

## **II. Environmental Policy**

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Course Prerequisites: Graduate Standing

Course Description: This course will examine the policy making process in environmental policy in the United States and the global implications for that policy. Topics to be covered will include air and water policy, energy production and regulation, federal land policy, and problems associated with food and agricultural production. This is a central class for those doing environmental and natural resources policy.

Course Objectives: To familiarize the student with policy and the policy formation process in each of the areas indicated above and to provide students with substantive expertise necessary to analyze environmental policy proposals and the political considerations that produced those proposals and the long and short term consequences of proposals.

My Expectations: I expect that you will do all the reading prior to coming to class, that you will be an active and regular participant in class and online discussions, that you will identify your areas of weakness and independently work to seek out the information you need to strengthen those areas, that you will be curious and inquisitive and that you will work hard. This is a demanding class – although no more demanding as similar classes at the best universities in the country. You will find easier classes or classes where you don't actually have to do the reading. If that sounds attractive to you – then you don't want to be in this class. My environment grad students have enjoyed 100% placement success – because they were 100% prepared for the job market – by being their best. If that sounds good to you then I want to work with you and help you achieve your goals.

### Course Structure and Approach:

There are three – related - writing requirements for the class. The first written assignment is a review essay--in the form of an annotated bibliography--on a subject of your choosing dealing with environmental or natural resources policy. This bibliography should include at least 15 books and articles and should tell the reader what the work is about (the theme etc.) and what sets it apart from other works in the field. These review essays can not be any longer than 7 double spaced pages in length and will be due at various times beginning the second week of class. You are to post your review essay to the class at least 4 days prior to the class session when you will present your essay. Students in the class are to read the essays and comment on the essay in the online platform. The author of the essay will begin his or her presentation by summarizing the comments the other students made to the author about his or her essay.

The second written assignment will be to write a research paper. Paper topics must be approved by me in advance and will be individually tailored to the professional needs of each student. Although it is not required I would expect your review essay to be a part of what becomes your research paper.

Students may choose to write a grant proposal and identify potential sources of funding using

foundation directories and grant data bases. (On a separate sheet identify a minimum of 10 possible funding sources with a sentence or two describing why you think this source would be interested in funding your research.) (Anticipate using the stuff you put into your bibliography for your grant proposal--killing two birds.) Your grant proposal will follow the guidelines you will find in Program Planning and Proposal Writing-Expanded Version available from the Grantsmanship Center. See Publications, Grantsmanship Center, PO BOX 17220, Los Angeles, CA 90017. <http://www.tgci.com> (order code XPP) - there are many excellent publications here.

For your third written assignment students will be required to write and distribute to the class one book review of a book that has been approved by me in advance (taken from the syllabus, ordinarily). This actually should not be a burdensome assignment as I suggest you use books that you also use for the review essay you will write for the class. **Your book reviews should summarize the reading, identify the authors goals and discuss the achievement of those goals, discuss the appropriateness and success of the methodology used, and compare the reading with other works in the field (this is essential if you want an "A" on your review).** Four days prior to the class session during which you will discuss your book review you should post your review in the online discussion board. This is expected to be a professional review and should be of the same quality as you find in professional journals. I will read drafts of your review if you bring them to me during office hours in hard copy double spaced. I can not read drafts of your papers but I will go over your paper outlines. If your objective in the class is to produce a paper that is worthy of publication in a professional journal let me know in advance and we will work toward that goal. Although you will not get additional credit for aiming for publication I will have higher expectations from the students who pursue this option.

Posting bibliographic essays and book reviews. **Everyone in the class is required to read the posted reviews BEFORE coming to class.** Everyone will be tested on this material on the final. The rest of the class is required to read and comment on these posted reviews before coming to the next class session, and the review writer is required to read the questions and comments posted by the other students in the class and make appropriate replies. When the class meets we will discuss the book and article reviews posted for that week.

