

# ESG Data Center

SAFETY				
	2014	2015	2016	2017
<b>New Car Assessment Program Top-Performing Models</b> <i>(Number of models with 5-Star overall vehicle score or top overall rating out of total models)</i>				
United States	•	20	21	23
China	•	9	10	10
Australasia	•	12	12	12
South Korea	•	9	10	7
Asean Region	•	•	1	1
<b>Global Deployment of Advanced Safety Technologies</b> <i>(Number of models with these technologies available or as standard equipment out of total models)</i>				
Forward Collision Alert	•	•	61	56
Adaptive Cruise Control	•	•	24	26
Safety Alert Seat	•	•	23	24
Front Pedestrian Braking	•	•	4	7
Forward or Low-Speed Forward Automatic Braking	•	•	26	29
Lane Departure Warning	•	•	58	41
Side Blind Zone Alert	•	•	40	40
Rear Cross-Traffic Alert	•	•	39	39
Lane Keep Assist with Lane Departure Warning	•	•	27	30
Surround Vision	•	•	6	11
<b>GM Safety and Noncompliance Recalls</b>				
Number of Recalls: North America	80	35	34	17
Vehicle Recall Volume: North America <i>(in millions)</i>	19.20	4.49	7.05	1.3
Number of Recalls: Global*	159	96	86	46
Vehicle Recall Volume: Global* <i>(in millions)</i>	32.85	6.95	9.36	2.0
Percentage of Recalls Involving Fewer than 10,000 Vehicles*	40	51	60	50
<b>Workplace Safety</b>				
Sentinel Events Closed on Time* <i>Percent of Sentinel Events (events with fatality potential) closed on time</i>	96.5	99.8	99.6	99.7
Sentinel Events Proactive* <i>Percent of Sentinel Events detected as Unsafe Acts/Conditions and that did not result in an incident</i>	53.0	57.0	70.6	71.2
Global Calls to Action Closed on Time* <i>Percent of Global Calls to Action (actions required globally in response to serious incidents) closed on time.</i>	95.8	98.6	98.2	98.8
Fatalities* <i>(A work-related incident resulting in death)</i>	4	1	4	3
Recordable Incident Rate* <i>(Number of incidents that resulted in injuries or illnesses that required medical treatment beyond simple first aid treatment per 200,000 work hours)</i>	1.18	1.15	1.5	1.59
Lost Time Injury Rate* <i>(Number of lost work day incidents per 200,000 work hours)</i>	0.44	0.41	0.58	0.62

\*Includes Europe

PRODUCTS		
	2016	2017
<b>Global Volume</b> <i>(includes Europe)</i>		
Total Sales <i>(millions of units)</i>	10,008	9,600
<b>EV Portfolio</b>		
Global EV Volume	•	40,771
CO2 Emissions Avoided <i>(metric tons)</i>	•	191,624
Gasoline Miles Displaced <i>(millions)</i>	•	470
Global Models with Some Form of Electrification	11	13
Vehicles on the Road in the U.S. with Some Form of Electrification	241,989	304,856
<b>Global EV Sales</b> <i>(U.S. only)</i>		
Chevrolet Bolt EV	579	29,325
Chevrolet Volt	24,739	26,039
Cadillac XT5 with eAssist	•	15,600
Baojun E100	•	11,446
Chevrolet Malibu Hybrid	4,365	10,451
Buick Velite 5	•	8,100
GMC Sierra with eAssist	•	4,259
Buick LaCrosse with eAssist	765	3,381
Buick LaCrosse HEV	•	559
Chevrolet Silverado with eAssist	•	297
Cadillac CT6 Plug-In	•	137
Buick Regal HEV	45	49
Chevrolet Spark EV	3,035	23
TOTAL	33,528	109,666
<b>Advanced Powertrain Technologies</b> <i>(Percent of Total U.S. Volume)</i>		
Stop-Start Technology	16	41
Downsized-Turbo Engines	22	38
Advanced Transmissions	1	30

