

**CENTRAL MAINE POWER COMPANY
RESPONSE TO ORAL DATA REQUEST NO. 13
DOCKET No. 2008-255**

February 25, 2010

ODR-13-49

- Q.** Please provide calculations of electric and magnetic fields at a height of 6 ft above ground for the section of right-of-way adjacent to the Fournier property at annual average loading.
- A.** The electric field calculated across the right-of-way adjacent to the Fournier's property at a sensor height of 6 feet is shown in Figure 1. For comparison, the electric field at a sensor height of 1 meter (3.28 feet) is also shown.

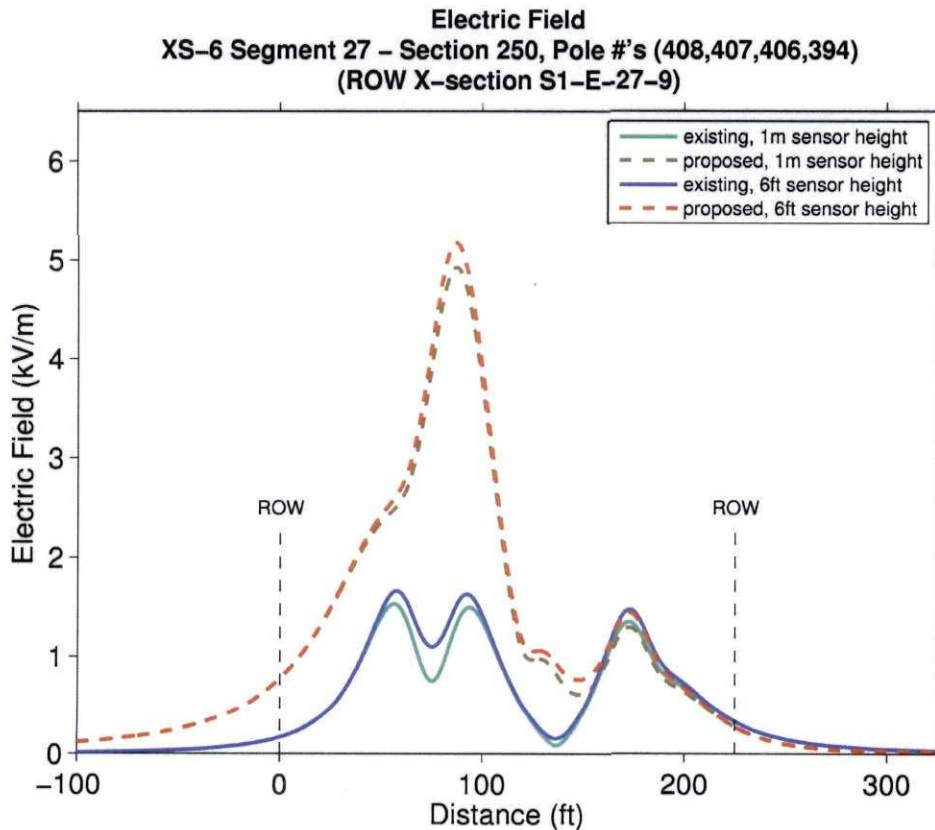


Figure 1. Electric field calculated across the right-of-way adjacent to the Fournier's property at 6 ft and 3.28 ft above ground for existing and proposed conditions.

The magnetic field calculated across the right-of-way adjacent to the Fournier's property at a sensor height of 6 feet is shown in Figure 2. For comparison, the magnetic field at a sensor height of 1 meter (3.28 feet) is also shown.

Magnetic Field, Average Loads
XS-6 Segment 27 – Section 250, Pole #'s (408,407,406,394)
(ROW X-section S1-E-27-9)

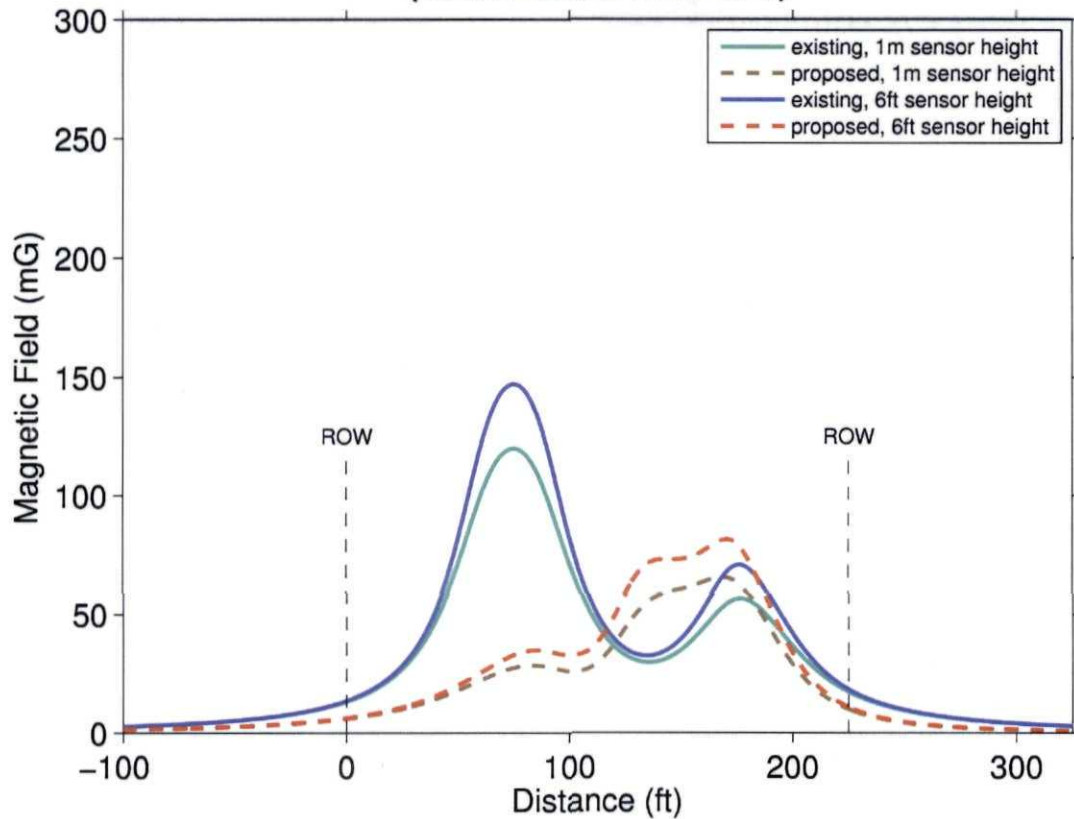


Figure 2. Magnetic field calculated across the right-of-way adjacent to the Fournier's property at 6 ft and 3.28 ft above ground for existing and proposed conditions.

The electric and magnetic fields at the edge of the right-of-way of this cross section (XS-6) are summarized below in Table 1.

Table 1. Electric and magnetic fields at 3.28 ft and 6.00 ft above ground

Condition/Height of Calculation (ft)	Edge of ROW (0 ft)		Edge of ROW (225 ft)	
	Electric Field (kV/m)	Magnetic Field (mG)	Electric Field (kV/m)	Magnetic Field (mG)
Existing / 3.28	0.17	13.5	0.33	17.6
Existing / 6.00	0.17	13.8	0.34	18.6
Proposed / 3.28	0.78	6.2	0.28	10.1
Proposed / 6.00	0.78	6.4	0.28	11.0

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 Exponent