

## Energy Alternatives and the Environment

### PB2012111193

Air, Climate, and Energy. Strategic Research Action Plan 2012-2016.

Environmental Protection Agency, Washington, DC. Office of Research and Development.

2012, 45p

EPA/601/R-12/003

#### Related Categories/Sub-Categories:

97G (Policies, Regulations & Studies)

68A (Air Pollution & Control)

55C (Meteorological Data Collection, Analysis, & Weather Forecasting)

**Keywords:** Air pollution, Climate change, Air Climate and Energy (ACE).

### DE20121038144

Reduction of Carbon Footprint and Energy

Efficiency Improvement in Aluminum

Production by Use of Novel Wireless

Instrumentation Integrated with Mathematical Modeling.

Wireless Industrial Technologies, Inc., Oakland, CA.

2012, 38p

DOE/EE0003500

#### Related Categories/Sub-Categories:

97R (Environmental Studies)

45C (Common Carrier & Satellite)

71N (Nonferrous Metals & Alloys)

72E (Operations Research)

**Keywords:** Aluminum production, Energy efficiency, Wireless instrumentation.



### PB2012111194

Air and Water Quality Impacts of Brownfields Redevelopment: A Study of Five Communities.

Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.

Environmental Protection Agency, Washington, DC. Office of Brownfields and Land Revitalization.

2011, 100p

EPA-560-F-10-232

#### Related Categories/Sub-Categories:

68A (Air Pollution & Control)

68D (Water Pollution & Control)

85 (Transportation)

43F (Environment)

91A (Environmental Management & Planning)

**Keywords:** Air emissions, Personal vehicle energy use, Stormwater runoff.

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### PB2012111191

Energy Management and Conservation Program. FY 2011 Annual Report.

Environmental Protection Agency, Washington, DC. 2012, 47p

#### Related Categories/Sub-Categories:

97G (Policies, Regulations & Studies)

48B (Natural Resource Management)

43E (Energy)

**Keywords:** Energy efficiency performance, Water conservation, Sustainable building designs.

### PB2012111199

Renewable and Alternative Energy at Superfund Sites: Harnessing New Sources of Power. Superfund Redevelopment Initiative.

Environmental Protection Agency, Washington, DC. Office of Solid Waste and Emergency Response.

2011, 16p

#### Related Categories/Sub-Categories:

97R (Environmental Studies)

97K (Fuels)

43E (Energy)

68C (Solid Wastes Pollution & Control)

**Keywords:** Renewable energy, Green remediation, Superfund sites.

### PB2012111196

Healthy Indoor Environment Protocols for Home Energy Upgrades.

Environmental Protection Agency, Washington, DC. Office of Air and Radiation.

2011, 48p

EPA/402/K-11/003

#### Related Categories/Sub-Categories:

89B (Architectural Design & Environmental Engineering)

97B (Energy Use, Supply, & Demand)

97G (Policies, Regulations & Studies)

91A (Environmental Management & Planning)

43F (Environment)

**Keywords:** Indoor air pollution, Energy efficiency, Residential buildings.



**PB2012111200**

Reducing Greenhouse Gases in the Mid-Atlantic: An Overview of EPA Region 3.

Environmental Protection Agency, Philadelphia, PA. Region III.  
2011, 28p

**Related Categories/Sub-Categories:**

68A (Air Pollution & Control)  
97R (Environmental Studies)

**Keywords:** Air pollution abatement, Green house gas emissions, Climate change.

**PB2012111195**

Regarding Energy Efficiency as a Low-Cost Resource for Achieving Carbon Emissions Reductions.

ICF International Associates, Inc., Fairfax, VA.  
Environmental Protection Agency, Washington, DC. Office of Air and Radiation.  
2009, 86p

**Related Categories/Sub-Categories:**

97R (Environmental Studies)  
97B (Energy Use, Supply, & Demand)  
97K (Fuels)  
68A (Air Pollution & Control)

**Keywords:** Energy efficiency, Carbon emissions, Air pollution control.

**PB2012111198**

Bioenergy & Energy Alternatives: ARS National Program 307 Accomplishment Report 1999-2006.

