

Off-Air TV Reception Analysis at the Cohocton Wind Project Area in Steuben County, New York

Comsearch was contracted by Environmental Design & Research P.C. to identify all of the off-air television stations within 100-mile radius of the proposed Cohocton Wind Energy Project in Steuben County, NY. Off-air stations are television broadcasters that transmit signals that can be received directly on a television receiver from terrestrially located broadcast facilities. Comsearch examined the coverage of the off-air TV stations and the communities in the area that could potentially have degraded television reception because of the location of the wind turbines. The proposed wind energy facility boundaries and local communities are plotted in the map shown in Figure 1 of this memorandum. Table 1 lists the off-air television stations within 100 mile radius of the wind facility.

Table 1 List of Off-Air TV Channels within 100 Miles of Cohocton Wind Energy Facility

Location		Call Sign	Channel	Service	Status	Distance-miles
ELMIRA	NY	WETM-TV	2	DS	STA	41.1
ELMIRA	NY	WETM-TV	2	DT	CP	41.1
BUFFALO	NY	WGRZ-TV	2	TV	LIC	57.9
SYRACUSE	NY	WSTM-TV	3	TV	LIC	74.7
BINGHAMPTON	NY	WIVT	4	DS	STA	83.7
BINGHAMTON	NY	WIVT	4	DT	LIC	83.7
BUFFALO	NY	WIVB-TV	4	TV	LIC	60.2
WILLIAMSPORT	PA	W05BG	5	CA	LIC	92.7
SYRACUSE	NY	WTVH	5	TV	CP	75.4
SYRACUSE	NY	WTVH	5	TV	LIC	75.4
GREECE/ROCHESTER	NY	WGCE-CA	6	CA	LIC	48.4
BINGHAMTON	NY	W06CC	6	LP	CP	84.4
ELMIRA	NY	W06CD	6	LP	CP	43.8
HORNELL	NY	W06AR	6	TX	LIC	18.4
BINGHAMTON	NY	WBNG-TV	7	DS	STA	83.4
BINGHAMTON	NY	WBNG-TV	7	DT	CP	83.4
BUFFALO	NY	WKBW-TV	7	TV	LIC	59.7
ITHACA	NY	W07BJ	7	TX	LIC	53.2
SYRACUSE-DEWITT	NY	W07BA	7	TX	LIC	74.6
BINGHAMTON	NY	WICZ-TV	8	DS	STA	83.8
BINGHAMTON	NY	WICZ-TV	8	DT	CP	83.8
ROCHESTER	NY	WROC-TV	8	TV	LIC	43.7
SYRACUSE	NY	WSYR-TV	9	TV	LIC	79.1
ROCHESTER	NY	WHEC-TV	10	TV	LIC	43.7
JAMESTOWN	NY	W10BH	10	TX	LIC	93.7
MORRIS	NY	WBPN-LP	10	LP	LIC	83.8
TOWANDA	PA	W10CP	10	LP	LIC	76.1
SYRACUSE	NY	WONO-CA	11	CA	LIC	76.0
BINGHAMTON	NY	WBNG-TV	12	TV	LIC	83.4

