200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Mr. Lon Crow
Federal Energy Regulatory Commission
Office of Energy Projects
888 First Street, NE
Washington, DC 20426

Subject: Docket No. AD04-4-000 Application to be considered for panel member list for hydropower licensing study dispute resolution

Dear Lon:

Please consider this my application to be considered as a potential panelist in the newly created ILP dispute resolution process. The areas of expertise I can contribute include aquatic and terrestrial biological sciences.

Education and Academic Experience. I hold a Ph.D. in Evolution and Ecology from the University of Kansas (1974) and a B.A. in Biology from California State University Northridge (1969). My Ph.D. and post-doctoral research utilized in mammalian species to better understand causation and correlation among evolutionary, genetic and ecological macro and micro processes. My academic experience included appointments at the University of Illinois-Chicago (Assistant Professor); University of Chicago (Committee on Evolutionary Biology held simultaneously with a curatorial appointment at the Field Museum of Natural History, Chicago).

Hydropower Industry. In 1981, after 12 years of academic teaching and research I joined Harza Engineering Company as an ecologist. The focus of my work changed from theoretical biology to applied environmental assessment and mitigation at hydroelectric power and dams, but also other types of projects including agriculture, mining, water supply and urban development. During my tenure of 20 years at Harza I held positions of senior scientist, project manager, office manager regional manager, and Associate (principal) of the firm. Three years ago, I joined GEI Consultants where, as Environmental Practice Leader, I manage projects, staff and offices in the Pacific Northwest. My experience includes negotiating and resolving contentious issues involving study design, minimum flow required, the need for specific resource study, interpretation of model data. Model experience includes IFIM, hydrologic, reservoir and power operations, and dynamic water quality models. Currently I am the project manager of the preparation of the Intermountain Province fish and wildlife plan for the involving three states, five tribes, and three federal agencies over the effects of the federal power system on the Upper Columbia Basin. I also had the unique experience of having managed studies for the Northwest Power Planning Council

to evaluate the cost and benefits of removing the four lower Snake River dams to preserve endangered salmon. Details of these are in the attached resume.

FERC Experience. I have prepared, directed or assisted in environmental studies, reports and exhibits to support FERC license applications for exemption, amendment, new licenses and initial licenses at approximately 35 different hydroelectric installations in 10 states. Since 1989, anadromous fish issues at federal hydropower installations primarily the Columbia and Snake river systems have taught me much about fish passage, water quality, endangered species and economics. I am familiar with ILP and the dispute resolution process as a consultant supporting relicensing of the Mystic Lake Hydroelectric Project in Montana and the Tacoma and Ames projects in Colorado.

Experience with Small and Large Hydro. I have worked on projects built near the turn of both the 20th and 21st centuries. Although I have extensive experience on relicensing small to moderate sized installations, I have been exposed to nearly every type of hydropower installation from small and conduit exemptions on water supply systems, the 22,000 Mw Federal Columbia River Power System and large pump-storage projects such as Rocky Mountain (1000Mw) in Georgia. Installation experience includes conventional, pump-storage, multi-dam systems, high head and low head, small and large facilities and multi-year storage reservoirs. I have worked on some unconventional projects where hydro was integrated with a thermal power plant (Ottertail Power, Minnesota).

Experience with a Variety of FERC Proceedings. I have participated or led efforts for traditional and competitive applications, dispute resolution processes, agency and tribal negotiations, and now the ILP process. I have little experience with the alternative licensing process but have followed it closely in the literature.

Geographic Experience. My FERC project experience includes New York, Mississippi, Alaska, Georgia, the Midwest, and Great Lakes states, the Pacific Northwest, the Rocky Mountains and California. I also have some experience in mitigation of hydropower impacts outside the USA (2300 Mw Yacyreta, Argentina plus developments in Costa Rica). Because of Harza involvement in large hydro overseas, I authored several supporting documents for the 2000 World Commission on Dams Report presented in South Africa.

Integration with Other Issues. Although my technical expertise is focused primarily on issues related to fish, wildlife and water quality, I have managed multi-disciplined projects involving asset management, economic balancing issues, cultural resource studies, recreational studies, dam safety investigations and emergency action plans. From this, I learned how competing interests and needs must be balanced. I have been in the National Hydro Association since 1984.

