≥					INHER	RENT RISK	Existing Management Measure/s	5			DUAL RATING	
tal tego						ive impact)	Legend:	e)	Most relevant unit		e and positive impact easures are split)	
nent it cal	Environmental	Council Activity Orange shaded cells indicate incidental 'activities'.					Yellow shaded cells are undocumented measures (i.e. lacking a policy, procedure, project plan etc.), those still in draft status, or those in need of review, that GRC presently undertake to mitigate environmental harm.	Set I Ik icable	(e.g. which team has the most			
ronr	Aspect	Blue shaded cells indicate activities that cross more than one	Potential Environmental Impact/s	Relevant legislation/regulation	a po	ing	<u>Pink</u> shaded cells are teams and/or positions that help manage this risk through their position function & services Dark orange cells are measures that need confirmation if they are being adhered to and/or are still relevant	Doc S linl applic	knowledge or authority to	en ce	ating	Suggested/Ideas for Future Management Measure/s
Envi		environmental management category or aspect.			sequ	k Rat	Blue cells are mandatory legislated requirements (subordinate to that of regulation or acts) that mitigate environmental risk, that GRC must	U D (if a	influence this measure - if applicable)	sequ	act R	
man					E C	Ris	comply with for the respective activity <u>Purple</u> cells are physical assets that GRC have obtained as a management measure.	ECI		E C	<u><u></u></u>	
							Environment & Conservation team (general services)		Environment & Conservation		#N/A	
							Environmental Health & Biosecurity team (general services)		Biosecurity & Environmental Health		#N/A	
							Risk Management Corporate Standard	<u>5669974</u>			#N/A	
							GRC Environmental Policy 2021	<u>1421192</u>	Business Wide	\square	#N/A	
							Our Coast Our Future - Coastal hazard Adaptation Strategy (CHAS) Biodiversity Conservation Strategic Plan 2016 - 2025	<u>5053872</u> Link	Business Wide Environment & Conservation	$\left \right $	#N/A #N/A	
			Failure to transition and adapt the business toward sustainable practices, modern day environmental				Ecofest - annual community event		Community Development & Events		#N/A	
			standards, and community expectation.				Member of Port Curtis Integrated Monitoring Program (PCIMP)		Environment & Conservation		#N/A	
		Interaction with the community and industry as a local	Impact to local businesses and industry (in the case of delayed economic/region transition and support, with changing environmental legislative obligations and targets)	Environment Protection and Biodiversity Conservation Act 1999 (Cwth)	20	Medium impact	Member of Gladstone Healthy Harbour Partnership Member of Gladstone Air Quality Community Group		Environment & Conservation Environment & Conservation	$\left \right $	#N/A #N/A	
		government	Missed community education & awareness	Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-3 C	mediumimpact	Reef Guardian Council , Reef Guardian action plan	5675306	Environment & Conservation	+++	#N/A #N/A	
			POSITIVE: Support communities, businesses and industries in improving environmental outcomes, across a	Climate change Act 2022 (Cwith)			Complaint Management Policy	1710867			#N/A	
			range of magnitudes of influence (local, state, national, international)				Complaint Management Process Corporate Standard	<u>3046513</u>			#N/A	
							Gladstone Region Economic Development Strategy 2021 - 2025 Gladstone Region Economic Transition Roadmap 2022-2032	Link Link		$\left \right $	#N/A #N/A	
ů ř							Waste Management & Resource Recovery Strategy 2019	Link	Business Wide		#N/A #N/A	
srne							Community Investment Program	Link	Community Partnerships		#N/A	
ove	Administrative						WI-ENV03 Collaborative conservation projects	<u>4375000</u>	Environment & Conservation			
/ B	business practices						Indigenous Land Use Agreement (ILUA) Procurement Policy 2021	<u>3916529</u> 2275449	Business Wide	+++	#N/A #N/A	
less							Procurement Policy 2021 Procurement Corporate Standard	<u>2275449</u> <u>3459497</u>		$\left \right $	#N/A #N/A	
usin		Procurement; purchase of goods & services, deliveries and transport			-3 C	Medium impact	Use of recycled plastic assets within public spaces (bollards, boardwalks, benches,etc.) where possible		Parks Operations		#N/A	
B		tansport					Procurement RFX Environmental questionnaire & E&C team review process	4212698			#N/A	
			Contribution to climate change (in the case of import and transport of goods, services)				Investment Decision Framework (IDF)	Link	Business Wide	\square	#N/A	
		Review, conditioning, approval and monitoring of third-party	Generation of avoidable waste Failure to identify environmental hazards, requirements, and appropriate risk controls	Aboriginal Cultural Heritage Act 2003 (Qld) Biosecurity Act 2014			Internal SME - Development Services team		Development services		#N/A	
		developments in the region (development services)	Environmental non-compliance	Environment Protection and Biodiversity	-4 D	Medium impact	GRC Planning Scheme V2	Link	Development services			
			Failure to identify environmentally sustainable practices or alternatives to harmful activities/products (and subsequent consequences of this)	Conservation Act 1999 (Cwth) Environmental Protection Act 1994 (Qld)			Tool: GRC Geocortex mapping system & development overlays (public)		Development services		#N/A	
			Increased raw resource use	Fisheries Act 1994 (Qld)			Environment & Conservation team consultation and review processes		Environment & Conservation	+++	#N/A	
		Design, & evaluation and execution of GRC capital works projects	Loss of energy/resource efficiency Failure to identify cultural heritage values (and subsequent consequences of this)	Nature Conservation Act 1992 (Qld) Water Act 2000 (Qld)	-4 C	High impact	Risk Management Corporate Standard Tool - Environmental Desktop Assessment Tool (EDAT)	5669974 4942012	Environment & Conservation	+++	#N/A #N/A	
			Impacts to the Great Barrier Reef	Waste Reduction and Recycling Act 2011 (Qld)	1)		Investment Decision Framework (IDF)	Link	Business Wide		#N/A	
		Long-term impacts to local environmental values				Corporate Induction - Environmental Awareness training		Environment & Conservation		#N/A		
		Planning & evaluation of general operations; operation and	s & evaluation of general operations; operation and				Risk Management Corporate Standard	<u>5669974</u>		$\left \right $	#N/A	
		maintenance of GRC assets.			-3 L	Medium impact	CS-2020-14 Incident reporting and investigation corporate standard Capricorn Municipal Development Guidelines (CMDG)	4757377 Link	Business Wide	+++	#N/A #N/A	
							Environment & Conservation team consultation and review processes		Environment & Conservation		#N/A	
		Potable service water (sewerage assets)			-3 B	High impact	Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation		#N/A	
	Water	er GRC Eacilities and huildings	Loss of valuable natural resource (water)	Environmental Protection Act (Qld)	-4 A	Extreme impact	Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation		#N/A	
	Water	CDC Facilities and buildings	1							+++	451/6	
	Water consumption	GRC Facilities and buildings	Loss of valuable natural resource (water). Impacts to source waterbodies	Water Act 2000 Fisheries Act 1994	-1 B	Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation		#N/A #N/A	
		GRC Facilities and buildings Civil works construction water Groundwater extraction & use	Loss of valuable natural resource (water), Impacts to source waterbodies Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems	Water Act 2000	-1 B -2 C							
S		Civil works construction water		Water Act 2000	-1 B -2 C -3 D	Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?)		Environment & Conservation Operations Support Services		#N/A #N/A #N/A	
rrces	consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings		Water Act 2000	-1 B -2 C -3 D -3 B	Medium impact Medium impact Medium impact High impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation		#N/A #N/A #N/A #N/A	
sources		Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems	Water Act 2000	-1 B -2 C -3 D -3 B -5 A	Medium impact Medium impact Medium impact High impact Extreme impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation		#N/A #N/A #N/A	
al resources	consumption Fossil fuel	Civil works construction water Groundwater extraction & use Council facilities and buildings		Water Act 2000	-1 B -2 C -3 D -3 B -5 A -1 B	Medium impact Medium impact Medium impact High impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation		#N/A #N/A #N/A #N/A #N/A	
tural resources	consumption Fossil fuel consumption -	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems	Water Act 2000	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Project: Greenhouse gas emissions inventory project (2022-2023) Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation		#N/A #N/A #N/A #N/A #N/A #N/A #N/A	
i natural resources	consumption Fossil fuel consumption -	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems	Water Act 2000 Fisheries Act 1994	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B	Medium impact Medium impact Medium impact High impact Extreme impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation		#N/A #N/A #N/A #N/A #N/A #N/A #N/A	
e of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change	Water Act 2000	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	Trial use of hydrogen cell webicles or generators as Gladstone
Use of natural resources	Fossil fuel consumption - electricity (grid) Fossil fuel consumption -	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B	Medium impact Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact High impact	Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation		8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A	Trial use of hydrogen cell vehicles or generators as Gladstone develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels)	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	
Use of natural resources	Fossil fuel consumption - electricity (grid) Fossil fuel consumption -	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B -2 C -3 B -2 C -3 B -1 C	Medium impact Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact High impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) -		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A	
