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Wednesday April 11, 1984

For more information contact the Corps District Office at 377-1300

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Value Engineering Applied to Diversified Projects



Necessity is the Mother of Invention
\$11 Million Saved on Willow Creek Dam

The U.S. Army Corps of Engineers (USACE) has saved \$11 million on the Willow Creek Dam project in California. The savings were achieved through the application of value engineering techniques during the design and construction phases of the project.

The Willow Creek Dam is a concrete gravity dam located in the Sierra Nevada mountains of California. It is the largest dam in the state and is one of the most important water supply and flood control projects in the West.

The USACE's Chief Engineer, Robert E. Schmitt, said that the project was a "textbook example of how value engineering can be used to save money without compromising the quality or safety of a project."

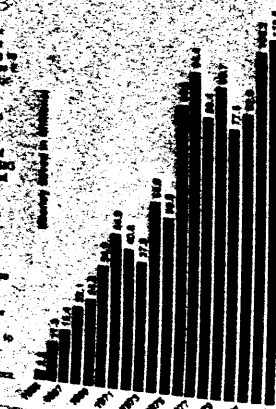
The savings were achieved through a variety of techniques, including the use of alternative materials, the elimination of unnecessary features, and the optimization of construction methods. The project was completed in 1982 and is now open to the public.



The Contractor's proposal included the temporary relocation of the dam's spillway gates and the installation of a 12' gate cover and a 12' gate stop. The project was completed in 1982 and is now open to the public.

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