

February 5, 2019

LOS ANGELES FIRE DEPARTMENT



RALPH M. TERRAZAS
FIRE CHIEF

January 23, 2019

BOARD OF FIRE COMMISSIONERS
FILE NO. 19-013

TO: Board of Fire Commissioners

FROM:  Ralph M. Terrazas, Fire Chief

SUBJECT: FIRE PREVENTION INSPECTION ACTIVITY - FOURTH QUARTER OF
CALENDAR YEAR 2018

FINAL ACTION:	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Corrections	<input type="checkbox"/> Withdrawn
	<input type="checkbox"/> Denied	<input type="checkbox"/> Received & Filed	<input type="checkbox"/> Other

SUMMARY

The information in this report outlines the fire prevention activities for the fourth quarter of the calendar year 2018 for the Sections in the Fire Prevention Bureau (FPB).

RECOMMENDATION

That the Board:
Receive and File.

DISCUSSION

By utilizing a weekly and monthly FireStat process, we have transitioned into a data driven and metric based Bureau by capturing and tracking efficiency levels. These actions have provided the FPB and Emergency Operations with the ability to plan, organize and project fire prevention metrics on a weekly, monthly, quarterly, or annual basis.

FIRE PREVENTION AND PUBLIC SAFETY BUREAU Overview

Fire Prevention and Public Safety Bureau		
Inspections Completed for Calendar Year 2018	17,219	93%
Inspections Completed for 4 th Quarter 2018	4,059	22%
Re-Inspections Completed for Calendar Year 2018	5,017	
Re-Inspections Completed for 4 th Quarter 2018	1,141	
Days of Productivity Lost Due to Days Off	1,195	

Inspections completed include Industrial and Commercial and Public Safety Sections. Currently 17,219 (93%) of these inspections have been completed for the 2018 calendar year. Re-inspections or follow up to inspections have become a priority with the FPB to ensure that compliance is met regarding fire life safety violations.

INDUSTRIAL AND COMMERCIAL SECTION Inspections

The Industrial and Commercial Section Battalion Chief is responsible for ensuring compliance with the fire code during maintenance and enforcement inspections of all industrial and commercial occupancies, high-rise buildings and brush inspections. Data was collected from the Fire Prevention Application (FPA) and reflects inspections completed for the 4th quarter of 2018.

Inspections Completed												
	District Total	1 st Quarter Goal = 25%		2 nd Quarter Goal = 25%		3 rd Quarter Goal = 25%		4 th Quarter Goal = 25%		Overall Pending Inspections	Overall Complete	Overall Goal= 100%
		#	%	#	%	#	%	#	%			
Industrial & Commercial Section 40 Members	8,654	1,795	21%	2,206	26%	1,781	21%	1,719	21%	1,141	7,513	87%
Central Industrial Unit 9 Members	2,183	472	22%	678	31%	495	23%	467	22%	71	2,112	97%
Harbor Industrial Unit 5 Members	683	141	21%	192	28%	155	23%	195	29%	0	683	100%
Harbor Industrial Oil Wells	1,200	140	12%	235	5%	81	15%	94	13%	650	550	46%
High-Rise Unit 13 Members	721	187	26%	231	32%	201	28%	105	14%	-3	724	100%
Valley Industrial Unit 7 Members	2,269	571	25%	571	25%	594	26%	540	24%	-7	2,276	100%
West Industrial Unit 5 Members	1,279	290	23%	301	24%	259	20%	318	25%	111	1,168	91%
Cannabis Unit Phase 1 1 Members	139	0	0%	0	0%	0	0%	33	24%	106	33	24%
Cannabis Unit Phase 2	35	0	0%	0	0%	0	0%	35	100%	0	35	100%

* Industrial and Commercial Section completed 21% of overall inspections during the 4th quarter.

