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Energy Sector	NH Business as Usual (BAU) Energy-Related Emissions Projection [MMTCO2e/year]		
	2012	2025	2050
Transportation	9.74	12.66	18.27
Electricity Generation	7.63	9.26	12.39
Residential, Commercial, and Industrial (non-electric)	6.38	7.37	9.28
TOTAL	23.75	29.29	39.94

AFW

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Agriculture, Forestry and Waste	CO2 Emission Reduction [MMTCO2e/year]			Implementation Costs			Potential Economic Benefits		
Goals and Actions	2012	2025	2050	Cost	Timing of Costs	Impacted	Potential Economic Benefits	Timing of Benefits	Impacted
AFW Goal 1 - Carbon Sequestration									
AFW Action 1.1 Build Up Soil Carbon									
AFW Action 1.1.1 Increase Cover Crops	<0.01	<0.01	<0.01	Moderately Low	Constant / Even	Business - Small	Moderately Low	Constant / Even	Business - Small
AFW Action 1.1.2 Increase Conservation Tillage/No-Till Farming Practices	<0.01	<0.01	<0.01	Low	Constant / Even	Business - Small	Low	Constant / Even	Business - Small
AFW Action 1.1.3 Protect Agriculture Land	Action not individually quantified; quantified as part of TLU Smart Growth Actions			Moderately Low	Constant / Even	Government - Local	Moderately Low	Low short-term / Mostly long-term	Evenly Distributed
AFW Action 1.2 Avoid Forest Land Conversion	0.35	0.35	0.35	Moderately High	Constant / Even	Government - Local	Moderate	Low short-term / Mostly long-term	Evenly Distributed
AFW Action 1.3 - Promote Durable Wood Products	0.10	0.10	0.10	Low	Constant / Even	Government - State	Moderate	Constant / Even	Business - Evenly Distributed

AFW Goal 2 - Fuel and Electricity Generation									
Wood for residential heat	-0.35	0	0.41						
Wood for electricity	-0.82	-0.45	0.02						
AFW Action 2.1 - Encourage the Use of Bioreactors for Landfills	Not quantified			Moderately Low	Immediate / higher upfront	Business - Small	Low	Constant / Even	Evenly Distributed
AFW Action 2.2 - Maximize Availability of Biomass for Electricity and Heating within Sustainable Limits	Action not individually quantified; quantified as part of AFW Goal 2								
AFW Action 2.2.1 - Maintain Infrastructure for Biomass Production and Support Regulatory and Business Efficiencies	Action not individually quantified; quantified as part of AFW Goal 2			Moderately Low	Constant / Even	Government - State	Moderate	Constant / Even	Business - Evenly Distributed
AFW Action 2.2.2 - Ensure Biomass Consumption is within Sustainable Limits	Action not individually quantified; quantified as part of AFW Goal 2			Low	Constant / Even	Government - State	Supporting mechanism		Business - Evenly Distributed
AFW Action 2.2.3 Ensure the Most Efficient Use of Energy/Biomass Stock	Action not individually quantified; quantified as part of AFW Goal 2			Low	Constant / Even	Government - State	Supporting mechanism		Business - Evenly Distributed
AFW Action 2.3 Increase the Development and Use of Secondary Feedstocks for Biodiesel	Not quantified								
AFW Action 2.4 Encourage the Use of Biogenic Waste Source for Energy Generation	Not quantified								
AFW - Goal 3: Recycling and Source Reduction									
AFW Action 3.1 Implement a Pay-As-You-Throw Initiative (PAYT)	Analysis underway			Moderately Low	Immediate / higher upfront	Business - Medium	Moderate	Constant / Even	Evenly Distributed
AFW – Goal 4: Reduced Food System Emissions									
AFW Action 4.1 Strengthen Local Food Systems	<0.01	<0.01	<0.01	Low	Constant / Even	Government - State	Moderately Low	Constant / Even	Business - Small

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Transportation	9.74	12.66	18.27
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Residential, Commercial, and Industrial (non-electric)	6.38	7.37	9.28
TOTAL	23.75	29.29	39.94

