

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

**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