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B -2 C -3 B -2 C -3 B -1 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact High impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B -2 C -3 B -2 C -3 B -1 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact High impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) -		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities)	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 B -2 C -3 B -2 C -3 B -1 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact High impact Low impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings &		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities)	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 C -3 B -1 C -3 C -3 C -3 C -3 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact High impact Low impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings &		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 C -3 B -1 C -3 C -3 C -3 C -3 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact High impact Low impact Low impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings &		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Contribution to climate change	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 B -2 C -3 D -3 B -5 A -1 B -2 B -2 C -3 B -1 C -3 C -3 C -3 C -3 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact High impact Low impact Low impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings &		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing)	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 8 -1 C -3 C -3 C -4 -2	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact High impact Low impact Low impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld) Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -1 B -2 B -2 C -3 B -1 C -3 B -4 C -3 C -4 C -5 C -6 C -7 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact Medium impact Low impact Low impact Low impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing.		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld)	-1 B -2 C -3 D -3 B -1 B -2 B -2 C -3 B -1 C -3 B -4 C -3 C -4 C -5 C -6 C -7 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact High impact Low impact Low impact Low impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing.		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld) Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -1 B -2 B -2 C -3 B -1 C -3 B -4 C -3 C -4 C -5 C -6 C -7 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact High impact Low impact Low impact Low impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld) Environmental Protection Act 1994 (Qld)	-1 B -2 C -3 D -3 B -1 B -2 B -2 C -3 B -1 C -3 B -4 C -3 C -4 C -5 C -6 C -7 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact disp impact disp impact disp impact disp impact disp impact disp impact disp impact disp impact disp impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) -		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Operations Support Services Environment & Conservation		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	consumption Fossil fuel consumption electricity (grid) Fossil fuel consumption direct (fuels) Virgin earth /rock material consumption Paper product consumption Combustion engine emissions	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators Maintenance of parks and public amenitites; power tools	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, Indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld) Environmental Protection Act 1994 (Qld)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 C -4 C	Medium impact Medium impact High impact Externe impact Medium impact Medium impact figh impact figh impact forw impact forw impact Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leablowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023)		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Operations Support Services		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	Consumption Fossil fuel consumption - electricity (grid) Fossil fuel consumption - direct (fuels) Virgin earth /rock material consumption Paper product consumption	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld) Environmental Protection Act 1994 (Qld)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 C -4 C	Medium impact Medium impact High impact Extreme impact Medium impact Medium impact disp impact disp impact disp impact disp impact disp impact disp impact disp impact disp impact disp impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Benaraby Landfill Carbon Abatement Project		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
Use of natural resources	consumption Fossil fuel consumption electricity (grid) Fossil fuel consumption direct (fuels) Virgin earth /rock material consumption Paper product consumption Combustion engine emissions Other gas emissions (CO2,	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators Maintenance of parks and public amenitites; power tools	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Environmental nuisance	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2004 (Qld) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 C -4 C	Medium impact Medium impact High impact Externe impact Medium impact Medium impact figh impact figh impact forw impact forw impact Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Benaraby Landfill Carbon Abatement Project Project: Greenhouse gas emissions inventory project (2022-2023) Benaraby Landfill Carbon Abatement Project Project: Greenhouse gas emissions inventory project (2022-2023) Benaraby Landfill Carbon Abatement Project Project: Greenhouse gas emissions inventory project (2022-2023) Benaraby		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Operations Support Services Environment & Conservation Uperations Environment		#N/A	develops further as a hydrogen hub
Use of natural resources	consumption Fossil fuel consumption electricity (grid) Fossil fuel consumption direct (fuels) Virgin earth /rock material consumption Paper product consumption Paper product consumption Combustion engine emissions Other gas emissions	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators Maintenance of parks and public amenitites; power tools	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Contribution to climate change Impacts to local air quality	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 B -2 C -3 D -3 B -2 B -2 C -3 B -1 C -3 C -3 C -4 C -5 C -6 C -7 C -7 C -3 C -4 C -5 C -6 C -7 C	Medium impact Medium impact High impact Externe impact Medium impact Medium impact figh impact figh impact forw impact forw impact Medium impact Medium impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (lune 2023) Benaraby Landfill Carbon Abatement Project Project: Greenhouse gas emissions inventory project (2022-2023) Waste Management & Resource Recovery Strategy 2019 Legislated requirement: Environmental Authority EPR00256013 Project: Greenhouse gas emissions inventory pr		Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Operations Support Services Environment & Conservation Uperations Support Services Environment & Conservation Uperations Support Services Environment & Conservation Uperations Environment & Conservation Environment		#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	develops further as a hydrogen hub
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	Consumption Fossil fuel Consumption electricity (grid) Fossil fuel consumption direct (fuels) Virgin earth /rock material consumption Paper product consumption Combustion engine emissions Other gas emissions emissions (CO2, CH4, NOX)	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators Maintenance of parks and public amenitites; power tools Landfill operations Wastewater Treatment operations Waste operations (active, landfill, WTS)	Loss of valuable natural resource (water), Impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Environmental nuisance Positive: The GWWTP Biosolids flare converts methane and other trace gases from the treatment process into CO2, which has a lower global warming protential (GWP) than methane.	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 C -3 C -3 C -3 C -4 C -5 C -4 C -5 C -4 C -5 C -6 C -7 C -3 C -4 C -5 C -6 C -7 C -3 C -3 C -3 C -3 C -3 C -4 C	Medium impact Medium impact High impact Extreme impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (20	Link 4030898 Link	Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Operations Support Services Environment & Conservation UNIVERSE Environment & Conservation Environment & Conservation UNIVERSE Environment & Conservation UNIVERSE Environment & Conservation UNIVERSE UNIVERSE UNIVERSE UNIVERSE Environment & Conservation UNIVERSE		#N/A #N/A	develops further as a hydrogen hub
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	Consumption Fossil fuel consumption electricity (grid) Fossil fuel consumption direct (fuels) Virgin earth /rock material consumption Paper product consumption Combustion engine emissions Other gas emissions (CO2, CH4, NOX) Odourous	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators Maintenance of parks and public amenitites; power tools Landfill operations Wastewater Treatment operations Waste operations (active, landfill, WTS)	Loss of valuable natural resource (water), impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Positive: The GWWTP Biosolids flare converts methane and other trace gases from the treatment process into CO2, which has a lower global warming protential (GWP) than methane.	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 C -3 C -3 C -3 C -4 C -5 C -4 C -5 C -4 C -5 C -6 C -7 C -3 C -4 C -5 C -6 C -7 C -3 C -3 C -3 C -3 C -3 C -4 C	Medium impact Medium impact High impact Extreme impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-20207) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forkilfts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric internatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: ItCT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Benaraby Landfill Carbon Abatement Project Project: Greenhouse gas emissions inventory project (2022-2023) Benaraby Landfill Carbon Abatement Project Project: Greenhouse gas emissions inventory project (2022-2023) Waste Management & Resource Recovery Strategy 2019 Legislated requirement: Environmental Authority EPPR00826913 Legislated requirement: Environmental Authority EPPR00826913 Legislated requirement: Environmental Authority EPPR00826913	Link 4030898 Link Link	Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Operations Support Services Environment & Conservation Uperations Environment & Conservation Environ		#N/A	develops further as a hydrogen hub
