

HONDA



2019 North American Environmental Report

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This report covers Honda’s activities in the United States, Canada and Mexico — including company policies, the overall direction of Honda’s environmental initiatives and a current assessment of the environmental impact of its operations — for the fiscal year that began April 1, 2018 and ended March 31, 2019 (FY2019).

To learn more, visit:



“Blue Skies for Our Children” is the global environmental slogan adopted by Honda to express its commitment to the realization of its environmental vision through expanded environmental initiatives.

Honda engineers, who took on the challenge to meet the stringent new emissions standards of the 1970s U.S. Clean Air Act, used the phrase “blue skies for our children” as a passionate rallying cry to devote themselves to this effort. This slogan continues to represent Honda’s passion toward its environmental commitment, which has not wavered and will remain resolute in the future.

Electronic format

The Honda North American Environmental Report (NAER) has adopted a new approach in 2019, making the report more data-driven, and focusing more on the results of Honda’s environmental processes.

These reports will combine with Honda’s latest stances on environmental policy and direction to make up the bulk of this report. The narratives that had previously been found in the NAER, along with the latest news and storytelling surrounding Honda’s environmental initiatives, can be found at our Corporate Social Responsibility website csr.honda.com.

The NAER format will alternate in coming years between the previous style of report with full narrative, and the current style of a data-driven report.

We value your opinion

We are interested in your response to this report, which will help us improve future reporting. Please _____ to complete a brief survey.

To navigate this report

Click on the links at the right of each page to jump to sections within the report or use the page forward/back arrows.

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Use the left and right arrow keys on your keyboard to move between pages.

In full-screen mode (accessible from the “View” tab on the Adobe toolbar), left-click to move to the next page, right-click to move to the previous page.

A Letter from the President & CEO



I would like to thank all of our customers for their business in the past year and for their support of our effort to move Honda forward, particularly in the area of environmental performance. Honda is the most fuel-efficient automaker in America, according to the latest data from the U.S. Environmental Protection Agency, and while we are proud of this achievement,

we are determined to further reduce the environmental impact of our products and operations.

In 2017, Honda articulated its 2030 Vision, which focused on Honda's longstanding concept that the purpose of technology is to help people. Based on this direction, we have set a challenging global goal of having emissions from Honda's total business activities in 2050 be half the amount emitted in 2000. The biggest opportunity is reducing automobile emissions from fossil fuels, where Honda is striving to make two-thirds of our global auto sales to be of electrified vehicles by 2030.

Toward this end, in North America, we are pursuing the broad deployment of our two-motor hybrid technology, which can improve fuel economy by as much as 50 percent compared to a conventional gasoline only-powered vehicle. During the past year, we nearly doubled sales of electrified Honda vehicles, due largely to the redesigned Accord Hybrid and all-new Insight hybrid sedan. Both of these vehicles speak to our commitment to deliver no-compromise electrified vehicles that people want to drive. Through this approach, we believe we can achieve lower carbon emissions while meeting the needs of our customers in this region.

We also are taking steps to reduce emissions within our corporate operations, including in the area of product manufacturing. For example, in August of this year we entered a voluntarily agreement to purchase more than 1.012 megawatt hours of electricity annually from new solar and wind farms in the U.S., which will offset more than 60 percent of the grid-supplied electricity we utilize in our factories in North America.

Through these and other initiatives, we will work toward our long-term vision for a zero-carbon society, while creating products that satisfy our customers and fulfill our commitment to use technology to help people.

Sincerely,



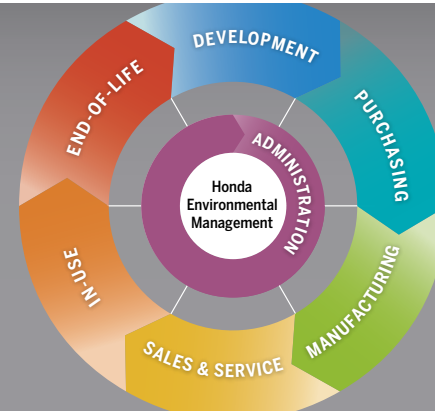
Shinji Aoyama

President & CEO
American Honda Motor Co., Inc. and Honda North America, Inc.



2019 Executive Summary

The following summarizes the most significant findings of this year's report and is organized by the various stages of the product life cycle. Honda recognizes the Life Cycle Assessment model as a critical tool for understanding, measuring and minimizing the impact of its products on the environment.



CATEGORY	PRODUCT	FY2019 RESULTS
Recyclability	Autos	<ul style="list-style-type: none"> Maintained a 90 percent level of design recyclability for all Honda and Acura automobiles.
	Powersports and Power Equipment	<ul style="list-style-type: none"> Maintained a 95 percent level of design recyclability for all powersports and power equipment products.
Volatile Organic Compounds (VOCs)	Autos	<ul style="list-style-type: none"> Honda's goal is to have a PVC-free material construction for interiors on all of its vehicles. Through the end of FY2019, 11 of the 15 Honda and Acura car and light truck models sold in the U.S. or Canada had PVC-free interiors.



2019 Executive Summary

2019 Environmental Performance		
CATEGORY	PRODUCT	FY2019 RESULTS
CO ₂ e Emissions	Autos	<ul style="list-style-type: none"> The CO₂ emissions intensity of automobile manufacturing was down 5.3 percent from the prior year to 568.8 kilograms per unit of production (kg/unit).
	Powersports	<ul style="list-style-type: none"> The CO₂ emissions intensity of powersports product manufacturing rose 8.1 percent from the prior year to 61.9 kg/unit but is down 78.5 percent from 2009 levels.
	Power Equipment	<ul style="list-style-type: none"> The CO₂ emissions intensity of power equipment product manufacturing is unchanged from the previous year to 5.5 kg/unit but is down 54 percent from FY2009 levels.
Waste	All Products	<ul style="list-style-type: none"> Solid waste from manufacturing operations decreased 4.2 percent versus year-ago totals. Total waste sent to landfill was unchanged from the previous year, at 2,900 metric tons, and is down 90 percent from the FY2001 baseline.
Water		<ul style="list-style-type: none"> Water use per auto (gallon/unit) fell for a second straight year to 754 gallons, down 1.9 percent from the previous year.
VOC Emissions		<ul style="list-style-type: none"> VOC emissions from body painting, at 13.4 g/m², fell to the lowest levels since reporting began in FY2001 and remains well below the company's targeted maximum of 20 g/m².

2019 Environmental Performance		
CATEGORY	PRODUCT	FY2019 RESULTS
CO ₂ Emissions	Autos	<ul style="list-style-type: none"> Since FY2009, Honda has achieved a 6.6 percent reduction in the CO₂ emissions intensity of automobile shipments in the North America.
	All Products	<ul style="list-style-type: none"> Honda has reduced the CO₂ emissions intensity of North America service parts shipments by 47.5 percent from FY2009 levels.
Waste	All Products	<ul style="list-style-type: none"> Waste material sent to landfills from Honda's U.S. parts distribution facilities has been reduced 99.4 percent, from 950 tons in FY2009 to 6 tons in FY2018, with only 0.01 percent of total waste sent to landfills in FY2018.
"Green Dealers"	All Products	<ul style="list-style-type: none"> Honda launched its Environmental Leadership Program in FY2012, and through the end of FY2019 enrolled over 800 U.S. Honda and Acura dealers, presented over 250 awards (including to three electric-grid neutral dealers), and reduced total CO₂ emissions by over 87,000 metric tons.



2019 Executive Summary



CATEGORY	PRODUCT	FY2019 RESULTS
Fuel Economy and CO ₂ Emissions	Autos	<ul style="list-style-type: none"> Honda's U.S. fleet-average fuel economy increased 1.3 percent, or 0.5mpg, from the previous year to 38.6 mpg and was 18.0 percent better than the industry average of 32.7 mpg. Honda's fleet average CO₂ emissions fell for a seventh straight year and was down 1.3 percent, or 3 grams/mile, from the previous year to 230 g/m, which was 15.1 percent better than the industry average of 271 g/m.
	Powersports	<ul style="list-style-type: none"> Compared to model year 2000, Honda has achieved a 77.0 percent improvement in the fleet-average fuel economy of on-road motorcycles sold in North America.
	Power Equipment	<ul style="list-style-type: none"> The fleet-average CO₂ emissions of Honda's U.S. power equipment products rose slightly from the previous year.
Criteria Air Pollutants	Autos	<ul style="list-style-type: none"> NMOG + NO_x emissions for Honda's U.S. automobile fleet in model year 2018, at 0.066 g/mi was up 6.5 percent over last year.
	Powersports Products	<ul style="list-style-type: none"> HC + NO_x emissions for Honda's Class I, II and III motorcycles in the U.S. were unchanged or down slightly from the previous year and are below applicable federal and state regulatory requirements.
	Power Equipment	<ul style="list-style-type: none"> HC + NO_x emissions for Honda's U.S. Power equipment remained stable compared to recent years and were below applicable federal and state regulatory requirements.



CATEGORY	PRODUCT	FY2019 RESULTS
Waste	Recycling of components	<ul style="list-style-type: none"> Honda continued efforts to work with its U.S. dealers to increase the recycling of certain vehicle components. In FY2019, the company diverted from landfill 49.2 million pounds of recyclable material from landfills.

Environmental Management

Overview

In 1992, Honda's Environment Statement was released to serve as the Company's guideline for all environmental initiatives. The statement articulates the basic stance developed until then to reduce environmental impact at every stage in the life cycle of its products, from product procurement to design, development, production, transportation, sale, use and disposal stages. In addition, for Honda to further promote the above-mentioned environmental initiatives and continue to be a company that society wants to exist, the Honda Environmental and Safety Vision was established in 2011. Aimed at the realization of the joy and freedom of mobility and a sustainable society where people can enjoy life, as is declared in this vision, each of Honda's global business sites is engaging in the reduction of an array of environmental impacts from the aspects of both production-based and corporate activities. Such environmental impacts include Greenhouse Gas (GHG) emissions, which are considered to be a cause of climate change; use of resources, including water and minerals; and suitable processing and reduction of waste. Honda will conduct these activities while sharing Honda's Environment Statement with everyone associated with Honda — including suppliers and distributors in addition to Honda Group companies — in order to realize this vision.

Honda Environmental and Safety Vision

Realizing “the Joy and Freedom of Mobility” and “a Sustainable Society where People Can Enjoy Life”

Honda Environmental Statement

“As a responsible member of society whose task lies in the preservation of the global environment, the company will make every effort to contribute to human health and the preservation of the global environment in each phase of its corporate activity. Only in this way will we be able to promote a successful future not only for our company, but for the entire world.”

We should pursue our daily business interests under the following principles:

1. We will strive to recycle materials and conserve resources and energy at every stage of our products' life cycle — from research, design, production and sales, to service and disposal.
2. We will strive to minimize and find appropriate methods to dispose of waste and contaminants that are produced through the use of our products, and in every stage of the life cycle of these products.
3. As both a member of the company and of society, each associate will focus on the importance of making efforts to preserve human health and the global environment, and will do his or her part to ensure that the company as a whole acts responsibly.
4. We will consider the influence that our corporate activities have on the regional environment and society, and endeavor to improve the social standing of the company.

Environmental Management

Honda has developed an institutional framework to put into practice the principles of environmental conservation as defined in the Honda Environmental Statement. Honda's regional operations, including the North America region, are given broad authority to fulfill their operational business responsibilities, which include planning and acting in accordance with Honda's environmental

vision to minimize the environmental impact of their local business activities. A hallmark of Honda environmental initiatives is that planning and execution are not delegated to specialists; rather, they are taken up directly by associates in all departments, who are engaged with environmental issues as part of their duties.

Sustainability Strategy Committee

The Sustainability Strategy Committee determines annual plans for implementing sustainability programs on a global level based on the company's medium-term business plans determined by the Executive Council. The company's president and CEO currently chairs the committee.



North American Environmental Committee

Regional environmental representatives for each of six Honda regional operating groups, including the North American Environmental Committee, discuss and evaluate annual achievements under the plan and then, based on the results, create new targets and plans. The North American Environmental Committee is chaired by the company's North American president and CEO, and includes members of the company's regional operating board representing the United States.

Key Practices

Environmental Risk Management

Honda considers risk management to be an integral part of environmental management. Honda's approach to risk management is reflected in various activities:

- systems for preventing spills and unplanned releases;
- systems for reducing environmental releases;
- systems for recycling products, components and manufacturing byproducts, in order to minimize landfill waste; and
- triple-checked vehicle emissions testing to assure automobile emissions compliance.
- North American green building standard to ensure built-in energy efficiency for new buildings.

From long-term planning to daily operations, Honda strives to understand the risks of environmental impact and to make prudent decisions to minimize impacts wherever possible. Honda North America, Inc., a subsidiary of Honda Motor Co., Ltd., serves as auditor, helping to ensure that Honda's various subsidiary companies and its affiliated suppliers in the North America region are in compliance with all applicable environmental laws and regulations. It also provides support to those companies in determining and implementing best practices for Honda's environmental management activities in the region.

Environmental Laws and Regulations

Regulatory compliance is fundamental to the production and in-use performance of Honda products and to the continuance of Honda's operations in North America. All Honda companies have systems in place to ensure that their activities comply with all applicable legal requirements..

Emissions-Related Product Recalls

Honda's policy on product recalls, including emissions-related recalls, is in accordance with the procedures of its Quality Committee, which is composed of senior executives from various divisions of Honda. The Quality Committee makes decisions about Honda products manufactured and sold throughout the world, relying upon recommendations from Honda experts in each region.

North American Environmental-Related Fines

Honda had no environmental-related fines in the fiscal year ended March 31, 2019.




Addressing Global Climate Change and Energy Use

2020 Product CO₂ Emissions Reduction Targets

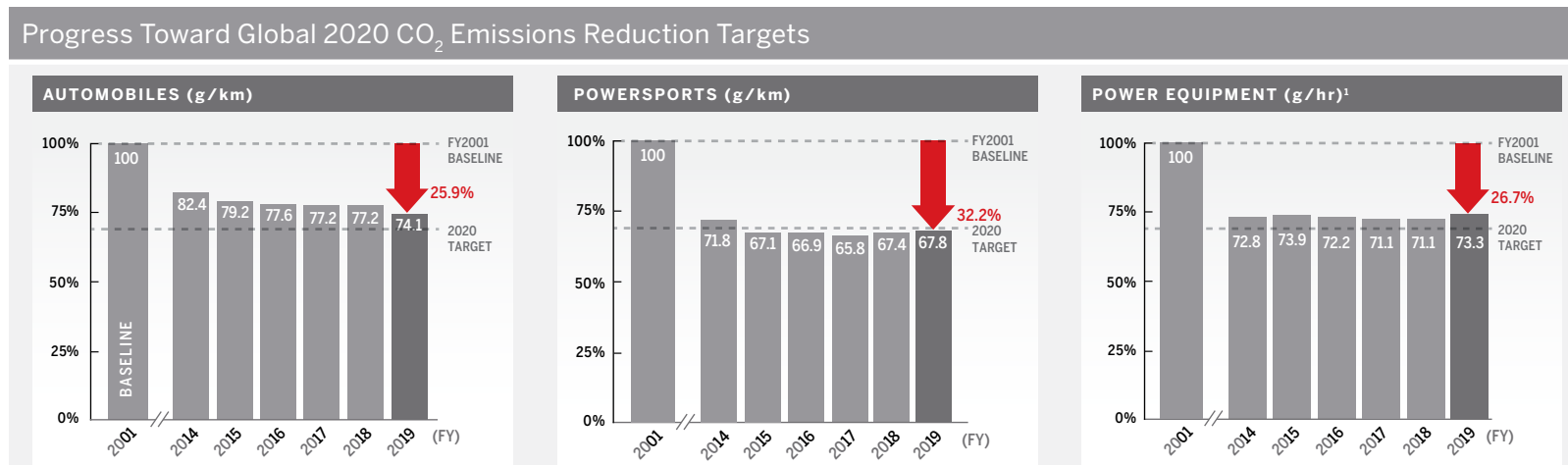
Reducing global CO₂ emissions from our products is a necessary step in combating climate change and energy use issues, which is why Honda established voluntary targets for reducing the CO₂ emissions intensity of its products by 2020. The company is aiming for a 30 percent reduction in the global average CO₂ emissions intensity of Honda automobiles, motorcycles and power equipment products, compared with FY2001 levels. These targets are an interim step toward the company's longer term goal of cutting total company CO₂ emissions in half by 2050, compared to 2000

levels. This ambitious goal includes not only new products but all Honda products in operation in that year as well; meeting these 2050 targets will require new products that emit at 80-90 percent below 2000 levels. Honda aims to steadily reduce CO₂ emissions by progressively promoting three strategies: (1) reducing emissions through increasing the efficiency of internal combustion engines; (2) reducing emissions by introducing environmentally innovative technologies; and (3) eliminating emissions through the use of renewable energy and total energy management.

