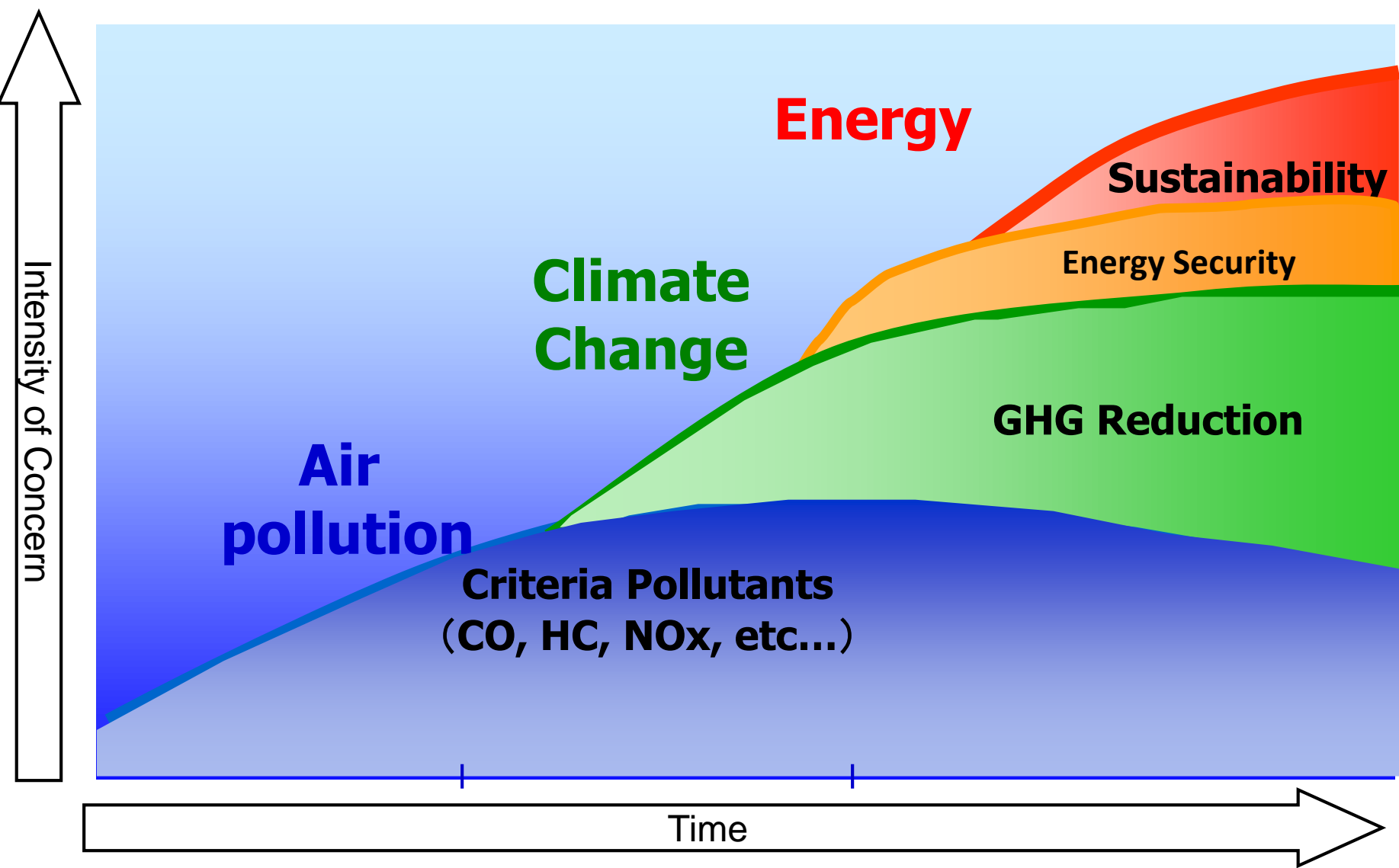




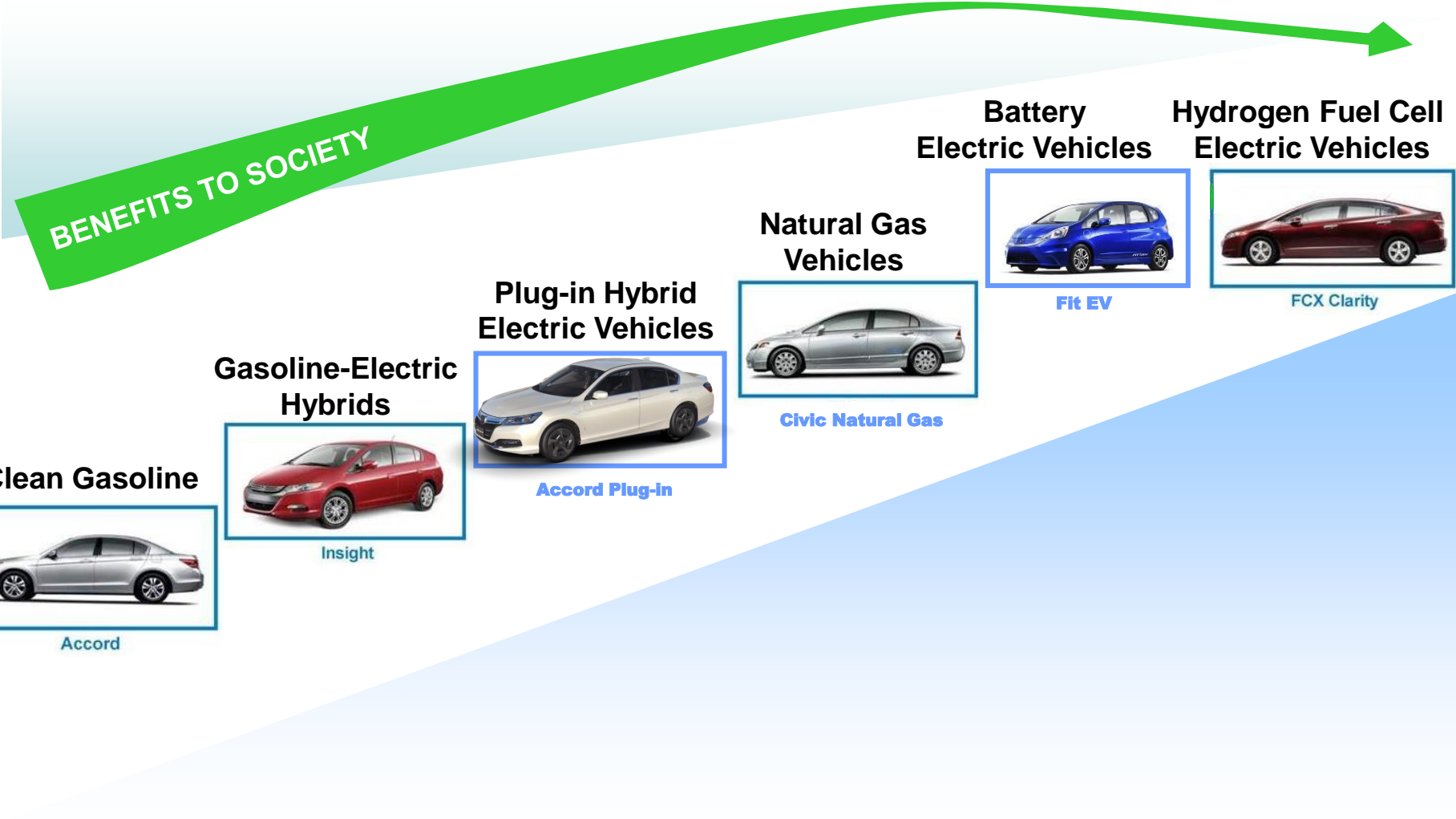
# Honda's 2020 Vision

**Stephen Ellis**  
**Manager, Alternative Fuel Vehicle Sales**

# Transition of Environmental Issues



# Honda's Portfolio of Alternative Fuel Vehicles



# Gasoline-Electric Hybrids

## ***INSIGHT***



- Most affordable hybrid sold in the U.S.
- 5 passengers / 5 doors
- 1.3L i-VTEC gasoline engine with 10kw electric motor
- Ecological Drive Assist System (Eco Assist™)
- Continuously Variable Transmission (CVT)
- 41 / 44 / 42 City/Highway/Combined m.p.g.
- Front, Front-side, and side-curtain airbags
- Vehicle Stability Assist (VSA®) with traction control
- Remote entry
- Automatic climate control
- Tilt-and-telescope steering column
- Power windows
- AM/FM/CD audio system
- 60/40 split fold-down rear seats
- Advanced Technology Partial Zero Emissions Vehicle (AT-PZEV)
- Available Honda Satellite-Linked Navigation System™ with voice recognition, FM traffic and rearview camera