Agricultural Research Service, Washington, DC.  
2007, 67p

**Related Categories/Sub-Categories:**

97K (Fuels)  
97G (Policies, Regulations & Studies)  
97R (Environmental Studies)  
68 (Environmental Pollution & Control)  
98 (Agriculture & Food)

**Keywords:** Biofuels, Ethanol, Agricultural Research Service (ARS).

**PB2012111192**

Energy Alternatives and the Environment (2007).  
Minerals Management Service, Herndon, VA.  
Environmental Div.  
2007, 46p  
OCS/MMS-2007-016

**Related Categories/Sub-Categories:**

48A (Mineral Industries)  
97R (Environmental Studies)  
68 (Environmental Pollution & Control)  
43E (Energy)

**Keywords:** Leasing, Oil wells, Gas wells.

**ADA434397**

Evaluation of Wind Turbine Technology at Peterson Air Force Base.

Air Force Inst. of Tech., Wright-Patterson AFB, OH.  
School of Engineering and Management.  
2005, 140p  
AFIT/GCA/ENV/05M-02

**Related Categories/Sub-Categories:**

68A (Air Pollution & Control)  
97O (Miscellaneous Energy Conversion & Storage)  
74E (Logistics, Military Facilities, & Supplies)

**Keywords:** Environmental impact, Energy consumption, Greenhouse effect.

**PB200210629**

Energy Alternatives and the Environment (2001).  
Minerals Management Service, Herndon, VA.  
Environmental Div.  
2001, 54p  
MMS-2001-096

**Related Categories/Sub-Categories:**

48A (Mineral Industries)  
97R (Environmental Studies)  
68 (Environmental Pollution & Control)

**Keywords:** Leasing, Environmental impacts, Outer Continental Shelf.

**PB2012111197**

Climate Change Mitigation Strategies for Kentucky: Policy Options for Controlling Greenhouse Gas Emissions through the Year 2020 AD.

Louisville Univ., KY.  
Kentucky Natural Resources and Environmental Protection Cabinet, Frankfort.  
1998, 148p

**Related Categories/Sub-Categories:**

68A (Air Pollution & Control)  
43F (Environment)  
55C (Meteorological Data Collection, Analysis, & Weather Forecasting)

**Keywords:** Air pollution control, Environmental policies Electric utility restructuring.

**PB2001104209**

Energy Alternatives and the Environment (1996).  
Minerals Management Service, Washington, DC.  
1996, 50p  
OCS/MMS-96-0049

**Related Categories/Sub-Categories:**

48A (Mineral Industries)  
97R (Environmental Studies)  
68 (Environmental Pollution & Control)

**Keywords:** Environmental impacts, Oil wells, Gas wells.

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**DE96008626**

Environmental Benefits of Cellulosic Energy Crops at a Landscape Scale.

Oak Ridge National Lab., TN.  
1995, 12p  
CONF-9511191-3

**Related Categories/Sub-Categories:**

97K (Fuels)  
68 (Environmental Pollution & Control)  
98 (Agriculture & Food)

**Keywords:** Biomass, Cellulose, Fuel Substitution.

**PB95243176**

Methodologies for Quantifying Pollution Prevention Benefits from Landfill Gas Control and Utilization.

Pechan (E.H.) and Associates, Inc., Rancho Cordova, CA.  
Environmental Protection Agency, Research Triangle Park, NC. Air and Energy Engineering Research Lab.  
1995, 54p  
EPA/600/R-95/089

**Related Categories/Sub-Categories:**

68A (Air Pollution & Control)  
68C (Solid Wastes Pollution & Control)

**Keywords:** Air pollution control, Waste product utilization, Pollution prevention.

**Key to Database Fields Used**

The following NTIS database fields are used in this short listing of recently acquired technical reports.

- **NTIS Order Number**
- **Title**
- **Source**
- **Report Year, Page Count**
- **Report Number/ISBN13** (if available)
- **Related Categories/Sub-categories** (where the document is also indexed)
- **Keywords**

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Virginia Department of Transportation  
Charlottesville, VA