INDUSTRIAL AND COMMERCIAL SECTION Re-Inspections

The following data was collected from FPA and reflects the pending and completed re-inspections for the 4th quarter of 2018:

	Re-Inspections											
	Completed						Due					
	1 st Qtr	2 nd Qtr	3 rd Qtr	Third Qtr Compared to Second Qtr	4 th Qtr	Fourth Qtr Compared to Third Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	Third Qtr Compared to Second Qtr	4 th Qtr	Fourth Qtr Compared to Third Qtr
Industrial & Commercial Section	562	910	636	30% (-)	707	11% (+)	184	317	267	16% (-)	335	25%
Central Industrial Unit	155	300	115	62% (-)	144	20% (+)	89	77	47	39% (-)	24	49% (-)
Harbor Industrial Unit	65	104	86	21% (-)	63	27% (-)	2	6	9	33% (+)	31	71% (+)
Harbor Industrial Oil Wells	21	12	28	57% (+)	23	18% (-)	1	36	51	29% (+)	61	16%
High-Rise Unit	127	226	177	28% (-)	223	21% (+)	32	63	61	3% (-)	12	80% (-)
Valley Industrial Unit	131	131	162	19% (+)	161	1% (-)	28	68	50	26% (-)	112	55% (+)
West Industrial Unit	63	137	68	50% (-)	92	26% (+)	32	67	49	27% (-)	92	47% (+)
Cannabis Unit Phase 1 & Phase 2	0	0	0	0%	1	0%	0	0	0	0%	3	0%

* Industrial and Commercial Section completed 707 re-inspections during the 4th quarter.

INDUSTRIAL AND COMMERCIAL SECTION Productivity Lost

The number of days lost reflects the reduction of productivity in days due to long term vacancies resulting from members' retirements, vacant districts, IOD, SK, FE and details.

Industrial & Commercial Section	# of Hours Off Due To:				Total Hours Off	Total Days Off
	IOD	SK	FE	Number of hours of Member Detailed Out		
Totals	1969	2040	452	0	4461	446
High-Rise Unit	920	1040	170	0	2130	213
Central Industrial Unit	0	540	20	0	560	56
Harbor Industrial Unit	0	90	30	0	120	12
Harbor Industrial Oil Wells	0	10	30	0	40	4
West Industrial Unit	9	10	6	0	25	2.5
Valley Industrial Unit	510	140	40	0	690	69
Brush Clearance Unit	530	210	146	0	886	88.6
Cannabis Unit	0	0	10	0	10	1

The Industrial and Commercial Section had a total of 446 days of productivity lost during the 4th quarter of 2018.

Industrial & Commercial Section	Total Possible	Hours Off	Hours Worked	% of Time Off	Fully Staffed	Actual # of Members	# of Members Reduced
Totals	33,550	4,461	29,089	13.3%	55	53	2

The total percent of productivity lost for the Industrial and Commercial Section was 13.3%, this equates to losing 7.3 members working during the 4th quarter of 2018.

INDUSTRIAL AND COMMERCIAL SECTION Early Warning Report for Overdue Inspections

The following data reflects overdue inspections for the Industrial and Commercial Section:

	Inspections			0-3 Months		3-6 Months		6-12 Months		> 1 Year	
				90 Days		180 Days		365 Days		730 Days	
				12/31/18		12/31/18		12/31/18		12/31/18	
				To		To		To		To	
				10/01/18		7/1/18		01/01/18		12/31/17	
	Total	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%
Industrial & Commercial Section	8,472	741	9%	146	2%	366	4%	676	7.98%	0	0.0%
Central Industrial	2,127	34	2%	11	1%	9	0.4%	13	0.61%	0	0.0%
Harbor Industrial	683	0	0%	0	0%	0	0%	0	0.00%	0	0%
Harbor Industrial Oil Wells	1200	663	55%	131	11%	356	29.7%	663	55.3%	0	0%
High-Rise Unit	733	0	0%	0	0%	0	0.0%	0	0.00%	0	0%
Valley Industrial	2,276	0	0%	0	0%	0	0.00%	0	0.00%	0	0%
West Industrial	1,279	44	3%	4	0%	1	0.1%	0	0.00%	0	0%
Cannabis Unit	174	0	0%	0	0%	0	0%	0	0%	0	0%

This report was created to ensure our Inspectors are inspecting the properties with the oldest date first.

Oil Well Management Plan

For 2019, we are implementing an aggressive training program to augment and provide additional HIU inspectors to assist with oil well inspections, witnessing of abandonment of oil wells and to address succession planning as well as the elimination of a known "single point of failure" within the Section. In order to help understand and quantify the impact, we elected to remove Oil wells inspections from the categorical HIU/FPA annual report. Oil wells are now showing as a separate category. This allows for a more accurate identification of both performance and resource deployment. The plan will have tenured Inspectors currently assigned to the HIU sharing one third of Oil wells and redistricting the remaining work load by one third. In addition multiple Inspectors will be trained to witness the oil well abandonment process.

