



Motion Regarding Approval of the Formula Electric Funding Application 2022-12-01

Submitted for: 2022-12-01

Submitted to:	SSMU Legislative Council	Document no.:	LEG-PUB-MOT-2022-12-01-005
Moved by:	Benson Wan <i>Medicine Representative</i>	Current Status:	<input type="checkbox"/> FOR APPROVAL <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> POSTPONED <input type="checkbox"/> COMMITTED <input type="checkbox"/> NOT APPROVED
Seconded by:	Nadia Dakdouki <i>Clubs Representative</i>		

Issue

Formula Electric, a campus student group under the EUS, is an organization that designs, assembles, and races an electric car each year. They submitted an application for \$30,000 for car materials. As per the IRs of Finance, any application that exceeds 15% of the total fund available per semester must be approved by Legislative Council.

Background and Rationale

The Internal Regulations of the Society's Finances state:

5.1. Ratification

Funding applications approved by the Funding Committee shall go to Legislative Council for ratification only:

- a. If an application approved by the Funding Committee exceeds 15% of the total fund available for that term; or
- b. at the discretion of the Funding Committee and/or Funding Commissioner. Otherwise, Funding applications shall only need approval from the Funding Committee.

The Campus Life Fund currently holds \$199,918.70. The mandate of the Campus Life Fund is:



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“The Campus Life Fee is intended as a source of financial assistance for Initiatives taking place on or near campus, including but not limited to projects, events, conferences, publications, and productions of an academic or social nature. The Campus Life Fee also recognizes the contribution of athletic programs to the McGill community and shall, where applicable, offer financial assistance to such endeavors. When assessing Campus Life Fee requests, the Funding Committee must be satisfied that the initiative’s objective will contribute to the betterment of campus life.”

Funding the activities of Formula E would contribute to a project of academic nature and to the betterment of campus life by furthering the activities of students involved in that initiative.

McGill Formula E also historically has a reputation for high achievement in the Formula E circuit and providing the requested funding would allow that legacy to continue.

The Campus Life Fund has a surplus from unused funding during the past two years impacted by COVID-19 which was carried over into this current funding year. Therefore, providing this funding to Formula E would not be a burden on the Society or the capacity of the Campus Life Fund.

Alignment with Mission

As this project provides a unique experience for students, it aligns with the Society’s mission to provide social and personal opportunities to McGill students. The project also fulfills the mandate of the Campus Life Fund as stated above.

Consultations Completed

The Funding Committee and Funding Commissioner were consulted before bringing this motion. The Funding Committee voted to approve the application, though of note this was not a unanimous decision. However, the Funding Committee does not require a unanimous decision to accept funding applications, and if the sum requested was less than \$30,000 (ie: not exceeding 15% of the total fund for the term), the application would have been accepted.



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Risk Factors and Resource Implications

The amount being asked, \$30,000, is a significant amount of money, and many smaller initiatives could be funded using this sum. The use of funds now, in the Fall semester, in theory may pose the risk of other relevant Campus Life Fund applications applying in the Winter semester not having funding available due to the depletion of the fund.

However, based on previous years' funding disbursements and current projections, it is unlikely that the Campus Life Fund will be depleted. Additionally, there is a surplus of fund from previous years (as described above). Thus, this motion poses very little risk to future funding applications.

Sustainability Considerations

Since the car is electric, this funding would contribute to the greater move towards environmental sustainability on a campus and greater global scale by investing in design and planning of an electric vehicle. However, the group builds a new car every year, which requires a consistent production of resources. This motion would also lead to the continuation of a long standing club at McGill, contributing to the social sustainability of student groups on campus.

Impact of Decision and Next Steps

If approved, the funding application will be approved and the funding amount will be disbursed to the group.

The Funding Commissioner will process the application and inform Formula Electric.

Motion or Resolution for Approval

Be it resolved that the Legislative Council approves the Campus Life Fund application #6228 submitted by Formula Electric for \$30,000.

Results of the Vote

In favour	(UNANIMOUSLY APPROVED)
Opposed	()
Abstain	()



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Appendix A : Relevant Appendix

Student Group Name

McGill Formula Electric

Type of Group

On Campus Student Group

Group's Mandate

McGill Formula Electric Team is a group of undergraduate students that designs, builds and races a formula-style electric prototype with a full CFRP monocoque. The team strives to understand, develop, and implement the latest in green technology to produce the most competitive electric prototype and to prepare our members to enter the workforce equipped to engineer a more sustainable future. Each summer, we attend multiple competitions, including the Formula SAE Electric Competition, Épreuve Électrique de Québec, the University of Toronto Shootout, and the Pittsburgh Shootout. We pride ourselves on the diversity of our members and their knowledge. We are composed of over 319 students, not only engineers, but also students in arts, management, and science. Our diversity allows us to be involved with, relate to, and appeal to a wide variety of students and industries, thereby spreading our knowledge and passion for green technology.

