

**Environmental Innovation Practicum – Fall Quarter 2010**

**Cross-listed: ENTRE 490/579, ENGR 498, ENVIR 450**

**Mondays 4:00 - 5:50 pm, Denny Hall 216 - 2 credits**

Instructor: Emer Dooley ([emer@u.washington.edu](mailto:emer@u.washington.edu))

Date	Topic	Speaker
October 5	<b>30,000 ft View:</b> Rogers' slide on priorities. Environmental Challenges relating to energy on global, continental, regional, local scales. <a href="#">Major sources and Uses of Energy in the USA</a>	<a href="#">Ash Awad</a> , McKinstry
October 12	<b>Conservation</b>	Greg Whiting, Manager, Conservation, Seattle City Light.
October 19	<b>Efficiency</b> A 2009 study on energy efficiency from the consulting firm McKinsey found that the United States could save \$1.2 trillion through 2020, by investing \$520 billion in improvements like sealing leaky building ducts and replacing inefficient household appliances with new, energy-saving models.	<a href="#">Rob Bernard</a> , Chief Environmental Strategist Microsoft
October 26	<b>Infrastructure Smart Grid</b> <ul style="list-style-type: none"> <li>• The Department of Energy's Office of Electricity (OE) provides <a href="#">The Smart Grid: An Introduction</a>, a very accessible and useful introduction</li> <li>• The Department of Energy's <a href="#">Electricity Advisory Committee</a> (EAC) has prepared a report titled <a href="#">Smart Grid: Enabler of the New Energy Economy</a></li> </ul>	Dave Kaplan, Ex-CEO V2Green and Steve Klein, Snohomish PUD
November 2	<b>Energy entrepreneurs in Seattle: Efficiency and Storage.</b> Economics; Companies in the space. Seattle is a hotbed of Cleantech startups. Come listen to two of the best. Jeremy Jaech, founder of Aldus and Visio is now leading Verdiem. Rick Luebbe just secured \$21.3M in stimulus money to develop untracapacitors.	Byron McCann, NW Energy Angels and <a href="#">Jeremy Jaech</a> , CEO, Verdiem <a href="#">Rick Luebbe</a> , CEO, EnerG2
November 9	<b>Project Day.</b> Students pitch ideas. Outsider panel does no criticism, but suggests contacts, avenues to pursue, resources etc.	Executives from McKinstry, City Light, Evolution Capital, General BioDiesel , Siemens
November 16	<b>Resources:</b> Entrepreneurial and Funding Environment for clean energy. Sources of Funds (Gov't, Stimulus, Angel/VC) - the deeper consumer/incentive problem. Lack of a market mechanism to get money back.	<a href="#">Kirk Von Alstyne</a> and <a href="#">Rick Le Faivre</a> from OVP confirmed. Stimulus money: Daniel Malarkey
November 23	<b>What's the UW doing in the space?</b> Bioenergy, fuel cells, photovoltaics, tidal, wind, microscale.....the list is endless. Rad Roberts leads the <a href="#">UW CLEAN initiative</a>	Rad Roberts of UW CLEAN initiative with UW researchers.
November 30	<b>Renewables</b>	<a href="#">Yale Wong</a> at General Biodiesel. <a href="#">Kelly Ogilvie</a> , Blue Marble <a href="#">Ahava Amen</a> New Earth.
December 7	Call to action...	Dana Soukup, NW Zone Manager, Siemens.