



Steenbras Dam Pumped Storage Scheme

Summary Details

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|--|---|
| Technology Type | Open-loop Pumped Hydro Storage |
| Rated Power (kW) | 180,000 |
| Duration at Rated Power (HH:MM) | 15:30.00 |
| Description | Steenbras was the first hydroelectric pumped-storage scheme commissioned on the continent of Africa with an installed capacity of 180 MW. Apart from its economic advantages, the Steenbras pumped-storage scheme also affords an increased measure of security of supply to the City since, unlike thermal power stations, hydroelectric pumped-storage installations, can be brought into operation and up to full load within a matter of minutes. |
| Web Link | http://www.capetown.gov.za/en/electricity/Pages/default.aspx |

Project Status

| | |
|---------------------------|-------------|
| Status | Operational |
| Commissioning Date | Aug 08 1979 |

Siting

| | |
|-----------------------------|-------------------|
| City | False Bay |
| State/Province | Western Cape |
| Country | South Africa |
| ISO/RTO | N/A |
| Utility | City of Cape Town |
| Utility Type | Public Owned |
| Grid Interconnection | Transmission |

Ownership & Value Chain Partners

| | |
|------------------------|-------------------|
| Ownership Model | Utility-Owned |
| Equity Owner 1 | City of Cape Town |

Cost & Performance

| | |
|--------------------|------------------------------------|
| Performance | Performance metrics not available. |
|--------------------|------------------------------------|

Benefits

| | |
|---------------------------|---|
| Service/Use Case 1 | Electric Energy Time Shift |
| Service/Use Case 2 | Electric Supply Reserve Capacity - Spinning |

Primary Project Contact

| | |
|----------------------|--|
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Metadata

| | |
|-----------------------|-------------------------|
| Record Created | 2013-05-29 22:31:39 UTC |
| Last Updated | 2013-07-16 00:28:23 UTC |

Google Map

Latitude -34.10

Longitude 18.47

This data is preliminary as we are still verifying the entry with the equity owner of the project. If you or someone you know is associated with this project and can provide confirmation of the existing data, or additional data, please click the [Verify Project](#) button on the right.

This report was created using a record on the DOE Global Energy Storage Database, a free database of up-to-date information on grid-connected energy storage projects and relevant policies. To access the DOE Global Energy Storage Database, please visit:

<http://www.energystorageexchange.org>

For more information on energy storage, including the DOE Energy Storage Systems Program, please visit:

<http://sandia.gov/ess/>