

Appendix D – LGIP Checklist

Appendix D is part of Statutory Guideline 03/14 – Local government infrastructure plans

Review principles: - A reference in the checklist to the LGIP Template is taken to include a relevant reference to the SPA, statutory guideline for LGIPs, statutory guideline for MALPI or the Queensland Planning Provisions (QPP). - Compliance requirements are not limited to the requirements listed in the checklist.									
Local government infrastructure plan (LGIP) checklist				To be completed by local government		To be completed by appointed reviewer			
LGIP guideline outcome	LGIP component	Number	Requirement	Requirement met (yes/no)	Local government comments	Compliant (yes/no)	Justification	Corrective action description	Recommendation
The LGIP is consistent with the legislation and statutory guideline for LGIPs	All	1.	The LGIP sections are ordered in accordance with the LGIP template.	Yes	The States Template (Statutory Guideline 3-14 Appendix A) has been used as the basis of the LGIP	Yes	Complies - The LGIP sections are ordered in accordance with the LGIP template	N/A	LGIP may proceed
		2.	The LGIP sections are correctly located in the planning scheme.	Yes		Yes	Complies - The LGIP has been assigned to be located in part 4 of the Mackay Region Planning Scheme 2017	N/A	LGIP may proceed
		3.	The content and text complies with the mandatory components of the LGIP template.	Yes	The State Template (Statutory Guideline 3-14 Appendix A) has been used as the basis of the LGIP	Yes	Complies - The content and text within the draft LGIP document complies with the mandatory components of the LGIP template.	N/A	LGIP may proceed
		4.	Text references to numbered paragraphs, tables and maps are correct.	Yes		Yes	Complies - All text references within the draft LGIP document to numbered paragraphs, tables and maps are correct.	N/A	LGIP may proceed
	Definitions	5.	Additional definitions (to those in the QPP) do not conflict with statutory requirements.	NA	There are no additional definitions used in the LGIP	Yes	Complies - No additional definitions have been proposed	N/A	LGIP may proceed
	Preliminary section	6.	The drafting of the Preliminary section is consistent with the LGIP template.	Yes		Yes	Complies - The drafting of the Preliminary section is consistent with the LGIP template	N/A	LGIP may proceed
		7.	All five trunk networks included in the LGIP. If not, which networks are excluded? Why have these networks been excluded?	Yes	All five (5) trunk infrastructure types (Water Services; sewerage, Transportation, Stormwater and Land for Open Space) are included in the LGIP.	Yes	Complies – The LGIP includes all five (5) networks listed in the LGIP template.	N/A	LGIP may proceed.
	Planning assumptions - structure	8.	The drafting of the Planning assumptions section is consistent with the LGIP template.	Yes	A separate “Planning Assumptions” report has been developed to provide greater explanation / context for assumptions contained in the LGIP.	Yes	Complies - The drafting of the Planning assumptions section is consistent with the LGIP template.	N/A	LGIP may proceed
		9.	All the projection areas listed in the tables of projections are shown on the relevant maps and vice versa.	Yes	Projection Areas identified in Tables 3.1.1,2,4 and 5 are illustrated in the PIA maps	Yes	Complies – All the projection areas listed in the tables of projections are shown on the relevant maps and vice versa.	N/A	LGIP may proceed.
		10.	All the service catchments listed in the tables of projected infrastructure demand are identified on the relevant PFTI maps and vice versa.	Yes	Mapped service catchments align with projection demand tables.	Yes	Complies - All service catchments listed in the tables of projected demand for each network are identified on the relevant PFTI maps for that network.	N/A	LGIP may proceed

