

Reading Course for Renewable Energy Policy and Politics**Instructor:**

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Topics: Community wind; remote wind energy applications; remote hybrid energy systems; renewable energy policy; renewable energy markets

Course Description:

This course aims to connect the technical progress of renewable energy with the political and policy aspects for moving a technology to market or adapting a technology for a given policy. The technical engineering background thirsts for an understanding of how to move technology to market, how to overcome political barriers and how to develop amiable policies to advance renewable energy technology, especially for remote or rural communities or communities suppressed by poverty. The advantage of a technical background in policy decision making is the understanding of the capacity and needs of the technology to be a success in a given community. The advantage of learning about the political aspects in policy making will allow for more technically-sound policies to be developed that have more beneficial attributes for the communities involved, rather than a policy written without a solid technical understanding of the needs and impacts of a technology on a community.

Course Objectives:

1. Read the reading list according to schedule.
2. Review 5 papers from the proposed reading list.
3. Submit 3 reports, one at the end of each month, on the topics read in the text book and the papers covered in that time; each report is to be an escalating part of the final journal paper.
4. Co-author a final paper with Dr. Shirley Thompson for journal submission at the end of the course.

Course Format:

The course will consist of working on projects (text book & research paper reviews; monthly reports, final journal paper). Discussions will result from the reading material and its potential for informing the content and direction of the projects.

Evaluation: Five assignments will constitute 100 percent of the course mark: These involve:

- 1) Abstract (15 %)
- 2) Journal Paper Outline (15 %)
- 3) Journal Paper Draft (15 %)
- 4) Final Journal Paper (55 %)

Course Text: Renewable Energy Policy & Politics: A Handbook for Decision Making, by Karl Mallon

Reading List (we will select from these references based on interest and requirements of projects):

Author	Year	Title	Affiliation	Publisher	Date	Publication
Miller, P.	2006	A dam shame: Province is squandering its hydro wealth by charging below-market rates	Winnipeg Free Press Journalist	WFP	26-Nov-06	Winnipeg Free Press
United Nations Environment Programme and International Energy Agency	2007	Analysing our energy future: some pointer for policy-makers	UNEP & IEA	UNEP & IEA	1-Apr-07	UNEP & IEA
National Energy Board of Canada	2007	Canada's Energy Future: reference case and scenarios to 2030 (an energy market assessment)	NEBC	NEBC	1-Nov-07	NEBC
Miller, P., Weiss, S., Taylor, A., McCulloch, M.	2006	Bringing ecological economics into the regulatory process: the Manitoba experience	Philosophy and centre for forest interdisciplinary research (C-FIR)	Inderscience Enterprises Ltd.	2006	Int. J. Environment, Workplace and Employment, Vol.2, Nos 2/3, 2006
Zia, H., Devadas, V.	2007	Energy management in Lucknow city	Dpt of architecture and planning, Indian institute of technology-roorkee, district Haridwar, Uttarakhand State 247 667, India	Elsevier	15-May-06	Energy Policy 35 (2007) 4847-4868
Tonn, B., Peretz, J.H.	2007	State-level benefits of energy efficiency	Environmental sciences division, oak ridge national laboratory, building 1505, MS-6038, Oak Ridge, TN 37831, USA, University of Tennessee, Knoxville, TN, USA	Elsevier	25-Aug-06	Energy Policy 35 (2007) 3665-3674
Boardman, B., Palmer, J.	2007	Electricity disclosure: the troubled birth of a new policy	Environmental Change Institute, Oxford University Centre for the Environment, South Parks Road, Oxford OX1 3QY, UK	Elsevier	6-Apr-07	Energy Policy 35 (2007) 4947-4958
Shimada, K., Tanaka, Y., Gomi, K., Matsuoka, Y.	2007	Developing a long-term local society design methodology towards a low-carbon economy: an application to Shinga Prefecture in Japan	Faculty of Economics, Ritsumeikan University, 1-1-1 Nojihigashi, Kusatsu, Shiga 525-8577, Japan	Elsevier	27-Mar-07	Energy Policy 35 (2007) 4688-4703
Purohit, P., Michaelowa, A.	2007	CDM potential of bagasse cogeneration in India	Research Programme on International Climate Policy, Hamburg Institute of International Economics, Nuer Jungfernstieg 21, D-20347 Hamburg, Germany	Elsevier	29-Mar-07	Energy Policy 35 (2007) 4779-4798
Drake, B., Hubacek, K.	2007	What to expect from a greater geographic dispersion of wind farms?-- a risk portfolio approach	University of Leeds, School of Earth and Environment, Sustainability Research Institute, Leeds LS29JT, UK	Elsevier	26-Jan-07	Energy Policy 35 (2007) 3999-4008
Byrne, J., Zhou, A., Shen, B., Hughes, K.	2007	Evaluating the potential of small-scale renewable energy options to meet rural livelihoods needs: A GIS- and lifecycle cost-based assessment of Western China's options	Center for Energy and Environmental Policy, University of Delaware, Newark, DE 19716, USA	Elsevier	14-Feb-07	Energy Policy 35 (2007) 4391-4401
Graus, W.H.J., Voogt, M., Worrell, E.	2007	International comparison of energy efficiency of fossil power generation	Energy and Climate Strategies, Ecofys Netherlands BV, Kanaalweg 16-G, 3526 KL Utrecht, Netherlands	Elsevier	16-Jan-07	Energy Policy 35 (2007) 3936-3951
Lee, S.K., Yoon, Y.J., Kim, J.W.	2006	A study on making a long-term improvement in the national energy efficiency and GHG control plans by the AHP approach	R&D Policy Research Center, Korea Institute of Energy Research, 71-2, Jang-dong, Yuseong-gu, Daejeon 305-343, Republic of Korea	Elsevier	27-Sep-06	Energy Policy 35 (2007) 2862-2868

Week	Date	Chapters	Paper	Deliverables
1	Sept . 1-5	1, 2	#1 – read	
2	Sept. 12	3		
3	Sept . 19	4	#2 – read	
4	Sept . 26	5		
5	Oct. 3			Submit Abstract for journal paper and introduction
6	Oct. 10	6	#3 – read	
7	Oct. 17	7		
8	Oct. 24	8	#4 – read	
9	Oct. 31	9		
10	Nov. 7			Submit outline for journal paper.
11	Nov. 14	10	#5 – read	
12	Nov. 21	11		
13	Nov. 28			Submit draft journal article number 1
14	Dec. 5	Submit Draft journal paper version 2		
15	Dec. 13			
16	Dec. 21			Submit Final Journal Paper