PERSONAL MOBILITY		
	2016	2017
<b>Mobility Solutions</b>		
Maven Members	32,566 (Maven & Express Drivers)	104,000
Maven U.S. Cities	17	17
Maven Miles Driven ( <i>millions</i> )	104	230
Maven Reservations	42,282	114,000
<b>Autonomous Vehicles</b>		
AV Test Vehicles	50+	180+
<b>4G LTE Connectivity</b>		
OnStar 4G LTE-Equipped Vehicles ( <i>millions</i> )	5	7

WORKFORCE			
	2015	2016	2017
<b>Global Workforce by Type</b>			
Total Employees			
Men	82%	81.8%	79.3%
Women	18%	18.2%	20.7%
Temporary			
Men	78%	67.4%	67.5%
Women	22%	32.6%	32.5%
Managers			
Men	82%	81.4%	80.1%
Women	18%	18.6%	19.9%
Nonmanagers			
Men	83%	81.3%	78.9%
Women	17%	18.7%	21.1%
Employees by Employment Type			
Full-Time			
Men	83%	81.6%	79.1%
Women	17%	18.4%	20.9%
Part-Time			
Men	46%	18.0%	87.0%
Women	54%	82.0%	13.0%

	2015	2016	2017
<b>Employees by Employment Contract</b>			
<b>Permanent</b>			
North America	•	•	72.6%
South America	•	•	11.0%
International	•	•	16.4%
<b>Temporary</b>			
North America	•	•	65.1%
South America	•	•	33.6%
International	•	•	1.3%
<b>Global Workforce by Gender</b>			
<b>Female</b>			
North America	75%	76.1%	86.5%
South America	6%	5.6%	6.2%
International	8%	6.9%	7.3%
<b>Male</b>			
North America	51%	52.6%	68.7%
South America	13%	11.7%	13.1%
International	17%	15.7%	18.2%
<b>Top Management Positions</b>			
Men	•	•	68.4%
Women	•	•	31.6%
<b>Technology Positions</b>			
Men	•	•	82.0%
Women	•	•	18.0%
<b>U.S. Workforce by Type</b>			
<b>U.S. Workforce by Age Group</b>			
<b>Men</b>			
Under 30	10%	13.7%	12.3%
30-49	41%	43.1%	42.9%
50 and over	49%	43.2%	44.9%
<b>Women</b>			
Under 30	12%	15.5%	13.5%
30-49	49%	34.6%	49.6%
50 and over	39%	49.8%	36.9%
<b>Total U.S. Workforce by Age Group</b>			
Under 30	11%	14.2%	12.6%
30-49	43%	44.8%	42.8%
50 and over	46%	41.0%	44.6%

	2015	2016	2017
<b>U.S. Workforce by Ethnicity</b>			
<b>Female</b>			
White	63%	60.7%	61.3%
Black	26%	27.0%	25.3%
Asian	6%	6.6%	7.2%
Latino	5%	4.9%	5.1%
NtHw/Pclsl/American Indian/Two or More Races	<1%	0.9%	1.0%
<b>Male</b>			
White	75%	72.9%	72.8%
Black	14%	15.0%	14.3%
Asian	6%	6.3%	6.8%
Latino	5%	4.9%	5.1%
NtHw/Pclsl/American Indian/Two or More Races	<1%	0.9%	1.0%
<b>Total U.S. Workforce by Ethnicity</b>			
White	72%	69.7%	69.9%
Black	17%	18.1%	17.1%
Asian	6%	6.4%	6.9%
Latino	5%	4.9%	5.1%
NtHw/Pclsl/American Indian/Two or More Races	<1%	0.9%	1.0%
<b>U.S. Workforce by Self-Identified as Having Disability</b>			
Men	79%	76.9%	76.3%
Women	21%	23.1%	23.7%
<b>U.S. Workforce by Self-Identified Veteran Status</b>			
<b>Veteran</b>			
Men	90%	85.8%	88.1%
Women	10%	14.2%	11.9%
<b>Disabled Veteran</b>			
Men	87%	88.9%	94.3%
Women	13%	11.1%	5.7%
<b>New Hires</b>			
Total ( <i>Global</i> )	•	•	18,622
Women ( <i>Global</i> )	•	•	6,176
Disabled ( <i>U.S. and Brazil</i> )	•	•	136
Veterans ( <i>U.S. only</i> )	•	•	448

