



## 2018 SMART COMPETITION

### KEY DATES

[WWW.SMARTCOMPETITION.ORG](http://WWW.SMARTCOMPETITION.ORG)

#### COMPLETE COMPETITION AND REGISTRATION INFORMATION IS AVAILABLE ON THE WEB.

The SMART Competition is a high school STEM and CTE education program designed to challenge students to develop solutions to a real-world campus redesign project. The solution will include applications of sustainable materials, renewable technology, environmentally relevant design, localized power generation, the smart grid, power distribution and delivery, electric vehicles, architecture and green building design. The ultimate goal of the program is to create student interest in pursuing STEM related careers, higher education and university studies in a variety of technical disciplines.

The competition is open to all high school students enrolled in public, private, parochial schools, home-based schools, clubs and sponsored educational entities. The competition will not discriminate or demonstrate bias due to academic performance level, ancestry, color disability or handicap, national origin, race, religion, gender or appearance.

#### COMPETITION KEY DELIVERABLES AND DATES

Date	Competition Element	Team Deliverables and Submission Information
Sept 12, 2017 to Jan 30, 2018	Registration	<ul style="list-style-type: none"> <li>❖ Complete your team on-line registration</li> <li>❖ Obtain account information, Activation Code and Project Wise Username and Password</li> <li>❖ Enroll in Bentley Student Server and download software</li> </ul> <p><b>NOTE: All competition deliverables will be placed in the team ProjectWise folder</b></p>
February 27, 2018	Baseline Energy Audit	Calculate the building and facility energy use. The Baseline Energy Audit report must be added to the team ProjectWise folder.
March 10	Second Energy Audit	After completing the energy related modifications to the gymnasium complete the second Energy Audit and compare the results with the original audit results. The Energy Audit report must be added to the team ProjectWise folder.
March 15	Visualization	Upload the graphic visualizations of the gymnasium and the campus. These can be in any of the three formats described in the Smart Competition Guide and Software Tutorial document



March 20	Design & Impact Report and analysis	Author the Design & Impact Analysis based on results from changing building materials, configuration, landscaping and the results of the energy audit. The Impact Analysis should also provide an assessment of the energy provided to the campus by the renewable power generation that has been added to the campus and the impact of the net energy yield on the community's smart grid. The Design & Impact Report must be added to the team ProjectWise folder.
March 24	Submit Presentation and Logbook	Using the Power Point presentation template provided, submit the slide deck the team will use for the team presentation. The Presentation must be added to the team ProjectWise folder.
March 25	All Submissions due	All team deliverables and data files are completed and filed in team ProjectWise folder
April 1 – 30	Team Presentations	
May 1 – 7	Winner Notifications	

