

LOS ANGELES FIRE DEPARTMENT



RALPH M. TERRAZAS
FIRE CHIEF

November 7, 2017

BOARD OF FIRE COMMISSIONERS
FILE NO. 17-127

TO: Board of Fire Commissioners

FROM:  Ralph M. Terrazas, Fire Chief

SUBJECT: FIRE PREVENTION INSPECTION ACTIVITY - THIRD QUARTER OF
CALENDAR YEAR 2017

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 Withdrawn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 third quarter of the calendar year 2017 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 Bureau, capturing and tracking efficiency levels down to daily activity and success of our members. 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 2017	13,367	72.10%
Inspections Completed for 3rd Quarter 2017	4,643	25.07%
Re-Inspections Completed for Calendar Year 2017	5,596	
Re-Inspections Completed for 3rd Quarter 2107	2,330	
Days of Productivity Lost Due to Days Off	969	
% of Time Off Due to Days Off	12.27%	
# of Members Reduced Due to Days Off	18.7	

Inspections completed include Industrial and Commercial and Public Safety Sections. Currently 13,367 (72.10 %) of these inspections have been completed for calendar year 2017.

Re-inspections or follow up to inspections has become a priority with the FPB to ensure that compliance is met with all fire life safety violations.

Days of productivity lost are a measurement of members being off-duty (injury on duty, sick, family illness and details), and this time off creates an area of reduced productivity due to not having constant staffing. During the 3rd quarter, the FPB had a 12.27% reduction in staffing. This equates to losing over 18 members working 52 days each during this time period.

INDUSTRIAL AND COMMERCIAL SECTION Inspections

The Industrial and Commercial Section is overseen by a Battalion Chief and 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. Inspections completed data was collected from Fire Prevention Application (FPA) and reflects inspections completed for the calendar year 2017.

Inspections Completed									
	District Total	1st Quarter		2nd Quarter		3rd Quarter		Overall	
		Goal = 25%		Goal = 25%		Goal = 25%		Goal = 75%	
		#	%	#	%	#	%	#	%
Industrial Commercial Section 44 Members	8,691	2,013	23.14%	2,028	23.31%	2,213	25.46%	6,254	71.96%
Central Industrial Unit 7 Members	2,218	550	24.69%	511	22.94%	623	28.09%	1,684	75.92%
Harbor Industrial Unit 5 Members	2,235	516	25.15%	507	22.68%	504	23.65%	1,537	71.48%
High Rise Unit 11 Members	718	241	33.80%	180	25.25%	176	24.51%	597	84.28%
Valley Industrial Unit 6 Members	2,271	524	23.07%	553	24.35%	626	27.56%	1,703	74.99%
West Industrial Unit 4 Members	1,249	182	14.60%	280	22.45%	288	23.06%	750	60.05%

* Industrial and Commercial Section completed 25% of overall inspections during 3rd quarter.

** Overall, 71.96% of the inspections have been completed this calendar year.

Data Collected from FPA

INDUSTRIAL AND COMMERCIAL SECTION Re-Inspections

The following data was collected from the Fire Prevention Application (FPA) and reflects the pending and completed re-inspections of the first three quarters of 2017.

	Re-Inspections					
	Pending			Completed		
	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr
Industrial Commercial Section	1,127	1,017	249	960	978	1,327
Central Industrial Unit	370	282	78	293	367	240
Harbor Industrial Unit	58	69	15	125	82	79
High Rise Unit	152	192	62	225	165	281
Valley Industrial Unit	467	425	25	198	278	558
West Industrial Unit	80	49	69	119	86	169

* Industrial and Commercial Section completed 1,327 re-inspections during 3rd quarter. With increased training and emphasis placed on follow-up inspections there has been a steady increase in the numbers of re-inspections completed.

Data Collected from FPA

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.

