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Summary of Qualifications

Over 20 years of experience in design, execution and evaluation of energy conservation and environmental development programs. Presently coordinating accelerated development and deployment of combined heat and power systems for federal facilities. Bilingual professional with extensive international experience.

Work History and Accomplishments

1990 to present **Oak Ridge National Laboratory, Oak Ridge, TN**
Team Leader, Engineering Science and Technology Division, Commercial Building Group

- Coordinate ORNL team that is encouraging energy conservation at federal facilities through innovative financing and proven but underutilized technologies.
- Coordinate accelerated development and deployment of combined heat and power initiative—a national initiative for federal facilities.

Team Leader, Environmental Strategic Objective, Guatemala

- Supervised and managed the \$6 million/year Environmental Strategic Objective portfolio, including the Maya Biosphere Project, for the U.S. Agency for International Development, USAID. Annual portfolio performance reviews resulted in ratings of the highest possible level, “exceeding expectations.”
- Coordinated and led the team to assure successful execution of the overall program involving \$60 million in total funding, twelve partner organizations and 250 field personnel.
- Conceptualized and drafted key elements of USAID's Natural Resource Management Strategy, including policy agendas and new project plans.
- Led project design teams integrating new approaches for civil society participation on national policy issues.
- Guided program and identified resources to build this objective, non-existent in 1990, to become one of the principal foci for USAID assistance in Guatemala.
- Provided direction and oversight for monitoring and reporting activities, the development of customer service plans, results-based indicators, internal assessments, external evaluations and audits.
- Managed multiple, multi-million-dollar, agreements with private contractors and conservation partners (TNC, CI, CARE, Peregrine Fund, Rodale and others).
- Led EIA scoping processes and supervised implementation of various Environmental Assessments, Programmatic and Site Specific, for programs involving forestry, sustainable agricultural technologies, tourism, land titling and park management.

1984 to 1990 **U.S. Agency for International Development, Central American Region**
Independent Contractor for Regional Environmental and Natural Resource Management (RENARM) Project

- Mobilized and directed the initiation of a seven country, \$60 million project that Ambassador Jack Hood Vaughn called the "most ambitious and complex natural resource management effort attempted in Central America."(1989)
- Created effective partnerships between international assistance agencies and private voluntary organizations (PVOs) by developing concepts and procedures to effectively address environmental concerns.
- Established an approach for project execution that leveraged over \$5 million of matching grants from private sources.

**Central American Research Institute for Industry and Technology
Advisor to the Director**

- Assessed institutional capacity and impacts after nine years of project assistance and provided recommendations for sustaining program benefits.
- Evaluated two regional projects promoting renewable energy technologies and energy conservation in industry.
- Edited 25 technical publications (30-150 pages each; most in Spanish) related to renewable energy resources and conservation issues. Assisted with research, drafting, layout and editing of over twenty additional proposals and reports.

Disaster Rehabilitation and Reconstruction Project, USAID Lima, Peru

- Managed and monitored national disaster reconstruction activities involving a USAID staff of 33, for this \$60 million project.
- Developed standardized systems for project selection, monitoring and performance reports. Resolved audit issues and documented achievements.
- Developed procedures for improved project planning and implementation in decentralized public agencies.
- Achieved a dramatic 300% increase in the implementation capacity of fifteen participating regional development institutions (CORDE's).

1980-1984

Peace Corps, Ecuador

- Planned, administered and facilitated the successful completion of 60 small projects involving renewable energy, agriculture, water, forestry and sanitation including earthquake-resistant housing design, windmills, methane gas digesters, solar water heating and fuel-efficient cook stoves.
- Assessed the feasibility of 150 small projects by establishing and applying evaluation criteria with beneficiaries to help them identify and implement the most appropriate solutions.
- Designed and conducted 45 technology-transfer events for trainers and community groups. Produced training curricula and applied non-formal education concepts.