ONEIDA	NY	W13BR	13	CA	LIC	99.0
SYRACUSE	NY	WBLZ-LP	13	CA	LIC	76.0
ROCHESTER	NY	WHAM-TV	13	TV	LIC	43.7
BUFFALO	NY	WUTV	14	DS	STA	82.6
BUFFALO	NY	WUTV	14	DT	CP	82.6
BATH	NY	870331LW	14	TV	CP	18.6
SYRACUSE	NY	WSTQ-LP	14	LP	LIC	76.0
BUFFALO	NY	WBNF-CA	15	CA	LIC	82.6
AUBURN	NY	WNNY-LP	15	LP	CP	56.0
BUFFALO	NY	WBNF-CA	15	TX	CP	82.6
ONEIDA	NY	WTKO-LP	15	TX	LIC	99.0
TOWANDA	PA	W69CE	15	TX	APP	76.1
ITHACA	NY	W16AX	16	CA	LIC	49.7
ROCHESTER	NY	WXXI-TV	16	DT	LIC	43.7
ROCHESTER	NY	WXXI-TV	16	DT	CP	43.7
HORNELL	NY	W16BE	16	LP	LIC	18.6
SYRACUSE	NY	WSYR-TV	17	DT	LIC	79.1
BUFFALO	NY	WNED-TV	17	TV	LIC	82.4
SYRACUSE	NY	WNDR-LP	18	CA	LIC	77.7
ELMIRA	NY	WETM-TV	18	DT	APP	41.1
ELMIRA	NY	WETM-TV	18	TV	LIC	41.1
BATAVIA	NY	W52CB	18	LP	APP	38.7
SYRACUSE	NY	WSYT	19	DS	STA	69.2
SYRACUSE	NY	WSYT	19	DT	LIC	69.2
BINGHAMTON	NY	WBGH-CA	20	CA	LIC	83.7
BATH	NY	W20BL	20	LP	LIC	18.5
ITHACA	NY	W20BT	20	LP	LIC	46.6
OLEAN	NY	W20AB	20	LP	LIC	57.7
ROCHESTER	NY	WAWW-LP	20	LP	CP	43.7
MANSFIELD	PA	W63AB	20	TX	APP	58.6
WILLIAMSPORT	PA	W20AD	20	LP	LIC	89.7
ROCHESTER	NY	WXXI-TV	21	TV	LIC	43.7
ELMIRA	NY	W21BW	21	LP	LIC	47.9
SYRACUSE	NY	WTVU-LP	22	CA	LIC	76.0
CORNING	NY	NEW	22	LP	APP	32.1
SYRACUSE	NY	WTVU-LP	22	LP	CP	76.0
BUFFALO	NY	WNLO	23	TV	LIC	82.4
SYRACUSE	NY	WCNY-TV	24	TV	LIC	74.7
ELMIRA	NY	W59DG	24	TX	APP	46.0
OLEAN	NY	WONS-LP	25	CA	LIC	58.3
SYRACUSE	NY	WCNY-TV	25	DT	LIC	74.7
TOWANDA	PA	W25AQ	25	TX	LIC	76.0
JAMESTOWN	NY	WNYB	26	TV	LIC	90.6
BINGHAMTON	NY	W26BS	26	TX	LIC	83.8
CANISTEO AND HORNELL	NY	W26CY	26	TX	CP	18.7
ELMIRA	NY	W26BF	26	LP	LIC	43.2
VICTOR	NY	W26BZ	26	LP	LIC	36.5
MANSFIELD	PA	W26CV	26	TX	CP	58.6
WILLIAMSPORT	PA	W26AT	26	TX	LIC	89.7
JAMESTOWN	NY	WNYB	27	DS	STA	90.6

