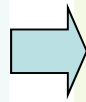
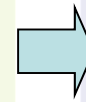


Vulnerability Mapping



Building Resilience



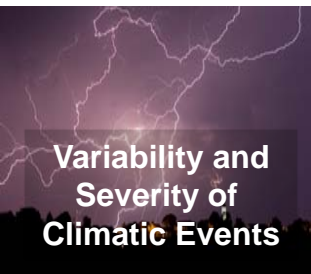
Adaption Planning



- Mapping operating assets vulnerable to sea level rise and coastal erosion
- Mapping assets vulnerable to inflow and infiltration
- Identification of projects on the forward capital that may be susceptible to sea level rise and coastal erosion.



- Mapping bushfire vulnerability
- Identification of projects on the forward capital program that may be particularly susceptible to bushfire
- Updating Catchment management Planning to incorporate climate change risks.



- Updating critical infrastructure with respect to emergency planning.
- Hazard mapping using critical infrastructure protection mapping and analysis tools.

- Develop baseline of infrastructure resilience.
- Identification of knowledge gaps
- Detailed risk assessment
- Scenario planning
- Incorporating resilience into asset decision making.
- Drought response and water security initiatives to address temperature and evaporation risks.
- Emergency response preparedness and training.
- Developing redundancies in the water and wastewater network to enable sustainable water supply and treatment.
- Invest in R&D for new materials and technologies for infrastructure maintenance and construction to reduce their environmental footprint and enhance their resilience.

- Understanding and preparing for regulatory and price impacts of climate change.
- Sustainability decision support tools that factor in climate change impacts into investment.
- Tapping into research and development.
- Communication and engagement with water, industry, local, state and national government.
- Asset planning framework and response plans that factor-in climate change impacts.