	Consumption Fossil fuel consumption electricity (grid) Fossil fuel consumption direct (fuels) Virgin earth /rock material consumption Paper product consumption Combustion engine emissions Other gas emissions (CO2, CH4, NOX) Odourous	Civil works construction water Groundwater extraction & use Council facilities and buildings Sewerage assets Water assets Public pool operation Operation of street and park lights Indirect - Use of concrete products Fleet, mobile Plant and Machinery use Maintenance of parks and public amenitites; power tools Civil works (inc maintenance activities) General office activities & operations; printing Gladstone WWTP Biosolids flare Fleet, mobile Plant and Machinery use Sewerage and water assets - Generators Maintenance of parks and public amenitites; power tools Landfill operations Wastewater Treatment operations Waste operations (active, landfill, WTS) Sewerage operations (WWTP, SPS)	Loss of valuable natural resource (water), impact to groundwater dependent ecosystems Contribution to climate change, consumption of non-renewable resource, Loss of biodiversity Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Consumption of raw sand, rock and soils, indirect contribution to habitat loss and soil degradation, missed opporunity to reduce waste to landfill Potential contribution to deforestation (depending on paper sourcing) Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Contribution to climate change Impacts to local air quality Depletion of non-renewable resources Positive: The GWWTP Biosolids flare converts methane and other trace gases from the treatment process into CO2, which has a lower global warming protential (GWP) than methane.	Water Act 2000 Fisheries Act 1994 Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Climate Change Act 2022 (Cwth) Petroleum & Gas Act 2022 (Cwth) Environmental Protection Act 1994 (Qld) Climate Change Act 2022 (Cwth)	-1 8 -2 C -3 0 -3 8 -2 8 -2 8 -2 7 -3 8 -1 C -3 C -3 C -3 C -3 C -4 C -5 C -4 C -5 C -4 C -5 C -6 C -7 C -3 C -4 C -5 C -6 C -7 C -3 C -3 C -3 C -3 C -3 C -4 C	Medium impact Medium impact High impact Externe impact Medium impact Medium impact Medium impact High impact High impact Guor impact Medium impact	Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Solar installed upon several GRC buildings (2019-2020?) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Parks crews at present (June 2023) Asset: ICT team initiative - Equipping of GRC office staff with laptops (replacing desk computers), enabling laptops to be taken to meetings & reducing need for printing. Asset: Introduction of hybrid vehicles (light vehicles, forklifts, etc) to the GRC fleet (2022) Project: Greenhouse gas emissions inventory project (2022-2023) Asset: Use and trialling of electric alternatives to combustion engine powertools (mowers, leafblowers, whippersnippers, chainsaws, etc.) - applied only to Tondoon Botanic Gardens and Park	Link 4030898 Link Link Link	Environment & Conservation Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Operations Support Services Environment & Conservation Uperations Support Services Environment & Conservation Uperations Environment & Conservation Environment Environment		#N/A #N/A	develops further as a hydrogen hub
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			Regulatory services for environmental nuisance complaints	POSITIVE: Regulatory functions to minimise environmental nuisance in the community	Environmental Protection Act 1994 (Qld)	з с	Medium benefit	Environmental Nuisance - Spray Drift factsheet	Link	Biosecurity & Environmental Health	#N/A	
Image: second		emissions										
Image: second									Link		· · · · ·	
Note: Note: Sec:: Sec::: Sec:::: Sec:::: Sec:::: Sec:::: Sec:::: Sec::::: Sec::::::::::::::::::::::::::::::::::::			Control burns (smoke)			-2 B	Medium impact					
Image: star in the									5551499			
No. 0 Control (Control (Contro) (Control (Contro) (Control (Contro) (Contro) (Co		emissions	Civil works (erosion & sediment management)	impacts to local air quality, Environmental nuisance (dust), Sediment pollution to waterways		-2 В	Medium impact	Benaraby Landfill - Site Based Management Plan (SBMP) & on-site water truck	4030898	Waste Operations	#N/A	
No No No No No No No No			Incidental - Landfill fires (smoke)	Impacts to local air quality, Environmental nuisance, Hazardous emissions (burning waste)		-3 D	Medium impact	Benaraby Landfill - Site Based Management Plan (SBMP) & on-site water truck	4030898	Waste Operations	#N/A	
No. Control Control <thcontrol< th=""> <thcontrol< th=""> <thcont< td=""><td></td><td>Engine and</td><td>Fleet, mobile Plant and Machinery use</td><td></td><td></td><td>-1 C</td><td>Low impact</td><td></td><td></td><td></td><td>#N/A</td><td></td></thcont<></thcontrol<></thcontrol<>		Engine and	Fleet, mobile Plant and Machinery use			-1 C	Low impact				#N/A	
Normal set in the se		machinery use	Sewerage and water assets - Pumps, generators			-1 B	Medium impact	Legislated requirement: Environmental Authority EPPR00959913	Link	Water Operations	#N/A	
Matrix Matrix Matrix Matrix Matrix Matrix No		Alarms	Vehicles and mobile plant; reversing alarms			-1 C	Low impact				#N/A	
No No<			Security alarms			-1 D	Low impact				#N/A	
Normal set in the se	۵							Environmental Health team; noise nuisance complaint investigation and compliance processes		Biosecurity & Environmental Health	#N/A	
Image: second	lois	Third party noise	Regulatory services for noise nuisance complaints	Noise pollution; disturbance to fauna	Environmental Protection Act 1994 (Qld)	з с	Medium benefit		Link		#N/A	
Image: Part of the second se	2			POSITIVE: Regulatory functions to minimise noise nuisance in the community					Link			
Normal Normal Normal Normal Normal Normal Normal Normal Normal Normal								Amplifier devices factsheet	Link	Biosecurity & Environmental Health	#N/A	
No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No. No.		Use of convioted	Maintenance of parks and public amenitites; power tools			-1 C	Low impact				#N/A	
Normal Section								applied only to rondoon Botanic Gardens and Parks crews at present (June 2025)				
			In-field asset maintenance (sewerage, fleet, machinery etc.)			-1 D	Low impact				#N/A	
								'Animals breeding' template signage kept on-hand		Environment & Conservation	#N/A	
				Inappropriate trimming/tree maintenance practices: tree health degradation	Nature Conservation Act 1992 (Old) Rioscouri	-3 D	Medium impact	Mowing routine postponed or altered where an at-risk ground nest is reported		Environment & Conservation	#N/A	
Normal set is a			Non-chemical vegetation management (mowing, trimming etc.)			.,			<u>5037947</u>			
Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage Normage				POSITIVE: Removal of species that harm native pollinators, and degrade ecosystem structure and function						-		
Normal set is a						3 B	High benefit			-	-	
Normal Normal Normal Normal Normal Normal Normal Normal Image: Normal Norma			Propagation and planting of vegetation			3 B	High benefit					
				habitat (long term), reduced urban heat island effect								
Normal set is a set in the set in the set is a set in the set in the set in the set is a set in the set is a set in the se					Nature Conservation Act 1992 (Qld)							
<td></td> <td></td> <td></td> <td>POSITIVE: Conservation of native EVNT flora specimens, community education & awareness, propagation and</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Tondoon Botanic Gardens</td> <td>-</td> <td></td>				POSITIVE: Conservation of native EVNT flora specimens, community education & awareness, propagation and						Tondoon Botanic Gardens	-	
Net Image: second			Operation of a botanic gardens collection			3 B	High benefit	Asset: Tondoon Botanic Gardens		Tondoon Botanic Gardens	#N/A	
Normal Control Control <th< td=""><td></td><td></td><td></td><td>Temporary loss of ground cover habitat</td><td></td><td></td><td></td><td>Internal SME - First Nations Fire Officer position</td><td></td><td>Environment & Conservation</td><td>#N/A</td><td></td></th<>				Temporary loss of ground cover habitat				Internal SME - First Nations Fire Officer position		Environment & Conservation	#N/A	
Normal			Control burns			-2 C	Medium impact	Use of traditional burning practices alongside contemporary practice		Environment & Conservation	#N/A	
New Principant of the control of the contro									Link		#N/A	
New problem Automa Automa Automa Automa Automa Automa Norma Automa Automa Automa Automa Automa Automa Norma Automa Automa Automa Automa Automa Automa Norma Automa			Vegetation clearing (permanent and semi-permanent removal of						-		#N/A	
Normal Normal Normal Normal Normal Normal Normal Normal Normal Normal		Interaction with		Permanent loss of fauna breeding places, habitat, environmental values and ecological processes.		-4 L	High impact	Investment Decision Framework (IDF)	Link	Business Wide	#N/A	
</td <td></td> <td>vegetation</td> <td></td>		vegetation										
									1			
											#N/A	
N N N N N N N N N N N N			Maintenance of access in marine areas			-3 D	Modium impact	седински гедински и иссерсе встеюрински соцетов орегованы ноги ише в иле текнота, деза аскои ог антиде от нылие рыно				
 			Maintenance of assets in marine areas			-3 0	wedium impact	Legislated requirement: Marine Park Permit MPW/GBRC0084 16.11.2018-30.11.2018 - Tidal works	4224832	Environment & Conservation	#N/A	
A P								WI-ENV08 - Vegetation Management Process	<u>5543000</u>	Environment & Conservation	#N/A	
Normer description Main and performance of the section of the sectin of the sectin of the section of the sectin of the section of								GRC Biosecurity Plan 2021-2025	Link		#N/A	
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No best or section Concording excision Concord section Con	(Bio							Internal SME - Biosecurity team		Biosecurity & Environmental Health	#N/A	
New Net	u a				Nature Conservation Act 1992 (Qld)				Link	Biosecurity & Environmental Health	#N/A	