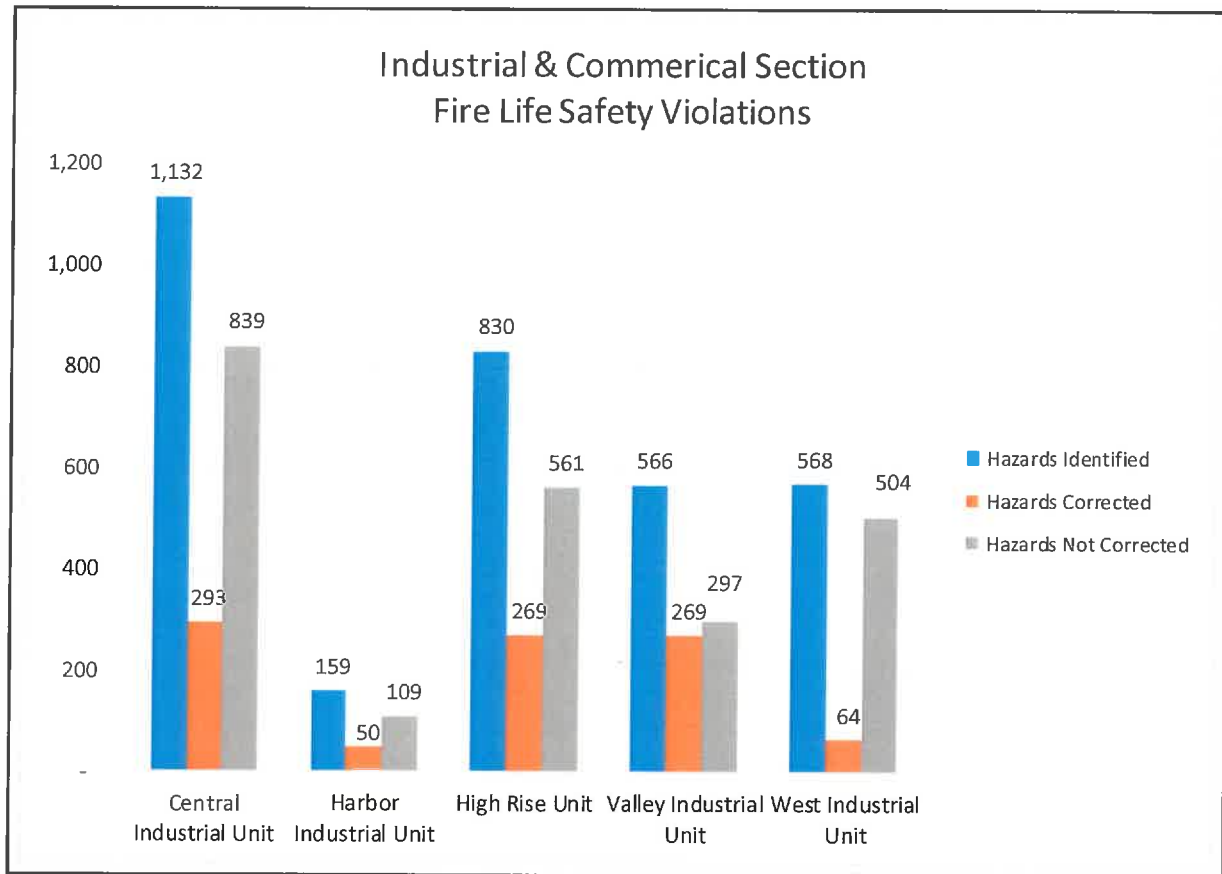
District #	# of Hours Off Due To					Total Hours Off	Total Days Off
	IOD	SK	FE	Vacant District	Member Detailed Out		
Industrial Commercial Section	1708	1094	364	0	0	3,166	316
High Rise	520	356	70	0	0	946	94
Central Industrial Unit	520	120	100	0	0	740	74
Harbor Industrial Unit	210	112	0	0	0	322	32
West Industrial Unit	448	248	10	0	0	706	70
Valley Industrial Unit	10	63	45	0	0	118	11
Brush Clearance Unit	0	195	139	0	0	334	33

The Public Safety Section had a total of 316 days of productivity lost during 3rd quarter of 2017.

District #	Total Possible	Hours Worked	% of Time Off	Potential # of	Actual # of Members	# of Members
Industrial Commercial Section	24,440	21274	12.95%	47	40.91	6.09
High Rise	4,160	3214	22.74%	8	6.18	1.82
Central Industrial Unit	4,160	3420	17.79%	8	6.58	1.42
Harbor Industrial Unit	2,600	2278	12.38%	5	4.38	0.62
West Industrial Unit	2,600	1894	27.15%	5	3.64	1.36
Valley Industrial Unit	3,120	3002	3.78%	6	5.77	0.23
Brush Clearance Unit	7,800	7466	4.28%	15	14.36	0.64

The total percent of productivity lost for the Public Safety Section was 12.95%, this equates to losing over six members working 52 days each during this time period.