2020 Product CO₂ Emissions Reduction Targets

Global average CO ₂ emitted by Honda products	→	30% reduction  Automobiles 30% reduction (g/km CO ₂) from FY2001 levels by 2020	30% reduction  Powersports 30% reduction (g/km CO ₂) from FY2001 levels by 2020	30% reduction  Power Equipment 30% reduction (g/hr CO ₂) from FY2001 levels by 2020
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Regions covered: Automobiles — Japan, North America, Europe, Asia and Oceania, China, Latin America (more than 90 percent of global sales); Motorcycles — Japan, North America, Europe, Thailand, India, China, Indonesia, Vietnam, Brazil, Philippines, Malaysia, Pakistan (more than 90 percent of global sales); Power Equipment — All products sold in all regions.



¹ CO₂ emissions for power equipment products were calculated using average usage time and required output for each engine up until FY2015. In order to ensure greater precision in these calculations, since FY2016 Honda has used usage time and required output in consideration of the users of each product, with all previous years retroactively restated with 2001 as the base year.

Honda's Approach to Climate Change Policy

Honda recognizes climate change as a serious environmental concern with significant consequences for all of society. For years, the company has been, and remains, firmly committed to mitigating climate change impacts throughout our broad array of corporate activities. While improving the fuel efficiency of our products and developing non-petroleum fueled alternatives are perhaps the most visible of these activities, significant efforts have been made to improve manufacturing and logistics activities as well. Honda takes a portfolio approach in developing technologies to address climate

change. By pursuing multiple pathways, Honda can better address the environmental challenges of each market as well as the needs of individual consumers. Solving an environmental challenge as complex as global climate change requires concerted efforts by industry, government and consumers alike. First and foremost, we recognize that a successful GHG reduction program requires broad market acceptance of the technologies developed to reduce GHG emissions. Using this philosophy as a foundation, Honda takes the following positions on current climate change-related policy issues:

Honda's Approach to Climate Change Policy in North America

Public Policy Initiatives	Honda's Position
Federal Fuel Economy (CAFE) and Vehicle Greenhouse Gas Emissions (GHG) Standards	Honda was among the earliest supporters of, and was a signatory to, the White House initiatives to have a single program that harmonized fuel economy and GHG emissions standards for model year 2012-2016 and 2017-2025 vehicles. Honda continues to support a national compliance path. In today's marketplace, a nationwide set of technology neutral, performance-based standards, such as the CAFE and GHG standards, helps drive innovative ideas to reduce fuel consumption and carbon emissions. The federal agencies that regulate CAFE and vehicle GHG standards (NHTSA and EPA) are currently evaluating changes to the standards, including flattening model year 2021 standards through 2026. Honda believes that any changes should have a sound scientific basis, yield steady annual increases in stringency, and provide policy support for the development of next-generation technologies. Honda supports policies incentivizing electrified vehicle development – advanced technology multipliers, for example – are an important catalyst for transitioning to a future ultra-low carbon vehicle fleet. Honda continues to encourage the federal agencies and California to work together on any final proposal to modify the standards to ensure that a national compliance path is maintained and continues to meet environmental goals while being mindful of consumer receptivity. Such discussions could also lead to better harmonization and integration among many programs, including the federal CAFE and GHG programs, as well as regional programs such as the California standards and the Section 177 state regulations that follow those standards.
Decarbonization of Transportation Fuels	Honda has consistently asserted that fuel and vehicle pathways need to be evaluated on a "well to wheel" basis (although regulatory obligations to achieve decarbonization should be assigned to fuel producers). A significant shift towards electrified vehicles will provide meaningful environmental benefit only if the electric grid is substantially decarbonized. While Honda is working to increase renewable fuel use in our operations (factories, offices, etc.), low-carbon electricity, hydrogen, gasoline and diesel are available as transportation "fuels." Public policy efforts in this area can take many forms, including cap and trade, low carbon fuel standards and clean power plans. Honda's endorsement of these policies depends, of course, on the specifics of each proposal, but generally we are supportive of efforts to reduce the carbon content of transportation fuels.

¹ Neither hydrogen nor electricity are technically "fuels" but rather energy carriers. We use the term "fuel" to mean the form of energy on-board the vehicle used in propulsion.

Honda's Approach to Climate Change Policy cont'd

Public Policy Initiatives	Honda's Position
<p>Incentives</p>	<p>Government incentives can be constructive in stimulating nascent and expensive technologies, such as those used in fuel cell vehicles, battery-electric vehicles and plug-in hybrid electric vehicles. Incentives should be technology neutral, performance based and limited in duration. Both financial incentives, such as consumer tax credits, and non-financial incentives, such as HOV lane access for advanced-technology vehicles, are proven to stimulate demand and enlarge the market for those types of automobiles. At the same time, the non-financial HOV incentive should be balanced with the original purpose of the carpool lanes, namely traffic congestion mitigation and air-quality improvement. Newly constructed High Occupancy Toll (HOT) lanes — as well as those converted from existing HOV lanes — should accommodate advanced technology incentives commensurate with current HOV lane incentives in the particular state (such as cost-free access).</p>
<p>Renewable Fuels Biofuels, Ethanol and Flex Fuel Vehicles</p>	<p>Renewable fuels offer promising opportunities to displace petroleum, and have the potential to reduce GHG emissions. However, some renewable fuels are more effective, sustainable and/or economically viable than others at achieving this objective. Biofuels research continues to advance, as does the scientific understanding of both positive and adverse impacts of its use. Complex and vexing challenges related to biofuels use, such as indirect land use and “food versus fuel” impacts, are important considerations in assessing their broader social value. Compatibility with existing and future products, a viable distribution network and a refueling infrastructure are all critical considerations.</p> <ul style="list-style-type: none"> • In mid-2019, EPA lowered barriers to E15 usage, permitting the sale of the fuel year-round. While new automobiles are generally capable of operating on E15, the fuel's presence in the market does present nontrivial issues. Since blends in excess of 10 percent are not inherently compatible with legacy vehicles, small engine products, and motorcycles, the government must assure that legacy fuels remain in the marketplace and provide for effective safeguards to prevent misfueling by consumers. • Ethanol does offer the promise of higher octane levels which, along with octane added at the refinery, is important to meet the fueling needs of advanced internal combustion engines. • Drop-in fuels – fuels that can be used without major changes to the fueling infrastructure, such as bio-butanol – are promising alternatives to ethanol, as they would obviate many of the problems that manufacturers, distributors, providers and consumers currently face with mid-level ethanol blends.
<p>Macro-Economic Drivers</p>	<p>While regulatory mandates are one way of achieving reduced GHG emissions, a carbon tax or cap-and-trade program are market-based tools that may be more efficient in achieving a similar goal. Both approaches have precedent, but must be implemented in thoughtful ways that spread the burden equitably, avoid windfalls and are reasonable to administer.</p>
<p>California Air Resources Board (CARB) Zero-Emission Vehicle (ZEV) Mandate</p>	<p>The ZEV mandate requires automakers to sell zero-emission technology vehicles in California and nine other states that have adopted the standards. Because the level of customer acceptance of these new technology vehicles is still unclear, the ZEV mandate should be structured to provide greater flexibility to promote the full array of advanced, zero emission technology options. While Honda is a strong supporter of electrified vehicle technologies, the company believes it is fundamentally too early to rely on any single technology toward long-term goals of reducing GHG emissions and petroleum consumption. Basing a regulatory framework on environmental benefits rather than technology types would yield comparable social benefits, yet do so in a way that fosters creative engineering solutions for meeting our midcentury climate goals.</p> <p>In order to succeed, zero-emission vehicle policies mandating adoption of these technologies must be complemented by state policies aimed at building out new fueling infrastructure, reducing other market barriers and encouraging technology adoption by consumers. All states mandating the technology should be committed to providing both infrastructure and robust financial and non-financial incentives to help foster market interest and acceptance.</p>

Risks and Opportunities of Climate Change and Energy Use

Based on Honda’s global assessment of environmental risks, our North American management team is constantly surveying future environmental, economic and social needs in the North American region in an effort to anticipate their effects on our business. Virtually

every future risk carries with it an opportunity, and anticipating and responding quickly gives Honda the greatest degree of flexibility to ensure the sustainability of its business. We are focusing here on three key risk areas: Air Quality, Climate Change and Energy Security.

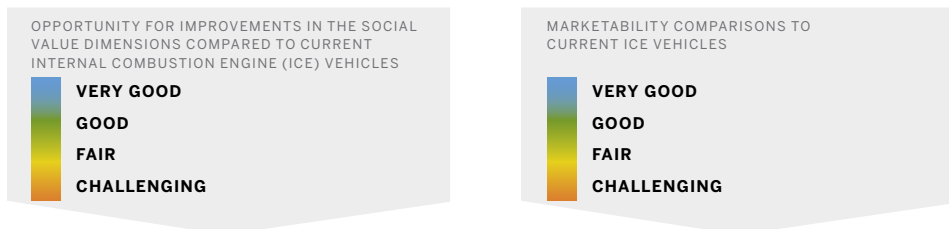
Key Areas of Risk Management	Risks and Opportunities
<p>Air Quality</p> <p>There are three primary elements to air quality impacts that Honda addresses: precursors to smog (localized health effects), particulate matter (localized health effects and contributor to climate change) and carbon monoxide (localized health effects). Virtually every combustion engine product Honda makes is regulated with respect to one or more of these impacts.</p>	<ul style="list-style-type: none"> • Honda has aggressively met or exceeded emissions standards, frequently prior to regulatory requirements, and has worked cooperatively with regulatory agencies to continuously reduce harmful emissions. • While dramatic improvements have been made during the past 30 years and new priorities (such as climate change) have emerged, air-quality regulations continue to become more stringent. In 2017, the automotive industry began complying with stringent new “Tier 3” emissions standards designed to harmonize with California’s aggressive LEV III standards. Honda strongly supported this effort. • Honda does not anticipate that future emissions standards through 2025 pose significant threats to its business, nor do they represent a significant competitive advantage for Honda.
<p>Climate Change and Energy Security</p> <p>Society’s growing demand for cleaner, more fuel-efficient products and alternative sources of energy, along with stringent new fuel economy and greenhouse gas emissions requirements across the globe, pose a significant challenge to the auto industry to accelerate the development and deployment of new technologies while meeting customers’ expectations for vehicle performance, utility, safety, reliability and affordability.</p>	<ul style="list-style-type: none"> • Honda is focused on the issues of climate change (greenhouse gas emissions) and energy security in all of its business activities, in particular in the development of more fuel-efficient and alternative-fuel products. This year, Honda was recognized by the U.S. EPA as having the lowest average new-vehicle CO₂ emissions and highest fuel economy out of thirteen major automakers – a position Honda has been at or near over the past few decades. • Honda took a cooperative role in new U.S. fuel economy and greenhouse gas regulations for the period 2012-2025. While these regulations pose a substantial challenge with respect to the introduction and marketing of new and potentially costly technologies, we embrace the challenge of meeting these standards by leveraging our capabilities in the areas of fuel-efficient propulsion systems, reduced auxiliary loads, reduced running resistance (improved aerodynamics and light-weighting) and alternative-energy technologies.

Improving Fuel Efficiency and Reducing Greenhouse Gas Emissions

Honda has long pursued a “portfolio approach” to addressing both greenhouse gas emissions and energy issues. This strategy encompasses multiple technology pathways and seeks to comprehensively address the challenges associated with the deployment of new energy and vehicle technologies. The chart that follows seeks to provide Honda’s perspective in the North American market with respect to this portfolio approach, and to present a clear, concise and contemporary rating system for various technologies regarding their potential benefits to society and their unique marketability challenges.

In terms of environmental impact, tailpipe emissions represent only a portion of a vehicle’s carbon emissions. Additional emissions result from the extraction, refining and transporting of fuel used by the vehicle. A well-to-wheels assessment is necessary to account for

these emissions. It is also critical for comparing vehicle technologies that run on different fuels, such as electrically powered vehicles that draw a large portion of their power from stationary sources.



Many of these judgments are difficult and may shift over time as information becomes clearer, technologies evolve or circumstances change. For now, these color-coded references serve as a quick comparison between the current promise of these technologies and strategies for the North American market.

Social Values			Marketability				Honda's effort
AIR QUALITY	GHG REDUCTION	ENERGY SECURITY	INFRA-STRUCTURE	COST	FULL FUNCTION	APPEAL	

Improved Gasoline Internal Combustion Engine	VERY GOOD	FAIR	GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	<p>Honda is broadly applying advanced engine technology, including low-friction engine features, variable valve timing, direct Injection, cylinder deactivation, engine idle stop and downsized turbocharging.</p> <p>Honda has been steadily expanded the use of downsized direct-injected turbocharged engines with continuously variable transmissions in its most popular car models in North America, including Civic, CR-V and Accord; as well as more efficient 9- and 10-speed transmissions in larger light truck models, including the Pilot and Passport SUVs, Odyssey minivan, Acura RDX and Acura MDX.</p> <p>Ultra-efficient Atkinson cycle 4-cylinder engines achieving more than 40 percent thermal efficiency are also being utilized in the Accord Hybrid, Clarity Plug-In Hybrid and new Insight hybrid sedan.</p>
	<p>There remain significant opportunities to further improve the fuel efficiency of the gasoline internal combustion engine (ICE).</p> <p>Even with potential modest increases in vehicle miles travelled, fuel efficiency improvements directly correlate with reductions in both greenhouse gas emissions and petroleum use.</p> <p>Improved ICE presents the greatest near-to mid-term overall social benefit because of its high volumes and broad market acceptance and fueling infrastructure.</p>	<p>The incremental costs of improving ICEs should be paid back by fuel savings over several years, even under current, moderate fuel prices.</p> <p>Improved gasoline ICEs are proven to be appealing and well accepted by consumers.</p>						

