

	Nuclear Regulatory Commission	
	Exhibit # - NRC000033-00-BD01	
	Docket # - 05200012  05200013	
	Identified: 08/18/2011	
Admitted: 08/18/2011		Withdrawn:
Rejected:		Stricken:

NRC000033  
05/09/2011

**MICHAEL J. SCOTT**

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Expertise: Natural resource and environmental economics; energy economics; regional economics; socioeconomic impact; environmental justice

**EDUCATION**

B.A.	Economics, Washington State University	1970
M.A.	Economics, University of Washington	1971
Ph.D.	Economics, University of Washington	1975

**EXPERIENCE**

Dr. Scott is a Senior Staff Scientist with Pacific Northwest National Laboratory in Richland, Washington with a Ph.D. in economics and over 35 years of experience in microeconomic and macroeconomic modeling. Dr. Scott's training and experience in natural resource economics, regional economics, public finance, and applied economic analysis has been utilized in a wide variety of projects. He has directed and participated in dozens of benefit-cost studies and evaluations of the national and regional impacts of economic development. He has worked on numerous projects involving practical problems of state and local governments.

Natural Resource Economics.

Global Change. Over the last twenty years, Dr. Scott has specialized in studying the effects of global environmental change on natural resources and the economy, particularly impacts on human systems and uncertainty. Highlights include his management of a current project designing Monte Carlo analysis into an integrated assessment model of global change. He managed the Department of Energy's \$1M-plus Resources Analysis Research Project (MINK Study) to estimate the comprehensive regional economic consequences of global warming and CO<sub>2</sub> fertilization, in which he also contributed to the uncertainty analysis of outcomes. This was followed by a more limited effort for the Department of Energy to analyze similar questions in the Pacific Northwest, focused on water supply and utilization of the Columbia River by hydropower, irrigation, and fisheries interests. He was one of the co-authors of the multi-laboratory, DOE study for the Congress to estimate the feasibility and cost to the U.S. economy of achieving major reductions in CO<sub>2</sub> and other greenhouse gas emissions over the next 10 to

20 years, and is following up this activity with analysis of the consequences of climate change for energy consumption and a second report to the Congress comparing policy instruments for limiting greenhouse gas emissions. Dr. Scott has also contributed to the agricultural sections of an international, computable, general-equilibrium economic model to be used by DOE to estimate the effects of economic development and policy on global warming (the SGM). He was a convening lead author for the IPCC 1995 Assessment Climate Change 1995: Impacts, Adaptation, and Mitigation of Climatic Change in the topic area of Human Settlements, a coordinating lead author for human settlements impacts in the IPCC Third Assessment Report Climate Change 2001: Impacts Adaptation and Vulnerability, a contributing author to the IPCC Special Report The Regional Impacts of Climate Change, and a lead author for the North American chapter of the IPCC Fourth Assessment Report. The IPCC won the Nobel Peace Prize in October 2007 “for their efforts to build up and disseminate greater knowledge about man-made climate change, and to lay the foundations for the measures that are needed to counteract such change.” His current research is in the areas of impacts of climate change on energy consumption in buildings and irrigated agriculture, and the impacts of uncertainty and non-CO<sub>2</sub> gases in integrated assessment models.

Other Natural Resources Issues. Dr. Scott's doctoral dissertation concerns the economics of the organization of oil fields. It advances the thesis, tested on Texas data, that state regulations, historically designed to allocate oil production within and among oil fields, can be explained as an effort by the oil industry itself to minimize bargaining costs. He has also analyzed the oil supply costs in foreign oil fields and analyzed oil bid leasing models utilized by the State of Alaska. Dr. Scott is a widely-published author on the practical problems and solutions of evaluating environmental benefits, especially when natural systems' benefits are not well-specified. He has published several journal articles and monographs on the relationships of the economic value of Pacific salmon and their environment, including the potential effects of hydroelectric dams on the Columbia River, global climate change and tributary conditions in the Pacific Northwest, and petroleum transportation on Puget Sound. He has also published on the economic benefits of “non-glamorous” resources, in which he provided estimates of the economic value of undeveloped shrub-steppe habitat, and an analysis of the linkages between unvalued habitat and economically valued functions.

Regional Economics. Dr. Scott developed a number of small-region economic models and conducted numerous regional analyses using a variety of regional models and methods to estimate the local economic and demographic effects of monitored retrievable nuclear waste storage systems in Tennessee; closure of aluminum mills in the Pacific Northwest, coal mines in Appalachia, and nuclear power plants in the Pacific Northwest and the U.S. Southeast; radioisotope production in New Mexico, Tennessee, and Idaho; and expansion or contraction of economic activity in a variety of sectors and locations.

Dr. Scott has prepared environmental justice sections for environmental impact statements for the K-Basin reactors at the Hanford Site, for four separate sites for Molybdenum-99 production, and for the Watts Bar nuclear power plant site. He has prepared environmental review guidance for the Nuclear Regulatory Commission on socioeconomics and environmental justice (NUREG-1555 and NUREG-1555, Supplement 1). He prepared socioeconomics and

environmental justice sections of environmental impact statements for Department of Energy on management of solid wastes at the Hanford site and for NRC on the Calvert Cliffs, Oconee, Arkansas No.1, Edwin Hatch, and Peach Bottom nuclear power plants and an environmental justice analysis for the NRC at the PFS independent spent fuel storage facility at Skull Valley, Utah and the National Enrichment Facility at Eunice, New Mexico. He prepared socioeconomic impact and environmental justice analyses for the NRC early site permits for nuclear reactors at Grand Gulf and North Anna, and socioeconomic impact, environmental justice, need for power and benefit cost analyses for NRC for combined operating licensing actions for North Anna Unit 3 and South Texas Plant Units 3 and 4.

Applied Economic Analysis. Dr. Scott has conducted several studies to resolve practical program problems of governments at all levels. At Pacific Northwest National Laboratory he has directed the development of an econometric/end-use electric load forecasting model to estimate the demand for electric generating capacity in Alaska and has forecasted the demand for electric power in the European republics of the Former Soviet Union. Before coming to PNNL, he developed a low-cost price index to allocate public school foundation program funds to school districts and devised a method of administratively determining child support payments for divorced couples in accordance with federal guidelines. He helped develop a strategy for allocating minimum water flows among competing users for the State of Washington. He has conducted studies estimating the economic benefit of basic and applied science funded by the Department of Energy, options for supplying local jail services and privatized waste management, and market studies to analyze purchasing patterns of consumers, industry, and government. He prepares periodic reports on the economic diversification and growth in the Tri-Cities area of Washington State. Dr. Scott supports the U.S. Department of Energy in rulemakings for energy efficiency of residential appliances and commercial equipment, conducting life-cycle cost assessment, forecasting of product shipments, assessment of national energy savings, national economic impact, and employment impact.

#### PROFESSIONAL AFFILIATIONS

- American Economic Association
- Western Economic Association
- American Agricultural Economics Association
- American Geophysical Union
- Board of Directors, Pacific Northwest Regional Economic Conference

#### REGULATORY PUBLICATIONS

U.S. Nuclear Regulatory Commission (NRC) [Principal Author, Socioeconomics and Environmental Justice, Need for Power, Benefit-Cost Balance]. 2011. Environmental Impact Statement for Combined Licenses (COLs) for South Texas Project Electric Generating Station Units 3 and 4. Final Report. NUREG-1937. U.S. Nuclear Commission, Washington, D.C.

U.S. Department of Energy [Principal Author, Life Cycle Cost, Shipments, National Energy and National Impact Analysis, Environmental Impacts, Regulatory Impacts]. 2009. *Final Rule Technical Support Document (TSD):Energy Efficiency Standards For Commercial and Industrial Equipment: Refrigerated Bottled Or Canned Beverage Vending Machines*. U.S. Department of Energy Assistant Secretary, Office of Energy Efficiency and Renewable Energy, Building Technologies Program, Appliances and Commercial Equipment Standards Washington, DC 20585. August 9, 2009.  
[http://www1.eere.energy.gov/buildings/appliance\\_standards/commercial/beverage\\_machines\\_final\\_rule\\_tsd.html](http://www1.eere.energy.gov/buildings/appliance_standards/commercial/beverage_machines_final_rule_tsd.html)

U.S. Department of Energy [Principal Author, Life Cycle Cost, Shipments, National Energy and National Impact Analysis, Environmental Impacts]. 2008. *Final Rule Technical Support Document (TSD): Energy Efficiency Standards for Commercial and Industrial Equipment: Commercial Ice-Cream Freezers; Self-Contained Commercial Refrigerators, Freezers, and Refrigerator-Freezers without Doors; and Remote Condensing Commercial Refrigerators, Freezers, and Refrigerator-Freezers*. U.S. Department of Energy, Assistant Secretary Office of Energy Efficiency and Renewable Energy, Building Technologies Program Appliances and Commercial Equipment Standards Washington, DC 20585., December 31, 2008.  
[http://www1.eere.energy.gov/buildings/appliance\\_standards/commercial/refrig equip\\_final\\_rule\\_tsd.html](http://www1.eere.energy.gov/buildings/appliance_standards/commercial/refrig equip_final_rule_tsd.html)

U.S. Department of Energy [Principal Author, Life Cycle Cost, Shipments, National Energy and National Impact Analysis, Environmental Impacts, Regulatory Impacts]. 2008. *Packaged Terminal Air Conditioners and Heat Pumps Energy Conservation Standard Final Rule Technical Support Document*. U.S. Department of Energy - Energy Efficiency and Renewable Energy Building Technologies Program – Appliances and Commercial Equipment Standards. October 8, 2009.  
[http://www1.eere.energy.gov/buildings/appliance\\_standards/commercial/ptacs\\_ptahps\\_final\\_tsd.html](http://www1.eere.energy.gov/buildings/appliance_standards/commercial/ptacs_ptahps_final_tsd.html)

U.S. Nuclear Regulatory Commission (NRC) [Principal Author, Socioeconomics and Environmental Justice]. 2006. Environmental Impact Statement for an Early Site Permit (ESP) at the North Anna ESP Site. Final Report. NUREG-1811. U.S. Nuclear Commission, Washington, D.C.