	Planning assumptions - methodology	11.	The population and dwelling projections reflect those prepared by the Qld Government Statistician (as available at the time of preparation).	Yes	The process for development of the population, dwelling non-residential and employment projections are outlined in the Planning Assumptions report. Further detail is contained in the PIE Report of September 2017	Yes	Complies – The existing and future population and dwelling projections are generally in accordance with projections prepared by the Qld Government Statistician.	N/A	LGIP may proceed.
		12.	The employment and non-residential development projections align with the available economic development studies, other reports about employment or historical rates for the area.	Yes		Yes	Complies – The process used to determine non-residential development projections, as outlined in the Planning Assumptions report.	N/A	LGIP may proceed.
		13.	The developable area excludes all areas affected by absolute constraints such as steep slopes, conservation and flooding.	Yes	The Developable Area maps contained in the Planning Assumptions report identify the land available for development. These reflect constraints identified in the broader Planning Scheme.	Yes	Complies – Absolute and partial development constraints have been used to determine the developable area of each lot. Constraints modelled include flooding, steep slopes, agricultural land, resources and wetlands.	N/A	LGIP may proceed.
		14.	The planned densities reflect realistic levels and types of development having regard to the planning scheme provisions and current development trends.	Yes	Non-residential plot ratios have been drawn directly from MRCs Growth Allocation Model (MGAM). Zones and area classifications re consistent with the planned density tables developed by other Councils and accepted by the State	Yes	Complies – The planned densities contained in Table SC3.1.3 reflect reasonable and realistic levels of development for each zoning across both residential and non-residential development.	N/A	LGIP may proceed.
		15.	The planned densities account for land required for local roads and other infrastructure.	Yes	Planned densities account for land required for local roads and other infrastructure	Yes	Complies – Planned densities have taken into account land requirements for infrastructure, such as roads. This has been verified by determining the land area required for the planned density (number of lots) at minimum lot sizes.	N/A	LGIP may proceed
		16.	The population and employment projection tables identify “ultimate development” in accordance with the QPP definition.	Yes		Yes	Complies – Ultimate development has been calculated by applying the planned density under the planning scheme to the developable area of the parcel unless overridden by a development application. This is in accordance with the QPP definition of ‘Ultimate Development’	N/A	LGIP may proceed
		17.	Based on the information in the projection tables and other available material, it is possible to verify the remaining capacity to accommodate growth, for each projection area.	Yes		Yes	Complies – Based on information in the LGIP and associated extrinsic material, it is possible to determine remaining development capacity within the PIA for each projection area and a total of all areas outside the PIA at each	N/A	LGIP may proceed

							projection year to 2036.		
		18.	The planning assumptions reflect an efficient, sequential pattern of development.	Yes	The process for establishing the PIA is outlined in the Planning Assumption report and reflects known development approvals and industry intentions.	Yes	Complies - The planning assumptions reflect the land use pattern and planning provisions within the planning scheme. Within urban areas, the planning scheme provides capacity for growth which, for the purposes of the draft LGIP, is able to occur in an efficient, sequential pattern.	N/A	LGIP may proceed
		19.	Has the Department of Transport and main Roads or any relevant distributor-retailer been consulted in the preparation of the LGIP? What was the outcome of the consultation?	Yes	DTMR consultation can be verified through the minutes of the LGIP Consultation meeting of 22 nd May 2017	Yes	Complies – Mackay Regional Council consulted with DTMR by way of a meeting in May 2017.	N/A	LGIP may proceed
	Planning assumptions - demand	20.	The infrastructure demand projections are based on the projections of population and employment growth.	Yes	Infrastructure demand projections listed in tables SC 3.1.6 o SC 3.1.10 are consistent with MGAM projections. This is particularly the case for the Transport, Parks, water and stormwater infrastructure. The alignment with Sewerage trunk infrastructure is consistent but not as precise.	Yes	Complies – Demand projections have been prepared at the service catchment level, and are based on the population and non-residential modelling outlined in the extrinsic material. Conversion to ‘standard demand units’ has been undertaken using typical/accepted demand generation rates	N/A	LGIP may proceed
		21.	The demand generation rates align with accepted rates and/or historical data.	Yes		Yes	Complies – Demand Generation rates for each network align with typically accepted demand generation rates. Sources include the Mackay Planning Scheme and QUDM.	N/A	LGIP may proceed
		22.	The service catchments used for infrastructure demand projections are identified on relevant PFTI maps and demand tables.	Yes	Service catchments identified in PFTI maps align with demand projection catchments.	Yes	Complies – Service catchments for each network are identified on respective PFTI maps and cross-referenced in tables of demand, located in Schedule 3.	N/A	LGIP may proceed
		23.	The service catchments for each network cover, at a minimum, the PIA.	Yes		Yes	Complies – Service catchments across all networks cover at least the PIA, representing that urban development within the PIA boundary is planned to be service by all trunk infrastructure networks.	N/A	LGIP may proceed
		24.	The Asset Management Plan and Long Term Financial Forecast align with the LGIP projections of growth and demand. If not, is there a process underway to achieve this?	Yes	The alignment of the LGIP and the AMPs is being undertaken progressively and the Council has a program in place to update/develop their AMPs. As highlighted in the Planning Assumptions report, as AMPs are updated/developed and the LGIP is reviewed/amended over time, greater alignment will be achieved.	Yes	Complies – Changes to planning assumptions have resulted in variances between the draft LGIP and the LTAMP and LTFF. Council have advised that these will be aligned at each documents next review	N/A	LGIP may proceed

