

# Solution Evaluation Matrix

Section 3: Weather Hazard Solutions | Standard 3-ESS3-1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

---

**Weather Hazard:** \_\_\_\_\_

Research 3-4 solutions for this hazard. Evaluate each using the criteria below.

**SOLUTION #1:** \_\_\_\_\_

Type: (circle one) PREDICTION PROTECTION PREPARATION

How it works: \_\_\_\_\_

---

**Rate this solution (1-5 stars for each):**

Saves lives: ■ ■ ■ ■ ■ Reduces property damage: ■ ■ ■ ■ ■

Affordable: ■ ■ ■ ■ ■ Easy to implement: ■ ■ ■ ■ ■

Works reliably: ■ ■ ■ ■ ■ TOTAL: \_\_\_\_/25 stars

Costs/Limitations: \_\_\_\_\_

**SOLUTION #2:** \_\_\_\_\_

Type: (circle one) PREDICTION PROTECTION PREPARATION

How it works: \_\_\_\_\_

---

**Rate this solution:**

Saves lives: ■ ■ ■ ■ ■ Reduces property damage: ■ ■ ■ ■ ■

Affordable: ■ ■ ■ ■ ■ Easy to implement: ■ ■ ■ ■ ■

Works reliably: ■ ■ ■ ■ ■ TOTAL: \_\_\_\_/25 stars

Costs/Limitations: \_\_\_\_\_

**SOLUTION #3:** \_\_\_\_\_

Type: (circle one) PREDICTION PROTECTION PREPARATION

How it works: \_\_\_\_\_

---

**Rate this solution:**

Saves lives: ■ ■ ■ ■ ■ Reduces property damage: ■ ■ ■ ■ ■

Affordable: ■ ■ ■ ■ ■ Easy to implement: ■ ■ ■ ■ ■

Works reliably: ■ ■ ■ ■ ■ TOTAL: \_\_\_\_/25 stars

Costs/Limitations: \_\_\_\_\_

**Which solution has most merit? Why?**

---