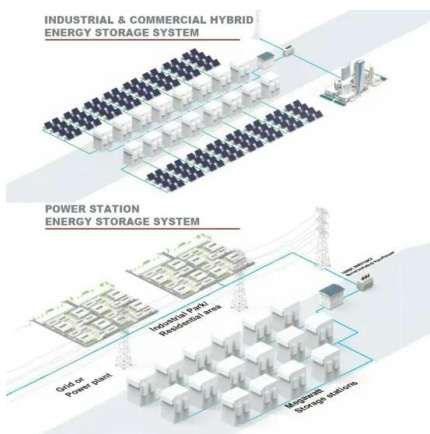
Baker Hughes has been awarded a key contract to provide surface power generation equipment for a groundbreaking geothermal development in the US operated by ...

[Email Contact](#)

### [Fervo Energy's Record-Breaking Production Results Showcase ...](#)

The successful well test, announced today, demonstrates Fervo's utility-scale power generation capabilities and establishes Cape Station as the most productive enhanced ...

[Email Contact](#)



### [PATRICK SFB/CAPE SFS/MACDILL USACE PROJECT ...](#)

The proposed facility is the main communications hub at Patrick Space Force Base and critical to space launch mission. The facility supports Air Force Technical Applications Center mission ...

[Email Contact](#)

### [Fervo Energy Secures \\$206 Million In New Financing ...](#)

The Cape Station development located in Beaver County, UT includes Cape Station Phase I, which will deliver 100 megawatts (MW) of ...

[Email Contact](#)



### [Baker Hughes Selected by Fervo Energy to Deliver Geothermal...](#)

Baker Hughes to design and deliver key equipment for geothermal Organic Rankine Cycle (ORC) power plants at Fervo's Cape Station Phase II project in Utah Award includes ...

[Email Contact](#)



### [Fervo selects Baker Hughes to deliver geothermal equipment for...](#)

The next-gen geothermal wizards at Fervo Energy Company have selected energy technology company Baker Hughes to design and deliver equipment for five Organic Rankine ...

[Email Contact](#)



### [ESKOM'S HYDROELECTRIC POWER STATIONS GARIEP...](#)

Resource use urn influences the availability of water to the power plant. Eskom and DWA have developed a sophisticated operating model, for both power generation and water s generation ...

[Email Contact](#)



### [Eskom Generation Div Map REV8 1 , PDF , Watt](#)

1) The document provides information on Eskom's power stations in South Africa including coal, nuclear, hydroelectric, gas, and renewable energy sources. 2) ...

[Email Contact](#)



### [Cape Byron Power o Biomass New South Wales](#)

Cape Byron Power, operated by Cape Byron Management, consists of two 30 MW biomass fired power stations, on the NSW north coast. Together, these ...

[Email Contact](#)

### [Communication Base Station Energy Solutions](#)

The Importance of Energy Storage Systems for Communication Base Station With the expansion of global communication networks, especially the advancement of 4G and 5G, remote ...

[Email Contact](#)



### [Telecom Base Station PV Power Generation System Solution](#)

The communication base station installs solar panels outdoors, and adds MPPT solar controllers and other equipment in the computer room. The power generated by solar energy is used by ...

[Email Contact](#)





## [Solar Power Supply Systems for Communication Base Stations: ...](#)

With continuous technological advancements and further cost reductions, solar power supply systems for communication base stations will become one of the mainstream power supply ...

[Email Contact](#)



## [Fervo Energy Secures \\$206 Million In New Financing To Accelerate Cape](#)

The Cape Station development located in Beaver County, UT includes Cape Station Phase I, which will deliver 100 megawatts (MW) of baseload clean power to the grid ...

[Email Contact](#)

## [Fervo selects Baker Hughes to deliver geothermal equipment for Cape](#)

The next-gen geothermal wizards at Fervo Energy Company have selected energy technology company Baker Hughes to design and deliver equipment for five Organic Rankine ...

[Email Contact](#)



## [What is a base station energy storage power station](#)

A base station energy storage power station refers to a facility designed to store energy generated from various renewable sources and ...

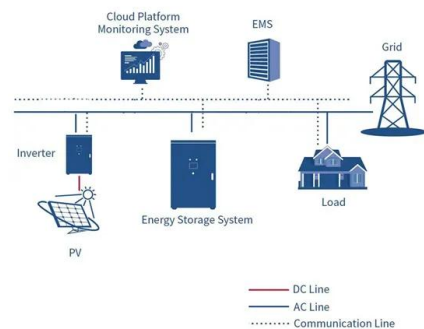
[Email Contact](#)



## [Latest Insights on Fervo Energy's 300 MW Geothermal Power ...](#)

1 day ago · This collaboration cements Cape Station's status as a world-class, scalable model for clean, round-the-clock power generation. The feature scope includes Baker Hughes' advanced ...

[Email Contact](#)



## GENERATION PLANT MIX

The generation mix also includes two conventional hydroelectric power stations, three hydro pumped storage schemes and four non-dispatchable mini hydro stations. These stations are ...

[Email Contact](#)

## [Optimal configuration for photovoltaic storage system capacity in ...](#)

Base station operators deploy a large number of distributed photovoltaics to solve the problems of high energy consumption and high electricity costs of 5G base stations. In this ...

[Email Contact](#)

## Commercial and Industrial ESS

Air Cooling / Liquid Cooling

- Budget Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion



## About

Fervo Energy is developing the multi-phase Cape Station geothermal development located in Beaver County, Utah, northeast of Milford. Phase I of the project will begin delivering around ...

[Email Contact](#)





### [Insights on Seismic Behavior at Cape Station 2025](#)

As part of this ongoing effort, Fervo recently completed a comprehensive review of seismicity at Project Cape and presented the findings at the 4th Induced Seismicity Workshop, ...

[Email Contact](#)



### [Powering the Future: Fervo Pioneers the First Electrified...](#)

3 days ago · On August 31, 2024 at Cape Station, H& P Rig 492 switched from diesel generators to utility highline power, marking the first time a geothermal rig has ever electrified its ...

[Email Contact](#)

### [Communication base station grid-connected solar power...](#)

Cellular base stations powered by renewable energy sources such as solar power have emerged as one of the promising solutions to these issues. This article presents an overview of the ...

[Email Contact](#)



### [Baker Hughes Selected by Fervo Energy to Deliver Geothermal Power](#)

Baker Hughes to design and deliver key equipment for geothermal Organic Rankine Cycle (ORC) power plants at Fervo's Cape Station Phase II project in Utah Award includes ...

[Email Contact](#)



## Frequently Asked Questions

Cape Station will rely on a modern binary cycle geothermal power plant, which does not release steam into the air. Once the projects are up and running, the skyline will remain unobstructed.

[Email Contact](#)



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.ogrzewanie-jelenia.pl>