

**Qualifications of John R. Bartlit<sup>#</sup>  
in Engineering Economics**

**Education:**

- Bachelor of Chemical Engineering, Purdue University, 1956; courses in chemical engineering cost estimation and process engineering economics
- Doctor of Engineering, Yale University, 1963

**Experience:**

- Full-time employee at Los Alamos National Laboratory, 1962-93. Designed, costed, and purchased chemical processing equipment. Managed an engineering project of several million dollars annual budget.
- Citizen participant in numerous environmental regulatory hearings in New Mexico, 1969 to present; includes conducting extensive citizen cross-examination of witnesses, and presenting sworn testimony, subject to cross-examination, that analyzed the economic effects of pollution control requirements for the Four Corners Power Plant.
- U.S. Office of Technology Assessment (OTA), Washington, D.C., member of 15-member industrial panel to study and report on the impact that environment, public safety and health regulations have on the nation's economy, 1975.
- Proposed specific engineering changes to lower the costs of pollution control for a NM coal-fired power plant, a NM computer chip manufacturing plant, and oil and gas operations. The cost-saving ideas were implemented by the public utility and the chip manufacturer.

**Publications re Economic Data and Its Importance:**

1. "Subsystem Cost Data for the Tritium Systems Test Assembly," J. R. Bartlit, J. L. Anderson, and V. G. Rexroth, Proceedings of the 10<sup>th</sup> Symposium on Fusion Engineering, pp. 1186-92, Philadelphia, Dec. 5-9, 1983, IEEE Cat. No. 83CH1916-6 NPS
2. "Putting Environmental Economics in Perspective: Case Study of Four Corners Power Plant, New Mexico," John R. Bartlit, DChE, Am J Public Health 69:1160-1163, 1979. This is a peer-reviewed publication based on sworn testimony by J. R. Bartlit in "The Public Record of the New Mexico Air Quality Control Regulation Hearing before the Environmental Improvement Board, Regarding AQ Control Reg. 602 and 504, Farmington, NM, August 17-21, 1977," pp. 933-34 and 969-70 in the hearing record
3. "Why Not Cost/Benefit? - A Chemical Engineer / Environmental Advocate Takes a Fresh Look at an Old Issue," John Bartlit, *The Environmental Forum*, publication of the Environmental Law Institute, Vol. 3, No. 4, August 1984, pp. 14-18