



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

PDR

DONALD C. LUTKEN
PRESIDENT

March 4, 1983

Mr. James R. Tourtellotte
Chairman, Regulatory Reform Task Force
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Tourtellotte:

We have received your letter of February 8, 1983, concerning nuclear power plant backfitting and regulatory impact costs and are pleased to provide the attached information.

Construction of our Grand Gulf Nuclear Station began in 1974 and Unit 1 presently has a Low Power Operating License. This unit was built during a period of heavy proliferation of NRC requirements and the cost impact of these changes was significant. It is difficult to classify the changes as "backfits" in that the timing of the changes allowed many to be engineered and built as if they had been originally designed features. Others were backfitted in the true sense and involved replacing or adding materials and components into already congested areas of the plant. We have provided a lump sum number that represents direct cost impact of NRC regulatory proliferation for Unit 1 during the approximate period from CP to Low Power OL.

We endorse the work of your Task Force and sincerely hope that you are successful in helping to bring this problem under control.

Yours truly,

DCL:jh

Attachment

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Grand Gulf Nuclear Station - Unit 1

Mississippi Power & Light Company

The Grand Gulf Nuclear Station consists of two BWR-6 nuclear units, each with a capacity of 1250 MWe. Construction began in 1974 and Unit 1 received a Low Power Operating License in June 1982. The unit is expected to be in power operation by the end of 1983 with a projected cost of \$2.8 Billion.

In April, 1982 the utility performed an analysis to classify increased costs over the original estimate. The direct costs (excluding interest and schedule impact) of NRC imposed changes over the life of the unit was calculated to be \$447.5 Million. Other work of this type has been underway for the past 10 months and more is committed and scheduled for the first refueling outage. No attempt was made to estimate the costs subsequent to April 1982.