EGU

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Energy Generation and Usage	CO2 Emission Reduction [MMTCO2e/year]			Implementation Costs			Potential Economic Benefits		
Goals and Actions	2012	2025	2050	Cost	Timing of Costs	Impacted	Potential Economic Benefits	Timing of Benefits	Impacted
EGU Goal 1 - Increase Demand Response, Energy Efficiency, and Clean Combined Heat & Power									
EGU Action 1.1 Revenue Decoupling	Action not individually quantified; quantified as part of EGU Action 1.2			Low	Constant / Even	Government - State	Supporting mechanism		
EGU Action 1.2 Energy Efficiency Procurement									
5% reduction in NH consumption by 2020	0.08	0.29	0.38	Moderate	Immediate / higher upfront	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Evenly Distributed
10% reduction in NH consumption by 2020	0.17	0.59	0.76	Moderate	Immediate / higher upfront	Evenly Distributed	High	Low short-term / Mostly long-term	Evenly Distributed
15% reduction in NH consumption by 2020	0.25	0.88	1.14	Moderately High	Immediate / higher upfront	Evenly Distributed	High	Low short-term / Mostly long-term	Evenly Distributed
20% reduction in NH consumption by 2020	0.33	1.17	1.52	Moderately High	Immediate / higher upfront	Evenly Distributed	Very High	Low short-term / Mostly long-term	Evenly Distributed
24% reduction in NH consumption by 2020	0.40	1.41	1.83	Moderately High	Immediate / higher upfront	Evenly Distributed	Very High	Low short-term / Mostly long-term	Evenly Distributed
EGU Action 1.3 Combined Heat & Power Resource Standard [9% reduction in NH consumption by 2020]	0.15	0.53	0.69	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	High	Low short-term / Mostly long-term	Business - Evenly Distributed

EGU Goal 2 - Reduce supply-side emissions from existing generation and build new renewable generation									
EGU Action 2.1 Renewable Portfolio Standard (RPS)	0.28	1.40	1.81	Moderately Low	Constant / Even	Evenly Distributed	Moderate	Low short-term / Mostly long-term	Evenly Distributed
EGU Action 2.2 Regional Greenhouse Gas Initiative (RGGI) [*This relatively large emissions reduction target is achieved by other Actions]	0.47	2.79	5.92	Moderate	Constant / Even	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Evenly Distributed
EGU Action 2.3 New Source Performance Standard (NSPS)									
250lbsCO2/MWh	0.28	1.44	3.68	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
300lbsCO2/MWh	0.26	1.33	3.39	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
400lbsCO2/MWh	0.21	1.10	2.80	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
500lbsCO2/MWh	0.17	0.87	2.22	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
600lbsCO2/MWh	0.12	0.64	1.63	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
700lbsCO2/MWh	0.08	0.41	1.04	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
800lbsCO2/MWh	0.03	0.18	0.46	Moderately High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	
EGU Action 2.4 Low and Non-CO2 Emitting Supply Side Resources	Action not individually quantified			Low	Constant / Even	Government - State	Support mechanism		

EGU Action 2.5 Nuclear Power Capacity									
Nuclear Case 1: Replace nuclear capacity with natural gas in 2030	0.00	0.00	-4.05	High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	Evenly Distributed
Nuclear Case 2: Business as Usual (Renew license and maintain capacity)	0.00	0.00	0.00						
Nuclear Case 3: Replace petroleum, coal and a portion of natural gas base generation with new 1000MW nuclear	0.00	6.23	6.23	Very High	Low short-term / Mostly long-term	Evenly Distributed	Low	Low short-term / Mostly long-term	Evenly Distributed
Replace petroleum, coal and a portion of natural gas base generation with 1000MW of new renewables	0.00	6.23	6.23						
Replace coal base generation with an equivalent amount of new renewable generation	0.00	4.22	4.22						
Replace coal base generation with an equivalent amount of new of NG generation	0.00	2.60	2.60						

