

Introduction

What: Electric Room & Xcel Energy Electric Test Drive presented at the 46th Annual Twin Cities Auto Show



Where: Minneapolis Convention Center
1301 Second Ave. So., Minneapolis, MN



When: Saturday, March 9, 2019 – Sunday, March 17, 2019

Daily Hours:

Saturday, March 9th (10:00am - 10:00pm)

Sunday, March 10th (10:00am - 7:00pm)

Monday, March 11th (4:00pm - 10:00pm)

Tuesday, March 12th (4:00pm - 10:00pm)

Wednesday, March 13th (10:00am - 10:00pm)

Thursday, March 14th (4:00pm - 10:00pm)

Friday, March 15th (10:00am - 10:00pm)

Saturday, March 16th (10:00am - 10:00pm)

Sunday, March 17th (10:00am - 7:00pm)

[Click here for daily schedule with event highlights](#)

Great River Energy is again the title sponsor of the Electric Room for the 2019 event (4th year in a row!). The Electric Room will feature the latest technology in electric and plug-in hybrid vehicles. Visitors will have a chance to see a variety of electric vehicles and find the charging stations nearest their neighborhood. The goal is to educate attendees on the environmental, energy security and economic benefits of these advanced technologies and set the record straight on common misconceptions.

Featured in the Electric Room will be [Plug Into MN](#) – a campaign launched in the Fall of 2017 to drive awareness around the places, experiences and adventures that are possible for electric vehicle owners thanks to the expansion of charging stations around the state. From the Twin Cities to Tettegouche State Park and all the places in between, it's possible to go farther than ever before in an electric vehicle (EV).



MN Plug-in Vehicle Owners will be onsite to answer questions and provide additional information about driving electric in Minnesota.

New on the main floor: Xcel Energy Electric Test Drive! Visit the Xcel Energy Electric Test Drive to get behind the wheel of two plug-in vehicles: the [Mitsubishi Outlander PHEV](#), the #1 selling PHEV in the world, and the new 100% all-electric [Nissan LEAF®](#). Test drives of these vehicles are available 4 p.m. to 8 p.m. on Monday, Tuesday, and Thursday, 10 a.m. to 8 p.m. Wednesday and Friday, and 10 a.m. to 7 p.m. on Saturday and Sunday -- made possible by Xcel Energy, Midwest EVOLVE, CarSoup.com, White Bear Mitsubishi, and Nissan. Test drives are free and open every day.

The Twin Cities Auto Show is produced by the Greater Metropolitan Auto Dealers Association of Minnesota (GMADA).

Information and Responsibilities

Admission to the Auto Show: Check in at the exhibitor entrance which is right by the Electric Room. Just tell your name, that you represent MN PEV Owners Circle and that you will be volunteering in the Electric Room or the Xcel Energy Electric Test Drive. They have a list of all our volunteers, which they check and let you in.



Dress Code: Great River Energy has very generously donated volunteer shirts for Electric Room volunteers. These shirts are in the Electric Room under the table. Xcel Energy Electric Test Drive has volunteer t-shirts for main floor electric test drive exhibit too! Please also wear **EV OWNER button** whenever you are at the show if your shirt doesn't have the MNPEVOC logo. If you have one, please bring it with you but we will have some in the Electric Room or at the Electric Test Drive exhibit if you don't have one. Remember that you will be standing most of your shift so **wear comfortable shoes!**

Shifts: Know where your volunteer shift is: Electric Room or Xcel Energy Electric Test Drive (main floor). Please report to the proper location you signed up for 15 minutes prior to your scheduled time.