Grading: Grades will be based on your participation, the final and papers as follows: Written assignments:33.3%; Participation 33.3%; Final Exam: 33.3%

The final exam will cover all the required reading, the review essays produced by the other members of the class and the book reviews written by the other members of the class. I suggest you keep a journal which combines and summarizes all the reading and other materials in the class – students who do this and enter all the material in their journals will have no difficulty doing well on the final.

In addition you are **required to take and read every day the *New York Times***. Each week each of you will post one question from the NYT in the discussion page (there is a place to do this for each week) and each week you will be responsible for answering two questions from those that are posted by other students (make it easy and tell us what paper date and page you get your question from). In addition you are required to COMMENT on the email posting of at LEAST one other student.

Finally reply to people who post comments to your questions. Post questions that deal with regulatory and public administration matters – but also look for questions dealing with articles on the environment and natural resources (as these often involve government and regulations). Taking and reading the NYT daily is a requirement necessary to pass the class.

Books:

*Science in Environmental Policy: The Politics of Objective Advice*, by Ann Campbell Keller (MIT Press, 2009)

*Business and Environmental Policy: Corporate Interests in the American Political System*  
Edited by Michael E. Kraft and Sheldon Kamieniecki, (MIT Press, 2007)

*Toward the Healthy City: People, Places, and the Politics of Urban Planning*, by Jason Corburn, MIT Press 2009.

*Human Footprints on the Global Environment: Threats to Sustainability*  
Edited by Eugene A. Rosa, Andreas Diekmann, Thomas Dietz and Carlo C. Jaeger, MIT Press 2009.

*ENVIRONMENTAL POLITICS AND POLICY IN THE WEST*, by Zachary A. Smith and John Freemuth (Editors) University Press of Colorado (2007).

*Global Environmental Politics* (5<sup>th</sup> edition) by Pamela S. Chasek, et. Al., 2010 Westview Press

*The New Environmental Regulation* by Daniel J. Fiorino, MIT Press, September 2006 (PAPER)

*Democracy's Dilemma: Environment, Social Equity, and the Global Economy*, by Robert C. Paehlke, MIT Press October 2004 (PAPER)

Zachary A. Smith, *The Environmental Policy Paradox*, 5<sup>th</sup> edition, Prentice Hall, 2009

*Global Spin: The Corporate Assault on Environmentalism*  
by Sharon Beder 1998, Chelsea Green Publishing, chapter 1 and 2

*The Path to Power* by Robert A. Caro Vintage Press, Vintage; Reissue edition (February 17, 1990) Chapter 22 “The Sad Irons” pp. 502-515.

Environmental And Natural Resource Economics: A Contemporary Approach. (Harris 2005 Env1 and Nat Res Econs)

*Valuing the Earth: Economics Ecology, and Ethics*, Harman E. Daly and Kenneth N. Townsend (editors), MIT Press 1993. Chapters 2, 3, & 17

*Command of the Waters : Iron Triangles, Federal Water Development, and Indian Water*  
Daniel McCool University of Arizona Press, 1994. Chapter 8 (Indian Implementation)

Stone, Christopher, 'Should Trees Have Standing? Toward Legal Rights for Natural Objects,' 45 *S. Cal. L. Rev.* 450 (1972)

Sinsheimer, Robert, 1978. "The Presumptions of Science". *Daedalus* (107:2), pp. 23-36.

Daly, H. "Sustainable Growth: An Impossibility Theorem." In *Development*, 3/4 (1990): 45-47.

Harden, Garrett, 1968, "The Tragedy of the Commons", *Science*, 162: 1243-8.

Daly, H. E., and J. B. Cobb, Jr. 1989. *For the Common Good: Redirecting the Economy toward Community, the Environment and a Sustainable Future*. (pp. 35-43) Boston: Beacon Press

*The National Environmental Policy Act: Judicial Misconstruction, Legislative Indifference & Executive Neglect*, Matt Lindstrom and Zachary A. Smith, (College Station, TX: Texas A & M University Press, 2001). Chapters 1 and 7.

You will present your research papers the last two weeks of class. Papers are due on the day you give your presentation – usually the last day of class. Post them early if possible.

