

What is Ethanol?

Ethanol can be produced not only from corn, barley, and wheat, but also from cellulose feedstocks such as corn stalks, rice straw, sugar cane bagasse, pulpwood, switchgrass, and municipal solid waste. Ethanol is usually blended with gasoline as E10 (10% ethanol and 90% gasoline) or E85 (up to 85% ethanol and 15% gasoline). E85 can only be used in flexible fuel vehicles (FFVs), which all domestic automakers offer. Visit www.e85fuel.com for a list of FFVs.

What vehicles can use ethanol & how does it perform?

From a consumer perspective, there is no noticeable difference in vehicle performance when E10 is used. Because ethanol has lower energy content than gasoline, E85 use will reduce fuel economy. The magnitude of the reduction depends on the vehicle, driving habits and conditions, but 15% is an often-cited average.



What are the benefits of ethanol?

Using E85 reduces petroleum consumption—Use of E85 will reduce overall use of petroleum and replace it with renewable-based fuel produced in the U.S.

E85 is better for the environment—E85 offers environmental benefits such as reducing carbon monoxide, volatile organic compounds, nitrogen oxides, and particulate matter emissions when compared to gas.

Flexible Fuel Vehicles (FFVs) are available and affordable—FFVs specifically designed to run on E85 are becoming more common each model year, and FFVs are typically available as standard equipment with little or no incremental cost. Visit www.E85fuel.com for a listing of FFVs.

FFVs have flexible fueling options—FFVs may operate on gasoline or E85, and a driver may simply fuel with either fuel as the situation dictates.

E85 is easy to use and handle—E85 fueling equipment is only slightly different and of similar cost to equipment to store and dispense petroleum fuels.



Clean Cities is a government-industry partnership designed to reduce petroleum consumption in the transportation sector by advancing the use of alternative fuels and vehicles, idle reduction technologies, hybrid electric vehicles, fuel blends, and fuel economy. Virginia Clean Cities is one of almost 90 coalition across the U.S. that help meet the objectives of improving air quality, developing regional economic opportunities, and reducing the use of imported petroleum.

Visit us on the web: www.hrccc.org

E85 ETHANOL NOW AVAILABLE IN OUR NATION'S CAPITAL

On June 28, 2007, General Motors, VeraSun Energy and Mid-Atlantic Petroleum opened the first retail pump of VE85™, VeraSun's branded E85 ethanol, at the Georgetown Chevron, 2450 Wisconsin Ave, N.W. See inside and backside for information on current & planned E85 locations around VA, MD and DC.



U.S. Energy Secretary Samuel Bodman pumps E85 at the Georgetown Chevron beside GM VP Elizabeth Lowery. Photo Credit: GM/Mark Finkenstaedt.

Virginia Clean Cities
Hampton Roads Clean Cities
www.hrccc.org



Unrestricted Public Access E85 Stations VA, MD, DC

VIRGINIA

Navy Exchange Quarters K

801 S. Joyce Street, Arlington, VA 22204
(703) 979-0405

Hrs: M-F: 5:30a-7:30p; Sat 7:30a-6p; Sun 9:30a-6p

MARYLAND

Chevron Service Center

3240 Fort Mead Road, Laurel, MD 20724
(410) 880-4740

Hours: 7a-7p M-F

Quik-Mart Citgo Parole

2042 West Street, Annapolis, MD 21041
(410) 571-9676

Hours: M-F 5:30a-9p; Sat 7a-9p

WASHINGTON D.C.

Georgetown Chevron

2450 Wisconsin Ave, N.W., Washington, DC 20007
(202) 337-6277

Hours: 24/7

Restricted Public Access

VIRGINIA

Naval Station Norfolk

Bldg U-113 Bellinger Blvd, Norfolk, VA 23511
Access: Public (with base access privilege and ID)

Yorktown Naval Weapons Station

Yorktown, VA 23691
Access: Public (with base access privilege and ID)

AAFES Post Exchange

Defense Supply Ctr Richmond

8000 Jefferson Davis Highway, Richmond, VA 22134
Access: Public (with base access privilege and ID)

MARYLAND

Montgomery County Agencies

16640 Crabbs Branch Way
Gaithersburg, MD 20855
(240) 777-5730

Hrs: 24/7 (call ahead if first visit—waiver req'd)

Private E85 Stations

VIRGINIA

VA Office of Fleet Management Services

2400 Leigh Street, Richmond, VA
Private Access—Virginia state fleet access only

NASA Langley Research Center

2 East Ames Street, Hampton, VA 23681
Private Access—Langley vehicles only

Marine Corps Base—Quantico

Quantico, VA 22134
Private Access

MARYLAND

Andrews Air Force Base

Andrews AFB, MD 20762
Private Access

Baltimore State Office Center—DGS

301 W Preston Street, Baltimore, MD 21201
Private Access

Goddard Space Flight Center

Soil Conservation Road, Bldg 27, Greenbelt, MD 20771
Private Access

Social Security Administration

6401 Security Blvd, Woodlawn, MD 21235
Private Access—Federal vehicles only

WASHINGTON D.C.

DC Fleet Management Admin Fueling

1835 West Virginia Avenue NE, Washington, DC 20002
Private Access—District government only

Bolling Air Force Base

Washington, DC 20032
Private Access

Planned E85 Stations

VIRGINIA

VA Fleet Management Services — Private

Dale City, VA 22193

VA Fleet Management Services — Private

Williamsburg, VA 23186

Fort Belvoir — Private

Fort Belvoir, VA 22060

MARYLAND

Towncenter Chevron — Public

Germanatown, MD 20874

Congressional Sonoco — Public

Rockville, MD 20852

Takoma Park Texaco — Public

Takoma Park, MD 20912

Germanatown Chevron — Public

Germanatown, MD 20876

Fredericktowne Chevron — Public

Frederick, MD 21702

National Institutes of Health

Bethesda, MD 20892

WASHINGTON D.C.

Watergate Chevron — Public

Washington D.C. 20037

Marine Barracks — Private

8th & I, Washington, DC 20390

Planned sites listed above are subject to revision, please visit hrccc.org for the latest version.

Disclaimer: Station information was compiled from a variety of sources including the Alternative Fuels Data Center, the National Ethanol Vehicle Coalition, and Clean Cities data.