

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WCWF LICENSEE, LLC, licensee of full-power digital television station WCWF(TV), Channel 15 in Suring, Wisconsin, in support of its request for Special Temporary Authority to operate the station with the ATSC 3.0 transmission standard and transfer its secondary ATSC 1.0 programming streams to stations: WFRV-TV, Channel 22 in Green Bay, Wisconsin; WBAY-TV, Channel 23 in Green Bay, Wisconsin, and WACY-TV, Channel 36 in Appleton, Wisconsin. It is important to note that the primary programming stream of WCWF(TV) will be transmitted by WLUK-TV, Channel 18 in Green Bay, Wisconsin, and the engineering support for that proposal is contained in the WCWF(TV) Application for Modification of License to convert to ATSC 3.0 operation.

Exhibit B is a map upon which the WCWF(TV) and WFRV-TV noise-limited service contours are plotted. As shown, the majority of the WCWF(TV) service contour overlaps that of WFRV-TV. Indeed, the "loss area" population that will be created as a result of the transfer of WCWF(TV)'s secondary ATSC 1.0 programming to WFRV-TV is only 0.6% of the total service population of WCWF(TV), according to the 2018 U.S. Census Estimate database. And, a significant amount of gain area (comprising 216,039 people) will be created by the move of the WCWF(TV) ATSC 1.0 secondary streams to WFRV-TV.

WFRV-TV places a city-grade service contour over the entirety of the WCWF(TV) city of license, Suring, Wisconsin, as shown in Exhibit C. This is not unexpected, since WFRV-TV is licensed to a community within the same Designated Market

EXHIBIT A

Area (DMA) as WCWF(TV) and operates from a transmitter site located relatively close to that of WCWF(TV).

Exhibit D is a map upon which the WCWF(TV) and WBAY-TV noise-limited service contours are plotted. As shown, the entirety of the WCWF(TV) service contour is encompassed within that of WBAY-TV. As a result, there is no “loss area” population that will be created as a result of the transfer of WCWF(TV)’s secondary ATSC 1.0 programming to WBAY-TV. In addition, a significant amount of gain area (comprising 175,454 people) will be created by the move of the WCWF(TV) ATSC 1.0 secondary streams to WBAY-TV.

WBAY-TV also places a city-grade service contour over the entirety of the WCWF(TV) city of license, Suring, Wisconsin, as shown in Exhibit E. WBAY-TV operates from a transmitter site extremely close to the tower site of WCWF(TV) and is licensed a community within the same DMA as WCWF(TV).

Exhibit F is a map upon which the WCWF(TV) and WACY-TV noise-limited service contours are plotted. As shown, the majority of the WCWF(TV) service contour overlaps that of WACY-TV. The “loss area” population that will be created as a result of the transfer of one of the WCWF(TV) secondary ATSC 1.0 programming streams to WACY-TV is relatively small, only 7.6% of the total service population of WCWF(TV).

EXHIBIT A

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher". The signature is stylized with a large "K" and "F" and a smaller "T" in the middle.

KEVIN T. FISHER

September 13, 2021

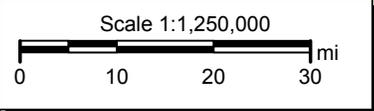
SMITH AND FISHER, LLC

CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE
WCWF(TV) : 1,077,475 (495,580 HH)
WFRV-TV (Host) : 1,286,689 (585,756 HH)
Common Area Population : 1,070,650 (99.4% of WCWF(TV) Contour Population)
WCWF(TV) Programming Loss Area Population: 6,825 (0.6%)
WCWF(TV) Programming Gain Area Population: 216,039



