

Housing

- instigate / increase funding for low lying property buy-back schemes
- allow homes in flood prone areas to be built higher off the ground
- mandate homes in flood prone areas to install utilities above peak flood levels
- mandate insurers to offer a standard / minimum level of coverage

City buildings

- ensure skyscrapers and buildings in the flood zone have all utilities relocated to above level 2
- ensure skyscrapers and buildings in the flood zone have flood doors installed on them to protect those which don't flood from the water basin up but from street water coming down

Warning

- air raid siren systems throughout populations in flood plains (could be manual and automatic based on water flow height and speed so that when a flash flood hits at 2am and no human is monitoring it, the warning system still activates)
- forced emergency warnings to all mobiles, home phones, work phones and emails (not just via opt-in)
- legalise radio / tv interruption alerts

Catchment storage

- a new dam (or a series of small dams) in the Lockyer / other regions which could be largely kept empty for times of flood emergency to hold water back from the Bremer and Brisbane River so that it can be released slowly and safely over time
- review and update Wivenhoe's operating manual
- increase ability to pump water out of Wivenhoe into other dams
- significantly increase Wivenhoe's capacity (for drinking water security also)
- replace all of Wivenhoe's earth walls with solid concrete and steel to remove **any** risk of Wivenhoe ever bursting which was obviously a warranted concern during this crisis

Brisbane River

- Thames style Flood Barriers, one at the mouth to prevent an entering high tide and one much further upstream to assist in the flood reduction of suburban Brisbane and Brisbane CBD
- install in the Brisbane River, at a strategic point (perhaps upstream of the upstream Thames style Flood Barrier), a series of pumping pipes, as large as the pipes which move water between dams, which can pump significant amounts of water directly out of the Brisbane River and straight out into the ocean via pipes across land
- increase sewerage treatment / holding capacity in flood times so that sewerage doesn't enter river, creeks, water supply etc

Rescue

- a series of powerful and versatile water craft for the Water Police and Rescue Services far exceeding their current capacities
- include a series of tug boats as formal / official components of a flood crisis, not just relying on the serendipitous initiative of tug boat drivers who happen to be there at the right time
- purpose built water craft designed to "sweep and scoop" the river and ocean surface of junk and debris