U.S. Nuclear Regulatory Commission (NRC) [Principal Author, Socioeconomics and Environmental Justice]. 2006. Environmental Impact Statement for an Early Site Permit (ESP) at the Grand Gulf ESP Site. Final Report. NUREG-1817. U.S. Nuclear Commission, Washington, D.C.

U.S. Nuclear Regulatory Commission [Principal Author, Environmental Justice]. 2005. Environmental Impact Statement for the Proposed National Enrichment Facility in Lea County, New Mexico - Final Report (NUREG-1790). Division of Waste Management and Environmental Protection Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission Washington, DC 20555-0001

U.S. Department of Energy, Richland Operations Office [Principal Author, Socioeconomics and Environmental Justice]. 2004. Final Hanford Solid (Radioactive and Hazardous) Waste Program Environmental Impact Statement, Richland, Benton County, Washington. DOE/EIS-0286F. U.S. Department of Energy, Richland Operations Office, Richland, WA.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Principal Author, Socioeconomics and Environmental Justice]. 2003. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants. Supplement 13: Regarding the H.B. Robinson Steam Electric Plant, Units No. 2. NUREG-1437, Supplement 13. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Principal Author, Socioeconomics and Environmental Justice]. 2002. Generic Environmental Impact Statement on Decommissioning of Nuclear Facilities. Supplement Dealing with Decommissioning of Nuclear Power Reactors.. NUREG-0586, Supplement 1. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Principal Author, Socioeconomics and Environmental Justice]. 2002. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants. Supplement 10: Regarding the Peach Bottom Atomic Power Station, Units 2 and 3. NUREG-1437, Supplement 10. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards [Principal Author, Environmental Justice]. 2001. Final Environmental Impact Statement for the Construction and Operation of an Independent Spent Fuel Storage Installation on the Reservation of the Skull Valley Band of Goshute Indians and the Related Transportation Facility in Tooele County, Utah. NUREG-1714. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Contributing Author, Socioeconomics and Environmental Justice]. 2001. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants. Supplement 4: Regarding the Edwin E. Hatch Nuclear Plant, Units 1 and 2. NUREG-1437, Supplement 4. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Contributing Author, Socioeconomics and Environmental Justice]. 2001. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants. Supplement 3: Regarding the Arkansas Nuclear One, Unit 1. NUREG-1437, Supplement 3. U.S. Nuclear Regulatory Commission, Bethesda, Maryland

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation (Coauthor). 2000. Standard Review Plans for Environmental Reviews for Nuclear Power Plants. NUREG-1555. Vols. 1-2. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation (Coauthor). 2000. Standard Review Plans for Environmental Reviews for Nuclear Power Plants. NUREG-1555. Supplement 1. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Principal Author, Socioeconomics and Environmental Justice]. 1999. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants. Supplement 2: Regarding the Oconee Nuclear Power Station. NUREG-1437, Supplement 2. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation [Principal Author, Socioeconomics and Environmental Justice]. 1999. Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants. Supplement 1: Regarding the Calvert Cliffs Nuclear Power Plant. NUREG-1437, Supplement 1. U.S. Nuclear Regulatory Commission, Bethesda, Maryland.

U. S. Department of Energy, Office of Nuclear Energy, Science and Technology [Principal Author, Socioeconomics and Environmental Justice]. 1996. Medical Isotopes Production Project: Molybdenum -99 and Related Isotopes DOE/EIS-0249. U.S. Department of Energy, Washington, D.C.

U. S. Department of Energy, Richland Operations Office [Principal Author, Socioeconomics and Environmental Justice]. 1995. Management of Spent Nuclear Fuel from the K Basins at the Hanford Site, Richland, Washington. DOE/EIS-0245. U.S. Department of Energy, Richland, Washington.

U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation. 1995. [Principal Author, Socioeconomics and Environmental Justice]. Final Environmental Statement Related to the Operation of Watts Bar Nuclear Plant Units 1 and 2. Docket Nos. 50-390 and 50-391, Tennessee Valley Authority. NUREG-0498 Supplement No.1. Nuclear Regulatory Commission, Washington, D.C.

Currie, J. W., R. J. Moe, and M. J. Scott. 1985. Valuation of Selected Columbia River Salmon and Steelhead Fishery Stocks Originating Above Rock Island Dam. Prepared for Chelan County Public Utility District by Battelle, Pacific Northwest Laboratories, Richland, Washington

#### JOURNAL PUBLICATIONS

Vano, J.A., M. Scott, N. Voisin, C.O. Stöckle, A.F. Hamlet, K.E.B. Mickelson, M. McGuire-Elsner, and D.P. Lettenmaier. 2010. Climate change impacts on water management and irrigated agriculture in the Yakima River Basin, Washington, USA. *Climatic Change* 102:261–286. DOI 10.1007/s10584-010-9846-1.

Wong, P.C., L.R. Leung, N. Lu, M.J. Scott, P. Mackey, H. Foote, J. Corriea, Jr., Z.T. Taylor, J. Xu, S.D. Unwin, and A. Sanfillipo. 2009. Designing a Collaborative Visual Analytics Tool for Social and Technological Change Prediction. *IEEE Computer Graphics and Applications* 29(5), 58-68.

Scott, M.J., J.M. Roop, R.W. Schultz, D.M. Anderson, K.A. Cort. 2008. The Impact of DOE Building Technology Energy Efficiency Programs on U.S. Employment, Income, and Investment. *Energy Economics* 30 (5): 2283-2301.

Scott, M. J., J.A. Dirks, and K.A. Cort. 2008. The Value of Energy Efficiency Programs for U.S. Residential and Commercial Buildings in a Warmer World. *Mitigation and Adaptation Strategies for Global Change* (13): 307-339.

Scott, Michael J., Charlie A. Brandt, Amoret L. Bunn, David W. Engel, Paul W. Eslinger, Terri B. Miley, Bruce A. Napier, Ellen L. Prendergast, Leslie A. Nieves. 2005. "Modeling Long-Term Risk to Environmental and Human Systems at the Hanford Nuclear Reservation: Scope and Findings from the Initial Model." *Environmental Management* 35 (1):84-98.

Scott, M.J., L.W. Vail, J.A. Jaksch, C.O. Stöckle, A. R. Kemanian. 2004. Water Exchanges: Tools to Beat El Niño Climate Variability. *Journal of the American Water Resources Association* 40 (1):15-31.

Scott, M.J., R.D. Sands, N.J. Rosenberg, and R.C. Izaurrealde. 2002. Future Emissions of N<sub>2</sub>O from Agriculture in the United States.. *Global Environmental Change, Part.A. Human and Policy Dimensions*, 12(2), 105-115.

Scott, M.J., R.D. Sands, J. Edmonds, A.M. Liebetrau, and D.W. Engel. 2000. Uncertainty in Integrated Assessment Models: Modeling with MiniCAM 1.0. *Energy Policy* 27(14):855-879.

Scott, M.J., G.B. Parker, and J.W. Currie. 1999. "Using Volume Purchases to Transform Markets for Energy-Efficient Technologies: A Lessons-Learned View from the Practitioners." *Strategic Planning for Energy and the Environment* 18(4) (Spring 1999): 58-79.

Scott, M.J., G.R. Bilyard, S.O. Link, C.A. Ulibarri, H.E. Westerdahl, P.F. Ricci, and H.E. Seely. 1998. Valuation of Ecological Resources and Functions. *Environmental Management* 22(1):49-68.

Belzer, D.B., M.J. Scott, and R.D. Sands. 1996. Climatic Change Impacts on U.S. Commercial Building Energy Consumption: An Analysis Using Sample Survey Data. *Energy Sources* 18:177-201.

Scott, M.J., J.E. Dagle, K.L. Gaustad, M. Placet, J.M. Roop, L.A. Schienbein, C.A. Ulibarri. 1995. Dark After Chernobyl? Closing Former Soviet Power Reactors. *Energy Policy* 23(8): 703-717.

Rosenberg, N.J. and M.J. Scott. 1994. "Implications of Policies to Prevent Climate Change for Future Food Security." *Journal of Global Environmental Change* 4:49-62.

Scott, M.J., D.L. Hadley, and L.E. Wrench. 1994. "Effects of Climate Change on Commercial Building Energy Demand." *Energy Sources* 16(3):339-354.

- Anderson, D.M., S.A. Shankle, M.J. Scott, D.A. Neitzel, and J.C. Chatters. 1993. "Valuing Effects of Climate Change and Fishery Enhancement on Chinook Salmon." *Contemporary Policy Issues* 11(4):82-94.
- Lettenmaier, D., L.W. Vail, K.L. Brettman, M.J. Scott. 1992. "Sensitivity of Pacific Northwest Water Resources to Global Warming." *Northwest Environmental Journal*. 8(2): 265-283.
- Neitzel, D. A., M.J. Scott, S.A. Shankle, J.C. Chatters. 1991. "The Effect of Climate Change on Stream Environments: The Salmonid Resource of the Columbia River Basin." *The Northwest Environmental Journal* 7(2): 271-293.
- Chatters, J.C., D.A. Neitzel, M.J. Scott, and S.A. Shankle. 1991. "Potential Impacts of Global Climate Change on Northwest Spring Chinook Salmon (*Oncorhynchus Tshawytscha*): An Exploratory Case Study." *Northwest Environmental Journal* 7(1): 71-92.
- Liebetrau, A.M. and M.J. Scott. 1991. "Hierarchical Analysis Strategies for Modeling the Uncertain Impacts of Climate Change." *Journal of Policy Modeling* 13(2): 185-204.
- Scott, M., et al. 1990. "Global Energy and the Greenhouse Issue." *Energy and Environment* 1(1): 74-91.
- Serot, D.E. and M.J. Scott. 1990. "AirLand Battle and the Army Depot System." *Army Logistician* PB-700-90-6 (November/December): 10-13.
- Scott, M.J., et al. 1990. "Consequences of Climatic Change for the Human Environment." *Climate Research* 1(1): 63-79.
- Scott, M.J. and D. B. Belzer. 1988. "Hanford, the N Reactor, and Washington's Economy: The Impacts of Permanent Closure." *Northwest Environmental Journal*, 4(1): 129-155.
- Scott, M.J. et al. 1987. "Columbia River Salmon: Benefit-Cost and Mitigation," *Northwest Environmental Journal* 3(2), 121-152.
- Scott, M.J. and O.S. Goldsmith. 1987. "Assessing Regional Econometric Models: A Discussion and Application." *Annals of Regional Science* 21 (1): 1-35.
- Edmonds, J., M. Farrell, M. Scott, and B. Strain. 1987. "The Greenhouse Effect: Is the Earth's Climate Going Haywire?" *Electrical Perspectives*, Spring 1987:20-31.
- Leistritz, F.L., R.A. Chase, B.L. Ekstrom, G. Knapp, L. Huskey, S. H. Murdock, M. J. Scott. 1986. "Challenge to Socio-Economic Impact Modelling: Lessons from the Alaska OCS Program." *Journal of Environmental Management*. 21:301-319.
- Scott, M.J. 1980. "Shortcut Disaggregation of Regional Model Results: A Test of Time Series Cross Section Analysis." *Northeast Regional Science Review*, 10, May 1980.



