

2021 PERFORMANCE DATA

Integrated Sustainability and Financial Report 2021 Ford Motor Company | sustainability.ford.com | shareholder.ford.com 2

Our Sustainability Aspirations

We are working to revolutionize mobility, fueled by new challenges and the desire to help build a better world for everyone.





Materials

Utilize only recycled or renewable content in vehicle plastics



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Safety

Work toward a future that is free from vehicle crashes and workplace injuries



Human Rights Source only raw

materials that are responsibly produced



Diversity, Equity and Inclusion

Create a truly diverse culture where everyone feels like they belong



Access

Drive human progress by providing mobility and accessibility for all

Performance Data

Financial

	2018	2019	2020
Revenue	\$160.3b	\$155.9b	\$127.1b
Net income attributable to Ford Motor Company	\$3.7b	\$47m	\$(1.3)b
Company adjusted EBIT ¹	\$7.0b	\$6.4b	\$2.8b
Company adjusted EBIT margin ¹	4.4%	4.1%	2.2%
Company adjusted free cash flow ¹	\$2.8b	\$2.8b	\$0.7b
Adjusted earnings per share ¹	\$1.30	\$1.19	\$0.41
Income taxes paid/(refunded)	\$821m	\$599m	\$421m

Innovation

	2018	2019	2020
Global utility patents issued	3,950	4,884	3,782
U.S. utility patents issued to Ford and subsidiaries	2,142	2,521	2,075

Product Quality and Customer Satisfaction

	2018 ²	2019	2020		
GQRS "Things Gone Wrong" (TGW) (three months in service) by Region (total TGW per 1,000 vehicles)					
North America	768	865	1,013		
South America	1,257	1,331	1,426		
Europe	1,006	1,214	988		
Asia Pacific	1,658	N/A	N/A		
Asia Pacific (excluding China and Taiwan)	N/A	1,506	N/A		
China (excluding Taiwan) ³	N/A	1,254	1,380		
Middle East & Africa	1,710	1,335	N/A		
International Markets Group (IMG)	N/A	N/A	1,130		

GQRS Customer Satisfaction (three months in service) by Region (percent highly satisfied)

North America	78	80	79
South America	59	61	63
Europe	65	66	65
Asia Pacific	48	N/A	N/A
Asia Pacific (excluding China and Taiwan)	N/A	66	N/A
China (excluding Taiwan) ³	N/A	58	51
Middle East & Africa	53	60	N/A
International Markets Group (IMG)	N/A	N/A	68

Workforce Profile

Total company

			_
	2018	2019	2020
Global Workforce by Region (percent) ⁴			
North America	50	52	54
South America	6	5	4
Europe	26	24	23
Asia Pacific	11	N/A	N/A
Asia Pacific (excluding China and Taiwan)	N/A	5	N/A
China (including Taiwan)	N/A	2	2
Middle East & Africa	2	3	N/A
International Markets Group (IMG)	N/A	N/A	8
Employment by Business Unit⁵			
Automotive	190,267	173,472	169,732
Ford Credit	7,561	6,782	6,258
Ford Smart Mobility	1,135	3,130	2,554
Corporate and Other	N/A	7,051	7,858
Total	198,963	190,435	186,401
		2019	2020
Total Workforce by Hourly and Salaried	d (number)		
Hourly		123,590	116,317
Salaried		66,843	70,085

190,433

186,401

Note: In both 2019 and 2020, we updated our regional business units as explained in each of our 2019 and 2020 Annual Financial Reports (10-K). In 2019, China (including Taiwan) was separated from Asia Pacific. Data for China (including Taiwan) is included as part of Asia Pacific for 2018. Beginning in 2020, our International Markets Group (IMG) includes Asia Pacific, Middle East & Africa and our joint venture in Russia (which was previously included in Europe).

1 See Form 10-K, pages 69–72 for definitions and reconciliations to GAAP (U.S. Generally Accepted Accounting Principles).

2 Reflects GQRS3 2018 onward. International Markets Group became a new business unit in 2020. Numbers reflected under previous reporting business units are not equal to the sum of previous business units as numbers are volume weighted by region.

