

## *Ethanol (E10)*

*Compiled by Marian G. Rogers, November 2005*

[www.legis.state.wi.us/lrb/pubs/tapthepower.htm](http://www.legis.state.wi.us/lrb/pubs/tapthepower.htm)

The use of fuel alcohol continues to grow as states modify fuel and air pollution requirements. Recently, President Bush signed the Energy Policy Act of 2005, which expands the use of clean energy. In 2004, California, Connecticut, and New York banned the use of MTBE in reformulated gasoline; ethanol is used instead. In 2005, three states (Hawaii, Minnesota, and Montana) have implemented or soon will require gasoline to contain 10% ethanol; this is commonly referred to as E10. Legislation regarding ethanol as fuel has been introduced in the Wisconsin Legislature. The primary focus of this bibliography is to present information on E10. However, the bibliography also contains print and electronic resources on ethanol and related issues as well as on programs in other states.

### BACKGROUND

**Biofuels / Council of State Governments, November 2004. (381.45/C83)** “This issue of *Trends Alert* examines major issues regarding [ethanol and other] biofuels . . .”.  
[www.csg.org/CSG/Products/trends+alerts/default.htm](http://www.csg.org/CSG/Products/trends+alerts/default.htm)

**Effects of an RFS [Renewable Fuel Standard] on U.S. Energy Savings, National Costs of Gasoline Production, and the Regional Pattern of Ethanol Use / Prepared for the American Petroleum Institute by MathPro, Inc., 2005.** [http://api-ec.api.org/filelibrary/MathPro1\\_RFS\\_Effects\\_Rep\\_0523\\_c.pdf](http://api-ec.api.org/filelibrary/MathPro1_RFS_Effects_Rep_0523_c.pdf)

**“Energy Policy Act of 2005” / U.S. 109th Congress, August 8, 2005. (P.L. 109-58).** Comprehensive R&D program which expands the use of clean energy (including vehicles, alternative motor fuels, and ethanol). Click on “.PDF” for text of act.  
<http://thomas.loc.gov/cgi-bin/bdquery/z?d109:h.r.00006>:

**“The Energy Bill and You” / U.S. Department of Energy, 2005.** “... a list of some of the most popular points...”.  
[www.doe.gov/engine/content.do?BT\\_CODE=EDG1760](http://www.doe.gov/engine/content.do?BT_CODE=EDG1760)

**E10 Unleaded / Nebraska Corn Board, Nebraska Ethanol Board and Nebraska Corn Growers Association.** E10 description, benefits, and facts. [www.e10unleaded.com/index2.htm](http://www.e10unleaded.com/index2.htm)

**Fuel Economy Study: Comparing Performance and Cost of Various Ethanol Blends and Standard Unleaded Gasoline / American Coalition for Ethanol, August 24, 2005. (381.45/Am31)** [www.ethanol.org/documents/ACEFuelEconomyStudy.pdf](http://www.ethanol.org/documents/ACEFuelEconomyStudy.pdf)  
[www.ethanol.org/PressRelease8.24.05.htm](http://www.ethanol.org/PressRelease8.24.05.htm)

**Fuel Ethanol: Background and Public Policy Issues / U.S. Congressional Research Service, updated December 17, 2004. (RL30369). (381.45/X27)** Frequently updated report presenting an overview of ethanol, its production and future, and the issues of MTBE and oxygenates in gasoline.  
[www.ncseonline.org/NLE/CRS/abstract.cfm?NLEid=16917](http://www.ncseonline.org/NLE/CRS/abstract.cfm?NLEid=16917)

**Homegrown for the Homeland: Ethanol Industry Outlook 2005 / Renewable Fuels Association, February 2005. (381.45/R29)** Explores ethanol and policy relating to many economic and ecological issues. [www.ethanolrfa.org/objects/pdf/outlook2005.pdf](http://www.ethanolrfa.org/objects/pdf/outlook2005.pdf)

**“How is Ethanol Made?” / American Coalition for Ethanol, Ethanol.org.** [www.ethanol.org/howethanol.html](http://www.ethanol.org/howethanol.html)

**“Low-Level Ethanol Fuel Blends” / U.S. Office of Energy Efficiency and Renewable Energy, Clean Cities Fact Sheet, April 2005.** Two-page fact sheet on E10 and other fuel blends, emissions, fuel performance, and incentives.  
[www.nrel.gov/docs/fy05osti/37135.pdf](http://www.nrel.gov/docs/fy05osti/37135.pdf)