EGU Supplemental Scenario Analyses									
2.6 Import low carbon power from Canada – mainly Quebec Hydro	6.09	6.09	6.09						
2.7 Utility Investments in New Renewable Generation	0.14	0.56	1.12						

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TOTAL	23.75	29.29	39.94

RCI

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Residential, Commercial and Industrial	CO2 Emission Reduction [MMTCO2e/year]			Implementation Costs			Potential Economic Benefits		
Goals and Actions	2012	2025	2050	Cost	Timing of Costs	Impacted	Potential Economic Benefits	Timing of Benefits	Impacted
RCI Goal 1 - Maximize Energy Efficiency in New Construction and Existing Buildings									
RCI Action 1.1 Maximize Energy Efficiency in New Construction									
30% more efficient									
Direct fuel use	0.09	0.39	0.95						
Electricity	0.11	0.47	1.13						
Total	0.20	0.86	2.08	Moderate	Constant / Even	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Evenly Distributed
70% more efficient									
Direct fuel use	0.15	0.91	2.21						
Electricity	0.21	1.09	2.64						
Total	0.36	2.00	4.85	Moderately High	Constant / Even	Evenly Distributed	High	Low short-term / Mostly long-term	Evenly Distributed
100% more efficient									
Direct fuel use	0.18	1.30	3.16						
Electricity	0.28	1.55	3.78						
Total	0.46	2.85	6.93	Very High	Constant / Even	Evenly Distributed	Very High	Low short-term / Mostly long-term	Evenly Distributed
RCI Action 1.2 Maximize Energy Efficiency in Existing Residential Buildings									

30,000 homes/year; 15% more efficient									
Direct fuel use	0.11	0.48	0.48						
Electricity	0.08	0.34	0.34						
Total	0.19	0.82	0.82	Moderately Low	Immediate / higher upfront	Consumer - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
30,000 homes/year; 30% more efficient									
Direct fuel use	0.23	0.95	0.95						
Electricity	0.16	0.69	0.69						
Total	0.39	1.64	1.64	Moderate	Immediate / higher upfront	Consumer - Evenly Distributed	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
30,000 homes/year; 60% more efficient									
Direct fuel use	0.45	1.91	1.91						
Electricity	0.33	1.38	1.38						
Total	0.78	3.29	3.29	High	Immediate / higher upfront	Consumer - Evenly Distributed	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
15,000 homes/year; 15% more efficient									
Direct fuel use	0.06	0.24	0.48						
Electricity	0.04	0.17	0.34						
Total	0.10	0.41	0.82	Moderately Low	Immediate / higher upfront	Consumer - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
15,000 homes/year; 30% more efficient									
Direct fuel use	0.11	0.48	0.95						
Electricity	0.08	0.35	0.69						
Total	0.19	0.83	1.64	Moderate	Immediate / higher upfront	Consumer - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
15,000 homes/year; 60% more efficient									
Direct fuel use	0.23	0.96	1.91						
Electricity	0.16	0.69	1.38						
Total	0.39	1.65	3.29	Moderately High	Immediate / higher upfront	Consumer - Evenly Distributed	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
RCI Action 1.3 Maximize Energy Efficiency in Existing Commercial, Industrial, and Municipal Buildings									
15% more efficient									
Direct fuel use	0.07	0.29	0.36						
Electricity	0.09	0.40	0.48						
Total	0.16	0.69	0.84	Moderate	Immediate / higher upfront	Business - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Business - Evenly Distributed

