

D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	SIDI: FRFG2, ETBE	SIDI: FRFG2, EtOH	SIDI: CARFG2, ETBE	SIDI: CARFG2, EtOH	Dedi. MeOH SIDI: NG	Dedi. MeOH SIDI: M90, FG	Dedi. MeOH SIDI: M90, LFG	Dedi EtOH SIDI: E90, corn	Dedi. EtOH SIDI: E90, WB	Dedi. EtOH SIDI: E90, HB	GI SIDI HEV: FRFG2, MTBE
Total energy	-20.0%	-20.0%	-20.0%	-20.0%	-6.7%	-2.3%	-16.1%	-3.3%	38.6%	26.9%	-47.4%
Fossil fuels	-20.0%	-20.0%	-19.0%	-19.3%	-6.2%	-54.4%	-68.1%	-56.2%	-84.5%	-80.9%	-47.4%
Petroleum	-20.0%	-20.0%	-17.2%	-19.2%	-82.1%	-82.1%	-82.6%	-83.7%	-81.8%	-83.4%	-47.4%
VOC: Total	-12.8%	-9.7%	-12.8%	-9.7%	-27.0%	-166.2%	-47.0%	64.7%	-3.8%	-8.7%	-29.5%
VOC: Urban	-7.8%	-3.6%	-7.8%	-3.6%	-17.8%	-17.8%	-21.9%	-15.6%	-15.6%	-15.7%	-33.9%
CO: Total	-0.8%	-0.7%	-0.8%	-0.7%	0.3%	-1.4%	-11.0%	0.9%	7.6%	6.1%	-1.9%
CO: Urban	-0.1%	0.0%	-0.1%	0.0%	-0.2%	-0.2%	-3.9%	0.0%	0.0%	0.0%	-0.1%
NOx: Total	-14.4%	-13.5%	-14.4%	-13.5%	-18.2%	-67.5%	-32.2%	94.5%	148.9%	152.6%	-31.7%
NOx: Urban	-3.2%	-2.6%	-3.2%	-2.6%	-9.0%	-9.0%	-22.5%	1.3%	-0.6%	0.0%	-6.1%
PM10: Total	-6.7%	-2.9%	-6.7%	-2.9%	-25.6%	-36.7%	-260.5%	386.9%	55.2%	43.3%	-12.2%
PM10: Urban	17.7%	18.1%	17.7%	18.1%	-2.5%	-2.5%	-191.6%	-0.1%	-0.3%	-0.2%	7.8%
SOx: Total	-20.0%	-20.0%	-20.0%	-20.0%	-76.3%	-76.7%	21.2%	93.6%	-91.4%	-73.6%	-47.4%
SOx: Urban	-20.0%	-20.0%	-20.5%	-20.5%	-80.6%	-80.6%	-218.1%	-85.0%	-85.7%	-85.3%	-47.4%
CH4	-18.3%	-18.0%	-18.3%	-18.0%	-35.0%	-39.3%	-381.6%	-29.1%	-66.6%	-60.6%	-43.4%
N2O	-7.6%	-5.0%	-7.6%	-5.0%	-1.6%	-3.8%	-0.7%	286.3%	82.7%	314.2%	-2.3%
CO2	-20.0%	-19.7%	-20.0%	-19.8%	-24.7%	-82.5%	-143.7%	-55.2%	-106.0%	-89.9%	-47.4%
GHGs	-19.6%	-19.3%	-19.6%	-19.4%	-24.7%	-79.8%	-148.5%	-46.8%	-100.7%	-79.9%	-46.5%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	GI SIDI HEV: FRFG2, ETBE	GI SIDI HEV: FRFG2, EtOH	GI SI HEV: CNG	GI SI HEV: LNG	GI SI HEV: LPG, crude	GI SI HEV: LPG, NG	GI SIDI HEV: M90, NG	GI SIDI HEV: M90, FG	GI SIDI HEV: M90 LFG	GI SIDI HEV: E90, corn	GI SIDI HEV: E90, WB
Total energy	-47.4%	-47.4%	-43.5%	-41.7%	-46.2%	-46.7%	-37.0%	-34.1%	-43.2%	-36.4%	-8.8%
