9.2.2 Battery storage facility code

9.2.2.1 Application

This code applies to assessing material change of use development applications for development involving a battery storage facility use in all zones.

When using this code, reference should be made to section 5.3.2 and, where applicable, section 5.3.3 located in Part 5.

9.2.2.2 Purpose

(1) The purpose of the Battery storage facility code is to ensure that battery storage facility uses are designed, located and operated in a manner which:
   (a) maintains the amenity and aesthetic expectations of neighbourhoods and for the region; and
   (b) protects people, surrounding sensitive land uses and environments from adverse impacts.

(2) The purpose of the code will be achieved through the following overall outcomes:
   (a) the location, scale, setbacks, buffering and screening of battery storage facility uses are consistent with the character and amenity expectations of the applicable zone and surrounding neighbourhoods;
   (b) battery storage facility uses are appropriately located, designed, contained and separated to avoid harm or mitigate the risk of harm to people, surrounding land uses and environmental values;
   (c) ensuring forward planning for end-of-life disposal and site remediation measures for battery storage facility uses.

9.2.2.3 Assessment benchmarks

Part A—Criteria for assessable development

Table 9.2.2.1—Battery storage facility code

Performance outcomes	Acceptable outcomes
Design and Amenity	
PO1 Battery storage facilities: (a) are located, sited, orientated and designed (including internal battery cell spacing and separation) having regard to prevailing climatic site conditions; (b) provide design treatments, setbacks and screening to avoid aesthetic impacts of the facility where viewed from roads, nearby public spaces and surrounding land uses to protect the prevailing visual character of the locality; (c) avoid or mitigate amenity impacts to surrounding sensitive land uses from (but not limited to) noise, vibration, lighting and thermal emissions. Editor's note—climatic conditions can affect operational and maintenance requirements, as well as expected life of a battery storage system.	**AO1** No acceptable outcome.
Hazards and Risk Mitigation	
PO2 Battery storage facility uses are appropriately located, designed and separated to avoid harm or mitigate the risk of harm to people, surrounding land uses and environmental values by:	**AO2** No acceptable outcome.

Performance outcomes	Acceptable outcomes
(a) avoiding or where unable to avoid, minimise the risks of fire, explosion, thermal emission and containment release on and from the premises; (b) avoiding or where unable to avoid, mitigate the risks to the use of bushfire (including airborne debris), flood and vehicular impact; (c) providing a securely fenced and enclosed site, designed to incorporate crime prevention through environmental design principles; (d) facilitating effective and efficient fire and emergency service response in the event of a fire, bushfire, explosion, contamination leak or other incident triggering an emergency service response. Note—to demonstrate compliance with this Performance Outcome, the following information will be required, which may include (but is not limited to): • Consideration has been given to providing: o a perimeter access road to both the outside and inside of the security fence or enclosure of the facility; o multiple access and egress points to the facility, suitable for use by emergency services, emergency response and maintenance vehicles; o for movement of emergency services, emergency response and maintenance vehicles within the security enclosure and between module rows and having regard to entrapment risks; o buffers clear of vegetation of a type which would contribute to the risk of spread of fire to or from the facility. • Preparation of a risk management plan, fire and bushfire management plan and emergency plan. These plans are to be prepared by a suitably qualified and experienced person.	
End of Life and Site Remediation	
PO3 Battery storage facilities are designed to ensure forward planning for end-of-life disposal and site remediation measures.	**AO3** No acceptable outcome.