**INDUSTRIAL AND COMMERCIAL SECTION
Hazards Identified and Corrected 3rd Quarter**



Hazards Identified: Fire/Life Safety violations a Fire Inspector has identified during an inspection.

Hazards Corrected: Fire/Life Safety violations that have been corrected by the property/business owner and were identified as corrected during a re-inspection by a Fire Inspector.

Hazards Not Corrected: Fire/Life Safety violations that are pending a re-inspection/follow-up from a Fire Inspector to ensure compliance.

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		> 2-Years	
				90 Days		180 Days		365 Days		730 Days		1095 Days	
				10/30/2016		08/01/16		05/03/16		10/31/15		10/31/14	
				to		to		to		to		to	
				8/1/2016		05/03/16		10/31/15		10/31/14		10/31/13	
	Total	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%
Industrial Commercial Section	8,397	645	8%	465	72%	91	14%	87	13%	2	0%	0	0%

	Inspections			0-3 Months		3-6 Months		6-12 Months		> 1-Year		> 2-Years	
				90 Days		180 Days		365 Days		730 Days		1095 Days	
				10/30/2016		08/01/16		05/03/16		10/31/15		10/31/14	
				to		to		to		to		to	
				8/1/2016		05/03/16		10/31/15		10/31/14		10/31/13	
	Total	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%
Industrial Commercial Section	8,397	645	8%	465	72%	91	14%	87	13%	2	0%	0	0%
Central Industrial Unit * 2 with NO Date	2,220	117	5%	88	75%	0	0%	27	23%	2	2%	0	0%
Harbor Industrial Unit * 22 Pending Legal	1,926	52	3%	52	100%	0	0%	0	0%	0	0%	0	0%
High Rise Unit	719	16	2%	15	94%	1	6%	0	0%	0	0%	0	0%
Valley Industrial Unit	2,282	188	8%	130	69%	20	11%	38	20%	0	0%	0	0%
West Industrial Unit	1,250	272	22%	180	66%	70	26%	22	8%	0	0%	0	0%

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

INDUSTRIAL AND COMMERCIAL SECTION Brush Inspections

The following data was collected from the Brush Next Generation (Brush NG) program and reflects the stats of the calendar year 2017. These inspections are on a calendar year:

Brush Clearance Unit					
	Pass	% Pass	Fail	% Fail	Total
Overall	130,504	89.76%	14,887	10.24%	145,391
Brush Clearance Unit	12,799	79.14%	3,383	20.92%	16,172
Brush Task Force	117,705	91.10%	11,504	8.90%	129,209
Gov't Parcel	442	48.62%	467	51.38%	909
Bid	N/A	N/A	N/A	N/A	282
Other Agencies	N/A	N/A	N/A	N/A	N/A

This chart shows that during the 2017 brush season there were a total of 145,391 brush inspections conducted.

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 the FPA and reflects inspections completed of the calendar year 2017. These inspections are on a calendar year.

Inspections Completed 2017									
	District Total	1st Quarter		2nd Quarter		3rd Quarter		Overall	
		Goal = 25%		Goal = 25%		Goal = 25%		Goal = 75%	
		#	%	#	%	#	%	#	%
Public Safety Section 38 Members	9,846	2,492	25.31%	2,191	22.25%	2,430	24.68%	7,113	72.24%
Film Unit 6 Members	483	167	34.58%	83	17.18%	201	41.61%	451	93.37%
Institutions Unit 4 Members	896	255	28.46%	202	26.37%	179	19.98%	636	70.98%
Public Assemblage Unit 14 Members	2,296	588	25.61%	506	22.04%	552	24.04%	1,646	71.69%
Schools & Churches Unit 9 Members	3,477	823	23.67%	721	20.74%	687	19.76%	2,231	64.16%
Valley Public Safety Unit 5 Members	2,694	659	24.46%	679	25.20%	721	26.76%	2,059	76.43%

* Public Safety Section completed 24.68% of overall inspections during 3rd quarter.

** Overall, 72.24% of the inspections have been completed this calendar year.

Data Collected from FPA

PUBLIC SAFETY SECTION Re-Inspections

The following data was collected from the Fire Prevention Application (FPA) and reflects the pending and completed re-inspections of the first three quarters of 2017.