## OTHER PUBLICATIONS AND PRESENTATIONS

Fowler RA , MJ Scott, RS Butner 2011. Tri-Cities Index of Innovation and Technology. PNNL-20122. Pacific Northwest National Laboratory, Richland, Washington.

Fowler, R.A. and M.J. Scott. 2009. Hanford and the Tri-Cities Economy: Historical Trends 1970–2008. PNNL-18896. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J. 2009. Impact of Climate Change in the Pacific Northwest: The Pacific Northwest "Water Tower." PNNL-SA-68835. PNNL-Clean Energy Forum National Development and Reform Commission Seattle Reception, Seattle, WA, October 5, 2009.

Scott M.J., O.V. Livingston, J.M. Roop, R.W. Schultz, and P.J. Balducci. 2009. Impact of Sector Energy Technologies Model Description and User's Guide. PNNL-18412, Pacific Northwest National Laboratory, Richland, WA.

Lu, N., P.C. Wong, R. Leung, and M.J.Scott. 2009. The Impact of Climate Change on U.S. Power Grids. PNNL-SA-65308. Presented to the Climate Change Technical Conference, McMaster University, Hamilton, Ontario, Canada. May 13, 2009.

Julie A. Vano, Michael Scott, Nathalie Voisin, Claudio O. Stöckle, Alan F. Hamlet, Kristian E.B. Mickelson, Marketa McGuire Elsner, and Dennis P. Lettenmaier. 2009. "Climate change impacts on water management and irrigated agriculture in the Yakima River Basin, Washington, USA." in *Washington Climate Impacts Assessment: Evaluating Washington's Future in a Changing Climate*. Jeremy Littell, Marketa McGuire Elsner, Lara Whitely Binder, and Amy Snover (eds). Climate Change Impacts Group, University of Washington, Seattle, 407 pp..

Scott, M.J. 2008. Impact of New Estimates of Water Availability for Agriculture Under Climate Change: PNWD-SA-8323. Agricultural Impacts in the Yakima Basin of Washington State. Presentation to "Managing Water in Climate Changing World: Implications for Irrigation, Drainage, and Flood Control." USCID [The United States Committee on Irrigation and Drainage] Annual Conference, Portland, Oregon, September 18, 2008.  
<http://www.uscid.org/08gcc.html>

Livingston, O.V., M.J. Scott, D.J. Hostick, J.A. Dirks, K.A. Cort. 2008. Impact of the FY 2009 Building Technologies Program on United States Employment and Earned Income. PNNL-17598. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., M. Kintner-Meyer, D.B. Elliott, and W.M. Warwick. 2007. Impacts Assessment of Plug-In Hybrid Vehicles on Electric Utilities and Regional U.S. Power Grids: Part 2: Economic Assessment. Online Journal of the EUEC, Volume 1, December 2007.  
[http://www.euec.com/journal/articles/Article\\_V\\_01\\_I\\_01.htm](http://www.euec.com/journal/articles/Article_V_01_I_01.htm)

Scott, M.J. 2007. Climate Change and Changes in Farmer Risk for Mid-Columbia Crops. Presentation to Oregon Environmental Council Forum on Climate Change and Agriculture, Pendleton, Oregon, October 12, 2007. PNNL-SA-57507. Pacific Northwest National Laboratory, Richland, Washington.

CCSP, 2007: Effects of Climate Change on Energy Production and Use in the United States. A Report by the U.S. Climate Change Science Program and the subcommittee on Global change Research. Thomas J. Wilbanks,, Vatsal Bhatt, Daniel E. Bilello, Stanley R. Bull, James Ekmann, William C. Horak, Y. Joe Huang, Mark D. Levine, Michael J. Sale, David K. Schmalzer, and Michael J. Scott). Department of Energy, Office of Biological & Environmental Research, Washington, DC., USA, 160 pp.

Duncan, J.P., ed. 2007. (Co-author). Hanford Site National Environmental Policy Act (NEPA) Characterization. PNL-6415, Rev. 18. Pacific Northwest National Laboratory, Richland, Washington.

Field, C.B., L.D. Mortsch, M. Brklacich, D.L. Forbes, P. Kovacs, J.A. Patz, S.W. Running and M.J. Scott, 2007: North America. *Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 617-652.

Scott, M.J. 2007. Climate Change, Water Supply, and Environmental Challenges in the Columbia River System. Presented at Energy-Water Nexus: Meeting the Water Needs of the Snake/Columbia River Basin in the 21st Century, Boise, Idaho, June 26, 2007. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J. 2007. Climate Change, Water Variability, and Changes in Farmer Risk in Selected Eastern Washington Irrigated Crops. PNNL-SA-55400. Presented at the 41<sup>st</sup> Annual Pacific Northwest Regional Economic Conference, May 18, 2007, Richland, WA. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J. 2007. Some Observations on Climate Change Impact on Eastern Washington Agriculture. PNNL-SA-54489. Presentation at the Tierra Learning Center Energy and Global Climate Change Series, Riverside Center, Cashmere, Washington, March 23, 2007. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., M. Kintner-Meyer, D.B. Elliot, and W.M. Warwick. 2007. Impacts Assessment of Plug-In Hybrid Vehicles on Electric Utilities and Regional U.S. Power Grids: Part 2: Economic Assessment. PNNL-SA-53523. Proceedings of the 2007 Electric Utilities Environmental Conference, Tucson, AZ, January 21-24, 2007.

Scott, M.J. and J.M. Roop. 2006. Lost Opportunities Macroeconomic Impact of the DOE/BT Program: Review Draft Assessment. PNNL- SA-50854. Pacific Northwest National Laboratory, Richland, WA.

Schneider, K.P., Y Zhu, M.J. Scott, W.M. Warwick, D.B. Elliott, R.G. Pratt and M. Kintner-Meyer. 2006. Grid Impacts for Transforming the Transportation Sector from Fossil Fuel to Electricity. GTSP Technical Workshop. College Park, MD, May 23, 2006. PNNL-SA-50313. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J., L.W. Vail, C.O. Stöckle, A. Kemanian, R. Prasad. 2006. Managing Water for Irrigated Agriculture Under Extended Climate-Related Drought. PNNL-SA-49961. Presented to the Pacific Northwest Regional Economic Conference, Portland Oregon, May 11, 2006.

Scott, M.J., L.W. Vail, K.M. Branch, and J.A. Jaksch. 2006. Utilization of Climate Forecasts for Irrigation Water Management. PNWD-SA-7395. Submitted to the Journal of the American Water Resources Association. Battelle, Pacific Northwest Division, Richland, WA.

Scott, M.J., L.W. Vail, K.M. Branch, and J.A. Jaksch. 2006. Climate Change and Irrigation Water Management. PNWD-SA-7393. Battelle, Pacific Northwest Division, Richland, WA.

Scott, M.J., L.W. Vail, C.O. Stöckle, A. Kemanian, R. Prasad. 2006. What Can Adaptation to Climate Variability in Irrigated Agriculture Teach Us About Dealing with Climate Change? PNWD-SA-7396. Battelle, Pacific Northwest Division, Richland, WA.

Scott, M.J., L.W. Vail, and R. Prasad. 2005. Managing Water for Irrigated Agriculture Under Extended Climate-Related Drought. PNNL-SA-47342. Extended Abstract Proceedings of the American Water Resources Association 2005 Annual Conference. (Cleve Stewart, ed.). Seattle, WA. November 7-10, 2005.

Scott, M.J., L.W. Vail, C.O. Stöckle, and A. Kemanian. 2005. Impacts of Water Availability on Washington Agriculture in a Changing Climate. PNNL-SA-47128. Presented at the Fall 2005 Climate Change Conference, Seattle, Washington, October 27, 2005.

Neitzel, D.A. (ed.), A.L. Bunn, S.D. Cannon, J.P. Duncan, R.A. Fowler, B.G. Fritz, D.W. Harvey, P.L. Hendrickson, D.J. Hoitink, D.G. Horton, G.V. Last, T.M. Poston, E.L. Prendergast-Kennedy, S.P. Reidel, A.C. Rohay, M.J. Scott, and P.D Thorne. 2005. Hanford Site National Environmental Policy Act (NEPA) Characterization. PNNL-6415 Rev.17. Pacific Northwest National Laboratory, Richland, WA.

Roop, J. M., M. J. Scott, and R. W. Schultz. 2005. ImSET: Impact of Sector Energy Technologies. PNNL- 15273. Pacific Northwest National Laboratory, Richland, WA.

Scott, Michael J., S.A. Shamsuddin, M.A. McLamore, J.G. DeSteese, S.M. Folga, V.B. Hammond, L.A. Schienbein. 2005. Reliance of the U.S. Energy Sector on Foreign Suppliers of Key Equipment and Components. PNNL-15231. Pacific Northwest National Laboratory, Richland, WA. (Limited Distribution: OUO)

Scott, Michael J., James A. Dirks, and Katherine A. Cort. 2005. The Adaptive Value of Energy Efficiency Programs in a Warmer World: Building Energy Efficiency Offsets Effects of Climate Change. PNNL-SA-45118. In "Reducing Uncertainty Through Evaluation," Proceedings of the 2005 International Energy Program Evaluation Conference, August 17-19, 2005, Brooklyn, New York.

Scott, Michael J., Lance W. Vail, Claudio Stöckle, Armen Kemanian, Kristi M. Branch Rajiv Prasad, Mark A. Wigmosta, John A Jaksch. 2005. "Benefits and Costs of Options to Mitigate the Uncertain Effects of Climate Change on Irrigated Agriculture in the Yakima Basin. What

Matters? What Doesn't?" PNWD-SA-6980. Pacific Northwest Regional Economic Conference, Bellingham, Washington, May 20, 2005.

