

# Boulder County

## LARGE SCALE INCIDENT PLAN



# Fire Annex

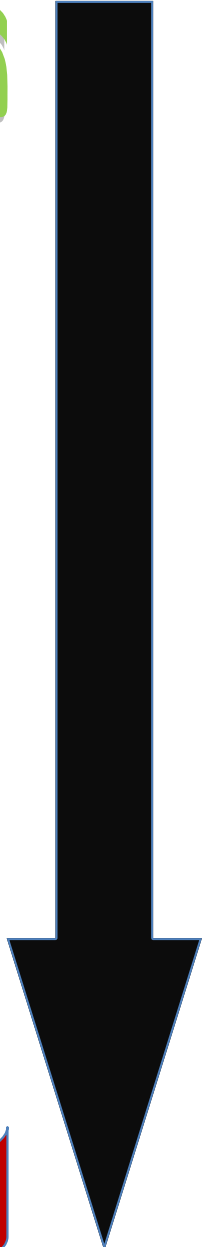
## Guidelines and Checklists for Initial Response to a Fire Event

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Wild Fire  
Boulder County Sheriff's Office  
Annex

TYPE 5



TYPE 1

**Initial Attack**

ICS 201  
Incident Complexity Analysis  
Local Incident Analysis Form

**Cost Share**

Mutual Aid  
WERF  
Cost Share Agreement

**Delegation**

Local Delegation  
Local Disaster Declaration  
Disaster Declaration Agreement

**DFPC EFF**

EFF Complexity Analysis  
EFF Incident Analysis Form  
Delegation  
DFPC

**Transition**

IMT Agency Administrator  
IMT Agency Representative  
Reentry Planning  
Damage Assessment  
Infrastructure Repair

# NOTES



# ICS 201

10. ORGANIZATION							
COMMAND / GENERAL STAFF		COMM CHANNEL	Ordered	Arrival	Briefed	On Post	Demob
IC							
OSC							
PID							
LSC							
STAM							

DIVISION / GROUP A	RESOURCE NAME / CALL SIGN	Ordered	Arrival	Briefed	On Post	Demob
Function: Tac Channel: Assignment(s):	SUPV					

DIVISION / GROUP Z	RESOURCE NAME / CALL SIGN	Ordered	Arrival	Briefed	On Post	Demob
Function: Tac Channel: Assignment(s):	SUPV					

11. INVOLVED PERSONS OR VEHICLES		
Name / Vehicle	DOB	Address
Description		Phone
Involvement / Relationship	Misc	
Name / Vehicle	DOB	Address
Description		Phone
Involvement / Relationship	Misc	

12. UNIT LOG ( ICS 214)	
Time	Significant Events

# Local Incident Complexity Analysis

Current Status: Type 1  2  3  4  5

## A. SAFETY

- 1. Fixed wing and helicopters both involved.  Yes  No
- 2. More than one fuel type involved.  Yes  No
- 3. Extended exposure to risk or unusually  Yes  No
- 4. hazardous line conditions.  Yes  No
- 5. Serious accident or fatality.  Yes  No

Subtotal: \_\_\_\_\_

## B. MULTIPLE OWNERSHIPS

- 1. Fire burning on more than one land ownership.  Yes  No
- 2. Disputed fire responsibility/authority.  Yes  No
- 3. Potential for claims.  Yes  No

Subtotal: \_\_\_\_\_

## C. PERSONNEL AND OTHER RESOURCES COMMITTED

- 1. 200 or more people per shift.  Yes  No
- 2. Two or more divisions.  Yes  No
- 3. Multi-support agencies involved.  Yes  No
- 4. Local resources (personnel and equipment) not available or in condition suitable for initial attack.  Yes  No

Subtotal: \_\_\_\_\_

## D. CONTAINMENT COST

- 1. \$10,000 or more per day.  Yes  No

Subtotal: \_\_\_\_\_

# Local Incident Complexity Analysis (continued)

## E. FIRE BEHAVIOR

- 1. Flame length of 6 feet or greater.  Yes  No
- 2. Duration uncontrolled - 1 or more burning periods.  Yes  No
- 3. Severe or extremely variable topography.  Yes  No
- 4. 1 Hr. fuel moisture 5% or less.  Yes  No
- 5. Eye-level wind forecast greater than 20 mph.  Yes  No
- 6. Active crowning/spotting expected.  Yes  No

Subtotal: \_\_\_\_\_

## H. CULTURAL RESOURCES

- 1. Urban interface.  Yes  No
- 2. Summer homes.  Yes  No
- 3. Other developments.  Yes  No

