

Project Title: MoonLite-ing – Providing clean, wireless lighting solutions for off-grid events

Problem Statement: Diesel and gasoline generators used to power off-grid events create excessive air and noise pollution. However, event professionals do not have a good solution for reducing the size/number, or completely eliminating the use of generators for off-grid events.

Solution Statement: The MoonLite, a battery-powered lighting solution that uses second-life lithium-ion batteries, provides a solution that reduces GHG and air pollutant emissions, while extending the useful life of resource-intensive lithium-ion batteries.

Inputs	Outputs		Outcomes -- Impact		
	Activities	Target groups	Short	Medium	Long
<ul style="list-style-type: none"> -Staff time (grant recipient, SVCE and CSE) -Pilot funding from SVCE -Other funding sources - Materials and labor for MoonLite construction - Educational and promotional materials for event professionals (EPs) -Delivery vehicles/logistical support 	<ul style="list-style-type: none"> -Build MoonLite units -Recruit event professionals for demonstrations -Deliver MoonLite(s) to event professionals -Train EPs on safe use, charging, handling, etc. -Follow up with EPs for feedback and troubleshooting -Capture testimonials and other endorsements 	<ul style="list-style-type: none"> -Event professionals -Event industry associations -Event clients/sponsors -Event attendees 	<ul style="list-style-type: none"> -EPs aware of availability and benefits of cordless, quiet, clean lighting solution -Event sponsors aware of benefits of cordless, quiet, clean lighting solution -Event sponsors prefer battery-powered event solutions over generator-powered solutions 	<ul style="list-style-type: none"> -EPs adopt cordless, battery-powered lighting solutions -EPs encourage their clients to opt for cordless, battery-powered lighting for off-grid events -Event sponsors encourage EPs to carry broader range of clean, battery-powered products 	<ul style="list-style-type: none"> -Reduced GHG and local air pollutant emissions from the use of diesel or gasoline generators -Better utilization of renewables through increased mid-day load to charge products -Market demand for additional clean, battery-powered event products

Assumptions

- EPs prefer cordless lighting over hard-wired solutions.
- Event professionals able to charge MoonLite units when not in use.

External Factors

- Event sponsor receptiveness/demand for product
- Availability of competing solutions for clean off-grid event power