Scott, M.J., J.A. Jaksch, K.A. Cort. 2005. A Ten Year Retrospective on Environmental Justice: What Have We Learned? PNNL-SA-43942. Proceedings, Waste Management 2005 Conference, February 27-March 3, 2005, Tucson, AZ

Scott, Michael J., Lance W. Vail, Claudio Stöckle, Armen Kemanian, Kristi M. Branch Rajiv Prasad, Mark A. Wigmosta, John A Jaksch. 2005. Adapting Irrigated Agriculture to Climate Variability and Change. PNWD-SA-6743. Presented at 2005 AAAS Annual Meeting, American Association for the Advancement of Science, February 20, 2005, Washington D.C.

Neitzel, D.A. (ed.), A.L. Bunn, S.D. Cannon, J.P. Duncan, R.A. Fowler, B.G. Fritz, D.W. Harvey, P.L. Hendrickson, D.J. Hoitink, D.G. Horton, G.V. Last, T.M. Poston, E.L. Prendergast-Kennedy, S.P. Reidel, A.C. Rohay, M.J. Scott, and P.D Thorne. 2004. Hanford Site National Environmental Policy Act (NEPA) Characterization. PNNL-6415 Rev.16. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J., D.M. Anderson, D.B Belzer, K.A. Cort, J.A. Dirks, D. B. Elliott, D. J. Hostick. 2004. Impact of the FY 2005 Weatherization and Intergovernmental Program on United States Employment and Earned Income. PNNL-14812. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J., D.M. Anderson, D.B Belzer, K.A. Cort, J.A. Dirks, D. B. Elliott, D. J. Hostick. 2004. Impact of the FY 2005 Building Technologies Program on United States Employment and Earned Income. PNNL-14813. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J., L.W. Vail, C.O. Stöckle, A. Kemanian. 2004. "Climate Change and Adaptation in Irrigated Agriculture—A Case Study of the Yakima River." In Proceedings of the UCOWR/NIWR Annual Conference, July 20-22, 2004, Portland, Oregon. PNWD-SA-6448. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J. and R.A. Fowler. 2004. 2004 Index of Innovation and Technology: Tri-Cities, Washington. PNNL-SA-42092. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., L. Vail, R. Prasad, and J. Jaksch 2004. Can We Use Long-Lead Climate Forecasts to Operate the Pacific Northwest Rivers Better? PNWD-SA-6512. Pacific Northwest Regional Economic Conference, Tacoma, Washington, May 19, 2004.

Scott, M.J. 2004. Impacts of Climate Change in Pacific Northwest Agriculture. PNWD-SA-6499. Transportation and Climate Change Conference 2004, Seattle, Washington, May 18, 2004

Elliott DB, MJ Scott, EJ Antonio, and K Rhoads. 2004. Hanford Area 2000 Population. PNNL-14428. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., J. A. Edmonds, N. Mahasenan J. M. Roop, A.L. Brunello, E. F. Haites. 2004. International Emission Trading and the Cost of Greenhouse Gas Emissions Mitigation and Sequestration. *Climatic Change* 60(3): 257-287.

Scott, M.J., L.W. Vail, J.A. Jaksch, C.O. Stöckle, A. R. Kemanian. 2003. What Can Adaptation to Climate Variability in Irrigated Agriculture Teach Us About Dealing With Climate Change? PNWD-SA-6278. Insights and Tools for Adaptation: Learning from Climate Variability 18-20 November 2003, Washington, DC

Scott, M.J., C.A. Brandt, A.L. Bunn, D.W. Engel, P.W. Eslinger, T.B. Miley, B.A. Napier, L.A. Nieves, E.L. Prendergast. 2003. Environmental /Economic Risk After Hanford Cleanup: Using The Systems Assessment Capability (SAC). PNNL-SA-38722. Presented at the Pacific Northwest Regional Economics Conference, Spokane, Washington, May 21, 2003. Pacific Northwest National Laboratory, Richland, Washington

Scott, M.J., D.M. Anderson, D.B Belzer, K.A. Cort, J.A. Dirks, D. B. Elliott, D. J. Hostick. 2003. Impact of 2004 Office of Energy Efficiency and Renewable Energy Buildings-Related Projects on United States Employment and Earned Income. PNNL-14209. Pacific Northwest National Laboratory, Richland, Washington.

Anderson DM, Belzer DB, Cort KA, Dirks JA, Elliott DB, Hostick DJ and Scott MJ. 2003. Methodological Framework for Analysis of GPRA Metrics: Application to FY04 Projects in BT and WIP. PNNL-14231. Pacific Northwest National Laboratory, Richland, Washington.

Eslinger, PW, CA Brandt, AL Bunn, TB Miley, BA Napier, and MJ Scott. 2003. "System Assessment Capability; Impacts and Uncertainty Analysis." PNNL-SA-37477. Presented at the 4th Symposium on the Hydrogeology of Washington State in Tacoma, WA, March 31, 2003. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J. 2003. Calculating Economic Risk after Hanford Cleanup. Proceedings, Waste Management '03 February 23-27, 2003, Tucson, AZ. PNNL-SA-37892, Pacific Northwest National Laboratory, Richland, Washington.

Scott, Michael J., Charlie A. Brandt, Amoret L. Bunn, David W. Engel, Paul W. Eslinger, Terri B. Miley, Bruce A. Napier, Leslie A. Nieves, Ellen L. Prendergast. 2002. Modeling Long-Term Risk to Environmental and Human Systems at the Hanford Nuclear Reservation. PNNL-SA-37678. Pacific Northwest National Laboratory, Richland, Washington. .

Scott MJ, LW Vail, JA Jaksch, CO Stockle, and A Kemanian. 2002. "Early Warning of ENSO Events For Regional Agriculture." PNWD-SA-5834. Poster Presentation to National Oceanic and Atmospheric Administration/Office of Global Programs Human Dimensions of Global Change Principal Investigators' Meeting, Seabrook Island, South Carolina, October 23-25, 2002. Pacific Northwest National Laboratory, Richland, WA.

Neitzel, D.A. (ed.), A.L. Bunn, J.P. Duncan, T.O. Eschbach, R.A. Fowler, B.G. Fritz, S.M. Goodwin, D.W. Harvey, P.L. Hendrickson, D.J. Hoitink, D.G. Horton, G.V. Last, T.M. Poston, E.L. Prendergast, A.C. Rohay, M.J. Scott, P.D. Thorne. 2002. Hanford Site Environmental Policy Act (NEPA) Characterization. PNNL-6415 Rev. 14. Pacific Northwest National Laboratory, Richland, Washington.

Mahasenana, N., M.J. Scott, and S.J. Smith. 2002. The Effect of Emissions Trading and Carbon Sequestration on the Cost of CO<sub>2</sub> Emissions Mitigation. In Gale, J. and Kaya, Y., eds. Proceedings of the Sixth International Conference on Greenhouse Gas Control Technologies, Kyoto, Japan, October 1-4, 2002. PNNL-SA-36903, Pacific Northwest National Laboratory, Richland, WA.

U.S. Department of Energy, Richland Operations Office. 2002. [Anonymous Coauthor]. Assets to Energy: A Strategic Alliance. DOE/RL-2002-29. U.S. Department of Energy, Richland Operations Office.

Scott, M.J. and R.A. Fowler. 2002. Tri-Cities, Washington Integrated Energy and Technology Business Support Packages 2002. PNNL-SA-37544. Pacific Northwest National Laboratory, Richland, Washington.

Eslinger, P.W., C. Brandt, R. Bryce, D. Engel. C. Kincaid, C. Lo Presti, T. Miley, B. Napier, W. Nichols, M. Richmond, R. Riley, M. Scott, D. Streng. Requirements for the Systems Assessment Capability, Revision 1. Pacific Northwest National Laboratory, Richland, Washington.

Weimar, M.R., P. J. Balducci, J. M. Roop, M. J. Scott, H. L. Hwang. 2002. Economic Indicators of Federal Motor Fuel Excise Tax Collections. PNNL-13960. Pacific Northwest National Laboratory, Richland, Washington.

Brandt, C.A., A.L. Bunn, P.W. Eslinger, B.A. Napier, T.B. Miley, E.L. Prendergast, and M.J. Scott. 2002. "Risk/Impact Module," An Initial Assessment of Hanford Impact Performed with the System Assessment Capability. [R.W. Bryce, C.T. Kincaid, P.W. Eslinger, and L.F. Morasch, eds.] PNNL-14027. Pacific Northwest National Laboratory, Richland, Washington.

Anderson, D.M., M.J. Scott, and A.L. Bunn. 2002. "How Middle Columbia River Visitors Spend Their Time and Money - What This Implies for Environmental Modeling". In proceeding for the Pacific Northwest Regional Economics Conference, Portland, Oregon, May 16, 2002.

Anderson D.M., M.J. Scott, A.L. Bunn, R.A. Fowler, E.L. Prendergast, TB Miley, and TO Eschbach. 2002. 2001 Columbia River Recreation Survey -- Implications for Hanford Site Integrated Assessment. PNNL-13840, Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J., J.M Roop, and R.W. Schultz. 2002. ImBuild II: Impact of Building Energy Efficiency Programs. PNNL-13926. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J, D.J. Hostick, and D.B. Elliott. 2002. Impact of 2003 Building Technology, State and Community Programs on United States Employment and Earned Income. PNNL-13924. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., L.W. Vail, C.O. Stöckle, A. Kemanian. 2002. Water Security Under Climate Change in the Yakima Valley – Managing Under Uncertainty. PNWD-SA-5613. Presentation to the Pacific Northwest Regional Economic Conference, May 17, 2002, Portland, Oregon.

Scott, M.J., L.W. Vail, J.A. Jaksch, C.O. Stöckle, A. Kemanian. 2002. Integrated Impact of Climate Warming on Yakima Valley Water Demand and Availability. PNWD-SA-5613. Paper

Presented to the Research and Extension Regional Water Quality Conference 2002, February 20-21, 2002, Vancouver, Washington.

