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APPENDIX 3 - ENERGY

INFORMATION AVAILABLE TO THE PUBLIC FROM THE VERMONT DEPARTMENT OF PUBLIC SERVICE

I. ENERGY LIBRARY

The Department of Public Service has an extensive, up-to-date library, with more than 5,000 volumes, available for use by the public as a reference library. (Volumes cannot be checked out, but may be used on-site or copied for a small fee.) Topics covered include energy supply (all fuels), energy demand (including demand side management), engineering and operations, economics and demographics, environmental impacts, planning, codes and standards, rates and regulations, as well as serial publications (most from the federal government), NEPOOL publications, government publications (Vermont and other states), and many periodicals, catalogs, and other miscellaneous information.

II. ENERGY EFFICIENCY ASSISTANCE

The Energy Efficiency Division of DPS is available to answer questions on energy efficiency, and can be reached by an 800-number (1-800-642-3281). Efficiency experts of the Division also are available for speaking and other events.

III. PUBLICATIONS

Statewide Plans and Reports (current editions)

Vermont Comprehensive Energy Plan, Vt. DPS, 1997

Vermont Twenty Year Electric Plan, Vt. DPS, 1994

Vermont Ten Year Telecommunications Plan, Vt. DPS, 1996

Vermont State Agency Energy Plan, Vt. Agency of Administration, 1996

Vt. Department of Public Service State Agency Plan, Vt. DPS, 1997

Vt. Department of Public Service Biennial Report, Vt. DPS, 1997

Energy Efficiency Standards for New Residential Construction, Governor's Task Force on Energy Efficiency Standards, 1995

Report to the General Assembly on the Role of the State of Vermont in the Purchase and Sale of Electricity, Vt. DPS, 1993

Proposed Designs & Costs of a 9-1-1 Emergency Calling System for Vt., Vt. DPS, 1994

Radiofrequency Radiation: Health Effects and Interference, Vt. DPS, 1996

Regulation of Wastewater Companies, Vt. DPS, 1994

The Role of the State of Vermont in the Purchase and Sale of Electricity, Vt. DPS, 1993

Shutdown Assessment of the Vermont Yankee Nuclear Power Facility, Vt. DPS, 1988

Wind Generated Electricity: History and Assessment, Vt. DPS, 1994

State of Vermont Energy Emergency Plan, Vt. DPS, 1993

Vermont Greenhouse Gas Emissions Estimates for 1990, Vt. DPS, 1994

Vermont Energy Price Forecast, (Appx. A updated 6/96) Energy Ventures Analysis, 1995

The Consumer Matters, Vt. DPS, 1996

Annual Report of the Lifeline Telephone Program, Vt. DPS, 1996

Vermont Residential Fuelwood Assessment, Vt. DPS, 1996

Vermont State Nuclear Advisory Panel (VSNAP) Annual Reports, Vt. DPS, 1996
 Restructuring the Vermont Electric Industry - Docket 5854: DPS issued a Position Paper 6/96 and thereafter produced additional comments and information.

Energy Efficient Appliances

Consumer Guide to Home Energy Savings, Third Edition, Wilson and Morrill, 1993, book
The Lighting Guide: Your Guide to Energy Efficient Lighting for the Home, Vt. Residential Lighting Programs Group, 1993, booklet
Energy Efficient Lighting, U.S. DOE, 1986, booklet
Identifying Sources of Energy Efficient Lighting Products, U.S. DOE, 1992, fact sheet
Dress up Your Hot Water Heater, Vt. DPS, brochure
What You Should Know About Space Heaters, U.S. Consumer Product Safety Commission, booklet
What You Should Know About Kerosene Heaters, U.S. Consumer Product Safety Commission, 1987, booklet
Appliance Power Usage Chart, Vt. DPS, fact sheet

Energy Efficient Homes

Tips for Energy Savers, U.S. DOE, booklet
12 Easy Ways to Save Energy Dollars at Home, Nevada State Energy Office, booklet
The Vermont Mobile Home Energy Book: Saving Energy Dollars in Your Mobile Home, Vt. DPS, 1995, book
Home Energy Conservation: Siting and Building, Vt. Public Service Board, brochure
Home Energy Audits, U.S. DOE, 1989, booklet
Caulking and Weatherstripping, Alberta Energy Efficiency Branch, 1990, booklet
Insulation, U.S. DOE, booklet
Basement Insulation, Alberta Energy Efficiency Branch, booklet
Energy Efficient Interior Window Treatments, Utah State University, booklet
Shopping for Wood Windows, Wardell, 1994, periodical article
Moisture Control in Homes, U.S. DOE, 1992, booklet