I strongly suggest you outline your reading. That will improve your discussion performance as well as assist you when preparing for the exam at the end of the semester.

The discussions in the seminar will be conducted by the students themselves under the guidance of the instructor. This will be done in several ways. Each week one or two students will be given responsibility for leading the discussion of the reading for that week -- they will be responsible for preparing discussion questions to be used in class. In addition the students responsible for that week's assignments will post two discussion questions in the online forum (these questions will begin the week before we discuss the given reading and will be different questions from those introduced in class). All students are responsible for answering the general questions posted in the online forum. In addition each student is responsible for commenting on the answers to questions provided by at least one other student -- again by posting your evaluation of your fellow student's response to all members of the class in the forum. This isn't as difficult as it sounds. If I am the leader that week I post two questions (not ones I will be using in class later). You answer them. After several class members have posted their answers you read them all and pick one to respond, comment, praise, evaluate on and post that comment to the class members.)

Weekly reading assignments.

**Week One:**

*The Path to Power* by Robert A. Caro Vintage Press, Vintage; Reissue edition (February 17, 1990) Chapter 22 “The Sad Irons” pp. 502-515. and Zachary A. Smith, *The Environmental Policy Paradox*, 5<sup>th</sup> edition, Prentice Hall, 2009, Part One and Appendix A (policy models).

**Week Two:**

Daly, H. E., and J. B. Cobb, Jr. 1989. *For the Common Good: Redirecting the Economy toward Community, the Environment and a Sustainable Future*. (pp. 35-43) Boston: Beacon Press; Sinsheimer, Robert, 1978. “The Presumptions of Science”. *Daedalus* (107:2), pp. 23-36.; Valuing the Earth: Economics Ecology, and Ethics, Harman E. Daly and Kenneth N. Townsend (editors), MIT Press 1993. Chapters 2, 3, & 17; Daly, H. "Sustainable Growth: An Impossibility Theorem." In *Development*, 3/4 (1990): 45-47.; Harden, Garrett, 1968, “The Tragedy of the Commons”, *Science*, 162: 1243-8.; Stone, Christopher, 'Should Trees Have Standing? Toward Legal Rights for Natural Objects,' 45 *S. Cal. L. Rev.* 450 (1972).

**Week Three:**

*Business and Environmental Policy: Corporate Interests in the American Political System* Edited by Michael E. Kraft and Sheldon Kamieniecki, (MIT Press, 2007); *Global Spin: The Corporate Assault on Environmentalism* by Sharon Beder 1998, Chelsea Green Publishing, chapter 1 and 2.

**Week Four:**

Zachary A. Smith, *The Environmental Policy Paradox*, 4<sup>th</sup> edition, Prentice Hall, 2004, Part Two.; *The National Environmental Policy Act: Judicial Misconstruction, Legislative Indifference & Executive Neglect*, Matt Lindstrom and Zachary A. Smith, (College Station, TX: Texas A & M University Press, 2001). Chapters 1 and 7.

**Week Five:**

*The New Environmental Regulation* by Daniel J. Fiorino, MIT Press, September 2006

**Week Six:**

*ENVIRONMENTAL POLITICS AND POLICY IN THE WEST*, by Zachary A. Smith and John Freemuth (Editors) University Press of Colorado (2007).

**Week Seven:**

*Science in Environmental Policy: The Politics of Objective Advice*, by Ann Campbell Keller (MIT Press, 2009)

**Week Eight:**

*An Introduction to Ecological Economics (e-book)* by Authors: Robert Costanza, John H. Cumberland, Herman Daly, Robert Goodland, Richard B. Norgaard, Chapter3 - which you will find here:

[http://www.eoearth.org/article/An\\_Introduction\\_to\\_Ecological\\_Economics:\\_Chapter\\_3](http://www.eoearth.org/article/An_Introduction_to_Ecological_Economics:_Chapter_3)  
AND *ECOLOGICAL ECONOMICS* (paper) by Stephen Farber and Dennis Bradley (available on line here: <http://www.fs.fed.us/eco/s21pre.htm>)

**Week Nine:**

*Toward the Healthy City: People, Places, and the Politics of Urban Planning*, by Jason Corburn, MIT Press 2009.

