

The nature of the surrounding terrain, antenna height, and transmitting power each have an effect on the total area covered by an ETV station broadcast signal. The maximum effective radiated power for ETV stations operating on VHF channels 2 through 6 is 100 kilowatts and for ETV stations operating on VHF channels 7 through 13 is 316 kilowatts. The maximum effective radiated power for ETV stations operating on UHF channels 14 through 83 is 5 megawatts. The coverage areas of ETV stations average from between 15 to 70 miles.

Based on the average operating schedule, it is estimated that most of an ETV station's broadcast equipment fully depreciates over a 10-year period.

2. EXISTING CAPITAL PLANT IN THE UNITED STATES

(a) As of June 30, 1965, there were a total of 103 ETV stations in operation in the United States and Puerto Rico.

(b) These facilities were distributed as follows:

Alabama.....	5	Nebraska.....	1
Alaska.....	0	Nevada.....	0
Arizona.....	2	New Hampshire.....	1
Arkansas.....	0	New Jersey.....	1
California.....	7	New Mexico.....	1
Colorado.....	1	New York.....	3
Connecticut.....	1	North Carolina.....	1
Delaware.....	1	North Dakota.....	1
District of Columbia.....	1	Ohio.....	8
Florida.....	7	Oklahoma.....	3
Georgia.....	5	Oregon.....	2
Hawaii.....	0	Pennsylvania.....	5
Idaho.....	0	Puerto Rico.....	2
Illinois.....	3	Rhode Island.....	0
Indiana.....	0	South Carolina.....	2
Iowa.....	1	South Dakota.....	1
Kansas.....	0	Tennessee.....	2
Kentucky.....	1	Texas.....	5
Louisiana.....	1	Utah.....	5
Maine.....	4	Vermont.....	0
Maryland.....	0	Virginia.....	2
Massachusetts.....	1	Washington.....	5
Michigan.....	3	West Virginia.....	0
Minnesota.....	3	Wisconsin.....	3
Mississippi.....	0	Wyoming.....	0
Missouri.....	2		
Montana.....	0	Total.....	103

(c) The 103 ETV stations in operation as of June 30, 1965, were physically located in cities of the following population size:

500,000 or more.....	22	10,000-49,999.....	23
100,000-499,999.....	41	2,500-9,999.....	6
50,000-99,999.....	10	Under 2,500.....	1

ETV stations provide a broadcast service to a much wider area than the cities wherein they are physically located. For example, ETV station KCSM-TV is located in San Mateo, Calif., which has a population of 69,870. However, the station provides a broadcast service to an area which has a total population of 2,385,866. ETV station WNDT is located in Newark, N.J., which has a population of 405,220. The station currently serves a population of 11,400,000