### Major Subject Categories

Category Codes*/Title	New for June Quantity**
41 Manufacturing Technology	40
43 Problem Solving Information for State & Local Governments	391
44 Health Care	195
45 Communication	41
46 Physics	150
47 Ocean Sciences & Technology	40
48 Natural Resources & Earth Sciences	137
49 Electrotechnology	57
50 Civil Engineering	107
51 Aeronautics & Aerodynamics	79
54 Astronomy & Astrophysics	45
55 Atmospheric Sciences	85
57 Medicine & Biology	376
62 Computers, Control & Information Theory	206
63 Detection & Countermeasures	49
68 Environmental Pollution & Control	245
70 Administration & Management	512
71 Materials Sciences	141
72 Mathematical Sciences	58
74 Military Sciences	215
75 Missile Technology	1
76 Navigation, Guidance, & Control	16
77 Nuclear Science & Technology	93
79 Ordnance	78
81 Combustion, Engines, & Propellants	41
82 Photography & Recording Devices	9
84 Space Technology	100
85 Transportation	231
88 Library & Information Sciences	121
89 Building Industry Technology	55
90 Government Inventions for Licensing	0
91 Urban & Regional Technology & Development	398
92 Behavior & Society	367
94 Industrial & Mechanical Engineering	78
95 Biomedical Technology & Human Factors Engineering	54
96 Business & Economics	191
97 Energy	195
98 Agriculture & Food	87
99 Chemistry	79

\* For a listing of Scope Notes that defines the specific topical content for each category, go to <http://www.ntis.gov/pdf/scopenotes.pdf>

\*\* Quantities represent each new report assigned on average to 3-5 categories.

#### DE94016483

Hydrogen Production by Gasification of Municipal Solid Waste.

Lawrence Livermore National Lab., CA.  
1994, 24p  
UCRL-ID-117603

#### Related Categories/Sub-Categories:

- 68C (Solid Wastes Pollution & Control)
- 68A (Air Pollution & Control)
- 97R (Environmental Studies)
- 97K (Fuels)

Keywords: Hydrogen Production, Municipal Wastes, Air pollution abatement.

#### DE94017881

Regional Environmental Impact of Biomass Production.

Oak Ridge National Lab., TN.  
1994, 36p  
CONF-9406245-1

#### Related Categories/Sub-Categories:

- 68 (Environmental Pollution & Control)
- 98D (Agronomy, Horticulture, & Plant Pathology)
- 97R (Environmental Studies)
- 97K (Fuels)

Keywords: Wood fuels, Fertilizers, Renewable energy sources.

#### DE94009559

How to Develop a Long term CO(sub 2) Reduction Plan: A Project Report.

Urban Consortium for Technology Initiatives, Washington, DC. Energy Task Force. Public Technology, Inc., Washington, DC (United States).  
1993, 60p  
DOE/CE/16067-2

#### Related Categories/Sub-Categories:

- 68A (Air Pollution & Control)
- 68C (Solid Wastes Pollution & Control)
- 97R (Environmental Studies)
- 97I (Electric Power Production)

Keywords: Carbon dioxide, Air pollution control, Ecological concentration.

### Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from three to five, although there are some reports with more.



**DE94000227**

Fuel Cycle Evaluations of Biomass-Ethanol and Reformulated Gasoline. Volume 1.

National Renewable Energy Lab., Golden, CO.  
Oak Ridge National Lab., TN (United States).  
Pacific Northwest Lab., Richland, WA (United States).

1993, 192p  
NREL/TP-463-4950

**Related Categories/Sub-Categories:**

97K (Fuels)  
97G (Policies, Regulations & Studies)  
97R (Environmental Studies)  
68A (Air Pollution & Control)  
68C (Solid Wastes Pollution & Control)

**Keywords:** Ethanol fuels, Automotive Fuels, Waste utilization.

**DE92557266**

CO(sub 2) Removal in Competition with other Options for Reducing CO(sub 2) Emissions.

Netherlands Energy Research Foundation ECN, Petten.

1992, 16p  
ECN-RX-92-025

**Related Categories/Sub-Categories:**

68A (Air Pollution & Control)  
97R (Environmental Studies)  
97K (Fuels)

**Keywords:** Air pollution abatement, Carbon dioxide, Computer calculations.

**DE91633456**

Proceedings of the International Conference on Energy Alternatives/Risk education V. 2. Energy and Risk.

Orszagos Oktatastechnikai Koezpont, Veszprem (Hungary).

1990, 364p  
INIS-MF-12839  
ISBN 963 441 165 7

**Related Categories/Sub-Categories:**

97G (Policies, Regulations & Studies)  
97Q (Selected Studies In Nuclear Technology)  
97R (Environmental Studies)  
77H (Reactor Engineering & Nuclear Power Plants)  
77E (Nuclear Instrumentation)  
77F (Radiation Shielding, Protection, & Safety)  
68F (Radiation Pollution & Control)

**Keywords:** Background radiation, Nuclear energy, Risk assessment.

**DE88756600**

Environmental Consequences from Various Energy Alternatives. Effluents from the Combustion of Petroleum versus Wood. Oslo Univ. (Norway). Raadet for Natur-og Miljoefag.