Subtotal: \_\_\_\_\_

## I. POLITICAL PROBLEMS

- 1. Controversial fire policy.  Yes  No
- 2. Poor relationship between ownerships.  Yes  No
- 3. Pre-existing controversies.  Yes  No
- 4. Local organization unable to establish positive media relationships.  Yes  No

Subtotal: \_\_\_\_\_

**GRAND TOTAL:** \_\_\_\_\_

Total # of "Yes" answers:

0 - 2 Reinforced Attack

3 - 7 Type 3 Incident Management Team or Type 4

8 - 13 Type 2 Incident Management Team

14+ Type 1 Incident Management Team

Recommended Management Level:

**Type** 1  2  3  4  5

## Local Incident Analysis Form

Date \_\_\_\_\_

Time \_\_\_\_\_

Fire name \_\_\_\_\_ Jurisdiction(s) \_\_\_\_\_

	A	B	C	D
	<u>Current</u>		<u>Predicted</u>	
<b>I. Resources</b>				
1. Has the normal mutual aid network been fully implemented?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Are all Jurisdiction resources committed/enroute?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is air support required?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Is the fire beyond the capability of Jurisdiction?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5. Is there an inadequate water supply?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6. Is there a need for county or state resources?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7. Is the availability of additional resources hampering suppression efforts?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>II. Risk Factors</b>				
1. Is there a threat to public at large?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Are structures threatened/involved?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Are there unusually hazardous fire fighting conditions?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Is there an aviation resource safety problem?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5. Are historical values at risk?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6. Does the fire involve mixed land ownership?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>III. Fire Situation</b>				
1. Are flame lengths in excess of 4 ft?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Is torching/crowning occurring?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is the 1000 hour fuel moisture below 12%?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Is the fire burning in an extreme fuel type?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5. Is the fire inaccessible by ground in one hour?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6. Is the rate of spread beyond suppression capability?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No



# Local Incident Analysis Form (continued)

	A	B	C	D
	Current		Predicted	
<b>IV. Fire Weather</b>				
1. Is wind a critical factor in fire behavior?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Is temperature a critical factor in fire behavior?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3. Is RH below 20%?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
4. Are there T-storms/fronts?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>V. Other Considerations</b>				
1. Are there existing political problems?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. Are non-fire incidents occurring which have an impact on fire operations?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3.				
4.				
5.				
<b>VI. Totals.....</b>	_____	_____	_____	_____
Current (A) + Predicted (C) =	_____			
Current (B) + Predicted (D) =	_____			

\*To be considered for County Assistance, questions must reflect a total local level commitment to the fire.  
 Total of Columns A + C must be equal to or greater than 32 (67%).

\_\_\_\_\_ Date: \_\_\_\_\_  
 Jurisdictional Authority Signature

\_\_\_\_\_ Date: \_\_\_\_\_  
 Sheriff or Designee's Signature

# Cost Share Agreement

INCIDENT NAME/NUMBER:

START TIME AND DATE:

JURISDICTION (S):

CAUSE:

INCIDENT COMMANDER (S):

This cost share agreement is between the \_\_\_\_\_ and the \_\_\_\_\_

County Sheriff's Office. This document was prepared under the following authorities provided by the following:

1. \_\_\_\_\_ County Wildland fire Annual Operating plan.
2. Colorado Revised Statutes 23-31-32, 23-22.5-103—513, and 32-1-1002.
3. Agreement for Cooperative wildfire Protection in \_\_\_\_\_ County.
4. Inter-governmental Agreement for Participation in the Colorado Emergency Fire Fund.
5. Colorado Cooperative Fire Management Agreement.
6. Fire Cost Share Principles for State of Colorado.

Agency Representatives participating in the development of the cost share agreement:

Agency:	Agency:	Agency:
Name:	Name:	Name:
Title:	Title:	Title:
Date:	Date:	Date:

It is hereby agreed that the cost basis on the \_\_\_\_\_ incident will be shared as follows:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

# Wildfire Emergency Response Fund (WERF)

## 2016 Colorado Wildfire Funding Guidelines

The Colorado Division of Fire Prevention and Control (DFPC) has been tasked by the Colorado State Legislature to administer and manage programs aimed at assisting local jurisdictions with safe and effective wildland fire response. The Wildfire Emergency Response Fund (WERF) was created to assist local jurisdictions with initial attack wildland fire response on state and private lands within the state of Colorado (Ref: CRS §24-33.5-1226). The Colorado Firefighting Aviation Corps (CFAC) program was authorized to ensure the availability of aviation resources for wildland fire response on state and private lands within the state of Colorado (C.R.S. §24-33.5-1228). Funding and reimbursement for wildland firefighting resources under these programs is available to any Colorado County Sheriff, fire protection district, or municipal fire department in accordance with the following eligibility guidelines. Funding and reimbursement will occur to the extent that program funds are available.