Funds Available

Campus Life Fund

Requested Amount

30 000



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Retroactive or Proactive?

Proactive: event/project has not occurred yet

Description

As previously mentioned, our team designs and builds from scratch a new fully electric race car every year on campus. Our team plans to design and manufacture a completely new carbon fibre monocoque this Fall and Winter semester. This monumental task is completed with the combined efforts of 319 students from multiple faculties. This year, we have added 2 additional that involve integrating carbon fibre into our design which will give even more opportunities for members to get involved. Students will be given the opportunity to work hands-on with composite materials, learning manufacturing techniques and composite design theory while they do. Manufacturing tutorials will be held where student members will be taught the basics of composite design as well as some composite manufacturing techniques and processes. Work sessions will also be held for members to help in the building of our chassis, here they will be able to put to work the manufacturing techniques that they learned in tutorials. The material and machining for this undertaking are expensive, and despite over \$100 000 worth of in-kind curing sponsorship we still must purchase materials and pay machining costs with our own budget. With the support of the Campus Life Fund, we will be able to purchase everything required for manufacturing, as well as fund some of the required machining. Throughout the manufacturing process from November to April, our members work around the clock watching their designs come to life. This is also the time when new members learn in detail the design and manufacturing process of innovative technologies for the automotive industry. Having the opportunity to manufacture a custom design is an incredible experience for our team members, and is one of the most important learning aspects of our team.

Event Accessibility Information



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Our group includes members across many different faculties across campus including engineering, science, and business. We strive to be the most inclusive as possible and encourage members from all types of different backgrounds. We have no application or interview process to join the team, anyone who wants to take part is welcome to join and learn along with us! As mentioned previously, our team must travel to various different competition sites to participate, going as far as the United States. This means our team travels by car as we must tow our race car to the different sites. Our team does its best to accommodate all members who wish to travel with us and participate in competitions by helping members financially and supporting international students while they get necessary Visa's or security checks.

Event Budget Spreadsheet

 [Project-Specific-Budget MFE-Carbon-Composites-1.xlsx](#)

Annual Budget Spreadsheet

 [MFE-2022-2023-Budget-SSMU-Template.xlsx](#)

Quotes/Receipts

 [MFE Invoices CampusLife.pdf](#)

Student Group/Club

McGill Formula Electric

Account Number

1041425



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Transit Number

03831

Routing Number

000303831

Applicant Email

fsae@mail.mcgill.ca

Mailing Address

3480 Rue University
#7
Montreal, QC
H3A 0E9
CA

Additional Information

Note that we are submitting last year's invoices to justify our price estimates of carbon composites as most material has not been purchased yet nor do we have quotes yet. See the annual budget for a detailed breakdown of every subsystem and which ones involve carbon composites.

Event Declaration Number

N/A

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Submission Statement

I confirm that all the information and supporting documentation is accurate to the best of my knowledge.

Submission Statement #2

I confirm that I have read and understood the most recent SSMU Funding Guidebook.

Date of Application

10/20/2022

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Bank Balances	Opening balance	0	
	Target closing balance		0
Funding	Membership Fees	10000	
	DTFC Fall	8000	
	SIF	9000	
	DTFC Winter	7000	
	HAAS Sponsorship	2500	
	AUS Funding	1000	
	Corporate Sponsorship	10000	
	Seeds of Change	10000	
Fundraising	MFE Party	500	
Subteam Expenses	Accumulator		23,230.00
	Aero/Cooling		15,250.00
	Carbon Rims		5,750.00
	Chassis		21,500.00
	Cockpit Controls		3,506.35
	Drivetrain		17,800.00

Sample Event/Project-Specific Budget - Carbon Composites Workshop

General Category	Specific Entry	Projected Revenues	Projected Expenses
Gurit	Gurit Order 1		\$11,000.00
	Gurit Order 2		\$11,000.00
Freeman	Freeman Order 1 (Renshape)		\$17,000.00
	Freeman Order 2 (Glue)		\$400.00
Funding	MESC/EUS	9000	
	Totals	9,000.00	39,400.00
	Total Revenues	9,000.00	
	Total Expenses	39,400.00	
	Surplus(deficit)	-30,400.00	