**Week Ten:**

*King of California: J.G. Boswell and the Making of a Secret American Empire* by Mark Arax and Rick Wartzman (2005 Perseus Publishing); *Command of the Waters : Iron Triangles, Federal Water Development, and Indian Water*, by Daniel McCool University of Arizona Press, 1994. Chapter 8 (Indian Implementation); and *Cadillac Desert* by Marc Reisner, Chapters 7 and 10.

**Week Eleven:**

*Human Footprints on the Global Environment: Threats to Sustainability*  
Edited by Eugene A. Rosa, Andreas Diekmann, Thomas Dietz and Carlo C. Jaeger, MIT Press 2009.

**Week Twelve:**

*Global Environmental Politics* (5<sup>th</sup> edition) by Pamela S. Chasek, et. Al.

**Week Thirteen:**

*Democracy's Dilemma: Environment, Social Equity, and the Global Economy*, by Robert C. Paehlke, MIT Press October 2004.

**Week Fourteen:** paper Presentations and exam

***The following readings have been compiled for your convenience and as a starting point for your book and other reviews. This is not a required reading list.***

I. The Policy Environment in Environmental Policy

- actors, incentives, history and the policy process

Catherine Albanese, Nature Religion in America: From the Algonkian Indians to the New Age (Chicago: University of Chicago Press, 1990).

Anderson, Terry and Donald L. Leal, Free Market Environmentalism, (Pacific Research Institute, 1991).

Bacot, A. Hunter, et.al. "A Preliminary Analysis Of Environmental Management In The United States" Public administration quarterly Winter 1996 v 19 n 4 p.389

William J. Baumol & Wallace E. Oates. The Theory of Environmental Policy. Cambridge, UK: Cambridge University Press, 1988.

Bennett, Olivia, Greenwar: Environment and Conflict, (Panos Institutie, 1991.)

Bilsky, L. J., Historical Ecology: Essays on Environment and Social Change (Port Washington, NY: Kennikat Press, 1980).

Bramwell, A., Ecology in the 20th Century: A History (New Haven, Ct.: Yale University Press, 1989).

Christopher J. Bosso, Pesticides and Politics, (Pittsburgh: University of Pittsburgh Press, 1987).

Lynton K. Caldwell, "Environmental Impact Analysis: Origins, Evolutions, and Future Direction," Policy Studies Review, Vol. 8, No. 1 (Autumn 1988), pp. 75-83.

Lynton Keith Caldwell, The National Environmental Policy Act: An Agenda for the Future ISBN: 0253334446 (Indiana University Press, December 1998).

William Cronon (Editor) Uncommon Ground: Toward Reinventing Nature ISBN: 0641003846 (Norton, Ww September 1995).

Dunlap, T., Scientists, Citizens, and Public Policy (Princeton, N.J.: Princeton University Press, 1981).

Robert F. Durant, When Government Regulates Itself, (Knoxville: The University of Tennessee Press, 1985).

George C. Eads and Michael Fix, Relief or Reform, (Washington, D.C.: The Urban Institute Press, 1984).

Barbara Epstein, Political Protest and Cultural Revolution: Nonviolent Direct Action in the 1970s and 1980s (Berkeley: University of California Press, 1991).

Christopher H. Foreman, The Promise and Peril of Environmental Justice ISBN: 0815728786 (Brookings Institution Press; July 1998).

Stephen Fox (John Muir and His Legacy: The American Conservation Movement [Boston: Little, Brown, 1981]).

Gans, Herbert J., Deciding What's News: A Study of CBS Evening News, NBC Nightly News, Newsweek, and Time. NY: Vintage Books, Division of Random House, 1980.

Goudie, A., The Human Impact on the Natural Environment (Cambridge, Ma: MIT Press, 1986).

Graham, J. D., ed., Harnessing Science for Environmental Regulation (New York: Praeger, 1991).

Greve, Michael S., and Fred L. Smith, Environmental Politics, (Praeger Publishers, 1992.)

