

EL DORADO HILLS

FIRE DEPARTMENT

2016 Annual Report



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Dear Directors and Community Members:

On behalf of the members of the El Dorado Hills Fire Department, I am pleased to bring you our Annual Report for 2016.

As attested to in this Annual Report, the firefighting and administrative staff of the El Dorado Hills Fire Department continue to meet the increasing challenges of delivering exceptional Emergency Services to the communities we protect.

As usual, the year 2016 brought a lot of growth to our Community, both residential and commercial. With growth comes increased demand for services of all kinds. Through it all, your Fire Department remained focused on what is important - providing the best possible service to the residents and businesses we protect. To make that possible, we aim to provide the best possible training and equipment for our Firefighters to ensure they have the tools and expertise to deliver a safe and positive outcome for each challenge to which they respond.

In 2016, we added a Water Rescue capability to our Technical Rescue “tool-box” which was used several times with positive outcomes. We also completed a major two-part Department project consisting of a Community Risk Assessment and subsequent Standards of Cover Study. These studies were done by a highly respected third party reviewer. CITYGATE Associates finalized the studies and presented us with their findings in July of 2016. The Department was pleased that CITYGATE found our Operations and Deployment of Resources to be effective and only recommended slight modifications. These findings validated all the work we had done over the years in structuring the organization to keep up with growth and making it what it is today.

As a service delivery organization, we would be nothing without our team members. We are extremely proud of each and every one of them. Please visit the section that highlights all the great things and career path promotions our people have accomplished this year.

As you study this Annual Report highlighting the year of 2016, you will become familiar with the increasing demands for service being placed on your Fire Department and the dedication required to meet those challenges. It is an honor for me to serve as your Fire Chief and to have the opportunity to work with such dedicated individuals. I am always available to answer any questions you may have.

Respectfully,

A handwritten signature in black ink, appearing to read "Dave Roberts", written over a light blue horizontal line.

Dave Roberts
Fire Chief

Serving the Communities of El Dorado Hills, Latrobe and Rescue



District Information

Board of Directors

El Dorado Hills Fire Department is governed by an elected, five-member Board of Directors who meet monthly for regular meetings.

<u>NAME</u>	<u>TITLE</u>	<u>ELECTED/APPOINTED</u>
John Hidahl	President	2000 (served through November 2016)
Gregory Durante	Vice President	2008
Jim Hartley	Director	2000
Barbara Winn	Director	2009
Doug Hus	Director	2014
John Giraudo	Director	2016 (elected November 2016)
Mike Cook	Board Counsel	1988
Jessica Braddock	Board Secretary	2015

STANDING COMMITTEES

Administrative Committee
Fire Committee
Joint Powers Authority

John Hidahl	Greg Durante
Barbara Winn	Doug Hus
Jim Hartley	John Hidahl

AD HOC COMMITTEES

Regional Operations Committee
Communications Committee
Solar Committee
Volunteer Stakeholders Committee
Training Facility Committee
CSD/Fire Collaboration Committee

Jim Hartley	John Hidahl
Greg Durante	Barbara Winn
Doug Hus	John Hidahl
John Hidahl	Greg Durante
Greg Durante	Jim Hartley
John Hidahl	Greg Durante



Department Personnel

ADMINISTRATIVE STAFF

David Roberts, Fire Chief
Tom Keating, Deputy Chief Administration
Mike Lilienthal, Deputy Chief Operations
Antonio Moreno, Battalion Chief
David Brady, Battalion Chief
John Johnston, Battalion Chief
Russell Hasemeier, Battalion Chief
Jessica Braddock, Director of Finance
Marshall Cox, Fire Marshal
Dan Skubal, Fire Prevention Specialist
Stephanie Parrish, Fire Inspector I
Kristin Moreno-Cramer, Administrative Assistant (part-time)
Megan Selling, Administrative Assistant
Christina Burroughs, Administrative Assistant
Shannon Merlo, Office Assistant*
Shannon Wright, Administrative Assistant (part-time)
Tim Kerwood, Operations Support Technician



CAPTAIN/PARAMEDIC

Ali, Mark
Anselmo, Tom
Beckett, Matthew
Bresnahan, Brian*
Cowles, Benjamin
Eckhardt, Mathew
Ferlini, Hank
Hathaway, Ryan
Karnow, Robert
Landry, Christopher
Merino, David (Captain/EMT)
Nelson, Daniel
Owens, Kasey
Storz, Chris (Captain/EMT)
Warren, Brenton
Zellhoefer, Jon

ENGINEER/PARAMEDIC

Baldwin, Jacob
Belleci, Matthew
Bichel, Todd
Burvant, Lantz
Ferry, Bryan
Gygax, Michael
Hemstalk, Dale
LeBlanc, Michael
MacKenzie, Michael
Mason, LisaMarie
Smith, Jason
Sommercamp, James
Ward, Dave
Wesson, Phillip
Wilkey, Brian

