

Product Data

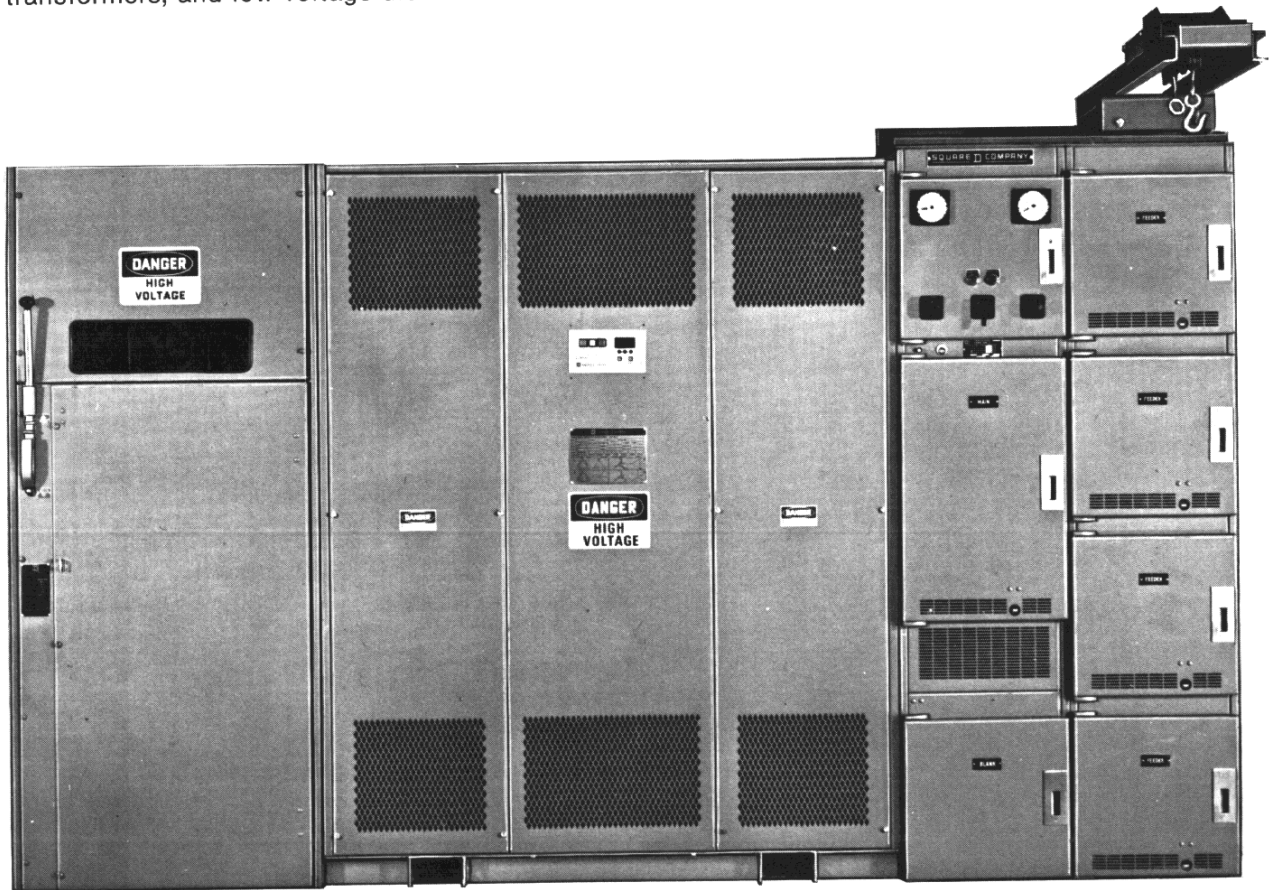
Bulletin MN-21
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File 6020

Subject: **UTILITY USER'S LIST — SECONDARY
UNIT SUBSTATIONS**

The Square D Company has, for over 25 years, been a supplier of unit substations using medium voltage switchgear, dry and liquid transformers, and low voltage drawout switch-

gear. Since the 1970's, Square D has been a major source of auxiliary substations for central station generating plants.



Square D can provide a wide variety of transformers to meet each specific requirement: Sorgel® ventilated and non-ventilated dry types; Power-Cast® cast resin ventilated dry type; Power-Zone® liquid (oil, RTemp® or silicone) types. The transformer is combined with Square D Company's HVL medium voltage

load interrupter switchgear and Power-Zone® II low voltage drawout switchgear, using DS power circuit breakers. The assemblies are designed and tested by Square D for one source coordination.

