Introduction to Snowy Hydro

Snowy Hydro

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

8 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**

4TH LARGEST
ELECTRICITY RETAILER IN THE NATIONAL ELECTRICITY MARKET

3 RETAIL BRANDS

Red Energy	Lumo Energy	Direct Connect

Definition

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

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.

snowyhydro

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.

Tumut Pond Dam

Definition

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

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16 MAJOR DAMS

[APPROX **4,800GL** AT LAKE EUCUMBENE]

TOTAL STORAGE

▼

7,000GL

OR

APPROX **12** X 🌉

Sydney Harbour Volume

145km
INTER-CONNECTED TUNNELS

80km
AQUEDUCTS

1 PUMPING STATION
at Jindabyne and pump storage capability at Tumut 3

33
HYDRO ELECTRIC TURBINES

▼

APPROX
4,100MW
GENERATING CAPACITY

Eight hydro, three gas and four diesel power stations in NSW, Victoria and South Australia

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⚡ Approx **5,500MW** generating capacity

MORE THAN 1 MILLION CUSTOMERS

across South Australia, Queensland, New South Wales, Australian Capital Territory and Victoria

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OTHER SNOWY ASSETS

GAS			DIESEL		
VALLEY POWER	>	300MW	SA DIESEL PEAKING GENERATION	>	136MW
LAVERTON NORTH	>	320MW			
COLONGRA POWER	>	660MW			
APPROX TOTAL	>	1,280MW			