No<	au		Chemical vegetation management (spraying)	POSITIVE: Removal of pest species that harm native pollinators, and degrade ecosystem structure and		-3 C	Medium impact			Business Wide	#N/A	
K Normal Security 100 (0) (0) (0) (0) (0) (0) (0) (0) (0) (function						Biosecurity & Environmental Health	#N/A	
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Normal problem in the construction of the problem in the constructin the problem in the construction of the problem in the constructi	Flora & F			function				Regional Flying Fox Management Plan (RFFMP)		Environment & Conservation		
Image: Province of the	Flora & F			Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community				Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds		Environment & Conservation Environment & Conservation Environment & Conservation	#N/A	Marine stranding procedure; Council's roles where a deceased marine
Image: Problem in the second	Flora & F		Wildlife management (swooping birds, flying-foxes, other)	Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species.	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity	-2 C	Medium impact	Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP)	5052612	Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation	#N/A	Marine stranding procedure; Council's roles where a deceased marine animal is reported and QPWS/a strandings officer requires Council to
Normal biase Normal biase <th< td=""><td>Flora & F</td><td></td><td>Wildlife management (swooping birds, flying-foxes, other)</td><td>Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness</td><td>Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity</td><td>-2 C</td><td>Medium impact</td><td>Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP)</td><td>5052612</td><td>Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation</td><td>#N/A</td><td>animal is reported and QPWS/a strandings officer requires Council to</td></th<>	Flora & F		Wildlife management (swooping birds, flying-foxes, other)	Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity	-2 C	Medium impact	Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP)	5052612	Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation	#N/A	animal is reported and QPWS/a strandings officer requires Council to
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NAME NAME Annul Pactornity Panzo22-025 Link Bioscurity Attronmental Health I	Flora & F		Wildlife management (swooping birds, flying-foxes, other)	Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity	-2 C	Medium impact	Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP) Flying-fox educational videos (3) Living with wildlife - magpies factsheet	<u>5052612</u>	Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation	#N/A #N/A #N/A #N/A	animal is reported and QPWS/a strandings officer requires Council to
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Biosecurity matter (pests) management Impact of doing nothing: Ecosystem degradation due to biosecurity matter Nature Conservation Act 1992 (QII) Impact of doing nothing: Ecosystem degradation due to biosecurity matter Nature Conservation Act 1992 (QII) Interaction with fauna POSITIVE: Removal of pest species that harm native pollinators, native fauna, and degrade ecosystem Nature Conservation Act 1992 (QII) fauna fauna Video Biosecurity & Environmental Health impact	Flora & F		Wildlife management (swooping birds, flying-foxes, other)	Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness of native fauna	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity	-2 C		Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP) Flying-fox educational videos (3) Living with wildlife - magpies factsheet Living with wildlife - Flying-foxes factsheet Environment & Conservation team monthly flying-fox roost monitoring Internal SME - Biosecurity team	5052612 Link Link Link	Environment & Conservation Environment & Conservation	8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A 8N/A	animal is reported and QPWS/a strandings officer requires Council to
Pheraphy POSITVE: Removal of pests species that harm native polinators, native fauna, and degrade constructure and function A minal Care and Protection Act 2001 (A) I High benefit African Tulip Tree Removal Program Video Biosecurity & Environmental Health I High fauna Animal Care and Protection Act 2001 (A) I High benefit	Flora & F		Wildlife management (swooping birds, flying-foxes, other)	Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness of native fauna	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity Conservation Act 1999 (Cwth)			Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP) Flying-fox educational videos (3) Living with wildlife - magpies factsheet Living with wildlife - Flying-foxes factsheet Environment & Conservation team monthly flying-fox roost monitoring Internal SME - Biosecurity team GRC Biosecurity Plan 2021-2025 Annual Pest Control Service (GRC buildings & facilities)	5052612 Link Link Link	Environment & Conservation Environment & Conservation Biosecurity & Environmental Health Biosecurity & Environmental Health	#N/A #N/A #N/A #N/A #N/A #N/A #N/A	animal is reported and QPWS/a strandings officer requires Council to
fauna fauna India Myna Cage Trapping Program Link Biosecurity & Environmental Health #NA	Flora & F			Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying fores), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying fores), community education & awareness of native fauna	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity Conservation Act 1999 (Cwth) Biosecurity Act 2014 (Qld)	2 C		Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP) Flying-fox educational videos (3) Living with wildlife - magpies factsheet Living with wildlife - Flying-foxes factsheet Environment & Conservation team monthly flying-fox roost monitoring Internal SME - Biosecurity team GRC Biosecurity Plan 2021-2025 Annual Pest Control Service (GRC buildings & facilities) IN PROGRESS: WI-ENV12 - Emulsion Weed & Seed Removal from Vehicles & Equipment	<u>5052612</u> Link Link Link Link	Environment & Conservation Environment & Conservation Biosecurity & Environmental Health Biosecurity & Environmental Health Operations Support Services Environment & Conservation	#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	animal is reported and QPWS/a strandings officer requires Council to
3 B Highbanelis Pandanus Dieback Mitigation Program Environment & Conservation #N/A	Flora & F	Interaction with		Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness of native fauna Off-target native wildlife impacts; poisoning, off-target trapping Impact of doing nothing: Ecosystem degradation due to biosecurity matter POSITIVE: Removal of pest species that harm native pollinators, native fauna, and degrade ecosystem	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity Conservation Act 1999 (Cwth) Biosecurity Act 2014 (Qld) Nature Conservation Act 1992 (Qld)		Medium impact High benefit	Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP) Flying-fox educational videos (3) Living with wildlife - magpies factsheet Living with wildlife - Flying-foxes factsheet Environment & Conservation team monthly flying-fox roost monitoring Internal SME - Biosecurity team GRC Biosecurity Plan 2021-2025 Annual Pest Control Service (GRC buildings & facilities) IN PROGRESS: WI-ENV12 - Emulsion Weed & Seed Removal from Vehicles & Equipment African Tulip Tree Removal Program	<u>5052612</u> Link Link Link Link <u>Video</u>	Environment & Conservation Environment & Conservation Biosecurity & Environmental Health Diperations Support Services Environment & Conservation Biosecurity & Environmental Health	#N/A #N/A #N/A #N/A #N/A #N/A #N/A #N/A	animal is reported and QPWS/a strandings officer requires Council to
	Flora & F			Displacement or loss of individual animals (swooping birds), Worsening of nuisance impacts to community (disturbance of flying foxes), Impacts to EVNT species. POSITIVE: Contribution to national research & monitoring (flying foxes), community education & awareness of native fauna Off-target native wildlife impacts; poisoning, off-target trapping Impact of doing nothing: Ecosystem degradation due to biosecurity matter POSITIVE: Removal of pest species that harm native pollinators, native fauna, and degrade ecosystem	Nature Conservation Act 1992 (Qld) Environment Protection and Biodiversity Conservation Act 1999 (Cwth) Biosecurity Act 2014 (Qld) Nature Conservation Act 1992 (Qld)		Medium impact High benefit	Regional Flying Fox Management Plan (RFFMP) WI-EC01 Managing Swooping Birds Marine Turtles Communication Action Plan (CAP) Flying-fox educational videos (3) Living with wildlife - magpies factsheet Living with wildlife - Flying-foxes factsheet Environment & Conservation team monthly flying-fox roost monitoring Internal SME - Biosecurity team GRC Biosecurity Plan 2021-2025 Annual Pest Control Service (GRC buildings & facilities) IN PROGRESS: WI-ENV12 - Emulsion Weed & Seed Removal from Vehicles & Equipment African Tulip Tree Removal Program Indian Myna Cage Trapping Program	<u>5052612</u> Link Link Link Link <u>Video</u>	Environment & Conservation Environment & Conservation Biosecurity & Environmental Health Biosecurity & Environmental Health Biosecurity & Environmental Health Biosecurity & Environmental Health Biosecurity & Environmental Health	#N/A #N/A	animal is reported and QPWS/a strandings officer requires Council to

1	1	I	3 B	High benefit	Central Queensland Coastal Fox Management Program (2021-2024)	Link	Environment & Conservation	#N/A	
					New GRC developments involving lighting in vicinity of coastal areas align (where possible) to the National Light Pollution Guidelines for	Link	Business Wide	#N/A	
Operation of lights at night; street lights, park lighting, emergency works, etc.	Light pollution; disturbance to nocturnal and crepuscular fauna, disturbance to marine turtles, seabirds and migratory shorebirds	Nature Conservation Act 1992 (Qld)	-3 D	Medium impact	Wildlife 2020				_
					GRC Planning Scheme - Biodiversity Overlay Code	Link	Development services	#N/A	
Installation and maintenance of barbed wire, razor wire, etc.	Wildlife entanglement and injury (particularly near blooming/fruiting plants)	Nature Conservation Act 1992 (Qld)	-1 C	Low impact					Policy or internal guideline for risk assessing barbed wire use on assets. Retrofit existing barbed wire in high-risk areas with visibi tape on top wire.