Fossil fuels	-47.4%	-47.4%	-44.1%	-41.4%	-46.2%	-46.6%	-36.7%	-68.4%	-77.4%	-71.2%	-89.8%
Petroleum	-47.4%	-47.4%	-99.6%	-97.5%	-36.1%	-98.8%	-87.3%	-87.3%	-87.7%	-89.3%	-88.0%
VOC: Total	-31.7%	-28.1%	-67.0%	-62.3%	-55.9%	-61.5%	-37.4%	-129.0%	-50.6%	20.0%	-25.0%
VOC: Urban	-34.0%	-25.8%	-56.6%	-57.9%	-50.9%	-48.1%	-27.4%	-27.4%	-30.2%	-25.8%	-25.9%
CO: Total	-2.0%	-1.7%	-21.2%	-20.3%	-21.5%	-21.8%	-1.0%	-2.1%	-8.5%	-0.6%	3.8%
CO: Urban	-0.1%	-0.1%	-19.8%	-20.1%	-20.0%	-20.0%	-0.2%	-0.2%	-2.6%	-0.1%	-0.1%
NOx: Total	-34.1%	-32.0%	-12.4%	8.1%	-40.4%	-44.5%	-30.5%	-62.9%	-39.7%	39.1%	74.9%
NOx: Urban	-7.5%	-6.1%	26.2%	-8.4%	-5.4%	-5.7%	-10.3%	-10.3%	-19.2%	-3.2%	-4.5%
PM10: Total	-28.1%	-22.6%	-41.6%	-38.9%	-38.8%	-44.5%	-31.5%	-38.9%	-186.1%	232.1%	13.8%
PM10: Urban	7.2%	7.7%	-24.5%	-25.5%	-24.9%	-24.9%	-9.9%	-9.9%	-134.3%	-8.2%	-8.3%
SOx: Total	-47.4%	-47.4%	-59.3%	-85.6%	-66.6%	-81.7%	-76.8%	-77.1%	-12.7%	27.4%	-94.4%
SOx: Urban	-47.4%	-47.4%	-88.0%	-98.9%	-94.4%	-94.5%	-87.2%	-87.2%	-177.7%	-90.1%	-90.6%
CH4	-43.4%	-42.6%	26.4%	26.2%	-51.2%	-46.8%	-52.9%	-55.7%	-280.9%	-48.2%	-72.8%
N2O	-17.9%	-11.9%	-49.9%	-49.4%	-3.3%	-3.3%	-2.3%	-3.7%	-1.8%	179.8%	45.8%
CO2	-47.4%	-47.2%	-54.9%	-54.9%	-49.1%	-50.1%	-48.8%	-86.9%	-127.1%	-70.2%	-103.6%
GHGs	-46.5%	-46.3%	-52.3%	-52.3%	-48.4%	-49.2%	-48.1%	-84.4%	-129.6%	-63.9%	-99.4%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	GI SIDI HEVs: E90, HB	GC SIDI HEV: FRFG2, MTBE, US mix	GC SIDI HEV: FRFG2, ETBE, US mix	GC SIDI HEV: FRFG2, EtOH, US mix	GC SIDI HEV: FRFG2, MTBE, CA mix	GC SIDI HEV: FRFG2, ETBE, CA mix	GC SIDI HEV: FRFG2, EtOH, CA mix	GC SI HEV: CNG, US mix	GC SI HEV: CNG, CA mix	GC SI HEV: LNG, US mix	GC SI HEV: LNG, CA mix
Total energy	-16.5%	-43.7%	-43.8%	-43.7%	-43.9%	-44.0%	-43.9%	-40.8%	-41.0%	-39.5%	-39.7%
Fossil fuels	-87.5%	-48.2%	-47.1%	-47.3%	-55.5%	-54.8%	-54.9%	-45.7%	-53.0%	-43.8%	-51.1%
Petroleum	-89.1%	-60.7%	-60.4%	-61.4%	-61.0%	-60.7%	-61.7%	-99.4%	-99.6%	-97.8%	-98.1%
VOC: Total	-28.3%	-46.7%	-48.6%	-45.9%	-49.1%	-50.7%	-48.1%	-73.2%	-75.7%	-69.8%	-72.3%
