THE CITY OF TEA TREE GULLY

› Technical Specifications

STREET FURNITURE

DESCRIPTION: BIN SOLAR COMPACTING

CODE: STF14 21/07/2026

APPLICATIONS	
	Regional
	District
	Neighbourhood
	Local
	Main Roads
	Local Roads

PERFORMANCE CRITERIA

Solar compacting bins must be durable, suitable for continuous outdoor use, resistant to vandalism, weatherproof, and designed to operate safely and reliably in public environments. Units must provide safe and easy user access, minimise pest access, and be clearly identified for the intended waste stream using Council-supplied signage and branding. All solar-powered compaction and monitoring components are to be securely integrated within the unit and protected from damage and unauthorised access.



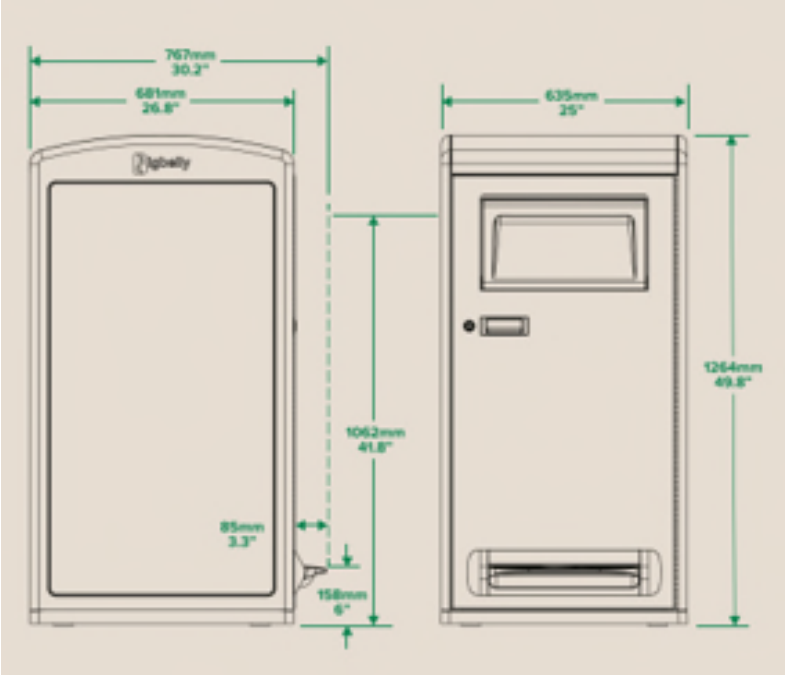
CITY OF TEA TREE GULLY

MATERIALS	Galvanized sheet metal steel interior and exterior construction Heavy-duty, recycled plastic side panels for dent and scratch resistance Leak-proof interior bin made of low-density polyethylene (LDPE) plastic
FINISHES	All external metal surfaces shall be factory finished with a durable, UV-stable powder-coated coating suitable for outdoor public environments. Finishes shall be resistant to corrosion, fading, chipping, scratching, graffiti, and general wear. Colours decals are to be as specified by Council: Side Decals – D26/46113 Rear Decals – D26/46114 Front Decals – D26/46115
COLOURS	Preferably dark plastics to suit Colour code Monument or Black
SIZE	The unit shall provide a compact footprint suitable for installation in public spaces while maximising waste storage capacity through solar-powered compaction. (refer to drawing page 3)
OPTIONS	Locking Mechanisms: Compactor Bins are locked with a supplier provided key, 8mm tri lock or magnetic slam lock. Multiple bins may be co located in various configurations – when this exists, approved decals are to be used to assist in waste separation.
INSTALLATION INSTRUCTIONS	Hidden fixings. Installation to be done by Supplier.
DDA (Universal design principles)	Universal design principles apply. Install on cement pad, where possible with sealed circulation space
MAINTENANCE	6 monthly pressure clean and 12 monthly service and check to be provided by approved contractor
ENVIRONMENTAL	
EXPECTED LIFESPAN / END OF LIFE REPLACEMENT	10-15 Years under normal operating conditions
FURTHER INFORMATION	The Supplier shall provide a digital management platform capable of monitoring bin performance and fill levels in real time. The platform shall include reporting functionality that enables the generation of performance metrics, fill level data, collection history, service activity, and other operational reports to support asset management and service optimisation. Upon completion of installation, notify the Council Waste Department to arrange delivery of the mobile garbage bin(s) into the enclosure and advise the waste collection contractor to ensure the enclosure is added to the scheduled collection service.
OTHER INFORMATION	Procure through the Council's current waste services contract where applicable. Consult the Waste Team to confirm any preferred supplier arrangements or existing purchasing agreements, and to ensure the team is aware of new bin locations or installations so the infrastructure can be included in ongoing servicing arrangements.

RELEVANT STANDARDS

AS 1428.1 and AS 1428.2 design standards which prescribe:
- DDA-compliant reach heights
- Clear approach paths and circulation space
- Low-resistance or lidless entry points

AS4123.7 standard for bin lid colours



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