**“State Incentives for the Production and Use of Ethanol” / National Conference of State Legislatures, May 2005. (381.45/N21e)** [www.ncsl.org/programs/energy/ethinc.htm](http://www.ncsl.org/programs/energy/ethinc.htm)

**USDA's 2002 Ethanol Cost-of-Production Survey / Hosein Shapouri and Paul Gallagher, U.S. Department of Agriculture, Office of Energy Policy and New Uses, July 2005. (Agricultural Economic Report No. 841). (381.45/X28)** Includes Wisconsin.  
[www.usda.gov/oce/oepnu/USDA\\_2002\\_ETHANOL.pdf](http://www.usda.gov/oce/oepnu/USDA_2002_ETHANOL.pdf)

**Winners and Losers of Ethanol Mandates: Agricultural Producers, U.S. Consumers, U.S. Energy Security / Prepared for the American Petroleum Institute by Global Insight, Inc., 2005. (381.45/Am3)** <http://api-ec.api.org/filelibrary/Global%20Insight%20Final%20Ethanol%20Report%202005%20May.pdf>

### HAWAII, ILLINOIS, AND IOWA

**“Ethanol” / Iowa Department of Natural Resources.** “Iowa has created many incentives and laws to expand ethanol development . . .”. [www.iowadnr.com/energy/renewable/ethanol.html](http://www.iowadnr.com/energy/renewable/ethanol.html)

**“Ethanol Fuel” / Hawaii Department of Business, Economic Development and Tourism, Strategic Industries Division, August 2005.** [www.hawaii.gov/dbedt/ert/ethanol.html](http://www.hawaii.gov/dbedt/ert/ethanol.html)

**“Illinois Corn” / Illinois Corn Marketing Board.** “To service and support the growing interest in ethanol production. . .”.  
[www.ilcorn.org/Ethanol/ethanol.html](http://www.ilcorn.org/Ethanol/ethanol.html)

## *Ethanol (E10)* Continued

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### MINNESOTA

Since 1997, Minnesota has mandated 10% ethanol in gasoline. On May 10, 2005, Governor Pawlenty signed E20 legislation which doubled the required percentage.

**“The Ethanol Industry in Minnesota” / Minnesota, House of Representatives, House Research, October 2002.** [www.house.leg.state.mn.us/hrd/issinfo/ssethnl.htm](http://www.house.leg.state.mn.us/hrd/issinfo/ssethnl.htm)

**“Ethanol Programs” / Minnesota Office of the Legislative Auditor, Program Evaluation Division, February 6, 1997. (381.45/M6a)** This study looks further into the costs and benefits of Minnesota’s early ethanol-requirement program. Provides background information, benefits analysis, scientific findings on environmental effects, and a discussion of major risks to profitability. [www.auditor.leg.state.mn.us/ped/1997/pe9704.htm](http://www.auditor.leg.state.mn.us/ped/1997/pe9704.htm)

**“The Minnesota Ethanol Program” / Minnesota Department of Agriculture.** [www.mda.state.mn.us/ethanol/about.htm](http://www.mda.state.mn.us/ethanol/about.htm)

### MONTANA

On May 6, 2005, Montana Governor Schweitzer signed a law requiring a majority of gasoline sold to be 10% ethanol.

***Economic Effects of Increased Ethanol Use in Montana* / Jeff Blend and Howard Haines, Montana Department of Environmental Quality, Air, Energy and Pollution Prevention Bureau, January 5, 2005. (381.45/M76)** [www.deq.state.mt.us/Energy/bioenergy/Ethanol\\_Econmix\\_MT\\_FINAL.pdf](http://www.deq.state.mt.us/Energy/bioenergy/Ethanol_Econmix_MT_FINAL.pdf)

**“Fuel Ethanol Projects” / Montana Department of Environmental Quality.** [www.deq.state.mt.us/Energy/bioenergy/FuelEthanolProjects.asp](http://www.deq.state.mt.us/Energy/bioenergy/FuelEthanolProjects.asp)

***Hydrogen, Wind, Biodiesel, and Ethanol: Alternative Energy Sources to Fuel Montana’s Future?* / Montana Environmental Quality Council, September 2004. (381.02/M76)** <http://leg.state.mt.us/content/publications/lepo/2004energyreport.pdf>