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Related Fish Wildlife and Water Quality Experience. Currently, I am the project manager of the Intermountain Province Fish and Wildlife Plan. This Plan is required by the Northwest Power Planning Council to mitigate impacts to fish and wildlife from the 22,000 Mw Federal Columbia River Power System in six major subbasins upstream of Chief Joseph and Grand Coulee dams. This assignment encompasses two states, five tribes, involves three federal agencies in an area approximately the size of Massachusetts, New Jersey and New Hampshire.

Peer Review Experience. Prior to my work in the hydropower industry, I served as Principal Investigator of research funded by the National Science Foundation. In 2002, I served on the Northwest Power Planning Council's Independent Scientific Review Group to help rank all proposed mitigation and research for the Columbia River Federal Power System. I have published in the peer reviewed scientific literature (e.g. Journal of Evolution and Biological Journal of the Linnean Society, London). My current strengths are primarily as a scientist and a manager, but along the way I have learned a few things about negotiation and dispute resolution by watching others plus some short course training.

Responsibilities and Potential Conflicts. My current responsibilities are varied but flexible. They include approximately 12 projects and three offices in the Pacific Northwest-Rocky Mountain region. Approximately eight of those projects are FERC related.

Specific Areas of Expertise. I have prepared many applications and Exhibit E's requiring consultation under the Fish and Wildlife Coordination Act, the Endangered Species Act, Clean Water Act, Section 18 of the Federal Power Act involving fish passage and under the Electric Consumer Protection Act. Attachment A provides reference to specific types of experience in my resume:

References. If you feel I could be of help in the new ILP dispute resolution process, please feel free to contact me. Also you may contact the references in Attachment B to corroborate my abilities and interest in the subject areas. I would appreciate your courtesy to allow me to notify them if you intend to call on them.

Sincerely yours,

John J. Pizzimenti, Ph.D.
Environmental Practice Leader
GEI Consultants, Inc.
311 B Street, Suite F
Lake Oswego, Oregon 97034
503-697-1478

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Attachment A
List of Disciplinary Experience
Supporting Detail in Attached Resume

Water Quality: Southern Illinois Surface and Underground mine impacts to surface waters and invertebrate and fish communities (Old Ben Coal); AML No. 11 Mine Reclamation, Wyoming DEQ; Gas Supersaturation Data Analyses for, Federal Columbia River Power System (Bonneville Power Administration); Review of EPA Thermal Model of the Snake River (BPA); Thermal Model and Decision Support System for Madison Dam, (PPL Montana); Sediment impact assessment from dam operations of Missouri River Hydroelectric Projects, (PPL Montana); Temperature and toxin impacts Escanaba River (Mead Paper); Water quality reports from FERC projects in Colorado, New York, Mississippi.

Instream Flows: Used various instream methods for determining minimum flows at hydroelectric projects in New York Croton, Catskill and Delaware watersheds (Bureau of Water Supply); Ottertail River, Minnesota (Ottertail Power); Escanaba River (Mead Paper); Salida Hydro and Georgetown Hydro, Colorado (Public Service of Colorado); Grandfather Falls, Wisconsin River (Wisconsin Public Service); Daily Time Step Model of the Snake River Basin to simulate natural stream flows using the State of Idaho Department of Water Resources IDWR Model (Idaho Power Co.). Methods included wetted perimeter, Oregon method, IFIM PHABSIM; Wyoming Method, Tennant Method and BOGSAR method (Bunch of Guys/Gals Standing at the River). Methods included transformation and simulation of hydrologic data where no gage records existed as well as installations for monitoring new data.

Fish Passage: Performed field data collection and or analyses at the Federal Columbia River Power System for juveniles and adult salmonids (BPA); Menominee and Park Mill Hydro turbine mortality, Wisconsin (Scott Paper); Salida Hydro turbine mortality (PSCC); Thompson Falls Dam resident fish passage (PPL Montana); Poe Dam, N. Fork Feather River anadromous introduction (PG&E); Milltown Dam resident fish passage (Montana Power Company) and others.

Macro-invertebrates: Southern Illinois Surface and Underground mine impacts to surface waters and invertebrate and fish communities (Old Ben Coal); Piscasaw Creek Restoration Project (Trout Unlimited); Clackamas River R&D Study, (PGE).

Threatened and Endangered Species: Bull Trout; Westslope Cutthroat Trout; Chinook salmon; sockeye salmon; chum salmon; red-band trout; green-back cutthroat trout; pacific lamprey; Klamath River suckers (three species);

bald eagle; grizzly bear; lynx; timber wolf; prairie dog (3 species); peregrine falcon; various plants.