Improving Fuel Efficiency and Reducing Greenhouse Gas Emissions cont'd

	Social Values			Marketability				Honda's effort
	AIR QUALITY	GHG REDUCTION	ENERGY SECURITY	INFRA-STRUCTURE	COST	FULL FUNCTION	APPEAL	
Natural Gas Vehicles	VERY GOOD	UNCERTAIN	GOOD	CHALLENGING	FAIR	GOOD	GOOD	<p>Honda began selling natural gas vehicles in 1998 to U.S. fleet customers, extending sales to retail customers in 2001. Over a 17 year period, Honda brought four generations of the Civic Natural Gas to the U.S. market before discontinuing sales in 2015 based on limited market demand. Honda continues to market natural gas vehicles in Asia.</p>
	<p>Natural gas is an abundant, inexpensive, domestic fuel.</p> <p>Since natural gas is a domestic alternative to petroleum, it is excellent for energy security.</p> <p>Recent research into the "well-to-tank" portion of natural gas emissions has raised concerns about the true "well-to-wheels" greenhouse gas benefits of natural gas vehicles. Uncertainty remains about the quantity of methane leakage that occurs during natural gas extraction. Continued attention should be paid to the methods of extracting natural gas to ensure there are no substantial negative environmental or public health impacts.</p>			<p>Public refueling stations remain the single biggest obstacle to the widespread adoption of light-duty natural gas vehicles.</p> <p>The cost premium for natural gas vehicles is roughly the same as that of a hybrid automobile, with the potential for further reductions. Over time, this cost premium can be offset by the lower fuel cost.</p> <p>In mainstream products, particularly sedans and smaller vehicles, vehicle utility, such as cargo space, can be negatively impacted by the space required for fuel storage.</p> <p>Natural gas vehicles offer performance, safety features, and comfort on par with their gasoline counterparts.</p> <p>Natural gas refueling infrastructure will need to be built-out in order for these vehicles to be viable for the consumer market.</p>				
Diesel	GOOD	FAIR	GOOD	GOOD	FAIR	VERY GOOD	FAIR	<p>Honda markets multiple diesel-powered models in Europe, India and other markets outside North America; however, with the move to electrification, the company is no longer actively developing new diesel technology.</p>
	<p>Modern diesel engines can meet stringent emissions standards.</p> <p>Diesel contains 13 percent more carbon than gasoline, eroding some of the CO₂ emissions benefits of the engine's higher efficiency, resulting in a score of "fair" for GHG reduction.</p> <p>Diesel vehicles offer up to 30 percent fuel efficiency gains over similar conventional gasoline models, providing energy security benefits.</p>			<p>Diesel engines typically cost significantly more than their gasoline counterparts. In some markets outside North America, diesel fuel is taxed at a lower level than gasoline, resulting in lower prices, so the fuel savings can offset that cost. In North America, diesel fuel is usually more expensive than gasoline, and this is expected to continue into the future. Therefore, the added cost of the engines, together with the higher priced fuel, results in an overall higher cost.</p> <p>In recent years, diesel technology has seen improvements in a number of areas, including performance and noise.</p>				

Improving Fuel Efficiency and Reducing Greenhouse Gas Emissions cont'd

	Social Values			Marketability				Honda's effort
	AIR QUALITY	GHG REDUCTION	ENERGY SECURITY	INFRA-STRUCTURE	COST	FULL FUNCTION	APPEAL	
Biofuels	VERY GOOD	CHALLENGING-VERY GOOD	GOOD	CHALLENGING-VERY GOOD	GOOD-VERY GOOD	VERY GOOD	FAIR	<p>All Honda and Acura automobiles, as well as the company's motorcycle and power equipment products, are capable of operating using E10 (10 percent ethanol in gasoline).</p> <p>From model year 2015, every Honda and Acura automobile is capable of operating on E15. Honda encourages the U.S. EPA to take steps to prevent the misfueling of small engine products and legacy vehicles with mid-level (greater than 10 percent) ethanol blends.</p>
	<p>Depending upon their feedstocks, land use changes and production processes, the greenhouse gas emissions from biofuels vary significantly.</p> <p>Certain biofuels offer significant opportunities to reduce petroleum use, although the scalability and volume potential of biofuels is unclear, hence the "good" rating.</p> <p>The greatest challenge is achieving sustainable biofuel processes that minimize impacts on land, water and food. There is concern about the volume of sustainable biofuels.</p> <p>From a policy perspective, prudence may suggest they be reserved for other modes of transportation that lack low-carbon alternatives, such as aviation.</p>			<p>Infrastructure varies significantly: ethanol requires new infrastructure for transporting the fuel; however, some biofuels are "drop-in" fuels like bio-butanol or bio-diesel. Drop-in fuels have the potential to fit directly into existing infrastructure.</p> <p>Biofuels containing ethanol are less appealing to consumers since they must refuel more frequently due to the fuel's lower per-gallon energy content.</p>				
Hybrid Electric Vehicles (HEVs)	VERY GOOD	GOOD	GOOD	VERY GOOD	FAIR	VERY GOOD	VERY GOOD	<p>Honda helped pioneer hybrid technology with the launch of the 70-mpg¹ rated Insight in 1999. The company has continually advanced its technology in multiple generations of the Insight, Accord and Civic models, most recently with the 3rd-generation Accord Hybrid (2018) and all-new Insight compact sedan (2019), both utilizing the 4th-generation of Honda's two-motor hybrid technology.</p> <p>Acura is now employing a three-motor hybrid design, marketed as Sport Hybrid Super-Handling All Wheel Drive™, in three of its six models: the Acura RLX sedan, the MDX seven-passenger SUV, and the NSX high-performance sports car.</p> <p>Honda intends to introduce hybrid technology to virtually all of its core models in North America in the years ahead.</p>
	<p>Hybridization can significantly increase fuel efficiency by utilizing the engine in its most efficient operating band, downsizing the engine, as well as using energy captured during deceleration and braking for motive power.</p> <p>These significant improvements in efficiency directly result in meaningful GHG reductions and corresponding reductions in gasoline consumption (Energy Security).</p>			<p>The cost premium versus gasoline-only vehicles remains the most significant barrier to broader market appeal.</p> <p>Hybrid automobiles are increasingly viewed as mainstream technology with a high level of appeal. Performance, safety features and utility of HEVs are virtually on par with conventional ICE vehicles.</p>				

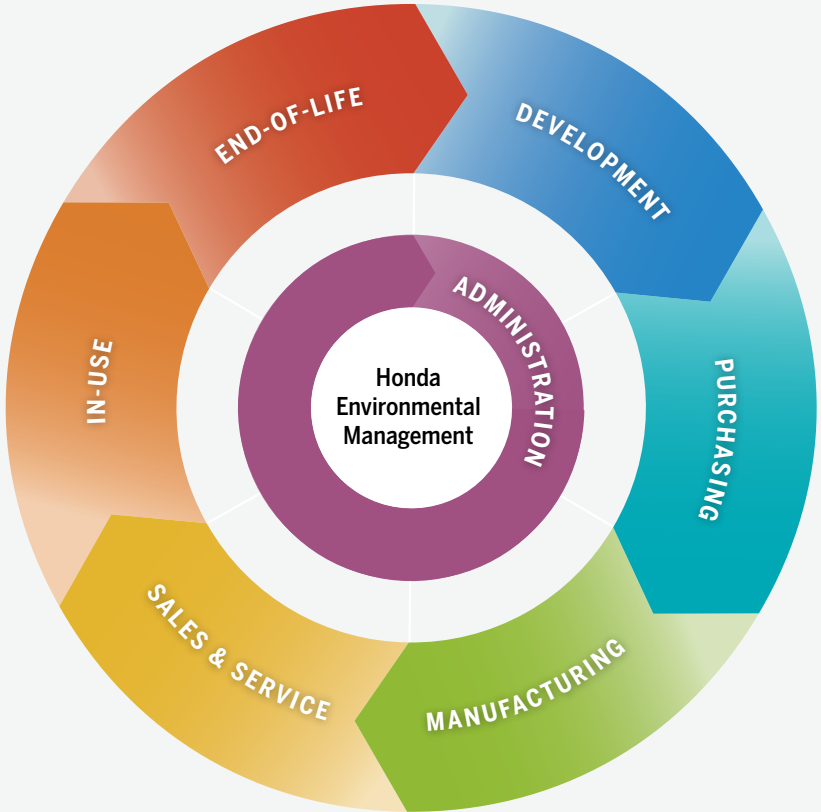
¹ The 70-mpg insight was based on different rules for rating fuel economy, compared to today's rules.

Improving Fuel Efficiency and Reducing Greenhouse Gas Emissions cont'd

	Social Values			Marketability				Honda's effort
	AIR QUALITY	GHG REDUCTION	ENERGY SECURITY	INFRA-STRUCTURE	COST	FULL FUNCTION	APPEAL	
Plug-In Hybrid Electric Vehicles (PHEVs)	VERY GOOD	VERY GOOD	VERY GOOD	FAIR	CHALLENGING	VERY GOOD	VERY GOOD	<p>Honda introduced its first PHEV, the Accord Plug-In Hybrid, in 2013 as the first vehicle to utilize the company's two-motor hybrid technology. In 2018, Honda introduced its second PHEV, the Clarity Plug-In Hybrid sedan to U.S. and Canada customers. The Clarity Plug-In Hybrid offers a spacious and premium five-person cabin and carries a 47 mile EPA-all-electric driving range rating.</p>
	<p>PHEVs use both gasoline and grid-based electricity. Honda supports a "well-to-wheels" approach for evaluating all technologies (including gasoline and diesel). Accordingly, both the on-board (gasoline) and remote (electricity) GHG emissions must be accounted for in the overall evaluation of PHEVs. While OEMs are accountable for the environmental performance of their vehicles; utilities should be accountable for the grid.</p> <p>Using grid-based electricity in place of gasoline results in reduced consumption, enhancing energy security.</p>			<p>While most PHEVs can utilize conventional 120V AC electricity, not all consumers have consistent access to off-street parking with electricity in close proximity. PHEV marketability could be improved with greater build-out of public and workplace charging infrastructure.</p> <p>Cost remains a significant barrier to broader marketability. The incremental fuel savings between HEVs and PHEVs is not sufficient to offset the incremental PHEV costs, based on current battery and gasoline costs.</p> <p>Plug-in hybrids offer similar utility and performance to conventional hybrids.</p>				
Battery Electric Vehicles (BEVs)	VERY GOOD	VERY GOOD	VERY GOOD	CHALLENGING	CHALLENGING	CHALLENGING	VERY GOOD	<p>Honda was first to market an advanced battery electric vehicle in the U.S., and has continued to advance its technology through vehicles like the Fit EV, leased to consumers in California and select East Coast markets from 2012 until 2016. In late 2017, Honda began leasing its new Clarity Electric midsize sedan to consumers in California and Oregon.</p> <p>Honda plans to introduce the Honda E small BEV hatchback in Europe and Japan in 2020. The company is also developing battery-electric vehicles better suited to the North American market in terms of range and utility and will launch new products in the years ahead.</p> <p>In July 2018, Honda and General Motors announced a collaboration for the development of next-generation electric vehicle battery technology. Honda has also initiated and/or joined several research projects investigating smart charging, energy grid services and other potential ancillary benefits of connecting EVs with the U.S. electric grid.</p>
	<p>BEVs use grid electricity for motive power. The stationary source (powerplant) GHG emissions must be accounted for in the overall evaluation of BEVs. While OEMs are accountable for the environmental performance of their vehicles; utilities should be accountable for their grid emissions.</p> <p>Cleaning up the emissions from powerplants is an ongoing challenge. Increasing the generation of electricity from renewable energy sources, and reducing reliance on CO2-intensive sources such as coal are examples of grid mix shifts that can make BEVs more environmentally attractive.</p> <p>BEVs substitute energy from the electric grid (or, in certain cases, distributed renewable generation) for petroleum consumption, enhancing energy security.</p>			<p>BEVs require access to consistent, off-street parking and the installation of specialized charging equipment with 240V AC capability. In addition, a network of DC Fast Charging (defined as 80 percent charge in 30 minutes or less) will be helpful to fully market these vehicles.</p> <p>With respect to "full functionality," BEVs have limited range and long recharge times. Further, range can vary substantially based upon environmental conditions (temperature, humidity, etc.).</p> <p>Although electricity costs are significantly lower than gasoline costs on a per-mile basis, the higher initial costs of advanced batteries remain a challenging obstacle to marketability on a broad scale.</p> <p>BEVs can excel in the attributes of quiet and responsive driving, which are appealing to consumers.</p> <p>Extension of range and performance enhancement and capability requires the addition of more batteries with significant packaging and weight penalties.</p>				

Improving Fuel Efficiency and Reducing Greenhouse Gas Emissions cont'd

	Social Values			Marketability				Honda's effort
	AIR QUALITY	GHG REDUCTION	ENERGY SECURITY	INFRA-STRUCTURE	COST	FULL FUNCTION	APPEAL	
Fuel Cell Electric Vehicles (FCVs)	VERY GOOD	VERY GOOD	VERY GOOD	CHALLENGING	CHALLENGING	GOOD	VERY GOOD	<p>Honda has long helped lead the advancement of fuel cell vehicle technology, prioritizing real-world experience with regular customers and, in the process, overcoming numerous market and technical hurdles. In late 2016, Honda introduced its newest FCV, the Clarity Fuel Cell, a stylish, five-seat sedan. The vehicle carries a range rating of 360 miles.</p> <p>In July 2013, Honda and General Motors announced an effort to co-develop next-generation fuel cell system and hydrogen storage technologies, and announced in 2017 that Honda and GM will jointly produce these technologies in Brownsville, Michigan, beginning in or around the 2020 time frame.</p>
	<p>On a well-to-wheels basis, most hydrogen pathways are extremely clean. Hydrogen is identified by the California Air Resources Board as one of its ultra-low carbon fuel pathways.</p> <p>Hydrogen can be sourced in many different ways, including from electrolysis and from hydrocarbons. Either of these two methods replaces petroleum.</p>			<p>The cost of fuel cell technology and the very limited refueling infrastructure remain significant barriers, though California is making a significant commitment to helping foster a fueling station network.</p> <p>Fuel cell vehicles deliver performance, utility, comfort, refueling time and driving range virtually on par with conventional gasoline-powered automobiles.</p>				
TECHNOLOGIES THAT APPLY TO ALL VEHICLES, REGARDLESS OF FUEL OR TYPE OF POWERTRAIN								
	Social Values			Marketability				Honda's effort
Reducing Running Resistance	<p>Improved aerodynamic design, reduced tire rolling resistance, and lower vehicle mass can improve the fuel efficiency of any type of vehicle regardless of powertrain or energy source.</p> <p>This has a positive effect on both GHG reduction and petroleum consumption.</p>			<p>Efforts to reduce running resistance must be taken into account with other factors, including vehicle cost, performance, safety features and utility, in order to meet the expectations of customers while simultaneously advancing the social benefits of new products.</p>				<p>Honda is continually researching new means of reducing vehicle running resistance while delivering on the performance, utility, and safety requirements its customers demand.</p> <p>All new automobiles introduced over the past decade have used increasing amounts of high-strength lightweight steel in vehicle body structures. The redesigned 2018 Accord utilizes 29 percent ultra-high strength steel, the highest percentage ever for a mass-produced Honda vehicle.</p> <p>Other measures being undertaken to reduce running resistance include improved aerodynamic design. In 2017, the company announced plans to invest \$124 million in an advanced new wind tunnel research and testing facility in Ohio. The new facility will complement the current partial-scale wind tunnel, which combined with advanced computer simulations, has helped to improve the aerodynamic efficiency of new products.</p>



Life Cycle Assessment

Honda recognizes Life Cycle Assessment (LCA) as a critical tool for understanding the impact of its products and operations on the environment, and is working to minimize that impact in virtually every aspect of its business.





Designing Products with the Environment in Mind

Environmental factors are considered early and in each phase of the design and development process of every Honda and Acura product. In component design and in the selection of materials, Honda looks for opportunities to reduce a product’s total environmental footprint, including its impact at the end of its useful life. Accordingly, Honda engineers take into account such factors as dismantling complexity, component remanufacturing and the minimization of substances of concern (SOCs).

Product Recyclability

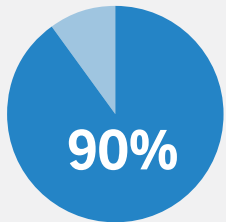
In accordance with its global standard for the development of Honda automotive products, the company has achieved and is committed to maintaining recyclability and recoverability levels as shown below since 2004:

Honda’s recyclability and recoverability calculation methods are based on a standard widely adopted by automobile manufacturers (ISO 22628) to determine the level of recyclability and recoverability in any particular vehicle.