INDUSTRIAL AND COMMERCIAL SECTION Brush Inspections

The following data was collected from the Brush Next Generation (Brush NG) program and reflects the stats for the 4th quarter of 2018. These inspections are on a calendar year:

Brush Clearance Unit							
	Total Secondly Inspections due	Pass (Completed)	Pass %	*Packages	*Parcels Abated	Fail (Non-Compliant)	% Fail
Private Parcel	13,946	11,790	85%	238	843	1,313	9%

This chart shows the total private parcels inspected during the 4th quarter of 2018 and the total number of abated parcels.

*Packages: A bundle of Parcels with hazards awarded to contractors.

*Parcels Abated: Hazards cleared and removed.

PUBLIC SAFETY SECTION

The Public Safety Section is overseen by a Battalion Chief and is responsible for ensuring compliance with the fire code during maintenance and enforcement inspections of all public assemblage occupancies, schools, churches, institutions and filming inspections.

Inspections completed data was collected from FPA and reflects inspections completed for the 4th quarter of 2018. These inspections are on a calendar year.

Inspections Completed 2018												
	District Total	1 st Quarter Goal = 25%		2 nd Quarter Goal = 25%		3 rd Quarter Goal = 25%		4 th Quarter Goal = 25%		Overall Pending Inspections	Overall Complete	Overall Goal= 100 %
		#	%	#	%	#	%	#	%			
Public Safety Section 44 Members	9,779	2,417	24.63%	2,573	26%	2,376	24%	2,291	23%	158	9,657	98%
Film Unit 6 Members	483	65	13%	151	31%	121	25%	126	26%	17	463	96%
Institutions Unit 5 Members	891	247	28%	224	25%	196	22%	222	25%	5	889	99%
Public Assemblage 16 Members	2,279	451	20%	547	24%	599	26%	639	28%	68	2,236	97%
Schools & Churches 9 Members	3,501	982	28%	853	24%	918	26%	652	18%	108	3,405	97%
Valley Public Safety 7 Members	2,625	672	26%	798	30%	542	20%	652	25%	-9	2,664	100%

* Public Safety Section completed 23% of overall inspections during the 4th quarter.

PUBLIC SAFETY SECTION Re-Inspections

The following data was collected from FPA and reflects the pending and completed re-inspections for the 4th quarter of 2018:

	Re-Inspections											
	Completed						Due					
	1 st Qtr	2 nd Qtr	3 rd Qtr	Third Qtr Compared to Second Qtr	4 th Qtr	Fourth Qtr Compared to Third Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	Third Qtr Compared to Second Qtr	4 th Qtr	Fourth Qtr Compared to Third Qtr
Public Safety Section	444	461	863	87% (+)	434	50% (-)	289	326	287	12% (-)	341	19%
Film Unit	0	0	0	0	0	0	0	0	0	0	1	0
Institutions Unit	53	40	86	53% (+)	38	56% (-)	17	21	13	38% (-)	24	46% (+)
Public Assemblage Unit	108	97	143	32% (+)	98	31% (-)	52	39	171	77% (+)	142	17% (-)
Schools & Churches Unit	122	113	414	73% (+)	209	50% (-)	150	174	70	60% (-)	130	46% (+)
Valley Public Safety Unit	161	211	220	4% (+)	89	60% (-)	70	92	33	64% (-)	44	25% (+)

Data Collected from FPA

* Public Safety Section completed 434 re-inspections during the 4th quarter. With increased training and emphasis placed on follow-up inspections there has been a steady increase in the numbers of re-inspections completed.

PUBLIC SAFETY SECTION Productivity Lost

Public Safety Section	# of Hours Off Due To				Total Hours Off	Total Days Off
	IOD	SK	FE	Number of hours of Members Detailed Out		
Totals	1536	1619	1250	160	4565	456.5
Film Unit	0	104	64	0	168	16.8
Schools, Churches & Institutions	1196	1113	520	160	2989	298.9
Public Assemblage Unit	0	311	554	0	865	86.5
Valley Public Safety Unit	340	91	112	0	543	54.3

The number of days lost reflects the reduction of productivity in days due to long term vacancies resulting from members' retirements, vacant districts, IOD, SK, FE and details.