	Re-Inspections					
	Pending			Completed		
	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr
Public Safety Section	233	310	227	521	807	1,003
Film Unit	0	3	21	0	0	8
Institutions Unit	38	22	17	67	84	80
Public Assemblage Unit	35	56	34	162	199	281
Schools & Churches Unit	148	113	85	140	235	251
Valley Public Safety Unit	12	116	70	151	289	383

* Public Safety Section completed 1,003 re-inspections during 3rd quarter. With increased training and emphasis placed on follow-up inspections there has been a steady increase in the numbers of re-inspections completed.

Data Collected from FPA

PUBLIC SAFETY 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.

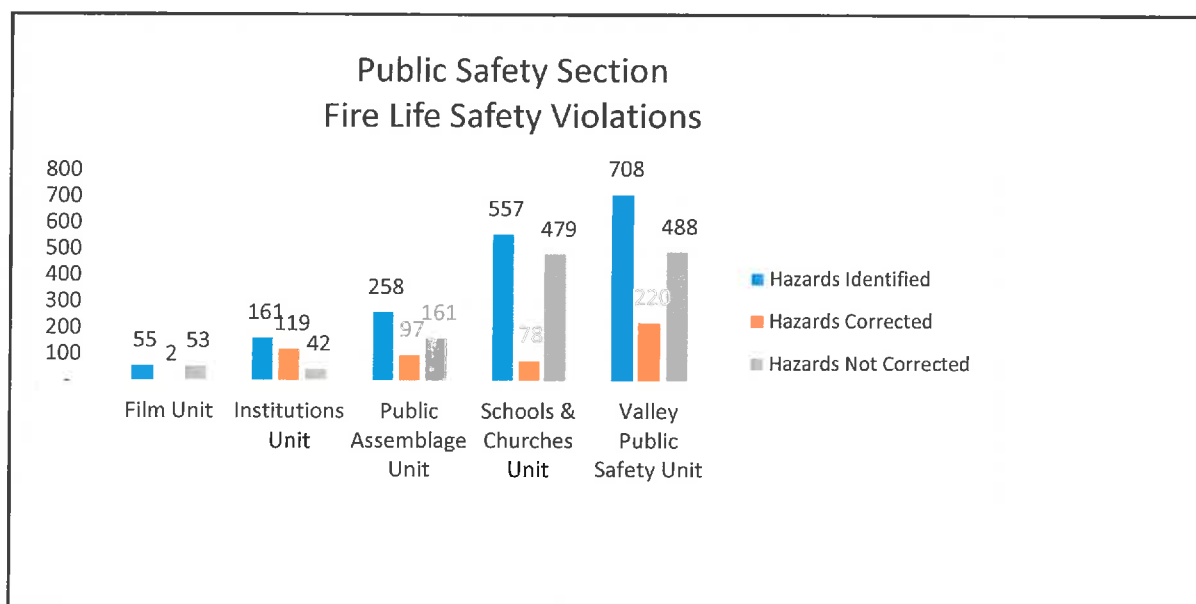
District #	# of Hours Off Due To					Total Hours Off	Total Days Off
	IOD	SK	FE	Vacant District	Member Detailed Out		
Public Safety Section	1,144	1,075	336	520	520	3,615	361
Film Unit	30	131	30	0	0	211	21
Schools, Churches & Institutions Unit	1,114	360	171	520	520	2,685	268
Public Assemblage Unit	0	574	105	0	0	679	67
Valley Public Safety Unit	0	10	30	0	0	40	4

The Public Safety Section had a total of 361 days of productivity lost during 3rd quarter of 2017.

District #	Total Possible Hours	Hours Off	Hours Worked	% of Time Off	Potential # of Members	Actual # of Members	# of Members Reduced
Public Safety Section	21,840	3,615	18,225	16.55%	42	35	6.95
Film Unit	3,120	211	2,909	6.76%	6.00	5.59	0.41
Schools, Churches & Institutions Unit	7,280	2,685	4,595	36.88%	14.00	8.84	5.16
Public Assemblage Unit	7,800	679	7,121	8.71%	15.00	13.69	1.31
Valley Public Safety Unit	3,640	40	3,600	1.10%	7.00	6.92	0.08

The total percent of productivity lost for the Public Safety Section was 16.55%, this equates to losing almost seven members working 52 days each during this time period.

PUBLIC SAFETY SECTION
Hazards Identified and Corrected 3rd Quarter



Data Collected from FPA

Hazards Identified: Fire/Life Safety violations a Fire Inspector has identified during an inspection.