Education and Training

M.Ed., International Education Program, 2000, Framingham State College, Framingham, Mass.
B.S., School of Natural Resources, 1979, University of Michigan, with distinction

Representative Publications

Analysis of CHP Potential at Federal Sites, ORNL/TM-2001/280, February 2002. Co-author with S. Hadley et al. Prepared for DOE Federal Energy Management Program.

Energy and Environmental Issues in Eastern Europe and Central Asia: An Annotated Guide to Information Resources, ORNL TM-2000/299, September 30, 2000. Co-author with K. Gant et al. Prepared for the U.S. Environmental Protection Agency under contract No. 62XSY696.

“Desarrollo Sostenible y el Proyecto de la RBM: Desafios, Avances y Reflexiones sobre Lecciones Aprendidas” (Sustainable Development and the Maya Biosphere Project, Challenges, Progress and Reflections on Lessons Learned), presented by K. Kline at the Dec. 2-4, 1999, International Researchers Symposium on Sustainable Development in the Peten, Flores, Guatemala. Final proceedings of the symposium published by FLACSO, Latin American Faculty for Social Sciences.

“The Maya Biosphere Project Six Years Later: What Has Changed? What Has Not? Remaining Challenges.” Keith Kline, July 1999. Paper presented to U.S. Agency for International Development in Guatemala and Washington, D.C.

Guatemala Program Results Review and Resource Request FY 2001, U.S. Agency for International Development, Guatemala-Central American Programs Mission (USAID/G-CAP). Chapter on Improved Natural Resource Management and Conservation of Biodiversity by Keith Kline, as Team Leader/Project Manager. March 1999. (This and other USAID documents can be obtained from USAID Development Experience Clearinghouse, 1611 N. Kent St., Suite 200, Arlington, VA, 22209-2111. E-mail: DOCORDER@dec.cdie.org.)

The Maya Biosphere Project, Request for Applications for Assistance (RFA), 1991; also the Regional Environmental and Natural Resource Management Project (RENARM) RFA's (three separate documents) 1990; published and distributed by AID-Guatemala and ROCAP/Guatemala, respectively.

"Biomass Consumption Trends in Central America" and "ICAITI's Regional Industrial Energy Efficiency Program (PEEIR)," in *Proceedings: Energex '88, Tripoli, Libya, November 1988*.

Salinas Solares (Solar Salt Drying), Central American Research Institute for Industry and Technology, ICAITI, Guatemala, 1988.

Approvechamiento de Efluentes de Biodigestores, ICAITI, Guatemala; 1988.

ICAITI's Role in Fuelwood Conservation in Central America," in *Proceedings: Stoves for People Workshop, Guatemala*. Foundation for Woodstove Dissemination, Utrecht, Holland; 1988.

"Final Report: Evaluation of ICAITI, Fuelwood and Alternative Energy Sources Project and Regional Industrial Energy Efficiency Project" (co-author); ROCAP/Guatemala; September 1987.

"Lorena and Improved Cookstoves in Rural Ecuador, Final Evaluation Report," Peace Corps, Information Center and Exchange, Washington, D.C., 1984.

"Involving Users to Develop Socially Acceptable Technologies," in *Proceedings: Latin American Workshop on Seismic Resistant Earthen Constructions*, Lima, Peru, May 1983.

"The Hydro Option," chapter in *Community Energy Options, Getting Started in Ann Arbor*, University of Michigan Press, 1982.

"Energy Quiz," in *Sierra* magazine, March 1979.

Other Pertinent Information

- Languages: Native English; fluent Spanish; some French and Quechua.
- Meritorious Honor Award, 1998; Distinguished Unit Citation, 1997; Superior Unit Citation, 1993; USAID's Certificate of Commendation for Outstanding Performance, 1986.
- University Honors 1977, 1978, 1979
- Kalamazoo Science Foundation Scholar, 1976-78

Certification of Accuracy

This resumé has been certified for accuracy by Keith L. Kline on February 21, 2002, and by Jeffrey Christian, ORNL Director, Building Technology Center, on February 21, 2002.