<b>Eligible Hand Crew Resources<sup>1</sup></b>	<b>First 2 Calendar Days of Incident</b>	<b>After First 2 Calendar Days</b>
Type 1, Type 2-IA, or Type 2 Hand Crews	Eligible <sup>1</sup>	Not Eligible
<b>Eligible Aviation Resources</b>	<b>During</b>	<b>After</b>
	<b>Mutual Aid Period<sup>2</sup></b>	<b>Mutual Aid Period<sup>2</sup></b>
Multi Mission Aircraft (MMA)	Eligible	Discretionary <sup>3</sup>
Single Engine Air Tanker (SEAT)	Eligible	Discretionary <sup>3</sup>
Large Air Tankers (LAT) 1	Eligible <sup>1</sup>	Not Eligible
Very Large Air Tankers (VLAT) 1,4	Eligible <sup>1,4</sup>	Not Eligible
Type 1 Helicopters <sup>1</sup>	Eligible <sup>1</sup>	Not Eligible
Type 2 Helicopters	Eligible	Discretionary <sup>3</sup>
Type 3 Helicopters	Eligible	Discretionary <sup>3</sup>
Aerial Supervision Platforms and Lead Planes	Not Eligible – unless required by interagency standards and mobilization guides.	

### WERF Funding Notification and Request

Incident Information						
Date of Fire Start:						
Fire Name:						
Fire Number:						
Fire Location:						
Jurisdictions Involved:						
Cost Share in Place (Y/N):	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	If yes, please attach	
Requesting Agency Information						
Agency Name:						
Requestor Name:						
Requestor Title:						
Handcrew Resources						
Handcrew Used (Y/N):	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	If yes, provide information below	
Date(s) of Use:						
Name of Crew(s) Assigned:						
Resource Order #(s):						
Resource Order Attached:	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>		
Aviation Resources						
Aircraft Used (Y/N):	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	If yes, provide information below for each aircraft	
Date of Use:						
Aviation Resource(s) Used: (check all that apply)	<input type="checkbox"/>	Large Airtanker	<input type="checkbox"/>	SEAT	<input type="checkbox"/>	Helicopter
		<b>Aircraft #1</b>		<b>Aircraft #2</b>		<b>Aircraft #3</b>
Aircraft Assigned:						
Aircraft Owner (if known):						
Resource Order #:						
Resource Order Attached:						
Additional Information						
County:						
DFPC Region & FMO:						
Date Submitted to DFPC:						
Other (If Needed):						

# Aircraft Ordering Worksheet

## Boulder County Air Resource Ordering Worksheet

### Air Resource Requested

Single Engine Air Tanker      Air Tanker      Helicopter      MMA Other \_\_\_\_\_

Type 1 2 3

### Fire Location

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

### Ground Contact Frequency

**AG9** 166.912 (Primary)      **AG58** 169.0875      **VFIRE21** 154.280

Ground Contact Identifier \_\_\_\_\_

Flight Hazards \_\_\_\_\_

Fire Name \_\_\_\_\_

Person authorizing the order

### Fire Duty Officer:

Stalnacker, Ostroy, Ball, Koretz and McKinney

### Emergency Services:

Booton, Linton, Rosales

### Sheriff Command Staff:

Pelle, Shomaker, Sloan, Sullenberger, Prentup, Williams, Wagner, Cullen,

Parker

### OEM Staff:

Chard, Danzl, Notbohm, Bukartek

### Boulder County Communications Procedures for ordering fire aviation:

- a. Complete the ALL fields.
- b. Contact Fire Duty Officer on Boulder County Fire (1800) or by pager to approve the order. Record the person authorizing the order.
- c. The Fire Duty Officer will advise whether they will relay the order to Fort

# Local Delegation

## ASSUMPTION OF INCIDENT MANAGEMENT

1. Management for controlling the \_\_\_\_\_ incident in \_\_\_\_\_ County, Latitude, \_\_\_\_\_, longitude, \_\_\_\_\_, is to be assumed by the \_\_\_\_\_ on behalf of the \_\_\_\_\_

2. Assumption of management will become effective at (time) \_\_\_\_\_ (Date) on \_\_\_\_\_, 20\_\_\_\_, and is acceptable to signatory parties. II. RESPONSIBILITIES AND LIMITATIONS

Sheriff or (designee) name approving delegation: \_\_\_\_\_

Jurisdictional representative requesting delegation: \_\_\_\_\_

Assigned Agency Liaisons: \_\_\_\_\_

3. Responsibilities for and/or limitations of: (Use back for additional space)

Public Information                      Yes                      No                      Contact: \_\_\_\_\_

