

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**

4 **TH 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.

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.



Tumut Pond Dam

Definition

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

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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

Approx **5,500MW** generating capacity

MORE THAN 1 MILLION CUSTOMERS

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

OTHER SNOWY ASSETS

GAS

VALLEY POWER > 300MW
LAVERTON NORTH > 320MW
COLONGRA POWER > 660MW
APPROX TOTAL > 1,280MW

DIESEL

SA DIESEL PEAKING GENERATION > 136MW