3 Prior to 2020, China data included Taiwan.

4 Regions do not add up to 100% as they represent automotive only.

5 In 2019, we updated our Employment by Business Unit figures by adding Corporate and Other to match the Form 10-K.

Workforce Profile (continued)

	Hourly	Salaried	Total	Percent	
Total Workforce by Hourly and Salaried, by Region (2020)					
Automotive					
North America	70,630	30,559	101,189	54	
South America	5,228	2,653	7,881	4	
Europe	29,524	13,118	42,642	23	
China (including Taiwan)	692	2,915	3,607	2	
International Markets Group (IMG)	10,004	4,410	14,414	8	
Ford Credit	N/A	6,258	6,258	3	
Ford Smart Mobility	239	2,315	2,554	1	
Ford Business Solution	N/A	7,116	7,116	4	
Corporate Governance	N/A	742	742	-	
Total company	116,317	70,085	186,403	100	

Diversity

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	2018	2019	2020
Salaried Employees by Gender (num	ber) ⁶		
Male		39,970	40,578
Female		15,198	15,566
Global Salaried Employees by Gende	er (percent)		
Male	72	72.5	72.3
Female	28	27.5	27.7
Board of Directors Composition by G	ender and M	inorities (per	cent)
Male	85	78.6	78.6
Female	15	21.4	21.4
Minorities	15	14.3	14.3
Corporate Officers by Gender and Mi	norities (per	cent) ⁷	
Male	81	84.6	83.8
Female	19	15.4	16.2
Minorities	17	20.5	18.9

Note: In both 2019 and 2020, we updated our regional business units as explained in each of our 2019 and 2020 Annual Financial Reports (10-K). In 2019, China (Including Taiwan) was separated from Asia Pacific. Data for China (Including Taiwan) is included as part of Asia Pacific for 2018. Beginning in 2020, our International Markets Group (IMG) includes Asia Pacific, Middle East & Africa and our joint venture in Russia (which was previously included in Europe).

6 Does not include Europe.

7 Corporate Officers includes Executive Officers.

8 Women in Senior Management includes Corporate Officers.

9 Corporate and Other was broken out in 2020. Prior to 2020 this was included in the regions.

Diversity (continued)

	2018	2019	2020
Executive Officers by Ger	nder and Minorities (per	cent)	
Male	70.0	77.8	80
Female	30.0	22.2	20
Minorities	22.2	22.2	30
	2018	2010	2020

Women in Senior Management by Region (percent)⁸

Automotive			
North America	18.5	18.6	20.6
South America	5.3	0.0	9.1
Europe	8.3	7.8	10.5
Asia Pacific (excluding China and Taiwan)	15.8	12.5	N/A
China (including Taiwan)	5.6	11.9	12.1
Middle East & Africa	0.0	0.0	N/A
International Markets Group (IMG)	N/A	N/A	8.3
Ford Credit	20.0	27.3	42.9
Corporate and Other ⁹	N/A	N/A	38.5
Mobility	N/A	N/A	23.1
Global	14.7	15.8	19.8

2018	2019	2020

Women in Middle Management by Region (percent)

Automotive			
North America	23.3	25	30.9
South America	18.5	16.6	8.8
Europe	15.4	16.4	16.5
Asia Pacific (excluding China and Taiwan)	13.0	15.4	N/A
China (including Taiwan)	25.8	30.9	49.7
Middle East & Africa	20.0	13.4	N/A
International Markets Group (IMG)	N/A	N/A	20.9
Ford Credit	26.5	26.9	51.7
Corporate and Other ⁹	N/A	N/A	24.6
Mobility	N/A	N/A	29.0
Global	20.8	22.2	26.1

Diversity (continued)

	2018	2019	2020
Women in Supervisory Positions by R	egion (perce	ent)	
Automotive			
North America	24.3	22.5	31.6
South America	21.2	17.2	20.8
Europe	16.9	15.1	17.9
Asia Pacific (excluding China and Taiwan)	14.9	37.5	N/A
China (including Taiwan)	36.1	25.4	62.2
Middle East & Africa	25.5	37.7	N/A
International Markets Group (IMG)	N/A	N/A	27.3
Ford Credit	38.5	37.7	60.3
Corporate and Other ⁹	N/A	N/A	25.3
Mobility	N/A	N/A	44.1
Global	23.1	23.1	29.8
20		2020	

