

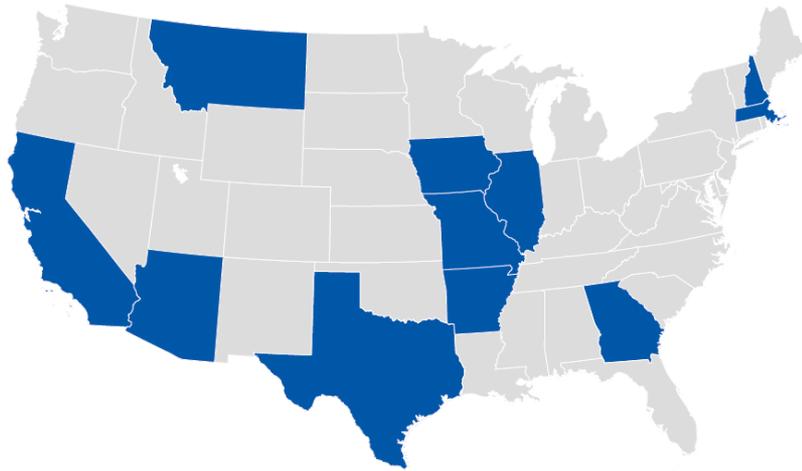


Liberty UtilitiesSM

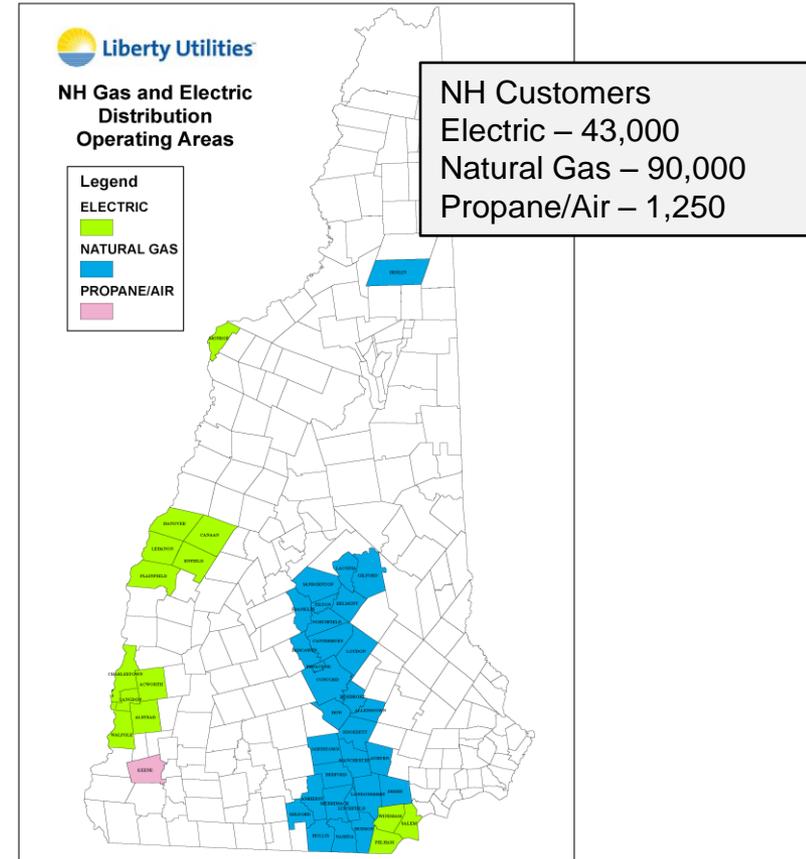


Liberty Utilities- New Hampshire
Green Fleet Strategy
2016

Liberty Utilities Profile



A diversified regulated water, natural gas and electric transmission and distribution utility, delivering services to nearly half of a million customers across the United States with a local approach to management, service and support.



Liberty Utilities Fleet

Total Fleet Units (12-31-2015)						
	Cars	SUV / Vans / Compact Pick-ups	Light Duty trucks	Medium Duty trucks	Heavy Duty trucks	TOTAL
AR	0	11	18	2	2	33
AZ	0	3	49	1	0	53
CA	0	15	21	16	10	62
GA	0	2	52	3	9	66
MA	4	28	35	6	10	83
MID	0	8	86	17	8	119
NH	0	49	65	11	35	160
TX	0	0	10	0	0	10
TOTAL	4	116	336	56	74	586

Green Fleet Units (12-31-2015)						
	Cars	SUV / Vans / Compact Pick-ups	Light Duty trucks	Medium Duty trucks	Heavy Duty trucks	TOTAL
AR	0	5	8	0	0	13
AZ	0	0	19	0	0	19
CA	0	3	6	4	0	13
GA	0	0	13	0	1	14
MA	0	12	3	0	0	15
MID	0	0	40	5	0	45
NH	0	8	22	2	0	32
TX	0	0	2	0	0	2
TOTAL	0	28	110	11	1	153

Current % of Alt Fuel vehicles = 26% NH % = 20%

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Green Vehicle Purchases - NH



2013 – Corporate Commitment - All vehicle purchases of are to be alternative fuel vehicles across all of Liberty Utilities where possible.

Year	All units Purchased	Alt Fuel units Purchased
2013	11	6
2014	33	16
2015	9	9
2016	20	18

Over this period, we have increased the green fleet from 10% to 20%

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Challenges of “Greening your Fleet”

Availability of Supporting Infrastructure – The number of fueling and charging stations are improving, but more work needs to be done to develop sites in appropriate areas.

Vehicle Purchase – the purchase cost of the vehicle with bifuel (CNG) conversion runs between 20 – 25% more than conventional fuel.

Lead times for vehicle purchases run longer

Storage – tanks & batteries compete for vehicle storage space

Capacity – fewer miles on available on a charge or tank of fuel

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Advantages - “Greening our Fleet”

Corporate commitment to the product we distribute – Senior Leaders require a compelling business reason “not” to purchase “Green” vehicles.

Reduction in air pollutants and greenhouse gas emissions

Natural gas is primarily a domestically produced product

Lower overall operating costs

- Maintenance - Tune up’s and oil change service performed at longer intervals.

- Equipment – operates cleaner

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