**WCWF(TV) CH. 15
N/L FCC CONTOUR**

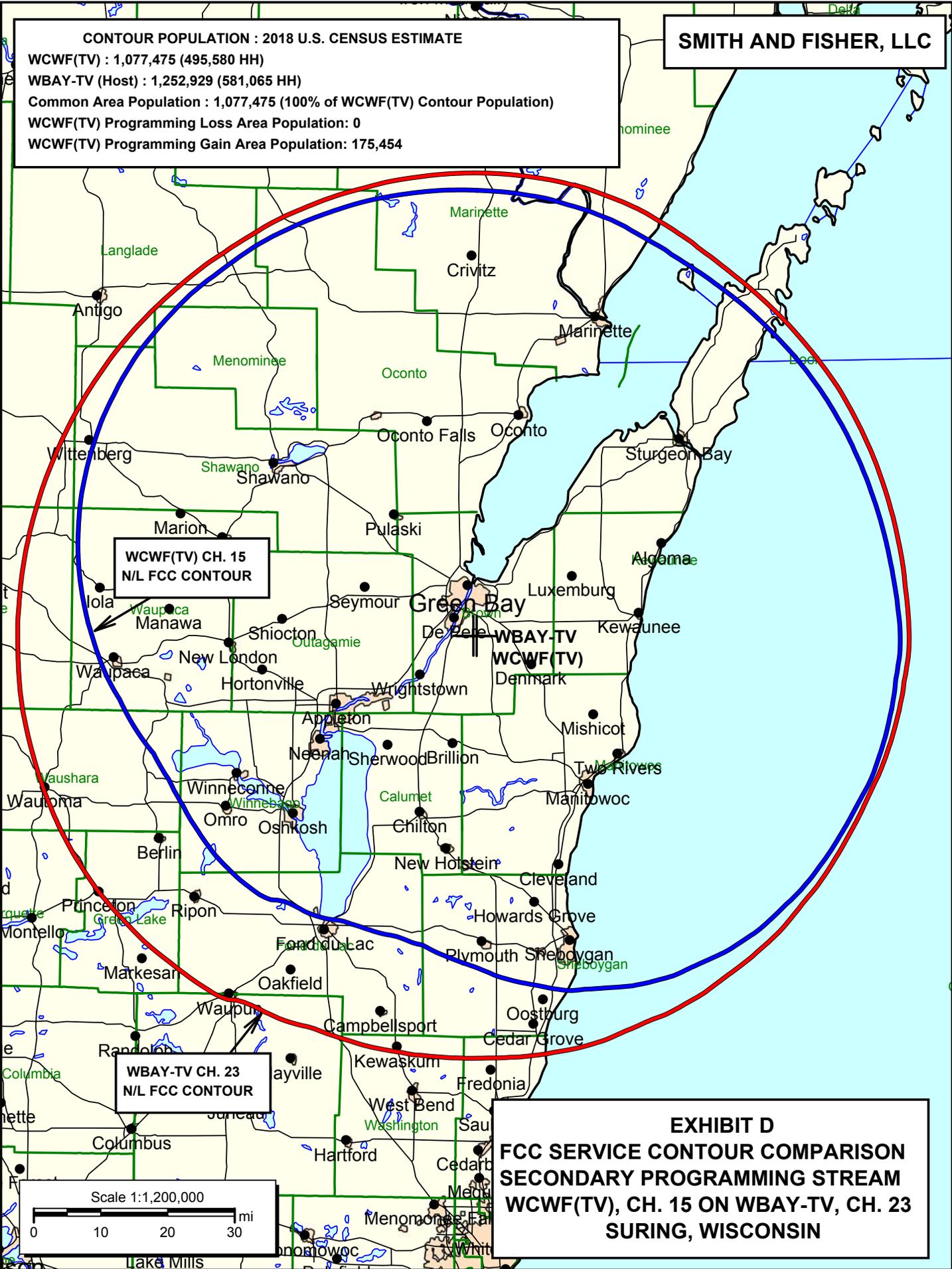
**WFRV-TV CH. 22
N/L FCC CONTOUR**



**EXHIBIT B
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAM
WCWF(TV), CH. 15 ON WFRV-TV, CH. 22
SURING, WISCONSIN**

SMITH AND FISHER, LLC

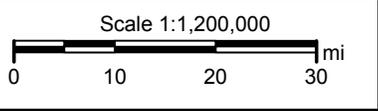
CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE
WCWF(TV) : 1,077,475 (495,580 HH)
WBAY-TV (Host) : 1,252,929 (581,065 HH)
Common Area Population : 1,077,475 (100% of WCWF(TV) Contour Population)
WCWF(TV) Programming Loss Area Population: 0
WCWF(TV) Programming Gain Area Population: 175,454



**WCWF(TV) CH. 15
N/L FCC CONTOUR**

**WBAY-TV CH. 23
N/L FCC CONTOUR**

**EXHIBIT D
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAM
WCWF(TV), CH. 15 ON WBAY-TV, CH. 23
SURING, WISCONSIN**





SMITH AND FISHER, LLC

CONTOUR POPULATION : 2018 U.S. CENSUS ESTIMATE
WCWF(TV) : 1,077,475 (495,580 HH)
WACY-TV (Host) : 997,156 (425,741 HH)
Common Area Population : 996,019 (92.4% of WCWF(TV) Contour Population)
WCWF(TV) Programming Loss Area Population: 81,456 (7.6%)
WCWF(TV) Programming Gain Area Population: 1,137

**WCWF(TV) CH. 15
N/L FCC CONTOUR**

**WACY-TV CH. 36
N/L FCC CONTOUR**

**EXHIBIT F
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAM
WCWF(TV), CH. 15 ON WACY-TV, CH. 36
SURING, WISCONSIN**

