

TABLE 4.4: Infrastructure and assets regional risks

Risk ID	Regional Risk Description	Risk Rating		
		Now	2030	2055
InR1	Bushfire damage to assets Increased loss or damage to buildings due to increased bushfire activity leads to more financial costs of replacing, repairing and maintaining building and plant machinery assets	High	High	Extreme
InR2	Increased flood damage Increased flood damage to Council assets such as roads, paths, drains and buildings from increased intensity rainfall events leads to increased maintenance and replacement costs and more frequent inspections	Medium	High	Extreme
InR3	Reduced asset lifespan Reduced lifespan of Council assets such as buildings, roads, footpaths from hotter drier conditions and more extreme weather events leads to increased replacement costs and more frequent inspections	Medium	High	Extreme
InR5	Damage to underground infrastructure from soil movement Accelerated deterioration of underground infrastructure such as drains, pipes and building foundations due to decreased soil moisture combined with extreme rainfall leads to loss of Council service ability, reduced public safety and asset damage	Medium	High	High
InR6	Machine and plant failure Increased machine and plant failures due to increasing duration, frequency and intensity of heatwaves leading to critical Council service delivery disruptions and higher maintenance costs	Medium	High	High
InR7	Damage to transport infrastructure Increased deterioration of transport infrastructure such as roads, bicycle networks, and paths from hotter drier conditions and more extreme weather leads to higher maintenance and replacement costs and reduced mobility and loss of Council reputation	Medium	High	High
InR8	Damage from power outages More frequent brown and blackouts from increased energy demand during more frequent heatwaves leads to damaged assets and increased costs of repair and replacement	Medium	High	High
InR9	Increasing costs of irrigation Greater demand for irrigation for parks, reserves, sporting grounds and open spaces due to reduced water availability leads to increased costs	Medium	Medium	High
InR10	Increased costs of maintenance of open space More management interventions of open spaces such as sports grounds, parks etc. due to more extreme weather and hotter drier conditions leads to increased management costs and strain on Council resources	Medium	High	High

InR12	<p>Reduced use of open spaces Changes to the health, appearance and use of sporting grounds, parks and reserves and open spaces due to hotter drier conditions and more extreme events leads to reduced amenity, reduced public safety and wellbeing and loss of council reputation</p>	Medium	Medium	High
InR13	<p>Damage from fallen trees Damage from falling trees on council or private land due to increase in extreme wind and storm events, and drier hotter conditions leads to reduced public safety and liability issues</p>	Medium	Medium	High
InR15	<p>Increased costs for water management Increased need for flushing stormwater drains, clearing buildup of litter in drains, treating stormwater and importing water due to prolonged drought conditions leads to increased costs and management efforts</p>	Medium	Medium	High
InR19	<p>Higher street tree mortality Increase in street tree mortality from hotter drier conditions leads to reduced amenity and increased heat island effect and more regular maintenance and replacement</p>	Medium	High	High