General Fishery Impact Studies: Numerous hydroelectric projects in virtually every hydroelectric license application. Prepared EA for FERC's NEPA Contractor on Wisconsin Hydro (multiple projects subcontracted to Berger). Prepared a Biological Assessment for FERC at Thompson Falls Dam (PPL Montana).

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Attachment B
References for John J. Pizzimenti

Mr. Jon H. Jourdonnais
Environmental Affairs Manager
PPL Montana
Butte, Montana
406-522-3443

Mr. Alfred Hughes
Hydropower West Manager
XCEL Energy
Durango, Colorado
970-247-8363

Mr. Greg Policky
District Fishery Biologist
Colorado Division of Wildlife
Salida, Colorado
719-530-5525

Mr. Roy Fox
Risk Assessment Officer
Bonneville Power Administration
Portland, Oregon
503-230-4431

Ms. Marla Barnes, Editor
Hydro Review Magazine
HCI Publications
Kansas City, Missouri
816-931-1311 x106

Dr. Robert S. Hoffmann
Assistant Secretary for Science
The Smithsonian Institution
Washington D.C.
202-357-4482

Mr. Richard Westmore, P.E.
Branch Manager
GEI Consultants, Inc.
Denver, Colorado
303-662-0100

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

JOHN J. PIZZIMENTI, Ph.D.
SENIOR PROJECT MANAGER

EDUCATION

Ph.D., Evolutionary Biology, University of Kansas, 1974
B.A., Biology, California State University at Northridge, 1969

BACKGROUND

Dr. Pizzimenti has spent the last 20 years focused on environmental analyses of hydroelectric projects. He is a member of Hydropower Steering Committees, Regulatory Committees, and Planning Committees for HydroVision, Water Power and National Hydropower Association for the past 15 years. Known to FERC, John has prepared or directed over 100 reports involving FERC Licensing, fish passage, water quality, endangered species, and habitat restoration. He has presented new analytical methods (HQI) to the FERC. He has been the project manager or lead scientist on the FERC Consultation and License Preparation on 35 Relicenses in 10 states since 1982. He is currently guiding Stage III Consultation at the Salida Hydroelectric Project where he directed both Stages I and II and successfully assisted Public Service Company Colorado in obtaining two new licenses. That project is nearly identical in configuration to the San Gorgonio Project. He is also working on Stage III consultation for PPL Montana and Montana Power Company. In addition to his significant experience in California and Colorado, during the past 10 years, he has recently worked on hydroelectric projects on the Columbia, Snake, Madison, Missouri and Clark Fork rivers in the Pacific Northwest. These projects range in size from under 5 Mw at Salida, to the 22,000 Mw federal hydropower system on the Columbia River. He is a technical expert and commonly leads agency consultation.

Prior to joining GEI, Dr. Pizzimenti served as a regional and office manager in the Pacific Northwest for Harza Engineering Company for over 12 years. He now manages GEI operations in three Pacific Northwest offices. Recent clients include Northwest Power Planning Council, BPA, City of Portland, Clackamas County, US Fish and Wildlife Service, Avista and PPL-Montana.

FERC EXPERIENCE

FERC License for Five Hydroelectric Projects, Otter Tail River, MN. Supervised and managed the following tasks: dam safety, Part 12 Reports; field investigation program; flood studies; preparation of emergency action plans; agency consultation; environmental studies; and license preparation. The team resolved troublesome issues of dam stability and environmental impacts. Major challenges included old structures on earth foundations**,** ***minimum flow impacts,*** loss of power and energy at adjacent steam generating station, historic structures in urban locations. Studies in progress, draft license in preparation (1989).

Lead Scientist, Environmental Program Manager. Preparation of FERC Exhibit E, Environmental Report for 15 hydroelectric dams with existing major licenses pending on four river basins in Michigan. Prepared and reviewed an environmental and agency consultation documents for relicensing according to ECPA regulations (PIP, ICP, Staged Consultation, etc.). Scoped, budgeted and supervised the following environmental study programs: ***water quality, fish entrainment, IFIM, cultural resources, toxic sampling, wildlife, and recreation. Negotiated study plans with agencies***. (1989).