Energy Efficient Schools and Energy Education

Putting Energy into School Construction: A Guide to Energy Efficiency for New and Renovated Schools, Vt. DPS, 1994, book
Energy Education Resources: Kindergarten through 12th Grade, U.S. DOE, 1995, book
Solar Energy: Science Activities in Energy, U.S. DOE, 1991, two booklets
Lyndon Town School, Vt. DPS, brochure

Energy Planning for Municipalities

Guide to Municipal Energy Planning, Vt. DPS, 1993
Improving Energy Efficiency in Vermont's Buildings: A Report to the Legislature, Vt. DPS and Vt. Dept. of Labor and Industry, 1993
Outdoor Lighting Manual for Vermont Municipalities, Chittenden Co. Regional Planning Commission, with support from Vt. DPS and others, 1996

Wood Energy

Vermont Residential Fuelwood Assessment, Tech. Rpt. 33, Vt. DPS, 1996, booklet
Certified Woodstoves, U.S. EPA, 1993, list
Buying a Wood-Burning Appliance, U.S. DOE, 1991, booklet
How to Burn Wood Right, CONEG Policy Research Center, 1992, booklet
Heating with Wood Safely, 1981, brochure

Operating a Wood-Burning Appliance, U.S. DOE, 1989, booklet

Catalytic Woodstoves: Installation, Operation, & Maintenance, U.S. EPA, 1992, booklet

Noncatalytic Woodstoves: Installation, Operation, Maintenance, U.S. EPA, 1992, booklet

Wood-Chip Heating Systems: A Guide for Institutional and Commercial Biomass Installations, Energy Efficiency Associates and Vt. DPS, 1994
Wood Chip Gasifiers, Vt. DPS, 1991, brochure
Wood Chip Suppliers Listing for Schools and Businesses, Vt. ANR, 1993, brochure
Developing Markets for Low Quality Wood: Wood Supply in Bennington County and Surrounding Area, U.S. Forest Service, 1990, book
Biofuels as a Source of Energy, U.S. DOE, 1987, booklet
Wood Fuel Facts, Vt. State Energy Office, 1982, brochure
Chimneys, Vt. DPS, 1983, brochure
Improve your Woodlot by Cutting Firewood, U.S. Forest Service, brochure

Solar Energy

Solar Energy Guide and Business Directory, Vt. DPS, 1993, book
Solar Access: A Winning Strategy, U.S. DOE, 1993, brochure
Sun Solutions, Solar Energy Research and Education Foundation, booklet
Solar Energy and You, U.S. DOE, 1985, fact sheet
Solar Cooking, Texas Energy Extension Service, booklet
Living in the Sun: The story about how Vermonters are using the sun for solar heat, Munson, 1981, booklet
Do-it-Yourself Solar Construction Manual: Thermosiphoning Air Panel, Vt. State Energy Office, booklet
Do-it-Yourself Solar Construction Manual: Build Your own Solar Hot Water Collector, Vt. State Energy Office, booklet

Wind Energy

Wind Generated Electricity: History and Assessment, Vt. DPS, 1994, booklet
Wind Energy: A Resource for the 1990s and Beyond, American Wind Energy Assoc., 1991, article
The Evolving Wind Turbine and Wind Power and the Environment, Electric Power Research Institute, 1993, brochures

Hydropower

Small-Scale Hydropower Systems, U.S. DOE, 1988, booklet
The Duxbury Demonstration Project: A Feasibility Study of a Small Hydroelectric System, Tourin Musica, 1977, booklet

Renewable Energy

Learning About Renewable Energy, U.S. DOE, 1989, booklet
Renewable Energy: An Overview, U.S. DOE, 1990, booklet

Vehicle Energy Use

Model Year 1995: Fuel Economy Guide, U.S. EPA, 1994, booklet
Electric Vehicles: A Little Primer, Atlantic Center for the Environment, 1994, booklet
Electric Vehicles, U.S. DOE, 1994, booklet

Energy Costs

Comparing Heating Fuel Costs, Vt. DPS, brochure
Home Energy Improvement Loan Program, brochure
How to Understand your Utility Bill, U.S. DOE, 1980, booklet

