

CENTER SERIES

MODULAR INTEGRATED URBAN SYSTEMS

In a February 10, 1971 message on environmental quality, President Nixon said that: "A great deal of our space research has been toward creating self-sustaining environments, in which people can live for long periods of time by reprocessing, recycling, and reusing the same materials. We need to apply this kind of thinking more consciously and more broadly to our pattern of use and disposal of materials here on earth." The result was a cooperative project, managed by HUD and researched by NASA, to develop an integrated utility supply system for electrical power generation, water processing, waste management, and environmental conditioning. The objective of the MIUS Project (Modular Integrated Urban Systems) was to optimize the performance of the total system rather than the performance of any single subsystem. The concept for the MIUS originated at JSC in a NASA Report on Housing Development, Volume 2, published in September of 1971. NASA designated JSC as lead center in light of this report and JSC's expertise in managing multi-element projects. The Center formed the Urban Systems Project Office (USPO) within the Engineering and Development Directorate to handle the work. The project continued for five years from 1971 through 1976. The material in this subseries was donated by Lyn Gordon Winkler whose paper on the MIUS is included in the collection. Correspondence and reports are arranged separately and filed chronologically. The majority of it is dated from 1971 through 1976.

Inventory

SubHeading:	Box Number: 1	
	MIUS / MIST related correspondence (8 folders)	1971 - 1980, n.d.
SubHeading:	Box Number: 2	
	Etnyre, Dr. Vance "Urban Systems Modeling Project"	1972
	Brandon, Dennis F. "A Marketing Research of the Attitudes of Real Estate Developers and Local Government Agencies Toward the Modular-Sized Integrated Utility System Concept"	April 1973
	MIST Status Presentation of HUD	July 13, 1973
	King, Robert J. "Public Utility Regulation Potential and Problems for MIUS Ownership"	August 1973
	Report of Space Environment Test Division Resources Expended in Support of the Urban Systems Project Office	April - December 1975
	FY 1975 and FY 1976 NASA Authorization Hearing before the Subcommittee on Manned Space Flight of the Committee on Science and Astronautics	1973 - 1974
	By the Comptroller General Report to the Congress of the United States HUD's Evaluation System - An Assessment	July 20, 1978
	Gordon-Winkler, Lyn "NASA and MIUS - A Study in Bureaucratic Failure"	December 11, 1981
	NASA Report on Housing Development, Final Report, Volume 2 of 2, Illustration of the Application of NASA Technology to Housing Problems	September 16, 1971
	A Compendium of Material on Modular Sized Integrated Utility Systems for Review by the Domestic Council. Prepared by HUD, EPA, NSF, NASA and AEC	September 27, 1971
	NASA - HUD Memorandum of Understanding Cooperative Agreement for MIUS	January 1972
	MIUS Presentation for the General Management Review	May 15, 1972

USPO MIUS Program Information	June 20, 1972
USPO - A Program Plan for Modular Sized Integrated Utility Systems, Draft and Final	June - September 1972
O'Neill, Joseph P. "Economic and Political Externalities in the Implementation of Modular-Sized Integrated Utility Systems"	July 5, 1972
O'Neill, Joseph P. "MIUS: Considerations of Market Analysis, Institutional Constraints and Site Selection"	August 1972
MIST (MIUS Integration and Subsystems Test) Memorandum of Understanding and Statement of Work	1972