Evacuations                                  Yes                      No                      Contact: \_\_\_\_\_

Logistics                                      Yes                      No                      Contact: \_\_\_\_\_

Fire Operations                              Yes                      No                      Contact: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Local Disaster Declaration

## LOCAL DISASTER EMERGENCY DECLARATION

Two (2) copies shall be sent to: Colorado Division of Emergency Management (DEM) 9195 East Mineral Avenue, Suite 200 Centennial, Colorado 80112 FAX (720) 852-6750 One (1) copy will be forwarded to the Governor by DEM

**WHEREAS**, Boulder County suffered or there is an imminent threat that

\_\_\_\_\_ County will suffer from widespread or severe damage, injury or loss of life or property resulting from:

\_\_\_\_\_

which occurred beginning

\_\_\_\_\_

and

**WHEREAS**, the magnitude of responding to and recovery from the impact of the is far in excess of the County's available resources. Local Resources are currently fully engaged and will be exhausted.

NOW THEREFORE BE IT RESOLVED, there is hereby declared a local disaster emergency pursuant to § 24-32-2109, C.R.S., as amended.

DATED at \_\_\_\_\_ County, Colorado this \_\_\_\_\_ day of \_\_\_\_\_, 201\_,  
at \_\_\_\_\_ a.m./p.m.

Chairperson, \_\_\_\_\_ Board of County Commissioners  
\_\_\_\_\_ County, Colorado

## Disaster Declaration Agreement

Pursuant to C.R.S. 24-33.5- 709 a title 32 political subdivision of Government may declare a disaster by the principal executive officer. The declaring entity must demonstrate that ability to manage the disaster is exceeded in three areas; damage, resources and funding ability.

- (1) Provide damage reports that demonstrate severe impacts to life, property and critical infrastructure.
- (2) Demonstrate that available local resources are committed or exhausted.
- (3) Show immediate lack of ability to fund costs associated with the disaster or demonstrate exigency and imminent funding deficits due to the disaster response.

The declaring entity shall submit a disaster declaration form per the \_\_\_\_\_ Emergency Operations Plan's requirement for the execution of a disaster declaration agreement. The disaster declaration agreement is the document that assesses the level of support needed to structure the agreement and cost share. The following form shall be completed and is the principle structure for completing a formalized written agreement document if required.

Entity Declaring a Disaster: \_\_\_\_\_

Event Name or Location: \_\_\_\_\_

Disaster Type: \_\_\_\_\_

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

Time: \_\_\_\_\_

Principle Executive Officer: \_\_\_\_\_

Sheriff: \_\_\_\_\_

OEM: \_\_\_\_\_

### Cross Check on Resources

- 1. Declaring Agency's resources are committed  Yes  No
- 2. Local Mutual aid resources are exhausted  Yes  No
- 3. County provided contracted resources are deployed  Yes  No

*If 1 & 2 are not checked yes, do not proceed with the disaster declaration agreement.*

### Impacts

- 1. Deaths  Yes  No Numbers \_\_\_\_\_
- 2. Injuries  Yes  No Numbers \_\_\_\_\_
- 3. Displaced residents  Yes  No Numbers \_\_\_\_\_
- 4. Missing persons  Yes  No Numbers \_\_\_\_\_
- 5. Animals injured or killed  Yes  No Numbers \_\_\_\_\_
- 6. Homes destroyed  Yes  No Numbers \_\_\_\_\_
- 7. Homes damaged  Yes  No Numbers \_\_\_\_\_



# Disaster Declaration Agreement (continued)

- 8. Businesses destroyed  Yes  No Numbers\_\_\_\_\_
- 9. Animals injured or killed  Yes  No Numbers\_\_\_\_\_
- 10. Homes destroyed  Yes  No Numbers\_\_\_\_\_
- 11. Farms and ranches damaged  Yes  No Numbers\_\_\_\_\_
- 12. Livestock killed  Yes  No Numbers\_\_\_\_\_

## Infrastructure Damage Assessment

Level 1- off-line for long term. Level 2- not working and repairs underway. Level 3- damaged but operational.