VOC: Urban	-25.9%	-44.3%	-44.4%	-41.4%	-44.3%	-44.4%	-41.3%	-69.5%	-69.5%	-70.4%	-70.4%
CO: Total	2.8%	-30.7%	-30.8%	-30.5%	-30.9%	-31.0%	-30.8%	-44.2%	-44.4%	-43.6%	-43.8%
CO: Urban	-0.1%	-30.0%	-30.1%	-30.0%	-30.0%	-30.1%	-30.0%	-43.8%	-43.8%	-44.0%	-44.0%
NOx: Total	77.3%	-2.2%	-11.3%	-3.3%	-36.3%	-40.2%	-36.7%	11.8%	-22.3%	26.6%	-7.4%
NOx: Urban	-4.1%	-31.3%	-32.3%	-31.3%	-30.5%	-31.6%	-30.6%	-8.0%	-7.2%	-33.0%	-32.2%
PM10: Total	6.0%	-4.2%	-30.5%	-21.3%	-22.4%	-40.4%	-34.1%	-25.0%	-43.1%	-23.1%	-41.2%
PM10: Urban	-8.3%	-9.1%	-9.6%	-9.1%	-8.9%	-9.4%	-8.9%	-31.6%	-31.5%	-32.4%	-32.2%
SOx: Total	-82.7%	81.0%	53.4%	68.0%	-40.0%	-44.3%	-42.1%	72.6%	-48.5%	53.6%	-67.5%
SOx: Urban	-90.3%	-59.2%	-59.2%	-59.2%	-61.3%	-61.4%	-61.4%	-88.1%	-90.3%	-96.0%	-98.2%
CH4	-68.9%	-43.8%	-44.0%	-40.0%	-50.2%	-50.3%	-47.7%	5.9%	-0.5%	5.8%	-0.6%
N2O	198.1%	-28.1%	-39.9%	-35.4%	-29.9%	-41.1%	-36.8%	-61.4%	-63.2%	-61.0%	-62.8%
CO2	-92.9%	-46.1%	-46.5%	-45.8%	-56.0%	-56.2%	-55.8%	-51.4%	-61.3%	-51.4%	-61.3%
GHGs	-85.7%	-45.7%	-46.3%	-45.4%	-55.4%	-55.6%	-55.2%	-49.8%	-59.5%	-49.8%	-59.5%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	GC SI HEV: LPG, crude, US mix	GC SI HEV: LPG, NG, US mix	GC SI HEV: LPG, crude, CA mix	GC SI HEV: LPG, NG, CA mix	GC SIDI HEV: M90, NG, US mix	GC SIDI HEV: M90, FG, US mix	GC SIDI HEV: M90, LFG, US mix	GC SIDI HEV: M90, NG, CA mix	GC SIDI HEV: M90, FG, CA mix	GC SIDI HEV: M90, LFG, CA mix	GC SIDI HEV: E90, corn, US mix
Total energy	-42.7%	-43.1%	-42.9%	-43.3%	-36.2%	-34.1%	-40.6%	-36.4%	-34.3%	-40.8%	-35.8%
Fossil fuels	-47.2%	-47.5%	-54.6%	-54.8%	-40.5%	-63.3%	-69.8%	-47.8%	-70.7%	-77.1%	-64.8%
Petroleum	-53.6%	-98.8%	-53.8%	-99.0%	-90.5%	-90.5%	-90.7%	-90.8%	-90.8%	-91.0%	-91.9%
VOC: Total	-65.3%	-69.3%	-67.8%	-71.7%	-52.4%	-118.2%	-61.8%	-54.8%	-120.6%	-64.2%	-11.2%
VOC: Urban	-65.5%	-63.4%	-65.4%	-63.4%	-49.1%	-49.1%	-51.0%	-49.0%	-49.0%	-51.0%	-47.9%
CO: Total	-44.4%	-44.6%	-44.6%	-44.8%	-30.0%	-30.9%	-35.4%	-30.3%	-31.1%	-35.6%	-29.8%
CO: Urban	-44.0%	-44.0%	-44.0%	-44.0%	-30.1%	-30.1%	-31.9%	-30.1%	-30.1%	-31.9%	-30.0%
