

Energy WA

Electricity Networks

Western Australia's electricity networks include the South West Interconnected System, North West Interconnected System, Esperance System, and Electricity Supply Authorities supplying some regional towns. The [electricity infrastructure map](#) shows the locations of these networks and supply authorities.

The Office of Energy provides advice to the Government on policy aspects and legislation relevant to Western Australia's electricity networks.

The Government is implementing an integrated strategy to improve the safety, reliability and quality of power supply to Western Australian electricity customers who depend on transmission and distribution networks operated by Western Power and Horizon Power.

The recently completed electricity industry reform process has resulted in:

- the creation of the new Western Power as a stand alone networks business to provide a greater focus on networks investment and service standards in the South West Interconnected System, and Horizon Power dedicated solely to the needs of rural electricity customers;
- the implementation of new regulatory measures applying to interconnected networks, including an Electricity Networks Access Code, and a Reliability and Quality of Supply Code; and
- the establishment of a new Customer Protection framework, including an Energy Ombudsman, and a Code of Conduct for supplying small use customers, aimed at delivering better customer service to residential and small business electricity users.

In 2008, the government announced expenditure of \$3.5 billion to allow Western Power to improve the network over the next four years. Some of the key projects that will be funded in the 2008-09 expenditure include:

- \$75.6 million on a new \$295 million 330kV transmission line from Pinjar to Moonyoonooka (near Geraldton), one of the largest projects ever undertaken by Western Power;
- \$50.6 million on a new \$169 million 330kV transmission line from Collie to a new substation to be built in Perth's eastern suburbs;
- \$4.6 million for a new \$180 million transmission line from Collie to Southdown (north-east of Albany) to service the Grange Resources mine;
- \$190.6 million on new transmission capacity, including new substations at Wangara, Joondalup, Warwick and Thornlie;
- \$9.4 million for a new transmission line to the Boddington gold mine;
- \$256.4 million to expand the network's distribution capacity, replace ageing infrastructure and improve reliability and safety; and
- \$21.3 million on the Rural Power Improvement Program, which is specifically targeted towards reliability of supply in rural areas.

Horizon Power will also continue its upgrade and expansion program, spending more than \$123.3 million on the electricity network in the State's regional areas in 2008-09.