	2015	2016	2017
<b>Global Hires by Type</b>			
Global Hires by Age			
Male			
Under 30	•	•	61.0%
30-49	•	•	33.3%
50 and over	•	•	5.1%
Female			
Under 30	•	•	57.7%
30-49	•	•	37.2%
50 and over	•	•	5.1%
Global Hires by Region			
Male			
North America	•	•	83.7%
South America	•	•	11.0%
International	•	•	5.3%
Female			
North America	•	•	89.5%
South America	•	•	7.0%
International	•	•	3.5%
Global Hires by Gender			
Men	•	•	66.8%
Women	•	•	33.2%
<b>Global Attrition by Type</b>			
Global Attrition by Gender			
Men	•	•	74.5%
Women	•	•	25.5%
Global Attrition by Age			
Male			
Under 30	•	•	31.3%
30-49	•	•	45.9%
50 and over	•	•	22.8%
Female			
Under 30	•	•	28.3%
30-49	•	•	46.5%
50 and over	•	•	25.2%

	2015	2016	2017
<b>Global Attrition by Region</b>			
<b>Male</b>			
North America	•	•	60.2%
South America	•	•	23.5%
International	•	•	16.3%
<b>Female</b>			
North America	•	•	86.0%
South America	•	•	7.3%
International	•	•	6.7%
<b>Employee Hires vs. Turnover</b>			
Total	•	•	6,673
Turnover	•	4.9	4.7

<b>GOVERNANCE</b>			
	2016	2017	
<b>Board Composition</b>			
<b>Director Gender</b>			
Men	(6) 55%	(6) 55%	
Women	(5) 45%	(5) 45%	
<b>Director Age</b>			
50s	27.27%	36.50%	
60s	45.45%	36.50%	
70s	27.27%	27%	
<b>Director Tenure</b>			
1-2 Years	27.27%	18%	
3-5 Years	45.45%	36%	
6-8 Years	27.27%	46%	
<b>Director Ethnic Diversity</b>			
White	(9) 82%	(9) 82%	
Latino	(1) 9%	(1) 9%	
African American	(1) 9%	(1) 9%	
Average Age	64 Years	64 years	
Average Tenure	4 Years	5 years	
Board Meetings Held	8	10	
Committee Meetings Held	29	29	
Board Attendance	94%	97%	

**ENVIRONMENTAL**

	Baseline (2010)	2013	2014	2015	2016	2017
<b>Energy &amp; Emissions</b>						
Energy Intensity* (MWh/vehicle)	2.31	2.1	2.11	1.99	2	1.96
Energy Consumption Within the Organization (in GJ)						
Total Fuel Consumption from Nonrenewable Sources	•	•	37,356,179	35,297,119	34,444,439	30,313,931
Total Fuel Consumption from Renewable Sources	•	•	927,092	1,187,937	2,981,123	1,118,454
Total Electricity Consumption	•	•	33,092,273	32,086,922	33,364,403	29,778,155
Heating Consumption	•	•	—	—	—	—
Cooling Consumption	•	•	—	—	—	—
Steam Consumption	•	•	4,532,758	4,663,710	4,105,376	1,610,934
Electricity Sold	•	•	—	—	—	20,232
Heating Sold	•	•	—	—	—	—
Cooling Sold	•	•	—	—	—	—
Total Energy Consumption	•	•	75,908,302	73,235,689	74,895,341	62,801,243
Energy Consumption Outside of the Organization (in GJ)	•	•	•	•	2,526,364	1,283,882,121
Renewable Energy (MW)	21.48	42.72	79.72	81.11	171.2	371.2
GHG Emissions Intensity* (metric tons CO <sub>2</sub> e/vehicle)	0.88	0.81	0.81	0.76	0.74	0.68
Direct (Scope 1) GHG Emissions (gross direct) (metric tons CO <sub>2</sub> e)	•	•	•	2,054,543	2,003,265	1,848,804
Energy Indirect (Scope 2) GHG Emissions (gross indirect) (metric tons CO <sub>2</sub> e)	•	•	•	5,483,117	5,799,436	4,191,893
Other Indirect (Scope 3) GHG Emissions (gross other indirect) (metric tons CO <sub>2</sub> e)	•	•	•	351,844,003	320,911,918	286,310,319
Emissions of Ozone-depleting Substances (ODS) (metric tons)	•	•	•	1.3	0.6	0.5
VOC Intensity (kg/vehicle)	3.8	3.3	3.1	3.0	2.8	2.5
VOCs (total, k-tons)	•	•	•	28.9	28.1	21.8
NOX (metric tons)	•	•	•	1,654	1,590	1,388
SOX (metric tons)	•	•	•	42	32	26

