

Why buy an EV instead of a gas vehicle:

1. Lower cost to own & operate – Drivers traveling 10,000 miles per year can save an average of \$1,000/year. (Assuming \$2.80/gallon and \$.10/KWH)
2. Lower emissions vs gasoline vehicles
3. Lower maintenance costs – 1 speed transmission, no oil changes, minimal brake repairs, minimal moving parts.
4. Convenience of recharge – 80% of recharging is done at home. (Preferably with load-controlled chargers).
5. Auto industry and government studies predict dramatic increases in EV on the road in coming years, accounting for 30% of the miles driven and 350TWHs by 2040.
6. EV motors are **80% efficient** vs. **20% for gasoline motors**. (The efficiency rating is the amount of energy put toward moving the vehicle vs noise & heat).
7. Quieter, safer operation compared to gasoline & diesel engines.
8. EVs provide the opportunity of returning parallel generation to the grid during peak events.
9. Provides CEC a firsthand opportunity to gain an understanding of how EVs perform in extreme ND weather and limited charging locations.
10. Opportunity for our members to see, experience, and learn about EVs directly through our loaner program, website updates, and ND Living Magazine.

Why the Chevy Bolt versus other EVs?

1. 2017 Motor Trend Car of the Year
2. 60KWH Battery = 238 Mile Range
3. 100,000 Mile Battery warranty
4. 200HP
5. 0-30 in 2.9 seconds & 0-60 in 6.3 seconds
6. 1-Pedal Driving (Regenerative braking stops the vehicle automatically while recharging the battery.)
7. 119 MPG Equivalent = 27.8 KWHs/100 miles - \$2.78/100 miles at \$.10/kwh
8. Locally leased from our member dealership.

Interesting Bolt Points:

1. The car body & frame weighs less than the battery pack
2. There is a backup camera washing system.
3. 1,400 point pre-check is conducted upon pressing the start button. (conducted within .5 seconds).
4. 93 MPH electronically limited top speed – can operate at that speed for 160 miles on a full charge.
5. 2 drive modes:
 - D – Normal driving and regeneration &
 - L - Aggressive regeneration (1-pedal driving).
6. 5 Star NHTSA Rating – National Highway Traffic Safety Administration
7. Qualifies for \$7,500 tax credit incentive.