30% more efficient									
Direct fuel use	0.14	0.58	0.71						
Electricity	0.19	0.80	0.97						
Total	0.32	1.38	1.68	Moderate	Immediate / higher upfront	Business - Evenly Distributed	High	Low short-term / Mostly long-term	Business - Evenly Distributed
50% more efficient									
Direct fuel use	0.23	0.97	1.19						
Electricity	0.31	1.33	1.61						
Total	0.54	2.29	2.80	Moderately High	Immediate / higher upfront	Business - Evenly Distributed	Very High	Low short-term / Mostly long-term	Business - Evenly Distributed
RCI Action 1.4A - Upgrade Building Energy Codes									
25% more efficient thermal									
Direct fuel use	0.08	0.32	0.79						
Electricity	0.03	0.11	0.27						
Total	0.10	0.44	1.06	Moderate	Constant / Even	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Evenly Distributed
50% more efficient thermal									
Direct fuel use	0.15	0.65	1.58						
Electricity	0.05	0.22	0.55						
Total	0.21	0.87	2.13	Moderately High	Constant / Even	Evenly Distributed	High	Low short-term / Mostly long-term	Evenly Distributed
RCI Action 1.4B - Improve Building Energy Code Compliance									
50% compliance (3% more efficient thermal)									
Direct fuel use	0.01	0.04	0.09						
Electricity	0.00	0.01	0.03						
Total	0.01	0.05	0.13	Low	Constant / Even	Government - Local	Moderately Low	Low short-term / Mostly long-term	
80% compliance (6.6% more efficient thermal)									
Direct fuel use	0.02	0.09	0.21						
Electricity	0.01	0.03	0.07						
Total	0.03	0.12	0.28	Low	Constant / Even	Government - Local	Moderate	Low short-term / Mostly long-term	
RCI Action 1.5 Establish an Energy Properties Section in MLS Listings	Action not individually quantified			Moderately Low	Constant / Even	Consumer - Evenly Distributed	Supporting mechanism		Consumer - Evenly Distributed

RCI Action 1.7 Preserve Older Buildings and Neighborhoods as Components of Sustainable Communities	Action not individually quantified			Low	Immediate / higher upfront	Government - State	Supporting mechanism		
RCI Action 1.8 Conserve Embodied Energy in Existing Building Stock	Action not individually quantified			Moderately High	Constant / Even		High	Constant / Even	
RCI Goal 2 - Maximize Energy Efficiency in Commercial, Industrial and Municipal Processes									
RCI Action 2.1 Create Incentive Programs to Install Higher Efficiency Equipment, Processes, and Systems	Action not individually quantified			Moderate	Immediate / higher upfront	Government - State	Supporting mechanism		Business - Evenly Distributed
RCI Action 2.3 Require Annual CO_2 Emissions Reporting	Action not individually quantified			Low	Constant / Even	Business - Evenly Distributed	Supporting mechanism		
RCI Action 2.4 Develop Best-Practice Guidelines for Energy-Efficient Process Equipment	Action not individually quantified			Low	Constant / Even	Business - Evenly Distributed	Supporting mechanism		
RCI Action 2.5 Promote Net-Zero or Minimal-Emissions Industrial and Commercial Clusters	Action not individually quantified			Moderately Low	Immediate / higher upfront	Government - State	Supporting mechanism		
RCI Goal 3 - Install Renewable Energy and Low CO2e Thermal Energy Systems									
RCI Action 3.1 Promote Renewable Energy and Low-CO2e Thermal Energy Systems	0.03	0.13	0.24	Moderate	Immediate / higher upfront	Consumer - Evenly Distributed	Moderate	Low short-term / Mostly long-term	Consumer - Evenly Distributed
RCI Goal 4 - Implement Educational/Behavioral Changes									
Action 4.1 Include Energy Efficiency and Conservation in School Curriculum	Action not individually quantified			Low	Constant / Even		Supporting mechanism		
Action 4.2 Increase Energy Efficiency through Building Management Education Programs	Action not individually quantified			Moderately Low	Immediate / higher upfront	Government - State	Moderately High	Low short-term / Mostly long-term	Business - Evenly Distributed
Action 4.3 Reduce Residential Energy Demand through Education and Outreach	Action not individually quantified			Low	Constant / Even	Government - State	Supporting mechanism		Consumer - Evenly
Action 4.4 Establish a Comprehensive Energy Efficiency and Renewable Energy Education Program	Action not individually quantified			Moderately Low	Immediate / higher upfront	Government - State	Moderate	Low short-term / Mostly long-term	Business - Evenly Distributed
Action 4.5 Create an Energy Efficiency and Sustainable Energy Systems Web Portal	Action not individually quantified			Low	Constant / Even	Government - State	Supporting mechanism		