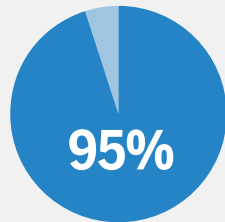
Honda will continue to look for new ways to improve the design recyclability of future products, in balance with other critical considerations, such as quality, efficiency, cost and durability.

MINIMUM LEVELS OF DESIGN RECYCLABILITY¹

Automobiles



Powersports & Power Equipment



¹ Honda’s calculation of product recyclability is based on the ISO standard 22628, titled “Road Vehicles Recyclability and Recoverability Calculation Method,” which bases its estimates on existing, proven treatment technologies and takes into account the mass of materials recycled, reused, recovered for energy or otherwise diverted from landfill disposal.

Reducing PVC in Honda and Acura Automobiles

Honda's goal is to have a PVC-free material construction for interiors on all of its vehicles. Through the end of FY2019, the vast majority of Honda and Acura models had PVC-free interiors. Where PVC is still employed, primarily in more affordable products where the cost of implementation was determined to be prohibitive, Honda continues to investigate cost-effective alternatives to PVC. Although Honda has minimized the number of vehicle parts containing PVC, technical barriers, quality and cost present a challenge to its total elimination.

MODEL	PVC INTERIOR CONTENT
2018 Honda Fit	Sunvisor, manual transmission shift knob
2018 Honda Civic	None
2018 Honda Accord	None
2018 Honda Clarity	None
2018 Honda HR-V	Sunvisor
2018 Honda CR-V	Sunvisor
2019 Honda Insight	None
2018 Honda Odyssey	None
2018 Honda Pilot	None
2018 Honda Ridgeline	None
2018 Acura ILX	None
2018 Acura RLX	None
2019 Acura RDX	Floormats
2018 Acura MDX	None
2018 Acura NSX	None

Air Quality/Cabin VOC

In line with Honda's strategy to reduce the use of hazardous or potentially harmful substances in its products, Honda is also working to more adequately measure and predict levels of in-cabin VOCs.

- Several low in-cabin VOC technologies, such as low-VOC adhesives, tapes, foams and coating materials, have been applied to Acura and Honda models since 2007.
- Honda will continue its efforts to reduce cabin VOCs and to improve air quality in the cabins of all its vehicles.



CO₂e Emissions

Approximately 97 percent of CO₂e emissions from manufacturing operations in North America fall into two categories: (1) indirect emissions from the production of electricity purchased and consumed by Honda factories; and (2) direct emissions from consumption of natural gas. Honda plants use electricity for automation, lighting, motors, air compressors and cooling. Natural gas is needed for heating and conditioning fresh air, and for manufacturing process equipment such as melt furnaces and paint curing ovens.

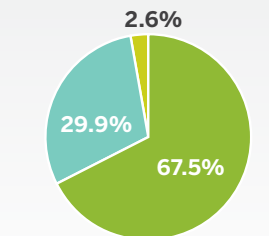
For the FY2019 report, we are reporting CO₂e emissions from manufacturing activity using two measures: one based on the average grid emissions using location-based data for each plant,

and a second based on the actual market-based purchases of grid electricity by Honda factories in North America. This new, second measure provides a more accurate picture of our CO₂e emissions and will be used for reporting purposes going forward. We will continue to provide current and prior years' data in utilizing the location-based method in order to facilitate year-over-year and baseline comparisons.

FY2019 Results: In FY2019, total CO₂e emissions from these two categories were reduced 1.5 percent from previous year's results, in part because the East Liberty, Ohio, auto plant increased its usage of zero CO₂ electricity sources and increased implementation of energy-efficient processes.

CO₂e Emissions from Manufacturing in North America

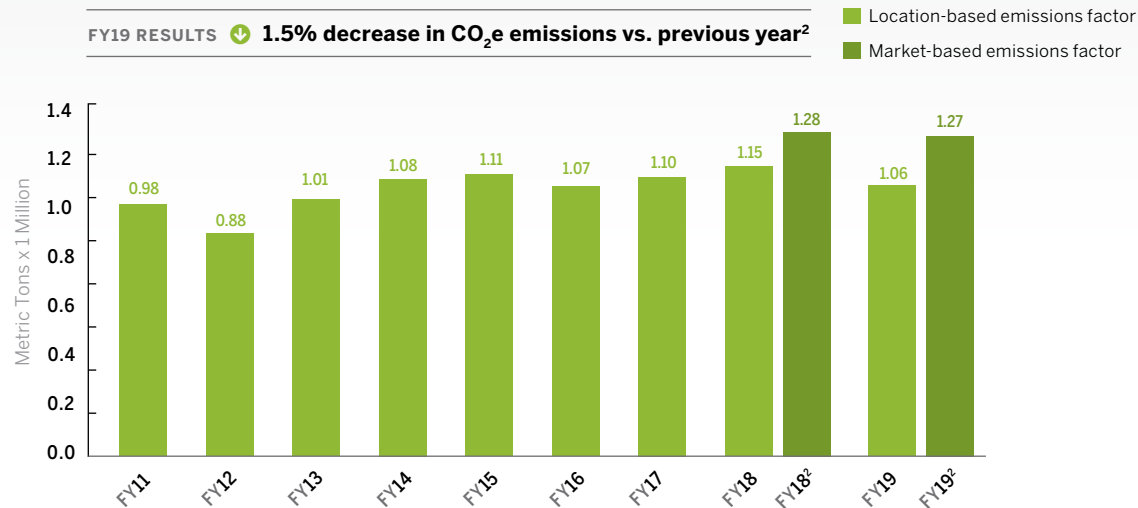
SOURCES OF
CO₂e EMISSIONS



- 67.5% Electricity
- 29.9% Natural Gas
- 2.6% Other Fuels and process emissions

TOTAL CO₂e EMISSIONS FROM MANUFACTURING
(FROM PURCHASED ELECTRICITY AND NATURAL GAS)¹

FY19 RESULTS ▼ 1.5% decrease in CO₂e emissions vs. previous year²



¹Scope 2 emissions using Location-based and Market-based emissions factors as defined in WRI GHG Protocol Scope 2 Guidance

²Using Market-based emissions factor for FY2018 and FY2019

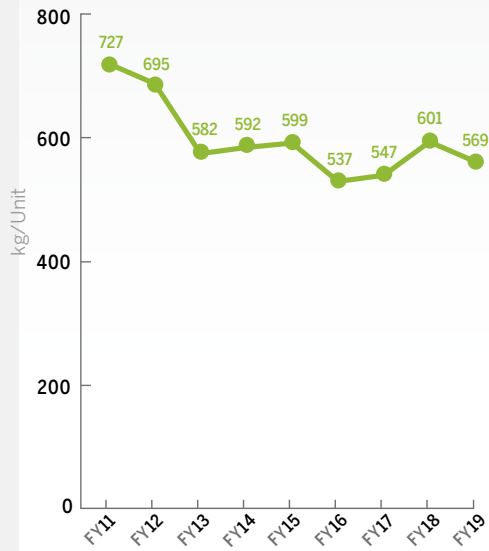
CO₂e Emissions cont'd

Per-Unit CO₂e Emissions (Emissions Intensity)

**AUTOMOBILE
MANUFACTURING¹ (LOCATION BASED)**

FY19 RESULTS

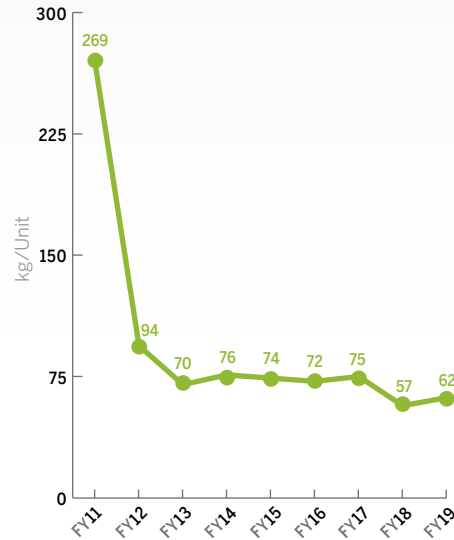
📈 5.3% decrease vs. previous year



**POWERSPORTS
PRODUCT MANUFACTURING¹**

FY19 RESULTS

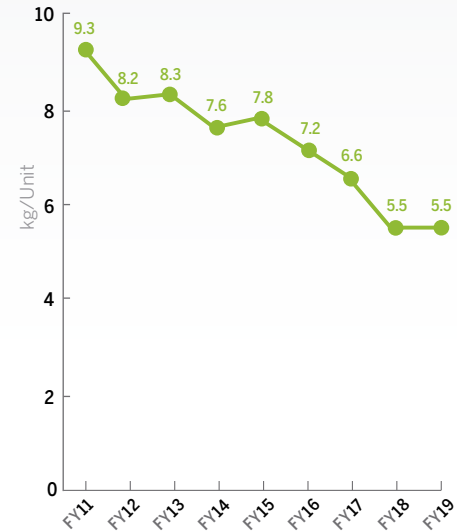
📈 8.1% increase vs. previous year



**POWER EQUIPMENT
PRODUCT MANUFACTURING¹**

FY19 RESULTS

📈 Unchanged vs. previous year



¹CO₂e emissions from the consumption of electricity and natural gas, representing nearly all CO₂e emissions from manufacturing operations in North America.

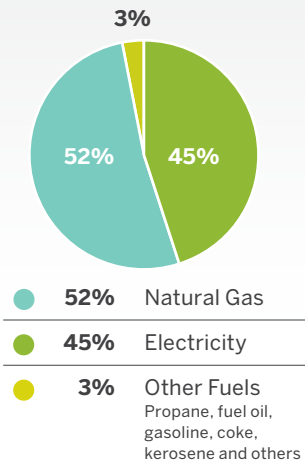
Energy Use

Electricity and natural gas represent approximately 97 percent of total energy consumption by Honda's North American manufacturing plants. Total energy use in auto manufacturing rose 0.5 percent from

the previous year as a result of expansion activity in three North American plants, while per-unit energy use was up 4.8 percent, primarily as a result of a reduction in auto production.

Energy Consumption

ENERGY USE BY SOURCE



ENERGY USE IN MANUFACTURING (TOTAL AND PER AUTO)

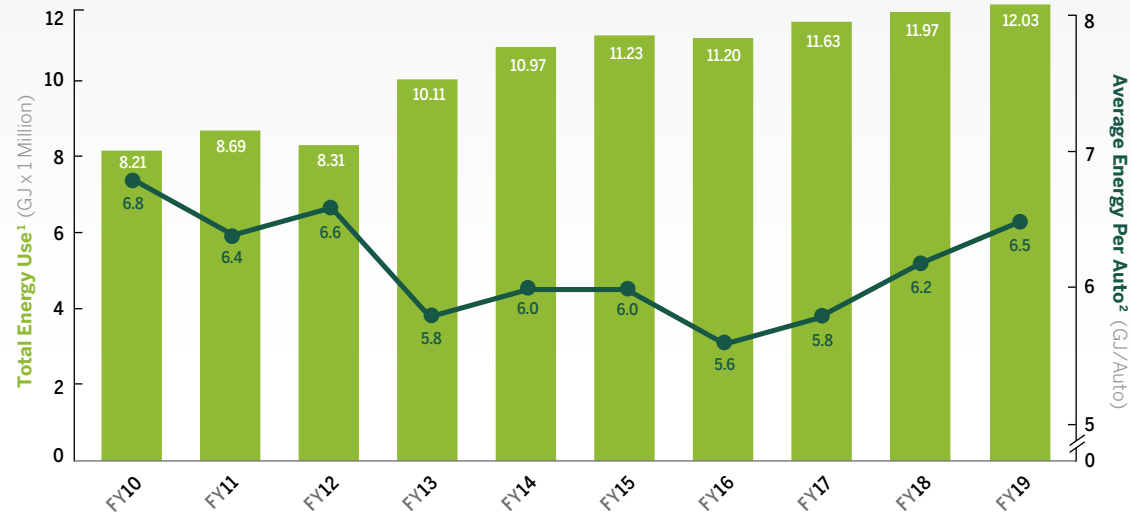
FY19 RESULTS

Total Energy Use:

⬆️ 0.5% increase vs. previous year

Energy Use Per Auto:

⬆️ 4.8% increase vs. previous year



¹ Total energy use from the consumption of electricity and natural gas from all included North American manufacturing operations.

² Energy per-unit encompasses total energy use from the consumption of electricity and natural gas from all included automotive-related manufacturing activity.



Waste

Honda strives to minimize waste in manufacturing and, where possible, to reduce its environmental impact. Honda's management strategy is based on a hierarchy that ranks waste management methods based on environmental preference. Use of waste for energy recovery is preferable to landfill, and recycling/reuse is preferable to energy recovery. Through this methodology, the company has reduced total waste to landfills in North America by 90 percent compared to FY2001 baseline levels (see next page).

FY2019 Results: With respect to solid waste creation (at right), Total solid waste from manufacturing activity was reduced 4.2 percent from the previous year and solid waste for every automobile produced fell 0.4 percent in the same period.

Waste from Manufacturing Operations

SOLID WASTE FROM MANUFACTURING IN NORTH AMERICA

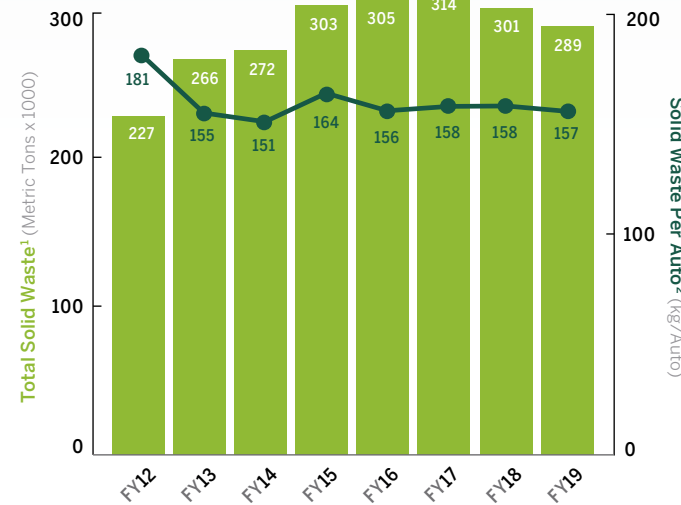
FY19 RESULTS

Total Solid Waste:

📉 4.2% decrease vs. previous year

Solid Waste Per Auto:

📉 0.4% decrease vs. previous Year



¹ Total waste includes all waste generated from all included NA manufacturing operations.

² Total waste per auto includes all waste generated at all included auto-related manufacturing operations, including automobile engines and transmissions.

Waste cont'd

Honda set a target in FY2009 to achieve virtually zero waste to landfill — defined as less than 1 percent of all operating waste for all North American auto, powersports and power equipment manufacturing operations. This goal was achieved from FY2011 to FY2014. Following a temporary increase in FY2015, due in large measure to issues related to the start of production operations at the company's Celaya, Mexico auto plant, Honda is again operating with virtually zero waste to landfills for its manufacturing operations in North America.

FY2019 Results: Total waste to landfills from manufacturing in North America was unchanged from the previous year, while per-auto results rose 6.0% as a result of reduced capacity utilization at the Marysville, Ohio, auto plant, and at the same plant increased production of sludge due to limited supplies of ferric chloride utilized in the wastewater treatment process.

