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 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.

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 coalitions across the U.S. that help meet the objectives of improving air quality, developing regional economic opportunities, and reducing the use of imported petroleum.

www.vacleancities.org

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.

See inside and backside for information on E85 locations around VA, MD and DC.

E85 ETHANOL IN THE MID-ATLANTIC REGION

Clean Cities

701 Carrier Drive MSC 4115
Harrisonburg, VA 22807
Phone: (540) 568-8896 - Fax: (540) 568-5181
www.vacleancities.org
September 2012
**PUBLIC E85 STATIONS**

**VIRGINIA**

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

**STOP IN - Country Store and Subway**
1220 Seminole Trail, Charlottesville, 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
(571) 323-2022 | Hrs: 24/7

**Naval Exchange Norfolk**
CD 16 Mall Drive, Norfolk, VA 23511
(757) 440-2265 | Hrs: 24/7

**Phillips Energy, Inc.**
2386 George Washington Memorial Highway, Hayes, VA
(804) 642-2166 | Hrs: 24/7

**Sheetz, Wytheville**
1340 North 4th Street, Wytheville, VA 24382
(276) 218-8100 | 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

**Congressional Plaza Sunoco**
1464 Rockville Pike, Rockville, MD 20852
(301) 770-7240 | Hrs: M-F 6a-11p; Sat 7a-11p; Sun 7a-11p

**North Potomac SUNOCO**
10010 Darnestown Rd., Rockville, MD 20850

**Fredericktowne W Express**
1395 West Patrick St, Frederick, MD 21702
(301) 696-8591 | Hrs: 6a-11p daily

**Bestgate Shell**
811 Bestgate Rd, Annapolis, MD 21401
(410) 266-3892 | Hrs: 24/7

**Quik-Mart Citgo Parole**
2042 West Street, Annapolis, MD 21041
(410) 571-9676 | Hrs: M-F 5:30a-9p; Sat 7a-7p

**Washingtonian W Express**
10003 Fields Road, Gaithersburg, MD

**Montgomery County Agencies**
3892 Crabb's Branch Way, Gaithersburg, MD
(240) 777-5730 | Hrs: 24/7

**W Express**
100 North Frederick Ave Gaithersburg, MD 20877
(301) 840-1517

**Bethesda W Express**
5143 River Rd., Bethesda, MD (301) 652-8440

**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) 337-2511 24/7

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

**RESTRICTED ACCESS E85 STATIONS**

**WASHINGTON D.C.**

**DC Fleet Management Admin Fueling**
1835 West Virginia Ave NE, Washington, DC 20002

**Bolling Air Force Base**
Washington, DC 20032
www.vacleancities.org

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**RESTRICTED ACCESS E85 STATIONS**

**VIRGINIA**

**AAFES Post Exchange - DSCR**
8000 Jefferson Davis Hwy, Richmond, VA 22134
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

**Marine Corps Base - Quantico**
Quantico, VA 22134

**Fort Belvoir**
Fort Belvoir, VA

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

**JEB Little Creek/Fort Story BLENDERPUMP**
1251 D Street, Bldg 3093 Virginia Beach, VA 23459
(757) 363-3799 | Hrs: 24/7

**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**
SHA Refueling Station
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