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FROM: Pennsylvania Power & Light Co. Allentown, Pa N.W. Curtis		DATE OF DOC not dated	DATE REC'D 10-15-75	LTR XXXX	TWX	RPT	OTHER
TO: Mr. W.H. Regan, Jr		ORIG 1-signed	CC	OTHER	SENT NRC PDR SENT LOCAL PDR		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <u>60-387</u> and 388		
DESCRIPTION: ltr re their 9-29-75 telephone conversation furn changes and their construction schedule for Susquehanna Steam Electric Station trans the following				ENCLOSURES: Attach Drawings Fig. 1, 2, and 3 ACKNOWLEDGED DO NOT REMOVE			
PLANT NAME: Susquehanna 1& 2							

FOR ACTION/INFORMATION 10-18-75 JGB

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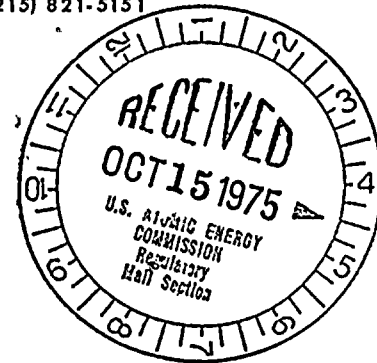
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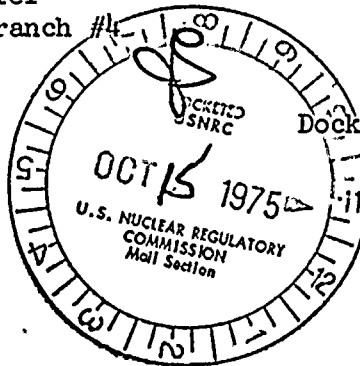
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Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Mr. W. H. Regan, Jr., Chief
Environmental Projects Branch #4

SUSQUEHANNA STEAM ELECTRIC STATION
TRANSMISSION LINE CHANGES
ER 100450 FILE 991-2
PLA-86



Docket Nos. 50-387 &
50-388

Dear Mr. Regan:

On September 29, 1975, our Mr. E. D. Testa informed your Mr. S. Bajwa by phone of recent changes in the transmission plans for Susquehanna Steam Electric Station (SSES). These changes and our construction schedule are described in this letter.

Major changes by other companies in the planned development of the Pennsylvania-New Jersey-Maryland bulk power system remote from SSES have required a change in the long-run transmission lines for SSES. These changes are required to provide adequate stability margin and transmission capacity in the northern portion of the PP&L system to accommodate the installation of SSES. Figure 1 shows the transmission lines as described in the Environmental Report - Construction Permit Stage (ER); Figure 2 shows the new arrangement. The changes, by segment, from the original arrangement as described in the ER are as follows:

1. The Susquehanna-Frackville 500 Kv line has been deleted.
2. The Susquehanna-Lackawanna 500 Kv line has been shortened by 11 miles and terminates at Stanton. The remaining portion of that line is identical with that described in the ER. It has been redesignated the Susquehanna-Stanton line and will be operated at 230 Kv. The line will originate from the existing Susquehanna 230 kv switchyard which is located about 1.5 miles east of SSES. The Susquehanna-Stanton line will be constructed with tubular steel H-Frame structures rather than the conventional lattice steel towers described in the ER. The H-Frame structures are, however, described in the ER for use near the plant site.

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[The body of the page contains extremely faint and illegible text, appearing as scattered black specks and light gray smudges. No words or structures are discernible.]

Mr. W. H. Regan:

Page 2

PLA-86

3. The Sunbury-Susquehanna No. 2 500 Kv line will be added. This line will be built on previously secured right-of-way adjacent to the existing Sunbury-Susquehanna No. 1 230 Kv line. Tower design has not been finalized at this time, but it will be either the steel lattice towers or the H-frame tubular structures.
4. A Susquehanna-Siegfried 500 Kv line will be added. A portion of this line will parallel existing transmission lines. The bulk of the remaining right-of-way was previously secured. The Susquehanna-Siegfried line will be connected to the existing Siegfried-Wescosville line, which is currently being upgraded from 230 Kv to 500 Kv (for other than SSES requirements), and will by-pass Siegfried Substation. H-Frame structures will be used for the Susquehanna-Siegfried line.
5. Figure 3 shows minor routing changes which will be made in the short-run line arrangement in the immediate vicinity of the plant. The original arrangement is shown in the ER on Figure 3.2.1.