- Road systems  Damaged  Destroyed Level  1  2  3
- Sewer system  Damaged  Destroyed Level  1  2  3
- Irrigation ditches  Damaged  Destroyed Level  1  2  3
- Water treatment facility  Damaged  Destroyed Level  1  2  3
- Water delivery system  Damaged  Destroyed Level  1  2  3
- Natural gas delivery system  Damaged  Destroyed Level  1  2  3
- Electrical grid  Damaged  Destroyed Level  1  2  3
- Telecommunications system  Damaged  Destroyed Level  1  2  3
- Governmental facilities  Damaged  Destroyed Level  1  2  3
- Hospital facilities  Damaged  Destroyed Level  1  2  3
- Long Term Care facilities  Damaged  Destroyed Level  1  2  3
- Airport facilities  Damaged  Destroyed Level  1  2  3
- Fire Stations  Damaged  Destroyed Level  1  2  3
- Law enforcement facility  Damaged  Destroyed Level  1  2  3
- Railways  Damaged  Destroyed Level  1  2  3
- Schools  Damaged  Destroyed Level  1  2  3

## Disaster Declaration Agreement (continued)

### Resource Needs

- |                                      |                              |                             |                                    |                                    |
|--------------------------------------|------------------------------|-----------------------------|------------------------------------|------------------------------------|
| Need resource mobilization resources | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Need Interagency resources           | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Need private sector resources        | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| PIO services                         | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Sheltering facilities                | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Emergency animal sheltering          | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Food / water resources               | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Sanitation resource                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Security and site access control     | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Road repair                          | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Medical Reserve Corps                | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |
| Transportation of victims            | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> What_____ | <input type="checkbox"/> Qty._____ |

# Emergency Firefighting Fund Complexity Analysis

## COMPLEXITY ANALYSIS GUIDELINE

How complex must a situation be in order to qualify for an incident Management Team? The following chart should be used as a guideline for deciding the level of incident management team needed for an incident.

It is designed to help analyze the complexity or predicted complexity of a given fire situation. Assumptions are:

When a fire escapes initial attack, it is automatically considered for an incident management team. A Type 4, Type 3, Type 2, or a Type 1 team should manage it, depending on complexity level. As a fire situation becomes more complex, so does the need for a Type 1 team to handle a predicted Type 1 situation.

### Instructions for using this guideline:

Carefully analyze each secondary element under the listed primary factors, and check response column either yes or no.

Decisions should be based on the number of yes answers under the primary factors. As a rule of thumb, If the majority of the seven primary factors have secondary elements answered with a "yes," the complexity is great enough to warrant a Type I effort. If the majority of the seven primary factors do not have two or more secondary elements answered with a "yes," the complexity should remain at the IMG or Type II level. It should be emphasized that this analysis is based on predictions for the next burning period. Obviously, if the analysis is on the present situations and one of the primary factors is checked, a Type 1 situation already exists.

### SAFETY

- 1. Fixed wing and helicopters both involved.  Yes  No
- 2. More than one fuel type involved.  Yes  No
- 3. Extended exposure to risk or unusually hazardous line conditions.  Yes  No
- 4. Serious accident or fatality.  Yes  No

Subtotal: ..... \_\_\_\_\_

### MULTIPLE OWNERSHIPS

- 1. Fire burning on more than one land  Yes  No
- 2. ownership.  Yes  No
- 3. Disputed fire responsibility/authority.  Yes  No
- 4. Potential for claims.  Yes  No

Subtotal: ..... \_\_\_\_\_

### PERSONNEL AND OTHER RESOURCES COMMITTED

- 1. 200 or more people per shift.  Yes  No
- 2. Two or more divisions.  Yes  No
- 3. Multi-support agencies involved.  Yes  No
- 4. Local resources (personnel and equipment) not available or in condition suitable for initial attack.  Yes  No