Volunteer duties include:

- Share your experiences and answer questions (see FAQ at end of document)
- *Xcel Energy Electric Test Drive Volunteers:* Direct guests to Electric Room
- *Xcel Energy Electric Test Drive:* Assist at table with test drive check-in & EV Q&A
- *Electric Room Volunteers:* Direct guests to EVs & Xcel Energy Electric Test Drive on main show floor.
- *Electric Room:* keep EV kiosk computer clean.
 - Login: CleanAirMN@lung.org Password: BreatheRight123\$
- Refill information (brochures, handouts kept under literature tables)
- Keep exhibits clear of trash and litter
- Straighten up throughout the day

Opening Tasks

- "Open" the exhibit promptly
- Refill any empty materials (brochures/handouts)

Closing Tasks

- Straighten up the overall exhibit
- Pick up any trash or random literature

Contact Information

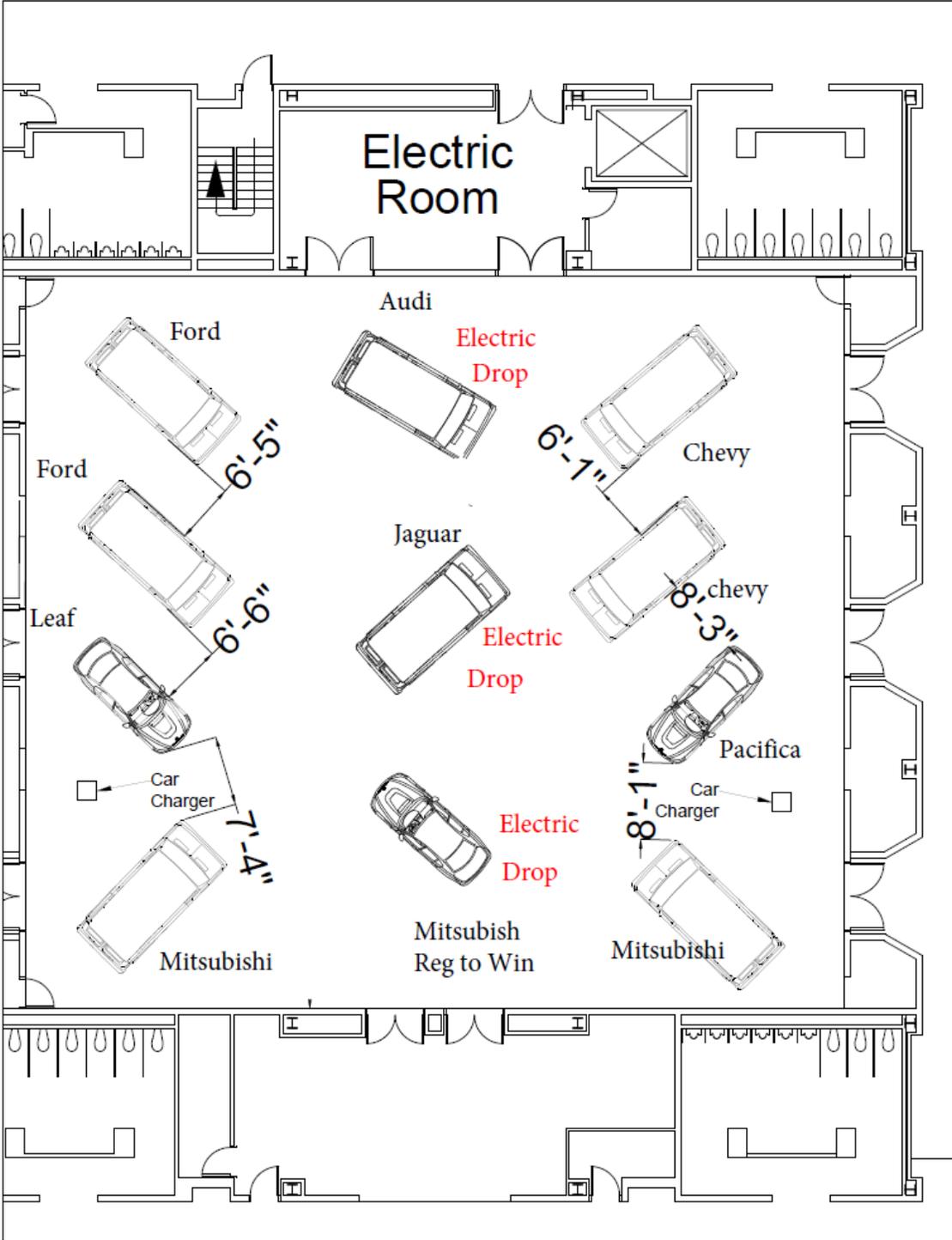
In the event of an emergency or for immediate assistance, consult the staffing manager at the information booth inside the main room.