2019	2020
ic data	
11	11
3	3
1 Puerto Rican, 1 African American	1 Puerto Rican, 1 African American
14	14
nicdata	
33	31
6	6
3 Asian, 5 African American	3 Asian, 4 African American
39	37
nic data	
7	8
2	2
1 Asian, 1 African American	3 Asian
9	10
	11 3 1 Puerto Rican, 1 African American 14 16 14 16 14 16 14 16 14 16 14 16 14 16 16 16 16 16 17 19 10 10 10 10 10 10 10 10 10 10

Diversity (continued)

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		2018	2019	2020		
U.S. Diversity Performance Data (percent) ¹⁰						
Minority-group pers	onnel					
Total		31.2	32.6	34.4		
	Asian	4.8	5.0	5.2		
	African American	20.5	21.5	22.8		
	Hispanic/Latino	4.0	4.0	4.2		
	Other Minority ¹¹	1.9	2.0	2.2		
Salaried		26.8	27.9	28.1		
	Asian	12.8	13.4	14		
	African American	8.7	8.6	8.6		
	Hispanic/Latino	4.1	4.2	4.2		
	Other Minority ¹¹	1.5	1.6	1.7		
Hourly		33.7	35.2	37.9		
	Asian	0.4	0.4	0.4		
	African American	27.3	28.6	30.7		
	Hispanic/Latino	3.9	4.0	4.2		
	Other Minority ¹¹	2.2	2.3	2.5		
Women						
Total		24	24.3	25.1		
Salaried		28	27.4	27.4		
Hourly		22	22.6	23.8		

Health and Safety

	2018	2019	2020
Global Lost-Time Case Rate (per 100 e (cases with one or more days away fro		200,000 ho	urs)
Ford Motor Company	0.41	0.39	0.31
Lost-Time Case Rate by Region (per 10 (cases with one or more days away fro			urs)
North America	0.67	0.66	0.53
South America ¹²	0.52	0.46	N/A
Europe	0.38	0.32	0.28
Asia Pacific	0.017	N/A	N/A
Asia Pacific (excluding China and Taiwan)	N/A	0.006	N/A
China (including Taiwan)	N/A	0.004	0.01
Middle East & Africa	0.09	0.05	N/A
International Markets Group (IMG)	N/A	N/A	0.09
Global Fatalities	113	O ¹⁴	014

Employee Engagement

	2018	2019	2020
Voluntary Quit Rate by Major Markets (salaried employees) (percent)			
United States	2.7	3.1	2.3
Canada	2.1	6	3.1
Mexico	5.9	4.9	2.7
Brazil	3.7	3.9	2.9
Germany	0.2	0.56	0
United Kingdom	1.7	4.5	0.3
China	11.7	6.9	4.8
India	5.9	9	5.5
Thailand	7.6	4.6	2.3

	North America	South America	Europe	China (including Taiwan)	International Markets Group (IMG)
Confirmed Harassment Allegations (2020)					
Number of confirmed harassment allegations ¹⁵	91	8	2	0	4
Percentage of confirmed harassment allegations by region ¹⁶	0.25	0.27	0.22	0.00	0.03

U.S. Only (Salaried and Hourly), including Ford Credit and Mobility (number)

Minority-group personnel		
Total	28,555	30,764
Salaried	8,693	8,931
Hourly	19,862	21,833
Women		
Total	21,262	22,446
Salaried	8,513	8,707
Hourly	12,749	13,739

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10 Includes Ford Credit.

2020

2019

11 Other racial minority groups include Native Hawaiian Or Pacific Islander, Native American/American Indian, and Two or More Races.

12 For lost time case rate data only, South America is reported as part of International Markets Group (IMG) and included in the IMG number from 2020.

13 In 2018, we had a service contractor fatality at a North America Stamping Plant. Any loss of life or serious injury in the workplace is unacceptable and deeply regretted.