Honda Zero Waste to Landfill Initiative

LANDFILL WASTE FROM MANUFACTURING FACILITIES IN NORTH AMERICA

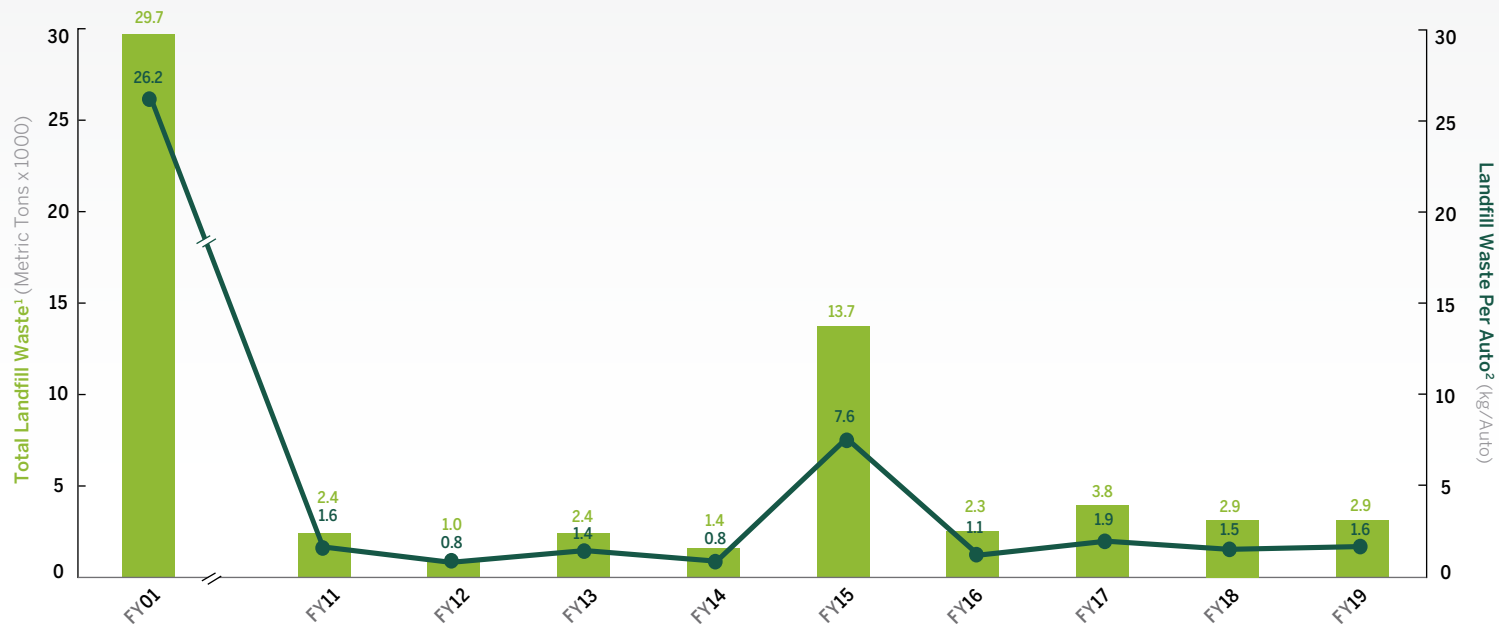
FY19 RESULTS

Total Landfill Waste:

- ⬇️ 90% decrease vs. baseline (FY01)
- ⬇️ No change vs. previous year

Landfill Waste Per Auto:

- ⬇️ 94% decrease vs. baseline (FY01)
- ⬆️ 6% increase vs. previous year



¹ Total landfill waste includes all landfill waste from all included NA manufacturing operations.

² Total landfill waste per auto includes all landfill waste from all included auto-related manufacturing operations, including automobile engines and transmissions.

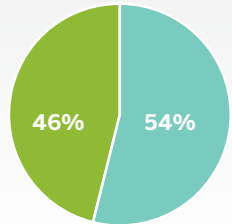


Water Use

FY2019 Results: Total water use fell 3.9 percent year-over-year while per-auto totals were reduced 1.9%, due in large part to favorable weather conditions, production and a cooler summer which decreased the use of water in plant cooling towers.

Water Use

WATER USE BY SOURCE



- 54% Purchased from Local Utilities
- 46% Direct Ground Water Withdrawal
- <1% Rainwater

WATER USE IN NORTH AMERICAN MANUFACTURING FACILITIES

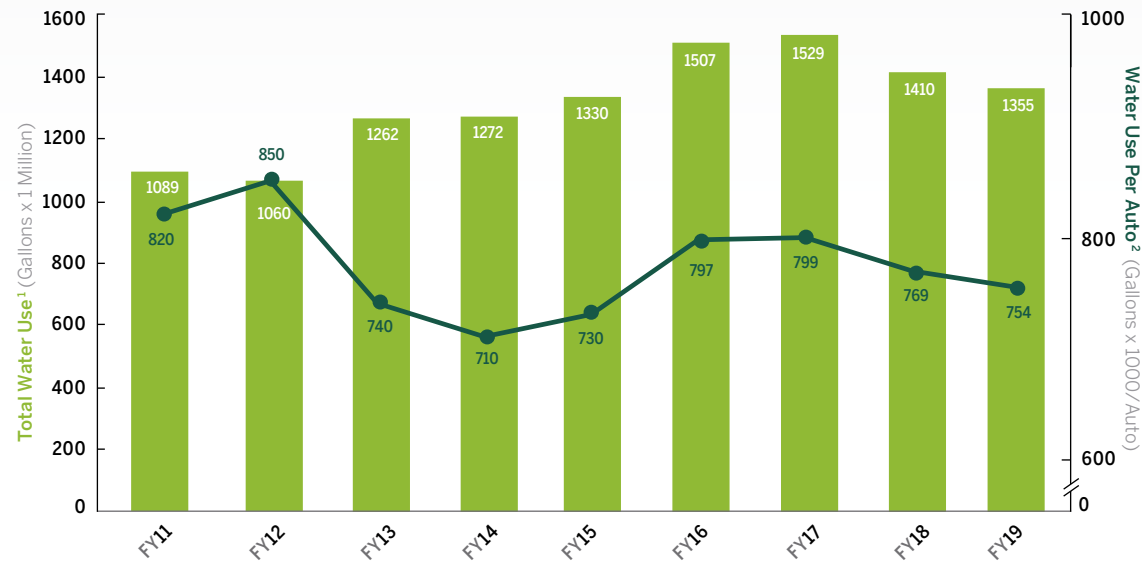
FY19 RESULTS

Total Water Use:

3.9% decrease vs. previous year

Water Use Per Auto:

1.9% decrease vs. previous year



¹ Total water use includes all water withdrawn from all included NA manufacturing operations. It excludes recycle.

² Total water use per auto includes all water use (includes recycle water) from all included auto-related manufacturing operations, including automobile engines and transmissions.



Water Use cont'd

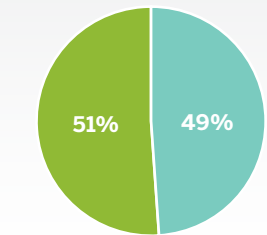
Wastewater Management

Domestic wastewater is generated from the use of restrooms, water fountains, cafeteria operations and air conditioning related to associate (employee) comfort. Industrial wastewater is generated primarily from painting, surface treatment and machining operations. Plants that generate industrial wastewater pre-treat the wastewater on site to reduce the contaminants to below regulated levels before the water is discharged into local municipal wastewater treatment plants. The pretreated wastewater must meet regulatory requirements established at municipal, state and federal levels.

Less than one percent of wastewater is trucked off-site for treatment. Manufacturing plants also discharge wastewater directly to local waterways under National Pollutant Discharge Elimination System (NPDES) permits. These permits allow the discharge of storm water associated with industrial activities, water plant lime sedimentation basin discharge, cooling tower blow down and air conditioning condensate discharge. The NPDES permits set contaminant limits and mandate periodic sampling and reporting.

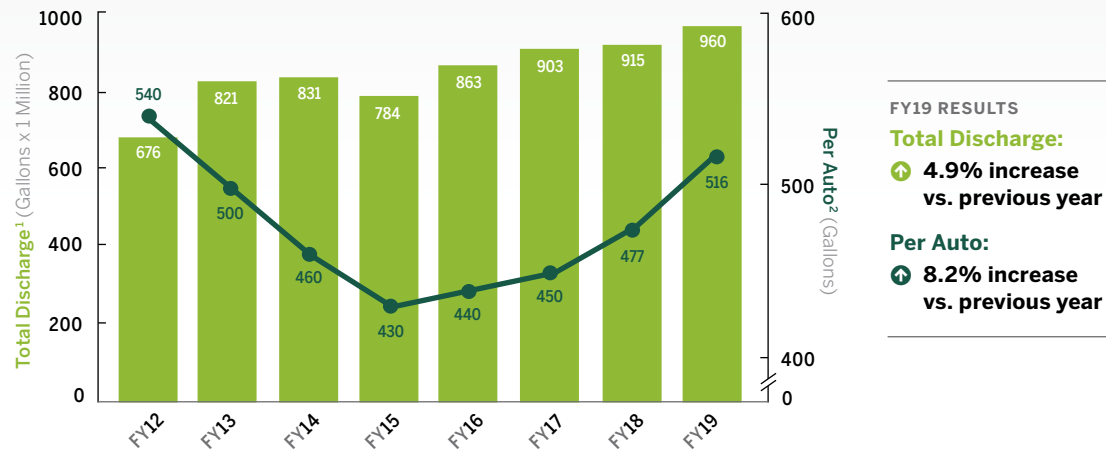
Wastewater Discharge and Disposal

WASTEWATER DISCHARGED FROM
N.A. MANUFACTURING FACILITIES



- 49% Domestic Wastewater
- 51% Industrial Wastewater
- 0% Trucked Off-Site

INDUSTRIAL WASTEWATER DISCHARGED
FROM NORTH AMERICAN MANUFACTURING FACILITIES



¹ Total wastewater includes all wastewater discharged from all included NA manufacturing operations.

² Total wastewater per auto includes all wastewater from all included auto-related manufacturing operations, including automobile engines and transmissions.

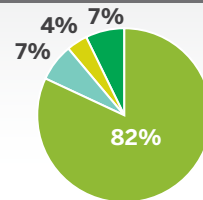
Air Emissions

Honda plants release various “criteria” air contaminants, including volatile organic compounds (VOCs), particulate matter (PM), oxides of nitrogen (NOx), oxides of sulfur (SOx) and carbon monoxide (CO). VOC emissions typically come from painting operations. PM emissions usually result from metal casting and finishing processes and from painting operations. NOx and CO emissions typically result from the combustion of natural gas and other fuels for heating and process needs, and from the use of engine and full-vehicle testing dynamometers. Air emissions are permitted and controlled in accordance with applicable laws and regulations. Each plant routinely monitors, tracks and reports emissions levels to regulatory agencies in accordance with U.S. federal and state and Canadian provincial government requirements. Honda factories are routinely inspected for compliance with legal requirements.

Air Emissions

In calendar year 2019, Honda’s North American manufacturing plants released approximately 4298 metric tons of criteria air pollutants. Overall, 82 percent of the air contaminants released were VOCs.

MAKEUP OF AIR EMISSIONS FOR N.A. MANUFACTURING FACILITIES



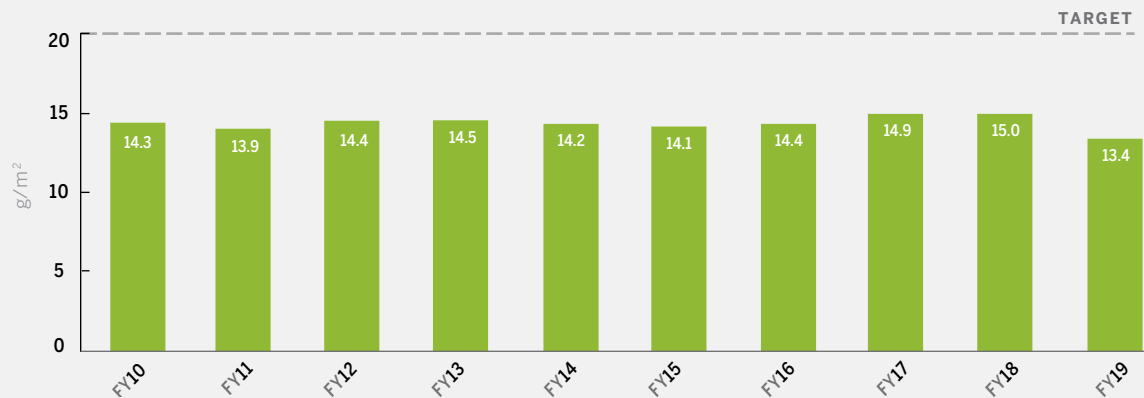
- 82% Volatile Organic Compounds (VOCs)
- 7% Nitrogen Oxide
- 4% Carbon Monoxide
- 7% Sulfur Oxides

VOC Emissions from Auto Body Painting

VOC Emissions from automotive body painting operations are the primary source of volatile organic compound (VOC) emissions released from Honda’s North American manufacturing plants. It has always been Honda’s policy to minimize the release of VOCs by adopting less polluting painting processes whenever possible.

FY2019 Results: VOC emissions from auto-body painting operations fell 10.8 percent largely due to the implementation of new painting technology on Line 1 (of 2) at the Marysville, Ohio, auto plant. Totals remain well below the company’s targeted maximum of 20 g/m².

VOC EMISSIONS FROM AUTO BODY PAINTING IN NORTH AMERICA

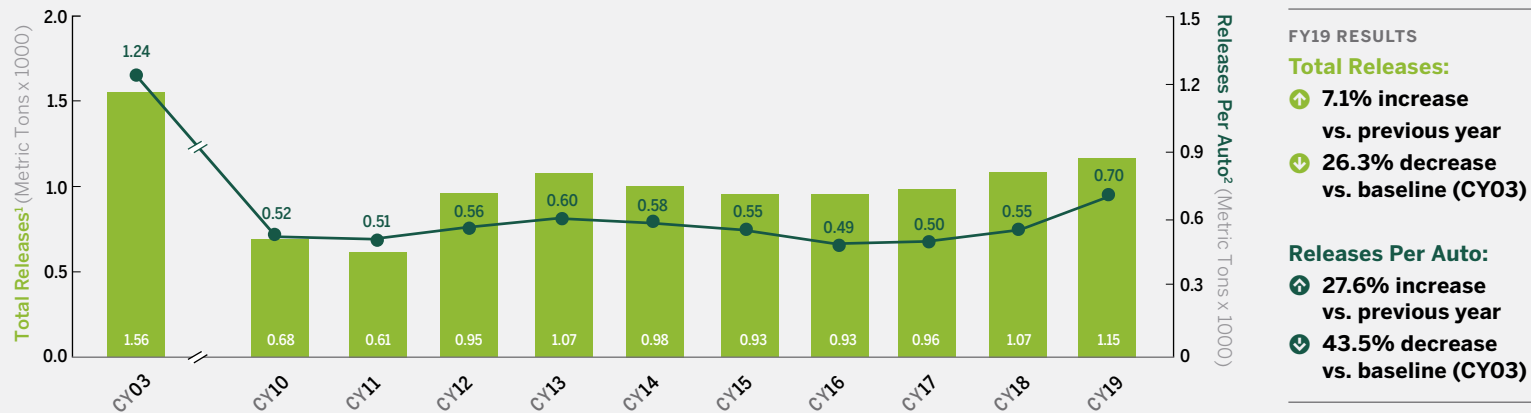


FY18 RESULTS

↓ 10.8% decrease vs. previous year

Chemical Releases

TOTAL AND PER-AUTO TRI/NPRI RELEASES
FROM PLANTS IN THE U.S. AND CANADA



¹ Total TRI/NPRI includes reported emissions from all included US and Canada manufacturing operations.

² Total TRI/NPRI per auto includes all TRI/NPRI reported emissions from all US and Canada auto-related manufacturing operations, including automobile engines and transmissions.

Honda has reduced its total Toxic Release Inventory (TRI) and National Pollutant Release Inventory (NPRI) emissions by 26.3 percent since calendar year 2003, despite significant expansions in production capacity. Automobile-specific TRI/NPRI emissions per unit of production were reduced about 43.5 percent in the United States and Canada in the same period.

