

## LiFE Framework ratings and actions – Sustainable Construction & Renovations

Updated at 29 month check-in on 10<sup>th</sup> May, 2017 with all stakeholders.

Updated 8<sup>th</sup> Dec, 2017 with Champions Stephen Butt, Peter Eeles, Stephen Mitsch, Cheryl Honey, Barry Turner & Therese King.

Updates 20<sup>th</sup> June 2018

Policy and Strategy - LOW	Lead	Priority
<ol style="list-style-type: none"> <li>1. Develop policy on sustainability in Building, Design, Construction and Renovations to meet operational efficiency targets. – becomes a schedule that goes out with tender documents. Highest priority.</li> <li>2. Develop a <b>University-wide</b> master strategy for development principles that address principles of sustainable construction and renovation – ONGOING target for completion by end of 2018. Create time boundaries for main campuses.</li> <li>3. Develop <b>campus-specific</b> master strategy that address principles of sustainable construction and renovation - ONGOING target for completion by end of 2018</li> <li>4. Complete the strategic asset management plan – contingent on review occurring in Feb 2018. Asset maturity review may influence senior executive regarding preparedness.</li> </ol>	<p>Dir Facil Plan &amp; Dev</p> <p>Dir Facil Plan &amp; Dev – Manager Planning</p> <p>Dir Facil Plan &amp; Dev – Manager Planning ED DFM</p>	<p>A</p> <p>A</p> <p>A B</p>
<b>Best practice looks like:</b>		
<ul style="list-style-type: none"> <li>• The University has clearly articulated document/s detailing the university's planned direction and priorities for future building and maintenance projects</li> <li>• The document reflects the university's Sustainability Strategy and Carbon Management Plan, as well as wider policies/strategies on energy management, waste reduction, water conservation, sustainable procurement, whole life analysis, health and wellbeing and learning and teaching</li> <li>• The document is regularly reviewed to ensure it remains up-to-date with technological and design improvements and useful as a working document.</li> </ul>		
<b>Action Planning - MEDIUM</b>		
<ol style="list-style-type: none"> <li>5. Project briefing document templates to be modified to include a consistent approach to sustainability objectives (as is currently contained in the Project Mandate document template) – must be supported by Div of Finance must ensure the process generates ownership. (Links to procurement framework)</li> <li>6. Develop sustainability KPIs to be documented in the briefing documents – (Energy, water targets etc.)</li> </ol>	<p>Dir Facil Plan &amp; Dev and PRM</p> <p>Dir Facil Plan &amp; Dev with PD&amp;C and CSU Green Energy Manager</p>	<p>A</p> <p>B</p>
<b>Best practice looks like:</b>		

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<ul style="list-style-type: none"> <li>• The strategy includes a clear cycle of activity that is linked to wider targets to deliver progress on this agenda</li> <li>• Activity spans all appropriate parts of the university and widespread engagement is evident</li> <li>• There are clear links between the promotion of sustainable building design and construction and building use.</li> <li>• Actions and targets are evident and the university can trace these through the relevant planning systems.</li> <li>• Targets for building design, construction and maintenance are explicitly linked to wider environmental management, health and wellbeing and learning and teaching strategies.</li> </ul>		
<b>Stakeholder Engagement - MEDIUM</b>		
<ol style="list-style-type: none"> <li>7. Undertake a review/education of procurement terms and conditions to include sustainability requirements in consultation with key stakeholders. (linkages to procurement action plan)</li> <li>8. Initiate a biennial review process including communication mechanisms to ensure continuous improvement. (linked to above)</li> <li>9. Undertake Post Occupancy Evaluation processes and adequately involve stakeholders. (Building users and construction team) ONGOING opportunities to focus on sustainability outcomes during this process and to use the evidence generated to inform future decision making. Evaluations are an area of weakness. (E.g Bld 288 report and Port Mac).</li> <li>10. Develop opportunities for continuous engagement/educational opportunities for building users regarding the building functionality (e.g. mechanical services, waste, heating, recycling, printing etc.) The 'My building' concept.</li> </ol>	<p>Dir PRM</p> <p>Dir PRM</p> <p>Dir Facil Plan &amp; Dev</p> <p>Dir Facil Plan &amp; Dev</p>	<p>A</p> <p>B</p> <p>A</p> <p>A</p>
<b>Best practice looks like:</b>		
<ul style="list-style-type: none"> <li>• The individual and/or groups with responsibility for major capital projects seek meaningful dialogue with stakeholders</li> <li>• Dialogue commences prior to works, particularly where building occupants have been identified, and they should be included in conversations about expectations from the point of view of the user, and the point of view of sustainable design elements</li> <li>• Scrutiny of performance as part of the post occupancy evaluation will also occur</li> <li>• The links between sustainable design and construction, learning and teaching and social wellbeing are clear and demonstrated to stakeholders.</li> </ul>		
<b>Communications - MEDIUM</b>		