Scott, M.J., L.W. Vail, J.A. Jaksch, C.O. Stöckle, A. Kemanian. 2001. Integrated Impact of Climate Warming on Irrigated Crop Production. PNWD-SA-5596. Presentation to the American Geophysical Union Annual Fall Meeting, San Francisco, California, December 11, 2001.

Scott, M.J. 2001. Tri-Cities, Washington Innovation and Technology Index. PNNL-SA-35287. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., L.W. Vail, J.A. Jaksch, K.K. Anderson, C.O. Stockle. 2001. Early Warning of ENSO Events for Regional Agriculture. PNWD-3110. Battelle Pacific Northwest Division, Richland, Washington

Scott, M.J., L.W. Vail, J.A. Jaksch, and C.O. Stöckle. 2001. Regional Climate Forecasts and Water Markets in Irrigated Agriculture. Pacific Northwest Regional Economic Conference, Victoria, B.C. May 16-18, 2001. Battelle, Pacific Northwest Division, Richland, Washington.

Scott, M.J. Economic Impact of Global Climate Change Pacific Northwest Water and Agriculture—the Beginnings of Integrated Assessment. PNWD-SA-5421. Presentation to the Seattle Economists Club, May 9, 2001. Battelle, Pacific Northwest Division, Richland, Washington.

Scott, M.J., J. A. Edmonds, N. Mahasenan J. M. Roop, A.L. Brunello, E. F. Haites. 2001. International Emission Trading and the Cost of Greenhouse Gas Emissions Mitigation and Sequestration. Proceedings of the First National Conference on Carbon Sequestration, Washington, DC, May 14-17, 2001. PNNL-SA-34350. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., S. Gupta, J. Nwafor, E. Jáuregui, D. Satterthwaite, Y.A.D.S. Wanasinghe, T. Wilbanks, M. Yoshino, U. Kelkar. 2001. Human Settlements, Energy, and Industry. In *Climate Change 2001: Impacts, Adaptation, and Vulnerability*. Cambridge University Press, Cambridge, U.K.

Edmonds, J, J. Roop, M. Scott. 2001. Technological Change. In: *Pew Center on Global Climate Change (eds.), Climate Change: Science, Strategies, and Solutions*. Brill Academic Publishers, Boston, Massachusetts.

Edmonds, J., M. Scott, J. Roop, and C. MacCracken. 2001. International Emissions Trading. In: *Pew Center on Global Climate Change (eds.), Climate Change: Science, Strategies, and Solutions*. Brill Academic Publishers, Boston, Massachusetts. .pp. 222-246.

Scott, M.J. 2001. Implementing Environmental Justice in Environmental Impact Statements. Waste Management 2001 Conference Proceedings, February 28, 2001. PNNL-SA-33699. Pacific Northwest National Laboratory, Richland Washington.

Scott, M.J., LW Vail, and C.O. Stöckle. 2000. Managing Impacts of Climate Variability to Lower Yakima Basin Water Supplies. *Climate and Irrigation in Eastern Washington Workshop*,

November 2, 2000 in Yakima, Washington. Battelle Pacific Northwest Division, Richland, Washington.

Roop, J.M., J. Edmonds, and M.J. Scott. 2000. Modeling Technological Change in Integrated Assessment Models: Where to Now? Presented at the 21st Annual North American Conference of the USAEE/IAEE, Washington, D.C., September 26, 2000.

Edmonds, J., J.M. Roop, M.J. Scott. 2000. Technology and the Economics of Climate Change Policy. Pew Center for Global Climate Change, Washington, DC

Vail, L., M. Scott, K. Branch, D. Dauble, L.R. Leung, M. Wigmosta, C. Stockle, and K. Saxton. 2000. Impact of Climate on the Lower Columbia River Basin. In: Proceedings, 2000 STAR Integrated Assessments of Global Change Progress Review, September 25-27, Research Triangle Park, North Carolina\_PEA/600/R00/077. U.S. Environmental Protection Agency, National Center for Environmental Research, Washington, D.C.

Scott, Michael J., Lance W. Vail, John A. Jaksch, and Kevin K. Anderson. 2000. Considerations for Management of Irrigation Water with Climate Variability. PNWD-SA-5069. Presented at the American Geophysical Union Spring 2000 Meeting, May 30-June 2, 2000, Washington, D.C.

Scott, M.J. 2000. Hanford, Diversification, and the Tri-Cities Economy, FY1999. DOE/RL-2000-32. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Kincaid, C.T. et al. 2000. [Contributor] Groundwater/Vadose Zone Integration Project System Assessment Capability (Revision 0): Assessment Description, Requirements, Software Design, and Test Plan. BHI-01365. Draft A. Bechtel Hanford, Inc., Richland, Washington.

Scott, Michael J., Lance W. Vail, John A. Jaksch, Kevin K. Anderson, and Claudio O. Stockle. 2000. Climate Forecasts and Water for Regional Irrigated Agriculture. PNWD-SA-5050. Presented at the Pacific Northwest Regional Economic Conference, April 27-29, 2000. Bellingham, Washington.

Scott, M J., D.J. Hostick, and D.B. Elliott. 2000. Impact of 2001 Building Technology, State and Community Programs on United States Employment and Wage Income. PNNL-13182. Pacific Northwest National Laboratory, Richland, Washington.

Edmonds, J.A., M.J. Scott, J.M. Roop and C.N MacCracken. 1999. International Emission Trading and the Cost of Greenhouse Gas Emissions Mitigation. PNWD-SA-5017. Battelle, Pacific Northwest Division, Richland, WA. The Pew Center for Global Climate Change, Washington, D.C.

Doctor, P.G. et al. [Contributor]. 1999. Groundwater/Vadose Zone Integration Project, System Assessment Capability. Risk Technical Element: Draft Critical Habitat Locations and Risk Metrics. BHI-01306. Bechtel Hanford, Inc., Richland, Washington.



Kincaid, et al.[Coauthor] 1999. Groundwater/Vadose Zone Integration Project, Preliminary System Assessment Capability Concepts for Architecture, Platform, and Data Management. Letter Report. Bechtel Hanford, Inc., Richland, Washington.

Scott, M.J. 1999. Pacific Northwest National Laboratory Community Relations, 1998-99. PNNL-SA-32029. Pacific Northwest National Laboratory, Richland, Washington.

Cort, K.A., P.L. Hendrickson, M.J. Scott, and P.A. Wright. 1999. Evaluation of Site Restoration Alternatives for Washington Nuclear Plants 1&4. PNWD-2468. Battelle, Pacific Northwest Division, Richland, Washington.

Scott, M.J., J. Jaksch, K. Anderson, and C. Stockle. 1999. Value of Improved Climate Forecasting for Irrigated Agriculture. Presented at the 1999 Spring Meeting, American Geophysical Union, June 4, 1999, Boston, Massachusetts. PNNL-SA-31245. Pacific Northwest National Laboratory, Richland, WA.

Scott, M.J. 1999. Global Energy Policy Address to Climate Change. Presented at "The International Business of Global Warming-Implications for Making and Selling Wood-Based Products," The 1999 Washington Pulp and Paper Conference, May 20, 1999, Seattle, Washington. Pacific Northwest National Laboratory, Richland, WA.

Scott, M. J., E.J. Stenehjem, and K.A. Cort. 1999. Consequences of Drug Policy at the County Level: The Benton County Jail Assessment. Presented at the 1999 Pacific Northwest Regional Economic Conference, May 7, 1999. PNNL-SA-31236. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M. J., L.W. Vail, J.A. Jaksch, K.K. Anderson, C.O. Stockle, and R.G. Evans. 1999. Early Warning of ENSO Events for Regional Agriculture. PNNL-SA-31245. Presented at the NOAA Economics and Human Dimensions Investigators Meeting, Tucson, Arizona, April 26, 1999. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J. 1999. Hanford, Diversification, and the Tri-Cities Economy, FY1998. DOE/RL-99-29. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Scott, M. J. 1998. "HERMES: Methods for Including Ecological Values in Environmental Restoration." Presentation to The Natural Connection: Environmental Integrity and Human Health. Society of Environmental Toxicology and Chemistry, 19<sup>th</sup> Annual Meeting, Charlotte, North Carolina, November 17, 1998. PNNL-SA-30562, Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J. 1998. "Forecasting El Niño-Southern Oscillation (ENSO) - Does It Make Any Difference to Agriculture?" Presentation to Environmental Sustainability: Building on 20<sup>th</sup> Century Successes (Air and Waste Management Association, The Pacific NW International Section Annual Conference) Portland, Oregon, November 6, 1998. PNNL-SA-30534. Pacific Northwest National Laboratory, Richland, Washington.

Jaksch, J.A., M.J. Scott, and J. Vesper. 1998. "Poplar Trees and Water Quality: The Giffin Lake Project." Presentation to: Agriculture and Water Quality in the Pacific Northwest, October 20 and 21, 1998, Yakima, Washington. Battelle, Pacific Northwest Division, Richland, Washington.

Jaksch, J.A., M.R. Weimar, M.J. Scott, and C.A. Ulibarri. 1998. Cost Savings Under Market-Driven Contracting Approaches. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., O.H. Paananen, T.E. Redgate, C.A. Ulibarri, and J.A. Jaksch. 1998. Evidence of Cost Growth Under Cost-Plus and Fixed-Price Contracting. PNNL-11984. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., F.B. Metting, J.S. Fruchter, and R.E. Wildung. 1998. "Research Investment Pays Off." PNNL-SA-31769. Soil and Groundwater Cleanup. October: 6-13.

Scott, M.J. 1998. Climate Impacts on Human Settlements and Transportation. Presented to the Air and Waste Management Association 91<sup>st</sup> Annual Meeting and Exhibition, San Diego, California, June 17, 1998. PNWD-SA-4569. Battelle, Pacific Northwest Division, Richland, Washington.

Scott, M.J., J. Jaksch, and J. Vesper. 1998. An Agricultural Model for Environmental Preservation. Proceedings of the Thirty-Second Annual Pacific Northwest Regional Economic Conference, Olympia, Washington, May 7-9, 1998. PNWD-SA-4554. Battelle Pacific Northwest Division, Richland, Washington.

Scott, M.J. 1998. Hanford and the Tri-Cities Economy, FY 1997. DOE-RL-98-29. U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Scott, M.J., D.J. Hostick, and D.B. Belzer. 1998. ImBuild: Impact of Building Energy Efficiency Programs. PNNL-11884. Pacific Northwest National Laboratory, Richland, Washington.