FERC Schedule A&B for two unlicensed existing hydroelectric installations, Grand River, MI. Applicant had major deficiencies in license application with less than 45

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

days to correct. Project manager for the preparation of a response to FERC and designed/negotiated environmental study programs to address ***fish entrainment, water quality, fish passage (salmonids), fish diversion screened intakes, project operation*** and need for power. Studies and meetings were conducted within the 30-day contract period to meet the FERC deadline (1989).

Environmental Study Design and Resolution of Environmental Issues for Delaware, Croton and Esopus Rivers, NY. Project manager for the preparation of an environmental study. ***Minimum flows and water quality below dams and protection of trout*** were at issue. Established studies and conditions needed to add hydropower and protect fish. FERC issued license to construct projects. Agencies: New York DEC, U.S. Fish & Wildlife Service.

Environmental Study Design and Resolution of Environmental Issues for Pearl River, MS. Water quality below Ross Barnett dam and stripped bass migration were at issue. Incorporated water quality protection design and operation criteria into hydroelectric facility. Developed ***fish entrainment/fish passage model*** and study program. Mississippi awarded ***water quality certificate***, approved project. Agencies involved were Mississippi DNR and Department of Wildlife Conservation.

Escanaba River, AuSable River, Muskegon River, Manistee River, MI. At issue were fishery and water quality protection below hydroelectric facilities, for FERC licenses. Oversight study plans for ***IFIM, fisheries, water quality and recreation***. ***Negotiated study plans*** with Michigan DNR and U.S. Fish & Wildlife Service (1989).

Bonneville Power Administration Agency Consultation. As technical advisor on ***negotiations between the Bonneville Power Administration and state, federal and tribal agencies on restoration of salmon***, John provided technical input and review of issues related to hydropower, economics and fish. (1995-1998).

FERC Relicense of Salida and Georgetown Hydros. As project manager, John directed the three stage FERC process to obtain two new FERC licenses. One project involved two small high-head projects that bypass the natural river. The other involved preserving valuable water rights that were sold to the Coors Brewery in Colorado. John conducted agency consultation and directed all studies and document preparation.

California Green Energy. John identified potential "Green Energy" hydroelectric projects in California using databases extracted from the Internet for the California Energy Commission and Electric Power Research Institute. He directed preparation of Green Energy application on a project in Washington State.

13 FERC License or Exemption Applications for City of New York Bureau of Water Supply. From 1982 through 1985, John prepared the Exhibit E Environmental Reports for 13 FERC License Applications. These facilities were additions to one of the ***largest water supply systems in the world***. ***Conducted agency consultation among a politically charged atmosphere of contention between city and state agencies***. The project balanced water supply, and hydropower with historic and cultural resources, endangered species and recreation.

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Hydropower Condition Assessment, Federal Columbia River Hydropower System. As project manager, John managed a multidisciplinary team evaluation of the condition assessment of the Federal Columbia River Hydropower System. The team recommended $990 million in improvements as part of BPA's strategy submitted to Congress to manage the 22000 Mw System.

Federal Columbia River Power System Hydropower QA/QC. John led a review of the Monitoring and Evaluation of the all BPA fishery investments in the 22,000 Mw Federal Columbia River Power System. The team will make recommendations for changes to the investment program and to methods for ***recovering endangered salmon*** in the Basin.

Northwest Power Planning Council Independent Expert Hydro Operations. As an independent expert, John prepared and ***presented recommendations*** to the Northwest Power Planning Council on operation of the ***29-dam 22,000 Mw Federal Columbian Power System*** under 2001 drought conditions. The Council, which represents the four Northwest states, has adopted most of those recommendations.

Hydro EIS. As an independent reviewer, John contributed to BPA's Fish and Wildlife Implementation Plan EIS. This NEPA document facilitates the implementation of ***new fish and wildlife and tribal restoration projects*** throughout the Columbia River basin.

Salmon Model. As independent scientists, John led a review team to evaluate ***NMFS Viable Salmonid Population model*** to organize salmon recovery around preserving genetic diversity.

Independent Review. As an independent expert, he will serve the Northwest Power Planning Council ISAB – ***Independent Scientific Advisory Board*** in 2002. This group of expert scientists ***reviews proposal and generates technical analyses to enhance fish and wildlife*** in the Columbia Basin under Congressional Authorization.

Madison Hydroelectric Project Thermal Model, Ennis, MT. As project manager, John is overseeing development of a Decision Support System (DSS) to ***manage temperature*** on the Madison Hydroelectric Project, near Ennis Montana. Using special models and weather data from the Internet, the DSS will predict real-time river temperatures and allow flow changes to protect fish.

