Introduction to Snowy Hydro

Snowy Hydro

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History

Construction of the Snowy Scheme took 25 years from 1949 to 1974. An incredible engineering feat, this complex interconnected hydro-electric scheme uses the power of water to generate clean, renewable energy.

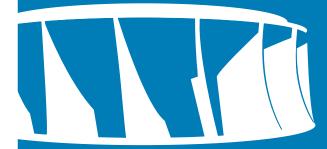
Over the past 70 years, Snowy Hydro has evolved from the Snowy Mountains Hydro-electric Authority, to the Snowy Mountains Authority, to the company we know today.

Definition

Hydro-power - the use of flowing water to power a turbine to produce electrical energy.

LARGEST

renewable generator



HYDRO-POWER STATIONS

Name	Capacity (MW)	No. of units
Tumut 3	1,800	6
Murray 1	950	10
Murray 2	550	4
Tumut 1	330	4
Tumut 2	287	4
Blowering	80	1
Guthega	60	2
Jounama Small Hydro	14	1

Approx. installed capacity 4,100 MW

TH LARGEST

ELECTRICITY RETAILER IN THE NATIONAL ELECTRICITY MARKET

3	RE ⁻	ΓAIL	BRA	NDS	

Red	Lumo	Direct
Energy	Energy	Connect

Definition

Megawatt - a unit of power equal to one million watts, a measure of the output of a power station.

Definition

Aqueduct - a pipe constructed to collect and divert water to a larger body of water.

i Snowy Hydro logo

'Snowy' refers to the snow - most of the water we use to generate electricity comes from snow melt. 'Hydro' refers to water - Snowy Hydro uses water to generate electricity.

The blue colour represents the water and the green colour represents nature, sustainability and renewables.

Snowy Hydro produces renewable energy using water and the snow melt. This is a very important part of the water cycle.

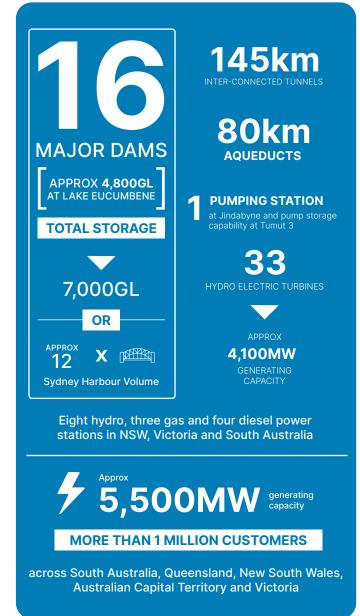


Definition

Dam - a dam is a large wall or barrier that obstructs or stops the flow of water, forming a reservoir or a lake.

Reservoir - a reservoir is a body of water or lake that acts as the water supply.





OTHER SNOWY ASSETS

GAS

VALLEY POWER

COLONGRA POWER

APPROX TOTAL

> 300MW

> 320MW > 660MW SA DIESEL PEAKING GENERATION

DIESEL

> 136MW

Definition

Gigalitre - 1,000 megalitres, or 1,000,000,000 litres.