Scott, M.J., D.J. Hostick, D.B. Elliott, R.W. Schultz. 1998. Impact of Building Technology, State and Community Programs on United States Employment and Wage Income. PNNL-11843. Pacific Northwest National Laboratory, Richland, Washington.

U.S. Department of Energy National Laboratory Directors (Coauthor). 1998. Technology Opportunities to Reduce U.S. Greenhouse Gas Emissions. U.S. Department of Energy, Washington, D.C.

Scott, M.J. 1997. □Uncertainty in Integrated Assessment Models: Modeling with MiniCAM 1.0. Presented to the 1997 Fall Meeting, American Geophysical Union, San Francisco, California, December 12, 1997.

Shriner, D.S. and R.B. Street (Coauthor). 1997. North America. In Watson, R.T., M.C. Zinyowera and R.H. Moss. The Regional Impacts of Climate Change: An Assessment of Vulnerability. Cambridge University Press, Cambridge, United Kingdom.

Scott, M.J. 1997. Modeling Uncertain Sequential Climate Policy Choice. Presentation at Uncertainty and Policy Choices to Meet UNFCCC Objectives, International Energy Agency, Paris,

France, October 16, 1997. PNNL-SA-29351. Pacific Northwest National Laboratory, Richland, Washington.

Weimar, M.R., O.H. Paananen, and M.J. Scott. 1997. Restructuring the U.S. Department of Energy's Acquisition Approach to Reduce Deadweight Loss. Regions in Transition. 31st Annual Pacific Northwest Regional Economic Conference, Spokane, Washington, April 24-26, 1997.

Scott, M.J. et al. 1997. Valuation of Ecological Resources and Functions. Regions in Transition. 31st Annual Pacific Northwest Regional Economic Conference, Spokane, Washington, April 24-26, 1997.

Scott, M.J. et al. 1996. Human Settlements in a Changing Climate: Impacts and Adaptations. In Watson, R.T., M.C. Zinyowera and R.H. Moss. Climate Change 1995. Impacts, Adaptations and Mitigation of Climate Change: Scientific-Technical Analyses. Cambridge University Press, Cambridge, United Kingdom.

Ghan, S.J., W.T. Pennell, K.L. Peterson, E. Rykiel, M.J. Scott, and L.W. Vail. 1996. Regional Impacts of Global Climate Change: Assessing Change and Response at Scales That Matter. Thirty-Second Hanford Symposium on Health and the Environment. Battelle Press, Columbus, Ohio.

Shreffler, D.K., R.M. Thom, M.J. Scott, K.P. Wellman, and M. Curran. 1995. National Review of Non-Corps Environmental Restoration Projects. Final Report to Institute of Water Resources, U.S. Army Corps of Engineers, Alexandria, Virginia. IWR Report 95-R-12. Pacific Northwest Laboratory, Richland, Washington, PNL-10784.

Wellman, K. et al. 1995. "Aquatic Habitat Restoration in the United States: A Review of Engineering Design and Economics." Taking a Broader View, Society for Ecological Restoration 1995 International Conference, University of Washington, Seattle, Washington, September 14-16, 1995.

Chatters, J.C., V.B. Butler, M.J. Scott, D.M. Anderson, and D.N. Neitzel. 1995. "A Paleoscience Approach to Estimating the Effects of Climatic Warming on Salmonid Fisheries of the Columbia River Basin." In Beamish, R.J. (ed.) Climatic Change and Northern Fish Population. Canadian Special Publication of Fisheries and Aquatic Sciences 121. National Research Council of Canada, Ottawa, Canada.

Scott, M.J., G.R. Bilyard, S.O. Link, P.F. Ricci, H.E. Seely, C.A. Ulibarri, and H.E. Westerdahl. 1995. Valuation of Ecological Resources. PNL-10533. Pacific Northwest Laboratory, Richland, Washington.

Sands, R.D., and M.J. Scott. 1994. "Electricity Demand in the Pacific Northwest: Impact of Global Warming on a Winter-Peaking System." PNL-SA-21745. Pacific Northwest Laboratory, Richland, Washington.

Ulibarri, C.A., and M.J. Scott. 1994. "EPA's Special Allowance Reserves: Bidding in a "Thin Market." Proceedings of the 16th North American Conference of the USAEE/IAEE, November 6-9, 1994, Dallas, Texas.

Scott, M.J., D.A. Neitzel, W.V. Mavros, and M.S. Madden. 1993. "A Preliminary Model of Salmon Ocean Survival Under Climate Change." PNL-SA-23665. Presentation to the International Association for Impact Assessment, North American Regional Conference. Seattle, Washington, December 3, 1993.

Scott, M.J., D.A. Neitzel, W.V. Mavros, and M.S. Madden. 1993. "Fisheries Consequences of Climate Change." Pacific Northwest Laboratory LDRD Seminar Series, Richland, Washington, December 3, 1993.

Scott, M. J., R.D. Sands, L.W. Vail, J.C. Chatters, D.A. Neitzel, and S.A. Shankle. 1993. The Effects of Climate Change on Pacific Northwest Water-Related Resources: Summary of Preliminary Findings. PNL-8987. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J., A.M. Liebetrau, and C.A. Lopresti. 1993. "Climate Uncertainty and the Regional Impacts of Climate Change." PNL-SA-23172 S. Paper presented at the 32nd Annual Hanford Symposium on Health and the Environment, Richland, Washington, October 20, 1993.

Scott, M.J., D.B. Belzer, D. Hadley, and L. Wrench. 1993. "Integrating Climate Change into Energy Demand Forecasts: A Commercial Sector Analysis." PNL-SA-23122. Paper presented at the 15th Annual North American Conference, International Association for Energy Economics, Seattle, Washington, October 11-13, 1993.

Rosenberg, N.J. and M.J. Scott. 1993. "Implications of Policies to Prevent Climate Change for Future Food Security" Presentation to the Oxford Environment Conference, Climate Change and World Food Security. July 16, 1993, St. Catherine's College, University of Oxford, Oxford, United Kingdom.

Anderson, D.M. and M.J. Scott. 1993. "Salmon in the Long Run--Restoration and Climate Change." Proceedings of the 27th Annual Pacific Northwest Regional Economic Conference. Northwest Policy Center, University of Washington, Seattle, Washington.

Placet, M., M.J. Scott, J.E. Dagle, C.A. Ulibarri, J.M. Roop. 1993. Can the Oldest Russian Reactors be Closed? Opportunities for Cooperative Assessments. [Official Use Only.] Office of Intelligence, U.S. Department of Energy, Washington, D.C.

Scott, M., L.E. Wrench, and R.D. Sands. 1992. "Electricity Demand Under Climate Change: Study Results and Research Agenda." EPRI Workshop on Energy Effects of Climate Change, Electric Power Research Institute, Washington, D.C., November 4-5, 1992.

Scott, M.J., D.M. Anderson, J.C. Chatters, D.A. Neitzel, and S.A. Shankle. 1992. "Effect of Climate Change on Salmon Resources in the Pacific Northwest."

Global Change Assessment for Forestry, Agriculture, and Water Resources, U.S. Social Science Research Council, National Center for Atmospheric Research, and Pennsylvania State University, University Park, Pennsylvania, October 19-21, 1992.

Chatters, J.C., V.B. Butler, D.N. Neitzel, M.J. Scott, and S.A. Shankle. 1992. "A Paleoscience Approach to Estimating the Effects of Climatic Warming on Salmonid Fisheries of the Columbia River System , Western North America." International Symposium on Climatic Change and Northern Fish Population. Pacific Science Organization (PISCES), Vancouver, B.C., CANADA, October 13-16, 1992.

Anderson, D.M., S.A. Shankle, M.J. Scott, D.A. Neitzel, and J.C. Chatters. 1992. "Costs of Climate Change: Economic Value of Yakima River Salmon." PNL-SA-20998. Presentation to the 67th Annual Conference, Western Economic Association International, San Francisco, California, July 9-13, 1992.

Scott, M.J. 1992. "The MINK Study." Presentation to the Investigative Meeting on Advanced Impacts Models. The Global Change Coordinators Group (GENEVER). Bedford, United Kingdom, March 10-12, 1992.

Scott M.J. 1992. "Economic Impacts of Global Change." Presentation to the 1992 Northwest Global Change Conference for Educators, University of Washington, Seattle, Washington, February 27, 1992.

Beck, D.M., M.J. Scott, M.D. Davis, S.F. Shindle, B. A. Napier, A.G. Thurman, D.B. Pittenger, and N.C. Batishko. 1991. Hanford Area 1990 Population and 50-Year Projections. PNL-7803. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. et al. 1991. "The Potential Consequences of Atmospheric/Climate Change." IN R.A. Bradley, E.C. Watts, and Edward R. Williams (eds.) Report to the Congress of the United States: Limiting Net Greenhouse Gas Emissions in the United States. DOE/PE-0101. U.S. Department of Energy, Washington, D.C.

Pacific Northwest Laboratory. 1991. [Anonymous Coauthor]. Value of Investing in Science and Technology at Hanford. Prepared for the Office of Environmental Restoration and Waste Management, U.S. Department of Energy, Washington D.C. by Pacific Northwest Laboratory, Richland, Washington.

Shankle S.A. and M.J. Scott. 1991. "Benefits of Salmon Restoration Under Global Climate Change". PNL-SA- .Presented at the Annual Meeting of the Western Economic Association, June 29-July 2, 1991 Seattle, Washington.

Scott, M.J. 1991. "The MINK Study: Regional Effects of Changing CO<sub>2</sub> and Climate." DOE Research Summary. No.12 (November 1991). Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Scott, M.J. and D.B. Belzer. 1991. Tri-Cities Economy Review and Outlook: September 1991 Update. Pacific Northwest Laboratory, Richland, Washington.

Edmonds, J.A., S.C. McDonald, R.A. Bradley, et. al. 1991. [Coauthor]. "A Comparison of Policies to Mitigate U.S. Greenhouse Gas Emissions." Energy Developments in the 1990s: Challenges Facing Global/Pacific Markets. Proceedings of the Fourteenth Annual International Conference, International Association for Energy Economics, Honolulu, Hawaii, USA, July 8-10, 1991. East-West Center, Honolulu, Hawaii. Vol.II, page 760 and 765.

