

# WAYNE LEIGHTY

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## EDUCATION

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University of California, Davis (GPA: 3.98)	2006 – 2010
<b>MBA</b> , Graduate School of Management	2010
<b>Ph.D.</b> , Sustainable Transportation Energy Program	2010
<b>M.S.</b> Transportation Technology and Policy	2008
<b>M.S.</b> Agricultural and Resource Economics	2008
Brown University, Providence, RI (GPA: 3.95)	1997 – 2001
<b>B.S.</b> Environmental Science	
<b>B.A.</b> Economics	
Whitman College, Walla Walla, WA	Spring 1999
National Outdoor Leadership School (NOLS)	Spring 1997
Geothe German Language Institute, Freiburg, Germany	Fall 1996
Juneau-Douglas High School, Juneau, Alaska	1992 - 1996

## EXPERIENCE

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<b>Chief of Staff</b> , Alaska State Senator Gretchen Guess, Juneau, Alaska	2003 – 2006
<i>Major Successes</i>	
<ul style="list-style-type: none"><li>• Collaborated with a small team to analyze a \$25 billion natural gas pipeline contract and advise legislators on the decision to continue negotiations for a better contract</li><li>• Served as key advisor to the Senator on major changes to oil and gas tax laws passed in 2006</li><li>• Brokered compromise with legislators and stakeholders on identity theft legislation passed in 2008</li></ul>	
<i>Major Responsibilities</i>	
<ul style="list-style-type: none"><li>• Developed policy through discussion of critical principals with the Senator, collaboration with legal staff to draft bills, and authoring of sponsor statements to explain the bills to legislators and the press</li><li>• Rapidly analyzed legislation and compiled background research to brief the Senator prior to votes</li><li>• Authored opinion editorials and press releases published in statewide newspapers; advised the Senator on issues related to natural resources, state affairs, and judiciary committees; promoted from Legislative Aide to Chief of Staff in June, 2005</li></ul>	
<b>General Manager</b> , Auk Ta Shaa Discovery, Juneau, Alaska	2002 – 2003
<ul style="list-style-type: none"><li>• Increased profit 20% through operational efficiency and aggressive sales of high-margin products</li><li>• Developed a supportive culture of teamwork among seasonal staff of 15 serving 9,000 clients</li><li>• Facilitated the transition during a partial ownership change that quadrupled profits</li></ul>	
<b>Research Analyst</b> , Industrial Economics, Inc., Cambridge, MA	2001 – 2002
<ul style="list-style-type: none"><li>• Created a flexible model of environmental damage cost that won an \$11 million settlement</li></ul>	
<b>Researcher</b> , USDA Forest Service, Forestry Sciences Lab, Juneau, Alaska	Summer 2000
<ul style="list-style-type: none"><li>• Estimated carbon stock and projected carbon flux monetary value for the Tongass National Forest</li></ul>	
<b>Course Development</b> , Environmental Issues, Brown University, Providence, RI	Spring 2000
<ul style="list-style-type: none"><li>• Revised the course reader and developed section activities and homework assignments</li></ul>	
<b>Teaching Assistant</b> , Environmental Issues, Brown University, Providence, RI	1999–2000
<ul style="list-style-type: none"><li>• Led weekly sections, developed section activities, wrote paper topics, graded papers and exams</li></ul>	
<b>Guide</b> , Auk Ta Shaa Discovery & Alaska Discovery, Inc., Juneau, Alaska	1996–2000
<ul style="list-style-type: none"><li>• Managed and led successful whitewater rafting, canoeing, and sea kayaking expeditions in Alaska</li><li>• Contributed to company success through teamwork with guide staff to provide outstanding customer service before, during, and after each trip</li></ul>	

## AWARDS AND ACHIEVEMENTS

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### *University of California, Davis*

- Emerging Venture Analyst, UC Davis Energy Efficiency Center 2008
- Dean's Fellowship, UC Davis Graduate School of Management 2008
- Green Technology Entrepreneurship Academy, Incline Village, Nevada 2008
- Eno Transportation Foundation, Leadership Development Conference, Washington, DC 2008
- Chevron Graduate Fellowship, UC Davis Institute of Transportation Studies 2007
- Outstanding Student of the Year, honorable mention, UC Davis Sustainable Trans. Center 2007
- Graduate Automotive Technology Education (GATE) Fellowship, UC Davis 2006 - 2008
- National Science Foundation Graduate Fellowship, honorable mention 2006

### *Brown University*

- One of 24 Royce Fellows at Brown University 2000
- One of five Faculty Scholars at Brown University 2000
- Member of Omicron Delta Epsilon honor society in economics 2001
- Member of Sigma Xi honor society in pure and applied science 2001
- Susan Colver Rosenberger Prize for Environmental Studies at Brown University 2001
- Academic Departmental Honors in Environmental Science at Brown University 2001

## PUBLICATIONS

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- Leighty, W.W., S.P. Hamburg, J. Caouette (2006) "Effects of management on carbon sequestration in forest biomass in southeast Alaska," *Ecosystems*, 9(7), 1051-1065.
- Leighty, W.W., C. Yang, J. Ogden (2007) "Advanced ICE Vehicles: an assessment of the technologies for next generation vehicles," Advanced Energy Pathways (AEP) Project, Task 4.1 Technology Assessments of Vehicle Fuels and Technologies, Public Interest Energy Research (PIER) Program, California Energy Commission, DRAFT July, 2007.
- Lin, C.-Y. C., W.W. Leighty (2007) "Government Leasing Policy and the Multi-Stage Investment Timing Game in Offshore Petroleum Production," International Association for Energy Economics, North American Conference, Houston, Texas, 16-19 September, 2007.
- Silvis, J., W.W. Leighty, A. Karner (2007) "Folk Quantification of Transportation Energy: an initial investigation of perceptions of automobile energy use," Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-07-22.
- Leighty, W.W. (2008) "Modeling of Energy Production Decisions: an Alaska Oil Case Study," working paper, University of California at Davis.
- Yang, Christopher, David L. McCollum, Ryan W. McCarthy, Wayne Leighty (2008) "Identifying Options for Deep Reductions in Greenhouse Gas Emissions from California Transportation: Meeting an 80% Reduction Goal in 2050," Institute of Transportation Studies, University of California, Davis, Research Report UCD-ITS-RR-08-23.
- Leighty, WW. (2008) "Repowering California Wind: Benefits and Barriers," working paper, University of California at Davis.

## PRESENTATIONS

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- Leighty, W.W. "Alaska Natural Gas Pipeline." Presented to: Sustainable Transportation Energy Program Seminar, Institute of Transportation Studies, University of California at Davis, 13 February, 2007.
- Leighty, W.W. "Government Leasing Policy and the Multi-Stage Investment Timing Game in Offshore Petroleum Production." Presented to: the 2007 International Association for Energy Economics, North American Conference, in Houston, Texas, 16-19 September, 2007.
- Leighty, W.W. "Modeling of Production Decisions in Energy Markets: an Alaska Oil Case Study." Presented to: Sustainable Transportation Energy Program Seminar, Institute of Transportation Studies, University of California at Davis, 4 March, 2008.

## SKILLS, INTERESTS & ACTIVITIES

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- Conversion of alternative fuel vehicles: one battery-electric and two waste cooking oil
- Microsoft Office, Adobe Pagemaker, ArcInfo, ArcView, SAS, STATA, Matlab, GAMS, Gretl
- Whitewater kayaker and rafter, sea kayaker, rock climber, mountain biker, skier, snowshoer, swimmer, ultimate frisbee player, soccer player, runner, hockey player, cyclist, sailor