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.

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. For a listings of FFVs: vacleancities.org/ethanol/e85cars/

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. Visit www.e85prices.com for public station pricing information.

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.
## PUBLIC E85 STATIONS

### VIRGINIA

**Navy Exchange Oceana**
1449 Tomcat Blvd, Virginia Beach, VA 23460
(757) 425-4281 Hrs: 24/7

**STOP IN - Country Store and Subway**
1220 Seminole Trail, Charlottesvile, VA 22901
(434) 973-1005 Hrs: 24/7

**Airport BP - James River Petroleum**
12257 Jefferson Ave, Newport News, VA 23602
(757) 249-3643 Hrs: 24/7

**Schmitz Sonoco, Ashburn**
42800 Creek View Plaza, Ashburn, VA 20147
(703) 724-4422 Hrs: 24/7

**Phillips Energy, Inc.**
2586 George Washington Memorial Highway, Hayes, VA
(804) 642-2166 Hrs: 24/7

**Sheetz, Wytheville**
1340 North 4th Street, Wytheville, VA 24382
(276) 228-8100 Hrs: 24/7

### MARYLAND

**Towncenter W Express**
12301 Middlebrook Rd, Germantown, MD 20874
(301) 972-5122 Hrs: 24/7

**Germantown W Express**
20510 Frederick Rd, Germantown, MD 20876
(301) 353-8288 Hrs: 24/7

**Takoma Park W Express**
6400 New Hampshire Ave, Takoma Park, MD 20912
(301) 270-7119 Hrs: 7a-11p daily

**Chevron Service Center**
3240 Fort Meade Road, Laurel, MD 20724
(410) 880-4740 Hrs: 7a-7p M-F

**NS Annapolis NEX**
Bldg 178 Kincaid Road, Annapolis MD 21402
(410) 757-0005 Hrs: 24/7

### WASHINGTON D.C.

**Georgetown SUNOCO**
2450 Wisconsin Ave, NW, Washington, DC 20007
(202) 337-6277 Hrs: 24/7

**22 Florida LP-MAPP**
22 Florida Ave NW, Washington DC (202) 323-2511 24/7

**420 Rhode Island LP-MAPP**
420 Rhode Island Ave NW, Washington DC 24/7

## RESTRICTED ACCESS E85 STATIONS

### VIRGINIA

**AAFES Post Exchange - DSCR**
8000 Jefferson Davis Hwy, Richmond, VA 23234
Access: Requires access privilege and ID

**Yorktown Naval Weapons Station**
Yorktown, VA 23691
Access: Requires base access privilege and ID

**NASA Langley Research Center**
2 East Ames Street, Hampton, VA

**Fort Belvoir**
Fort Belvoir, VA

**VA Office of Fleet Management Services**
2400 Leigh Street, Richmond, VA
(Government fleets only)

### MARYLAND

**Andrews Air Force Base**
Andrews AFB, MD 20762

**Baltimore State Office Center - DGS**
301 W Preston St, Baltimore, MD 21201

**City of Baltimore**
420 Front Street, Baltimore, MD 21202

**National Institute of Health**
9000 Rockville Pike, Bethesda, MD 20892

**Goddard Space Flight Center**
Bldg 27, Soil Conservation Road, Greenbelt, MD

**Social Security Administration**
6401 Security Blvd, Woodlawn, MD 21235

**University of Maryland**
Building 011, College Park MD 20747
Government fleets only

**SHA Refueling Station**
7491 Connelly Dr. Hanover MD 21076