### WISCONSIN

**“Alternative Fuels” / Wisconsin Department of Agriculture, Trade and Consumer Protection.** <http://datcp.state.wi.us/mktg/business/marketing/val-add/alt-fuels/index.jsp>

**“Alternative Fuels Program” / Wisconsin Department of Administration, October 17, 2005.** [www.doa.state.wi.us/section\\_detail.asp?linkcatid=419](http://www.doa.state.wi.us/section_detail.asp?linkcatid=419)

**“Ethanol Facts: Clean Air, Clean Fuel” / Wisconsin Farm Bureau Federation.** [www.wfbf.com/ethanol.htm](http://www.wfbf.com/ethanol.htm)

***Ozone Air Quality Effects of a 10% Ethanol Blended Gasoline in Wisconsin* / Wisconsin Department of Natural Resources, Bureau of Air Management, September 6, 2005. (623.11/W7i4)** [www.hamilton-consulting.com/updates/docsdnr\\_final\\_e10\\_revised\\_090805.pdf](http://www.hamilton-consulting.com/updates/docsdnr_final_e10_revised_090805.pdf)

**“Wisconsin Ethanol Plants” / Cambrians for Thoughtful Development [Columbia County, Wisconsin], April 18, 2005.** A citizen-based Web site listing plants currently operating or proposed in Wisconsin, along with information and links relating to siting and opposition to plant operations. <http://homepage.mac.com/oscura/ctd/wisplants.html>

**“Wisconsin Ethanol Plants” / Wisconsin Department of Administration, October 17, 2005.** [www.doa.state.wi.us/page/subtext\\_detail.asp?linksubcatid=1017&linkcatid=419&linkid=Wisconsin\\_Gasohol\\_and\\_Alternative\\_Fuel\\_Use](http://www.doa.state.wi.us/page/subtext_detail.asp?linksubcatid=1017&linkcatid=419&linkid=Wisconsin_Gasohol_and_Alternative_Fuel_Use) / Wisconsin Department of Administration, Division of Energy and Intergovernmental Relations, April 2005. (381.45/W7g1/2005)

### RELATED WEB SITES

[www.agmrc.org/agmrc/commodity/energy/ethanol/ethanol.htm](http://www.agmrc.org/agmrc/commodity/energy/ethanol/ethanol.htm) – Agricultural Marketing Resource Center, “Ethanol”.

[www.transportation.anl.gov](http://www.transportation.anl.gov) – Argonne National Laboratory, Transportation Technology R&D Center.

[www.energyjustice.net/ethanol/](http://www.energyjustice.net/ethanol/) – Energy Justice Network, “Ethanol -- Just Another Dirty Fuel”. Critiques of ethanol; ethanol plant locations, pollution, incidents worldwide, and opposition groups.

[www.ethanolacrossamerica.net/](http://www.ethanolacrossamerica.net/) – Ethanol Across America.

[www.drivingethanol.org](http://www.drivingethanol.org) – Ethanol Promotion and Information Council (EPIC).

[www.ethanol-gec.org/](http://www.ethanol-gec.org/) – Governors’ Ethanol Coalition.

[www.heartland.org/IssueSuiteTopic.cfm?issId=2&istId=259](http://www.heartland.org/IssueSuiteTopic.cfm?issId=2&istId=259) – Heartland Institute. Collection of articles refuting ethanol benefits.

[www.ethanolrfa.org/resource/reports/](http://www.ethanolrfa.org/resource/reports/) – Renewable Fuels Association, “Ethanol Facts”.

[www.eia.doe.gov/oiaf/ethanol3.html](http://www.eia.doe.gov/oiaf/ethanol3.html) – U.S. Energy Information Administration, “Ethanol”. Includes information on MTBE bans, preparations for meeting New York and Connecticut restrictions, and the impact on California gas prices.

[www.epa.gov/otaq/consumer/fuels/altfuels/altfuels.htm](http://www.epa.gov/otaq/consumer/fuels/altfuels/altfuels.htm) – U.S. Environmental Protection Agency, “Alternative Fuels”.

[www.epa.gov/air/oaq\\_caa.html](http://www.epa.gov/air/oaq_caa.html) – U.S. Environmental Protection Agency, “Clean Air Act”. As amended in 1990.

[www.eere.energy.gov/afdc/progs/related2alt.cgi?29](http://www.eere.energy.gov/afdc/progs/related2alt.cgi?29) – U.S. Office of Energy Efficiency and Renewable Energy, Alternative Fuels Data Center, “Ethanol Related Links”.

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