COMBINATION STRATEGIES									
Action 1.1 (70% efficiency); Action 1.2 (30,000 homes/year, 60% efficiency); and Action 1.3 (50% efficiency)									
Direct fuel use	0.83	3.59	4.76						
Electricity	0.84	3.61	5.10						
Total	1.67	7.20	9.87	High	Immediate / higher upfront		Very High	Low short-term / Mostly long-term	
Action 1.1 (100% efficiency); Action 1.2 (30,000 homes/year, 60% efficiency); and Action 1.3 (50% efficiency)									
Direct fuel use	0.86	3.93	5.51						
Electricity	0.91	4.03	6.04						
Total	1.77	7.96	11.55						

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TLU

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Transportation and Land Use	CO2 Emission Reduction [MMTCO2e/year]			Implementation Costs			Potential Economic Benefits		
Goals and Actions	2012	2025	2050	Cost	Timing of Costs	Impacted	Potential Economic Benefits	Timing of Benefits	Impacted
TLU Goal 1 - Reduce Vehicle Emissions per Vehicle Mile Traveled									
TLU Goal 1.A - Influence the Vehicle Market through Regulatory Standards									
TLU Action 1.A.1 - Support Stricter Corporate Average Fuel Economy Standards									
35 MPG	0.09	1.13	1.85	Moderately High	Constant / even	Consumer	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
40 MPG	0.15	1.64	2.64	Moderately High	Constant / even	Consumer	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
45 MPG	0.21	2.04	3.25	Moderately High	Constant / even	Consumer	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
50 MPG	0.27	2.37	3.75	Moderately High	Constant / even	Consumer	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 1.A.2 – Support Fuel Economy Standards for Heavy-Duty Vehicles	0.22	0.94	1.82	Moderately High	Immediate / higher upfront	Business	Moderage	Constant / even	

TLU Action 1.A.3 - Adopt California Low Emission Vehicle (CALEV) Standards	0.16	1.78	2.62	Moderage	Constant / Even	Consumer	Moderately High	Low short-term / Mostly long-term	
TLU Goal - 1.B: Influence Consumer Demand for Higher Fuel Economy Vehicles.									
TLU Action 1.B.1 - Create a Point-of-Sale Financial Incentive for Higher Efficiency Vehicles									
Feebate of $500 per 0.01 gallon/mile (new vehicles 14% more fuel efficient)	0.23	0.73	1.00	Low	Constant / Even	Government - State	High	Low short-term / Mostly long-	Consumer - Evenly
Feebate of $1000 per 0.01 gallon/mile (new vehicles 22% more fuel efficient)	0.34	1.07	1.47	Low	Constant / Even	Government - State	High	Low short-term / Mostly long-	Consumer - Evenly
TLU Action 1.B.2 - Implement a Carbon-Based Vehicle Registration Fee Structure									
New car registration fee differential of $500 per 0.01 gallon/mile (new vehicles 14% more fuel efficient)	0.23	0.73	1.00	Low	Constant / Even	Government - State	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Goal 1.C - Increase the Use of Cleaner Fuels & Advanced Technologies									
TLU Action 1.C.1. - Adopt a Low-Carbon Fuel Standard	0.00	0.89	1.32	Low	Immediate / higher upfront	Government - State	Moderate	Constant / even	Consumer - Evenly Distributed
TLU Action 1.C.2. - Promote Advanced Technology Vehicles and Supporting Infrastructure	Complementary action but not individually quantified			Moderately High	Constant / even	Consumer - Regressive	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
Electric Cars									
Light duty sales 1% electric by 2020 (3.5% by 2050) [electricity at NE margin]	0.00	0.04	0.16						
Light duty sales 5% electric by 2020 (17.5% by 2050) [electricity at NE margin]	0.01	0.18	0.79						
Light duty sales 10% electric by 2020 (35% by 2050) [electricity at NE margin]	0.03	0.36	1.59						
Light duty sales 20% electric by 2020 (70% by 2050) [electricity at NE margin]	0.05	0.72	3.17						
Light duty sales 1% electric by 2020 (3.5% by 2050) [renewable electricity]	0.00	0.06	0.24						

