Light Duty Vehicles Total New Vehicle Costs of Vehicles and Chargers ($millions)

Scenario	Vehicle Type	2020	2021	2022	2025	2030	2035	2040	2045	2050	Total
Reference	Battery Electric	$ 500	$ 561	$ 631	$ 1,555	$ 3,488	$ 4,846	$ 5,815	$ 6,423	$ 7,052	$ 131,675
Reference	CNG	$ 4	$ 3	$ 3	$ 1	$ -	$ -	$ -	$ -	$ -	$ 18
Reference	Diesel	$ 1,584	$ 1,576	$ 1,573	$ 1,517	$ 1,496	$ 1,499	$ 1,483	$ 1,450	$ 1,454	$ 46,349
Reference	Gasoline	$ 21,035	$ 20,383	$ 19,711	$ 16,318	$ 12,225	$ 10,419	$ 8,649	$ 6,859	$ 5,798	$ 352,820
Reference	Hydrogen Fuel Cell	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Reference	Plug in Hybrid Electric	$ 224	$ 309	$ 415	$ 1,618	$ 2,728	$ 3,235	$ 3,595	$ 3,921	$ 4,327	$ 88,786
Reference	Total	$ 23,346	$ 22,832	$ 22,333	$ 21,010	$ 19,937	$ 19,998	$ 19,542	$ 18,653	$ 18,632	$ 619,647

Scenario Minus Reference Case Light Duty Vehicles Total New Vehicle Costs of Vehicles and Chargers ($millions)

Scenario	Vehicle Type	2020	2021	2022	2025	2030	2035	2040	2045	2050	Total
AP Recommendations	Battery Electric	$ -	$ 53	$ 81	$ 97	$ 8,983	$ 12,572	$ 10,884	$ 9,443	$ 8,893	$ 238,314
AP Recommendations	CNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
AP Recommendations	Diesel	$ (264)	$ (394)	$ (524)	$ (885)	$ (1,496)	$ (1,499)	$ (1,483)	$ (1,450)	$ (1,454)	$ (39,229)
AP Recommendations	Gasoline	$ 264	$ 326	$ 361	$ 149	$ (6,176)	$ (10,409)	$ (8,649)	$ (6,859)	$ (5,798)	$ (177,973)
AP Recommendations	Hydrogen Fuel Cell	$ -	$ -	$ 86	$ 271	$ 435	$ 362	$ 325	$ 309	$ 309	$ 9,342
AP Recommendations	Plug in Hybrid Electric	$ -	$ 32	$ 56	$ 496	$ (2,728)	$ (3,235)	$ (3,595)	$ (3,921)	$ (4,327)	$ (76,751)
AP Recommendations	Total	$ (0)	$ 17	$ 60	$ 128	$ (982)	$ (2,208)	$ (2,518)	$ (2,478)	$ (2,377)	$ (46,297)
Strategic Use of Low-Carbon Fuels	Battery Electric	$ -	$ 384	$ 592	$ 1,363	$ 11,206	$ 11,158	$ 9,521	$ 8,148	$ 7,592	$ 232,123
Strategic Use of Low-Carbon Fuels	CNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Strategic Use of Low-Carbon Fuels	Diesel	$ (264)	$ (394)	$ (524)	$ (885)	$ (1,496)	$ (1,499)	$ (1,483)	$ (1,450)	$ (1,454)	$ (39,229)
Strategic Use of Low-Carbon Fuels	Gasoline	$ 264	$ (86)	$ (542)	$ (3,234)	$ (10,216)	$ (10,419)	$ (8,649)	$ (6,859)	$ (5,798)	$ (213,449)
Strategic Use of Low-Carbon Fuels	Hydrogen Fuel Cell	$ -	$ -	$ 430	$ 1,354	$ 2,176	$ 1,812	$ 1,626	$ 1,544	$ 1,546	$ 46,709
Strategic Use of Low-Carbon Fuels	Plug in Hybrid Electric	$ -	$ 216	$ 393	$ 2,115	$ (2,728)	$ (3,235)	$ (3,595)	$ (3,921)	$ (4,327)	$ (70,175)
Strategic Use of Low-Carbon Fuels	Total	$ (0)	$ 120	$ 349	$ 714	$ (1,058)	$ (2,182)	$ (2,580)	$ (2,538)	$ (2,443)	$ (44,022)
Accelerated Transition Away from Combustion	Battery Electric	$ -	$ 384	$ 651	$ 1,621	$ 10,639	$ 11,643	$ 11,694	$ 9,941	$ 9,011	$ 285,297
Accelerated Transition Away from Combustion	CNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1
Accelerated Transition Away from Combustion	Diesel	$ (264)	$ (394)	$ (524)	$ (885)	$ (1,496)	$ (1,499)	$ (1,483)	$ (1,450)	$ (1,454)	$ (38,820)
Accelerated Transition Away from Combustion	Gasoline	$ 264	$ (86)	$ (377)	$ (2,850)	$ (11,910)	$ (10,419)	$ (8,649)	$ (6,859)	$ (5,798)	$ (222,556)
Accelerated Transition Away from Combustion	Hydrogen Fuel Cell	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Accelerated Transition Away from Combustion	Plug in Hybrid Electric	$ -	$ 216	$ 432	$ 2,444	$ (2,728)	$ (3,235)	$ (3,595)	$ (3,921)	$ (4,327)	$ (61,732)
Accelerated Transition Away from Combustion	Total	$ (0)	$ 120	$ 181	$ 330	$ (5,495)	$ (3,510)	$ (2,033)	$ (2,289)	$ (2,569)	$ (37,810)
Beyond 85% Reductions	Battery Electric	$ -	$ 384	$ 651	$ 1,621	$ 10,639	$ 11,643	$ 11,694	$ 9,941	$ 9,011	$ 285,297
Beyond 85% Reductions	CNG	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1
Beyond 85% Reductions	Diesel	$ (264)	$ (394)	$ (524)	$ (885)	$ (1,496)	$ (1,499)	$ (1,483)	$ (1,450)	$ (1,454)	$ (38,820)
Beyond 85% Reductions	Gasoline	$ 264	$ (86)	$ (377)	$ (2,850)	$ (11,910)	$ (10,419)	$ (8,649)	$ (6,859)	$ (5,798)	$ (222,556)
Beyond 85% Reductions	Hydrogen Fuel Cell	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Beyond 85% Reductions	Plug in Hybrid Electric	$ -	$ 216	$ 432	$ 2,444	$ (2,728)	$ (3,235)	$ (3,595)	$ (3,921)	$ (4,327)	$ (61,732)
Beyond 85% Reductions	Total	$ (0)	$ 120	$ 181	$ 330	$ (5,495)	$ (3,510)	$ (2,033)	$ (2,289)	$ (2,569)	$ (37,810)