The Public Safety Section had a total of 456.5 days of productivity lost during the 4th quarter of 2018.

Public Safety Section	Total Possible	Hours Off	Hours Worked	% of Time Off	Fully Staffed	Actual # of Members	# of Members Reduced
Totals	26,840	4,565	22,275	17%	44	44	0

The total percent of productivity lost for the Public Safety Section was 17%, this equates to losing 7.5 members working during the 4th quarter of 2018.

PUBLIC SAFETY SECTION Early Warning Report for Overdue Inspections

The following data reflects overdue inspections for the Public Safety Section:

	Inspections			0-3 Months		3-6 Months		6-12 Months		> 1 Year	
				90 Days		180 Days		365 Days		730 Days	
				12/31/18		12/31/18		12/31/18		12/31/18	
				To		To		To		To	
				10/01/18		7/1/18		01/01/18		12/31/17	
	Total	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%
Public Safety Section	9823	280	2.9%	160	1.6%	91	0.9%	29	0.3%	0	0.00%
Film Unit	479	11	0.1%	0	0.0%	5	1.0%	6	1.3%	0	0.00%
Institutions Unit	892	8	0.1%	8	0.9%	0	0.0%	0	0.0%	0	0.00%
Public Assemblage	2267	68	0.7%	17	0.7%	33	1.5%	18	0.8%	0	0.0%
Schools & Churches	3530	179	1.8%	123	3.5%	51	1.4%	5	0.1%	0	0.00%
Valley Public Safety	2655	14	0.1%	12	0.5%	2	0.1%	0	0.0%	0	0.00%

This report was created to ensure our Inspectors are inspecting the properties with the oldest date first.

FIRE DEVELOPMENT SERVICES SECTION

Fire Development Services Section is overseen by a civilian Senior Fire Protection Engineer and is responsible for ensuring compliance with the fire code during plan reviews, new constructions inspections and tenant improvement inspections.

Data from Q-Matic reflects the status of the plan check counter wait time for the 4th quarter of 2018.

Fire Development Services Section	Area Served	Counter Wait Time											
		% Seen Within 30 Minutes				% Seen Within 60 Minutes				Average Wait Time (Minutes)			
		Goal = 95% Metro = 85%				Goal = 99%				Goal = 15 Minutes			
		1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
Plan Reviews	Metro	86.73%	84.77%	85.86%	87.79%	98%	97.83%	96.32%	95.57%	13.3	14.75	14.7	11.85
	Van Nuys	92.1%	87.01%	86.69%	81.73%	100%	97.97%	98.53%	93.92%	11	13	15	16
	West LA	96.78%	96.63%	96.78%	85.73%	100%	99.71%	100%	90.23%	9	8	8	10
											Back Room Turn Around Time (Calendar Days)		
Hydrants & Access	# of Plan Reviews												
	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr									
	1,105	1,131	1,085	1,059									
											56 Days Backroom 14 Days Expedite		

