



# Participant Expectations January 9, 2022

## Run on Less – Electric DEPOT (RoL-E DEPOT)

**Objective:** Reveal how electric trucks and charging systems operate when 15 or more battery electric trucks are deployed at one site. Monitor at least two trucks and two charging stations at each of approximately eight depots around North America.

 <p><b>Announcements</b></p> <ul style="list-style-type: none"> <li>• Jan 10 Press Call including first sponsors</li> <li>• Feb 26 TMC Press Event</li> <li>• Bootcamp registration opens mid-March</li> <li>• Announce Participants early-April</li> </ul>	 <p><b>Bootcamp</b></p> <ul style="list-style-type: none"> <li>• 10 Episodes</li> <li>• Topics concern scaling of electric truck adoption</li> <li>• ~50 Expert Speakers</li> <li>• Runs Apr 25th through Sep 5<sup>th</sup></li> </ul>	 <p><b>Pre-Run</b></p> <ul style="list-style-type: none"> <li>• Visit all participants May through July</li> <li>• Continued Promotion</li> <li>• Post Case Study Profile Videos throughout Aug</li> <li>• Potential In-Person Workshops</li> </ul>	 <p><b>Actual Run Event</b></p> <ul style="list-style-type: none"> <li>• Kickoff at a Conference, TBD</li> <li>• Run occurs ~Sep 11<sup>th</sup> through the 30<sup>th</sup></li> <li>• Social Media Assets for Participants and Sponsors</li> <li>• Release findings at a Finale event</li> </ul>	 <p><b>Post-Run</b></p> <ul style="list-style-type: none"> <li>• Analyze data and report</li> <li>• Share findings at multiple trucking and utility conferences</li> <li>• Other specific engagements</li> <li>• Through mid-2024</li> </ul>
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### Announcement

In April 2023, NACFE will announce the eight sites/fleets that will participate in the Run in September. Details will include the fleet, location, the OEMs/models, charging systems, and utility company.

### Education Bootcamp

There are no requirements for participating in the education bootcamp. It will be similar to the 2021 version with a much stronger focus on charging systems and infrastructure.

### Pre-Run

Each participant will have a pair of NACFE leaders working with you throughout the whole experience. There will be many opportunities to participate along with NACFE at many industry events throughout 2023 where the team will be sharing insights from RoL-E DEPOT. These include such events as TMC, a breakfast at ACT Expo, NPTC, Green Truck Summit, etc. You can join us for as few or as many as you wish.

A kickoff meeting will be held as soon as possible where leaders from the fleet, truck builder, charging system supplier and NACFE create a plan for the activities. Specific trucks (VINS) will be determined as the participating trucks.

**Participant Profile** (See [here](#) for examples from Run on Less – Electric held in 2021).



## Participant Expectations January 9, 2022

- A spreadsheet will be jointly filled that includes information needed to create the participant profile which will be posted on the [www.runonless.com](http://www.runonless.com) website in August 2023.
- The profile will include a video showcasing the commercial battery electric vehicle (CBEV) deployment and various information about the truck and charger, its operation and introducing the driver.
- During May or June NACFE along with a video crew will travel to the location for a scheduled visit. Any specific host location protocols will be followed throughout the visit. We will interview and film key professionals involved with the electric trucks' deployment. These will include a fleet location manager, the truck driver, a corporate fleet leader and truck OEM representatives. It will also include charging infrastructure companies, funding partners, the local utility and others determined by each participant. It is important that all interviewees be knowledgeable about the electric truck and its operation as well as comfortable being filmed. We will make this a very relaxed experience.
- Filming will be conducted over a one- or two-day period outside around the trucks and charging systems as much as possible. We will also want to film the dashboard in the office area that monitors and controls the charging systems.
- It is understood that many operations may have more than one driver who typically drives the electric truck. The goal is that we interview drivers in May/June who will be operating the truck most or at least some of the time during the September Run.
- The schedule will be flexible knowing that the truck and driver are critical to normal freight deliveries, and we will work around their schedule. It will include:
  - Introductions, review of safety procedures and jointly creating a plan for the day or days. Together we will review the spreadsheet details and update it including the truck and charging specifications and any other interesting information on its operation. It will also be good to learn of key challenges of the complete electric truck deployment project.
  - During filming, NACFE will be the lead interviewer with questions prepared ahead of time. Shots will be conducted around the truck, the charging infrastructure, and any other onsite backgrounds. It is always good to get fleet and OEM logos in the videos where possible. We will also get shots of the truck in operation around the depot as well as potentially along its route.
  - The remainder of the time will be spent on additional discussions including the plans for the Run activities in September.
- In early August, the profile will be completed, and a draft reviewed by the fleet and others identified during the visit.
- Footage from these video shoots also will be used to tell additional stories about electric truck deployments. A new video will be highlighted on the Run's home page each day; expect about 20 of these.

