

TABLE 4.2: Planning and Development Regional Risks

Risk ID	Regional Risk Description	Risk Rating		
		Current	2030	2055
PR1	Inadequate building design Current building design standards not adequate for projected climate conditions leads to increased costs to local Councils for maintenance, retrofitting and replacement	Medium	High	Extreme
PR2	Strategic failure to plan for climate change Council fails to adequately plan for climate change and enact the precautionary principle leading to loss of reputation, liability issues and increased financial costs	Medium	High	Extreme
PR3	Urbanisation and heat island effect Increasing densification and harder surfaces exacerbate heat island effect during heatwaves leading to reduced physical and mental wellbeing and loss of reputation and amenity	Medium	High	High
PR4	Land use planning fails to adequately consider climate change Failure to plan for climate change in land use planning framework exacerbates climate change impacts leading to widespread damage to public and private assets, reduced public safety, liability and insurance issues	Medium	High	High
PR5	More stringent planning laws More stringent building and planning requirements due to increased frequency and severity of extreme events leads to greater strain on statutory planning resources and development approval times	Medium	Medium	High
PR6	Inadequate flood infrastructure Overflowing of drainage systems and inadequate flood infrastructure from increased intensity rainfall events leads to increased damage to council assets and reduced public safety	Medium	Medium	High
PR7	Costs of new water capture infrastructure Increased pressure to design new water capture and reuse infrastructure due to reduced water availability leads to increased capital costs to council	Low	Medium	High
PR8	Inadequate capacity to understand impacts of climate change Lack of understanding of climate change impacts by Council staff and lack of policies or guidance leads to lack of consideration and information integration of climate change in development approvals	Medium	Medium	High