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Respondent

10 Derin Sozen

25:08

Time to complete

1. Today's Date *

4/21/2025



2. Your Name *

Derin Sozen

3. Your Email Address *

dsozen2@illinois.edu

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

Illini Electric Motorsports - High Efficiency EV Racecar.

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

Fall 2026

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).

11/21/2026

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

107,724.87

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

\$86,757.14

9. Briefly describe the goals of your project. *

Every year Illini Electric Motorsports fully designs, builds, manufactures, and race an electric formula-style car. Every component of the car is sourced, designed, and manufactured by students. We are judged on the power efficiency, raw performance, reliability, and design of our vehicle. Our team consists of 497 members. Since we fully design our own powertrain, members learn the intricacies of developing, building and testing a performant and efficient electric vehicle including the battery pack, motor controls, software, carbon monocoque, and more. Our current project is centered on building a new version of our electric vehicle that incorporates advanced autonomous integration, as the existing model lacks self-driving capabilities. This new design will feature a more aerodynamic body to enhance overall efficiency and performance. Additionally, we aim to implement a regenerative braking system that recovers energy during braking, optimizing energy usage.

10. 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

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

- ☐ Budget Increase (Net Additional Funds, Only)
- ☒ Project Direction
- ☐ Project Timeline

12. 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](#)

0

13. Provide a detailed explanation for the requested Budget Increase. *

[Enter N/A if not applicable](#)

N/A

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

[Enter N/A if not applicable](#)

Our goals in the project remain exactly the same, but we are asking to change the category allocation of funds to a) adapt to changing tariffs situation in the global economy, making cuts in other categories to accommodate the unexpected increase in cost of certain categories that are more mission critical portions of our budget. We have also added a new category for high efficiency wheels which will have a massive impact on making our vehicle. At the date of the grant award, we were uncertain of the supplier's ability to deliver the high efficiency wheels on time but we have now solidified that, allowing us to improve our vehicle's efficiency dramatically.

We have also included a request to allocate funds towards a freezer, previously we had relied on CML's access to a freezer but due to new rules changes we have now lost access to it and lack some of the tools to make critical components on the vehicle without it.

15. What is your new proposed project completion date? *

[Enter N/A if not applicable](#)

N/A

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

[Enter N/A if not applicable](#)

N/A

17. 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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 [SSC-Budget-Timeline-SCOPE-CHANGE-template_Derin Sozen.xlsx](#)