

Project Profile



LaFontaine Automotive Campus Highland, MI



LEED Facts

LaFontaine Automotive Campus Highland, MI

LEED for New Construction
Certification awarded

Gold **45***

| | |
|------------------------------|-------|
| Sustainable Sites | 7/14 |
| Water Efficiency | 5/5 |
| Energy and Atmosphere | 10/17 |
| Materials and Resources | 7/13 |
| Indoor Environmental Quality | 11/15 |
| Innovation in Operations | 5/5 |

*Out of a possible 69 points



Project Profile

LaFontaine Automotive Group Highland, Michigan

Project Background

To the LaFontaine family, “going green” was the only way to go. They wanted to be a leader in GM’s green initiatives so they developed a facility that would not only bring people and business to the community, but would showcase environmentally sound practices. They started by looking at a geothermal system to heat and cool the campus, and found so many opportunities to make both small and big changes in design and construction that would ultimately have a tremendous impact.

Strategies and Results

With a 24-acre site and a 63,000 ft² building, LaFontaine was able to incorporate green building principles into nearly every aspect of the project and still be sensitive to nearby wildlife habitat.

Outside:

- 75% of construction and demolition debris was diverted from landfills
- A 64-well ground source heat pump system heats and cools the building
- The white roof absorbs heat and minimizes the “heat island” effect
- A roof storm water retention system provides water for indigenous plants in the landscaping
- Parking lot lighting was designed to use much less power than standard lights
- Permeable pavement reduces water run-off

Inside:

- Dozens of skylights fill the facility with natural light
- Low-flush toilets reduce the amount of the water used per flush
- All interior wood veneers are FSC Certified or plantation harvested hybrids
- All products used to clean the building are green
- The car wash recycles 85 percent of the water it uses
- Service department bays use vegetable oil vs. caustic fluid in the hydraulic lifts
- The body shop uses a waterborne basecoat paint with zero volatile organic compound (VOC) emissions
- An interactive wall display explains LEED and the building’s certification

About Newman Consulting Group

Newman Consulting Group, LLC (NCG), headquartered in Farmington Hills, MI, is a globally recognized authority in energy efficient buildings. The NCG reputation rests on a team of highly skilled engineers, analysts, program managers and professionals certified in efficiency implementation and verification to guarantee a positive ROI. The team helps commercial, industrial and multi-family property owners all over the U.S. implement energy efficiency projects (including renewable energy such as solar, wind, geothermal), eliminate waste, and save money through innovative financing solutions.

About LEED

The LEED® green building certification program is the national benchmark for the design, construction, and operations of green buildings. Visit the U.S. Green Building Council’s Web site at www.usgbc.org to learn more about LEED and green building.

Architect and interior Designer: Young and Young

Mechanical consultant: M.E. Engineering

LEED Project Administrator: Newman Consulting Group