Water meter and valve pit operations	Disturbance/loss of native bee colonies, loss of essential native pollinators		-1 B	Medium impact	Native bee colonies are reported to the Australian Native Bee Association (ANBA) Gladstone Branch, for rescue & relocation		??	#N/A	Document and formalise this process for reporting native hive council infrastructure or in felled vegetation
	Impact of doing nothing: Mass loss of fauna, health risk to public, attraction of pests (to decaying corpses)	Nature Conservation Act 1992 (Qld), Biosecurit	y						
Incidental - Response to heat stress & starvation events (flying foxes)	POSITIVE: Recovery of fallen flying-foxes and transfer to rehabilitators, reduced reliance on volunteer organisations to respond to mass event/manage health risk	Act 2014 (Qld), Environment Protection & Biodiversity Conservation Act 1994 (Cwth)	2 C	Medium benefit	IN PROGRESS: GRC Flying-Fox Mass Mortality Event Procedure		Environment & Conservation	#N/A	
Incidental - Vehicle-wildlife interactions	Loss of individual animal, Risk of loss of control of the vehicle	Nature Conservation Act 1992 (Qld)	-1 D	Low impact				#N/A	
rith Construction and maintenance of waterway barrier works (culverts, bed level crossings, etc.)	Modification of waterway flow, Impacts to fish passage, Loss of aquatic biodiversity Erosion & sediment pollution	Fisheries Act 1994 (Qld)	-3 C	Medium impact	Legislated requirement: Accepted development code for operational work that is constructing or raising waterway barrier works		Business Wide	#N/A	
Civil works (erosion & sediment management)			-3 B	High impact	WI-ENV17 - Erosion and Sediment control at Council controlled work sites	<u>5551499</u>	Environment & Conservation	#N/A	
	Sediment pollution to waterways, Soil degradation, Erosion, Environmental nuisance, Impacts to the Great				Cleaner Roads Runoff Research Project	Link	Environment & Conservation	#N/A	
Construction & maintenance of unsealed roads	Barrier Reef		-3 C	Medium impact	Capricorn Municipal Development Guidelines (CMDG)	Link	Business Wide	#N/A	_
Installation and maintenance of artificial turf, rubber crumb, an	d	-			WI-ENV17 - Erosion and Sediment control at Council controlled work sites	<u>5551499</u>	Environment & Conservation	#N/A	Policy or internal guidelines for risk assessing rubber crumb/a
rubber mulch products	Rubber particle, heavy metals and PAH pollution to soil and waters	-	-2 B	Medium impact					turf etc. use on new assets.
Cleaning of machinery & equipment	Pollution to waters: hydrocarbons, emulsion, bitumen, cleaning chemicals, Impact to aquatic ecosystems, Contamination of soils]	-2 C	Medium impact	DRAFT: WI-ENV12 - Emulsion Weed & Seed Removal from Vehicles & Equipment		Environment & Conservation	#N/A	
					Legislated requirement: Environmental Authority EPPR00959913	Link	Water Operations	#N/A	
					Tool: EnviroSys environmental monitoring software	TBC	Environment & Conservation	+	
	Pollution to waters; sediment, nutrients, physicochemical parameters. Local aquatic ecosystem degradation		-3 A	High impact	IN PROGRESS: Asset Growth Plans & Masterplan for Gladstone, South Trees, Calliope, Boyne Island & Tannum Sands WWTPs		Asset Planning	#N/A	
waters)	and loss of biodiversity, Pollution of emerging contaminants of concern, Impacts to the Great Barrier Reef				Queensland Alumina Limited Recycled Water Agreement 2022	5563049	Water Operations	#N/A	
					Gladstone Wastewater Treatment Plant Site Based Management Plan (SBMP), 2020	4610705	Water Operations	#N/A	
		-			South Trees Wastewater Treatment Plant Site Based Management Plan (SBMP), 2020	<u>4610704</u>	Water Operations	#N/A	
	Pollution to waters; elevated salts. Local aquatic ecosystem degradation and loss of biodiversity, Impacts to				Legislated requirement: Environmental Authority EPPR00959913	Link	Water Operations	#N/A	
Agnes Water desalination plant - brine discharge to ocean	the Great Barrier Reef	Factor and a basis of the Act 1004 (OId)	-3 C	Medium impact	Legislated requirement: Marine Parks Permit G18/37713.1 Agnes Water Desalination Plant, exp 2028	<u>4010511</u>	Water Operations	#N/A	
		Environmental Protection Act 1994 (Qld)			Agnes Water Desalination Plant - Environmental Management Plan, 2018	4079807	Water Operations	#N/A	
e Incidental - Sewage overflows to waters	Pollution to waters: Sediment, nutrients, pathogens, physicochemical parameters Impacts to local aquatic ecosystem Erosion of soil (depending on overflow point) Health risk to the public Impacts to the Great Barrier Reef				GRC-WW-SOERP-01 Sewage Overflow Emergency Response Plan GRC-WW-PRO-01 Sewage Overflow Response Procedure	<u>5514145</u> <u>5514144</u>	Water Operations Water Operations	#N/A #N/A	
					Tool - Sewage Overflow release calculator		Water Operations	#N/A	
			2	Martine	Quick guide - Sewage Overflow Response Guide	<u>5672490</u>	Water Operations	#N/A	
			-2 C Mediu	Medium impact	Beakon - Incident Reporting System WI-ENVD4 - How to lodge an environmental incident	Link 5268664	Business Wide Environment & Conservation	#N/A #N/A	
					WI-ENV11 - Investigation, Corrective Actions and closure of environmental incidents	<u>5268705</u>	Environment & Conservation	#N/A	
					Asset: Pump station instrumentation, telemetry & alarms TE-ENV01 - GRC General stormwater ingress incident 10 day report template	<u>5241111</u>	Water Operations Environment & Conservation	#N/A	
		-			Gladstone Region Urban Stormwater Quality Management Plan (GRUSQMP)	5241111	Environment & conservation	#N/A	
Design, installation and maintenance of stormwater assets	Exacerbation of coastal hazard impacts, Downstream erosion, Transport of contaminants into aquatic ecosystems, Impacts to fish passage, Impacts to the Great Barrier Reef		-3 B	High impact	Capricorn Municipal Development Guidelines (CMDG) Roads Operations - Street sweeping program of works	Link	Business Wide Roads Operations	#N/A #N/A	
Design and installation of sewage assets (network)	Pollution to waters (sewage contaminants), Impacts to local aquatic ecosystem	-	-3 C	Medium impact	Capricorn Municipal Development Guidelines (CMDG)	Link	Business Wide	#N/A	
Extraction, screening activities (Quarry operations)	Sediment pollution, Erosion, Environmental nuisance - dust, Impacts to the Great Barrier Reef		-3 C	Medium impact	WI-ENV17 - Erosion and Sediment control at Council controlled work sites	5551499	Environment & Conservation	#N/A	
Stockpiling and unpaved laydown area management	acument politicity, crossing crimental hasance addy, impacts to the oreat burner need	-	-3 C	Medium impact	WI-ENV17 - Erosion and Sediment control at Council controlled work sites	<u>5551499</u>	Environment & Conservation	#N/A	
Waste operations (active, landfill, WTS)	Leachate contamination to groundwater leachate contamiantion to surface water		-4 D	Medium impact	Legislated requirement: Annual groundwater monitoring (EA requirement conditions 1-D1, 1-D2, 1-D3, 1-D4, 1-D5) Benaraby Landfill Site Based Management Plan (SBMP), 2019	Link 4030898	Waste Operations Waste Operations	#N/A #N/A	_
Former landfills (post-closure care)	Loss of waste containment over time (capping degradation)		-4 E	Medium impact	Asset: Groundwater monitoring bores installed at ERA former landfills	4050050		#N/A	Annually monitor groundwater quality at former landfills
	Loss of native invertebrate populations, Impact to aquatic ecosystems, Contamination of soils	Nature Conservation Act 1992 (Qld)			GRC Biosecurity Plan 2021-2025	<u>Link</u>	Biosecurity & Environmental Health	#N/A	
Chemical vegetation management (spraying)	POSITIVE: Removal of pest species that harm native pollinators, and degrade ecosystems containination of soils function	Biosecurity Act 2014 (Qld) Environment Protection Act 1994 (Qld)	-2 C	Medium impact	Competency requirement -staff are to hold an Agricultural Chemical Distribution Control licence (ACDC licence) or be under instruction of a licence holder.		Business Wide	#N/A	
