

VOLKSWAGEN

GROUP OF AMERICA

Volkswagen's Green Innovations

Environmental responsibility and sustainability are core values of the Volkswagen Group. The company's focus on sustainable mobility and environmentally responsible manufacturing are reflected in the company's vehicle lines as well as the new plant's green features, which include:

- Advanced ventilation systems that save two megawatt hours compared to conventional ventilation systems. The smart ventilation system allows the building to take advantage of changes in the outdoor temperature, which Volkswagen calculates will allow the air conditioning system to be switched off an average of three hours every day. Also, special ventilation outlets can be positioned anywhere on the floor to bring cooled or heated air where it's needed most.
- Reduced nitrogen oxide gas burners will help improve air quality and hot exhaust gasses will be used to produce warm water, making it about five percent more efficient to produce heat with natural gas.
- Meander creeks will allow the facility to collect, filter and recycle storm water to be used in a cooling pond and restrooms. This will save about 350,000 gallons of fresh water each year.
- Environmentally-friendly roofing will use thermoplastic polyolefins, which improve the roof's weather resistance and its resilience over time.
- Smart insulation in the plant walls is made of a six-inch mineral rock wool panel. The material includes no VOC's or CFC's and is 100 percent recyclable.
- An efficient lighting system that utilizes continuous-line lighting, T5 light bulbs, mirror reflectors and motion detectors to gain greater efficiency and save about 1.15 million kilowatt hours annually.
- Outside lighting will consist of high pressure sodium vapor lights with mirror technology that use only half the energy of typical outdoor lights.