IV. VIDEO CASSETTES

Conservation Education

- The Man who Loved Machines* (Elementary, 9 min.): An animated film about the various forms of energy and the appropriateness of matching energy form to task.
- Go* (Elementary, 10 min.): A video about how energy makes things go, with a closer look at gasoline, wood, water, conservation, and recycling.
- The Race to Save our Earth: Energy and Transportation* (Elementary / Jr. High, 15 min.): A documentary about alternative technology and energy.
- Toast* (Elementary / Jr. High, 12 min.): This film traces the energy intensive processes required to bring a slice of toast to our table.
- Lovins on the Soft Path* (Jr. High / High School, 37 min.): An award-winning film about past and current energy use and how it affects our society. The film focuses on the questions: How much energy do we need? What kind of energy? Where can we get it?
- Forgotten Fundamentals of the Energy Crisis* (Jr. High / High School, 50 min.): This film applies the theory of exponential growth to increasing energy consumption on a finite fuel supply.
- Power to Dream* (Jr. High / High School, 30 min.): The history of energy use in Pennsylvania and how the state is looking ahead to the use of alternative energy.
- Simple Things you can do to Save Energy* (15 min.): Things that can be done around the home to save energy.
- Tomorrow's Energy Today: The Energy Efficiency Option* (26 min.): A video produced by the National Renewable Energy Laboratory on the use of renewable energy.
- How the Waste was Won* (12 min.): A video about solid waste problems and solutions.

Residential Conservation

- Apartments* (17 min.): How to select an apartment, how to look for energy features that will save money, and how to compare energy savings with other apartment expenses.
- Energy Series "3": Energy for Free*: How to save money on your energy bills.
- Energy Series "4": Weatherizing and Insulating and Solar Energy*
- Griffin One House* (contains four programs, each 28 min.): How to build a Griffin One House, an energy efficient home.
- Home Design* (26 min.): A look at several energy efficient homes, and what to look for in landscaping, windows, insulation, and heating systems.
- New Homes* (16 min.): This video teaches how to evaluate site orientation, insulation, windows and doors, and heating systems if you're buying or building a new home.
- Older Homes* (20 min.): How to make a good decision when buying an older home based on the home's past energy expenses, heating system, and construction features.

Appliances

- Cooktops and Cookware* (20 min.): How to recognize energy efficient stoves and to select efficient cookware.
- Kitchen Appliances* (23 min.): Energy efficient features found in refrigerators, dishwashers, cooktops, ranges, and ovens.

Wood Energy

- Are New England's Forests Healthy?* (28 min.): How foresters monitor the forest's health.
- Burn it Right, Burn it Clean* (18 min.): A consumer's guide to heating with wood stoves in the 1990s.
- Doing it Right* (21 min.): A video about proper forestry techniques to supply wood for Vermont's energy demand.
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Heating Schools with Wood Chips (22 min.): How some Vermont schools have switched from electric heat to wood chip heat. (Available in closed captioned version.)

How to Prune a Tree: With an emphasis on energy efficiency, this video shows how to keep Vermont's wood resources healthy.

Wood Chips for Vermont's Industries: A video that highlights how several Vermont businesses use wood chip heating systems.

Solar Energy

Bright Power (12 min.): Learn about the history of solar electricity use and how solar power currently is being harnessed for electricity.

Living in the Sun (two versions: short version for elementary, 25 min.; long version for Jr. High/High School): How passive solar energy is used to heat Vermont homes, with explanations of specific solar technologies.

RSPEC (Reduce Swimming Pool Energy Costs) (12 min.): Economical ways to reduce swimming pool energy costs for heating and operating your pool.

V. FILMS (16 MM)

Energy Proofing your Home (Jr. High / High School / Adult, 10 min.): Explains the principles of saving energy and energy efficient measures to take in the home.

The Hottest Show on Earth (28 min.): Explores the problems of waste, dwindling resources, and finite fossil fuels, with the conclusion that conservation is the most efficient strategy.

The Less you Use, the More you Save (Elementary, 10 min.): An animated film about energy conservation around the home.

Solar Energy: The Great Adventure (28 min.): An introduction to people who have developed their own solar energy systems.

Sunbuilders (20 min.): How to design and construct a solar home.

Wood for Energy: Using a Native Resource (27 min.): Describes modern wood harvesting and wood use systems in use in Vermont.

VI. SLIDE AND TAPE PRESENTATIONS

Energy Efficient Interior Window Treatments (20 min.): Shows how windows lose heat and solutions for the problem.

Heating with Wood Safely (20 min.): Basic information on wood stove installation, proper venting, maintenance, etc.

Permanent Savings (9 min.): A motivational introduction to the success of an energy efficient, retrofitted community house.

Living in the Sun (25 min.)

Vermont Hydropower (12 min.)

Vermont Community Energy Projects (23 min.)