Scott, M.J. and D.B. Belzer. 1991. Tri-Cities Economy Review and Outlook: March 1991 Update. Pacific Northwest Laboratory, Richland, Washington.

Liebetrau, A.M. and M.J. Scott. 1990. "Methods for Estimating the Uncertainty of Climate Change Effects in a Crop Model." PNL-SA-18786. Pacific Northwest Laboratory, Richland, Washington. Presented at the International Workshop on the Natural Resource and Economic Implications of Global Climate Change, November 5-9, 1990, Interlaken, Switzerland.

Scott, M.J. and D.B. Belzer. 1990. Tri-Cities Economy Review and Outlook: September 1990 Update. Pacific Northwest Laboratory, Richland, Washington.

Liebetrau, A.M., M.J. Scott, W. Easterling, M. McKenney. 1990. "Sensitivity and Uncertainty Analysis of Crop Yield Estimates Computed Using the EPIC Model." PNL-SA-18548 A. Third Interdisciplinary Conference on Natural Resource Modeling, Cornell University, October 11-13, 1990.

Chatters, J.C., D.A. Neitzel, M.J. Scott, and S.A. Shankle. 1990. "Global Climate Change and Effects on Pacific Northwest Salmonids: An Exploratory Case Study." Paper presented to the Pacific Northwest Regional Meeting, the American Geophysical Union, Seattle, Washington, September 13, 1990. PNL-SA-18494. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. et al. 1990. Tri-Cities Purchasing Behavior. PNL-7382. Tri-City Industrial Development Council, Kennewick, Washington.

Scott, M.J., N.J. Rosenberg, and R.M. Cushman. 1990. "The Regional Effects of Climate Change and CO<sub>2</sub> Fertilization on the Natural and Human Environment." Pacific Northwest Laboratory Annual Report for 1989 to the DOE Office of Energy Research. Volume 3: Atmospheric Sciences. PNL-7200. Pacific Northwest Laboratory, Richland, Washington.

Edmonds, J.A., D.F. Barns, and M.J. Scott. 1990. "A Second-Generation Model of Greenhouse Gas Emissions." Pacific Northwest Laboratory Annual Report for 1989 to the DOE Office of Energy Research. Volume 3: Atmospheric Sciences. PNL-7200. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. 1990. "Global Warming Impacts: Integrating Research and Policy." PNL-SA-18153 S. Paper presented at the Second Annual Research Briefing on Texas and Global Warming. Center for Growth Studies, University of Texas, Austin, Texas, May 4, 1990.

MacCracken, M., et al. [Contributing Author]. 1990. Energy and Climate Change. Report of the DOE Multi-Laboratory Climate Change Committee. Lewis Publishers, Chelsea, MI.

Scott, M.J. and D.B. Belzer. 1990. Tri-Cities Economy Review and Outlook: March 1990 Update. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. and C.A. Counts (eds.). 1990. Global Warming: A Northwest Perspective. Proceedings of a Symposium for the Northwest Power Planning Council, February 9, 1989. PNL-SA-17905. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. 1989. "Pacific Northwest Global Climate Effects Case Study: Overview of Resource Implications and Impacts." PNL-SA-17495S. Presentation at Participants Meeting on Pacific Northwest Global Climate Effects Case Study, Portland, Oregon, October 13, 1989.

Scott, M.J. 1989. "Global Environmental Change and Socioeconomic Impacts: Estimating Costs to Society." PNL-SA-17494S. Presentation at the Hanford Technical Exchange, Richland, Washington, October 11, 1989.

Scott, M.J. and D.B. Belzer. 1989. Tri-Cities Economy Review and Outlook: September 1989 Update. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J., J.A. Edmonds, M.A. Kellogg, and R. W. Schultz. 1989. "Global Energy and the Greenhouse Issue." World Energy Conference 14th Congress: Energy for Tomorrow. Paper 2.1.1. Montreal, Quebec, Canada, September 17-22, 1989.

Scott, M.J. 1989. "Global Warming and the Greenhouse Effect: How It Can Change Our Lives." PNL-SA-17207 S. Presentation to the Environment, Energy, and Land Use Steering Committee at the 54th Annual Conference, National Association of Counties, Cincinnati, Ohio, July 14, 1989.

Edmonds, J.A. et al. [Contributing Author]. 1989. "Criteria for Selecting a CO<sub>2</sub>/Climate Change Region of Study." Paper 89-148.7. Presented at the 82nd Annual Meeting and Exhibition, Air and Waste Management Association, Anaheim, California, June 28, 1989.

Scott, M.J. 1989. "Policy Issues Related to Climate and Hydrologic Change in the Columbia River Basin." PNL-SA-16900S. Presentation at Effects of Global Warming on the Water Resources of the Columbia River Basin, Seattle, Washington, April 19, 1989.

Scott, M.J. 1989. "Global Warming: A Climate Change and Greenhouse Effects Information Presentation." PNL-SA-16901S. Speech to Prosser, Washington Chamber of Commerce, Hanford Speakers' Bureau, April 18, 1989.

Scott, M.J. and D.B. Belzer. 1989. The Tri-Cities Economy Review and Outlook: March 1989 Summary. PNL-SA-16604. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. et al. 1989. Hanford and the Tri-Cities Economy: Review and Outlook, March 1989. PNL-6813. Pacific Northwest Laboratory, Richland, Washington.

Spanner, G.E. et al. 1989. [Contributing Author] Detailed Findings Used to Prepare the Strategic Assessment for the Depot System Command's READY 2000 Program. PNL-6697. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J. and S.J. Guthrie. 1988. Secondary Economic Impact of Acid Deposition Control Legislation in Six Coal Producing States. PNL-6669. Pacific Northwest Laboratory, Richland, Washington.

Rhoads, R.E. et al. 1988. [Contributing Author.] Strategic Assessment for Depot System Command REvitalization of Army Depots for the Year 2000 Program. Pacific Northwest Laboratory, Richland, Washington.

Pacific Northwest Laboratory. 1988. [Contributing Author.] Southeast Alaska Acoustic Measurement Facility (SEAFAC). David Taylor Research Center - Detachment Puget Sound - U.S. Department of the Navy, Silverdale, Washington.

Edmonds, J.A. D.J. Wuebbles, and M.J. Scott. 1987. "Energy and Radiative Precursor Emissions." Paper presented at the 8th International Conference on Alternative Energy Sources, University of Miami, Coral Gables, Florida, December 14-16, 1987.

Scott, M.J. 1987. "Non-CO<sub>2</sub> Emissions and the Global Greenhouse Effect." Paper presented at the Fifth International Conference on Atmospheric Problems, Chicago, Illinois, November 4, 1987.

Scott, M.J. et al. 1987. The Economic and Community Impacts of Closing Hanford's N Reactor and Nuclear Materials Production Facilities. PNL-6295. Pacific Northwest Laboratory, Richland, Washington.

Hendrickson, P.L., M.J. Scott, and M.F. Mullen. 1987. "Impact of Proposed Financial Responsibility Requirements for Cleanup of Accidental Releases of Radioactive Materials." Paper presented to the 32nd Annual Meeting of the Health Physics Society, July 8, 1987, Salt Lake City, Utah.

Edmonds, J.A. and M.J. Scott. 1987. "Energy and Future Climate Forcing." Air Pollution Control Association Paper 87-5.6. Presented to the 80th Annual Meeting and Exhibition of the Air Pollution Control Association, New York, New York June 21-26, 1987.

Hendrickson, P.L., M.J. Scott, M.F. Mullen, A.K. Nicholls, and S.A. Smith. 1987. Impact of Proposed Financial Assurance Requirements on Nuclear Materials Licensees. NUREG/CR-4958, PNL-6233. Pacific Northwest Laboratory, Richland, Washington.

Kellogg, M.A., J.A. Edmonds, M.J. Scott, and J.S. Pomykala. 1987. Key Statistics Related to CO<sub>2</sub> Emissions: Significant Contributing Countries. PNL-6238. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J., J.E. Englin, and L. G. McWethy. 1986. "Benefit Cost Analysis of Salmon and Steelhead Mitigation Strategies Using a Formal Model". in B. Lev, et al. eds. Strategic Planning in Energy and Natural Resources, pp. 193-202. Elsevier Science Publishers, B.V. (North-Holland).



U.S. Department of Energy. 1986. [Contributing Author]. Nuclear Waste Policy Act: Monitored Retrievable Storage Submission to Congress. Volume 2. Environmental Assessment for a Monitored Retrievable Storage Facility. DOE/RW-0035. U.S. Department of Energy, Washington, D.C.

Scott, M.J. 1985. Analysis of Past Outer Continental Shelf Oil and Gas Studies. U. S. Minerals Management Service, Alaska Outer Continental Shelf Office.

Scott, M.J., M.J. King, and R.J. Moe. 1985. Review and Changes to the Railbelt Electricity Demand Model, July 1983 to August 1985. Prepared for Harza-Ebasco Susitna Joint Venture, Anchorage, Alaska, Under Contract 2311205912 by Battelle, Pacific Northwest Laboratories, Richland, Washington.

Silviera, D.J. et al. 1985. (Co-author) Reference - Site Environmental Document for a Monitored Retrievable Storage Facility: Backup Waste Management Option for Handling 1800 MTU per Year. PNL-5476, Pacific Northwest Laboratory, Richland, Washington.

Scheer, R.M. et al. 1985. (Co-author) Economic Implications of Accelerated Leasing and Development of Outer Continental Shelf Oil and Gas Resources. Prepared for the American Petroleum Institute, Washington, D. C. under Contract 2311206380 by Battelle, Pacific Northwest Laboratories, Richland, Washington.

Scott, M.J., and M.A. Kellogg. 1985. Comparison and Analysis of Recent Railbelt Electricity Demand Forecasts. Prepared for Harza-Ebasco Susitna Joint Venture by Battelle, Pacific Northwest Laboratory, Richland, Washington.

Callaway, J.M., et al. 1984. (Co-author) Preliminary Benefit-Cost Analysis of The Fast-Flux Test Facility (FFTF) Power Addition. PNL-5206, Pacific Northwest Laboratory, Richland, Washington.