1985, 49p  
NEI-NO-75

Language: Norwegian

**Related Categories/Sub-Categories:**

97R (Environmental Studies)  
97K (Fuels)  
81A (Combustion & Ignition)  
68A (Air Pollution & Control)

**Keywords:** Energy sources, Air pollution abatement, Environmental effects.

**DE85006049**

Energy Alternatives. Volume 2, No. 7.

Illinois Dept. of Energy and Natural Resources, Springfield.

1984, 9p  
DOE/CS/69095-5

**Related Categories/Sub-Categories:**

97N (Solar Energy)  
97J (Heating & Cooling Systems)  
97B (Energy Use, Supply, & Demand)  
97I (Electric Power Production)  
68C (Solid Wastes Pollution & Control)

**Keywords:** Refuse-fueled power plants, Swimming pools, Water heating.

**DE85901700**

Methane Resource Assessment for Hawaii.

Hawaii State Dept. of Planning and Economic Development, Honolulu. Div. of Energy.

1984, 86p  
NP-5901700

**Related Categories/Sub-Categories:**

97K (Fuels)  
68C (Solid Wastes Pollution & Control)  
68D (Water Pollution & Control)  
57B (Biochemistry)  
99B (Industrial Chemistry & Chemical Process Engineering)

**Keywords:** Anaerobic digestion, Manures, Sanitary landfills.

**PB2008107020**

Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume I of VI, Regional Impacts of Oil Shale Development.

Department of the Interior, Washington, DC.  
1973, 747p

See also PB2008-107021.

**Related Categories/Sub-Categories:**

68H (Environmental Impact Statements)  
48A (Mineral Industries)  
97F (Fuel Conversion Processes)  
97K (Fuels)  
97R (Environmental Studies)  
99B (Industrial Chemistry & Chemical Process Engineering)

**Keywords:** Environmental impact statements, Oil shales, Resource development.



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**Subject selections:**

- Agriculture and Food
- Biomedical Technology and Human Factor Engineering
- Building Industry Technology
- Business & Economics
- Civil Engineering
- Communication
- Computers, Control & Information Theory
- Electrotechnology
- Energy
- Environmental Pollution and Control
- Government Inventions for Licensing
- Health Care
- Manufacturing Technology
- Materials Sciences
- Ocean Sciences and Technology
- Transportation

Photo: Architect of the Capitol



**PB2008107021**

Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume II of VI, Energy Alternatives.

Department of the Interior, Washington, DC. 1973, 281p

See also PB2008-107022.

**Related Categories/Sub-Categories:**

- 68H (Environmental Impact Statements)
- 48A (Mineral Industries)
- 97G (Policies, Regulations & Studies)
- 97K (Fuels)
- 97R (Environmental Studies)

**Keywords:** Environmental impact statements, Oil shales, Resource development.

**PB2008107022**

Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume III of VI, Specific Impacts of Prototype Oil Shale Development.

Department of the Interior, Washington, DC. 1973, 703p

See also PB2008-107023.

**Related Categories/Sub-Categories:**

- 68H (Environmental Impact Statements)
- 48A (Mineral Industries)
- 97G (Policies, Regulations & Studies)
- 97K (Fuels)
- 97R (Environmental Studies)

**Keywords:** Environmental impact statements, Oil shales, Resource development.

**PB2008107023**

Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume IV of VI, Consultation and Coordination with Others.

Department of the Interior, Washington, DC. 1973, 284p

See also PB2008-107024.

**Related Categories/Sub-Categories:**

- 68H (Environmental Impact Statements)
- 48A (Mineral Industries)
- 97G (Policies, Regulations & Studies)
- 97K (Fuels)
- 97R (Environmental Studies)
- 70F (Public Administration & Government)

**Keywords:** Environmental impact statements, Oil shales, Resource Development.

**PB2008107024**

Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume V of VI. Letters Received During Review Process.

Department of the Interior, Washington, DC. 1973, 810p

See also PB2008-107025.

**Related Categories/Sub-Categories:**

- 68H (Environmental Impact Statements)
  - 48A (Mineral Industries)
  - 97G (Policies, Regulations & Studies)
  - 97K (Fuels)
  - 97R (Environmental Studies)
  - 70F (Public Administration & Government)
- Keywords:** Environmental impact statements, Oil shales, Resource development.

**PB2008107025**

Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume VI of VI, Public Hearings Held During the Review Process.

