

McMaster Solar Car 2024-2025 Year

Full Club Name	McMaster Solar Car Project
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Date Prepared	Jul 26, 2024
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Total Cash Available for the Year

Carryover

1	Beginning Balance (As of May 1, 2024)	\$		42,732.18
2	Outstanding Costs from Previous Year	\$		-

Revenues

Revenues: Non-Events		Projected	Actual	Comments
	MSU Funding Requested	\$ 32,481.75		<-- based on 2023-2024 funding
	Sponsorships	\$ 12,000.00		
	MES funding	\$ 3,000.00		<-- based on 2023-2024 funding
	Engineering Faculty funding	\$ 18,000.00		<-- based on 2023-2024 funding
3	Total Revenues	\$ 65,481.75	\$ -	
4	Total Cash Available for the Year (1-2+3)	\$ 108,213.93	\$ 42,732.18	

Total Expenses for the Year

Expenses

Expenses: General				
	Maintenance and business expenses	\$ 4,000.00	\$ -	Banners, Stickers, Merch, competition regulation mandated team shirts, trash removal for workspace cleaning
	10% electrical contingency	\$ 1,566.40	\$ -	10% of electrical vehicle spending as contingency
	10% mechanical contingency	\$ 4,820.71	\$ -	10% of mechanical vehicle spending as contingency
	Team bonding events	\$ 500.00	\$ -	for food and drinks during general meetings
	2024 ASC & FSGP Expenses	\$ 12,698.84	\$ -	Rental costs of vehicles, gas money, living space rental costs, other operational expenses such as tool rentals
	2025 ACE Manifest Paperwork	\$ 7,134.98	\$ -	Non negotiable fee to transport vehicle to the USA
	2025 FSGP Registration	\$ 8,323.92	\$ -	Non negotiable fee to competition registration
Expenses: Projects & Events				
General Electrical				
	PCB manufacturing	\$ 2,163.99	\$ -	for PMS, LV, PC, DDISP, CAN and DAQ boards
	Electronic Components	\$ 1,000.00	\$ -	surface mount components for all PCBs
	MPPT	\$ 1,500.00	\$ -	Battery Management System
	Battery	\$ 1,000.00	\$ -	Battery box, spare batteries, bus bars, wires
Motor and Solar Cells				
	Solar Cell Encapsulation	\$ 10,000.00	\$ -	Replacement solar cells for top aeroshell panel
Suspension				
	Steering	\$ 1,500.00	\$ -	Steering system
	Front Suspension	\$ 5,411.86	\$ -	front suspension manufacturing (material + CNC)
	wheel rim	\$ 15,000.00	\$ -	Wheel rim CNC
	Breaking	\$ 3,800.00	\$ -	Breaking material and tooling
	Tools	\$ 1,000.00	\$ -	general assembly tooling
	Rear suspension	\$ 6,000.00	\$ -	rear suspension manufacturing (material + CNC)
Aeroshell				
	Aeroshell CNC	\$ 2,500.00	\$ -	Top aeroshell mold CNC costs + material costs
	Aeroshell Stickers & Wrap	\$ 2,000.00	\$ -	aeroshell wrap, sponsor logos
	Interior & exterior manufacturing	\$ 3,000.00	\$ -	internal panels, dashboard, door panels, mudflaps
	3D printer supplies	\$ 800.00	\$ -	3d printing filament
	Composite Tooling & Materials	\$ 1,500.00	\$ -	carbon fiber, resin, toolings, fiber glass
Chassis				
	Front and Rear Chasis Manufacturing	\$ 5,695.20	\$ -	front and rear crash box manufacturing
5	Total Expenses	\$ 102,915.90	\$ -	

Ending Balance

Ending Balance (4-5)	\$ 5,298.03	\$ 42,732.18	
Projected vs. Actual Variance	\$	37,434.15	SURPLUS