King, M.J. and M.J. Scott. 1984. "Forecasting Electricity Demand with an End-Use/Econometric Model." In Analytic Techniques for Energy Planning. B. Lev, et al., eds. Elsevier Science Publishers B. V. (North-Holland), Amsterdam.

Moe, R.J., R.C. Adams, and M.J. Scott. 1984. "A Forecast Model of Regional Economic Activity." In Analytic Techniques for Energy Planning. B. Lev, et al., eds. Elsevier Science Publishers B. V. (North-Holland), Amsterdam.

Scott, M.J. March 1984. "Benefit-Cost Frameworks in the Determination of Environmental Degradation." Presented at the Alaska Environmental Workshop, March 5, 1984, Anchorage, Alaska.

Kresge, D.T., et al. 1984. (Co-author) Regions and Resources: Strategies for Development. MIT Press, Cambridge, Massachusetts.

Scott, M.J. 1984. "A Fishery Manager's Guide to Understanding Secondary Economic Impact of Northwest Salmon and Steelhead." Paper presented at Making Economic Information More Useful for Salmon and Steelhead Decision, a workshop sponsored by National Marine Fisheries

Service, July 24-26, Seattle, Washington. NOAA Technical Memorandum NMFS F/NWR-8, National Marine Fisheries Service, Portland, Oregon.

Scott, M.J., M.J. King, R.J. Moe. 1984. Review and Changes to the Railbelt Electricity Demand Model, July 1983 to August 1984. Prepared for Harza-Ebasco Susitna Joint Venture by, Battelle, Pacific Northwest Laboratory, Richland, Washington.

Adams, R.C. et al. 1983. (Co-author) The Direct Service Industries: Their Contribution to the Northwest Power Systems and Economy. Prepared for Direct Service Industries, Inc., Portland, Oregon. Battelle, Pacific Northwest Laboratories, Richland, Washington.

Adams, R.C. et al. 1983. (Co-author) The Metropolitan and State Economic Regions (MASTER) Model-Model Documentation. PNL-4698. Pacific Northwest Laboratory, Richland, Washington.

Adams, R.C., R.J. Moe, and M.J. Scott. 1983. The Metropolitan and State Economic Regions (MASTER) Model - Overview. PNL-4749. Pacific Northwest Laboratory, Richland, Washington.

Moe, R.J., R.C. Adams, and M.J. Scott. 1983. Regional Impacts of Increasing Energy Prices. Paper presented at the Western Economic Association 58th Annual Conference, Seattle, Washington, July 20-24, 1983.

Scott, M.J. et al. 1983. RED Model (1983 Version) Documentation Report. Final Report. Prepared for Harza-Ebasco Susitna Joint Venture, Anchorage, Alaska, under Contract 2311205912. Battelle, Pacific Northwest Laboratories, Richland, Washington.

Scott, M.J. and M.J. King. 1983. RED Model (1983 Version) User's Manual. Prepared for Harza-Ebasco Susitna Joint Venture, Anchorage, Alaska, under Contract 2311205912. Battelle, Pacific Northwest Laboratories, Richland, Washington.

Scott, M.J., P.M. Lewis, and D. Truby. 1983. Techniques for Analyzing Socioeconomic Impact of Synfuels: An Exploratory Assessment. Pacific Northwest Laboratory, Richland, Washington.

Scott, M.J., T.J. Secrest, and B.L. Coles. Alaska - Historic and Projected Oil and Gas Consumption. Prepared for Department of Natural Resources, State of Alaska by Battelle, Pacific Northwest Laboratories, Richland, Washington, January, 1982.

Scott, M.J. Use of 1980 Census Materials for Updating Forecasts of the Railbelt Electricity Demand Model. Prepared for Office of the Governor and Governor's Policy Review Committee, State of Alaska, by Battelle, Pacific Northwest Laboratories, Richland, Washington, January 1982.

Jacobsen, J.J. et al. 1982. (Co-author) Railbelt Electric Power Alternatives Study: Evaluation of Railbelt Electric Energy Plans. Volume I. Railbelt Electric Power Alternatives Study. Battelle, Pacific Northwest Laboratories, Richland, Washington.

King, M.J. and M.J. Scott. 1982. RED: The Railbelt Electricity Demand Model Specification Report. Volume VIII. Railbelt Electric Power Alternatives Study. Battelle, Pacific Northwest Laboratories, Richland, Washington.

Slavich, A.L., M.J. King, and M.J. Scott. 1982. Appendix-RED Model Users Manual. Battelle, Pacific Northwest Laboratories, Richland, Washington.

Adams, R.C. et al. 1982. (Co-author) Impacts of Large Price Increases in the Pacific Northwest. Final Report. Prepared for the Northwest Electric Power Conservation Planning Council. Battelle, Pacific Northwest Laboratories, Richland, Washington.

Scott, M.J. 1980. "Prospects for a Bottomfish Industry in Alaska," Alaska Review of Social and Economic Conditions, 17(1), April 1980.

Scott, M.J., K.D. Wells, J.W. Currie, M.J. King. 1980. An Exploratory Benefit-Cost Analysis of Environmental Controls on Hydrothermal Energy, PNL-3527, Pacific Northwest Laboratory, Richland, Washington, October 1980.

Swift, W.H., J.P. Haskins, and M.J. Scott. 1980. Beluga Coal Market Study. Prepared for the State of Alaska, Office of the Governor, by Battelle, Pacific Northwest Laboratories, Richland, Washington, December 1980.

Scott, M.J. 1979. Southcentral Alaska's Economy and Population, 1965-2025: A Base Study and Projection. Final Report of the Economics Task Force, Southcentral Alaska Water Resources Study (Level B) to the Alaska Water Study Committee. University of Alaska Institute of Social and Economic Research, January 31, 1979.

Goldsmith, O.S., E.L. Gorsuch, T.L. Huskey, M.J. Scott, and A.R. Tussing. January, 1978. The Permanent Fund and the Growth of the Alaskan Economy: Selected Studies. A report for the House Special Committee on the Alaska Permanent Fund. University of Alaska Institute, of Social and Economic Research.

Scott, M.J. and P. Stout. 1978. Standards for Determining Child Support Obligations in Alaska. State of Alaska Department of Revenue, Child Support Enforcement Agency.

Scott, M.J. October, 1978. "Analysis of the Costs of Delay in the Trans-Alaska Pipeline Project." Appendix to T. Morehouse, et al., Fish and Wildlife Protection in the Planning and Construction of the Trans-Alaska Oil Pipeline. U.S. Department of Interior, Fish and Wildlife Service. FWS/OBS-78/70. Washington, D.C. Government Printing Office.

Scott, M.J. 1978. "Behavioral Aspects of the State of Alaska's Operating Budget FY 1970-FY 1977." An Analysis Funded by the Legislative Affairs Agency, Alaska State Legislature and National Science Foundation Man in the Arctic Program, March 31, 1978.

Scott, M.J. 1978. "Fiscal Consequences of Energy Resource Development: Planning for Government Services in Alaska." Man in the Arctic Program Working Paper. Presented at the Western Economic Association 53rd Annual Meeting, Honolulu, Hawaii, June 22, 1978.

Scott, M.J., W. Alves, T. Lane, and R. Childers. 1978. The Effects of Regional Population Growth on Hunting for Selected Big Game Species in Southcentral Alaska, 1976-2000. A report for the Coastal Fish and Wildlife Resource Profile of Southcentral Alaska. U.S.F.W.S. Contract 14-16-0009-77-0777. University of Alaska Arctic Environmental Information and Data Center, August 4, 1978.

Scott, M.J. 1978. "Estimating Economies of Scale in Alaskan Industries." A paper presented to the Symposium on Economic Modeling in Alaska. Anchorage, Alaska, October 20-21, 1978.

Scott, M.J. and L..E. Leask. 1978. "Prices and Incomes--Alaska and the U.S.", Alaska Review of Social and Economic Conditions, 15(3), December 1978.

Scott, M.J. 1977. Alaska Interregional Cost Differentials. Center for Northern Education Research, University of Alaska, 1977.

Scott, M.J., 1977. Practical Issues in Long-Term Fiscal Planning for Alaska. Prepared contract to the State of Alaska Division of Policy Development and Planning. University of Alaska Institute of Social and Economic Research, April 1977.

Scott, M.J. 1977. "The Growth Consequences of Alternative Mineral Lands Leasing Policies." Paper presented at the Western Economic Association 52nd Annual Meeting, Anaheim, California, June 20, 1977.

Goldsmith, O.S., J.A. Kruse, C.L. Logsdon, and M.J. Scott. 1976. A Preliminary Overview of the Economic and Social Effects of the Proposed Northwest Gas Pipeline on Alaska. Contract to Gulf Interstate, Inc., Houston, Texas, University of Alaska Institute of Social and Economic Research, June 18, 1976.

Scott, M.J. 1976. "Petroleum Conservation Regulation and the Economics of Oil Field Organization." Paper presented at Western Economic Association 51st Annual Meeting, San Francisco, California, June 25, 1976.

Scott, M.J. 1976. "Some Aspects of the Economic Impact of OCS Development in Alaska," Science in Alaska 1976. Proceedings of the 27th Alaska Science Conference, August 4-7, 1976. Alaska Division, American Association for the Advancement of Science, 1976.

Scott, M.J. (Anonymous Coauthor). 1976. Electric Power in Alaska, 1975-1995. Report of the Electric Power Study for the State of Alaska. State of Alaska House Finance Committee, Second Session, Ninth Legislature, August 1976.

Crutchfield, J.A., R.L. Stokes, M.J. Scott, and W.M. McHugh. 1975. The Washington Baseline Study--Marine Economic Component, Institute for Marine Studies, University of Washington, 1975.

Scott, M.J. 1975. Analysis of Economic and Social Impact of Alternative Routes to the Alaska Arctic Gas Pipeline: An Economic Analysis. Prepared for the U.S. Department Interior, Bureau

of Land Management, Alaska Natural Gas Transportation System Task Force. Contract YA-512-CT6-68, December, 1975.

Scott, M.J. 1975. Some Implications of Petroleum Conservation Regulation. Ph.D. Dissertation in Economics, University of Washington, University Microfilms, 1975.

Scott, M.J. and J.A. Crutchfield. 1973. "Economic Criteria for Low Flow Standards," Washington Water Research, Report No. 13, June 1973.