The construction schedules for the new long-run transmission line segments are as follows:

<u>Line</u>	<u>Start of Construction</u>	<u>In-Service</u>
Susquehanna-Stanton	6/76	2/79
Sunbury-Susquehanna No. 2	6/77	9/81
Susquehanna-Siegfried	1/77	5/80

The construction schedule for the short-run lines in the vicinity of the plant is essentially the same as described in the ER.

The criteria for line design and construction and maintenance techniques to be used are the same as described in the ER. The applicable conditions for the protection of the environment specified by the NRC in the Susquehanna Construction Permits will, of course, be followed. The Environmental Report - Operating License Stage (scheduled submittal July, 1977) will contain detailed information on the transmission facilities for SSES.

If you require additional information please let us know.

Very truly yours,



N. W. Curtis

Vice President-Engineering & Construction

WEB:AAW



LEGEND

○ SUBSTATIONS AND SWITCHING STATIONS

⊙ GENERATING STATIONS

— 500 KV LINE

— 230 KV LINE

— Included In Environmental Report

C Converted to 500 KV Oper.

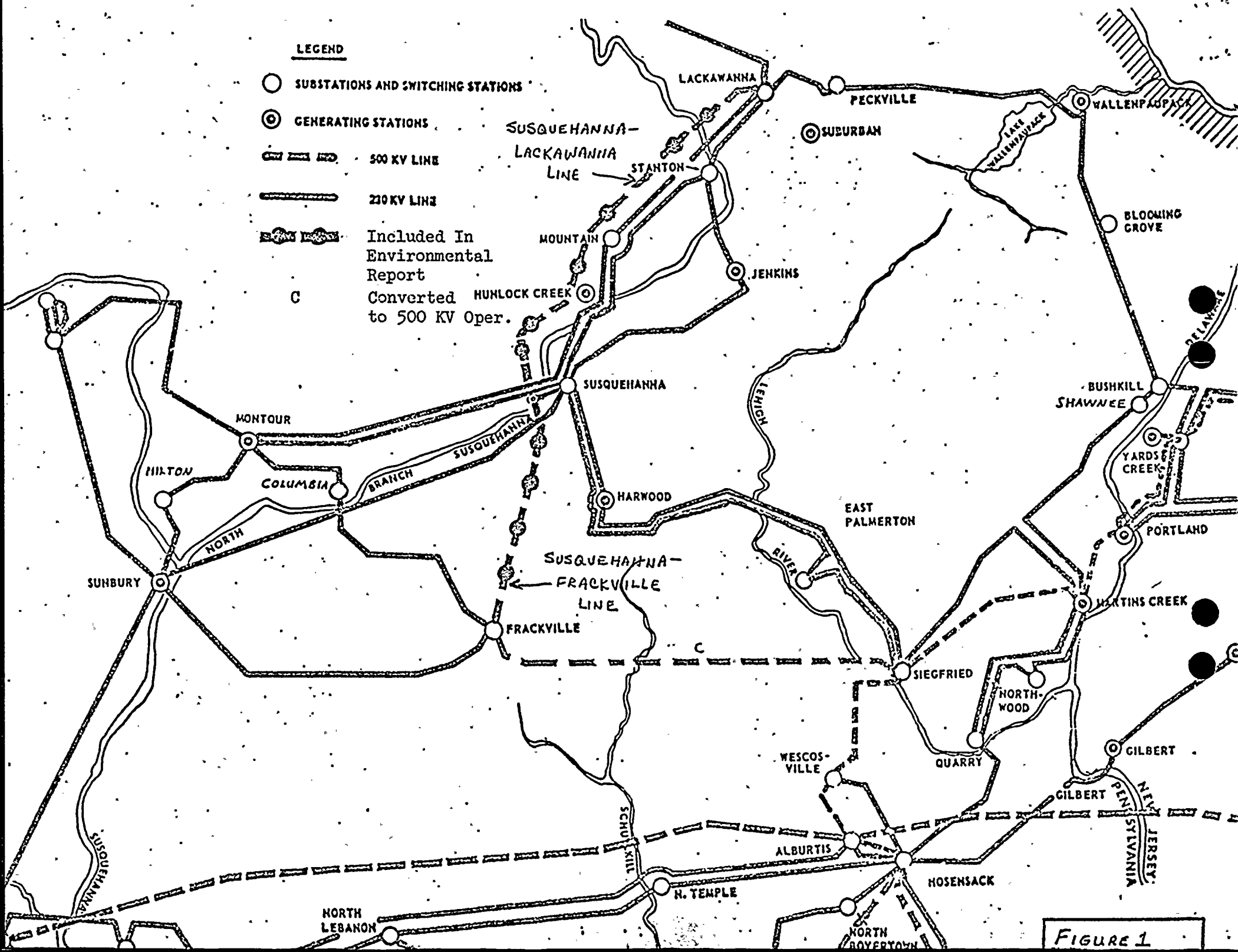
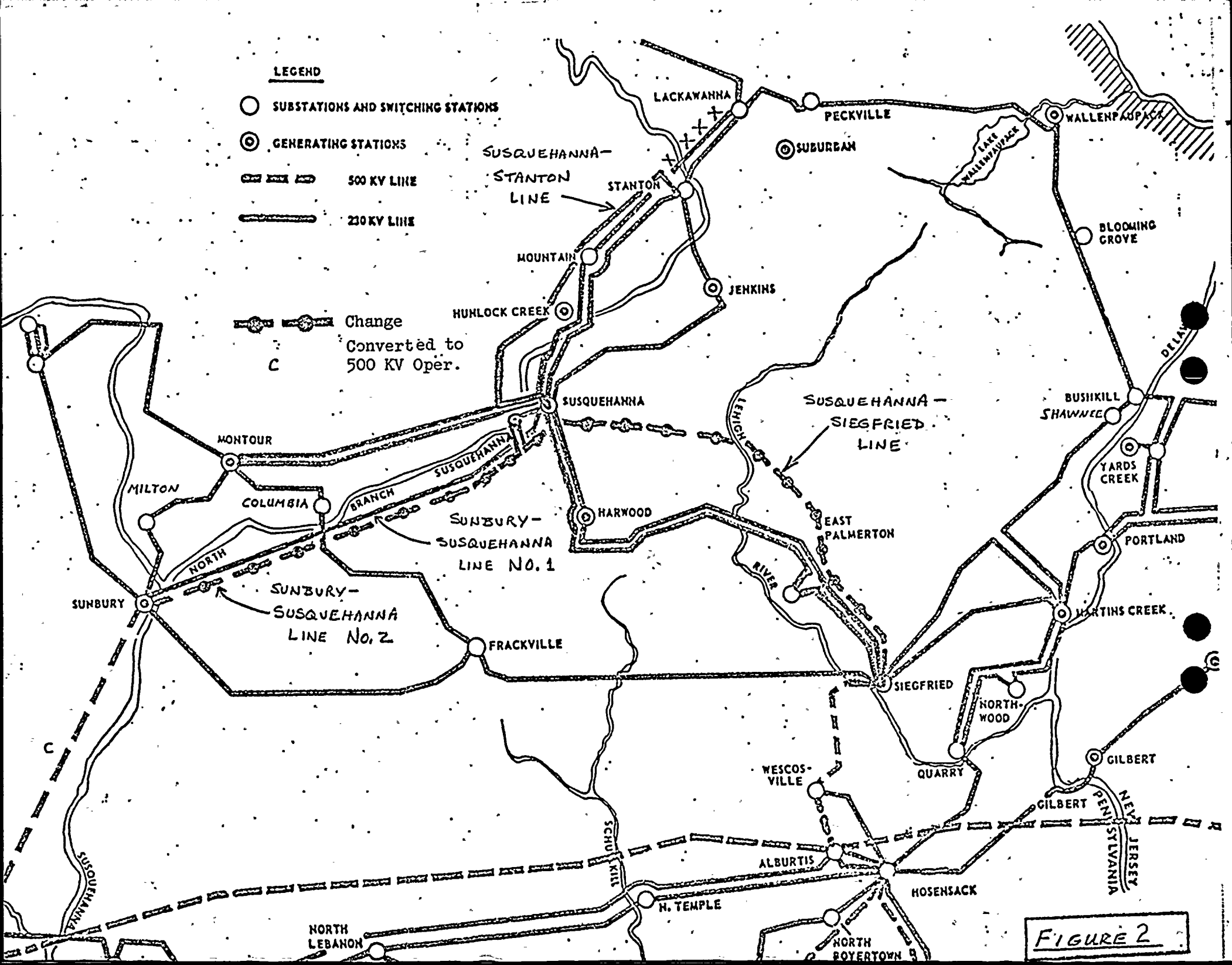


FIGURE 1





LEGEND

○ SUBSTATIONS AND SWITCHING STATIONS

⊙ GENERATING STATIONS

== 500 KV LINE

— 230 KV LINE

⊙—⊙ Change
Converted to
500 KV Oper.