Subtotal: ..... \_\_\_\_\_

## EFF Complexity Analysis (Continued)

### CONTAINMENT COST

1. \$50,000 or more per day.  Yes  No

Subtotal: ..... \_\_\_\_\_

### FIRE BEHAVIOR

1. Flame length of 6 feet or greater.  Yes  No

2. Duration uncontrolled - 2 or more burning periods.  Yes  No

3. Severe or extremely variable topography.  Yes  No

4. 1 Hr. fuel moisture 5% or less  Yes  No

5. Eye-level wind forecast greater than 20 mph.  Yes  No

6. Active crowning/spotting expected.  Yes  No

Subtotal: ..... \_\_\_\_\_

### CULTURAL RESOURCES

1. Urban interface.  Yes  No

2. Summer homes.  Yes  No

3. Other developments  Yes  No

Subtotal: ..... \_\_\_\_\_

### POLITICAL PROBLEMS

1. Controversial fire policy.  Yes  No

2. Poor relationship between ownerships.  Yes  No

3. Pre-existing controversies.  Yes  No

4. Local organization unable to establish positive media relationships.  Yes  No

Subtotal: ..... \_\_\_\_\_

**Total # of "Yes" answers:**

**0-2 Reinforced Attack**

**3-7 Type 3 Incident Management Team or Type4**

**8 -13 Type 2 Incident Management Team**

# EFF Analysis Form

## EFF ANALYSIS FORM

Date: \_\_\_\_\_ Time: \_\_\_\_\_ County: \_\_\_\_\_ Fire name: \_\_\_\_\_

Location: Lat/Long \_\_\_\_\_ Legal: T R Section(s) \_\_\_\_\_

### I. Resources

	<u>Current</u>		<u>Predicted</u>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
a. Has the normal mutual aid network been fully implemented?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b. Has the County committed all of its wildland resources defined in the County operating plan?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c. Have aviation resources been ordered?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d. Is the fire beyond the capability of local management team?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
e. Is water supply limiting suppression efforts?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
f. Is there a need for Interagency Regional or National resources?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
g. Is the availability of additional resources hampering suppression efforts?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### II. Values at Risk

a. Is the general public threatened?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b. Are structures threatened?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c. Are there unusually hazardous firefighting conditions?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d. Are historical values at risk?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
e. Does the fire involve mixed land ownership?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
f. Is critical infrastructure threatened?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### III. Fire Behavior

a. Is fire behavior dictating an indirect control strategy?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b. Is extreme fire behavior present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c. Is the 1000 hour fuel moisture below 12%?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d. Is the fuel type and condition conducive to rapid spread?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
e. Is accessibility limiting suppression efforts?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
f. Is the rate of spread beyond the suppression capability of local resources?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
g. Is fire burning on slope greater than 30%?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Wild Fire  
Boulder County Sheriff's Office  
Annex

## EFF Analysis Form (Continued)

### IV. Fire Weather

- a. Are wind speeds greater than 20 mph?  Yes  No  Yes  No
- b. Is the temperature above seasonal average for fire location?  Yes  No  Yes  No
- c. Is the RH below 15%?  Yes  No  Yes  No
- d. Are there any critical fire weather events?  Yes  No  Yes  No

### V. Other Considerations

- a. Are there political or economic concerns?  Yes  No  Yes  No
- b. Are non-fire incidents occurring which have an impact on fire operations?  Yes  No  Yes  No
- c. Is additional aviation management or oversight needed?  Yes  No  Yes  No
- d.  Yes  No  Yes  No
- e.  Yes  No  Yes  No

### VI. Totals A B C D

Current (A) + Predicted (C) = \_\_\_\_\_

Current (B) + Predicted (D) = \_\_\_\_\_

To qualify for EFF answers must reflect a total local level commitment to the fire.

Total of Columns A + C must be equal to or greater than 35.

  X   \_\_\_\_\_

Sheriff or Designee's Signature

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

DFPC DIRECTOR RESPONSE:  Yes  No

  X   \_\_\_\_\_

DFPC Director or Designee's Signature

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

# Command Staff Checklist

## Ownership and size up

Get an accurate and timely size-up from Emergency Services, field personnel and the EOC.

- Jurisdictional ownership
- Multi-agency event
- Type event (4,3,2,1)

If the ownership is shared, you will need to have a cost share agreement discussion and decide on how cost sharing will work for the incident. Typically each owner pays a percentage of the total costs based on the percentage of owned acreage burned, in the case of a fire.

## Emergency Services Contact/ Fire Chief/ Law Command

- Fire Duty Officer Contact
- BCSO Command Contact
- Fire Chief Contact
- Other

## Resource Mobilization and Cost Share

- What Resources have been ordered?
- Obtain 213 RR's from ordering point.
- Authority for ordering.
- Cost Share agreements in place:
- Who is in charge of the fire- Fire District or has it been delegated to the County.

## EOC Activation

By policy, the EOC is activated by the Sheriff, Police Chief, Fire Chief, OEM Director and their designees. It's best to err on the side of activating the EOC to the "Core Activation" level. It costs nothing and can be demobilized easily if they aren't needed. This includes an EOC Manager, Situational Awareness, Logistics, Law Enforcement, Fire and PIOs (with a couple others on standby).

- Does the EOC need to be activated?
- Core Activation
- Full Activation
- Determine ordering point for resources.

## Command Staff Checklist

### Contact State of Colorado Fire Officer on Duty

Meet with the State FMO ([303-279-8855](tel:303-279-8855)) immediately. Request an Emergency Fire Fund (EFF) complexity analysis. Get good situational awareness prior to this meeting, because you will be asked about the rate of spread, structures threatened, loss of life, etc. This meeting is the prerequisite to getting EFF funding, which is time sensitive. For this reason, it's important to get on this as soon as possible.

- Advise of fire and give a size up.
- Determine activating the EFF (emergency fire fund).
- Fill out the EFF form and fax to DFPC for approval.

### Incident Management Team Activation

We have our local Type 3 IMT to use if needed. They are activated by a request to OEM (via page from the Comms Center). An MOU is in place that acts as the delegation of authority, so you will just need to connect and review expectations with the IC verbally rather than having to sign a written delegation.