Light duty sales 5% electric by 2020 (17.5% by 2050) [renewable electricity]	[illegible]	[illegible]	[illegible]						
Light duty sales 10% electric by 2020 (35% by 2050) [renewable electricity]	0.04	0.56	2.45						
Light duty sales 20% electric by 2020 (70% by 2050) [renewable electricity]	0.08	1.11	4.90						
TLU Action 1.C.3. - Install Retrofits to Reduce Black Carbon Emissions									
Employ DOCs (reduce PM emissions by 25%)	0.07	0.40	0.70	Moderate	Immediate / higher upfront	Business - Evenly Distributed	Low	Constant / even	
Employ FTFs (reduce PM emissions by 50%)	0.14	0.80	1.39	Moderate	Immediate / higher upfront	Business - Evenly Distributed	Low	Constant / even	
Employ DPFs (reduce PM emissions by 85%, increase diesel fuel use by 3%)	0.23	1.30	2.25	Moderately High	Immediate / higher upfront	Business - Evenly Distributed	Low	Constant / even	
TLU Goal 1.D - Decrease GHG Via Changes in Driver Behavior and Reducing Congestion									
TLU Action 1.D.1. Reduce Speed limits									
Enforce Current Speed Limits on Highways	0.06	0.18	0.25	Low	Constant / even	Government - State	Moderate	Low short-term / Mostly long-term	Consumer - Evenly Distributed
Lower Posted Speed Limits on Highways	0.11	0.35	0.48	Low	Constant / even	Government - State	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 1.D.2. Reduce Vehicle Idling	0.01	0.02	0.03	Low	Constant / even	Business - Evenly Distributed	Moderately Low	Constant / even	Business - Evenly Distributed
TLU Action 1.D.3. Improve Traffic Flow.	0.01	0.04	0.06	Low	Constant / even	Government - State	Moderately Low	Low short-term / Mostly long-term	Evenly Distributed
TLU Action 1.D.4 - Reduce Emissions through Enhanced Vehicle Inspection Programs	0.03	0.09	0.12	Moderately Low	Constant / even	Evenly Distributed	Low	Constant / even	Evenly Distributed

TLU Goal 2 - Reduce Vehicle Miles Traveled									
Light Duty									
0.5% below BAU by 2050 [0% by 2012, 0.2% by 2025]	0.00	0.01	0.04						
1% below BAU by 2050 [0.1% by 2012, 0.4% by 2025]	0.00	0.02	0.08						
5% below BAU by 2050 [0.4% by 2012, 2% by 2025]	0.02	0.12	0.41	N / A	N / A	N / A	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
10% below BAU by 2050 [0.7% by 2012, 4% by 2025]	0.04	0.24	0.82	N / A	N / A	N / A	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
20% below BAU by 2050 [1% by 2012, 8% by 2025]	0.08	0.47	1.63	N / A	N / A	N / A	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
30% below BAU by 2050 [2% by 2012, 12% by 2025]	0.12	0.71	2.45	N / A	N / A	N / A	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
40% below BAU by 2050 [3% by 2012, 16% by 2025]	0.16	0.95	3.27	N / A	N / A	N / A	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
50% below BAU by 2050 [4% by 2012, 20% by 2025]	0.20	1.18	4.08	N / A	N / A	N / A	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
Heavy Duty									
0.5% below BAU by 2050 [0% by 2012, 0.2% by 2025]	0.00	0.00	0.02						
1% below BAU by 2050 [0.1% by 2012, 0.4% by 2025]	0.00	0.00	0.04						
5% below BAU by 2050 [0.4% by 2012, 2% by 2025]	0.01	0.05	0.21	N / A	N / A	N / A	Moderate	Low short-term / Mostly long-term	Business - Evenly Distributed
10% below BAU by 2050 [0.7% by 2012, 4% by 2025]	0.01	0.09	0.42	N / A	N / A	N / A	Moderate	Low short-term / Mostly long-term	Business - Evenly Distributed
20% below BAU by 2050 [1% by 2012, 8% by 2025]	0.03	0.19	0.84	N / A	N / A	N / A	Moderate	Low short-term / Mostly long-term	Business - Evenly Distributed
30% below BAU by 2050 [2% by 2012, 12% by 2025]	0.04	0.28	1.26	N / A	N / A	N / A	Moderately High	Low short-term / Mostly long-term	Business - Evenly Distributed

