

- NuMI-AIP has **reached its goal of One Megawatt** capability.
- The **2020 shutdown has been challenging yet successful** – the team was ambitious in taking on multiple large scale changeout / installation tasks in a pandemic. It was indeed an outstanding achievement!
- This **project is 90% complete**, and the remaining ~\$1.2 ML fund should be enough to cover a few activities for reliability improvements through next shutdown.
- Sincere **thanks** to everyone for your support and contributions in the past two years, especially those who had been on site for the NuMI installation and troubleshooting from mid-June to mid-December.
- **Wishing you a very safe and happy holiday season.**

Directive Milestones	Baseline Date	Actual Date	% Complete
Start Project	NOV-18	DEC-18	100
Horn 1 Final Design	APR-19	APR-19	100
Target Fabrication	MAY-19	AUG-19	100
Horn 1 Fabrication	FEB-20	JUN-20	100
Horn Stripline, Testing	MAR-20	AUG-20	100
Horn 1 Stripline Installation	AUG-20	DEC-20	100
RAW, Target Chase Cooling, Shielding	OCT-19	OCT-19	100
Tritium Mitigation	OCT-19		80
Project Completion	JAN-21		90

Financials as of 11/30/20	
Budget	5,600,000
Balance	1,245,725

Activities remaining

Target Autopsy A1901.02.03	Target Module Rebuild A1901.03.03	MINOS Dry Cooler A1901.04.02	Decay Pipe US Window A1901.05.01	Hadron Monitor A1901.06.01
Team: George Lolov, Meredith Lee, Keith Anderson, et al.	Team: Vladimir Sidorov, Clay Leonard, Kris Anderson, et al.	Team: Adam Taylor, Lee Hammond, et al.	Team: Mike Campbell, Dirk Hurd, et al.	Team: Katsuya Yonehara, Nnamdi Agbo, Joe Beleski, et al.
Remove target TA-02 downstream flange for inspection	Fabricate, preassemble and test the Target module drive mechanism	Install a dry cooler to provide free cooling to the MINOS CHW loop for eliminating cold weather operations impact	Generate drawing package of the US window changeout system for future reference	Test the Hadron Monitor once they are delivered from U. of Texas at Austin