

View results

Respondent

3 BILL Waltz

02:47

Time to complete

1. Date of this semester progress report submission *

2025-12-19

2. Name of project exactly as it was listed in your award letter *

Illini Solar Car - 4th Generation Solar-Electric Vehicle

3. Date (or semester/year) of original award letter *

2024-11-21

4. Date of expiration listed on award letter (or on scope change approval if more recent) *

2026-11-21

5. Enter the total amount of the award, including any budget increases as a result of a previous scope change. *

\$100,425.58

6. 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.

No answer provided.

This question is required.

7. How much of your award has been spent to date (in dollars)? *

\$14,758.80

8. Date of forecasted project completion *

2026-06-10

9. Have you submitted one or more semester progress reports previously? *

YES

NO

10. Describe, in detail, what has been completed on the project since the last semester progress report (or since the project commenced if you have not yet submitted a semester progress report)? *

We've made a lot of really good progress this semester into preparing our battery pack. We purchased 600 cells and have spent much of the fall semester characterizing each and every one of these cells so we can pick the most optimal set of cells for our battery pack. We've recently finished this characterization phase, and moving forward to the spring semester we will begin spot welding our battery pack. We plan to have this completed by the middle of spring semester.

We have also finalized our choice of solar cells and the layout for our solar array. We will soon be ordering these cells and having them professionally encapsulated.

We have also done a lot of work manufacturing the shells of the car. This started with making the foam molds, getting those machined and then a lot of hand labor to make them smooth and ready for a layout. We completed the intermediate mold layout and are ready to form the final shells at the start of next semester.

Designing the interior components of the car is ongoing and components will be assembled onto the car next semester.

11. Describe, in detail, the project's challenges/obstacles since your last semester progress report (or since the project commenced if you have not yet submitted a semester progress report)? *

N/a

12. Describe, in detail, the project's successes since your last semester progress report (or since the project commenced if you have not yet submitted a semester progress report)? *

We successfully finished battery cell characterization this semester, as well as machined our plugs and laid up our intermediate molds for top shell, bottom shell, and monochassis.

13. How many students and how many non-students have been impacted by your project, thus far, and how? *

No answer provided.

This question is required.

14. Did your project have any changes to its team that SSC should know about (e.g., project lead, faculty/staff advisor, departmental financial contact)? *

NOTE: If yes, please ALSO complete the SSC Project Contact Information Change Form located at this link: <https://forms.office.com/r/uBjx9nmNpG>

YES

NO

15. (OPTIONAL FOR SEMESTER REPORT) Upload project marketing and/or media not previously submitted in semester progress reports.

NOTE: Project marketing and/or media must include SSC's logo and/or a statement of which fee(s) funded the project.

No answer provided.

16. Complete and upload the semester financial documentation for your project. You should reflect all expenditures since your last semester project report. We strongly suggest that you also upload supporting financial documentation from Banner for your award CFOP. NOTE: When your project is completed and/or expired (whichever comes first), any remaining project funds will be transferred back to the SSC.

<https://studentengagement.illinois.edu/sites/default/files/2024-09/SSC-Budget-Timeline-SEMESTER-PROGRESS-REPORT-template.xlsx>

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