	Iuncom	Environment Frütertion Act 1994 (Qld)			Internal SME - Biosecurity team		Biosecurity & Environmental Health	#N/A	
					WI-ENV01 - Spills response (Oil, fuel or chemical) procedure	5298389	Environment & Conservation	#N/A	
					Beakon - Incident Reporting System WI-ENVD4 - How to lodge an environmental incident	Link 5268664	Business Wide Environment & Conservation	#N/A #N/A	
Incidental - Spills	Impact to aquatic ecosystems Contamination of soils		-3 C	Medium impact	WI-ENV11 - Investigation, Corrective Actions and closure of environmental incidents	5268705	Environment & Conservation	#N/A	
		Environmental Protection Act 1994 (Old)			TE-ENV02 - GRC 10 day environment report template	<u>5241112</u>	Environment & Conservation	#N/A	
		(00)			Asset: Regulated waste bins at GRC depots Online internal training - Spills response training		Operations Support Services Environment & Conservation	#N/A #N/A	
		-			Environmental Health team - Erosion & Sediment control compliance, investigation and compliance function for stormwater pollution		Biosecurity & Environmental Health	#N/A	
r Regulatory services for third party stormwater pollution (e.g. ESC from building sites, <200L spills)	POSITIVE: Regulatory functions and educational material, to minimise stormwater pollution in the region		3 B	High benefit	reports. Stormwater Pollution prevention on building sites Factsheet	Link	Biosecurity & Environmental Health	#N/A #N/A	_
ESC from building sites, <200L spins)					Stormwater Poliution prevention on building sites Patisneet Stormwater Pollution Impacts Factsheet	Link	Biosecurity & Environmental Health	#N/A	
Design, installation and maintenance of stormwater assets	Exacerbation of coastal hazard impacts, Downstream erosion, Transport of contaminants into aquatic	Environmental Protection Act (Qld) Water Act 2000	-3 C	Medium impact	Gladstone Region Urban Stormwater Quality Management Plan (GRUSQMP)			#N/A	
	ecosystems, Impacts to fish passage	Fisheries Act 1994 Environmental Protection Act (Qld)			Capricorn Municipal Development Guidelines (CMDG)	Link	Business Wide	#N/A	
rith Capital developments	Downstream erosion, Transport of contaminants into aquatic ecosystems, Impacts to fish passage, degradation of sensitive aquatic ecosystems, loss of biodiversity	Water Act 2000 Fisheries Act 1994	-3 C	Medium impact	GRC Planning Scheme - Biodiversity Overlay Code	Link	Development services		
Construction and maintenance of waterway barrier works (culverts, bed level crossings, etc.)	Modification of waterway flow, Impacts to fish passage, Loss of aquatic biodiversity, Erosion & sediment pollution	Environmental Protection Act (Qld) Fisheries Act 1994 (Qld)	-3 C	Medium impact	Legislated requirement: Accepted development code for operational work that is constructing or raising waterway barrier works		Business Wide	#N/A	
		Environmental Protoction Art 1004 (01-8			Legislated requirement: Annual groundwater monitoring (EA requirement conditions 1-D1 to 1-D5)	Link	Waste Operations	#N/A	
Waste operations (active, landfill, WTS)	Contamination of soils, Contamination to groundwater		-3 D	Medium impact	Waste Management & Resource Recovery Strategy 2019 Benarahy Landfill Site Baced Management Plan (SBMP) 2010	Link	Business Wide	#N/A	
						4030898			
		1			Legislated requirement: Environmental Authonity EPPK00959913		water operations	#N/A	1
Waste operations (active, landfill	, WTS)	WTS) Contamination of soils, Contamination to groundwater	WTS) Contamination of soils, Contamination to groundwater Environmental Protection Act 1994 (Qld) Waste Reduction and Recycling Act 2011 (Qld)	WTS) Contamination of soils, Contamination to groundwater Environmental Protection Act 1994 (Qld) Waste Reduction and Recycling Act 2011 (Qld) - Variable Contamination to groundwater		WTS) Contamination of soils Contamination to groundwater Environmental Protection Act 1994 (Qld) -3 D Medium impact Waster Management & Resource Recovery Strategy 2019	WTS) Contamination of soils, Contamination to groundwater Environmental Protection Act 1994 (0)dl Waste Reduction and Recycling Act 2011 (0)dl Waste Reduction and Recycling Act 2011 (0)dl -3 D Medium impact Waste Management & Resource Recovery Strategy 2019 Link Medium impact Waste Management & Resource Recovery Strategy 2019 Link 4030898 4030898 4030898	WTS) Contamination of soils, Contamination to groundwater Environmental Protection Act 1994 (0)dl Waste Reduction and Recycling Act 2011 (0)dl Waste Reduction and Recycling Act 2011 (0)dl -3 D Medium impact Waste Management & Resource Recovery Strategy 2019 Link Business Wide 0 </td <td>WTS) Environmental Protection Act 1994 (0)dl Waste Reduction and Recycling Act 2011 (0)dl Benaraby Landfill Site Based Management Plan (SBMP), 2019 Link Business Wide 4 ##NA Medium impact Waste Management & Resource Recovery Strategy 2019 Link Business Wide 4 ##NA</td>	WTS) Environmental Protection Act 1994 (0)dl Waste Reduction and Recycling Act 2011 (0)dl Benaraby Landfill Site Based Management Plan (SBMP), 2019 Link Business Wide 4 ##NA Medium impact Waste Management & Resource Recovery Strategy 2019 Link Business Wide 4 ##NA

						IN PROGRESS: Asset Growth Plans for Gladstone, South Trees, Calliope, Boyne Island & Tannum Sands WWTPs		Asset Planning	#N/A	
		Wastewater treatment plant treated effluent disposal to land	ater treatment plant treated effluent disposal to land (irrigation) Contamination of soils, Contamination to groundwater, Health hazard to public (pathogens) Loss of soil structure, Impacts to the Great Barrier Reef	Environmental Protection Act 1994 (Qld)	-3 C Medium in	Tannum Sands Wastewater Treatment Plant Site Based Management Plan (SBMP), 2020	4610706	Water Operations	#N/A	
		(irrigation)							#N/A	-
						BITS Golf Club, Sports Grounds and Dennis Park Irrigation Management Plan, 2015	3693425	Water Operations		
						Calliope Wastewater Treatment Plan Site Based Management Plan (SBMP), 2020	4610703	Water Operations	#N/A	
	Emissions to land					Legislated requirement: QLD Health Guideline for low-exposure recycled water schemes		Business Wide	#N/A	
						GRC Biosecurity Plan 2021-2025	Link	Biosecurity & Environmental Health	#N/A	
			Loss of native invertebrate populations, Impact to aquatic ecosystems, Contamination of soils	Nature Conservation Act 1992 (Qld)		Competency requirement -staff are to hold an Agricultural Chemical Distribution Control licence (ACDC licence) or be under supervision an	d	Business Wide	#N/A	
		Chemical vegetation management (spraying)	POSITIVE: Removal of pest species that harm native pollinators, and degrade ecosystem structure and function	Biosecurity Act 2014 (Qld) Environment Protection Act 1994 (Qld)	-2 D Low imp	instruction of a staff member who does.		Dusiliess wide	#19/6	
						Internal SME - Biosecurity team		Biosecurity & Environmental Health	#N/A	
						WI-ENV01 - Spills response (Oil, fuel or chemical) procedure	5298389	Environment & Conservation	#N/A	
						Beakon - Incident Reporting System	Link	Business Wide	#N/A	
			Impact to aquatic ecosystems			WI-ENV04 - How to lodge an environmental incident	5268664	Environment & Conservation	#N/A	
_		Incidental - Spills	Contamination of soils	Environmental Protection Act 1994 (Qld)	-3 C Medium in		5268705	Environment & Conservation	#N/A	I
and						TE-ENV02 - GRC 10 day environment report template Asset: Regulated waste bins at GRC depots	<u>5241112</u>	Environment & Conservation Operations Support Services	#N/A #N/A	
ت						Online internal training - Spills response training		Environment & Conservation	#N/A	
						Tool - Environmental Desktop Assessment Tool (EDAT)	4942012	Environment & Conservation	#N/A	