\*Upon our divestiture of Opel and Vauxhall, GM used the GHG Protocol Corporate Accounting and Reporting Standard, published by WBCSD and WRI as a basis for our methodology for publicly reporting GHG.



	Baseline (2010)	2013	2014	2015	2016	2017
<b>Water</b>						
Water Intensity* (M3/vehicle)	4.77	4.18	4.02	4.04	4.13	4.21
Water Withdrawal Source (M3)						
Surface Water	•	•	•	•	2,901,697	—
Groundwater	•	•	•	•	4,089,339	2,839,337
Rainwater	•	•	•	•	5,011	960
Wastewater	•	•	•	•	—	—
Municipal Water Supplied	•	•	•	•	35,370,819	36,652,919
Total	•	•	•	•	42,366,866	37,493,216
Water Recycled and Reused (M3)						
Total Volume of Water Recycled (M3)	•	•	•	•	18,780,532	16,497,015
Percentage of Total Water Withdrawal	•	•	•	•	44	44
Water Discharge by Quality and Destination (million M3)						
Direct Discharge (to surface water body)	•	•	•	•	16.3	13.1
Indirect Discharge (to treatment facility)	•	•	•	•	27.4	24.2
Discharge to Groundwater	•	•	•	•	0.2	0.1
<b>Waste</b>						
Waste Intensity* (kg/vehicle)	307	260	243	265	222	229
Landfill-Free Sites	66	93	101	112	131	142
Waste by Type and Disposal Method (k-tons to nearest whole number)						
Reuse	•	•	•	41	467	139
Recycling	•	•	•	1,991	2,019	1,874
Composting	•	•	•	4	5	3
Recovery, Including Energy Recovery	•	•	•	154	72	67
Incinerating (mass burn)	•	•	•	13	22	23
Deep Well Injection	•	•	•	—	—	minimal
Landfill	•	•	•	268	319	322
On-Site Storage	•	•	•	minimal	minimal	minimal
Other (includes microwaving, enclaves, plasma processing and other treatments)	•	•	•	20	11	13

\*Upon our divestiture of Opel and Vauxhall, GM used the GHG Protocol Corporate Accounting and Reporting Standard, published by WBCSD and WRI as a basis for our methodology for publicly reporting GHG.

<b>Green Dealerships &amp; Other</b>						
Participating Dealers	•	•	•	435	528	528
Percentage of U.S. Dealers	•	•	•	10	13	13
Green Dealer Program Certifications	•	•	•	35	91	91
<b>Biodiversity</b>						
GM Manufacturing Sites with Wildlife Habitat Certification	•	•	•	45	61	68

<b>COMMUNITY</b>		
	2016	2017
<b>Employee Volunteer Activities</b>		
Volunteer Hours	110,000	161,508
Volunteers	12,000	18,501
Nonprofits/Groups Impacted	148	266