

**From:** Gorka, Mark <Mark.Gorka@ct.gov>  
**Sent:** Tuesday, December 8, 2020 2:44 PM  
**To:** Fontaine, Lisa <Lisa.Fontaine@ct.gov>  
**Cc:** CSC-DL Siting Council <Siting.Council@ct.gov>; Northgraves, Clayton <Clayton.Northgraves@ct.gov>  
**Subject:** RE: PE1435 - Council Interrogatories Set One to Petitioner

Good Afternoon Attorney Bachman,

I am responding to the Council Interrogatories sent on December 2, 2020. Please see the response below for Questions 3 through 8:

**3. Would the tower and foundation be designed to accommodate an increase in tower height?**

- No, it was designed for a height of 100'.

**4. What is the maximum height of the proposed facility, including whip antennas?**

- 114.2' with whip antennas

**5. When was the existing monopole constructed?**

- The property manager for the DOT estimates that the tower was originally built in the early 1960s.

**6. What is DESPP's estimated time frame for the removal of the existing monopole?**

- The DOT has indicated that they will remove the existing monopole within a few weeks from when the proposed tower is completed and all equipment is installed.

**7. The antenna and transmission data provided on page 5 of the radio frequency radiation report does not include the no. of channels being utilized for transmission. Please provide the number of channels for each antenna system that would be installed on the proposed tower.**

- Please see the attached Branford RF Report that was used for the FCC RF Compliance Assessment and Report. This report details the number of channels for each antenna system that will be installed on the proposed tower.

**8. What is the anticipated run time of the emergency backup generator before re-fueling is necessary?**

- Approximately three days.

Sincerely,

Mark Gorka, Grants and Contracts Specialist  
Department of Emergency Services and Public Protection  
Office: (860) 685-8107  
Fax: (860) 685-8362  
Mobile: (860) 508-9684

# DESPP

## BRANFORD DOT TOWER LOAD

SITE	TOWER TYPE	TOWER HEIGHT	USER	CABLE #	USE	ANTENNA MOUNTING HEIGHT (Feet)	ANTENNA AZIMUTH (°)	ANTENNA MANUFACTURER	MODEL NUMBER	GAIN (dB)	DESCRIPTION	CABLE TYPE	TX FREQUENCY (MHz)	ERP (Watts)	RX FREQUENCY (MHz)
BRANFORD DOT	Self Support	100													
			DESPP	1	TROOP F P25 TX	100		dbSpectra	DS7C09P36U-D	8.8	Omni	AVA7-50A	774.30625	125	N/A
													853.56250	125	N/A
													771.43125	125	N/A
													853.16250	125	N/A
													770.78125	125	N/A
													852.07500	125	N/A
													770.40625	125	N/A
													851.75000	125	N/A
													769.80625	125	N/A
													851.30000	125	N/A
													769.29375	125	N/A
													852.38750	125	N/A
			DESPP	2	TROOP F P25 RX	100		dbSpectra	DS7C09P36U-D	8.8	Inverted Omni	AVA7-50A	N/A		804.30625
													N/A		808.56250
													N/A		801.43125
													N/A		808.16250
													N/A		800.78125
													N/A		807.07500
													N/A		800.40625
													N/A		806.75000
													N/A		799.80625
													N/A		806.30000
													N/A		799.29375
													N/A		807.38750
			DESPP	3	TROOP F P25 DIVERSITY RX	100		dbSpectra	DS7C09P36U-D	8.8	Inverted Omni	AVA7-50A	N/A		804.30625
													N/A		808.56250
													N/A		801.43125
													N/A		808.16250
													N/A		800.78125
													N/A		807.07500
													N/A		800.40625
													N/A		806.75000
													N/A		799.80625
													N/A		806.30000
													N/A		799.29375
													N/A		807.38750
			DESPP	4	TROOP F P25 TTA	100		Bird	432F-83W-01-T		TTA	LDF4-50A	N/A		N/A
			DESPP	5	MUTUAL AID TX	100		dbSpectra	DS7C09P36U-D	8.8	Omni	AVA7-50A	851.01250	200	N/A
													851.51250	200	N/A
													852.01250	200	N/A
													852.51250	200	N/A
													853.01250	200	N/A
													859.26250	200	N/A
													858.26250	200	N/A
			DESPP	6	MUTUAL AID RX	100		dbSpectra	DS7C09P36U-D	8.8	Inverted Omni	AVA7-50A	N/A		806.01250
													N/A		806.51250
													N/A		807.01250
													N/A		807.51250
													N/A		808.01250
													N/A		814.26250
													N/A		813.26250

# DESPP

## BRANFORD DOT TOWER LOAD

SITE	TOWER TYPE	TOWER HEIGHT	USER	CABLE #	USE	ANTENNA MOUNTING HEIGHT (Feet)	ANTENNA AZIMUTH (°)	ANTENNA MANUFACTURER	MODEL NUMBER	GAIN (dB)	DESCRIPTION	CABLE TYPE	TX FREQUENCY (MHz)	ERP (Watts)	RX FREQUENCY (MHz)
			Town of Branford	7	PD, FD, DPW	100		dBSpectra	DS4F06P36D6D	6	Dual Whip	AVA5-50A (x2)	460.12500	100	465.12500
													N/A		458.41250
													N/A		458.45000
			Town of Branford	8	PD, FD, DPW	70		dBSpectra	DS4F06P36D6D	6	Dual Whip	AVA5-50A (x2)	453.41250	100	N/A
													453.45000	100	N/A
			Town of Guilford	9	FD	60		dBSpectra	DS4F06P36U-D	6	Omni	AVA5-50A	453.52500	100	453.52500
													460.61250	100	458.52500
													N/A		460.61250
													N/A		465.61250