Fish Transport over Dams. John directed developed a Transport Plan for Bull Trout to protect these endangered fish in the lower Clark Fork River. As project manager, John led a project ream consisting of ***fish passage*** engineers and fishery scientist from USFWS, Montana Fish Wildlife Parks, Idaho Fish and Game, and Avista Corp.

Reservoir Drawdown, Great Falls, MT. As project manager, John is directing and providing QA/QC of studies to develop drawdown protocols of five reservoirs in the Missouri River near Great Falls, Mt. ***Contaminated sediments*** can mobilize and affect the downstream water quality, fish, wildlife and human health.

Milltown Dam Fish Passage. As project manager and senior scientist, John helped conceive four ***alternatives for fish passage*** at Milltown Dam, Montana for adfluvial bull trout and 12 other species of resident migratory species of fish. Final report was submitted to EPA for Record of Decision on Removal of Milltown Dam.

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Environmental Technologies at Dams. Led preparation of a report to enhance water quality, habitat and fish passage improvements at the 2300 Mw Yacyreta Hydroelectric Project, Argentina**.** Report addressed ***spillway flip-lip design, fish ladders, fish elevators, fish diversion screens, advanced turbine design, PIT tags, radio-tags, and Instream Flow Incremental Methods***. Final report to Entidad Binacional de Yacyreta.

Fish Passage Innovation. As a senior scientist, conceived a surface oriented spillway design and demonstrated cost-effectiveness as a tool for in-river salmon recovery. The multi-million dollar design-construction cost could be paid for in water savings within 22 days of operation at John Day Dam. Memo to Bonneville Power Administration.

Review of Dam Removal. As project manager, John evaluated alternatives and facilities at eight dams (10,000 Mw) for preserving endangered fish populations on the Snake and Columbia rivers for the U.S. Army Corps of Engineers. Published *Salmon Decision Analysis*, which received front-page news coverage in the *OREGONIAN*. Provided criteria for dam removal and eight other options under three Paths to salmon recovery.

Drawdown Study. As project manager, John led a third party review of $5.9 billion in design modifications to four Snake River dams and one Columbia River dam to preserve three stocks of endangered salmon. John presented Harza's Final Report to the Northwest Power Planning Council. (1992-1996).

Testimony. As an expert witness, John evaluated impacts and presented testimony on endangered Chinook salmon from development of the 500 Mw Coyote Springs gas fired co-generation facility on the Columbia River.

Blue Ribbon Trout. As project manager, John led a study of 13 different strategies to reduce ***temperatures*** in the Lower Madison River. The project will enhance one the nations' most famous blue ribbon trout fisheries for Montana Power Company.

Piscasaw Creek Trout Stream Restoration. As project manger of the Piscasaw Creek Restoration Project, John helped evaluate and ***restore an agriculturally impacted trout stream***. Trout Unlimited honored and published it in *Trout Magazine*. Participants: Illinois Department of Conservation, McHenry Conservation District, and Trout Unlimited. (1984-1989).

AWARDS

President, American Fisheries Society, Portland Chapter (1993-1994).

University of Illinois Course Development Award, "Use of Computers in the Biological Sciences." (1980)

National Science Foundation Research Grant/Ecology and Population Biology, Principal Investigator: A test of the niche variation hypothesis of Leigh Van Valen (University of Chicago). (1975-1978)

Expedition Leader, Field Museum Peruvian Zoological Expedition, a 6-month field collection of genetic, morphometric and ecological data in the Peruvian Andes. Funds: Private Donors and the National Science Foundation. (1976)

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

The Committee on Evolutionary Biology, University of Chicago. Adjunct faculty position. Primary activities: research, seminars and graduate thesis committees. (1975-1978)

Assistant Professor, Department of Ecology and Population Biology, University of Illinois-Chicago. Primary duties: research and graduate education. (1977-1981)

Scientific Research Review. Peer-reviewed manuscripts for publication in scientific journals and grant applications for NSF Funding. (1974-1981)

Assistant Curator of Mammals, Field Museum of Natural History, Chicago. Helped manage the fourth largest collection of mammalian specimens; conducted research, exhibit design, public education; graduate student education; and developed a modern genetics laboratory in the museum. (1974-1977)

PUBLICATIONS, REPORTS, AND PRESENTATIONS

"Resolving the Conflict: Protecting Endangered Species versus the Economic Limits of Hydropower." Hydro Vision '96, Orlando, FL. Participants discussed conflicts and solutions to hydropower impacts.