	Disturbance of		Impact to aquatic ecosystems (acids)	Environmental Protection Act 1994 (Qld)		GRC Geocortex mapping layer: PSO - Acid Sulphate Soils	Link	Development Services	#N/A	-
	acid sulphate soils	Civil works in/near coastal areas	Degradation of soil structure and stability Impacts to the Great Barrier Reef	Nature Conservation Act 1992 (Qld) Planning Act 2016 (Qld)	-3 D Medium in	GRC Planning Scheme - Acid Sulphate Soils Overlay Code	Link	Development Services		-
			impacts to the oreat barrier neer	Fianning Act 2010 (Gid)		WI-ENV17 - Erosion and Sediment control at Council controlled work sites	5551499	Environment & Conservation	#N/A	-
	Disturbance of		Assidental disk shares of boundary synthetics of a sharehold Contamination of soils. Sinkholds and burnel			IN PROGRESS: Geocortex mapping layer of former landfills	3331133	Environment & Conservation	#N/A	
	contaminated	Civil works upon contaminated sites (e.g. former landfills)	Accidental disturbance of hazardous wastes (e.g. asbestos), Contamination of soils, Sinkholes and tunnel erosion		-4 E Medium in	GRC contaminated land register (inbuilt to EDAT tool)	4942012	Environment & Conservation	#N/A	-
	land			1			5053872	Business Wide	#N/A	
						Our Coast Our Future - Coastal hazard Adaptation Strategy (CHAS) Geocortex mapping layer: Coastal Inundation and Erosion				
			Impact of doing nothing: Community & GRC asset impacts from coastal hazards (impacts not created by GRC).				Link	Environment & Conservation	#N/A	
	Coastal	Management of coastal hazards (e.g. sand push, dune	Contamination of waters and soils (in the event of impacted asset - e.g. sewage).	Environmental Protection Act 1994 (Qld)		CoastSnap Community Science monitoring stations	Link	Environment & Conservation	#N/A	
	Management	restoration, monitoring, long-term planning)	POSITIVE: Mitigation of coastal erosion, Dune monitoring and ecosystem restoration, Improved awareness &		3 B High ben	Seventeen Seventy Coastal Adaptation and Resilience Plan (1770 CARP)		Environment & Conservation	#N/A	
			resilience to coastal hazards			Agnes Water Seventeen Seventy Shoreline Erosion Management Plan (Agnes/1770 SEMP)	4699313	Environment & Conservation	#N/A	
						Turkey Beach Shoreline Erosion Management Plan (Turkey Beach SEMP)	4699347	Environment & Conservation	#N/A	
						Boyne Island Tannum Sands Shoreline Erosion Management Plan (BITS SEMP)	<u>5471944</u>	Environment & Conservation	#N/A	
		Civil works (erosion & sediment management)	Sediment pollution to waterways, Soil degradation, Erosion, Environmental nuisance		-2 C Medium in	WI-ENV17 - Erosion and Sediment control at Council controlled work sites	5551499	Environment & Conservation	#N/A	
	Alteration of soil		Impacts to the Great Barrier Reef (catchment)							
	structure		Exacerbation of coastal hazard impacts, Downstream erosion, Transport of contaminants into aquatic	Environmental Protection Act 1994 (Qld)		Gladstone Region Urban Stormwater Quality Management Plan (GRUSQMP)			#N/A	_
			ecosystems, Impacts to fish passage	Water Act 2000 (Qld) Fisheries Act 1994 (Qld)	-3 C Medium in		Link	Business Wide	#N/A	
						WI-ENV17 - Erosion and Sediment control at Council controlled work sites	<u>5551499</u>	Environment & Conservation	#N/A	
		GRC buildings & facilities (general waste, paper, cardboard,				[TO BE CHECKED: All GRC offices equipped with recycling bins]		Operations Support Services	#N/A	
		plastics)	Plastic pollution to the environment		-2 C Medium in		Link	Revenue Services		_
		ated Expired consumables (first aid kits, lab consumables) Loss of potentially recoverable Contamination of recoverable Road sweeping operations Contamination of soils (if waste is in Warehouse operations (deliveries, packaging)	Unecessary filling of landfill airspace (increased emissions) Loss of potentially recoverable materials (recyclables)		-1 D Low imp	Waste Management & Resource Recovery Strategy 2019 tt Expired first aid kit supplies are donated to local wildlife organisations	Link	Business Wide Environment & Conservation	#N/A	
	Non-regulated		Contamination of recycling streams							Document & formalise the collection and donation of expired first aid
	solid wastes				1 C Low ben	IN PROGRESS- Asset: Gladstone WTS drving beds		Roads Operations		
	Solid Wastes		Contamination of soils (if waste is improperly reused or stored)		1 C Low ben -1 C Low imp			Roads Operations Operations Support Services	#N/A #N/A	kit supplies to wildlife organisaitons/any other organisations that may be able to use it
	Solid Westers		POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater			tt [TO BE CHECKED: GRC Warehouse precints equipped with recycling skip bins]	4030898			
		Warehouse operations (deliveries, packaging)			-1 C Low imp	tt [TO BE CHECKED: GRC Warehouse precints equipped with recycling skip bins] act Benaraby Landfill Site Based Management Plan (SBMP), 2019	<u>4030898</u>	Operations Support Services	#N/A	
		Warehouse operations (deliveries, packaging) Litter -windblown (waste operations)	POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater	_	-1 C Low imp -2 B Medium in	Image: Total Beam Content of the CHECKED: GRC Warehouse precints equipped with recycling skip bins] act Beam araby Landfill Site Based Management Plan (SBMP), 2019 act Designated smoking areas, smoking areas equipped with cigarette butt bins (Operations support services)	<u>4030898</u> <u>4216931</u>	Operations Support Services Waste Operations	#N/A #N/A	
		Warehouse operations (deliveries, packaging) Litter -windblown (waste operations) Litter - cigarettes (staff smoking areas) Community events Water and sewerage treatment operations	POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater	-	-1 C Low imp -2 B Medium in -1 B Medium in -2 D Low imp -3 C Medium in	Image: Constraint of the constr		Operations Support Services Waste Operations Operations Support Services	#N/A #N/A #N/A #N/A #N/A	
		Warehouse operations (deliveries, packaging) Litter -windblown (waste operations) Litter - cigarettes (staff smoking areas) Community events	POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater	-	-1 C Low imp -2 B Medium in -1 B Medium in -2 D Low imp	Image: Crown of the c	4216931	Operations Support Services Waste Operations Operations Support Services Waste Operations	#N/A #N/A #N/A #N/A	
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Waste		Warehouse operations (deliveries, packaging) Litter -windblown (waste operations) Litter - cigarettes (staff smoking areas) Community events Water and sewerage treatment operations Batteries (automotive) Hazardous chemicals Asbestos wastes Waste oil (workshop operations, fleet maintenance) Cleaning of emulsion off roads equipment (kerosene) Incidental - Spills	POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater systems. Score adjacent is a balance between this positive and the negative of the waste being 'generated'. Contamination of soils Hazard to human health		-1 C Low imp -2 B Medium in -1 B Medium in -2 D Low imp -3 C Medium in -3 D Medium in	ct [TO BE CHECKED: GRC Warehouse precints equipped with recycling skip bins] act Benaraby Landfill Site Based Management Plan (SBMP), 2019 act Designated smoking areas, smoking areas equipped with cigarette butt bins (Operations support services) ct P-2018-30 Single Use Plastics Policy (Last reviewed 2018) act Battery drop-off services provided at Benaraby Landfill & Gladstone WTS ct Battery drop-off services provided at Benaraby Landfill & Gladstone WTS ct Battery drop-off services provided at Benaraby Landfill & Gladstone WTS ct CS-25/2013 Hazardous materials waste management (Last reviewed 2015) act CS-25/2013 Hazardous materials waste management (Last reviewed 2015) act Online Learning: Asbestos Awareness act Online Learning: Asbestos Awareness act DRAFT: WI-ENV12 - Emulsion Weed & Seed Removal from Vehicles & Equipment act DRAFT: WI-ENV12 - Emulsion Weed & Seed Removal from Vehicles & Equipment act WI-ENV01 - Spills response (Oil, fuel or chemical) procedure Beakon - Incident Reporting System WI-ENV01 - Investigation, Corrective Actions and closure of environmental incidents act WI-ENV01 - GRC 10 day environment report template Asset: Regulated waste bins at GRC depots Online internal training - Spills response training act Benaraby Landfill Site Based Management Plan (SBMP), 2019 <td>4216931 4216931 Link Link C Link S268664</td> <td>Operations Support Services Waste Operations Operations Support Services Waste Operations Health, Safety & Weilbeing Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Waste Operations</td> <td>#N/A #N/A #N/A</td> <td>be able to use it</td>	4216931 4216931 Link Link C Link S268664	Operations Support Services Waste Operations Operations Support Services Waste Operations Health, Safety & Weilbeing Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation Waste Operations	#N/A	be able to use it