NOx: Total	-8.4%	-11.3%	-42.4%	-45.4%	-1.3%	-24.7%	-8.0%	-35.4%	-58.7%	-42.0%	48.0%
NOx: Urban	-30.8%	-31.0%	-30.0%	-30.2%	-34.3%	-34.3%	-40.7%	-33.6%	-33.6%	-40.0%	-29.2%
PM10: Total	-22.9%	-27.0%	-41.1%	-45.2%	-18.0%	-23.2%	-129.1%	-36.1%	-41.3%	-147.2%	161.9%
PM10: Urban	-31.9%	-31.9%	-31.7%	-31.7%	-21.4%	-21.4%	-110.9%	-21.3%	-21.3%	-110.7%	-20.2%
SOx: Total	67.3%	56.4%	-53.8%	-64.7%	59.9%	59.7%	106.0%	-61.2%	-61.4%	-15.1%	121.8%
SOx: Urban	-92.7%	-92.8%	-94.9%	-95.0%	-87.6%	-87.6%	-152.6%	-89.8%	-89.8%	-154.8%	-89.6%
CH4	-49.3%	-46.2%	-55.7%	-52.6%	-50.6%	-52.6%	-214.5%	-57.0%	-59.0%	-220.9%	-44.1%
N2O	-28.8%	-28.8%	-30.6%	-30.6%	-28.1%	-29.1%	-27.7%	-29.9%	-30.9%	-29.5%	50.1%
CO2	-47.2%	-47.9%	-57.1%	-57.8%	-47.1%	-74.4%	-103.4%	-57.1%	-84.4%	-113.3%	-62.3%
GHGs	-46.9%	-47.5%	-56.6%	-57.2%	-46.9%	-73.0%	-105.5%	-56.6%	-82.6%	-115.2%	-59.3%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	GC SIDI HEV: E90, WB, US mix	GC SIDI HEV: E90, HB, US mix	GC SIDI HEV: E90, corn, CA mix	GC SIDI HEV: E90, WB, CA mix	GC SIDI HEV: E90, HB, CA mix	CIDI: RFD	CIDI: DME, NG	CIDI: DME, FG	CIDI: FT50, NG	CIDI: FT50, FG	CIDI: BD20
Total energy	-16.0%	-21.5%	-36.0%	-16.2%	-21.7%	-35.1%	-17.7%	-14.4%	-21.3%	-13.2%	-31.4%
Fossil fuels	-78.2%	-76.5%	-72.4%	-85.8%	-84.1%	-35.0%	-17.2%	-67.4%	-21.1%	-38.6%	-31.6%
Petroleum	-91.0%	-91.8%	-92.2%	-91.3%	-92.0%	-25.0%	-97.9%	-97.9%	-59.9%	-59.9%	-36.7%
VOC: Total	-43.6%	-46.0%	-13.5%	-45.9%	-48.2%	-45.0%	-62.6%	-196.0%	-51.2%	-128.5%	-18.1%
VOC: Urban	-47.9%	-48.0%	-47.9%	-47.9%	-47.9%	-38.5%	-58.9%	-58.9%	-40.4%	-40.4%	-36.0%
CO: Total	-26.6%	-27.3%	-30.0%	-26.8%	-27.5%	-1.9%	-0.4%	-2.4%	-1.7%	-2.4%	-0.2%
CO: Urban	-30.0%	-30.0%	-30.0%	-30.0%	-30.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%	0.4%
NOx: Total	73.8%	75.5%	14.5%	40.2%	42.0%	-19.0%	-18.0%	-71.9%	-25.7%	-51.5%	15.0%
NOx: Urban	-30.1%	-29.8%	-28.4%	-29.3%	-29.1%	23.0%	17.9%	17.9%	20.6%	20.6%	40.4%
PM10: Total	5.0%	-0.6%	149.1%	-7.8%	-13.4%	-15.2%	-42.0%	-55.1%	-31.6%	-36.4%	-8.4%
