

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.

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 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.

www.vacleancities.org

E85 ETHANOL IN THE MID-ATLANTIC REGION



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

 Virginia 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

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, 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
(703) 724-4422 Hrs: 24/7

Naval Exchange Norfolk

CD 16 Mall Drive, Norfolk, VA 23511
(757) 440-2265 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

Congressional Plaza Sunoco

1464 Rockville Pike, Rockville, MD 20852
(301) 770-7240 Hrs: M-F 6a-11p; Sat 7a-11p; Sun 7a-10p

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-9p

Washingtonian W Express

10003 Fields Road, Gaithersburg, MD

Montgomery County Agencies

16640 Crabbs 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) 323-2511 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

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 Littlecreek\Fort Story BLENDERPUMP

1251 D Street, Bldg 3093 Virginia Beach, VA 23459
(757) 363-3379 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 20542

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