14 In 2019 and 2020, there were no employee or contractor fatalities.

15 Confirmed harassment allegations (when the respondent is a salaried employee) that involve: sex- or race-related, hostile, demeaning or belittling behavior, whether it is physical, verbal or both.

16 Refers to confirmed harassment allegations as a percentage of the total population by region.

Supplier Diversity

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	2018	2019	2020
Total Purchases (\$billion)			
From minority-owned businesses – United States	8.56	8.49	6.30
From veteran-owned businesses – United States	0.41	0.18	0.16
From women-owned businesses – United States	2.28	1.53	1.16

Vehicle Safety

	2019	2020		
Ford & Lincoln Nameplates With 5-star Overall Rating (number)				
U.S. NCAP	13	13		
Euro NCAP	10	9		
Available Ford and Lincoln Nameplates With 5-star Overall Rating (percent)				
	76	72		

U.S. NCAP	76	72
Euro NCAP	71	60

	2018	2019	2020
SafetyRecalls			
Number of safety recalls (global) ¹⁷	N/A	90	107
Number of global passenger vehicles recalled (million)	N/A	11.05	7.48
Number of safety recalls (US) ¹⁷	31	37	45
Number of U.S. passenger vehicles recalled (million)	5.94	7.09	4.79

Supply Chain Management

	North	South	Europe	China	International	Global
	America	America		(including Taiwan)	Markets Group (IMG)	Total
Working Conditions Assessments (as of	12/31/2020)					
Assessments completed to date	174	240	123	353	313	1,203
Follow-up assessments completed to date (third party and/or internal)	220	373	181	434	436	1,644
Working Conditions Training (as of 12/31	/2020)					
Training sessions conducted to date	48	44	40	39	44	215
Total number of attending companies	498	588	485	591	649	2,811
Total number of trained managers (attendees)	830	952	775	832	894	4,283

Global Total

Working Conditions Training (scope of impact: supplier-submitted data as of 12/31/2020)	

Training cascaded to management (individuals trained)	43,948
Training cascaded to workforce (individuals trained)	916,911
Communication to suppliers (number of sub-tier companies)	182,351

	2018	2019	2020
Total supplier site trained/retained in sustainability management (cumulative since 2005)	3,696	3,792	3,816
Total purchase from Tier 2 suppliers (\$billion) ¹⁸	3.9	4.2	3.0

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Beginning in 2020, our International Markets Group (IMG) includes Asia Pacific, Middle East & Africa and our joint venture in Russia (which was previously included in Europe).

17 Includes Takata Airbag and DPS6 transmission-related recalls.

18 This data is self-reported by suppliers to Ford. Only includes certified diverse businesses.

2020

Supply Chain Management (continued)

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2020

Supplier Audit Findings - Prevalence of non-conformances in 2020 initial audits conducted (percent of audits issued in which finding appeared)

Labor – Total	100
Prevalence of child labor	0
Child labor avoidance policies and management systems	36
Freedom of association	21
Presence of forced labor	0
Freely chosen employment policies and management systems	57
Humane treatment	14
Non-discrimination	50
Wages and benefits	57
Working hours	86
Health & Safety – Total	93
Emergency preparedness	71
Food, sanitation and housing	43
Health and safety communication	29
Industrial hygiene	29
Machine safeguarding	7
Occupational injury and illness	43
Occupational safety	71
Physically demanding work	21

Environment – Total	57
Air emissions	14
Energy consumption and greenhouse gas emissions	14
Environmental permits and reporting	7
Hazardous substances	36
Materials restrictions	7
Pollution prevention and resource reduction	14
Solid waste	21
Water management	21
Ethics – Total	50
Business integrity	29
Disclosure of information	29
Fair business, advertising and competition	36
Intellectual property	21
No improper advantage	36
Privacy	21
Protection of identity and non-retaliation	21
Responsible sourcing of minerals	14

2020

Management System – Total	86
Audits and assessments	64
Communication	36
Company commitment	21
Corrective action process	21
Documentation and records	14
Improvement objectives	50
Legal and customer requirements	43
Management accountability and responsibility	57
Risk assessment and risk management	43
Supplier responsibility	86
Training	29
Worker feedback and participation	21