In the event that you cannot fulfill your shift, or you need to leave part-way through your shift, please contact Jukka Kukkonen or member listed below in the order below:

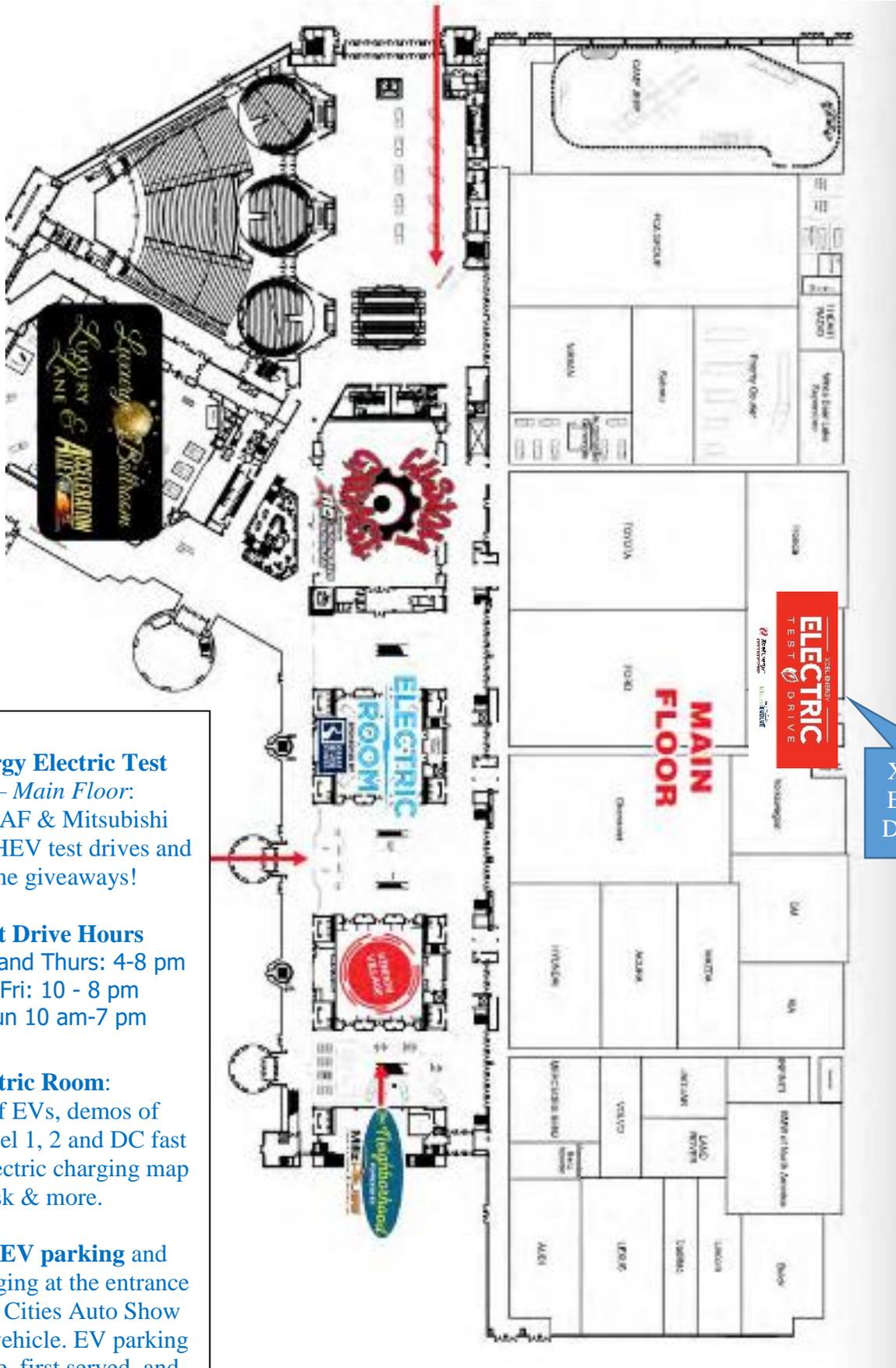
| Name | Cell Phone | Email Address | |
|----------------|--------------|-------------------------|-------------------------|
| Jukka Kukkonen | 651.428.3155 | jukka@pluginconnect.com | Volunteer/Exhibit Needs |
| Lisa Thurstin | 651.223.9568 | Lisa.Thurstin@Lung.org | Volunteer/Exhibit Needs |

