

2017

## Las Vegas: Innovation Jury Feedback

Solar Decathlon Jury

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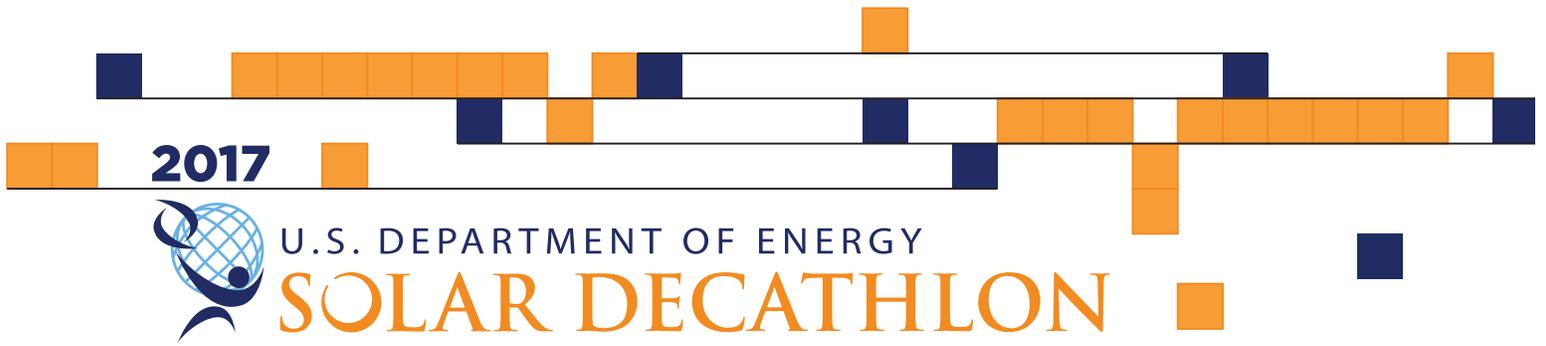
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## Las Vegas INNOVATION JURY FEEDBACK

10/13/2017

Hello Las Vegas,

Please find below some brief comments and feedback provided by the Innovation jury for Solar Decathlon 2017. Note that this feedback is meant to be illustrative of their thoughts, but is not, and cannot be, comprehensive. The jury's ultimate decision and scoring result from a compedium of information and considerations, both of your pre-event jury deliverables and the on-site project and tour.

As juries are inherently subjective, the Solar Decathlon organizers are not able to provide further clarification or feedback beyond what is included here. Similarly, as indicated in Rule 2-9: Protests, the opinions of a jury cannot be protested. Only factual errors and mistakes may be protested.

Thank you for all of your work and continued engagement in this project.

Joe and the Solar Decathlon Organizers



# Las Vegas INNOVATION JURY FEEDBACK

10/13/2017

Development of heat exchanger coupled with R&D with target market was strong. The narrative also clearly showed engineering research. This house showed clear understanding of universal design. Celebration of the solar collector and the mechanical pod as a modular unit. PCM based ERV was impressive. The best application of PCM the jury has ever seen. Mechanical ERV system is incredibly creative, the AR/VR application for prototyping as well as longer term implementation, the motorized counter, the outdoor design space, the student designed/built software app and voice control clearly solved a problem for the target market and showed both design and engineering excellence. They elevated ADA compliance and made it an integral design feature instead of an afterthought. Exemplary innovative showcase of ADA integrated design. The safety of the occupant was well thought out, from the convertible space for the caretaker as well as the communication system and integration with medical equipment. The jury felt innovative strategies were executed seamlessly and have game-changing implications in the residential market. The Jury was also impressed by the knowledge and presentation of the team.

In accordance with the Rules, Appendix B-1, Phase 3: Deliberation, the jury considered the following 4 classes for the evaluation criteria. Occasionally, the jury may have chosen not to leave a class-rating for a particular criteria. The use of classes was entirely optional by jurors.

- Class #1: ECLIPSES contest criteria 91% – 100% of available points
- Class #2: EXCEEDS contest criteria 81% – 90% of available points
- Class #3: EQUALS contest criteria 61% – 80% of available points
- Class #4: APPROACHES contest criteria 0% – 60% of available points

**Team Name**

Las Vegas

- To what extent did the team use research processes to develop or decide on design solutions?
- How successfully did the team utilize discovery, prototyping, analysis, and collaboration in the design process?
- How well does the team integrate sustainable design, detail, product, and performance decisions into the competition prototype house?
- To what extent does the team holistically integrate passive strategies, materials selection, life cycle, and local strategies to maximize sustainability?
- To what extent does the design utilize innovations or innovative approaches to satisfy an existing market need or desire?
- To what extent do the innovations have immediate and long-term environmental, social, cultural, and commercial potential?
- To what extent does the team utilize holistic active and passive solutions with regard to the livability of the house?
- To what extent does the design solution utilize new, unique, or atypical technologies that improve upon the status quo?
- To what extent does the design solution utilize new, unique, or atypical technologies that improve upon the status quo?
- To what extent does the team’s approach to innovation relate to the team mission, strategies, or goals?
- To what extent will the innovations endure relative to the anticipated life cycle of the house?
- To what extent do the innovations improve or maintain the safety of occupants of the house?

Eclipses
Exceeds
Eclipses