Reducing Chemical Release — TRI/NPRI Reporting

Honda operations in the United States and Canada report total chemical releases annually in accordance with regulatory requirements. In the United States, TRI data are submitted to both state and federal environmental protection agencies. They are available for public review at www.epa.gov/toxics-release-inventory-tri-program. In Canada, NPRI data are submitted to Environment Canada and to the Ontario Ministry of the Environment, and are available for public review at www.ec.gc.ca/inrp-npri.

Accidental Spill and Release Prevention, Tracking and Reporting

Prevention of environmental spills and releases is a key design consideration for all Honda manufacturing facilities. Exterior chemical and wastewater storage tanks and transfer systems are constructed with materials and designs that help minimize the risks of leaks and spills. Most exterior tanks and piping systems have backup containment capabilities to help recover any leaked or spilled material. Additionally, storage tanks are equipped with alarms to give advance warning of overfilling. Virtually all materials with the potential for release are handled within enclosed buildings. Learning from accidental releases is critical to preventing future occurrences. Therefore, Honda tracks all significant incidents. Major incidents undergo root-cause analysis, and Honda uses the information to improve operations.



Distribution of Honda Products

Through shifts to more efficient modes of transport and other initiatives, Honda is working to reduce CO₂ emissions from the shipment of its products from Honda plants to Honda and Acura dealers in North America.

Modal Shifts

Honda and Acura automobiles that are produced in North America are moved from the company's plants by train to railheads, where they are transferred, primarily by truck, to Honda and Acura dealers. Rail shipments offer significantly more energy efficiency and reduced CO₂ emissions compared to truck transport.

FY2019 Results: In FY2019, 97.8 percent of load miles were completed by train.

CO₂ Emissions from the Transportation of Service Parts in North America

Honda also endeavors to reduce CO₂ emissions associated with the distribution of service parts from its supplier factories to its warehouses and, ultimately, to dealerships. These efforts include the use of more fuel-efficient trucks, the shift from truck to rail for cargo shipment, more efficient packing of tractor trailers and the reengineering of drive routes for improved efficiency. As a result, Honda has reduced the CO₂ emissions intensity of North American service parts shipments by 47.5 percent from FY2009 levels.

FY2019 Results: Total CO₂ emissions were up 2.9 percent from the previous year, while per-unit emissions rose 0.7 percent. Compared to the FY2009 baseline, total emissions have been reduced 1.0 percent while per-unit emission are down 6.6 percent.

CO₂ EMISSIONS OF AUTOMOBILE SHIPMENTS IN NORTH AMERICA

FY19 RESULTS

Total Emissions:

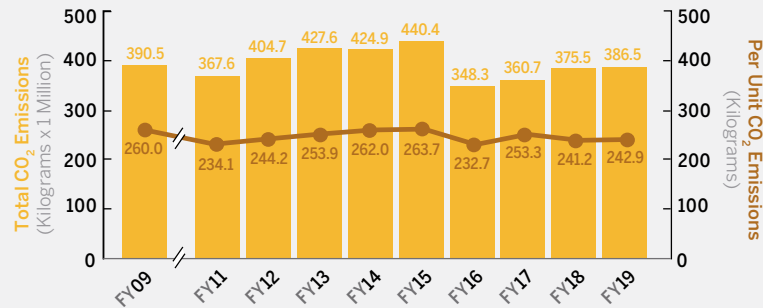
⬆️ 2.9% increase vs. previous year

⬇️ 1.0% decrease vs. baseline (FY09)

Per Unit Emissions:

⬆️ 0.7% increase vs. previous year

⬇️ 6.6% decrease vs. baseline (FY09)

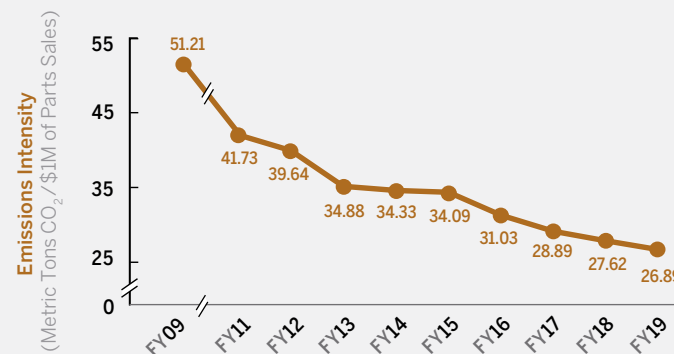


CO₂ EMISSIONS INTENSITY OF NORTH AMERICA SERVICE PARTS SHIPMENTS

FY19 RESULTS

⬇️ 2.6% decrease vs. previous year

⬇️ 47.5% decrease vs baseline (FY09)





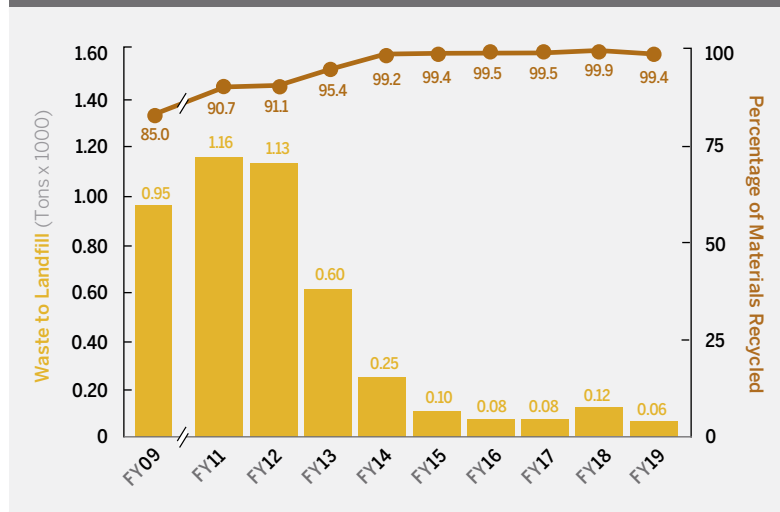
Zero Waste to Landfill Parts Distribution Centers

Honda operates nine parts distribution centers and three hub facilities in the United States. The company's goal is to achieve zero waste to landfill for all 12 of these facilities. Waste material sent to landfills from Honda's U.S. parts distribution facilities has been reduced 99.94 percent, from 950 tons in FY2009 to less than 7 tons in FY2019, with only 0.06 percent of total waste sent to landfills in FY2019.

FY19 RESULTS

↓ **90.5% decrease
vs. baseline (FY09)**

WASTE TO LANDFILL FROM U.S. PARTS CENTERS





Honda and Acura ‘Green Dealer’ Program



American Honda launched a ‘Green Dealer’ program in FY2012 to help independently owned and operated Honda and Acura automobile dealers in the U.S. reduce their environmental impact. In FY2014, the program

was extended to motorcycle and power equipment dealers.

The program, which has since been expanded into Latin America and the Caribbean, recognizes dealers who implement recommended sustainable practices with three award levels – Silver, Gold and Platinum.

The award criteria are based on a verified reduction in energy use and a rigorous point system that incorporates environmental improvement measures. Professional engineers evaluate dealerships’ environmental performance and recommend strategies for reducing their environmental impact.




At the end of FY2019, more than 800 U.S. Honda, Acura, Powersports and Power Equipment dealers were enrolled in the in the program with more than 250 awards presented to these dealers. Improvement made at these dealerships resulted in a total annual reduction of over 28,400 tons of CO₂ and annual operating cost reduction of more than \$6.3 million.

Three have earned the distinction of being electric grid neutral. These dealers produce as much or more energy from renewable energy sources than they consume from their local electric utilities over a one-year measurement period.

As a result of these achievements, the Green Dealer Program received an Innovative Partnership Certificate at the 2019 Climate Leadership Awards for its exemplary leadership in reducing carbon pollution and addressing climate change.

The program offers three achievement levels:

Award Criteria¹

	 SILVER AWARD	 GOLD AWARD	 PLATINUM AWARD
Existing Facilities	40 points 10% energy use reduction	60 points 30% energy use reduction	80 points 50% energy use reduction
New Builds and Major Renovations	40 points	60 points	80 points
<i>Fast Track to Platinum — “Electric Grid Neutral”</i>			

¹ Full program details and energy reduction requirements subject to change as the program changes and grows. “Electric Grid Neutral” means that when averaged over one year, the dealership offsets its grid electric use with an equal amount of on-site renewable generation exported to the grid.

Honda and Acura dealers who received the Environmental Leadership Award implemented numerous environmental best practices such as:

- Replacing lighting with LEDs
- Installing motion sensors that turn lights off when not in use
- Replacing older air conditioning and heating systems with more energy-efficient equipment
- Setting thermostats at optimal temperatures
- Installing solar panels
- Adding rainwater collection systems, and planting native vegetation to reduce irrigation water use.



Honda and Acura Green Dealer Program cont'd



The solar roof at Mohawk Honda, Schenectady, NY is one of the methods used by the dealership to be electric grid neutral.

Sharing our dream with others

To establish Honda's leadership in dealership sustainability, the [Honda Green Dealer Guide](#) was created in 2012 and updated in 2017. This guide provides step-by-step guidance to implement systems and technologies that help dealers achieve their carbon and water reduction goals. To benefit society, the Honda Green Dealer Guide was released to the public as well, intended to help dealers across all brands and commercial buildings with similar energy needs. The guide will be updated as necessary to reflect new technology advancements.

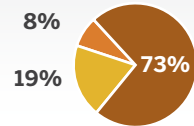


Automobiles

Fuel Efficiency

According to the latest government research, approximately three quarters of a typical vehicle's lifecycle GHG emissions occurs during in-use operation. As fuel efficiency continues to improve, the relative impact of manufacturing will decline.

SOURCES OF AUTOMOBILE LIFE CYCLE GHG EMISSIONS¹



- 73% Product In-Use
- 19% Upstream Fuel Production
- 8% Product Manufacturing

¹ Source: Argonne National Laboratory's GREET 2017 life-cycle emissions model. Results shown for a model year 2018 conventional gasoline vehicle.

Understanding MPGs and GHGs

While most consumers think about fuel economy as the pair of numbers on a new vehicle window label, in truth there are multiple sets of related data used by government agencies and the auto industry to quantify environmental performance. Because they have similar names, differentiating them can sometimes be difficult. Below is a summary of what they are, and how they differ from each other.

Corporate Average Fuel Economy (CAFE) (miles per gallon): Federal law requires that the fuel economy of each model be evaluated in a laboratory by running vehicles on a treadmill-like "dynamometer" using specific government test procedures. These tests, designed in the mid-1970s to mimic "typical" driving, are written into law. Yet because vehicles and the driving environment have both changed substantially over the past four decades, the resulting "CAFE MPG" value is higher than what consumers typically achieve on today's roads. CAFE MPG values

are used by government agencies regularly, but are generally not used or seen by consumers.

Adjusted (or "Window Label") Fuel Economy Ratings (miles per gallon): Recognizing that CAFE MPG values do not accurately reflect real-world fuel economy, the government over the years developed a series of adjustment factors to bring CAFE results more in line with consumers' on-road experience. Recently, EPA added additional test procedures (known as the "five-cycle test") to further improve the accuracy of window label fuel-economy ratings.

GHG Emissions (grams per mile):

In 2012, the government began regulating vehicle greenhouse gas emissions. Because burned fuel emits CO₂ (approximately 19.6 pounds per gallon of gasoline), there is a close relationship between fuel consumption and greenhouse gas emissions. However, other opportunities — such as improving A/C systems to reduce refrigerant leakage — can improve a vehicle's GHG performance independent of fuel economy. Like CAFE values, GHG emissions levels reflect the vehicle's performance using a predetermined laboratory test

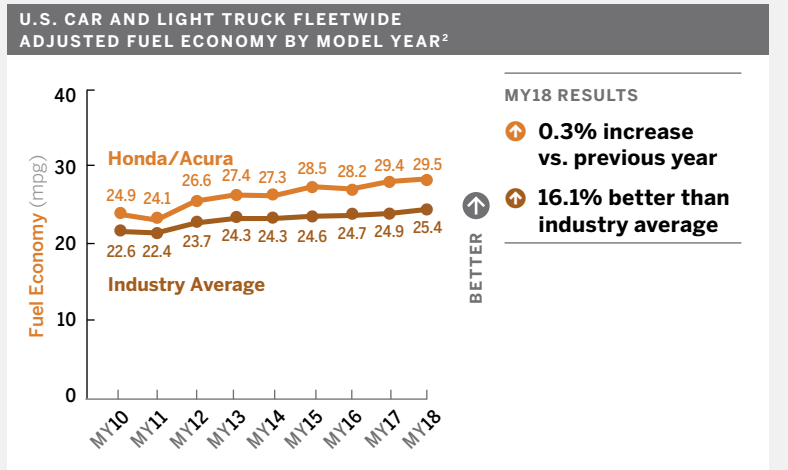
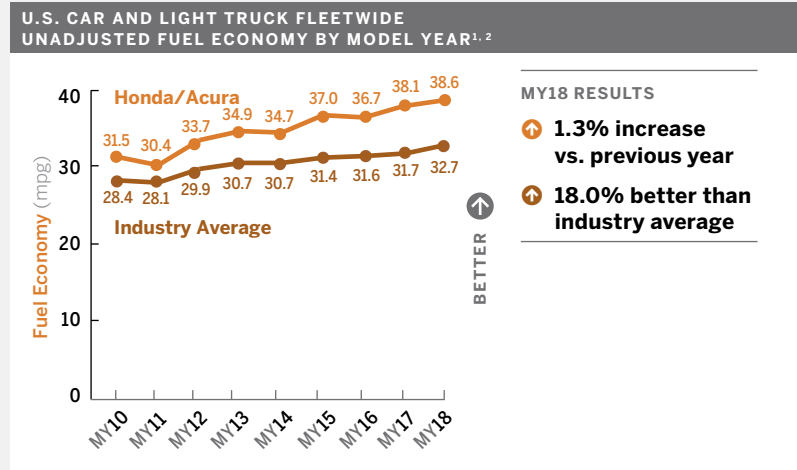
procedure and are thus used for complying with regulations. While these values are regularly assessed by the industry and government agencies, they do not reflect the real-world emissions performance of the vehicle.

A VEHICLE THAT ACHIEVES 175 G/MI ² WOULD HAVE A FUEL ECONOMY OF:	MPG	
	CAFE FUEL ECONOMY	WINDOW LABEL FUEL ECONOMY RATING
Without A/C-based and off-cycle GHG improvements	50.8	approx. 39
With A/C-based and off-cycle GHG improvements	approx. 47	approx. 36

² Vehicle GHG standards set by the federal government are expected to result in a 2025 fleet average of 175 g/mi CO₂ equivalent. Numbers shown here are EPA estimates as indicated in Table 10.3 of the joint-agency Draft Technical Assessment Report, published July 2016.

