



Horsham  
District  
Council

# **Information to be provided for Battery Energy Supply System (BESS) Planning Applications**

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# Information to be provided for Battery Energy Storage Site (BESS) Planning Applications

		To include:
1.	Site Plans	Full site plans
2.	Outline Fire Strategy	<p><b>Legal requirements</b> To include appropriate standards and guidance documents (this can include for British and International documents)</p> <hr/> <p><b>Type of batteries and number in each enclosure</b> To include battery capacity in kW</p> <hr/> <p><b>Provisions for means of escape and early warning</b> To include provisions for means of escape and early warning site wide</p> <hr/> <p><b>Construction details of battery and any support enclosures</b> To include construction details for materials used and reaction to fire classifications</p> <hr/> <p><b>Site Spacing</b> Minimum site spacing achieved to buildings and site boundaries</p> <hr/> <p><b>Fire Compartmentation</b> Minimum fire compartmentation requirements with information on how this is to be achieved</p> <hr/> <p><b>Detection</b> Detection for fire and off-gasses with cause-and-effect information detailing how early detection and appropriate actions are instigated</p> <hr/> <p><b>Suppression Systems</b> Approved, suitable and tested suppression systems, type and any associated environmental impacts</p> <hr/>

		<p><b>Firefighting water supplies</b> Stating requirements for pressure and flow rates, water storage tank size, plus locations for hydrant outlets</p> <hr/> <p><b>Fire Fighter access</b> Access from two directions and roadway load limits together with swept path analysis to demonstrate it is adequate for fire service vehicles</p> <hr/> <p><b>Deflagration</b> Deflagration system proposed if necessary, ensuring risks to any nearby vegetation and residents and other businesses are minimized</p> <hr/> <p><b>Drainage</b> Drainage and prevention of contaminated firefighting water reaching water courses</p> <hr/> <p><b>Toxicity report</b> Toxicity report detailing the risks to fire fighters and residents /employees and decontamination requirements if there is a release of toxic gasses</p> <hr/> <p><b>Emergency and Response plans</b> Information on how Emergency and response plans are to be developed Taking into account:</p> <ul style="list-style-type: none"> <li>• How fire service will be alerted.</li> <li>• Safety for firefighters and other emergency responders</li> <li>• Access provision for vehicles</li> <li>• On site plans and information for detection and suppression.</li> <li>• Evacuation procedures, including for nearby residents and businesses.</li> <li>• Information on Dangerous goods that are located on site</li> </ul>
3.	<b>Maintenance regime</b>	requirements for installed equipment including detection and suppression systems.