- Complete Complexity Analysis
- What type of Incident complexity are we dealing with?
- Has the fire district depleted capability and capacity?
- Has the fire district delegated the fire to the Sheriff?
- Activation of BCIMT Type III team.

### Boulder County Commissioners

Contact the Chair of the Board of County Commissioners, Cindy Domenico (cell: [303-961-7458](tel:303-961-7458)). If she is not available, call the Vice Chair, Deb Gardner (cell: [303-579-1042](tel:303-579-1042)), followed by Commissioner Elise Jones (cell: [303-579-8789](tel:303-579-8789)). You only need to speak to one of them. You are calling to give them situational awareness about the incident and any additional information they need.

As significant events occur or the incident progresses, it's important to continue to call your Commissioner contact back to keep them in the loop. Remain available to them throughout the incident.

- Prepare a size up report and plan to report to the BOCC.
- Contact the BOCC and provide a briefing of the incident and future situation.
- Request a representative to respond and be part of the Policy Group.
- Determine who else should be in the Policy Group and make contact with those individuals.



# Command Staff Checklist

## Emergency Disaster Declaration

Type it up, get it signed by the Commissioners, then faxed to the State Office of Emergency Management (OEM manages this process). There is no penalty for declaring. It can only help us, so do it early.

- Need the EFF paperwork complete?
- Disaster Declaration complete.
- Need the WERF paperwork complete?
- Cost-Share agreement with the State.
- Update complexity analysis receive a briefing updated.

## Order Type I or Type II Incident Management Team

Prior to making this decision, you must have a solid cost share agreement with the State, an EFF declaration and funding (for wildfires) and a Disaster Declaration signed and submitted to the State. It's an expensive decision (roughly \$1.2 million per day), so check-in with OEM before ordering to verify whether the State is or is not paying. Also confirm with the Commissioners, prior to ordering a federal team, if the county will be paying.

- Prior to ordering a Federal Incident Management Team review and make sure all of the above steps have been complete.
- Determine if a team needs to be ordered. If so make the call to order a team. (Most teams take 48 hours to be in place and take over the incident).
- Prepare a Delegation of authority for the Type I or Type II team. Be specific with what the objectives are for the team. Be specific with what the County and the Sheriff's office are going to handle.
- Policy Group involvement and meeting.

## Be Present

You'll need to attend briefings, check-in and maintain a presence at both the EOC and ICP. Be present and keep your situational awareness high. It will feel like you aren't doing much, but it's important you are there when critical decisions need to be made.

## Turn back standards (continued)

These standards are divided with consideration of both the fire perimeter and fire interior concerns. All jurisdictional responsible agencies (USFS, BLM, CSFS and Boulder County) have agreed to the following;

### General

- Provide general safety message for reentry planning addressing common hazards that may be found within the fire perimeter.

### Perimeter

#### Percent Containment

Standard for release is 100% contained with suppression effort reduced to a level which can be managed by a Type 3 organization.

### Mop up Standards

- Limit exposure and associated risk by confining mop up to fire perimeter only, except as defined below in "Interior standards". Mop up a distance which minimizes the potential for spread or spotting by considering fuel height, slope and burn intensity.

### Interior

#### Mop up Standards

- Mop up a distance around all threatened undamaged structures which minimizes the potential for spread or spotting by considering fuel height, slope and burn intensity. (recommended 66 feet) This will be planned and implemented by both the IMT1 and IMT3.

### Hazard Tree Removal

- Fall only snags or trees which provide a source of fire spread to threaten the structure, interfere with road access or pose an immediate hazard to firefighters or the public. This will be planned and implemented by both the IMT1 and IMT3.

### Fire line Repair Standards

#### General

1. All areas needing fire suppression repair work will be mapped and identified.
2. Repair work will include disturbed areas such as firelines, safety zones, drop points, camps, helicopter bases, water-drafting sites, and established roads that have been used as fuel breaks.
3. Remove signs, flagging, and other materials from all staging areas and drop points.
4. Provide Boulder County Interagency BAER Team radiometric maps of fire intensity

### Fire Control Line Repair

1. Construct waterbar hand lines at a 30 to 45 degree angle to the fireline.

# Turn Back Standards (continued)

2. Assure the downslope end of each waterbar is open and has adequate length to prevent runoff from reentering the control line below.

3. On slopes less than 15%, space waterbars every 100'. On slopes of 15-30%, space waterbars 50' apart and on slopes greater than 30%, space 25' apart

Within 100 feet of any public road:

1. Re-establish natural grade where needed by raking in berms.
2. Where feasible without compromising fire control, rake in organic material and disguise the line with slash.

