

EXHIBIT 10 First non-commercial aural service population count

The proposed station in Cape Vincent, NY would provide first/second non-commercial service as follows:

15,611 total population served
5,012 people would receive a First NCE/FM service.
5,000 people would receive a Second NCE/FM service.
10,012 people would receive a First or Second NCE/FM service

First NCE/FM service would be received by 5,012 people, which is 32% of the population served and more than 2,000. Applicant therefore answered YES to Section III, question 1.

Other non-commercial educational stations included in this study:

WJNY	ch 215	Watertown, NY
WSLJ	ch 205	Watertown, NY
WKWV	ch 211	Watertown, NY
WRVJ	ch 219	Watertown, NY

NCE service population counts were computed as follows:

The distance to the 60dbu f(50,50) signal was calculated for 3600 radials spaced evenly every 0.1 degree, and an intercept program was used to determine the coordinates from the distance and bearing. The 60dbu contour thus consists of a 3600-sided polygon. For each US Census Bureau population centroid in the area, a determination was made as to whether the centroid was located in the contour polygon. The population inside the contour is the sum of the populations of the centroids that fall within the contour.

For each centroid, a count was made of the number of contours enclosing it, and the centroid was ranked accordingly. The centroid populations were then added together according to rank. Based on the 2000 Census Block Data from the US Bureau of Census.