Automobiles cont'd

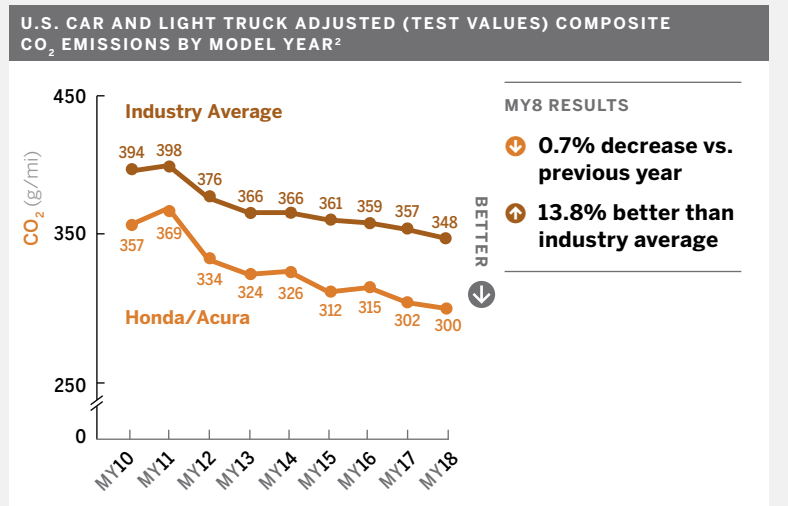
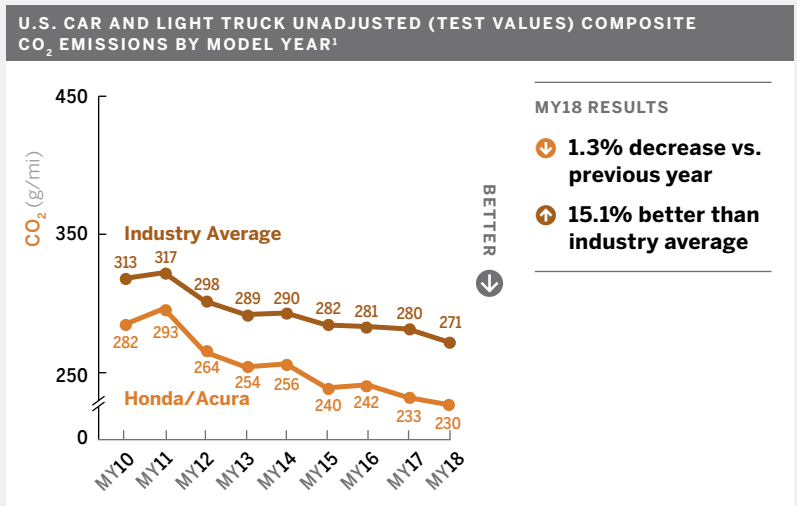
Corporate Average Fuel Economy (CAFE) and EPA "Window Label" Fuel Economy



¹ The U.S. Environmental Protection Agency (EPA) calculates "fuel economy" by the amount of miles traveled per gallon of gasoline for cars and light trucks, and calculates a sales-weighted Corporate Average Fuel Economy (CAFE) number for both passenger cars and light trucks. The combined values shown here are for comparison purposes only.

² Source: U.S. Environmental Protection Agency: Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2018, published May 2019. Unadjusted numbers provided upon request by EPA staff. MY18 results are preliminary and subject to change.

Fleetwide CO₂ Emissions of U.S. Automobiles



¹ Source: U.S. Environmental Protection Agency: Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2018, published May 2019.

² Source: U.S. Environmental Protection Agency: Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 through 2018, published May 2019. MY18 results are preliminary and subject to change.

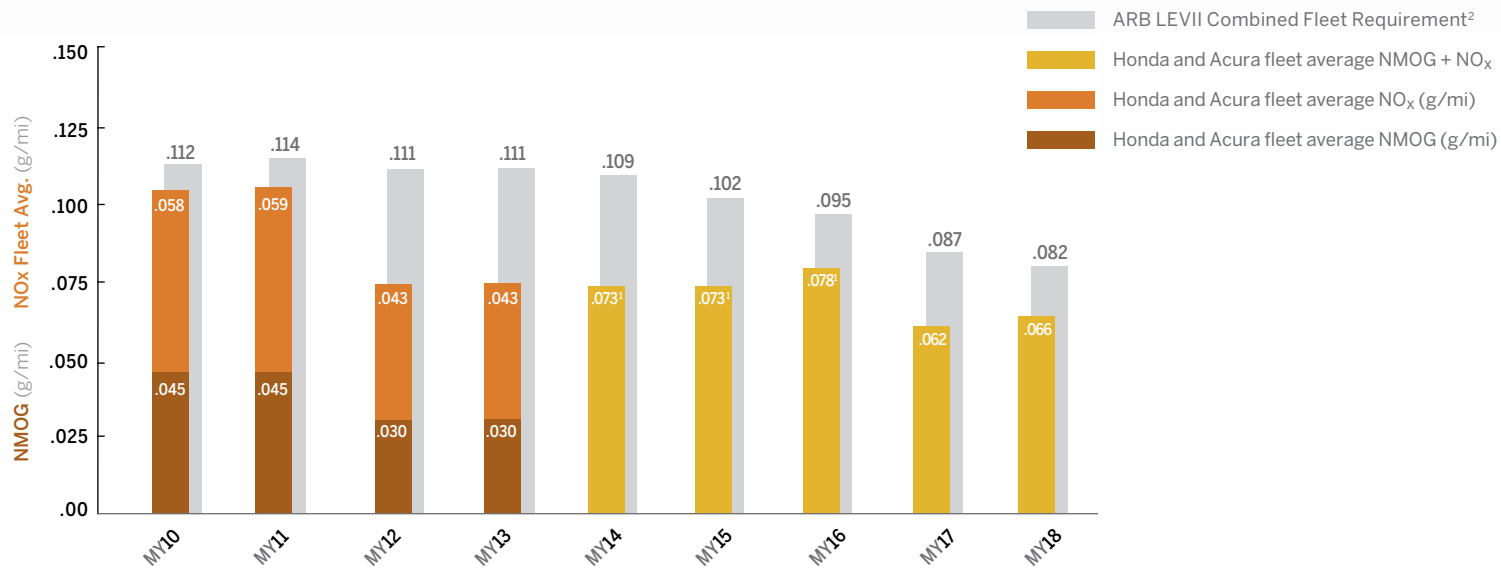


Automobiles cont'd

Tailpipe Emissions

Non-methane organic gases (NMOG) tailpipe emissions are a pre-cursor to smog. The California Air Resources Board (CARB) regulates NMOG under the Low-Emissions Vehicle (1996 and later) and Low-Emissions Vehicle II (2004 and later) emissions standards. Honda has been very aggressive in reducing its fleet emissions below the LEV and LEV II standards.

FLEETWIDE NMOG + NO_x EMISSIONS VS ARB FLEET REQUIREMENT (CALIFORNIA)¹



¹ Source: NMOG reports submitted to the California Air Resources Board by Honda, and NO_x reports to U.S. EPA.

² Standards are now based on combined NMOG + Nox. Prior to MY2014, only NMOG standard was applicable. Estimated NMOG + NO_x levels are shown here for comparison purposes only.



Powersports Products

Fuel Efficiency

Relative to model year 2000, Honda has achieved a 77.0 percent improvement in the fleet-average fuel economy of on-road motorcycles sold in North America, primarily through the expanded use of programmable electronic fuel injection (PGM-FI) and changes in its model mix to smaller, more fuel-efficient products.

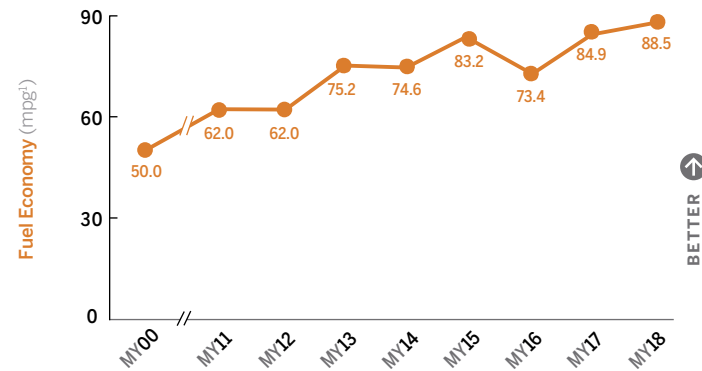
2019 Honda Metropolitan



U.S. MOTORCYCLE FLEET AVERAGE FUEL ECONOMY BY MODEL YEAR

MY18 RESULTS

- ↑ **4.2% increase vs previous year**
- ↑ **77.0% improvement vs baseline (MY2000)**

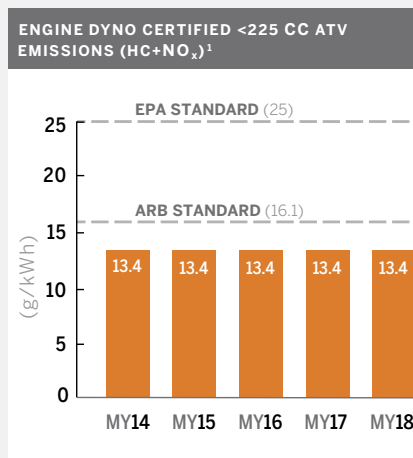
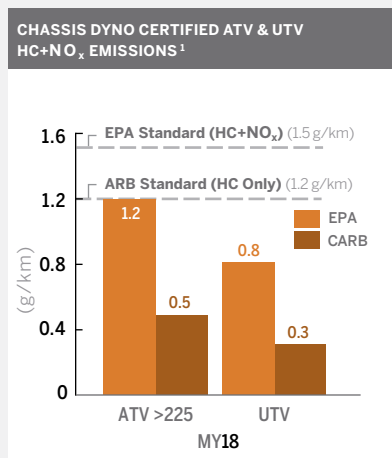
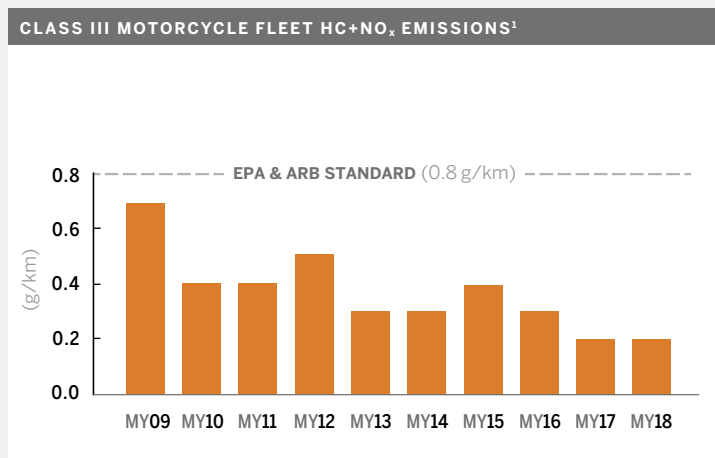
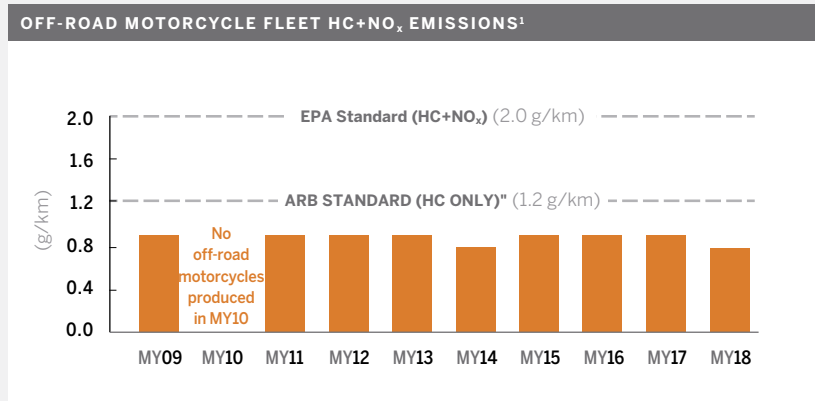
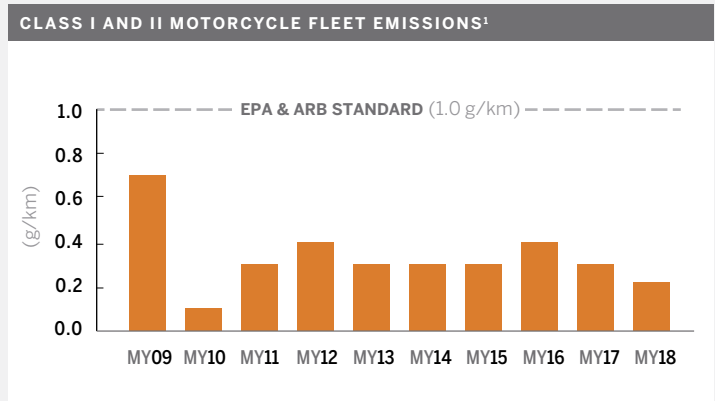


¹ Honda calculation using U.S. EPA exhaust emissions data. FY00-09 data are based on actual sales, while 2010 and later are based on production volumes. Some MY production is sold in later years (ex: a 2009 MY motorcycle that is sold new in 2011) and was omitted by the earlier method.

Powersports Products cont'd

Tailpipe Emissions for Motorcycles, All-Terrain Vehicles (ATVs) and Utility Vehicles (UTVs)

In model year 2018, Honda substantially outperformed both U.S. EPA and California Air Resources Board (ARB) requirements for hydrocarbon (HC), nitrogen oxides (NO_x) and carbon monoxide (CO) exhaust emissions. In model year 2018, Honda also outperformed both EPA and CARB requirements for evaporative emissions and fuel permeation.



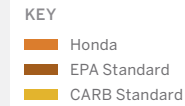
¹ Source: Honda internal test data.



Power Equipment Products

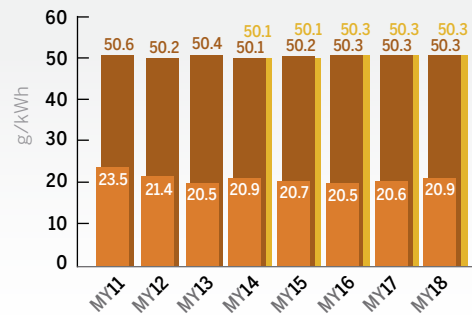
Criteria Air Pollutants for Honda Engines Sold in the U.S.

Honda achieves HC+NO_x emissions substantially below U.S. EPA standards for 0-80cc engines due to its use of advanced, 4-stroke engine technology with multi-position carburetors. Honda's 81-225cc engines meet the stringent standard implemented in 2012 and, given year-to-year variability, maintain compliance through the use of credits. The last segment of Honda engines, 226-1000cc, is slightly below the more stringent 8 grams/kWh standard (implemented in 2010). With respect to carbon monoxide (CO) emissions, Honda power equipment products are significantly below EPA and CARB standards for all engine categories.

