



MISSOULA FIRE DEPARTMENT PEAK ACTIVITY UNIT

ANALYSIS, STATISTICS AND OVERALL RECAP





PEAK ACTIVITY UNIT (PAU)

PURPOSE:

THE MISSOULA FIRE DEPARTMENT SOUGHT TO TEST A PEAK ACTIVITY UNIT (PAU) TO RESPOND TO NON AND LESSER EMERGENT CALLS.

MFD STAFFED THE PAU DURING TIMES WHEN RESPONSE ACTIVITY IS AT IT'S HEAVIEST.

THIS ALLOWED THE FIRST-LINE ENGINES TO PRIORITIZE HIGHER ACUITY CALLS.



PAU PURPOSE (cont.):

THE PAU ALSO SERVES AS AN ADDITIONAL RESPONDING UNIT TO EMERGENCY CALLS WHEN THEY ARE NEAREST APPARATUS TO THE SCENE.

THIS ALLOWS FIRST-LINE ENGINES TO REMAIN IN THEIR DISTRICT AS MUCH AS POSSIBLE



CONCURRENT INCIDENTS:

OF OUR 9,333 TOTAL CALLS FOR SERVICE IN THE CITY, OVER 33% OF 2018 SERVICE DEMAND OCCURRED WHILE ANOTHER INCIDENT WAS IN PROGRESS.

2018 CONCURRENT INCIDENTS	
NUMBER OF CONCURRENT INCIDENTS	PERCENTAGE OF INCIDENTS
1	66.78%
2	27.68%
3	4.87%
4	0.53%
5 or more	0.13%



PEAK ACTIVITY TIMES:

OPERATED BETWEEN JUNE 15TH THRU SEPTEMBER 28TH, 2019

33
TOTAL
Shifts

PEAK
ACTIVITY
Days:
Friday &
Saturday

PEAK
ACTIVITY
Times
1:00PM -
11:00PM

BONUS
1 Peak
Sunday Shift
8/11/19



PAU NUMBERS

208
TOTAL
RESPONSES

- CODE 1 (NON-EMERGENT) RESPONSES: **48**
- CODE 3 (EMERGENT) RESPONSES – FIRST RESPONDING APPARATUS: **92**



PEAK ACTIVITY TIMES:

- STAFFED FOR 33 TOTAL SHIFTS FROM JUNE 15TH THRU SEPTEMBER 28TH, 2019
- “PEAK ACTIVITY” DAYS: EVERY FRIDAY AND SATURDAY
- “PEAK ACTIVITY” TIMES: 1:00PM-11:00PM
- IT ALSO OPERATED ON ONE SUNDAY: AUGUST 11TH





PAU OPERATION:

MFD UTILIZED THE NEW AMBULANCE AS THE PAU AND STAFFED IT WITH ONE OFFICER AND ONE FIREFIGHTER DURING EACH OF ITS OPERATING SHIFTS.



PAU Staffing Cost for FY19:	\$28,887.73
-----------------------------	-------------



RESPONSE TIMES

PAU (unit 119) response time from time of dispatch to on scene for code 3 responses (90th percentile)	Response time: 0:05:39
PAU (unit 119) response time from time of dispatch to on scene for code 1 responses (90th percentile)	Response time: 0:08:44
Station 1 (unit 111) response time from time of dispatch to on scene for code 3 ems responses (90th percentile)	Response time: 0:08:01
Station 2 (unit 121) response time from time of dispatch to on scene for code 3 ems responses (90th percentile)	Response time: 0:06:16
Station 4 (unit 141) response time from time of dispatch to on scene for code 3 ems responses (90th percentile)	Response time: 0:07:32

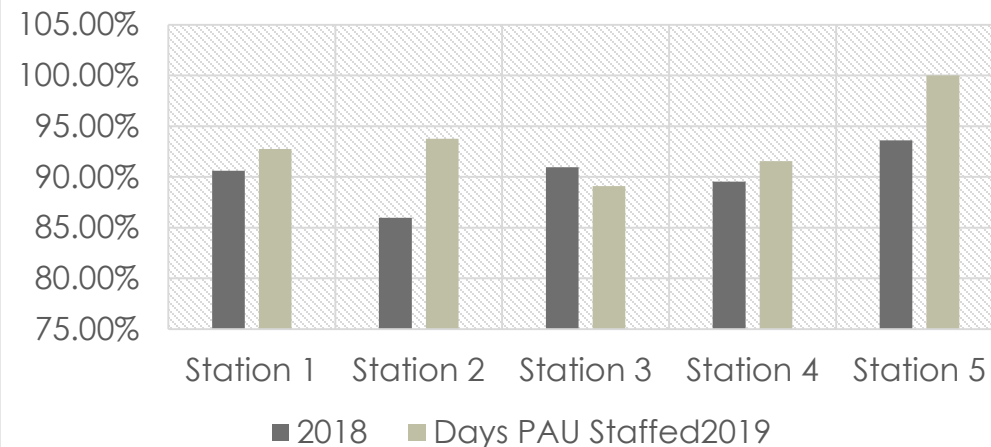




STATION RELIABILITY

- WHAT IS STATION RELIABILITY?
- NFPA REQUIREMENTS & THE 90TH PERCENTILE

PAU Efficacy Study



	2018 Overall	2019 Days PAU Staffed (2 days a week)
Station 1	90.60%	92.75%
Station 2	85.98%	93.75%
Station 3	90.96%	89.09%
Station 4	89.53%	91.57%
Station 5	93.61%	100.00%



GOALS MOVING FORWARD:

- OVERVIEW OF HOW THE PAU WAS USED
- PAU PURPOSE AS MFD'S ADDITIONAL RESOURCE





COMMENTS & QUESTIONS