

# **Appendix L**

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**Key Performance Indicators (KPIs) for  
Metro Fire Wildfire Program**

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The following details the program performance indicators that assist Metro Fire in determining the ongoing success of the CWPP and its program elements. The Program Goals, Impact Measures, and the types of metric associated with each impact are listed in the following table.

- Built Environment: blue
- Natural Environment: green
- Response Environment: grey
- Social Environment: yellow

## **Program Goal #1:** Protect Human Life & Reduce Loss of Property, Critical Infrastructure & Natural Resources

### **Impact Measure 1: Deaths (as measured by number of deaths)**

Result Measures	Activity/Output Measures
1. Risk Score Reduction: Prep portion of Portal (%)	1. Portal Stats: <input type="checkbox"/> Hits (#) <input type="checkbox"/> Length of stay (min) <input type="checkbox"/> Changes (#, %)
2. % of targeted <sup>1</sup> households where all members recognize wildfire triggers <sup>2</sup> , are prepared, are able and are committed to either: <input type="checkbox"/> leave early or when requested <input type="checkbox"/> stay until the wildfire passes	2. Outreach Contacts,  Class/Meeting Attendance (#, %)
	3. Event Participation (drills FSC meetings, etc.) (#, %)
	4. Completed disaster plan <input type="checkbox"/> emergency kit <input type="checkbox"/> identify evacuation routes <input type="checkbox"/> home checklist
3. Wildfires ignited (#)	5. Preventative Actions <input type="checkbox"/> Road Hardening (%) <input type="checkbox"/> Patrols (#) <input type="checkbox"/> Utility Clearance (%)

### **Impact Measure 2: Injuries (as measured by number of injuries)**

[Same Result Measure as Activity/Output Measure as Above]

### Impact Measure 3: Property Loss (as measured by dollar value per capita)

Result Measures	Activity/Output Measures
4. Risk Score Reduction Home Portion of Portal (%)	Activity Measure 1
5. Reduction of structural ignitability hazards (% increase)	Activity Measure 2
6. Creation and maintenance of defensible space: structures & properties (% increase)	6. Home Elements Hardened (total #, # home, % toward total with 100% indicating all elements of home hardened. Portal data to assist): <input type="checkbox"/> Roof <input type="checkbox"/> Eaves & Vents <input type="checkbox"/> Siding <input type="checkbox"/> Doors & Windows <input type="checkbox"/> Decks, Patios & Fences
7. Percent of households that meet or exceed Fire Adapted Community specifications for: <input type="checkbox"/> Regulated Veg Mgmt (% 30' firebreaks) <input type="checkbox"/> Voluntary Yard Veg Mgmt <input type="checkbox"/> Home Hardening	7. Inspections (#) <input type="checkbox"/> Compliance (#, %) <input type="checkbox"/> Violations (#, %) <input type="checkbox"/> Second Notice (#, %) <input type="checkbox"/> Citations (#, %)
Result Measure 3	Activity Measures 1, 6 & 7
Result Measure 3	Activity Measure 5

### Impact Measure 4: Infrastructure (\$ per capita)

Result Measures	Activity/Output Measures
Result Measures 5 & 6	Activity Measure 2, 6 & 7
Result Measure 3	Activity Measure 5

### Impact Measure 5: Environmental Loss (% acres burned below damaging threshold)

Result Measures	Activity/Output Measures
8. % increase in acres treated	8. Metro Fire Crew project (#)
Result Measure 3	Activity Measure 5

### Impact Measure 6: 6. Suppression Cost (% reduction in cost from 5- year avg baseline)

Result Measures	Activity/Output Measures
Result Measure 3	Activity Measure 5
9. Size of fire (acres)	All Activity Measures

**Impact Measure 7. Secondary Losses (% reduction from 5-year avg baseline: #, \$)**

Result Measures	Activity/Output Measures
10. Post-Fire Activity Mudslides (acres/homes impacted)	Rehab (acres, structures)
Other (TBD with Metro Fire)	
Result Measure 3	Activity Measure 5

**Impact Measure 8. Degree of Fire Control (duration, acres, resources)**

Result Measures	Activity/Output Measures
10. Improvement in response capabilities (%) <input type="checkbox"/> Resources <input type="checkbox"/> Training	9. Metro Fire Staff <input type="checkbox"/> Classes (#, %) <input type="checkbox"/> Qualifications (%) <input type="checkbox"/> Certifications (%)
Result Measure 3	Activity Measure 5

**Program Goal #2:** Evacuate Safely – with Minimal Loss of Life and Injuries

**Impact Measure 1 and 2 above**

Result Measures	Activity/Output Measures
10. % of community that is considered and supported by a city or regional evacuation plan (practiced at least every 3 yrs with at least 10% participation)	10. Metro Fire Fire Pre-Plan(s) (#, % of WUI covered) 11. RAWs (#, % covered) 12. RAWs “Experts” (% staff) Alert Mechanism Metro Fire (% reached) 13. Drills Planned (#, % of community) 14. Planning Participants (#, % of community) 15. Drill Participants (#, %)

**Program Goal #3:** Partnerships are developed with community as lead and Metro Fire as support

**Impact Measure: 9. Level of effort taken by collaborative partners that are at a rating of “4” or “5” in 5-point scale:**

- ▲ Partner is leading with minimal or no Metro Fire support
- ▲ Partner leading with moderate to high Metro Fire support
- ▲ Partner and Metro Fire are co-leading
- ▲ Metro Fire is leading with moderate to high partner support
- ▲ Metro Fire is leading with minimal to no partner support

[Ready, Set, and Go efforts measured separately]

Result Measures	Activity/Output Measures
11. Firewise Communities (#, % of WUI) 12. FireSafe Councils (#, % of WUI) (or other leadership Structure 13. CWPP Projects Completed (#) 14. Ownership: <ul style="list-style-type: none"> <li>Number second notices (% reduction)</li> <li>Number citations (% reduction)</li> <li>Number liens (% reduction)</li> <li>Number compliant (% increase)</li> </ul> 15. Projects spanning ownership boundaries (#)	16. Number of partners, by category <ul style="list-style-type: none"> <li>Law</li> <li>Fire</li> <li>Animal Control</li> <li>Community</li> </ul> 17. CWPPs (#) <ul style="list-style-type: none"> <li>Drafted</li> <li>Accepted</li> <li>Implemented</li> <li>Funded</li> </ul> 18. CWPP authorship and ownership (% community, % Metro Fire)

**Program Goal #4:** Culture Change: Community understands, owns, and actively mitigates risk

**Impact Measure 10: Community actively protects themselves from loss due to wildfire and relies less heavily on Metro Fire resources**

Result Measures	Activity/Output Measures
16. % Change in community: Awareness <ul style="list-style-type: none"> <li>Understand their risk</li> <li>Know what to do to reduce their risk</li> </ul> Attitude <ul style="list-style-type: none"> <li>Believe there is a need to reduce their risk</li> <li>Have a personal commitment to reduce their risk</li> </ul> Behavior <ul style="list-style-type: none"> <li>Take the targeted actions to reduce their risk</li> </ul> Influence (Teach) <ul style="list-style-type: none"> <li>Influence other to reduce risk</li> </ul>	Activity Measure 1 - 17

1 Targeted households include all residents of each household within a defined geographic area, regardless of age or level of dependence

2 Wildfire triggers include but are not limited to: predicted wind events, Red Flag Warning/Alert, sight of flames or smoke, smell of smoke, reverse 911, ash in air, media reports, etc.

3 reduction from 5-year avg baseline: #, \$, type/cause