Hazards Corrected: Fire/Life Safety violations that have been corrected by the property/business owner and were identified as corrected during a re-inspection by a Fire Inspector.

Hazards Not Corrected: Fire/Life Safety violations that have not been corrected and are pending a re-inspection/follow-up from a Fire Inspector to ensure compliance.

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		> 2-Years	
				90 Days		180 Days		365 Days		730 Days		1095 Days	
				10/30/2016		08/01/16		05/03/16		10/31/15		10/31/14	
				to		to		to		to		to	
				8/1/2016		05/03/16		10/31/15		10/31/14		10/31/13	
	Total	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%
Public Safety Section	9,836	869	9%	587	68%	90	10%	191	22%	1	0%	0	0%

	Inspections			0-3 Months		3-6 Months		6-12 Months		> 1-Year		> 2-Years	
				90 Days		180 Days		365 Days		730 Days		1095 Days	
				10/30/2016		08/01/16		05/03/16		10/31/15		10/31/14	
				to		to		to		to		to	
				8/1/2016		05/03/16		10/31/15		10/31/14		10/31/13	
	Total	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%	Overdue	%
Public Safety Section	9,836	869	9%	587	68%	90	10%	191	22%	1	0%	0	0%
Film Unit	482	1	0%	1	100%	0	0%	0	0%	0	0%	0	0%
Institutions Unit	894	70	8%	57	81%	13	19%	0	0%	0	0%	0	0%
Public Assemblage Unit * 1 with NO Date	2,289	203	9%	184	91%	18	9%	1	0%	0	0%	0	0%
Schools & Churches Unit	3,520	412	12%	175	42%	49	12%	188	46%	0	0%	0	0%
Valley Public Safety Unit	2,651	183	7%	170	93%	10	5%	2	1%	1	1%	0	0%

Data Collected from FPA

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.

The following data was collected from Fire Inspection Management System (FIMS) reflect the status of field inspections requests and scheduling. Data from Q-Matic reflects the status of the plan check counter wait time and the number of customers served at the counter for calendar year 2017.

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 = 95%			Goal = 15 Minutes		
		1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr
Plan Reviews	Metro	91%	83%	91%	99%	96%	99%	12	16	11
	Van Nuys	92%	90%	93%	99%	98%	99%	11	12	11
	West LA	98%	94%	97%	100%	99%	100%	6	8	8
Hydrants & Access									Back Room Turn-Around Time (Calendar Days)	
									40 Days Backroom	
									9 Days Expedite	

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. Average wait time goal is 15-minutes. Field inspections goal is to be seen within 48-hours. This will put LAFD in alignment with LADBS. Schedule/preferred indicated percentage of inspections scheduled on the customer preferred data or the next working day.

Data collected from Q-Matic

FIRE DEVELOPMENT SERVICES SECTION

Field Inspections	# Inspections Requested			Percentage Cancelled					
				Inspector			Customer		
	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr
Total:	2,318	2,689	2,500	2.10%	1.70%	2.3%	13.60%	14.50%	10.6%
Central:	921	1,059	926	3.00%	2.10%	3.5%	10.90%	15.00%	10.8%
South:	383	581	551	1.60%	3.10%	2.0%	13.30%	15.80%	11.9%
Valley:	421	375	347	1.90%	0.30%	1.2%	17.10%	13.50%	11.3%
West:	586	657	661	1.20%	0.60%	1.5%	15.50%	13.10%	9.2%

Field inspections goal is to be seen within 48-hours. This will put the LAFD in alignment with LADBS.