## **Roads and Culverts**

1. The Damage Assessment Team will check and map any culverts, other drainage structures, ditch lines, and roads damaged by suppression activities.
2. Repair any roads, culverts, other drainage structures, and ditch lines that have been impacted by suppression activity.
3. Remove suppression-related debris for 100 feet from ditch lines and culvert inlets.
4. Block vehicle access into constructed safety zones where practicable as part of repair activities of firelines.

## **Special Emphasis Areas**

1. Cultural Resources: report and avoid any cultural resources discovered during suppression repair activities.
2. Stream crossings and riparian zones : Repair areas and restore drainage where suppression activities impacted streams, including crossings and any water impoundments created for suppression.

## **Incident Management Transition**

- The Boulder County Incident Management Team will manage the incident after the departure of the IMT1. If needed, given the remaining workload, the IMT1 will provide the below listed resources to compliment the IMT3 o 12-hour “shadowing” shift with all Command and General Staff along with Division Supervisors is requested.

Resource Provided by:

- Type 3 Incident Commander IMT3
- Type 3 Incident Commander Trainee IMT3
- Planning Section Chief and required supporting staff IMT3
- Operations Chief IMT3
- Operations Section Trainee IMT3
- Logistics Chief and required supporting staff IMT1 /3
- Finance Chief and required supporting staff IMT1/3
- Communications Specialist IMT1/3
- Information Officers IMT1/3

## Return of Delegation Example

Subject: Return of Authority

To: Fire Protection District

As of the date identified on the signature page, management of the Four Mile Canyon Fire is delegated back to the above Fire Protection Districts as unified Incident Command at the Type 5 complexity level. You have full authority and responsibility for managing the fire within your jurisdiction using the framework of laws, agency policy and agency administrator direction.

### **Priorities**

1. Protection of human life.
2. Protection of natural resources and human improvements (structures).
3. Consideration for needs of the local residents and communities.

### **Management objectives**

1. Life safety shall take priority over acres burned in the strategic and tactical decisions.
2. Maintain or enhance relationships with private landowners, other agencies and elected officials, as appropriate.
3. Provide access and support for rehabilitation efforts to natural resources.

### **Planning**

1. Limit number and duration of area closures. Maintain appropriate public access where the public is not at risk from fire operations and rehabilitation.

### **Operations**

1. Structure protection is primarily the responsibility of each fire protection district.
2. Initial attack responsibility is limited to the jurisdictional responsibility of each landowner and/or fire protection district.
3. BCSO Fire Management will provide mutual aid assistance at the discretion of the requesting

# Return of Delegation Example

district for public safety response.

## **Information**

1. Provide for public information as appropriate and required.

## Resource Protection

1. Support the implementation of appropriate resource protection measures.

## **End State**

Work as unified command to patrol and mop up the fire area within each responsible jurisdiction area.

Provide for an agreed date and time for the fire to be called officially "out". Support natural resource rehabilitation efforts across the entire fire area.

Effective date and time

This return delegation becomes effective at . 0800. hours on October   1  2010.

# Anatomy of Incident



1-3 hours

## Initial Attack

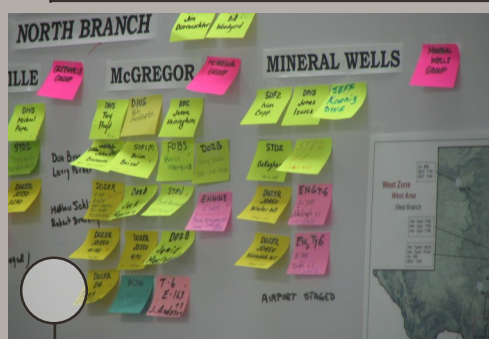
- ICS 201
- Incident Complexity Analysis
- Local Incident Analysis Form

## Cost Share

- Mutual Aid
- WERF
- Cost Share Agreement
- Evacuation Planning
- Public Information
- Investigation
- Budget and Funding Tracking

## Delegation

- Local Delegation
- Local Disaster Declaration
- Disaster Declaration Agreement



4-12 hours

12-? hours

## EFF

- ❑ EFF Complexity Analysis
- ❑ EFF Incident Analysis Form
- ❑ Delegation
- ❑ DFPC

## Transition

- ❑ IMT Agency Administrator
- ❑ IMT Agency Representative
- ❑ Reentry Planning
- ❑ Damage Assessment
- ❑ Infrastructure Repair

## Turn back

- ❑ Turn-back Standards
- ❑ Rehabilitation Standards
- ❑ Return of Delegation
- ❑ Burn Area Emergency Repair (BAER)

# Incident Evolution