JAMESTOWN	NY	WNYB	27	DT	СР	90.6
CORNING	NY	NEW	27	LP	APP	32.0
ROCHESTER	NY	WUHF	28	DS	STA	43.7
ROCHESTER	NY	WUHF	28	DS	STA	43.7
ROCHESTER	NY	WUHF	28	DT	LIC	43.7
BUFFALO	NY	WDTB-LP	28	LP	CP	76.4
		WILF		DT	CP	
WILLIAMSPORT	PA		29			91.9
BUFFALO	NY	WUTV	29	TV	LIC	82.6
CORNING	NY	WSKA	30	DT T) (APP	32.1
CORNING	NY	WSKA	30	TV	CP	47.9
CORNING	NY	960401KF	30	TV	APP	32.3
ELMIRA	NY	WTTX-LP	30	TX	LIC	41.1
OLEAN	NY	W30BW	30	TX	LIC	58.3
SYRACUSE	NY	W30AJ	30	LP	LIC	76.4
WILLIAMSPORT	PA	W30AN	30	TX	LIC	89.7
ROCHESTER	NY	WUHF	31	TV	LIC	43.7
BUFFALO	NY	WNLO	32	DT	LIC	82.4
ELMIRA	NY	WETM	33	DR	APP	41.1
BUFFALO	NY	WGRZ-TV	33	DS	STA	57.9
BUFFALO	NY	WGRZ-TV	33	DT	LIC	57.9
BUFFALO	NY	WNYO-TV	34	DS	STA	54.1
BINGHAMTON	NY	WIVT	34	DT	APP	83.7
BUFFALO	NY	WNYO-TV	34	DT	APP	82.6
BINGHAMTON	NY	WIVT	34	TV	LIC	83.7
SYRACUSE	NY	WOBX-LP	35	CA	LIC	76.0
SYRACUSE	NY	WOBX-LP	35	LP	LIC	76.0
ROCHESTER	NY	WHSH-CA	36	CA	LIC	43.7
ELMIRA	NY	WENY-TV	36	TV	LIC	41.1
BUFFALO	NY	WKBW-TV	38	DS	STA	59.7
BUFFALO	NY	WKBW-TV	38	DT	CP	59.6
ROCHESTER	NY	WAWW-LP	38	LP	LIC	43.7
SYRACUSE	NY	W38CY	38	TX	LIC	75.4
BUFFALO	NY	WIVB-TV	39	DT	LIC	60.2
CORNING	NY	W39CP	39	LP	CP	32.1
HAMBURG	NY	WDTB-LP	39	LP	LIC	71.5
WILLIAMSPORT	PA	W39BT	39	TX	LIC	91.9
DEWITT	NY	WIXT-CA	40	CA	LIC	77.7
ROCHESTER	NY	WBGT-LP	40	CA	LIC	46.9
BINGHAMTON	NY	WICZ-TV	40	TV	LIC	83.8
BUFFALO	NY	WDTB-LP	40	TX	STA	76.4
RENOVO	PA	W40BS	40	TX	LIC	84.3
CORNING	NY	NEW	41	LP	APP	32.1
BINGHAMTON	NY	WSKG-TV	42	DS	STA	83.6
BINGHAMTON	NY	WSKG-TV	42	DT	CP	83.6
ROCHESTER	NY	W42CO	42	LP	LIC	43.7
BUFFALO	NY	WNED-TV	43	DT	LIC	82.4
SYRACUSE	NY	WNYS-TV	43	TV	LIC	69.2
MANSFIELD	PA	W43CJ	43	TX	APP	47.3
MANSFIELD	PA	W43CJ	43	TX	CP	47.3
SYRACUSE	NY	WNYS-TV	44	DT	CP	69.2
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ROCHESTER	NY	WROC-TV	45	DS	STA	43.7
ROCHESTER	NY	WROC-TV	45	DT	CP	43.7
SPRINGVILLE	NY	WNGS	46	DT	APP	59.6
BINGHAMTON	NY	WSKG-TV	46	TV	LIC	83.6
JAMESTOWN	NY	900725KG	46	TV	APP	98.0
JAMESTOWN	NY	W46BA	46	TX	LIC	98.0
SYRACUSE	NY	W30AJ	46	LP	APP	74.7
ROCHESTER	NY	WROH-LP	47	CA	CP	43.7
SYRACUSE	NY	WTVH	47	DS	STA	75.4
SYRACUSE	NY	WTVH	47	DT	CP	74.7
SYRACUSE	NY	WTVH	47	DT	APP	75.4
ROCHESTER	NY	WROH-LP	47	LP	LIC	43.7
CORNING	NY	WYDC	48	TV	CP	32.1
CORNING	NY	WYDC	48	TV	LIC	32.3
AUBURN	NY	W48AO	48	LP	LIC	54.3
SYRACUSE	NY	WNDR-LP	49	CA	CP	76.0
BUFFALO	NY	WNYO-TV	49	TV	LIC	54.1
CORNING	NY	WYDC	50	DS	STA	32.1
CORNING	NY	WYDC	50	DT	CP	32.3
SYRACUSE	NY	WHSU-CA	51	CA	LIC	76.0
WILLIAMSPORT	PA	W62CS	51	CA	CP	92.7
BATAVIA	NY	WPXJ-TV	51	TV	LIC	38.7
ITHACA	NY	WNYI	52	TV	LIC	49.7
ITHACA	NY	WNYI	52	TV	APP	69.4
MORAVIA	NY	WNNY-LP	52	TX	LIC	56.0
SAYRE	PA	W24DB	52	LP	LIC	60.2
BATAVIA	NY	WPXJ-TV	53	DT	APP	38.7
WILLIAMSPORT	PA	WILF	53	TV	LIC	91.9
ENDICOTT	NY	W53CR	53	LP	CP	84.4
SYRACUSE	NY	WSTM-TV	54	DS	STA	74.7
SYRACUSE	NY	WSTM-TV	54	DT	CP	74.7
AUBURN	NY	W54AK	54	LP	LIC	54.3
MANSFIELD	PA	W54AV	54	TX	LIC	58.6
ELMIRA	NY	WENY-TV	55	DT	CP	41.1
GREENWOOD	NY	DW55AD	55	TX	LIC	27.0
WILLIAMSPORT	PA	W55AG	55	TX	LIC	89.7
SYRACUSE	NY	WSPX-TV	56	TV	LIC	90.3
BUFFALO	NY	WBXZ-LP	56	LP	LIC	76.4
HAMMONDSPORT	NY	DW56AI	56	TX	LIC	14.3
KENNEDY	NY	W56AD	56	TX	LIC	86.3
RUSHFORD & HOUGHTON	NY	W56AV	56	TX	LIC	37.7
WELLSVILLE & SCIO	NY	W56AU	56	TX	LIC	37.7
WAVERLY	NY	961213KE	57	TV	APP	54.7
WAVERLY	NY	961213KF	57	TV	APP	57.9
ROCHESTER	NY	WHEC-TV	58	DS	STA	43.7
ROCHESTER	NY	WHEC-TV	58	DS	STA	43.7
ROCHESTER	NY	WHEC-TV	58	DT	CP	43.7
BUFFALO	NY	WFHW-LP	58	LP	LIC	76.4
ROCHESTER	NY	WHAM-TV	59	DS	STA	43.7
ROCHESTER	NY	WHAM-TV	59	DT	LIC	43.7
ROOFILOTER	141	V V I I/ (IVI- I V	00	וט	LIO	75.7