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<p>11. Undertake internal communication about the Operational Design Standard, master strategy and key documents where they exist and as they are made available. (to internal project teams) Part of annual review of standards (internal and external).</p> <p>12. Undertake external communication about the Operational Design Standard, master strategy and key documents where they exist and as they are made available. (Planning consultants potential contractors)</p> <p>13. Implement a standard approach to project communication sustainability aspects. (Standard template available - project reporting and site minutes.)</p> <p>14. Ensure that sustainability targets are understood and there is consistency achieved in implementation with the panel of preferred contractors – ONGOING Emphasise the benefits of sustainability aspects with contractors.</p>	<p>Dir Facil Plan &amp; Dev and Dir Operations</p> <p>Dir Facil Plan &amp; Dev and Dir Operations</p> <p>Dir Facil Plan &amp; Dev</p> <p>Dir PRM</p>	<p>A</p> <p>A</p> <p>A</p> <p>A</p>
<p><b>Best practice looks like:</b></p>		
<ul style="list-style-type: none"> <li>• Documentation detailing the University's approach to sustainable design and construction are in the public domain</li> <li>• A co-ordinated approach to communicating these principles to appropriate audiences is evident</li> <li>• The university will begin stewarding relationships with product and service providers/contractors to foster cooperative relationships in order to achieve sustainable building design, construction and maintenance</li> </ul>		
<p><b>Training and Support - MEDIUM</b></p>		
<p>15. Implement a greater number of informal training session to allow for skills transfer across relevant staff</p> <p>16. Continue our annual operations review of sustainability projects.</p> <p>17. Continue the Seminar Series has targeting sustainability.</p> <p>18. Continue ensuring that all EDRS plans have a sustainability objective.</p> <p>19. Further develop the training register so that skills and knowledge available among existing team members is recognised and utilised</p> <p>20. Determine what sustainability capabilities are needed and how these can be gained.</p>		<p>A</p> <p>B</p>
<p><b>Best practice looks like:</b></p>		
<ul style="list-style-type: none"> <li>• Responsibility for managing and/or delivering a sustainable building project is clearly defined within the role specification of at least one individual on campus</li> <li>• Those with associated responsibility for project delivery have this clearly defined within their performance objectives and review processes</li> <li>• Appropriate support mechanisms can be easily identified, as can training registers of any relevant training provided or undertaken by staff and/or contractors.</li> </ul>		
<p><b>Implementation- MEDIUM</b></p>		

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<p>21. Develop structured approach to communication with staff &amp; students to promote initiatives</p> <p>22. Build on the improvements made to date. Ensure each new student cohort is captured and engaged in the process.</p> <p>23. Develop a post occupancy evaluation process</p> <p>24. Establish recognition for those who provide sustainability-focussed feedback</p> <p>25. Develop student competency via the Graduate Learning Outcomes – Sustainability - The Engineering Building at Bathurst provides the optimum platform for contributing towards this action.</p>	<p>A</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p>	
<b>Best practice looks like:</b>		
<ul style="list-style-type: none"> <li>• The sustainable design and construction principles and plans are apparent through the University's built environment</li> <li>• There are obvious signs of activity promoting sustainable building design, construction, maintenance and use</li> <li>• The University is externally recognised through media or community engagement or has won relevant awards</li> <li>• Investment of time, finance and personnel reflects the university's commitment to implementing all sustainable building projects. Sustainable building design, construction, maintenance and use are considered appropriate topics for induction training for key stakeholders on an annual basis</li> <li>• Regular feedback is sought from all stakeholders, which is fed into all review processes and considered for future planning.</li> </ul>		
<b>Measurement - MEDIUM</b>		
<p>26. Develop a formal life cycle costing model to be applied to all construction and renovation projects</p> <p>27. Develop framework for undertaking post occupancy evaluations and apply consistently across all future completed projects</p> <p>28. Develop and adopt a single evaluation process or template.</p> <p>29. Develop sustainability KPIs to support the monitoring and evaluation of sustainability targets in construction and renovation</p> <p>30. Ensure operational KPIs are aligned with sustainable building operating targets</p>	<p>A</p> <p>A</p> <p>A</p> <p>A</p>	
<b>Best practice looks like:</b>		
<ul style="list-style-type: none"> <li>• A commitment to measuring and improving the impacts and benefits of engagement is embedded into the University's principles and practice</li> <li>• There are community links and initiatives to maximise awareness and engagement</li> <li>• The university works closely with product and service providers to develop new practices and products using the University's experience, knowledge and research capabilities</li> <li>• There is measureable progress towards set targets and objectives which is communicated publicly and regularly.</li> </ul>		
<b>Links to curriculum – HIGH</b>		
	<b>LEAD</b>	<b>PRIORITY</b>

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<p>31. Engage Course Directors to determine appropriate opportunities for two-way communication</p> <p>32. Develop guidelines to inform the development of relevant and appropriate projects that can provide linkages to curriculum - Engineering Building at Bathurst provides the optimum platform for contributing towards this action.</p>		<p>A</p> <p>B</p>
<b>Best practice looks like:</b>		
<ul style="list-style-type: none"> <li>• Formal and informal curriculum refers to the sustainable design and construction where appropriate</li> <li>• Support is readily available for curriculum leads on how such activity can be linked to learning and the broader student experience</li> <li>• Development of research projects around sustainable design and construction are supported and pursued</li> <li>• Innovation and enterprise relationships are developed with local and national service providers and wider businesses</li> <li>• Funding is sought to further develop sustainable building design and construction best practice and process.</li> </ul>		

	Policy and strategy	Action planning	Stakeholder engagement	Measurement	Communications	Training and support	Implementation	Links to curriculum
Aug-15	low	med	low	low	low	med	low	high
Jun-17	low	med	med ↑	med ↑	med ↑	med	med ↑	high
Jun-18								