Thomas More Hoban and Richard Oliver Brooks, Green Justice: The Environment and the Courts, (Boulder: Westview, 1987).

Hadden, S. G., A Citizens Right to Know: Risk Communication and Public Policy (Boulder, CO.: Westview, 1989).

Hammitt, James, Probability is All we Have: Uncertainties, Delays, and Environmental Policy Making ( New York: Garland Publishing, 1990).

Herman, Edward S., Beyond Hypocrisy: Decoding the News in an Age of Propaganda, Boston, MA: South End Press, 1992.

Huth, H., Nature and the American: Three Centuries of Changing Attitudes (Lincoln: University of Nebraska Press, 1972).

Lacey, M. J., ed., Government and Environmental Politics :Essays on Historical Developments Since World War Two (Baltimore, Maryland: Johns Hopkins University Press, 1991).

Landy, M. and M. Roberts and S. Thomas, The Environmental Protection Agency: Asking the Wrong Questions (New York: Oxford University Press, 1990).

Jonathan Lash, Katherine Gillman, and David Sheridan, A Season of Spoils, (New York: Pantheon Books, 1984). (Early critique of Reagan administration.)

Philip Lowe and Jane Goyder, Environmental Groups in Politics (George Allen and Unwin, 1983), p. 15.

Luten, D. B., "Ecological Optimism in the Social Sciences," American Behavioral Scientist Vol. 24 (September/October) 1980, pp. 125-152.

Christopher Manes, Green Rage: Radical Environmentalism and the Unmaking of Civilization (Boston: Little, Brown, 1990).



Dean E. Mann, ed., Environmental Policy Formation, (Lexington: D. C. Heath and Company, 1981).

Richard D. Morgenstern, ed. Economic analyses at EPA: assessing regulatory impact. Resources For The Future. 1997.

Roderick Nash, ed., Environment and Americans, (New York: Holt, Rinehart and Winston, 1972).

Roderick F. Nash, American Environmentalism: Readings in the History of Conservation, (New York: McGraw-Hill, Inc., 1990).

Odum, H. T., Environment, Power, and Society (New York: Wiley-Interscience, 1971).

Paehlke, Robert and Douglas Torgerson, eds., Managing Leviathan: Environmental Politics and the Administrative State (Peterborough, Ontario: Broadview, 1990).

Paehlke, Robert, Environmentalism and the Future of Progressive Politics (New Haven: Yale University Press, 1989).

Passmore, J., Man's Responsibility for Nature: Ecological Problems and Western Traditions (New York: Charles Scribners' Sons, 1974).

Mark R. Powell, Science at EPA: Information in the Regulatory Process ISBN: 1891853007 (Resources for the Future, September 1999).

Paul R. Portney and Robert N. Stavins. eds. Public Policies for Environmental Protection. Washington, DC: Resources for the Future, 2000.

Susan Rose-Ackerman, Controlling environmental policy : the limits of public law in Germany and the United States (New Haven : Yale University Press, 1995).

Jerome C. Rose, ed., Legal Foundations of Environmental Planning, (New Brunswick: Center for Urban Policy Research, 1974).

Scarce, R., Eco-Warriors: Understanding the Radical Environmental Movement (Chicago: Noble Press, 1990).

Victor Scheffer, The Shaping of Environmentalism in America (Seattle: University of Washington Press, 1991).

Thomas Schoenbaum and Ronald Rosenberg, Environmental Policy Law, 2nd. ed. (Westbury, NY.: Foundation Press, 1991), ch. 5.

V. Kerry Smith, ed., Scarcity and Growth Reconsidered, (Washington, D. C.: Resources for the Future, 1979).

V. Kerry Smith, "A Theoretical Analysis of the Green Lobby," American Political Science Review 79 (1984), pp. 137-47.

Zachary Smith, "Management Options During Periods of Fiscal Constraint: Mobilizing Interest Groups" in Policy Studies Review, Vol. 7 No. 2 (November 1987).

Thomas Sterner. Policy Instruments for Environmental and Natural Resource Management. Washington, DC: Resources for the Future, 2003.