Supplier Audit Scores – Initial and Closures (Average)

	2020
Initial audit score (average)	81
Closure audit score (average) ¹⁹	137

Note: In both 2019 and 2020, we updated our regional business units as explained in each of our 2019 and 2020 Annual Financial Reports (10-K). In 2019, China (including Taiwan) was separated from Asia Pacific. Data for China (including Taiwan) is included as part of Asia Pacific for 2018. Beginning in 2020, our International Markets Group (IMG) includes Asia Pacific, Middle East & Africa and our joint venture in Russia (which was previously included in Europe).

19 Closure audit score is an average of all follow-up audit scores conducted after the initial audit. There are generally 1–3 closure audits per Initial audit.

Vehicle Fuel Economy and CO₂ Emissions

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	2018	2019	2020
Ford U.S. Corporate Average Fuel Econ	omy (mpg)		
Cars (domestic and import)	35.7	35.6	35.220
Trucks	26.3	26.8	28.421
Combined car and truck fleet	28.9	29.0	29.9 ²²
Ford U.S. CO ₂ Tailpipe Emissions per V	ehicle (g/m	i)	
Combined car and truck fleet average CO ₂ emissions	312	309	301 ²³
Ford Europe CO ₂ Tailpipe Emissions pe	r Passenge	r Vehicle (g/l	km)
	12324	131	11025
Ford EU CO ₂ Tailpipe Emissions per Lig	ht Commer	cial Vehicle (g/km)
	170	170	166 ²⁶
Ford Switzerland CO ₂ Tailpipe Emissio	ns per Pass	enger Vehicl	e (g/km)
	136	135	114 ²⁷
Ford Switzerland CO ₂ Tailpipe Emissio (g/km)	ns per Light	Commercial	Vehicle
	N/A	N/A	180
Ford China Corporate Average Fuel Cor	nsumption (L/100km)	
Ford (China) Import ²⁸	8.72	8.63	8.61
Jiangling Motors Corporation (JMC) ²⁸	8.49	7.14	7.49
Changan Ford Automobile Corporation (CAF) ²⁸	6.89	6.34	7.18
Ford China Corporate Average Tailpipe	Emissions	(gCO ₂ /km)	
Ford (China) Import ²⁸	206.66	204.53	204.06
Jiangling Motors Corporation (JMC) ²⁸	201.21	169.22	177.51
Changan Ford Automobile Corporation (CAF) ²⁸	163.29	150.26	170.17

Non-CO₂ Tailpipe Emissions

	2018	2019	2020
Ford U.S. Average NOx and NMOG Emis	sions (g/mi	le)	
Passenger cars ²⁹	0.069	0.074	0.056
All light duty ³⁰	0.092	0.083	0.071

Operational Energy Use and CO₂ Emissions

2018	2019	2020
7.20	6.74	5.29
6.56	6.23	5.15
13.76	12.97	10.44
per Vehicle		
1,236	1,259	1,291
1,121	1,165	1,257
2,358	2,424	2,548
on metric to	ons CO ₂ e)	
1.21	1.13	0.94
2.56	2.35	2.02
3.77	3.48	2.96
ehicle (met	ric tons CO ₂	e
0.20	0.21	0.23
0.43	0.44	0.49
0.63	0.65	0.72
	7.20 6.56 13.76 per Vehicle 1,236 1,121 2,358 on metric to 1.21 2.56 3.77 ehicle (metri 0.20 0.43	7.20 6.74 6.56 6.23 13.76 12.97 per Vehicle 1,236 1,259 1,121 1,165 2,358 2,424 on metric tons CO2e) 1.21 1.13 2.56 2.35 3.77 3.48 ehicle (metric tons CO2e) 0.20 0.21 0.43 0.44

Purchased Goods and Services CO₂ Emissions

	2020
Indirect (Scope 3 Purchased Goods and Services) $^{\rm 32}$ (million metric tons CO_2e)	39.7

Emissions (VOC and Other)