If you know ahead of time that you will be unable to cover your assigned shift, please call or email Jukka Kukkonen as ASAP so we can find an alternate volunteer for your shift.

Preliminary Electric room setup plan for 2019



Auto Show: Electric Room & Xcel Energy Electric Test Drive



Xcel Energy Electric Test Drive – Main Floor:
Nissan LEAF & Mitsubishi Outlander PHEV test drives and awesome giveaways!

EV Test Drive Hours
Mon, Tues, and Thurs: 4-8 pm
Wed & Fri: 10 - 8 pm
Sat & Sun 10 am-7 pm

Electric Room:
Variety of EVs, demos of charging level 1, 2 and DC fast charging, electric charging map kiosk & more.

Free VIP EV parking and vehicle charging at the entrance to the Twin Cities Auto Show for electric vehicle. EV parking is first come, first served, and located off 2nd Ave

Xcel Energy
Electric Test
Drive Exhibit

About the Electric Room

- Three options of charging stations:
 - Level 1 cord – show consumers how easy this is with standard cord
 - Level 2 charging – Example of public charging unit and also good for home charging. Average price \$500
 - DC Fast Charging station for public sites.
- PlugShare Map Kiosk – find locations near their neighborhood
- Login: CleanAirMN@lung.org Password: BreatheRight123\$
- Materials table – assorted literature
- The Electric Room will feature the latest technology in plug-in electric and plug-in hybrid electric vehicles – Sign up in the Electric Room to win a 24 month Outlander PHEV SEL Ally Lease!
- Variety of 8 – 12 vehicles in Electric Room

About the Xcel Energy Electric Test Drive on Main Floor – FREE Ride & Drives

Volunteers in this area will assist with the ride & drive registration and direct attendees to:

1. Complete a pre & post survey about the experience on an electronic tablet
2. Answers questions about electric vehicles
3. Direct attendees to visit the Electric Room
4. Give each person that completes a test drive a t-shirt. Typically 1 shirt per household.

People attending the 2019 Twin Cities Auto Show will get a chance to test drive the all-new Mitsubishi Outlander PHEV or the 100-percent electric Nissan LEAF as part of the Xcel Energy Electric Test Drive, an EV Ride & Drive event supported by Xcel Energy, Midwest EVOLVE, and CarSoup.com. The Twin Cities Auto Show will be held March 9-17 at the Minneapolis Convention Center at 1301 2nd Ave S. in Minneapolis.

Those taking test drives will experience innovative features like the Nissan LEAF's e-Pedal, 360-degree cameras for parking assistance, in-car infotainment, and pre-heating and cooling technologies. Test drives of these plug-in vehicles are available every day.

New at 2019 Twin Cities Auto Show:

- Re-Model A, an electric vehicle with the iconic look and styling of the Model A, but enhanced with the forward-thinking technology of a plug-in hybrid electric engine. Mitsubishi and West Coast Customs brought this classic symbol of innovation to the show. Found in Xcel Energy Electric Test Drive Exhibit
- Great River Energy is offering **free VIP EV parking** and **vehicle charging** at the entrance to the Twin Cities Auto Show for electric vehicle owners on a first-come, first-served basis. The EV driver also receives free admission to the show. The reserved parking area for electric vehicles is located off 2nd Avenue.
- In the Electric Room: sign up for a chance to win a 24-month Ally lease of the Outlander PHEV SEL. The Outlander PHEV is an all-wheel drive vehicle.