ALLENTOWN, ETC.	NY	W59AH	59	TX	LIC	43.1
ELMIRA	NY	W59DG	59	LP	LIC	46.0
CUBA	NY	W60AJ	60	TX	LIC	47.1
SAVONA	NY	W60AD	60	TX	LIC	18.5
SYRACUSE, ETC.	NY	WMBO-LP	60	LP	LIC	76.0
ROCHESTER	NY	960228KF	61	TV	APP	43.7
ANDOVER	NY	W61AJ	61	TX	LIC	31.4
ARCADE	NY	960405L4	62	TV	APP	58.3
ARCADE	NY	960404KL	62	TV	APP	41.5
ARCADE	NY	960404LB	62	TV	APP	40.4
ARCADE	NY	960404LH	62	TV	APP	38.4
ARCADE	NY	960405XF	62	TV	APP	41.3
ARCADE	NY	960405L7	62	TV	APP	53.2
ARCADE	NY	960405LY	62	TV	APP	43.2
ARCADE	NY	960111KN	62	TV	APP	56.4
ARCADE	NY	960405XN	62	TV	APP	56.4
ARCADE	NY	960405LR	62	TV	APP	55.2
CHERRY CREEK, ETC.	NY	W62AE	62	TX	LIC	86.3
FILLMORE	NY	W62AQ	62	TX	LIC	29.3
FRIENDSHIP & BELMONT	NY	W62AS	62	TX	LIC	36.9
SINCLAIRVILLE	NY	W62AG	62	TX	LIC	96.0
WILLIAMSPORT	PA	W62CS	62	LP	LIC	92.7
MANSFIELD	PA	W63AB	63	TX	LIC	58.6
WHITESVILLE	NY	W64AJ	64	TX	LIC	36.7
ANGELICA, ETC.	NY	W65AJ	65	TX	LIC	32.6
MESHOPPEN	PA	W66AB	66	TX	LIC	99.2
SPRINGVILLE	NY	WNGS	67	TV	LIC	61.8
SPRINGVILLE	NY	WNGS	67	TV	APP	59.7
MANSFIELD	PA	W67DZ	67	TX	CP	47.3
SYRACUSE	NY	WSYT	68	TV	LIC	69.2
BOLIVAR & RICHBURG	NY	W68AJ	68	TX	LIC	47.8
TROUPSBURG	NY	DW69AF	69	TX	LIC	28.7
UNION SPRINGS, ETC.	NY	W69AN	69	TX	LIC	46.9
TOWANDA	PA	W69CE	69	TX	LIC	76.1

TV-Normal Broadcast Station

The most likely TV stations that will produce off-air coverage to the Steuben County, NY area will be those stations at a distance of 40 miles or less. Of the stations listed in Table 1 there are a total of 31 stations within this range, and of these, 17 are presently licensed and operational.

DS-Digital Service Television, Temporary Operation, STA Operation

DT-Digital Television Broadcast Station

DR- Indicates Station has Applied for FCC Rule Making

GRA-Indicates Rule Making was granted by FCC

LP-Low Power Television Broadcast Station

TX-Translator Television Broadcast Station

LIC - Licensed and operational station

CP – License approved construction permit granted

APP – License application, not yet operational

STA – Special transmit authorization, usually granted by FCC for temporary operation

Fifteen of the stations are either low-power stations or translators with limited coverage. Two of the operational stations are full power and full service stations. They are Channel 48 (WYDC) and Channel 51 (WPXJ-TV). The other fourteen stations listed are either in their license application, or construction phase, but not yet operational.