Christopher D. Stone, Should Trees Have Legal Standing, (Los Altos: William Kaufmann, Inc., 1974)

Douglas Strong, Dreamers and Defenders: American Conservationists (Lincoln: University of Nebraska Press, 1988).

Serge Taylor, Making Bureaucracies Think, (Stanford: Stanford University Press, 1984).

Tolba, M.K., Saving Our Planet, (Chapman and Hall, 1992).

Trzyna, Thaddeus, World Directory of Environmental Organizations, (California Institute of Public Affairs, the Sierra Club, and the International Union for Conservation of Nature and Natural Resources, 1992).

Vayda, A. P., ed. Environment and Cultural Behavior: Ecological Studies in Cultural Anthropology (Garden City, N.Y.: Natural History Press).

Weiner, D. R., Models of Nature: Conservation, Ecology, and Cultural Revolution (Bloomington: Indiana University Press, 1988).

Lettie Wenner, One Environment Under Law (Pacific Palisades, CA: Goodyear, 1976), Chs. 4 and 5.

Wise, Charles and Rosemary O'Leary, "Intergovernmental Relations and Federalism in Environmental Management and Policy: The Role of the Courts" Public administration review MAR 01 1997 v 57 n 2 p.150

Worster, D., ed., The Ends of Earth: Peerspectives on Modern Environmental History (New York: Cambridge University Press, 1988).

Bruce Yandle, The Political Limits of Environmental Regulations, (New York: Quorum Books, 1989).

Yearley, Steven, The Green Case, (Unwin Hyman Academic, 1991).

Oran R. Young, Natural Resources and the State, (Berkeley: University of California Press, 1981).

## II. Ecology and Common Pool Resource Management Problems

[the common pool problem and implications for environmental policy. Models of environmental control (e.g. markets vs. control and command enforcement) and the relationship between ecology, economics and environmental policy.]

Bennett, J. W., The Ecological Transition: Cultural Anthropology and Human Adaptation (Elmsford, N.Y.: Pergamon, 1976).

Kenneth Boulding, "Economics as a Moral Science", Vol. 59 American Economic Review (March 1969).

Kenneth Boulding, "The Economics of the Coming Spaceship Earth", in Herman Daly, Economics, Ecology, Ethics also in Environmental Quality in a Growing Economy, (Johns Hopkins, 1966).

Bromley, Daniel W., Making the Commons Work, (ICS Press, 1992).

Butzer, K. W., Early Hydraulic Civilization in Egypt: A Study in Cultural Ecology (Chicago: University of Chicago Press, 1976).

Cairncross, Frances, Costing the Earth, (Harvard Business School Press, 1992).

Costanza, Robert, Ecological Economics, (Columbia University Press, 1991).

Daly, H.E. and J. Cobb, For the Common Good: Redirecting the Economy Toward the Community the Environment and a Sustainable Future (Boston: Beacon Press, 1989).

Bill Devall and George Sessions, Deep Ecology: Living as if Nature Mattered ISBN: 0879052473 (Gibbs Smith: November 1986).

Robert Dorfman and Nancy S. Dorfman, eds., Economics of the Environment, (New York: W. W. Norton and Company, Inc., 1972).

Paul B. Downing, Environmental Economics and Policy, (Boston: Little, Brown and Company, 1984).

Fosberg, F. R., ed. Man's Place in the Island Ecosystem (Honolulu: Bishop Museum, 1963).

A. Myrick Freeman III, Robert H. Haveman and Allen V. Kneese, The Economics of Environmental Policy, (New York: John Wiley and Sons, Inc., 1973).

Gaskins, R. H., Environmental Accidents: Personal Injury and Public Responsibility (Philadelphia: Temple University Press, 1989).

Geertz, C., Agricultural Involution: The Process of Ecological Change in Indonesia (Berkeley and Los Angeles: University of California Press, 1971).

David Goetze, "Identifying Appropriate Institutions for Efficient use of Common Pools," Natural Resources Journal, Vol. 27, No. 1, (Winter 1987), pp. 187-200.

