

# Burrendong Dam Safety Upgrade

State  
water

## **BURRENDONG DAM**

<b>Location</b>	Macquarie River, 30km south east of Wellington in NSW
<b>Year dam completed</b>	1967
<b>Storage capacity</b>	1,188,000 megalitres
<b>Water use</b>	Town water supplies, environmental flows, stock and domestic requirements, irrigation supplies, recreation and industry.
<b>Customers</b>	Local government, private irrigators on Macquarie River, stock and domestic on effluent streams such as Gunningbar Creek and Crooked Creek; irrigation schemes and environmental flows
<b>Project cost</b>	\$28 million for stage one funded by the NSW Government
<b>Important dates</b>	Detail Design for the works to commence mid 2009 Construction to commence early 2010 Expected completion 2011

### **Why is the upgrade needed?**

Burrendong Dam is safe for day-to-day operations and can easily handle the largest floods on record. Our ability to predict rainfall and understand extreme weather patterns has improved since the dam was completed in 1967. State Water has embarked on the upgrade to ensure the dam meets safety requirements set by the NSW Dams Safety Committee and continues to serve the community.

### **What will the project involve?**

#### **Stage one**

Stage one of the upgrade involves raising the crest of the main dam wall and saddle dams B and C and modifications to the existing spillway. The road over the main dam wall will be closed during construction and may be closed thereafter for public vehicular access.

#### **Stage two**

Stage two of the upgrade involves construction of a 100m wide auxiliary spillway and fuse plug at saddle dam A. Construction is expected to commence around 2010.

There will be no increase in storage capacity and the upgrade will not affect any water releases from the dam.

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## Project benefits

- Improved dam safety in the event of extreme flooding
- Improved flood mitigation
- Stimulating local economy

## Environmental impacts

A Review of Environmental Factors is underway to identify potential impacts the project may have on the environment.

## Community updates and involvement

State Water will continue to communicate with stakeholders such as Macquarie-Cudgegong Customer Service Committee, throughout the project.

Access to the dam's recreational facilities will be maintained during construction.

## Key Project Contacts

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