PM10: Urban	-20.3%	-20.2%	-20.0%	-20.1%	-20.1%	-1.7%	-17.2%	-17.2%	-9.4%	-9.4%	-2.0%
SOx: Total	34.3%	42.7%	11.7%	-75.8%	-67.4%	-34.1%	-82.2%	-83.3%	-58.4%	-58.0%	-32.6%
SOx: Urban	-90.0%	-89.8%	-91.8%	-92.2%	-92.0%	6.8%	-95.7%	-95.7%	-42.2%	-42.2%	-9.6%
CH4	-61.8%	-59.0%	-51.8%	-69.5%	-66.7%	-51.0%	-49.2%	-49.1%	-51.2%	-50.8%	-53.1%
N2O	-46.2%	63.3%	48.6%	-47.7%	61.8%	-21.3%	-23.4%	-26.4%	-23.7%	-24.2%	-13.4%
CO2	-86.4%	-78.7%	-72.4%	-96.4%	-88.7%	-32.3%	-35.7%	-94.6%	-31.6%	-61.2%	-40.1%
GHGs	-84.8%	-75.0%	-69.1%	-94.6%	-84.7%	-32.7%	-35.9%	-92.0%	-32.1%	-60.2%	-40.0%

D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	GI CIDI HEV: RFD	GI CIDI HEV: DME, NG	GI CIDI HEV: DME, FG	GI CIDI HEV: FT50, NG	GI CIDI HEV: FT50, FG	GI CIDI HEV: BD20	GC CIDI HEV: RFD, US mix	GC CIDI HEV: RFD CA mix	GC CIDI HEV: DME, NG, US mix	GC CIDI HEV: DME, FG, US mix	GC CIDI HEV: DME, NG, CA mix
Total energy	-57.7%	-46.3%	-44.2%	-48.7%	-43.3%	-55.3%	-49.4%	-49.6%	-39.6%	-38.0%	-39.8%
Fossil fuels	-57.6%	-46.0%	-78.7%	-48.5%	-59.9%	-55.4%	-54.5%	-62.9%	-44.5%	-68.5%	-52.9%
Petroleum	-51.1%	-98.6%	-98.6%	-73.8%	-73.8%	-58.7%	-65.5%	-65.8%	-98.6%	-98.5%	-98.9%
VOC: Total	-50.7%	-66.2%	-153.2%	-54.8%	-105.3%	-33.1%	-61.5%	-64.3%	-72.1%	-135.8%	-74.9%
VOC: Urban	-9.4%	-13.9%	-13.9%	-41.2%	-41.2%	-38.3%	-57.9%	-57.8%	-71.3%	-71.3%	-71.3%
CO: Total	-2.6%	-1.6%	-3.0%	-2.5%	-3.0%	-1.5%	-31.2%	-31.4%	-30.4%	-31.4%	-30.7%
CO: Urban	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	0.2%	-30.1%	-30.1%	-30.1%	-30.1%	-30.1%
NOx: Total	-31.9%	-31.2%	-66.4%	-36.2%	-53.1%	-9.7%	4.0%	-34.9%	5.3%	-20.4%	-33.6%
NOx: Urban	2.7%	2.2%	2.2%	19.1%	19.1%	32.0%	-15.3%	-14.5%	-14.6%	-14.6%	-13.7%
PM10: Total	-23.3%	-43.9%	-52.5%	-35.5%	-38.7%	-19.9%	-9.0%	-29.7%	-23.2%	-29.5%	-43.9%
PM10: Urban	-2.6%	-19.7%	-19.7%	-9.8%	-9.8%	-4.2%	-16.9%	-16.7%	-26.6%	-26.6%	-26.4%
SOx: Total	-57.0%	-88.4%	-89.1%	-72.9%	-72.6%	-56.1%	93.7%	-44.7%	72.2%	71.7%	-66.2%
SOx: Urban	-4.7%	-15.0%	-15.0%	-62.3%	-62.3%	-41.1%	-50.1%	-52.6%	-94.3%	-94.3%	-96.8%
CH4	-67.5%	-65.8%	-65.7%	-67.6%	-67.4%	-68.9%	-59.5%	-66.8%	-57.2%	-57.1%	-64.5%