SUSQUEHANNA-
STANTON
LINE

SUNBURY-
SUSQUEHANNA
LINE NO. 1

SUNBURY-
SUSQUEHANNA
LINE NO. 2

SUSQUEHANNA-
SIEGFRIED
LINE

FIGURE 2

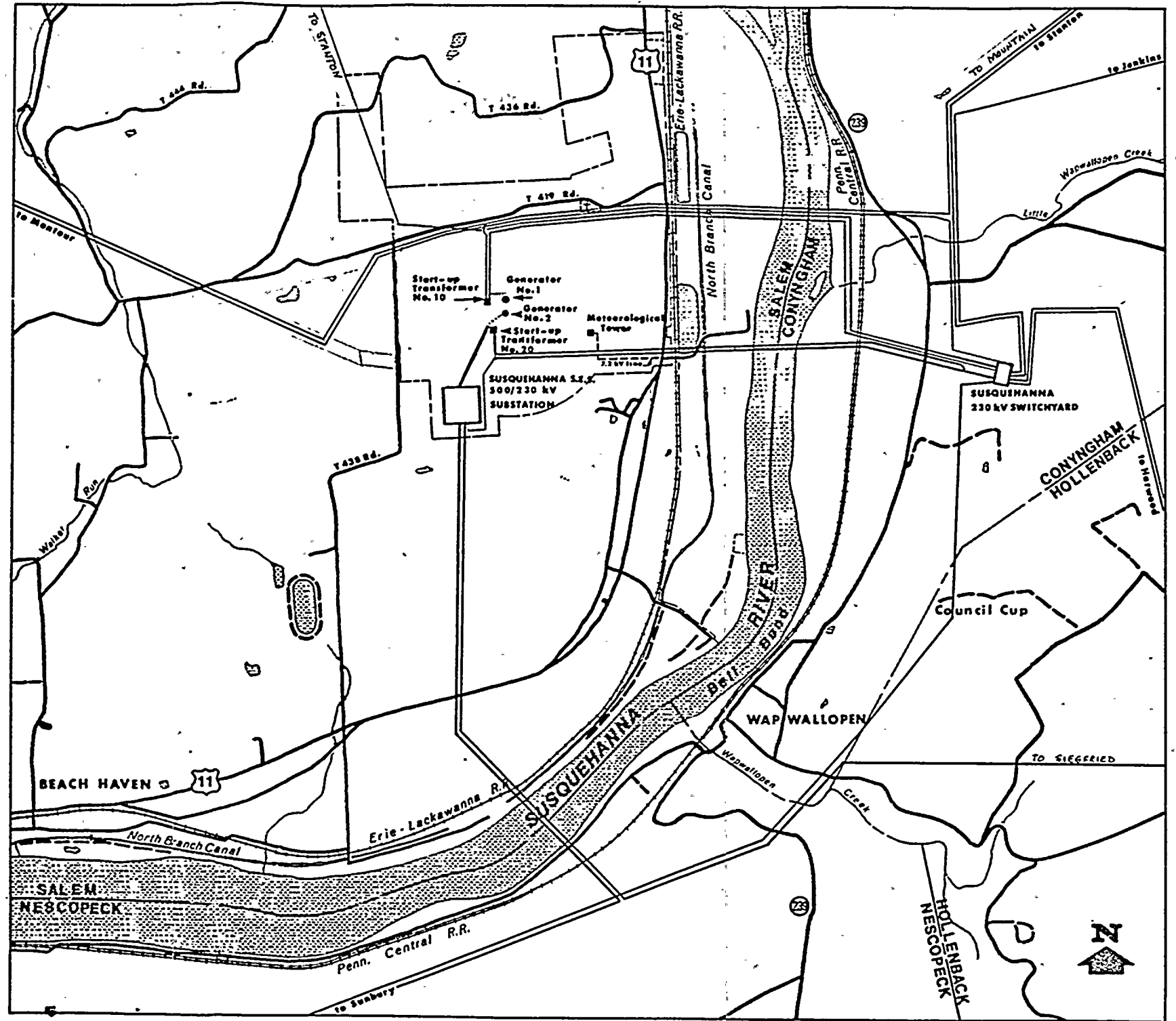


FIGURE 3

