California Energy Commission
DOCKETED
11-AFC-02
TN # 70059
MAR. 25 2013

SOUTHERN INYO FIRE PROTECTION DISTRICT
RESOLUTION NO. 2013-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE SOUTHERN INYO FIRE PROTECTION DISTRICT ADOPTING A DECLARATION OF DEPLOYMENT CONSISTENT WITH NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 1720

WHEREAS, the Southern Inyo Fire Protection District (the "District") has prepared a Declaration of Deployment Analysis ("Declaration") which reviews the existing deployment of resources and staffing and associated equipment deployed to emergency incidents by the District and establishes a baseline for the performance of District services, in order to allow the District to assess its future needs; and,

WHEREAS, the Declaration also provides information to the community and its various stakeholders relative to the level of service being provided; and,

WHEREAS, the goal of the Declaration is to describe the current level of deployment, assess the risk factors in the community, identify the distribution of fire stations, and determine if there are sufficient resources arriving in a time frame to mitigate the effect of a fire reaching the flashover phase and/or saving lives of patients experiencing a cardiac arrest or traumatic injury in that community; and,

WHEREAS, the Declaration proposes National Fire Protection Association ("NFPA") Standard 1720 to be the Standard for the Declaration for the District; and,

WHEREAS, the recommendations in the Declaration are adopted to improve or enhance the existing level of District services to varying degrees; and,

WHEREAS, one of the conditions that has generated the need for the Declaration is the future Hidden Hills Solar Energy Project ("Project"), which has clearly defined a need to build a fire station in closer proximity to the Project in order to meet even rural level of service.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Southern Inyo Fire Protection District:

1. The Board of Directors adopts NFPA Standard 1720 as the standard for deploying District assets and delivering District levels of service; and

2. The Board of Directors adopts the Declaration of Deployment Analysis, attached hereto and incorporated herein as Exhibit "A".

PASSED AND ADOPTED this 6th day of March, 2013, by the following vote:

AYES: Flinchum, Marks, Sanborn, Regnell
NOES:
ABSENT: Noel
ABSTAIN:

Chairman of the Board of Directors

ATTEST:

Secretary of the Board of Directors

APPROVED AS TO FORM BY:

William Ross, Esquire
District Counsel

Exhibit A

Declaration of Deployment Analysis

Summary

Declaration of Deployment – The department hereby declares the following:

Based upon the analysis and review of the body of this report, the SIFPD hereby declares its deployment as being characterized by the following factors. It is the intent of this declaration to meet the requirements of NFPA 1720, Section 1.2.1 "the purpose of this standard is to specify the minimum criteria addressing the effectiveness and efficiency of the volunteer and combination public fire suppression operations, emergency medical service, and special operations delivery in protecting the citizens of the jurisdiction."[1] In accordance with Section 1.3.1 the Authority Having Jurisdiction has determined this standard is applicable to its fire department. It is the intent of the department, in accordance with Section 4.4.2.1 to evaluate its level of service deployment delivery and response time objectives on an annual basis. Lastly, this report is deemed to comply with Annex A, Section A.1.3.1.

1. The Southern Inyo Fire Protection District fits two categories. Portions of the study area are within 8 miles driving distance, other portions are in excess of 8 mile travel time resulting in two different demand zones, rural and remote.

2. The area is defined as a low density and low demand area. In many rural areas the SIFPD may be the only public safety resource that is available to respond to an emergency on any basis.

3. Currently the SIFPD has 2 paid staff: This consists of a Fire Chief/Mechanic and Administrative Officer. Both respond to emergencies as volunteers. The department has 7 volunteers: 3 of which are trained as Emergency Medical Technicians (EMT) –Basic; two of them are soon to achieve AEMT. 2 Firefighter II, 1 Firefighter I, and 1 Entry Level Firefighter.

4. The SIFPD responds one engine, a water tender, and an ambulance and command vehicle on every event - Because of the limited staffing the organization has a limited ability to vary its responses.

5. Based upon this model the SIFPD faces a limited fire risk in that there are currently not many major buildings. Nonetheless, there is an expectation that the dwellings in this area should receive a response to limit damage whenever the department can.