40% below BAU by 2050 [3% by 2012, 16% by 2025]	0.05	0.38	1.68	N / A	N / A	N / A	Moderately High	Low short-term / Mostly long-term	Business - Evenly Distributed
50% below BAU by 2050 [4% by 2012, 20% by 2025]	0.07	0.47	2.10	N / A	N / A	N / A	Moderately High	Low short-term / Mostly long-term	Business - Evenly Distributed
TLU Goal 2.A - Change Consumer Behavior to Reduce Travel Demand									
TLU Action 2.A.1. Implement Commuting Trip Reduction Initiative	0.03	0.13	0.17	Moderately Low	Constant / even	Business	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 2.A.2 - Implement Congestion Pricing	0.03	0.03	0.04	Moderate	Immediate / higher upfront	Evenly Distributed	Moderate	Low short-term / Mostly long-term	Evenly Distributed
TLU Action 2.A.3 - Create a VMT-Based Insurance Premium Structure									
2.7% reduction in total light duty VMT	0.15	0.16	0.22	Moderately Low	Constant / even	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly
5% reduction in total light duty VMT	0.28	0.30	0.41	Moderately Low	Constant / even	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly
7% reduction in total light duty VMT	0.39	0.42	0.57	Moderately Low	Constant / even	Evenly Distributed	High	Low short-term / Mostly long-term	Consumer - Evenly
TLU Action 2.A.4 - Implement VMT-Based Vehicle Registration Fees							supporting mechanism		Evenly Distributed
2.7% reduction in total light duty VMT	0.15	0.16	0.22	Low	Constant / even	Government - State	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly
5% reduction in total light duty VMT	0.28	0.30	0.41	Low	Constant / even	Government - State	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly
7% reduction in total light duty VMT	0.39	0.42	0.57	Low	Constant / even	Government - State	High	Low short-term / Mostly long-term	Consumer - Evenly
TLU Action 2.A.5 - Increase the State Gasoline Tax	0.22	0.67	1.47	High	Constant / even	Evenly Distributed	Very High	Constant / even	Evenly Distributed

TLU Action 2.A.6. - Apply a Surcharge to High Carbon Fuels	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Study			supporting mechanism		
TLU Action 2.A.7 - Create Initiative to Reduce Availability of Free and Inexpensive Parking	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Immediate / higher upfront		supporting mechanism		
TLU Goal 2.B - Establish a Balanced, Integrated, Multi-modal Transportation System									
TLU Subgoal 2.B.1. Increase the Use of Alternative Modes for Local/Intra-Regional Travel									
TLU Action 2.B.1.a - Expand Local/Intra-Regional Transit (Bus) Service	Quantified together with TLU Action 2.B.1.b.								
TLU Action 2.B.1.b - Improve Existing Local/Intra-Regional Transit (Bus) Service	0.01	0.11	0.29	Moderately Low	Constant / even	Consumer - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 2.B.1.c - Expand and Improve Bicycle and Pedestrian Infrastructure	0.02	0.08	0.11	Moderately Low	Constant / even	Consumer - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Subgoal 2.B.2. Increase the Use of Alternative Modes for Inter-City Travel									
TLU Action 2.B.2.a - Maintain and Expand Passenger Rail Service	0.00	0.05	0.15	Moderate	Constant / even	Evenly Distributed	Very High	Constant / even	Evenly Distributed
TLU Action 2.B.2.b - Maintain and Expand Freight Rail Service	*Analysis underway*								
TLU Action 2.B.2.c - Implement Dedicated Funding Stream to Support Public Transportation	Essential action but not individually quantified; quantified as part of TLU Goal 2			Study			supporting mechanism		Evenly Distributed