	2018	2019	2020
Volatile Organic Compounds Released Facilities (grams per square meter)	l by Assemb	ly	
	22.3	22.1	22.6
Ford U.S. TRI Releases (million pounds	5)		
	3.31	3.30	3.2
Ford U.S. TRI Releases per Vehicle (pounds per vehicle)			
	1.35	1.40	1.4
Ford Canada NPRI Releases (metric to	ns)		
	423	376	398
Ford Canada NPRI Releases per Vehicl (metric tons per vehicle)	e		
	0.0017	0.0016	0.0017

Note: In both 2019 and 2020, we updated our regional business units as explained in each of our 2019 and 2020 Annual Financial Reports (10-K). In 2019, China (including Taiwan) was separated from Asia Pacific. Data for China (including Taiwan) is included as part of Asia Pacific for 2018. Beginning in 2020, our International Markets Group (IMG) includes Asia Pacific, Middle East & Africa and our joint venture in Russia (which was previously included in Europe).

20 Includes 0.5 mpg FFV credit. Does not include A/C or Off-Cycle credits. The decline in car fuel economy of 1% YOY is due to customers purchasing larger cars and reduced CAFE FFV credits. Despite the decrease in car CAFE, on an individual basis, our vehicles continue to make fuel economy improvements. See Improving Fuel Economy section of report.

- 21 Includes 0.5 mpg FFV credit. Does not include A/C or Off-Cycle credits.
- 22 Includes FFV credits. Does not include A/C or Off-Cycle credits.
- 23 Includes FFV credits and Advanced Technology Multipliers. Does not include A/C or Off-Cycle credits.
- 24 Number is calculated from original value of 127.464 g with correction factor to the homologated value of 123.15 g CO₂/km.
- 25 2020 EU numbers are provisional. Final fleet data will be available in June 2022. Ford is compliant to the 2020 CO₂ fleet targets that refer to 95% phase in of the fleet in the joint pool. Ford number provided is 100% fleet (NEDC).
- 26 2020 EU numbers are provisional. Final fleet data will be available in June 2022. Ford is compliant to the 2020 CO₂ fleet targets in the joint pool. Ford number provided is 100% fleet (NEDC).
- 27 Ford is compliant to the 2020 CO₂ fleet targets that refer to 85% phase in of the fleet in the joint pool. Ford number provided is 100% fleet (NEDC).
- 28 The China import and domestic (involving our joint ventures) fuel consumption values are reported separately.
- 29 Passenger Car fleet average FTP NMOG + NOx Emissions from Tier 3 reports.
- 30 LDT2, LDT3, LDT4 & MDPV fleet average FTP NMOG + NOx Emissions from Tier 3 reporting data.
- 31 Market-based value.

32 Data point may be subject to change as we continue to increase the quantity and quality of supplier-reported data.

Waste

9

	2018	2019	2020
Regional Waste to Landfill (million ki	lograms)		
North America	16.3	22.3	13.2
South America	0.05	0.04	0.1
Europe	1.3	0.5	1.3
Asia Pacific	0.5	N/A	N/A
Asia Pacific (excluding China and Taiwan)	N/A	0.5	N/A
China (including Taiwan)	N/A	0.07	0.05
Middle East & Africa	1.7	1.7	N/A
International Markets Group (IMG)	N/A	N/A	2.8
Waste to Landfill per Vehicle (kilogra	ms)		
	3.3	4.333	3.6
Regional Hazardous Waste Generatio	on (million k	ilograms)	
North America	14.1	13.1	9.9
South America	2.0	1.9	1.1
Europe	22.1	20.8	21
Asia Pacific	11.2	N/A	N/A
Asia Pacific (excluding China and Taiwan)	N/A	3.3	N/A
China (including Taiwan)	N/A	3.0	4.8
Middle East & Africa	2.3	2.1	N/A
International Markets Group (IMG)	N/A	N/A	2.8
Hazardous Waste Generation per Veh	nicle (kilogra	ams)	
	8.7	9.5	9.7

Waste (continued)