### **Data collection from each truck** (See [here](#) for examples from Run on Less Electric held in 2021)

- Run on Less events in the past have been successful by sharing both qualitative (profiles, stories) and quantitative (results) information for each of the participants.



## Participant Expectations January 9, 2022

- For Run on Less – Electric DEPOT, two trucks at each location will be monitored as well as their charging systems. For each truck on each day, data will be presented on a dashboard similar to that used in 2021. This is where the industry can view important data to understand the operation of the trucks and chargers in the real-world. This is critical to continuing to improve the collaboration between the trucking industry and the power industry.
- A dashboard is being finalized that will include information similar to the 2021 event but expanded to include data from two of the chargers and total depot electricity demand details, to be decided.
- NACFE will work with Geotab to install their electric telematics device into the truck for sending data to us. Geotab is prepared to complete integration on any truck prior to the Run. NACFE will work with the participant if this process is not acceptable to gain transmission of appropriate APIs for this process. The earlier we start these processes the better.
- Our goal is to be testing the data transmissions from the participating trucks by August 1<sup>st</sup>.
- This dashboard will become live on runonless.com on the first day of the Run in September 2023.

### During Run on Less – Electric DEPOT

During the three weeks of the demonstration, the Run should require very limited involvement by the fleet, truck OEM, infrastructure suppliers or utilities. All should work to have the truck operating at a high level of uptime, noting any issues, and resolving them as quickly as possible.

- Should some issue arise that requires the truck to not be in operation, the participant team (fleet, truck OEM, charging system manufacturer, etc.) will contact the NACFE team as soon as possible. Potential outcomes could be:
  - The truck was returned to service quickly and the participant and NACFE decides not to make any announcement about it being down.
  - The truck was returned to service relatively quickly and the participant and NACFE choose to share the reason for the downtime event with the RoL-E audience. This would likely happen by creating a short video, posted ASAP, explaining the reason for the downtime and corrective action taken. This video would be posted on the fleet's profile page. This communication could be helpful to avoid "someone else" telling this story for us and could also help other fleets see how problems are resolved.
  - If an extended downtime occurs, the team will consider using a replacement electric truck for the remainder of the Run or resolve the issue over time and use a video to explain what happened. As a last resort, NACFE and the fleet could decide to stop operation of the truck in the Run, again explaining what happened via a video.
- The fleet and OEM are encouraged to promote the operation of the truck during the Run via social media, press releases, newsletters, stories in industry magazines, etc. NACFE will support you in these efforts including video and still pictures, graphics, quotes from our team, other supporting information, etc.



# Participant Expectations January 9, 2022

## Post-Run

As noted above, NACFE will be telling the RoL-E DEPOT story at many live events throughout the fall and well into 2024. We will have a presence at T&D World in Sacramento, SAE in Cleveland, ATA MC&E in Austin and Greenbiz VERGE in San Jose. You are not required to join us at any of these but are welcome to do so if you desire.

## Summary of Expectations:

Please see below a summary of the key expectations for your participation.

<b>Need</b>	<b>Fleet</b>	<b>Truck OEM</b>	<b>Charging System</b>
April announcement	Little, share	Little, share	Little, share
Bootcamp	None	None	None
Complete profile spreadsheet	Lead	Support	Support
May/June visit	Lead	Support	Support
Data acquisition plans	None to limited	Lead	Lead
RoL-E DEPOT Promotion	As you wish	Support	Support
Finale(s) involvement	Lead	Support	Support

Thank you for your support of Run on Less – Electric DEPOT. We are confident that the event will improve the industry’s support of your efforts to accelerate your own and the industry’s profitable adoption of electric trucks.

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