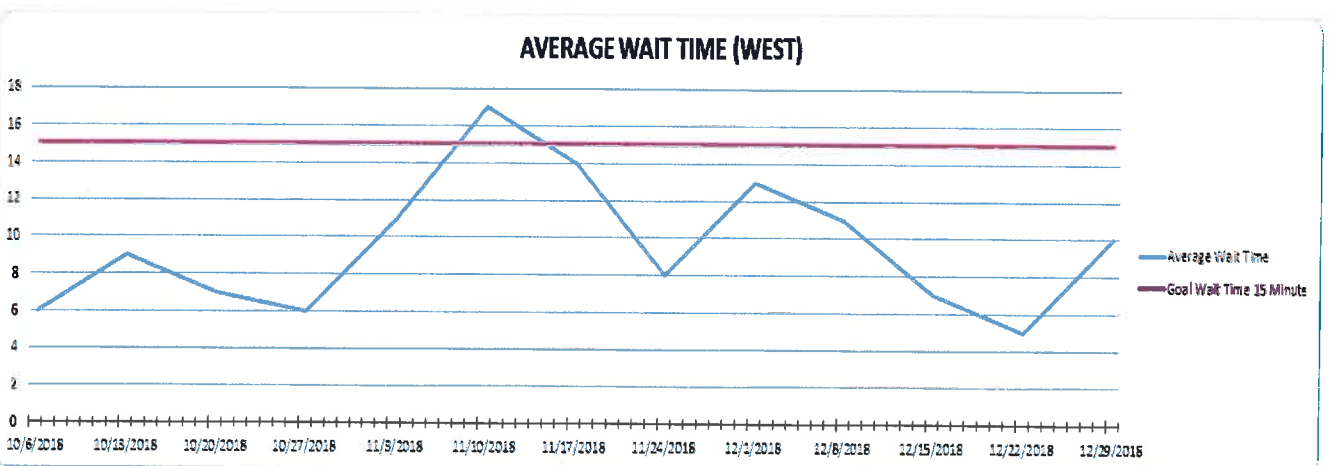
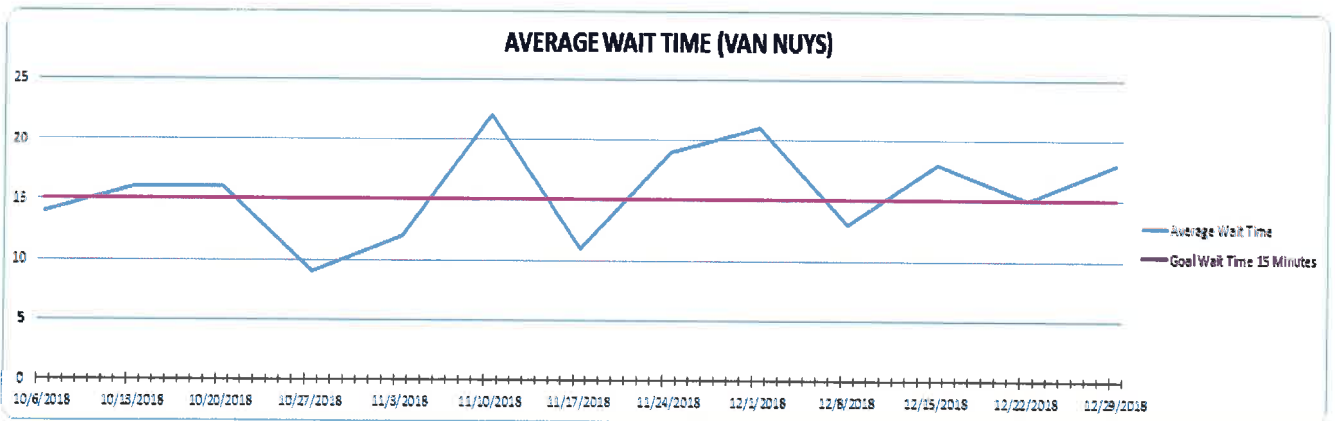
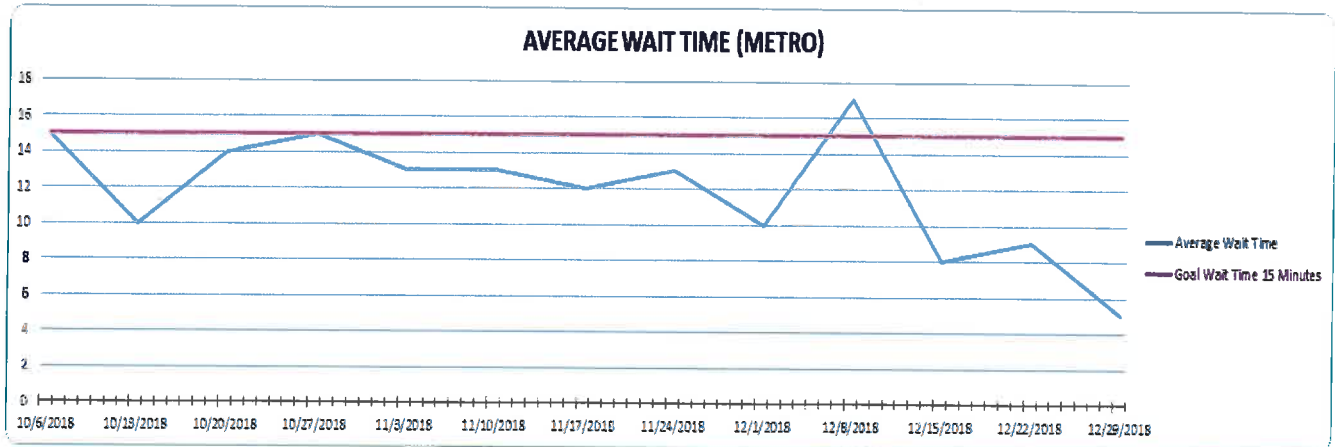
The backroom turn-around goal is six weeks. The average goal for customers to be seen within 30-minutes is 95% and within 60-minutes is 99%. Metro has been adjusted to 85% based on staffing. The average wait time goal is 15-minutes.