6. "The first unit responding to a fire emergency shall be staffed with a minimum of 2 first responders who shall meet the minimum performance guidelines or certification as established by the SIFPD in its Rules of Engagement".

6a. "The first unit responding to a medical emergency shall be staffed with a minimum of 2 first responders who shall meet the minimum performance guidelines or certification as established by the SIFPD".

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[1] NFPA 1720 Standard for the Organization and Deployment of Fire Suppression Operations Emergency Medical Operations and Special Operations to the Public by Volunteer Fire Departments.

6b. "The first unit responding to any type of emergency shall be turned out within 12 minutes at a minimum during daylight hours and 12 minutes during evening hours. The equipment will be staffed with a minimum of 2 first responders and shall meet the minimum performance guidelines or certification as established by the SIFPD".

7. The department's deployment declaration is described in the following chart:

Total Response Force				
Demand Zone	Demographics	Minimum Equipment & Staff to Respond	Response Time Minutes	Objective (%)
Rural Area	<500 people per sq mile	Service Level D	15 minutes	75%
Remote Area	Travel Distance >8 miles	Service Level E	30 minutes or distance driven	75%
Special Risk	Bright Source	Initial Response	15 minutes	80%

8. Based upon assessment of organizational capacity and risk levels, the department hereby adopts the following service levels for fire and other emergencies:

Offensive Service Level C
This is the benchmark for the anticipated capacity for SIFPD in the future

Defensive Service Level D
This is the current level of capacity for SIFPD

Defensive Service Level E
This is the service level for the areas designated as remote.

8a. Based upon assessment of organizational capacity and risk levels, the department hereby adopts the following training levels for fire and other emergencies:

Offensive Service Level C
The departments Benchmark is to achieve this level for structural firefighting

Defensive Service Level D
The departments Baseline is this level when the risk is less than 8 miles

Defensive Service Level E
The departments Baseline is this level when the risk is more than 8 miles

9. EMS Service Level A1 – AEMT Program currently under development by SIFPD – 1 EMT and 1 First Responder

10. The following table represents the performance expectations of this department at the current time.[2]

[2] SIFPD has chosen to use the 8 mile limitation for definition of rural area.

Actual Performance Measures			
Incident Type	Actual Minimum	Time	%
Structural Fire			
Rural	Less than 8 miles	15 min	80%
Remote	More than 8 miles	30 min	70%
Wildland Fire			
Rural	Less than 8 miles	15 min	80%
Remote	More than 8 miles	30 min	70%
Medical (EMS)			
Rural	Less than 8 miles	15 min	80%
Remote	More than 8 miles	30 min	70%
Rescue			
Rural	Less than 8 miles	15 min	80%
Remote	More than 8 miles	30 min	70%
Special			
Rural	Less than 8 miles	15 min	80%
Remote	More than 8 miles	30 min	70%

11. It should be the goal of the SIFPD to achieve Class 8B ISO Rating within the 8 mile travel distance radius.

For 80% of all calls for service, within the populated Rural zone(s) the first due unit shall arrive within 15 minutes Response Time. The first due unit shall be capable of advancing the initial hose line for fire control or initiating rescue operations, or emergency medical intervention.

12. Specific Recommendations for Improvement -

The Table provides a listing of recommendations that assist the organization in improving its Deployment. *These recommendations will be included in Executive Summary, at beginning of Declaration of Deployment.*

Figure 1 – Summary of Recommendations

Recommendations	Time Frame in Month of Year	Impact/Cost Anticipated
1. Develop Fire Station in Charleston View	January 2014	$500,000
2. Staff Station in Charleston View	Consistent with Construction on the ground at Bright	Under Development

	Source	
3a. Acquire Water Tender	Consistent with Construction on the ground at Bright Source	$40,000 - $50,000 Used Equipment
3b. Acquire Additional Ambulance	Consistent with Construction on the ground at Bright Source	$40,000 - $50,000 Used Equipment
4. Build Fire Station and Maintenance Building in Tecopa	January 2015	$200,000