	Priority infrastructure area (PIA)	25.	The drafting of the PIA section is consistent with the LGIP template.	Yes	The process for determining the PIA is summarised in the attached Planning Assumptions report.	Yes	Complies – The drafting of the PIA section is consistent with the LGIP template.	N/A	LGIP may proceed.
		26.	Text references to PIA map(s) are correct.	Yes	(refer Q9 also)	Yes	Complies – Text references PIA map SC3.3.2 in Schedule 3.	N/A	LGIP may proceed.
		27.	The PIA boundary shown on the PIA map is legible at a lot level and the planning scheme zoning is also shown on the map.	Yes	The PIA boundary is clearly defined in the LGIP Mapping and planning scheme zones are included.	Yes	Complies – The PIA boundary shown on all PIA maps is legible at a lot level and the planning scheme zoning is shown on the map to assist with interpretation.	N/A	LGIP may proceed
		28.	The PIA includes all areas of existing urban development serviced by all relevant trunk infrastructure networks at the time the LGIP was prepared.	Yes	The PIA accommodates demand, current market conditions and known intent as advised by the development community. Where existing urban zoned land is excluded from the PIA, it is where the land is partially serviced by either water/sewer and there is no plan to provide both services.	Yes	Complies – The PIA includes all areas of existing urban development which are serviced by all trunk infrastructure networks, in accordance with the definition of the PIA.	N/A	LGIP may proceed
		29.	The PIA accommodates growth for at least 10 years but no more than 15 years.	Yes	The process for establishing the PIA is outlined in the Planning Assumptions report and reflects knowns development approvals and industry intentions.	Yes	Complies – The PIA accommodates growth for at least 10 years and no more than 15 years. Across the interim periods up to the LGIP planning horizon of 2031, the population outside the PIA is projected to decline as a greater proportion of the population is located within urban areas.	N/A	LGIP may proceed
		30.	Are there areas outside the PIA for which the planning assumptions identify urban growth within the next 10 to 15 years? If so, why have these areas been excluded from the PIA?	Yes	The MGAM has allocated urban growth outside the PIA up to 5% in limited circumstances, including (in priority order): a) existing development approvals b) residential in Township zones and Rural-residential zones c) non-residential in Emerging community or Specialised centre zones They have not been included in the PIA as Council has no plans to service these areas with trunk infrastructure.	Yes	Complies – There are no areas outside the PIA where significant urban growth is projected to occur within the next 10 to 15 years and is expected to be serviced by all trunk networks.	N/A	LGIP may proceed.
		31.	The PIA achieves an efficient, sequential pattern of development.	Yes	The PIA has been developed to reflect a least cost pattern of development. It accommodates demand, current market conditions and known intent as advised by the development industry.	Yes	Complies – The PIA has been drafted to ensure that future urban growth is accommodated in an efficient and sequential pattern, reflecting logical extensions to the current urban form. The PIA boundary also pays regard to existing and proposed infrastructure	N/A	LGIP may proceed

							capacities in order to determine where urban growth will occur over the next 10 to 15 years.		
Desired standards of service (DSS)	32.	The drafting of the DSS section is consistent with the LGIP template.	Yes		Yes	Complies – The DSS have been included for each LGIP network in accordance with the template.	N/A	LGIP may proceed.	
	33.	The DSS section states the key planning and design standards for each network.	Yes		Yes	Complies – The DSS contains key planning and design standards for each network.	N/A	LGIP may proceed.	
	34.	The DSS reflects the key, high level industry standards, regulatory and statutory guidelines and codes, and planning scheme policies about infrastructure.	Yes		Yes	Complies – The design standards for each network refer to the key standards contained in other relevant documents and other industry standards about infrastructure (e.g. Queensland Urban Drainage Manual).	N/A	LGIP may proceed.	
	35.	There is alignment between the relevant levels of service stated in the local government’s Long-Term Asset Management Plan (LTAMP) and the LGIP. If not, is there a process underway to achieve this?	Yes	In general, the two align. However, there are fundamental differences between the concept of a DSS as stated in the LGIP (which covers trunk infrastructure only and focuses solely on growth) whilst the service standards contained in the LTAMPs covers standards for provision of non-trunk infrastructure as well as service outcomes across existing networks. Council has a program in place to align the LGIP and the LTAMPs.	Yes	Complies – Council have sought to align the DSS between the LGIP and the LTAMP as much as possible, given statutory limitations in relation to the varying purposes and scopes of each document. Integran have been advised that Council will continue to seek alignment between the documents in future revisions going forward.	N/A	LGIP may proceed.	
Plans for trunk infrastructure (PFTI) – structure and text	36.	The drafting of the PFTI section is consistent with the LGIP template.	Yes		Yes	Complies – The drafting of the Plans for Trunk Infrastructure section is consistent with the LGIP template	N/A	LGIP may proceed	
	37.	PFTI maps are identified for all networks listed in the Preliminary section.	Yes	PFTI Maps have been developed for all five (5) networks listed in the preliminaries section	Yes	Complies – The drafting of the PFTI section is consistent with the LGIP template	N/A	LGIP may proceed	
	38.	PFTI schedule of works summary tables for future infrastructure are included for all networks listed in the Preliminary section.	Yes		Yes	Complies – PFTI maps are identified for all networks listed in the preliminary section	N/A	LGIP may proceed	
PFTI – Maps [Add rows to the checklist to address these items for each of the networks]	39.	The maps clearly identify the existing and future trunk infrastructure networks distinct from each other.	Yes	The PFTIs clearly identify Councils intention to provide trunk infrastructure to support development within the nominated Priority Infrastructure Area (PIA)	Yes	Complies – PFTI schedule of works tables are included in Schedule 3 for all networks listed in the preliminary section	N/A	LGIP may proceed	
	40.	The service catchments referenced in the SOW model and infrastructure demand summary tables are shown clearly on the maps.	Yes	The service catchments are shown for all PFTI maps	Yes	Complies – The service catchments referenced in the SOW model and infrastructure demand summary tables are shown clearly on the maps.	N/A	LGIP may proceed.	
	41.	Future trunk infrastructure components are identified (at summary project level) clearly on the maps including a legible map reference.	Yes	Individual projects are identified clearly on the mapping and can be related back to the SOW tables.	Yes	Complies – Future infrastructure items are clearly identified on the mapping. The	N/A	LGIP may proceed.	