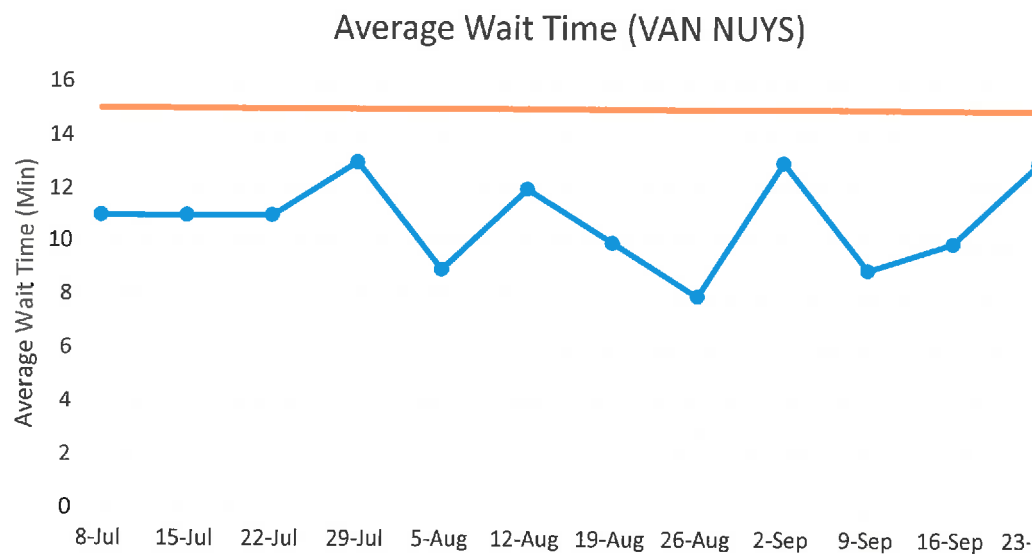
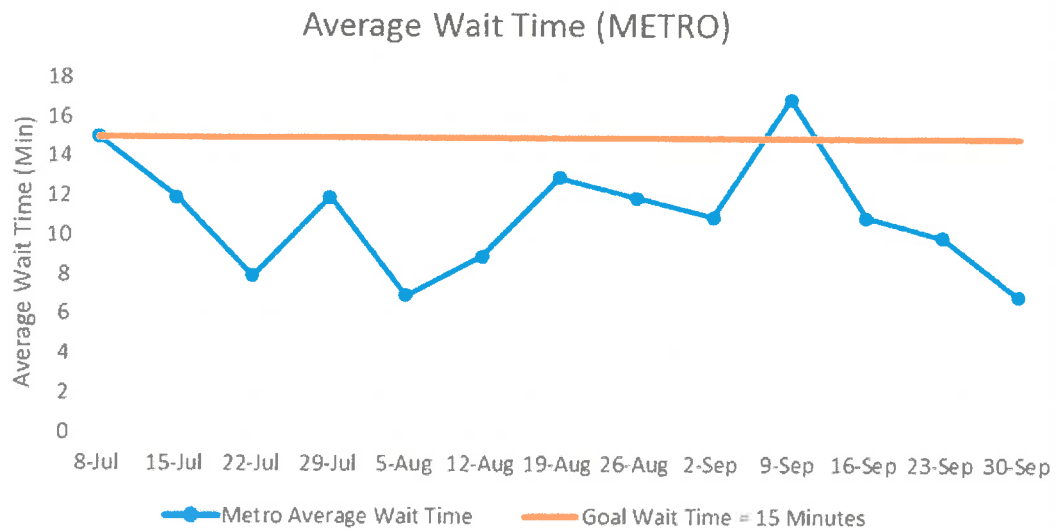
Schedule/Preferred indicates percentage of inspections scheduled on the customer preferred date or the next working date.

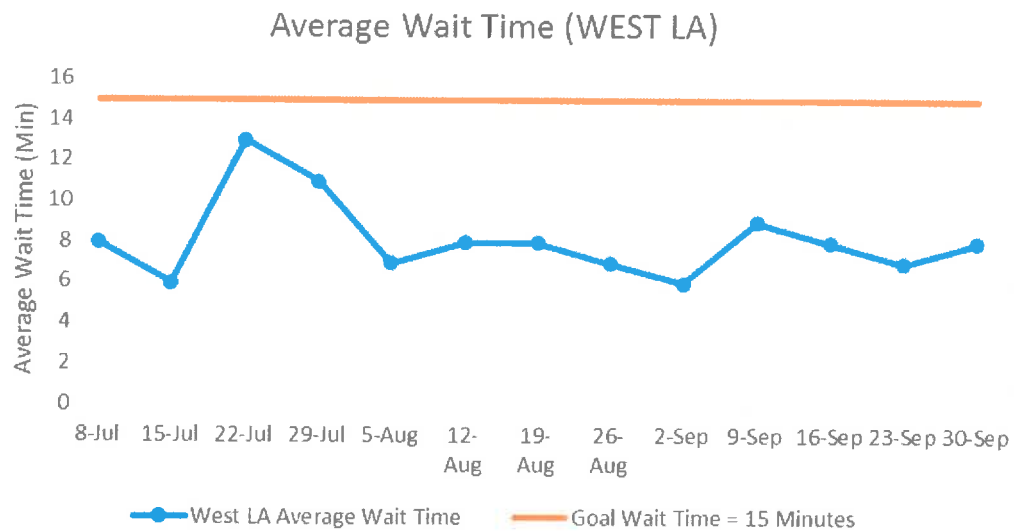
Field Inspections	# of Overtime Requested			Scheduled Inspection Date								
				Preferred Date			Next Working Day			Within 48 Hours		
	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr	1st Qtr	2nd Qtr	3rd Qtr
Total:	879	1,045	876	69.10%	68.70%	65.90%	80.40%	80.60%	79.20%	88.10%	87.70%	86.50%
Central:	348	442	348	66.20%	67.10%	66.30%	76.60%	77.90%	78.50%	85.10%	84.50%	85.60%
South:	180	214	216	66.40%	67.10%	64.70%	79.90%	82.70%	77.90%	88.30%	90.50%	85.80%
Valley:	87	75	56	74.90%	78.00%	77.40%	87.00%	88.10%	91.80%	93.10%	93.50%	96.60%
West:	261	302	251	72.30%	67.70%	61.30%	82.20%	79.70%	74.90%	89.40%	87.60%	83.30%

