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## Cogeneration, USD's Answer to Soaring Energy Costs

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# NEWS RELEASE UNIVERSITY OF SAN DIEGO



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FOR IMMEDIATE RELEASE

### COGENERATION, USD'S ANSWER TO SOARING ENERGY COSTS

Ever-escalating energy rates, coupled with continued growth of the University of San Diego, have made cogeneration a practical solution to the problem of controlling utility costs. Toward that end, the University of San Diego, announced President Author E. Hughes, has signed an agreement with Hawthorne Machinery Co. to construct a cogeneration system to serve all academic buildings on campus.

Construction on the system will begin immediately and should be fully operational by December, 1984. University officials estimate the project will result in significant economic advantages over conventional energy purchase procedures with anticipated savings between \$800,000 to \$1 million over the next ten years.

According to USD Physical Plant Director John Zeterberg, "Cogeneration has been under consideration for USD since 1980, and recent studies with the assistance of Brown, Zammit, Enyeart Engineering Co. and Intellicon, Inc., have demonstrated the economic viability of such a project. The University has signed a long-term contract with Hawthorne Machinery Co. to design, construct, and install a two-million dollar cogeneration system, that will be owned and operated by Hawthorne. Contracts, signed by USD President Hughes and Hawthorne Machinery Co. President J.T. "Tom" Hawthorne provide for the installation of the new energy plant on USD's campus, consisting of three 350 KW engines, switchgear, and auxiliary equipment. Cogeneration will provide virtually all electrical energy, heat and air conditioning for the main campus of the university.

Over the last three years, Hawthorne Machinery Co. has installed several similar systems, at locations such as Sea World, Children's Hospital, and San Diego Federal Savings and Loan.

Chief Engineer Don Linn of Hawthorne Engine Systems believes that "this is the first cogeneration system constructed for a university in San Diego County that will provide for the energy needs of all academic buildings on the campus."



University of San Diego President Author E. Hughes and Hawthorne Machinery Company President J. T. "Tom" Hawthorne sign contracts to provide for the design, construction and installation of a cogeneration plant on the USD campus. Cogeneration will provide virtually all electrical energy, heat and air-conditioning for the main campus of the university. Completion is scheduled for December, 1984.

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