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Respondent

5

BILL Waltz

06:20

Time to complete

1. Today's Date *

9/25/2025



2. Your Name *

Bill Waltz

3. Your Email Address *

wwaltz2@illinois.edu

4. Project Name (exactly as it was named on the original Award Letter) *

Illini Solar Car - Project D

5. Date (or semester/year) of project's original award *

April 29th, 2025

6. Current expiration date of award *

You can find this information on your original Award Letter or Scope Change Approval Letter (whichever is most recent).

April 29th, 2027

7. What is your project's 6 digit fund account number created for this project and to which the SSC allocation was transferred?

Please ask your project's financial contact for this information if unknown.

302571

8. Enter the amount of the award, including any budget increases as a result of a previous Scope Change. *

\$129,479.00

9. How much (in dollars) of your award (including previous approved budget increases) is remaining? *

\$115,345.84

10. Briefly describe the goals of your project. *

The goal of our team is to build and race our fourth generation solar electric vehicle, code named "Project D". We do this to accomplish our mission of building the world's best solar electric vehicle, winning international competitions, and ultimately spreading sustainable thinking. The design of this car addresses the shortcomings of our previous car, Calypso, and its expedited, yet precise, manufacturing process will ensure that our team's greatest car is ready to race at the 2026 American Solar Challenge. Following 2026 ASC, we will spend a year fine-tuning "Project D" so that it is ready to race in the 2027 World Solar Challenge, the epitome of solar car racing: our goal, as always, is to win 2027 WSC.

11. What has been completed on your project so far? *

We have machined the molds for our car and are in the process of doing composite layups that will create the top and bottom shell for our car. We've implemented revised versions of our PCBs and also a more efficient motor controller. We've finalized our mechanical designs, along with choosing our battery and array cells, for which assembly will begin this semester.

12. Have you submitted one or more required Semester Project Reports for this project prior to this Scope Change request? *

NOTE: Timely submission of Project Reports are required to remain in compliance with the Terms and Conditions of your award.

☒ Yes

☐ No

13. Type of Scope Change requested (select all that apply) *

☐ Budget Increase (Net Additional Funds, Only)

☒ Project Direction

☐ Project Timeline

14. How much additional funding (in dollars) are you requesting? **NOTE: This amount should only reflect the ****NET ADDITIONAL**** amount you are requesting from SSC. If you are only changing individual items in your budget but do not require ADDITIONAL funds from SSC (i.e., beyond that of your award), please complete the Project Direction section instead.** *

Enter N/A if not applicable

N/A

15. Provide a *detailed* explanation for the requested Budget Increase. Your explanation should include details about how much money would be spent on which items and why. **NOTE: If your requested budget increase is approved, a SSC scope change agreement will be generated for you to sign.** *

Enter N/A if not applicable

N/A

16. Provide a detailed explanation for the requested change in Project Direction. *

Enter N/A if not applicable

After preliminary testing of some composites and aerodynamics, the optimized geometry of the vehicle has been decided upon. In addition, the presumed required quantities of certain composite materials have been modified to better match this optimized geometry of the new vehicle. We now know that we need more advanced composites components: wood (for ease of storage and transport of our molds), glue, putty, space heaters, oven parts, adhesives, trim tools, and materials for further testing.

Though we have not yet, we are hoping to use our position in time, having just won the Formula Sun Grand Prix this past summer, to secure more sponsored resin and carbon fiber materials, in the case that we can reallocate some of our funding from these sponsor-able materials to instead fund our new focus on composites work, and fund the safety materials needed to work with composites.

17. What is your new proposed project completion date? **NOTE: If your approved new proposed completion date is beyond the original award expiration date, a SSC scope change agreement will be generated for you to sign.** *

Enter N/A if not applicable

N/A

18. Provide a detailed explanation for the requested change in the Project Timeline *

Enter N/A if not applicable

N/A

19. Please complete the Scope Change Budget and Timeline spreadsheet (link to file is below) and upload the updated version here.

Download the file here: <https://studentengagement.illinois.edu/sites/default/files/2024-09/SSC-Budget-Timeline-SCOPE-CHANGE-template.xlsx>

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 [REALLOC-SSC-Budget-Timeline-SP25 BILL Waltz.xlsx](#)