N2O	-22.2%	-23.5%	-25.5%	-23.8%	-24.1%	-17.0%	-41.6%	-43.6%	-42.5%	-44.0%	-44.6%
CO2	-55.8%	-58.1%	-96.5%	-55.4%	-74.7%	-60.8%	-50.8%	-62.2%	-50.9%	-79.0%	-62.3%
GHGs	-55.6%	-57.7%	-94.3%	-55.2%	-73.6%	-60.3%	-50.9%	-62.0%	-51.0%	-77.7%	-62.1%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	GC CIDI HEV: DME, FG, CA mix	GC CIDI HEV: FT50, NG, US mix	GC CIDI HEV: FT50, FG, US mix	GC CIDI HEV: FT50, NG, CA mix	GC CIDI HEV: FT50, FG, CA mix	GC CIDI HEV: BD20, US mix	GC CIDI HEV: BD20, CA mix	EV: US mix	EV: NE US mix	EV: CA mix	H2 FCV: NG, C. gaseous
Total energy	-38.2%	-41.3%	-37.4%	-41.5%	-37.6%	-46.1%	-46.4%	-29.6%	-31.1%	-30.3%	-59.7%
Fossil fuels	-76.9%	-46.3%	-54.7%	-54.7%	-63.1%	-51.4%	-59.8%	-46.8%	-51.1%	-74.7%	-60.3%
Petroleum	-98.9%	-80.4%	-80.4%	-80.7%	-80.7%	-69.3%	-69.6%	-98.5%	-97.9%	-99.6%	-99.7%
VOC: Total	-138.5%	-64.1%	-101.1%	-66.9%	-103.8%	-48.3%	-51.0%	-86.6%	-90.3%	-95.8%	-95.3%
VOC: Urban	-71.3%	-58.7%	-58.7%	-58.7%	-58.7%	-56.6%	-56.6%	-99.6%	-99.3%	-99.6%	-97.9%
CO: Total	-31.6%	-31.0%	-31.4%	-31.3%	-31.6%	-30.3%	-30.5%	-97.8%	-97.6%	-98.6%	-97.7%
CO: Urban	-30.1%	-30.1%	-30.1%	-30.1%	-30.1%	-29.8%	-29.8%	-99.9%	-99.8%	-99.9%	-99.6%
NOx: Total	-59.3%	1.6%	-10.7%	-37.2%	-49.6%	21.0%	-17.9%	87.9%	33.5%	-41.7%	-52.8%
NOx: Urban	-13.7%	-13.3%	-13.3%	-12.4%	-12.4%	-3.9%	-3.0%	-89.2%	-77.7%	-86.2%	-62.4%
PM10: Total	-50.2%	-17.2%	-19.6%	-37.9%	-40.3%	-5.9%	-26.6%	24.6%	-8.3%	-44.4%	-59.2%
PM10: Urban	-26.4%	-21.3%	-21.3%	-21.1%	-21.1%	-17.2%	-17.0%	-48.1%	-45.4%	-47.5%	-48.2%
SOx: Total	-66.7%	83.5%	83.7%	-54.8%	-54.6%	95.8%	-42.5%	445.6%	182.3%	-15.6%	-66.0%
SOx: Urban	-96.7%	-68.7%	-68.7%	-71.2%	-71.2%	-53.2%	-55.7%	-87.7%	-75.6%	-96.0%	-99.0%
CH4	-64.4%	-58.5%	-58.3%	-65.8%	-65.6%	-59.4%	-66.7%	-40.4%	-37.1%	-64.8%	-62.0%
N2O	-46.0%	-42.7%	-42.9%	-44.7%	-45.0%	-37.7%	-39.8%	-86.8%	-87.9%	-93.6%	-98.1%
CO2	-90.4%	-48.9%	-63.1%	-60.3%	-74.5%	-52.9%	-64.3%	-38.6%	-50.5%	-76.5%	-68.6%