The following data was collected from Fire Inspection Management System (FIMS) and reflects the status of field inspection requests and scheduling:

Field Inspections	# of Inspections Requested				Scheduled Inspection Date											
					Preferred Date				Next Working Day				Within 48 hours Goal is 85%			
	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
TOTAL:	2,204	2,590	2200	2,216	68%	62%	63%	67%	81%	76%	78%	81%	88%	84%	85%	87%
Central:	1,015	1,184	948	1,063	65%	61%	62%	66%	77%	72%	73%	78%	85%	82%	80%	84%
South:	457	580	500	470	67%	58%	59%	65%	80%	73%	75%	79%	85%	79%	92%	86%
Valley:	275	304	297	243	73%	49%	57%	61%	89%	70%	80%	80%	96%	84%	92%	87%
West:	446	487	379	440	75%	79%	72%	74%	89%	92%	90%	89%	94%	95%	94%	93%

Field inspection goal is to be seen within 48-hours. This will put LAFD in alignment with LADBS. The "preferred date" column on previous page indicates the percentage of inspections scheduled on the customer's preferred date or the next working day.

The data for the following graphs was collected from Q-Matic and reflect counter wait times at the three area offices in the Fire Development Services Section:



FIRE DEVELOPMENT SERVICES SECTION Productivity Lost

The number of days lost reflects the reduction of productivity in days due to long term vacancies resulting from members' retirements, vacant districts, IOD, SK, FE and details.

Fire Development Services Section	# of Hours Off Due To				Total Hours Off	Total Days Off
	IOD	SK	FE	Number of hours of Members Detailed Out		
Totals	0	665	164	520	1349	134.9
Fire/Life Safety Plan Check Unit	0	97	50	0	147	14.7
Hydrants & Access Unit	0	119	10	0	129	12.9
Municipal Unit	0	10	0	0	10	1
Fire/Life Safety Inspection Unit	0	439	104	520	1063	106.3

The Fire Development Services Section had a total of 134.9 days of productivity lost.

Fire Development Services Section	Total Possible	Hours Off	Hours Worked	% of Time Off	Fully Staffed	Actual # of Members	# of Members Reduced
Totals	20,740	1,349	19,391	6.50%	34	34	0

The total percent of productivity lost for Fire Development Services Section was 6.50%, this equates to losing 2.21 members working during the 4th quarter of 2018.

ADMINISTRATIVE SECTION

The Administrative Section is overseen by a Battalion Chief and is responsible for ensuring compliance with Regulation No. 4 tests, illegal storage and criminal issues regarding fire and life safety violations, court hearings and unwanted alarm tracking. The Legal Unit works closely with the City Attorney's Office to bring building owners into compliance for all fire and life safety violations.

Legal Unit			
	Legal Packets Submitted to the Legal Unit	Reg 4 Hearings Processed	Reg. 4 Hearings Completed
1 st Quarter 2018	18	63	0
2 nd Quarter 2018	48	59	15
3 rd Quarter 2018	24	63	23
4 th Quarter 2018	20	71	10
2018 Quarter Totals	110	256	48

Legal packets may enter the Legal Unit from either a member of the FPB or members from a fire station. With more emphasis being placed by the fire department and holding building owners accountable for deficient fire protection systems and outstanding fire/life safety violations there has been a dramatic increase of legal cases submitted.

The majority of the Reg. 4 hearings relate to fire protection systems out of compliance, and overdue on anniversary dates via the compliance engine (Brycer).