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Cultural Heritage Waste	Regulated wastes Regulated wastes Liquid wastes (non-regulated) Disturbance of first nations cultural heritage	Warehouse operations (deliveries, packaging) Litter -windblown (waste operations) Litter - cigarettes (staff smoking areas) Community events Water and sewerage treatment operations Batteries (automotive) Hazardous chemicals Asbestos wastes Waste oil (workshop operations, fleet maintenance) Cleaning of emulsion off roads equipment (kerosene) Incidental - Spills Waste operations (active, landfill, WTS) Regulatory services for third party illegal dumping Vacuum truck use (non-sewage) Dirty wastewater from cleaning vehicles/machinery (washdowns) Dewatering operations (quarry & waste ops sediment dams, excavations etc.) Civil works (inc maintenance activities) Control burns Civil works (inc maintenance activities)	POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater systems. Score adjacent is a balance between this positive and the negative of the waste being 'generated'. Contamination of soils Hazard to human health POSITIVE: Regulatory functions to to prevent and minimise ilelgal dumping, which minimises the following environmental impacts: Introduction of biosecurity matter into the environment, plastic & waste pollution to the environment, impacts to environmental values and amenity, impacts to the Great Barrier Reef. Erosion & sediment pollution (depending on drying/disposal practices) Destruction, displacement or damage to cultural values and artefacts Failure to identify cultural values and artefacts Failure to identify cultural values and artefacts Loss of scar trees from bushfre.	Waste Reduction and Recycling Act 2011 (Q)d) Environmental Protection Act 1994 (Q)d) Aboriginal Cultural Heritage Act 2003 (Q)d)	-1 C Low imp -2 B Medium in -1 B Medium in -2 D Low imp -3 C Medium in -3 D Medium in -4 D Low imp -2 D Low imp -3 D Medium in -4 D Medium in	Image: state in the interval of the second secon	4216931 4216931 <	Operations Support Services Waste Operations Operations Support Services Waste Operations Waste Operations Health, Safety & Wellbeing Operations Support Services Environment & Conservation Environment & Conservation Environment & Conservation Operations Support Services Environment & Conservation User Operations Local Laws Local Laws Operations Support Services Environment & Conservation Coperations Support Services Business Wide Environment & Conservation Environment	Image: Constraint of the second sec	be able to use it Document and formalise processes to improve recycling of batteries from Council offices/operations - e.g. per-building battery bins Heritage Chance Find Procedure, awareness training in terms of identification of potential CH Heritage Chance Find Procedure, Awareness training in terms of Heritage Chance Find Procedure, Awareness training in terms of Heritage Chance Find Procedure, Awareness training in terms of
Cultural Heritage Waste	Regulated wastes Regulated wastes Liquid wastes (non-regulated) Disturbance of first nations cultural heritage Disturbance of	Warehouse operations (deliveries, packaging) Litter -windblown (waste operations) Litter - cigarettes (staff smoking areas) Community events Water and sewerage treatment operations Batteries (automotive) Hazardous chemicals Asbestos wastes Waste oil (workshop operations, fleet maintenance) Cleaning of emulsion off roads equipment (kerosene) Incidental - Spills Waste operations (active, landfill, WTS) Regulatory services for third party illegal dumping Vacuum truck use (non-sewage) Dirty wastewater from cleaning vehicles/machinery (washdowns) Dewatering operations (quarry & waste ops sediment dams, excavations etc.) Civil works (inc maintenance activities) Control burns Civil works (inc maintenance activities)	POSITIVE: Road sweeping operations removes litter from roadsides and prevents its entry to stormwater systems. Score adjacent is a balance between this positive and the negative of the waste being 'generated'. Contamination of soils Hazard to human health POSITIVE: Regulatory functions to to prevent and minimise ilelgal dumping, which minimises the following environmental impacts: Introduction of biosecurity matter into the environment, plastic & waste pollution to the environment, impacts to environmental values and amenity, impacts to the Great Barrier Reef. Erosion & sediment pollution (depending on drying/disposal practices) Destruction, displacement or damage to cultural values and artefacts Failure to identify cultural values and artefacts Failure to identify cultural values and artefacts Loss of scar trees from bushfre.	Waste Reduction and Recycling Act 2011 (Q)d) Environmental Protection Act 1994 (Q)d) Aboriginal Cultural Heritage Act 2003 (Q)d)	-1 C Low imp -2 B Medium in -1 B Medium in -2 D Low imp -3 C Medium in -3 D Medium in -4 D Low imp -2 D Low imp -3 D Medium in	Image: state in the interval of the second secon	4216931 4216931 <	Operations Support Services Waste Operations Operations Support Services Waste Operations Waste Operations Health, Safety & Wellbeing Operations Support Services Environment & Conservation Environment & Conservation Coperations Support Services Environment & Conservation Uccal Laws Coperations Support Services Operations Support Services Operations Support Services Operations Support Services Operations Support Services Coperations Support Services Environment & Conservation Coperations Support Services Coperations Support Services Coperations Waste Operations Waste Operations Coperations Coperations Environment & Conservation E	Image: 1000 million Image: 1000 million Image: 1000 million Image: 1000 million <td>be able to use it Document and formalise processes to improve recycling of batteries from Council offices/operations - e.g. per-building battery bins Heritage Chance Find Procedure, awareness training in terms of identification of potential CH Heritage Chance Find Procedure, Awareness training in terms of identification of potential european heritage, Roadside Memorials</td>	be able to use it Document and formalise processes to improve recycling of batteries from Council offices/operations - e.g. per-building battery bins Heritage Chance Find Procedure, awareness training in terms of identification of potential CH Heritage Chance Find Procedure, Awareness training in terms of identification of potential european heritage, Roadside Memorials

Cat.	Aspects	Activities (duplicates only counted once)		Measures (duplicates only counted once)	Teams/Groups (duplicates only counted once)	
9	32	87		169	17	