Kent Gilbreath, ed., Business and the Environment, (Washington, D.C.: The Conservation Foundation, 1984).

Hall Ross Hulme, Health and the Global Environment, (Polity Press, 1990).

Hahn, R. and G. Hester, "Marketable Permits: Lessons for Theory and Practice," Ecology Law Quarterly Vol. 16 (1989), pp. 361-406.

Ann L. Hiskes and Richard P. Hiskes, Science, Technology, and Policy Decisions, (Boulder: Westview Press, 1986).

Charles Howe, "A Project Benefits and Costs from National and Regional Viewpoints," Natural Resources Journal, Vol. 27, No., (Winter 1987), pp. 5-20.

Johnston, R.J., Environmental Problems: Nature, Economy, and State, (Bellhaven Press, 1989).

MacNeill, Jim, Beyond Interdependence, The Meshing of the World's Economy and the Earth's Ecology, (Institute for Research on Public Policy, 1991).

Martinez-Alier, J., Ecological Economics: Energy, Environment, and Society (New York: Basil Blackwell, 1987).

McNeil, W. H., The Human Condition: An Ecological Perspective (Princeton, N.J.: Princeton University Press, 1980).

Mulvaney, D. J. and J. Golson, eds., Aboriginal Man and the Environment (Canberra: Australian National University Press, 1971).

Olwig, Kenneth, Nature's Ideological Landscape (London: George Allen and Unwin, 1984).

William Ophuls, Ecology and the Politics of Scarcity, (San Francisco: W. H. Freeman and Company, 1977).

Ostrom, Elinor, Governing the Commons: The Evolution of Institutions for Collective Action New York: Cambridge University Press, 1991).

Powell, J. M., Environmental Management in Australia, 1788-1914 (Melbourne: Oxford University Press, 1976).

Rees, Judith, Natural Resources: Allocation, Economics and Policy (Routledge, 1990).

Nicholas Georgescu-Roegen, "The Entropy Law and the Economic Problem", in Herman Daly, Economics, Ecology, Ethics.

Mark Sagoff, "Economic Theory and Environmental Law", Vol. 79 Michigan Law Review (June 1981).

Schramm, Gunther, and Warford, Jeremy J., eds. Environmental Management and Economic Development (Baltimore and London: Johns Hopkins University Press, 1989).

Paul Shepard, Man in the Landscape (College Station: Texas A&M Press, 1991).

Robert Sinsheimer, "The Presumptions of Science", in Herman Daly, Economics, Ecology, Ethics

Taylor, P. W., Respect for Nature: A Theory of Environmental Ethics (Princeton, N.J.: Princeton University Press, 1986).

John Verger, Restoring the Earth (New York: Alfred Knopf, 1985).

Walter Westman, "How Much are Nature's Services Worth", Science, Vol. 197. (Sept. 2, 1977), pp. 961-964.

Wilkinson, R. G., Poverty and Progress: An Ecological Perspective on Economic Development (New York: Praeger, 1973).

### III. Energy Policy

Dudley J. Burton, The Governance of Energy, (New York: Praeger Publishers, 1980).

Campbell, Heather E. "The Politics of Requesting: Strategic Behavior and Public Utility Regulation" Journal of policy analysis and management Summer 1996 v 15 n 3 p.395

Bruce Clary and Michael Kraft, "Impact Assessment and Policy Failure: The Nuclear Waste Policy Act of 1982," Policy Studies Review, Vol 8, No. 1 (Autumn 1988), pp. 105-115.

Congressional Quarterly, Energy Issues, (USA: Congressional Quarterly, Inc., 1982).

Congressional Quarterly, Energy & Environment, (Washington, D. C.: Congressional Quarterly, 1985).

Copp, E. A., Regulating Competition in Oil: Government in the U.S. Refining Industry 1948-1975 (College Station: Texas A & M University Press, 1976).

Joel Darmstadter, Hans H. Landsberg, Herbert C. Morton with Michael CJ. Coda, Energy Today and Tomorrow, (Englewood Cliffs: Prentice Hall, 1983).

