

## BIKE TO THE FUTURE FAQ

**What do you mean by 650 watt-hour max for the battery?** For the battery, the measurement for the maximum of 650 Wh is based on the nominal voltage. Thus, calculating the battery's watt hour based on the nominal voltage and amp hours of the 18650 cells you team would use. We understand that the peak power is variable and can go over the 650 watt-hour limit based. Thus the 650 is for the total watt-hours for the battery.

**Why do these challenges all have weird names and references?** \*not a frequently asked question but good to note. Bike to the Future is based on the 1980's Steven Spielberg movie Back to the Future and the references and challenge names are based on the movie. Feel free to watch the movie for your own enjoyment – but note that watching the movie won't give teams an extra advantage in the competition.

**Who can pedal in the Marty McFly By Acceleration?** Pedal assist bikes are able to pedal the entirety of the acceleration portion of the competition. Throttle bikes will be allowed two pedals only to start accelerating in the competition.

**Who can pedal in the Battery Flux competition?** While the rules are the same for the Battery Flux as the McFly By Acceleration in that pedal assist bikes are able to pedal the entirety of the challenge and throttle bikes are only allowed two pedals to start. Pedal assist bikes and throttle bikes will be in two different categories for this competition. There will be winners for the pedal assist bikes and separate winners for the throttle bikes. The groups of winners will be proportionate as to how many bikes of each time are in each grouping for the competition. Teams are only able to compete in one of these categories despite if their bike may qualify to compete in both.

**Can our team have a power supply for other components of the bike?** Teams are allowed to put an additional power supply for other components of the bike that is not meant to supply power to the motor. This additional power supply does not have to be built from scratch if it is not powering the motor.

Please reach out to [colleen.mccamy@svcleanenergy.org](mailto:colleen.mccamy@svcleanenergy.org) for any additional questions or concerns.