Table 2 Off-air TV Channels within 40 Miles of Cohocton Wind Energy Facility

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Location		Call Sign	Channel	Service	Status	miles
HAMMONDSPORT	NY	DW56AI	56	TX	LIC	14.3
HORNELL	NY	W06AR	6	TX	LIC	18.4
BATH	NY	W20BL	20	LP	LIC	18.5
SAVONA	NY	W60AD	60	TX	LIC	18.5
BATH	NY	870331LW	14	TV	CP	18.6
HORNELL	NY	W16BE	16	LP	LIC	18.6
CANISTEO AND HORNELL	NY	W26CY	26	TX	CP	18.7
GREENWOOD	NY	DW55AD	55	TX	LIC	27.0
TROUPSBURG	NY	DW69AF	69	TX	LIC	28.7
FILLMORE	NY	W62AQ	62	TX	LIC	29.3
ANDOVER	NY	W61AJ	61	TX	LIC	31.4
CORNING	NY	NEW	27	LP	APP	32.0
CORNING	NY	NEW	22	LP	APP	32.1
CORNING	NY	W39CP	39	LP	CP	32.1
CORNING	NY	NEW	41	LP	APP	32.1
CORNING	NY	WYDC	48	TV	CP	32.1
CORNING	NY	WYDC	50	DS	STA	32.1
CORNING	NY	WSKA	30	DT	APP	32.1
CORNING	NY	960401KF	30	TV	APP	32.3
CORNING	NY	WYDC	48	TV	LIC	32.3
CORNING	NY	WYDC	50	DT	CP	32.3
ANGELICA, ETC.	NY	W65AJ	65	TX	LIC	32.6
VICTOR	NY	W26BZ	26	LP	LIC	36.5
WHITESVILLE	NY	W64AJ	64	TX	LIC	36.7
FRIENDSHIP & BELMONT	NY	W62AS	62	TX	LIC	36.9
WELLSVILLE & SCIO	NY	W56AU	56	TX	LIC	37.7
RUSHFORD & HOUGHTON	NY	W56AV	56	TX	LIC	37.7
ARCADE	NY	960404LH	62	TV	APP	38.4
BATAVIA	NY	W52CB	18	LP	APP	38.7
BATAVIA	NY	WPXJ-TV	51	TV	LIC	38.7
BATAVIA	NY	WPXJ-TV	53	DT	APP	38.7

Figure 2 shows the location of the TV stations with respect to the area. Table 3 lists the communities and other locations where potential test points for the baseline off-air TV measurements may be made, if requested, in a subsequent phase of this project.

Table 3 Locations for Potential Test Points for Baseline Off-Air TV Measurements

North side of wind energy facility East side of wind energy facility South side of wind energy facility West side of wind energy facility Cohocton Dansville Wayland Prattsburg Loon Lake Avoca Stony Brook Wheeler

This area has two full service off-air TV Stations and fifteen low-power and translator stations. Based on this, it is not expected that the of-air television stations are the primary mode of television service for the local communities. TV Cable service and/or direct satellite broadcast are probably the dominant delivery mode of TV service to the wind facility's surrounding communities.

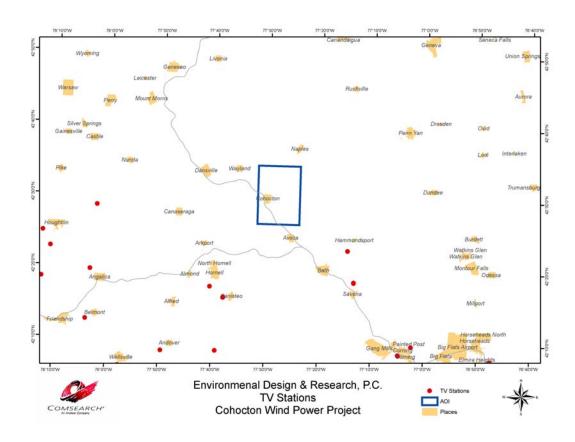


Figure 1 Cohocton Wind Facility Boundaries and Local Communities

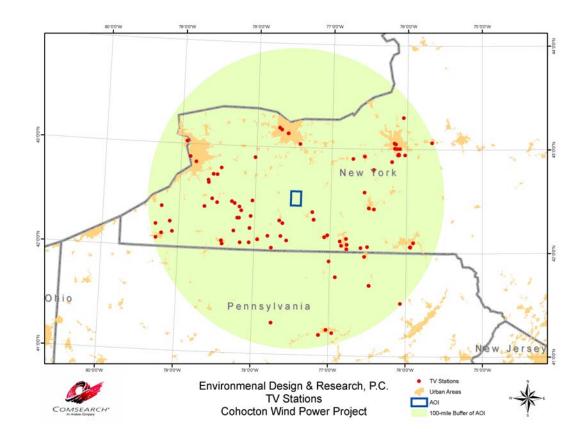


Figure 2 TV Stations within 100 Miles of Cohocton Wind Project Area