David Howard Davis, Energy Politics, (New York: St. Martin's Press, 1982).

Martin D. Ecker, M. D., and Norton J. Bramesco, Radiation, (New York: Random House, 1981).

"Energy" in The Conservation Foundation, State of the Environment: A View Toward the Nineties, (Washington, D.C.: Conservation Foundation, 1987), pp. 234-256.

Daniel Ford, The Cult of the Atom, (New York: Simon and Schuster, 1984).

Philip L. Fradkin, Fallout: An American Nuclear Tragedy, (Tucson: University of Arizona Press, 1989). (Colorado Plateau experience)

John Gever, et. al., Beyond Oil

Louis J. Goodman and Ralph N. Love, eds., Biomass Energy Projects, (New York: Pergamon Press, 1981). (Pacific rim case studies.)

Grubb, Michael, et al., Energy Policies and the Greenhouse Effect, vol. 2, (Dartmouth Publisher, 1991).

Hazel Henderson, The Politics of the Solar Age, (Garden City: Anchor Press/Doubleday, 1981).

Krause, Florintin, et al., Energy Policy in the Greenhouse, (New York: Wiley, 1991).

Medvedev, Grigori, The Truth About Chernobyl (Basic Books, 1991).

Medvedev, Zhores, The Legacy of Chernobyl (Norton Publishers, 1990).

C. H. Montange, "Federal Nuclear Waste Disposal Policy," Natural Resources Journal, Vol 27, No. 2, (Spring 1987), pp. 309-408.

Nash, G. D., U.S. Oil Policy 1890-1964 (Pittsburgh, Pa.: University of Pittsburgh Press, 1968).

Park, Chris C., Chernobyl, the Long Shadow (New York: Routledge, Chapman & Hall, 1989).

Pietro S. Nivola, The Politics of Energy Conservation, (Washington, D. C.: The Brookings Institute, 1986).

Raye C. Ringholz, Uranium Frenzy: Boom and Bust on the Colorado Plateau, (New York: W.W. Norton, 1989).

Gerry Riposa, "After Reagan's Deregulation: State Federal Conflict Over Energy Policy," Policy Studies Reviews, Vol. 8, No. 1, (Autumn 1988), pp. 36-54.

Rister, C. C., Oil: Titan of the Southwest (Norman: University of Oklahoma Press, 1949).

Walter A. Rosenbaum, Energy, Politics and Public Policy, Washington, D. C.: Congressional Quarterly, Inc., 1981).

Sampson, A., The Seven Sisters: The Great oil Companies and the World They Have Shaped (New York: Viking Press, 1975).

Vaclav Smil. Energy at the Crossroads. Cambridge: MIT Press, 2003.

Smith, D. A., Mining America: The Industry and the Environment, 1800-1980 (Lawrence: University of Kansas Press, 1980).

Richard Stoffle and Michael Evans, "American Indians and Nuclear Waste Storage: The Debate at Yucca Mountain, Nevada," Policy Studies Journal, Vol. 16, No. 4, (Summer 1988), pp. 751-767.

Richard Sylves, "Nuclear Power Plants and Emergency Planning", Public Administration Review, Sept/Oct 1984, p. 393.

Robert Stobaugh and Daniel Yergin, eds., Energy Future, (New York: Vintage Books, 1983).

Tyner, W. E. and Kalter, R. J., Western Coal: Promise or Problem (Lexington, Ma: Lexington Books, 1978).

Vietor, R. H. K., Environmental Politics and the Coal Coalition (College Station: Texas A & M University Press, 1980).

Westing, Arthur H., ed. Environmental Hazards of War: Releasing Dangerous Forces in an Industrialized World (Newbury Park, CA: Sage Publications, 1990).

Williamson, H. F., R. L. Andreano, A. R. Daum and G. C. Klose, The American Petroleum Industry (Evanston: University of Illinois Press, 1959-1963).

Dorothy Zinberg, ed., Uncertain Power, (New York: Pergamon Press, Inc., 1983).

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