	2010	2015	2020
Hazardous Waste by Disposal Method	d (million kilo;	grams)	
Reuse	1.9	1.2	0.6
Recycling	15.7	14.3	10.5
Composting	0.1	0.1	0.0
Recovery, including energy reduction	10.0	8.7	8.7
Incineration (mass burn)	6.5	5.0	3.8
Deep well injection	0.0	0.0	0.0
Landfill	4.3	3.5	2.5
On-site storage	6.1	7.5	6.3
Other (yard waste, etc.)	10.7	10.5	7.2
Total	55.3	50.8	39.6
Non-Hazardous Waste by Disposal M	ethod (millio	n kilograms)	
Reuse	8.5	10.1	8.3
Recycling	1,199	1,070	873.6
Composting	5.4	5.5	2.9
Recovery, including energy reduction	27.3	21.6	23.9
Incineration (mass burn)	7.8	6.6	5.0
Deep well injection	0.0	0.0	0.0
Landfill	19.8	23.7	15
On-site storage	18.4	14.4	6.8
Other (yard waste, etc.)	16.9	14.1	10.9
Other (yard waste, etc.) Total	16.9 1,303.1	14.1 1,166	10.9 946.3

Waste (continued)

2020

2019

2018

	2018	2019	2020
Total Waste by Type and Disposal Met	thod (million	kilograms)	
Reuse	10.4	11.3	8.9
Recycling	1,215.2	1,098.1	884.1
Composting	5.5	5.5	2.9
Recovery, including energy reduction	37.2	30.2	32.6
Incineration (mass burn)	14.3	11.6	8.8
Deep well injection	0.0	0.0	0.0
Landfill	24.1	27.2	17.5
On-site storage	24.5	22.0	13.1
Other (yard waste, etc.)	27.4	24.6	18.1
Total	1,358.7	1,230.5	986
Scrap metals (metric tons)			
North America	544,996	570,773	434,901
South America	57,203	45,667	26,484
EU/MEA	291,700	214,402	N/A
Asia Pacific	111,389	85,714	N/A
Europe	N/A	N/A	231,460
China	N/A	N/A	34,021
International Markets Group (IMG)	N/A	N/A	36,864
Global	1,005,288	916,556	763,731
Total Waste and Percent Recycled and	d Reused		
Total waste (million metric tons)	1.36	1.23	0.99
Percent recycled and reused	90	90	91

Note: In both 2019 and 2020, we updated our regional business units as explained in each of our 2019 and 2020 Annual Financial Reports (10-K). In 2019, China (including Taiwan) was separated from Asia Pacific. Data for China (including Taiwan) is included as part of Asia Pacific for 2018. Beginning in 2020, our International Markets Group (IMG) includes Asia Pacific, Middle East & Africa and our joint venture in Russia (which was previously included in Europe).

33 In 2019, 43 of our ZWTL facilities in the Detroit area lost their ZWTL status temporarily, as a result of the abrupt closure of a local waste-to-energy facility.

	2018	2019	2020	
Global Water Use per Vehicle Produced (cubic meters per vehicle produced)	ł			
	3.7	3.6	3.8	
Global Water Use by Source (million cubic meters)				
Citywater	16.9	15.4	12.5	
Surface water	0.5	0.3	0.1	
Well water	4.9	3.7	3.0	
Total	22.3	19.4	15.6	
Regional Water Use (million cubic met	ers)			
North America	11.0	10.6	8.7	
South America	1.3	0.81	0.62	
Europe	5.7	4.6	3.5	
Asia Pacific	3.8	N/A	N/A	
Asia Pacific (excluding China and Taiwan)	N/A	1.4	N/A	
China (including Taiwan)	N/A	1.6	1.5	
Middle East & Africa	0.5	0.46	N/A	
International Markets Group (IMG)	N/A	N/A	1.4	
Reuse From On-Site Wastewater Treatment Plant (million cubic meters)				
	1.6	1.2	0.9	
Process Wastewater Discharge (millio	n cubic me	ters)		
	10.3	9.1	6.3	



Ford Motor Company One American Road (207-E6) Dearborn, MI 48126, U.S.A. <u>sustainability.ford.com</u> shareholder.ford.com