"Technologies to Protect the Environment: A Peek Into the future of Hydro." National Hydro Association '95. Washington, D.C. Participants addressed new technologies to improve passage and water quality.

"Balancing Power & Energy with Instream Flows: Where Shall the Twain Meet Under ECPA?" Northwest Small Hydroelectric Association '89, Portland, OR. Discussed conflict resolution regarding in-stream flows.

"Guide to Relicensing," Harza Engineering Company, Chicago, 1987. Streamlined approach to FERC requirements.

"Balancing of Hydropower and non-Hydropower Values." Conference co-chairman and moderator: Sources of Conflict and Non-Market Values. July 22-23, 1991 in conjunction with WaterPower '91. Jim Jura, BPA Administrator: Keynote Speaker.

"The Effect of ECPA on the Relicensing of Hydroelectric Projects," Land Management Quarterly, Edison Electric Institute, vol. 10, no. 2, 1987.

"Fisheries Concerns at Small Hydropower Facilities in Four Regions of the USA," w/D. Pott, and J. Meldrim. Proceedings of the Symposium on Small Hydropower and Fisheries, American Fisheries Society, pp. 478-480, May 1-3, 1985.

"Habitat Quality Index: An Alternative Technique for IFIM." Presented to FERC technical staff by invitation, April 15, 1993. Washington, D.C. Data demonstrating multivariate approach to in-stream flow needs.

"Fish Entrainment and Relicensing Hydroelectric Projects: Truths and Consequences." Q/K. Malone, J. Meldrim. Paper presented at Proceedings of Water Power '91, Denver, Colorado.

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

EIS-BPA's Fish and Wildlife Implementation Plan in the Columbia River basin. This document will regulate the annual expenditure of $485 million in fish and wildlife funding. Co-author. May 2001.

System Review of Hydropower Operations of the Snake and Columbia Rivers. Invited power point presentation to the Northwest Power Planning Council, March 2001.

"Salmon Decision Analysis – Lowe Snake River Feasibility Study". Final Report to US Army Corps, Walla Walla District. October 1996. Proposed expedited dam removal or alternatives using in-river and transport to recover listed anadromous fish. Demonstrated cost-effectiveness of 15 alternative tools for recovery.

"The Columbia-Snake River Flow Targets/Augmentation Program. A White Paper Review with Recommendations for Decision Makers." W/D. Olsen, J. Anderson, K. Malone, 1998 for Columbia-Snake River Irrigators. Reviewed potential to enhance salmon survival using flow modifications.

"Costs, Benefits, and Uncertainties of Nitrogen Supersaturation Mitigation on the Snake and Columbia Rivers." Invited Speaker to the American Fisheries Society, Annual Meeting August 1997, and Monterey, CA.

"Fish Passage Technologies." Panel Moderator, WaterPower '97, Atlanta, GA. New designs for fish passage.

"Improving Fish Habitat Downstream of Dams". Panel Moderator, WaterPower '97, Atlanta.

"IFIM Conference Proceedings: A Workshop and Symposium on the Instream Flow Incremental Method," J. Pizzimenti, editor, Chicago, IL< Jan. 12-13, 1989. National experts gathered for two-day discussions/seminars.

"Environmental Solutions that Work." Organizer and chairmen of session at National Hydropower Association, 1993 Annual Meeting, Washington, D.C.

"Snake Reservoir Drawdown, A Progress Report." Presented at WaterPower '93, August 13, 1993, Nashville, TN.

"Mainstream Passage, Flow Issues and Remedies," for the Endangered Salmon and Pacific Northwest Water Impacts session. Invited papers, ASCE 20th Anniversary Conference, May 5, 1993, Water Resource Planning Division. Seattle, WA.

"Fish Entrainment and Turbine-Induced Fish Mortality," Q&A columns, Hydro Review, April 1991 and June 1991.

200404145006 Received FERC OSEC 04/14/2004 12:06:00 PM Docket# AD04-4-000

Submission Contents

Letter to Lon Crow from John Pizzimenti
Ltr_to_Lon_Crow.doc····· 1-6

Resume for John Pizzimenti for FERC Panel
Pizzimenti_Resume.doc····· 7-12