# Gasoline-Electric Hybrids

## CIVIC



- The only factory-produced natural gas-powered vehicle from a major automaker
- 5 passengers
- 1.5L i-VTEC 4-cylinder gasoline engine with 17kw electric motor
- High-power Lithium-Ion battery
- Ecological Drive Assist System (Eco Assist™)
- 44 / 47 / 45 City/Highway/Combined m.p.g.
- Advanced Compatibility Engineering™ (ACE™) II body structure
- Front, Front-side, and side-curtain airbags
- 7" Display Audio (DA)
- Forward Collision Warning (FCW)
- Lane Departure Warning (LDW)
- Honda LaneWatch®
- Rearview Camera with guidelines
- Bluetooth HandsFreeLink®
- USB Audio interface
- Vehicle Stability Assist (VSA®) with Traction Control
- Anti-lock braking system (ABS)
- Automatic climate control
- Tilt-and-telescope steering column
- Advanced Technology Partial Zero Emissions Vehicle (AT-PZEV)

# Gasoline-Electric Hybrids

## Accord



- Available now
- 5 passengers
- 2.0L i-VTEC 4-cylinder gasoline engine with 124kw electric motor
- High-power Lithium-Ion battery
- 8-inch Intelligent Multi-information Display (i-MID)
- Ecological Drive Assist System (Eco Assist™)
- 50 / 45 / 47 City/Highway/Combined m.p.g.
- Electronic Continuously Variable Transmission (E-CVT)
- Rearview Camera with dynamic guidelines
- Honda LaneWatch
- Vehicle Stability Assist (VSA®) with traction control
- Anti-lock braking system (ABS)
- Bluetooth HandsFreeLink®
- Smart entry
- Dual Zone Automatic climate control
- Tilt-and-telescope steering column
- LEV-SULEV30 Super Ultra Low Emission Vehicle

# Natural Gas Vehicle

## CIVIC



- Available now in 37 states
- Manufactured at Honda Manufacturing of Indiana
- 5 passengers
- 1.8L i-VTEC 4-cylinder compressed natural gas engine
- Ecological Drive Assist System (Eco Assist™)
- 27 / 38 / 31 City/Highway/Combined m.p.g.
- Advanced Compatibility Engineering™ (ACE™) II body structure
- 7-inch Display Audio (DA)
- Honda LaneWatch®
- Rearview Camera
- Bluetooth HandsFreeLink®
- USB Audio interface
- Security system with remote entry and trunk release
- Vehicle Stability Assist (VSA®) with Traction Control
- Anti-lock braking system (ABS)
- Tilt-and-telescope steering column
- Available with satellite-linked navigation system with voice recognition and FM traffic
- Advanced Technology Partial Zero Emissions Vehicle (AT-PZEV)

# Fuel Cell Electric Vehicle

**FCX  
CLARITY**



- V Flow Fuel Cell Stack
- Power output 100kW
- Lithium-ion battery
- 134 hp rated electric motor providing 100kW power output
- 60 / 60 / 60 (City/Highway/Combined) miles-per-kilogram
- 4.1 kg @ 5000psi fuel tank
- Front, Front-side, and side-curtain airbags
- Vehicle Stability Assist (VSA®)
- Anti-lock braking system (ABS) with brake assist
- Honda satellite-linked navigation system with voice recognition and rearview camera
- Bluetooth® HandsFreeLink®
- Dual-Zone Automatic Climate Control
- Heated and Cooled front seats
- Remote entry
- Tilt-and-telescope steering column
- Power windows
- AM/FM/CD audio system with XM® radio
- ZEV Emissions Rating



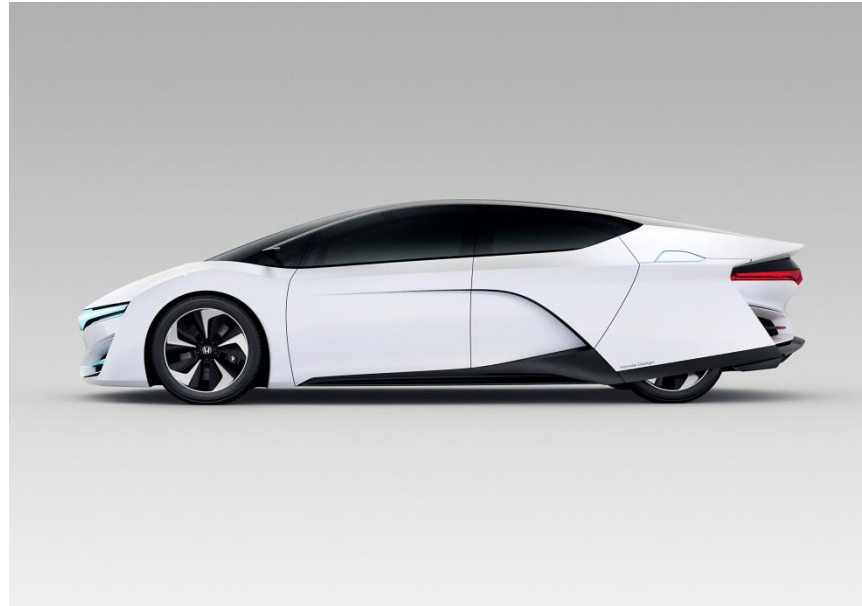
# Fuel Cell Electric Vehicle – FCEV Concept



