

## UNIT LESSON PLAN

### RX-310, INTRODUCTION TO FIRE EFFECTS

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**INSTRUCTOR:** Scott Bearer and Pat McElhenny  
**LESSON:** First and Second Order Fire Effects  
**UNIT:** Unit #2

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#### **OBJECTIVES:**

Upon completion of this lesson, participants will be able to:

1. **Explain first and second order fire effects and discuss their relationship to fire behavior.**
2. **Identify key aspects of the fire environment that drive first order fire effects.**
3. **Discuss appropriate management practices that can be used to modify first order fire effects.**
4. **Review how we measure and monitor fire behavior, weather, and environmental conditions to determine first and second order fire effects.**

#### **NARRATIVE:**

##### **I. SECTION 1. INTRODUCTION TO 1<sup>ST</sup> AND 2<sup>ND</sup> ORDER FIRE EFFECTS**

A. Why is it important to understand and measure 1<sup>st</sup> and 2<sup>nd</sup> Order Fire Effects

##### **II. SECTION 2. FIRE WEATHER OBSERVATIONS**

A. A review of why and how we make them.

##### **III. SECTION 3. FIRE BEHAVIOR OBSERVATIONS**

A. A review of why and how we make them.

##### **IV. SECTION 3. MEASURING 2<sup>ND</sup> ORDER FIRE EFFECTS**

A. A review of why and how we make them.