The following is a list of Square D Company's **major** substation orders for generating plants:

PLANT/UTILITY	SHIPPED	QUAN- TITY	TRANS- FORMER SIZE	TRANS- FORMER TYPE	ENGINEER
Gerald Gentleman No. 1 Nebraska P.P.D.	1976	1-DE 5-DE 5-DE 5-SE	750 kVA 1000 kVA 1500 kVA 2500 kVA	Silicone Silicone Silicone Silicone	Stearns-Roger
Boardman Plant Portland General Electric	1979	6-DE 2-DE 1-DE	1000 kVA 1000 kVA 2500 kVA	Vent. Dry Oil Oil	Bechtel
GRDA-1 Grand River Dam Authority	1980	1-DE 2-SE 1-DE 5-SE	1000 kVA 1500 kVA 2000 kVA 2500 kVA	Vent. Dry Vent. Dry Vent. Dry Vent. Dry	C.T. Main
McIntosh Plant No. 3 City of Lakeland (Florida)	1980	4-SE 2-SE	1500 kVA 1500 kVA	Vent. Dry Oil	C.T. Main
San Juan Plant Public Service New Mexico	1981	1-DE 1-SE 2-DE	1000 kVA 2000 kVA 2000 kVA	Oil Oil Oil	Davy-McKee (Sub)
Killen Plant Dayton Power & Light	1981	9-SE	1000 kVA	Vent. Dry	EBASCO
Unit 9 Muscantine Power & Water	1981	1-SE 1-SE 3-SE 1-DE 2-SE	500 kVA 750 kVA 1000 kVA 1000 kVA 1500 kVA	RTEmp RTEmp RTEmp RTEmp RTEmp	Stanley Consultants
Somerset Station Unit 1 New York State E & G	1982	2-SE 8-SE 2-DE 6-SE 5-DE	2500 kVA 2000 kVA 2000 kVA 1500 kVA 2000 kVA	Vent. Dry Vent. Dry Oil Vent. Dry Vent. Dry	EBASCO Systems Controls (Sub) (Coal Handling) Peabody Process Systems (Sub) (FGD)
Big Bend No. 4 Tampa Electric	Sch. 1983	3-DE 8-DE 3-DE	750 kVA 1000 kVA 1500 kVA	Cast Resin Cast Resin Cast Resin	Stone & Webster
J.K. Smith Unit 1 Eastern Kentucky Power	Sch. 1985	2-SE 4-SE 1-DE 1-DE 1-DE 1-DE 2-SE 1-SE 1-DE	1000 kVA 1500 kVA 1500 kVA 2000 kVA 750 kVA 1000 kVA 2000 kVA 2000 kVA 1500 kVA	Vent. Dry Vent. Dry Vent. Dry Vent. Dry Vent. Dry Vent. Dry Vent. Dry Vent. Dry Vent. Dry	United Engineers Systems Controls (Sub) (Crusher/Silo Area) DUCON (Sub)(Lime Handling) IU Conversions (Sub) (FGD-Sludge Stabilization) Babcock & Wilcox (Sub) (FPGP-Scrubbers)

SE = Single Ended
DE = Double Ended

In addition to these major orders, the following is a list of other utility users of Square D unit substations and switchgear:

Baltimore Gas & Electric
Cincinnati Gas & Electric
City of Lansing Board Water & Light
Consumers Power
General Public Utilities
Hoosier Energy Co-Op
Iowa Electric Light & Power
Mississippi Power
Monongahela Power Company

Niagra Mohawk Power Corporation
Pacific Gas & Electric
Power Authority State of New York
Public Utilities Division - Duluth
Southern Indiana Gas & Electric
Toledo Edison
Virginia Electric Power
West Penn Power

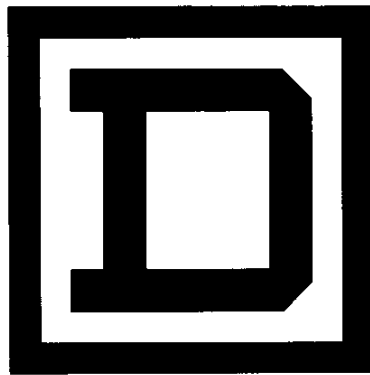
For further information on Square D substation products refer to the following publications:

TITLE	BULLETIN #
Power-Zone® Unit Substations	MT-6
Power-Zone® Load Center Unit Substations (Catalog)	6020
Power-Zone® HVL Switchgear 5 kV to 38 kV	MT-14
Power-Zone® HVL Load Interrupter Switchgear (Catalog)	6040
Sorgel® Dry Type Transformers (Over 600 V to 15,000 V)	D-1E (R-1)
Power-Cast® Transformers (Over 600 V to 34.5 kV)	EI-4
Power-Zone® II Switchgear	MT-12
Power-Zone® II Low Voltage Metal-Enclosed Drawout Switchgear (Catalog)	6030
Products for Electric Utilities	MT-11

For copies of the above publications or additional information contact your local Square D office or write: Square D Company, Dept. SA, Box 558, Middletown, Ohio 45042

B. LINDHOLM

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