Department of the Interior, Washington, DC. 1973, 459p

See also PB2008-107020.

**Related Categories/Sub-Categories:**

- 68H (Environmental Impact Statements)
  - 48A (Mineral Industries)
  - 97G (Policies, Regulations & Studies)
  - 97R (Environmental Studies)
  - 70F (Public Administration & Government)
- Keywords:** Environmental impact statements, Oil shales, Resource development.

**ADA554345**

Challenges at the Intersection of Energy, Economy, Environment, & Security and the Role of the Defense Sector in Addressing Them.

Executive Office of the President, Washington, DC. National Science and Technology Council. 2011, 29p

**Related Categories/Sub-Categories:**

- 74E (Logistics, Military Facilities, & Supplies)
- 96 (Business & Economics)
- 92 (Behavior & Society)

**Keywords:** Defense systems, Economic analysis, Energy.

**PB2012109114**

Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2010.

Environmental Protection Agency, Washington, DC.

2012 481p

EPA/430/R-12/001

**Related Categories/Sub-Categories**

- 68A (Air Pollution & Control)
- 55C (Meteorological Data Collection, Analysis, & Weather Forecasting)

**Keywords:** Greenhouse gases, Climate changes, Inventories, Emissions, Carbon dioxide, Nitrogen dioxide, Air pollution sources, Anthropogenic sources, Fossil fuels, Biomass, Energy use.

**PB2012109144**

Impact of Center City Economic and Cultural Vibrancy on Greenhouse Gas Emissions from Transportation.

Mineta Transportation Inst., San Jose, CA.

2012 104p

CA-MTI-11-13

**Related Categories/Sub-Categories**

- 91B (Transportation & Traffic Planning)
- 97R (Environmental Studies)
- 68A (Air Pollution & Control)

**Keywords:** Urban areas, Exhaust emissions, Transportation planning, Land use planning, Public transit, Urban growth, Greenhouse gases, Households, Vibrancy.

**PB2012109147**

Ecodriving and Carbon Footprinting: Understanding How Public Education Can Result in Reduced Greenhouse Gas Emissions and Fuel Use.

Mineta Transportation Inst., San Jose, CA.

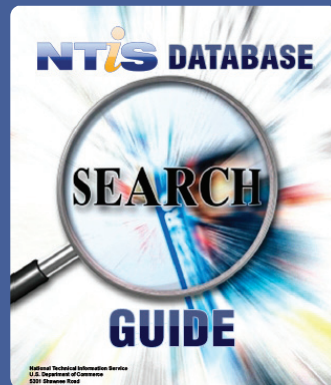
2012 184p

CA-MTI-12-2808

**Related Categories/Sub-Categories:**

- 91B (Transportation & Traffic Planning)
- 68A (Air Pollution & Control)
- 97R (Environmental Studies)

**Keywords:** Carbon footprint, Driving behavior, Vehicle maintenance, Fuel consumption, Public message campaigns, Longitudinal surveys, Greenhouse gases, Public information, Ecodriving, San Francisco(California).



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## Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Web site. The list is in alphabetical order by title.

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PB2012111191	43	Energy Management and Conservation Program. FY 2011 Annual Report.
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PB2008107021	97	Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume II of VI, Energy Alternatives.
PB2008107022	48	Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume III of VI, Specific Impacts of Prototype Oil Shale Development.
PB2008107023	70	Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume IV of VI, Consultation and Coordination with Others.
PB2008107024	68	Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume V of VI. Letters Received During Review Process.
PB2008107025	97	Final Environmental Statement for the Prototype Oil Shale Leasing Program. Volume VI of VI, Public Hearings Held During the Review Process.
DE94000227	68	Fuel Cycle Evaluations of Biomass-Ethanol and Reformulated Gasoline. Volume 1.
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DE94016483	68	Hydrogen Production by Gasification of Municipal Solid Waste.
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PB2012109114	68	Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2010.
DE85901700	97	Methane Resource Assessment for Hawaii.
PB95243176	68	Methodologies for Quantifying Pollution Prevention Benefits from Landfill Gas Control and Utilization.
DE91633456	77	Proceedings of the International Conference on Energy Alternatives/Risk education V. 2. Energy and Risk.
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DE20121038144	45	Reduction of Carbon Footprint and Energy Efficiency Improvement in Aluminum Production by Use of Novel Wireless Instrumentation Integrated with Mathematical Modeling.
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