- Introduced at 2013 Los Angeles Auto Show
- Expresses a potential styling direction for Honda's next-generation fuel-cell vehicle
- Next-generation fuel cell vehicle anticipated to launch in the U.S.

"The Honda FCEV Concept not only sets our direction for our next generation fuel-cell vehicle in 2015, but for future improvements in electric drive technology. The advancements we are making are substantial, meaningful and very real."

Mike Accavitti  
Sr. Vice President  
American Honda Motor Co



# Battery Electric Vehicle



- Same 5-passenger packaging as Fit hatchback
- 118 MPGe combined
- Estimated 82-mile driving range per charge (adjusted range city/highway)
- 92kw electric motor
- 20 kWh Lithium-ion battery
- 3-mode E-Drive system (Econ, Normal, Sport) to maximize efficiency or improve acceleration
- Battery fully recharged in less than 15 hours (120-volt outlet), in less than 3 hours (240-volt AC Level 2)
- Standard Honda satellite-linked navigation system with charging station locator capability
- HondaLink EV™ telematics (with available free smartphone app)
- Vehicle connectivity system via smartphone, personal computer or the Honda-exclusive interactive remote
- Heated seats
- Automatic climate control

# Plug-in Hybrid Electric Vehicle



- Next-generation two-motor Honda hybrid system
- 2.0L i-VTEC 4-cylinder gasoline engine with 6.7kWh lithium-ion battery and 124kWh motor
- 3 different driving modes to maximize efficiency: all-electric, gasoline-electric and engine direct drive
- Estimated combined gas-electric driving range rating 574 miles.
- Maximum all-electric range of 13 miles
- Vehicle Stability Assist™ (VSA®) with traction control
- Anti-lock brake system (ABS), Electronic Brake Distribution (EBD) and Brake Assist
- Forward Collision Warning (FCW)
- Lane Departure Warning (LDW)
- Bluetooth HandsFreeLink®
- Honda LaneWatch®
- Multi-Angle Rearview Camera
- Honda Satellite-Linked Navigation System
- Battery fully recharged in 3 hours (120 volt outlet), 1 hour (240 volt outlet)
- SULEV20 / TZEV Emissions Rating

# Honda Smart Home



- Opened March 25, 2014
- Located on the West Village campus of the University of California, Davis
- Super-efficient "living laboratory" seeks to address two major sources of U.S. CO2 emissions: cars and homes
- Project achieves more than 11 tons of CO2 reduction per year compared to a conventional home and vehicle
- Honda home energy management system (HEMS) maximizes the home's energy efficiency while communicating with the electric utility to improve grid stability
- Home surpasses California's 2020 target for zero net energy residential construction
- Member of University of California, Davis community will live in home, drive Honda Fit EV (electric vehicle)

# “Never Ending Race”



- Third film in award-winning Environmental Short Film Series explores Honda's voluntary efforts to reduce vehicle emissions over forty-year period
- Honda's successful demonstration of low-emissions vehicle technology led state of California to adopt new, more stringent emissions regulations
- New-vehicle emissions are 1/1000th of 1970 levels
- Next environmental "race" is against global climate change

# Learn more

[corporate.honda.com/environment/](http://corporate.honda.com/environment/)



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Environmental Leadership

## Environmental Leadership



### Committed to the Environment

Honda's legacy of innovation is unmatched in the automotive industry. As always, our attention is focused on the future. For example, select California drivers are now driving the [FCX Clarity](#) fuel cell electric vehicle. It's all part of Honda thinking in action.

#### Environmental Leadership

- Blue Skies
- Environmental Technology
- Environmental Vehicles
- Local Involvement
- Environmental Film Series
- Smart Home
- Environmental Reports
- Dealer Environmental Leadership Award
- Timeline
- Home Energy

#### Blue Skies



Finding solutions to environmental challenges.

#### Smart Home



Learn about the Honda Smart Home.



BLUE SKIES FOR  
OUR CHILDREN