TLU Action 2.B.2.d - Implementation Recommendations of the I-93 Transit Investment Study	[illegible]	[illegible]	[illegible]	Moderately High	Immediate / higher upfront	Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 2.B.2.e - Expand Park-and-Ride Infrastructure	0.03	0.04	0.05	Moderately Low	Constant / even		Moderate	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 2.B.2.f - Provide Financial Support of Transportation Management Associations	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	supporting mechanism		Evenly Distributed
TLU Action 2.B.2.g - Expand Inter-City Bus Service	Quantified together with TLU Action 2.B.1.b.								
TLU Action 2.B.2.h - Improve Existing Inter-City Bus Service to Increase Ridership	0.01	0.02	0.15	Moderately Low	Constant / even	Consumer - Evenly Distributed	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Goal 2.C - Develop Land Use Patterns that Support a Balanced Multi-Modal Transportation System and Reduce Vehicle Miles Traveled									
Directing in-community only growth to their center areas [0%, 0.5% and 2% light duty VMT reduction by 2012, 2025, and 2050 respectively]	0.00	0.03	0.16	Not Calculated	Not Calculated	Not Calculated	Moderately High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
Directing 60% of all NH growth to center areas of 14 largest, densest communities in central / southern / southeastern NH with walkable design and an integrated mix of uses [0%, 4% and 8% light duty VMT reduction by 2012, 2025, and 2050 respectively]	0.00	0.24	0.65	Not Calculated	Not Calculated	Not Calculated	High	Low short-term / Mostly long-term	Consumer - Evenly Distributed

Directing 90% of all NH growth to center areas of 14 largest, densest communities in central / southern / southeastern NH with walkable design and an integrated mix of uses [0%, 7% and 11% light duty VMT reduction by 2012, 2025, and 2050 respectively]	0.00	0.42	0.90	Not Calculated	Not Calculated	Not Calculated	Very High	Low short-term / Mostly long-term	Consumer - Evenly Distributed
TLU Action 2.C.1.a - Assess GHG Development Impact Fees	Essential action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	supporting mechanism		
TLU Action 2.C.1.b - Streamline Approvals for Low-GHG Development Projects	Essential action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	supporting mechanism		
TLU Action 2.C.2 - Develop Model Zoning to Support Bus/Rail Transit	Essential action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	supporting mechanism		
TLU Action 2.C.3 - Develop Model Zoning for Higher-Density, Mixed-Use Development	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	supporting mechanism		
TLU Action 2.C.4 - Use State Funding and Grants to Encourage Low-GHG-Impact Development	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Immediate / higher upfront	Government - State	supporting mechanism		
TLU Action 2.C.5 - Enable/Apply a Two-Rate Tax Structure Based on GHG-Impact	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Immediate / higher upfront	Government - State	supporting mechanism		
TLU Action 2.C.6 - Promote Availability and Use of Location Efficient Mortgages	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	Moderately Low	Constant / even	Consumer - Evenly Distributed
TLU Action 2.C.7 - Establish Entity(ies) to Support Compact Land Use Patterns and Open Space Preservation	Complementary action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / even	Government - State	supporting mechanism		

TLU Action 2.C.8 - Continue/Expand Funding, Education and Technical Assistance to Municipalities	Essential action but not individually quantified; quantified as part of TLU Goal 2			Low	Constant / Even	Government State	Supporting mechanism		
COMBINATION STRATEGIES									
Light Duty: [50MPG, VMT 40% below BAU, 10% lower Carbon fuels] + Heavy Duty [fuel econ standards for Heavy Duty Trucks, VMT 40% below BAU, 10% lower Carbon fuels]	0.69	4.62	8.87						