



Daytime utilization averages just under 25% weekday this year.

Current rate structure:
Parking: first 2 hrs. free then \$1/hr
Power: \$0.18/kwh





UNH EV Infrastructure Policy – Nov 2017

adopted by Energy Task Force and Transportation Policy Committee

UNH Fleet Principles:

- *recognize unique niche for UNH fleet vehicle use (low daily miles, localized, stop-start, hi visibility and reflect institution's emission principles)*
- *maximize cost benefit of low daily miles and overnight charge options.*
- *recognize unique cost advantage of **off-peak power** at UNH due to Co-Gen capacity*
- *open to evaluation of EV transit fleet options*
- *Most prevalent vehicle on campus is utility vans*
- *Potential research collaborations*

Currently five 2016 Nissan Leafs (100mi range)

Level 1 & Level 2 charge capacity (non-public)

Public Access Principles:

- *recognize increasing community requests*
- *focus first on visitor then on commuter lot access*
- *model after Pettee Brook with parking charge and time-charge for power.*
- *enforced use limits - UNH has enforcement team (manages over 7,800 spaces on Durham campus)*
- *Level 2 minimum possible Level 3 demonstration*
- *include supply infrastructure in all site designs – active UNH Energy Office oversight*
- *potential public-private in downtown structure*
- *east-west corridor and destination*

currently limited accommodation....recent examples



UNH EcoCat AFV Fleet and Fuel Consumption

Fleet & Infrastructure (fall 2018)

- *First CNG fueling station (2001)*
- *first EV utility vehicle (Azure Dynamics) (2006)*
- *demonstrated gen 1 DC & AC powered NEVs (2008)*
- *hybrids in fleet since 2008*
- *10% AFV registered vehicles including
25 CNG and 6 electrics (Nissan and Volvo)*
- *fast-fill CNG fuel station with 200gge storage*
- *UNH Transit committed to no more diesel in 2018*
- *EPACT reporting and internal benchmarking (2000-)*

Fuel Consumption (FY 18)

- *81% of diesel engines running B20 year round
(61,000 gals)*
- *44% of transit fleet miles /27% overall fleet CNG
(47,000 gge)*
- *<7,000 kwh used in all electric fleet*
- *over 1.7M total fleet miles (45% transit)*
- *approx 200,000 gge of fuel used representing over
\$375,000*





Collaborative Funding Opportunities

- FTA (Federal Transit Administration) grantee
- established history of FTA, FHWA, EPA and DOE grant implementation
- Association Advancement of Sustainability (AASHE) STARS Platinum
- awaiting New Hampshire VW Settlement grant round
- open to EV corridor strategy – *second east-west corridor after NH101*
- *strong benchmarking and reporting protocols*
- *strong Energy Office & Facilities management*
- *academic collaboration and community support*