GHGs	-88.8%	-49.1%	-62.6%	-60.2%	-73.7%	-52.9%	-63.9%	-39.5%	-50.8%	-76.5%	-68.9%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	H2 FCV: NG, station gaseous	H2 FCV: solar, gas	H2 FCV: solar, liquid	H2 FCV: NG, liquid	FCV: MeOH, NG	FCV: MeOH, FG
Total energy	-53.2%	-65.5%	-71.8%	-58.8%	-52.3%	-49.7%
Fossil fuels	-52.9%	-93.1%	-98.3%	-58.5%	-52.0%	-80.3%
Petroleum	-99.7%	-99.9%	-98.1%	-97.8%	-98.6%	-98.6%
VOC: Total	-93.8%	-95.3%	-91.3%	-88.5%	-73.3%	-154.9%
VOC: Urban	-93.9%	-97.1%	-97.4%	-97.2%	-74.5%	-74.5%
CO: Total	-96.8%	-98.7%	-99.0%	-97.4%	-78.4%	-79.5%
CO: Urban	-97.8%	-99.5%	-99.8%	-99.8%	-80.0%	-80.0%
NOx: Total	-44.1%	-48.2%	-76.6%	-55.3%	-66.5%	-95.4%
NOx: Urban	-5.1%	-47.4%	-87.9%	-86.7%	-81.4%	-81.4%
PM10: Total	-58.2%	-58.1%	-55.1%	-49.7%	-61.6%	-68.1%
PM10: Urban	-40.4%	-47.2%	-46.5%	-46.3%	-50.3%	-50.3%
SOx: Total	-91.7%	-63.5%	-97.5%	-90.6%	-87.8%	-88.0%
SOx: Urban	-99.4%	-98.8%	-97.2%	-97.1%	-97.0%	-97.0%
CH4	-46.1%	-86.7%	-98.8%	-62.6%	-67.8%	-70.3%
N2O	-96.4%	-97.9%	-99.3%	-97.7%	-79.1%	-80.4%
CO2	-63.7%	-93.4%	-98.3%	-67.7%	-62.8%	-96.7%
GHGs	-63.7%	-93.3%	-98.3%	-68.1%	-63.3%	-95.6%



D-II.3 Light-Duty Truck 2 (Cont.)

Parameter	FCV: MeOH, LFG	FCV: RFG	EtOH FCV: corn	EtOH FCV: WB	EtOH FCV: HB	NG FCV: CNG
Total energy	-57.8%	-50.0%	-37.8%	-7.2%	-15.7%	-52.0%
Fossil fuels	-88.3%	-50.0%	-77.5%	-97.4%	-94.9%	-52.5%
Petroleum	-98.9%	-50.0%	-96.5%	-94.9%	-96.2%	-99.7%
VOC: Total	-85.0%	-52.9%	2.0%	-51.1%	-54.9%	-88.6%
VOC: Urban	-76.9%	-54.3%	-72.6%	-72.6%	-72.7%	-87.9%
CO: Total	-85.1%	-78.8%	-77.9%	-73.0%	-74.1%	-79.1%
CO: Urban	-82.2%	-79.9%	-79.9%	-79.9%	-79.9%	-79.7%
NOx: Total	-74.7%	-59.9%	20.4%	60.5%	63.3%	-47.0%
NOx: Urban	-89.3%	-76.1%	-68.6%	-70.9%	-70.3%	-49.3%
PM10: Total	-199.2%	-49.2%	381.5%	40.0%	27.7%	-58.4%
PM10: Urban	-161.1%	-48.8%	-47.4%	-47.6%	-47.5%	-48.5%
SOx: Total	-30.6%	-54.1%	45.9%	-102.2%	-87.9%	-66.2%
SOx: Urban	-177.6%	-94.9%	-95.6%	-96.4%	-96.0%	-99.1%
CH4	-270.9%	-52.5%	-70.9%	-93.4%	-89.8%	-11.4%
N2O	-78.6%	-78.5%	204.7%	16.3%	230.5%	-78.9%
CO2	-132.5%	-50.0%	-76.4%	-113.1%	-101.4%	-61.6%
GHGs	-135.9%	-50.6%	-71.2%	-110.2%	-95.2%	-60.3%





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