							legend on the maps helps to describe the type of trunk infrastructure assets. The maps are logically numbered and contain map grids to assist with navigation between maps.		
		42.	The infrastructure map reference is shown in the SOW model and summary schedule of works table in the LGIP.	Yes	Individual projects reference numbers are included in the summary schedule and the SOW model	Yes	Complies – Future infrastructure items are labelled with unique ID numbers which correlate to the numbering contained in the schedule of works tables in the LGIP and SOW model.	N/A	LGIP may proceed.
	Schedules of works <i>[Add rows to the checklist to address these items for each of the networks]</i>	43.	The schedule of works tables in the LGIP complies with the LGIP template.	Yes		Yes	Complies - The schedule of works tables in the LGIP comply with the LGIP template.	N/A	LGIP may proceed
		44.	The identified trunk infrastructure is consistent with the SPA and LGIP guideline.	Yes		Yes	Complies – identified trunk infrastructure is consistent with the SPA and the table of indicative trunk infrastructure contained within the LGIP guideline.	N/A	LGIP may proceed
		45.	The existing and future trunk infrastructure identified in the LGIP is adequate to service at least the area of the PIA.	Yes		Yes	Complies – The LGIP consists of existing and future trunk infrastructure that will have the capacity to adequately service urban growth within the PIA for next 10 - 15 years. This infrastructure has been planned at the DSS that can be funded with reference to Council's LTFF. The LGIP does not include existing stormwater trunk infrastructure as network planning is insufficiently developed to ascertain the extent of trunk networks.	N/A	LGIP may proceed
		46.	Is there alignment of the scope, estimated cost and planned timing of proposed trunk capital works contained within the Schedule of Works and the relevant inputs of the LTAMP and LTFF? If not, is there a process underway to achieve this?	Yes	The LGIP and LTFF (as adopted in June 2017) are generally aligned. Where they do not align, the intention is to align the LTFF as part of future budget reviews. Through future updates/development of LTAMPs and reviews of the LGIP, alignment between the LGIP and the LTAMP will be achieved.	Yes	Complies – While some inconsistencies in the scope, cost and timing of planned trunk capital works have been identified between the draft LGIP and the LTFF, these are generally explained through changes in planning between the two documents. Council have advised that they will continue to see improved alignment between the documents going forward.	N/A	LGIP may proceed
		47.	The cost of trunk infrastructure identified in the SOW model and schedule of works tables is consistent with	Yes	The SOW model used for the development of the LGIP is that provided by the State.	Yes	Complies – The costing approaches and application of	N/A	LGIP may proceed

			legislative requirements.		The model includes a cost breakdown (including contingency and on costs)		on-costs and contingencies in the SoW model and schedule of works tables are consistent with legislative requirements.		
	SOW model	48.	The submitted SOW model is consistent with the model included with the statutory guideline for LGIPs.	Yes	The States SOW model has been used in the development of the LGIP	Yes	Complies – Mackay Regional Council have utilised the State’s SoW Model attached to the statutory guideline for its LGIP.	N/A	LGIP may proceed
		49.	The SOW model has been prepared and populated consistent with the statutory guideline for LGIPs and its User manual for the SOW model.	Yes		Yes	The SoW model has been prepared and populated consistent with the Statutory Guideline and the SoW Model user manual	N/A	LGIP may proceed
	Extrinsic material	50.	All relevant background studies and reports in relation to the preparation of the LGIP are available and identified in the list of extrinsic material in the LGIP guideline.	Yes		Yes	Complies – All key background studies and reports in relation to the preparation of the LGIP are available and identified in the list of extrinsic material in the LGIP.	N/A	LGIP may proceed