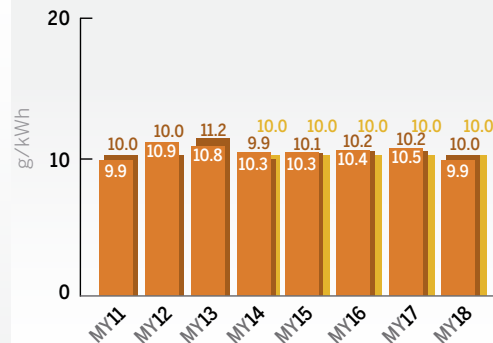


FLEET AVERAGE: HC+NO_x EMISSIONS

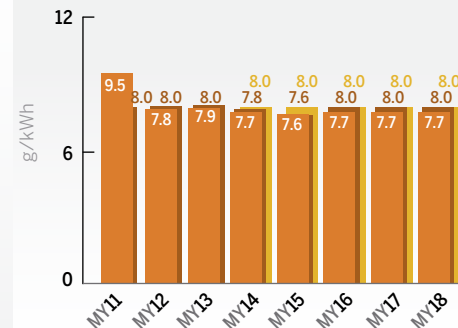
0-80cc



81-225cc

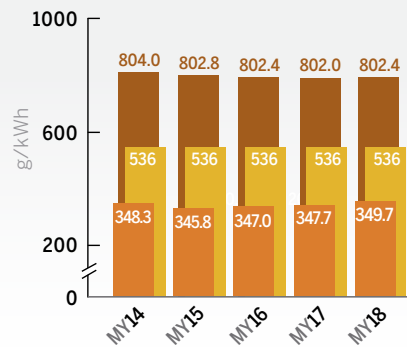


226-1000cc

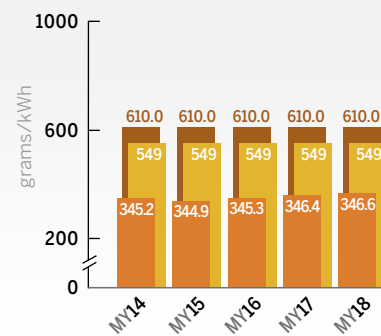


FLEET AVERAGE: CO EMISSIONS

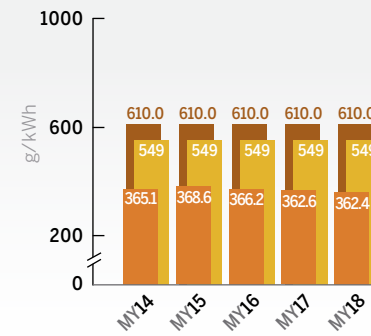
0-80cc



81-225cc



226-1000cc

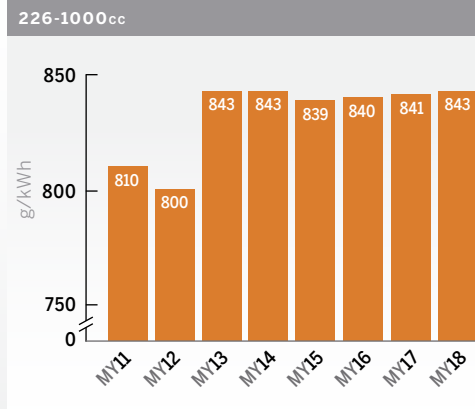
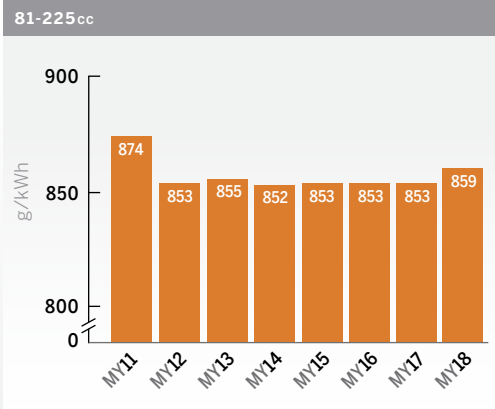
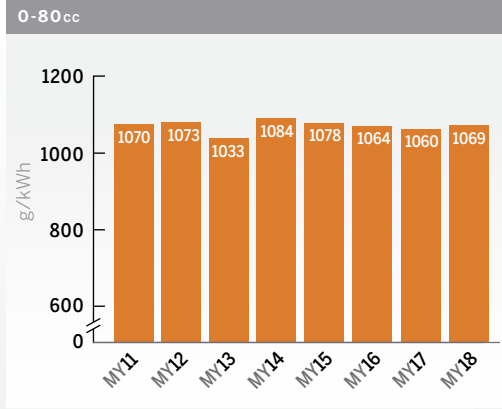




Power Equipment Products cont'd

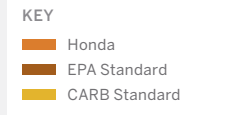
CO₂ Emissions for Honda Engines Sold in the U.S.

FLEET AVERAGE: CO₂ EMISSIONS

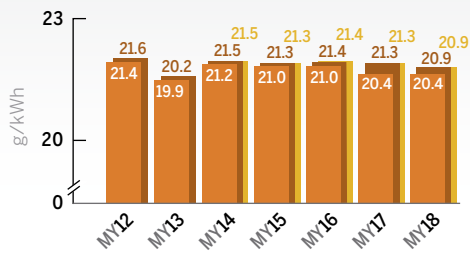


Criteria Air Pollutants for Marine Engines Sold in the U.S.

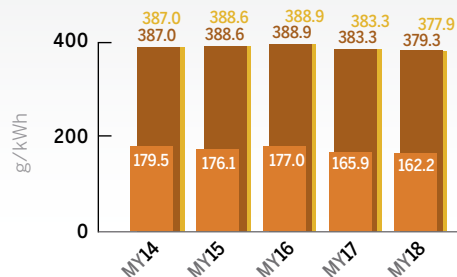
Honda achieves emissions below U.S. EPA standards for Marine Outboards due in part to the exclusive use of advanced, 4-stroke engine technology.



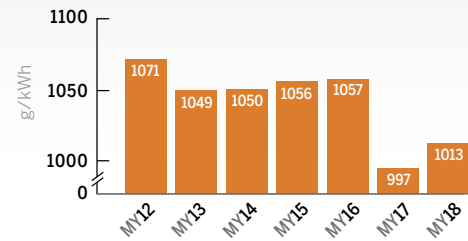
FLEET AVERAGE: HC+NO_x EMISSIONS (MARINE)



FLEET AVERAGE: CO EMISSIONS (MARINE)



FLEET AVERAGE: CO₂ EMISSIONS (MARINE)



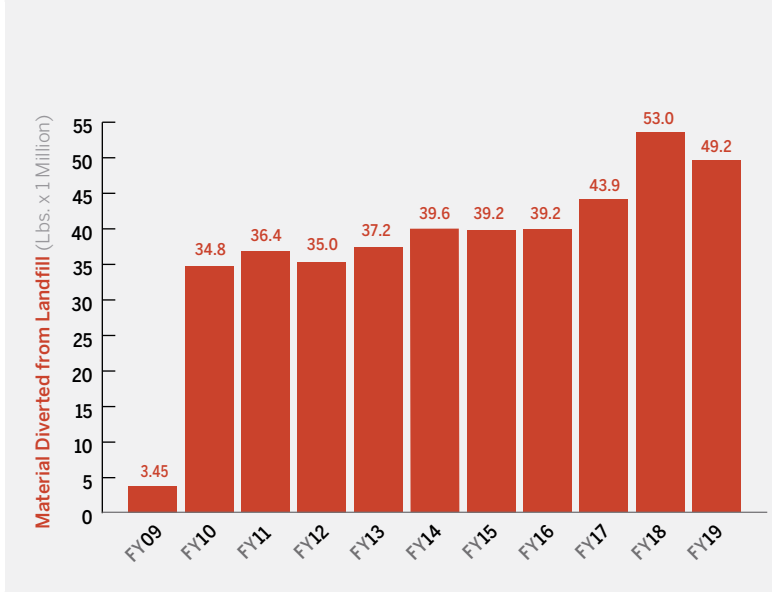


Recycling of Warranty and Overstock Service Parts and Electronic Waste (E-Waste)

Honda's program for recycling overstock service parts utilizes the same procedures that are in place for regulated materials, such as universal or hazardous waste. Codes are assigned and used, filtering criteria to create lists that identify which parts will be destroyed and in what manner. Items that require special handling are segregated and delivered to qualified regulated materials recycling vendors. A similar process is utilized for recycling parts replaced under warranty. Parts that do not require further failure analysis are directed back to Honda and are then placed in their respective scrap collections. Due to transportation concerns, no regulated parts are returned by dealerships to Honda. American Honda's Service Parts Division maintains rigorous procedures for the disposal of electronic waste (e-waste). Service parts are evaluated at the time of procurement to determine whether they qualify as e-waste, as OSHA hazards or as "transportation dangerous" material regulated by the U.S. Department of Transportation. Nearly five percent of service parts have been coded for this special handling.

FY2019 Result: 49.2 million pounds of recyclable material from electronic waste, warranty parts and overstock service parts were diverted from landfills.

MATERIAL FROM E-WASTE, WARRANTY PARTS AND OVERSTOCK PARTS
DIVERTED FROM LANDFILLS (LBS. x 1 MILLION)



Honda Investments in Renewable Energy

Honda is targeting a 50 percent reduction in its total company CO₂ emissions on a global basis by 2050, compared to the year 2000. To help reach this goal and advance the company toward its vision of a carbon-free society, Honda is implementing renewable energy projects throughout its operations.

Solar Power

In June of 2018, Honda implemented a solar energy system on the campus of its U.S. sales headquarters in Torrance, Calif. The solar array is one of the largest on a commercial building in Southern California, and at 2.0 megawatts (MW) direct current, is one of Honda's largest on-site renewable energy installations anywhere in the world. A time-lapse video of the solar rooftop installation is available [here](#).

The solar array features more than 6,000 panels and is expected to generate approximately 3,000 megawatt hours (MWh) annually. It will offset roughly 30 percent of the purchased electricity for the entire American Honda Torrance campus. Solar energy also provides 100 percent of the electric vehicle charging energy in the associate parking lot of the facility. A Honda-developed, cloud-based energy management system can control electric vehicle charging to match solar generation at the 60 EV charging stations to maximize the amount of solar energy used to charge vehicles.

The solar array on Honda's Torrance, Calif., campus is connected in parallel to three large lithium-ion batteries that improve the integration of renewable energy with the electric grid, smoothing out the abrupt changes in power generation that occur, for example, when conditions are cloudy. The energy storage system — consisting of one 500 kilowatt (kW) / 1,000 kilowatt hour (kWh) and two 100kW / 200kWh batteries — also smooths out the campus' power usage and reduces demand charges.

Honda also installed a large solar array at its parts distribution center in French Camp, California. The 832kW (DC) Solar PV System is paired with a 265kW/1050kWh battery and is producing nearly 75 percent of the 384,000 sq.-ft. facility's electricity needs. The distribution center has also earned Energy Star certification from the Environmental Protection Agency on multiple occasions, which recognizes facilities that perform in the top 25 percent in their class in terms of energy management.



Honda installed one of Southern California's largest corporate owned on-site solar arrays.



Honda Investments in Renewable Energy

Wind Power

Honda Transmission of America Mfg. in Russells Point, Ohio, has been generating electricity on site via the use of two 1.7MW wind turbines since 2015, producing more than 10 percent of the annual power used by the plant, which manufactures more than 1,000,000 transmissions and hybrid power units for Honda products each year.

With 160-foot blades mounted atop 260-foot towers, the GE owned and operated machines have generated, on average, approximately 8,440 MWh of electricity annually during their four years of operation, translating to nearly 11% of the electric needs of the plant.



Honda Transmission Mfg. of America in Russells Point, Ohio

kWh of energy produced by HTM Wind turbines (in MWh)	
FY16	9,713
FY17	7,781
FY18	8,296
FY19	7,971



Wind turbines at Honda Transmission Mfg. of America

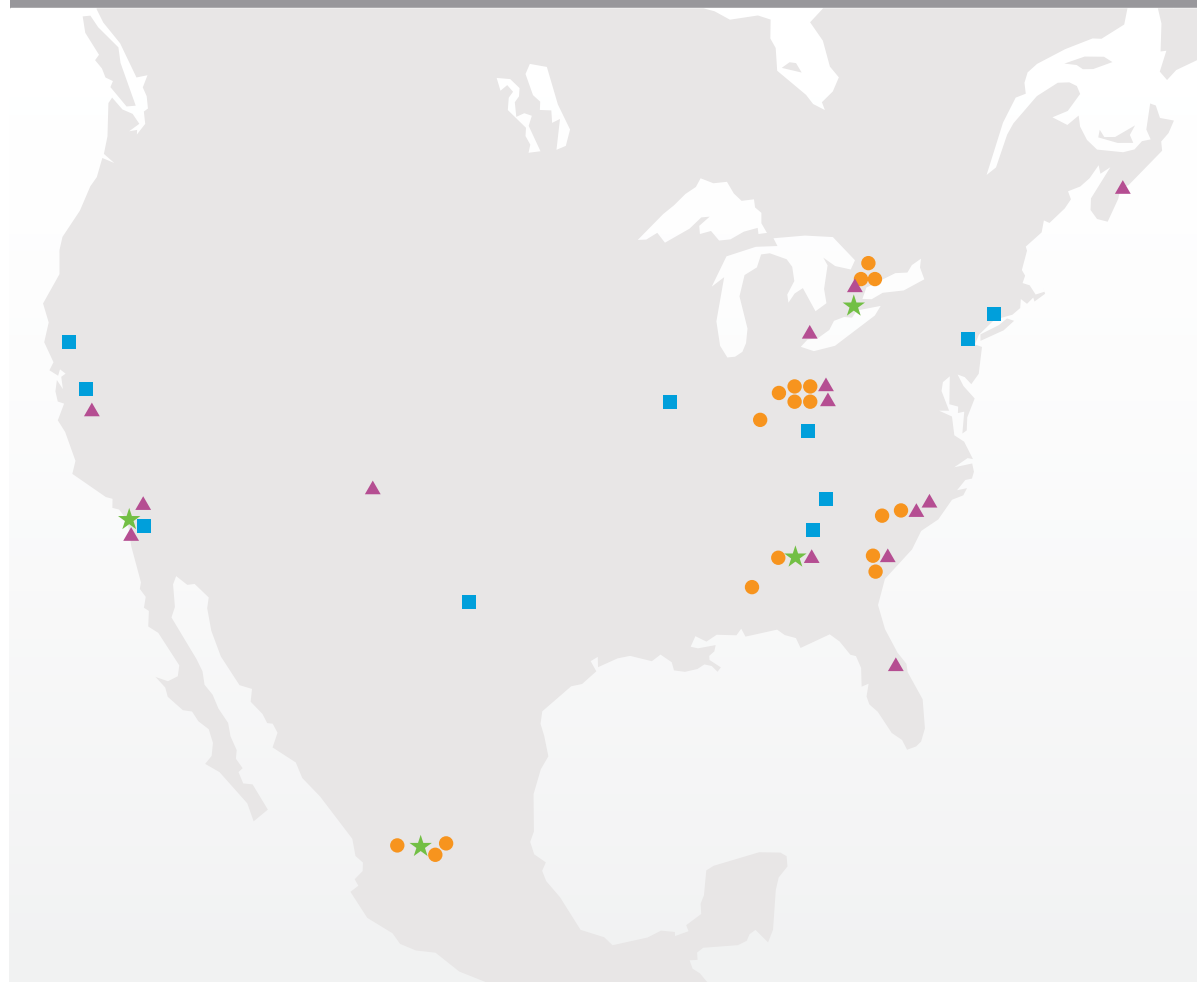
North American Corporate Profile

Honda develops, manufactures, sells and services a diverse range of automobile, power equipment and powersports products in North America using domestic and globally sourced parts. This is Honda's single largest market for the production and sales of Honda and Acura automobiles. As such, Honda's North American region plays a critical role in the company's global effort to reduce its environmental impact, particularly in automobile production and in-use CO₂ emissions.

45

2019 NORTH AMERICAN
ENVIRONMENTAL REPORT

Key North American Locations



Capital Investment

More than \$25 billion

Employment

Approximately
40,000 associates



Parts Purchases

More than \$32 billion
in parts and materials
purchased annually
from more than 736
North American
original equipment
suppliers

MAP LEGEND

- Major Manufacturing Facilities
- ▲ Research and Development Centers
- Parts Centers
- ★ Sales and Marketing Headquarters

Additional Information

	United States	Canada	Mexico
Additional information about Honda and Acura products can be found at:	 www.honda.com	 www.honda.ca	 www.honda.mx
Honda companies covered in this report:	<ul style="list-style-type: none"> American Honda Motor Co., Inc. American Honda Finance Corp. Honda North America, Inc. Honda of America Mfg., Inc. Honda Manufacturing of Alabama, LLC Honda Power Equipment Mfg., Inc. Honda of South Carolina Mfg., Inc. Honda Transmission Mfg. of America, Inc. Honda Manufacturing of Indiana, LLC Honda Engineering North America, Inc. Honda R&D Americas, Inc. Honda Trading America Corp. Honda Precision Parts of Georgia, LLC Honda Aircraft Company, Inc. Honda Aero, Inc. 	<ul style="list-style-type: none"> Honda Canada, Inc. Honda of Canada Mfg., a division of Honda Canada, Inc. Honda R&D Americas, Inc. (Canada) Honda Canada Finance, Inc. Honda Trading Canada, Inc. 	<ul style="list-style-type: none"> Honda de Mexico, S.A. de C.V.

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