Backroom turn-around time is with-in six weeks. Complex plans are reviewed by a Fire Protection Engineer behind the counter.

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. Average wait time goal is 15-minutes. Field inspection goal is to be seen with-in 48-hours. This will put the LAFD in alignment with LADBS. Schedule/Preferred indicates percentage of inspections scheduled on the customer preferred date or the next working day.

The following data was collected from Q-Matic and reflects the counter wait time at the three customer service area offices.





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

District #	# of Hours Off Due To					Total Hours Off	Total Days Off
	IOD	SK	FE	Vacant District	Member Detailed Out		
Fire Development Services Section	520	924	105	0	280	1,829	182
Fire/Life Safety Plan Check Unit	0	114	15	0	0	129	12
Hydrant & Access Unit	0	10	70	0	0	80	8
Municipal Services Unit	520	10	0	0	280	810	81
Fire/Life Safety Field Inspection Unit	0	790	20	0	0	810	81

The Fire Development Services Section had a total of 182 days of productivity lost.

District #	Total Possible Hours	Hours Off	Hours Worked	% of Time Off	Potential # of Members	Actual # of Members	# of Members Reduced
Fire Development Services Section	15,600	1,829	13771	11.72%	30	26.48	3.52
Fire/Life Safety Plan Check Unit	4,680	129	4551	2.76%	9	8.75	0.25
Hydrant & Access Unit	3,120	80	3040	2.56%	6.00	5.85	0.15
Municipal Services Unit	2,080	810	1270	38.94%	4	2.44	1.56
Fire/Life Safety Field Inspection Unit	5,720	810	4910	14.16%	11.00	9.44	1.56

The total percent of productivity lost for Fire Development Services Section was 11.72%, this equates to losing over three members working 52 days each during this time period.

ADMINISTRATIVE SECTION

The Administrative Section is overseen by a Battalion Chief and is responsible for ensuring compliance with Regulation 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 Legal Unit	Reg 4 Hearings Processed
1st & 2nd Quarters 2017	90	227
3rd Quarter 2017	43	93
2017 Totals 1st, 2nd & 3rd Qtrs	133	320

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.

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.

District #	# of Hours Off Due To					Total Hours Off	Total Days Off
	IOD	SK	FE	Vacant District	Member Detailed Out		
Administrative Section	90	197	25	0	30	342	34.0
Legal Unit	80	187	25	0	30	322	32.0
Planning Unit	10	10	0	0	0	20	2.0
Research Unit	0	0	0	0	0	0	0.0

The Administrative Section had a total of 34 days of productivity lost.

District #	Total Possible	Hours Off	Hours Worked	% of Time Off	Potential # of	Actual # of Members	# of Members
Administrative Section	6,240	342	5898	5.48%	12	11.34	0.66
Legal Unit	4,160	322	3838	7.74%	8	7.38	0.62
Planning Unit	520	20	500	3.85%	1	0.96	0.04
Research Unit	1560	0	1560	0.00%	3	3.00	0.00

The total percent of productivity lost for the Administrative Section was 5.48%, this equates to losing less than one member working 52 days each during this time period.

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.