Frequently Asked Questions

Q: I don't see many electric vehicle chargers available. How will people fuel their vehicles?

A: Expanding the charging infrastructure for electric vehicles is one of the issues this project aims to address. However, most people charge at home, overnight, so for many trips, they don't need to plug in. Project partners continue to grow the network of public and workplace charging locations that provide additional options for drivers. There are currently over 300 public charging stations that can be located on PlugShare.com

Q: Do you see a day soon when all vehicles will be plug-in electric?

A: Predicting future trends is always difficult, but I can say this: virtually every major automaker in the world is making a plug-in electric vehicle right now, and some plan to greatly expand their hybrid and electric vehicle products. The percentage of electric vehicles on America's roads may be small now, but it is steadily growing.

Q: Are electric vehicles affordable to the average family?

A: The price of electric vehicle has been falling as they enter mass production. However, you need to consider the cost of operating and maintain that vehicle. The average U.S. household spends nearly one-fifth of its total family expenditures on transportation, so saving on fuel can make a big difference. Even at the current price of oil, electricity is less expensive than gasoline and electric vehicles are more efficient than gasoline vehicles. Electricity prices are also generally much more stable than gasoline prices. On a national average, it costs less than half as much to travel the same distance in an electric vehicle than a conventional vehicle. Most electric vehicles cost around \$30,000.

Q: How far can a plug-in electric vehicle travel on a single charge?

A: Battery electric vehicles have a range of 150-335 miles range depending on the model. Many of the newer models will have larger batteries so they can provide driving range of over 200 miles. Plug-in hybrids have shorter electric range (14-53 miles) but they have gas engines that can carry them farther when the need arises so they don't range limitations.

Q: If the electricity comes from coal, are electric vehicles really better for the environment?

A: In the Midwest and nationwide, the percentage of the electric power generated by burning coal is dropping, and is likely to continue to decline. Numerous reports and analysis show that electric vehicles are cleaner than those with conventional combustion engines even if the electricity would be produced by coal. Many utilities now offer "green power" programs that allow customers to support renewable energy sources that reduce pollution and greenhouse gas emissions.

Q: How long will the batteries last?

A: As batteries wear, their capacity to absorb a charge diminishes. So the range of electric cars will diminish with age. All manufacturers are providing battery warranties of eight years or 100,000 miles.

Q: Can the batteries catch fire?

A: Electric cars are safer than gasoline cars. The small handful of electric car fires have made some worry whether the cars are safe. Actual indications are that electric cars are safer, from fire, than gasoline cars. Electric vehicles have to pass the same vehicle safety code requirements as gasoline powered cars. They don't explode spontaneously and drivers have had plenty of warning and time to escape. Lithium-ion batteries are a lot less volatile than gasoline.

Q: Is there a potential for job development related to electric vehicles?

A: Jobs are already being created through the installation and maintenance of electric vehicle charging stations. This is providing work for electricians and other skilled technicians, increasing the demand for these skills and providing new job opportunities.

Q: What happens to used electric vehicle car batteries?

A: Because they still roughly 70 percent usable capacity after their lifespan in vehicles, these batteries have value and may be used as a “back up” power source for buildings during power outages. Eventually, they will be sold to recycling facilities.

Q: Why is the American Lung Association involved in this project?

A: The answer to that question is simple: vehicle exhaust is a major source of air pollution in the upper Midwest, and air pollution is a major concern for our organization. It makes sense for the nation’s primary advocate for clean air and healthy lungs to support a project that can help reduce emissions.

Please follow and interact with members on [Twitter](#), [Instagram](#) and [Facebook](#)

#DriveElectric #ChargeForward #MNPEVowners #EVs

@GREnergyNews @XcelEnergy @MidwestEVOLVE

@tcautoshow