ADMINISTRATIVE SECTION

The number of days lost reflects the reduction of productivity in days due to long term vacancies resulting from members' retirements, vacant districts, IOD, SK, FE and details.

Administration Section	# of Hours Off Due To				Total Hours Off	Total Days Off
	IOD	SK	FE	Number of Members Detailed Out		
Totals	180	80	100	1220	1580	158
Legal Unit	180	80	90	1220	1570	157
Planning Unit	0	0	0	0	0	0
Research Unit	0	0	10	0	10	1

The Administrative Section had a total of 158 days of productivity lost.

Administration Section	Total Possible	Hours Off	Hours Worked	% of Time Off	Fully Staffed	Actual # of Members	# of Members Reduced
Totals	7,930	1,580	6,350	19.92%	13	13	0

The total percent of productivity lost for the Administrative Section was 19.92%, this equates to losing 2.6 members working during the 4th quarter of 2018.

ADMINISTRATIVE SECTION R1/R2 Inspection Program

All multi-family residential apartment buildings in the state of California consisting of three or more units up to 15 shall be inspected by the local fire authority. The following data reflects the compliant and non-compliant inspections for calendar year 2018:

Research Unit		
R1/R2 Inspection Program 1 st Quarter		
R1/R2 Total Inspections	53,826	Total Percentage
Battalion 18 Total Number of Inspections	8,283	100%
Compliant	7,282	88%
Non-Compliant (Re-Inspect required)	1,001	12%

This chart shows the number of residential inspections conducted in all of Battalion 18.

Research Unit				
R1/R2 Inspection Program 2 nd Quarter				
R1/R2 Total Inspections	Fire Station 11 Total	Total Percentage	Fire Station 13 Total	Total Percentage
Battalion 11 Total Number of Inspections	520	100%	563 (Out of 1395)	40%
Compliant	462	89%	524	93%
Non-Compliant (Re-Inspect required)	58	11%	39	7%

This chart shows the number of residential inspections conducted by two fire stations from Battalion 11.

Research Unit		
R1/R2 Inspection Program 3 rd Quarter		
R1/R2 Total Inspections	Battalion 11 Total	Total Percentage
Battalion 11 Total Number of Inspections	7,117	100%
Total Number Inspected	3,236	45%
Compliant	2,510	35%
Non-Compliant (Re-Inspect required)	726	10%

This chart shows the number of residential inspections conducted in Battalion 11.

Research Unit		
R1/R2 Inspection Program 4 th Quarter		
R1/R2 Total Inspections	Battalion 11 Total	Total Percentage
Battalion 11 Total Number of Inspections	7,117	100%
Total Number Inspected	7,117	100%
Compliant	5,002	70%
Non-Compliant (Re-Inspect required)	2,115	30%

ADMINISTRATIVE SECTION FPB Referral Form

In an effort to streamline communications between field resources and the FPB, a one page fillable referral form has been developed. This referral form has allowed the FPB to expedite assistance and direction to mitigate field fire prevention concerns and complex issues. The following data reflects the number of referral forms collected during the 4th quarter of 2018:

FPB Referral Form					
Fourth Quarter Total of Referral Forms:	142	100%	YTD Totals:	526	100%
Total Number of Automatic Alarms 4 th Quarter:	80	56.34%	Total Number of Automatic Alarms:	329	62.55%
Total Number of Illegal Habitations:	10	7.04%	Total Number of Illegal Habitations:	55	10.46%
Total Number of Cannabis:	4	2.82%	Total Number of Cannabis:	19	3.61%
Total Number of Excessive Storage:	6	4.23%	Total Number of Excessive Storage:	31	5.89%
Total Number of Miscellaneous:	42	29.58%	Total Number of Miscellaneous:	92	17.49%

CONCLUSION

Through the efforts of the FPB personnel and the Department's overall commitment to fire/life safety, we have aggressively moved the fire prevention inspections as a priority Department-wide. Our focused approach and accountability measures both within Emergency Operations and the FPB are providing results. As we seek opportunities to improve efficiency and enhance service levels, we continue to rely on the commitment of all involved.

Board report prepared by Kristin M. Crowley, Deputy Chief, Fire Prevention and Public Safety Bureau.