Background
The University of New Hampshire has a long history of incorporating clean technologies in its campus vehicle fleet and encouraging clean commute options for its faculty, staff and students. UNH incorporated the first electric vehicles into its fleet in 2002 and demonstrated early generation electrics to the public in 2005. Since then, the University has developed an EcoCat clean fleet brand which has focused on compressed natural gas (CNG), B20 biodiesel and hybrid gas-electric technologies for university fleet.

After collaborating with the Town on the installation of the first EV public access EV charging station downtown, UNH now is positioning itself to be a leader in zero emission electric vehicle use and accommodation. The Energy Task Force supports the collective efforts of the UNH Energy Office, Transportation Services, the Sustainability Institute and Campus Planning to incorporate EV infrastructure into the UNH-Durham campus. In so doing we will collaborate with Durham and demonstrate best practices.

Primary Goals:
- **expand introduction of EVs into light duty UNH fleet** - *UNH purchased its first new generation EVs (5 Nissan Leafs) in August 2017 to be utilized by Transportation Services and Facilities*

- **introduce public EV charging on campus** - *we propose introduction of public access Level 2 or greater charging stations in each of the four core campus Visitor lots*

- **explore integration of plug-in hybrids into future transit and medium duty UNH fleet**

- **develop plans and policies for appropriate scale integration of EV charging into UNH permit lots** as electric vehicle demand increases

Action Plans
- UNH Energy and Campus Planning staff, in coordination with the Energy Task Force and Transportation Policy Committee, will facilitate interdisciplinary campus efforts to quantify demand, identify funding and locational opportunities and select technologies which will be a best-fit for the UNH campus in coordination with its overall energy plan and sources. UNH will benchmark its progress with comparator institutions and strive to demonstrate leadership.
• The UNH EcoCat Vehicle Calculator will be updated to incorporate electrics into fleet matrix with appropriate life-cycle and emissions factors. EVs will become a standard option for campus fleet replacement – especially those fleet which operate with lower daily mile runs and proximity in and around Durham. UNH Fleet managers will actively screen vehicle purchases for best-fit of electrics into the UNH fleet

• As UNH integrates electrics into its fleet, the Energy Office will assist in establishing charging protocols and practices which will maximize the emission reduction and energy utilization of the UNH grid to include focused night-time charging

• UNH will communicate and collaborate with Town Energy Task Force as it seeks similar EV enhancement in Town fleet and infrastructure. Where possible, we will coordinate technologies and infrastructure for full compatibility

• As UNH integrates electrics into its fleet, the Energy Office will assist in establishing charging protocols which will maximize the emission reduction and energy utilization of the UNH grid to include focused night-time charging to balance campus power demand and improve overall charging space utilization from daytime public access. It is likely that lower-cost Level 1 charging infrastructure will be adequate for UNH fleet overnight charging.

**Benchmarking**
ETF member staff will report ongoing progress and solicit counsel and support from UNH leadership, the Energy Task Force, the Transportation Policy Committee and Town of Durham. Our EV share and use will be documented in annual fleet, fuel and transportation benchmark reports.