FIREFIGHTER/PARAMEDIC II

Austerman, Robert
Bennett, Ryan
Bohanan, Lucas
Cummins, Jeffrey
Gregory, Adam
Leduc, Brian
Lovinger, Michael
Lowe, Brian
MacKenzie, Robyn
Minnich, Stacy
Morgan, Murray
Stiern, Carmen
VanDalen, John
Ward, Sean
Zarback, Thomas

FIREFIGHTER/PARAMEDIC I

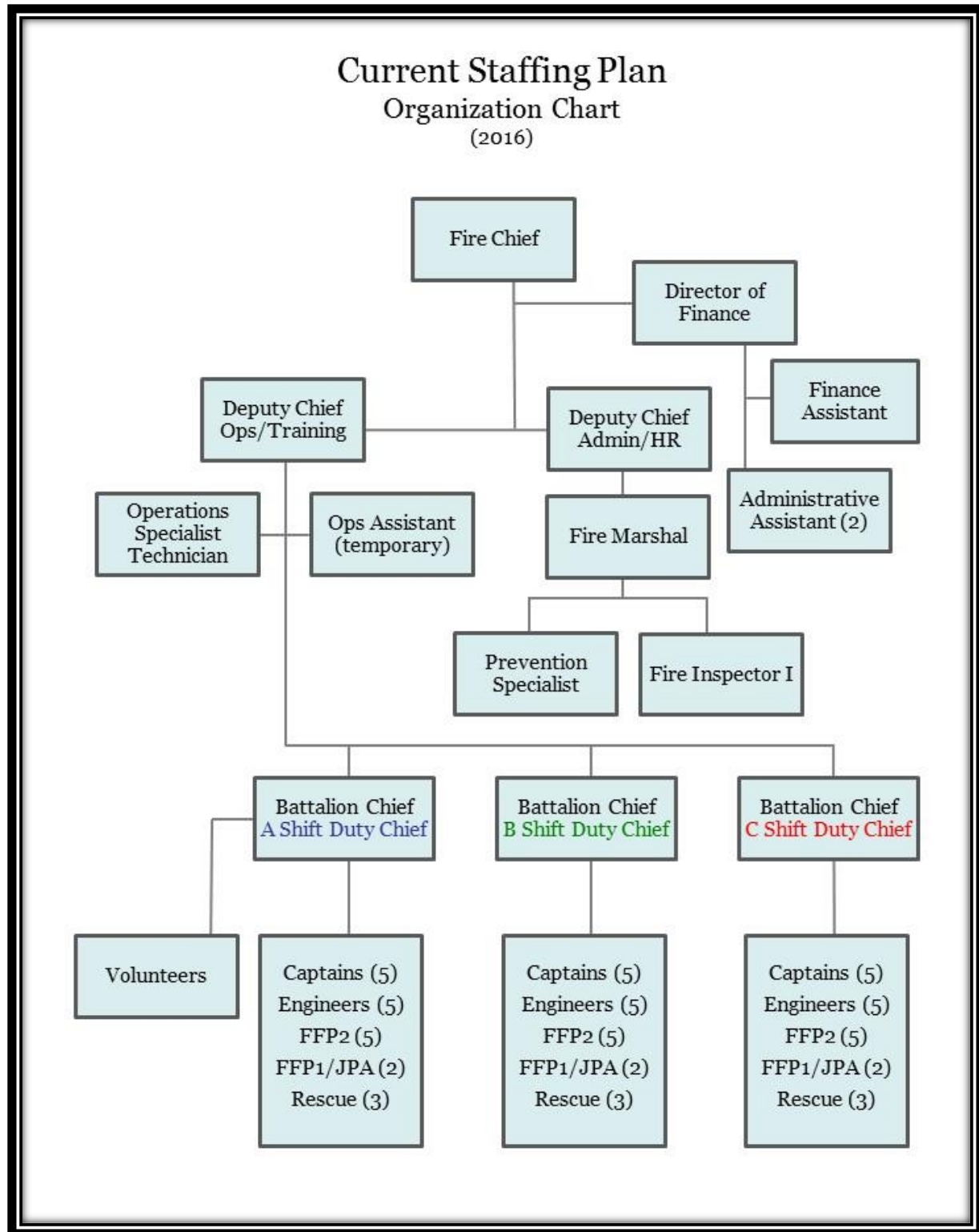
Gove, Steven
Johnson, Justin
Lee, James*
Lorence, Don
Schlange, Kevin
Sickenberger, Christopher
Tiffany, Adam

FIREFIGHTER

Cope, David

*Personnel who departed EDHFD in 2016 (see Promotions & Retirements section for details).

Department Organization Chart



Organizational Changes

New Hires

Firefighter/Paramedic I

Kevin Schlange
Adam Tiffany
Christopher Sickenberger
Steven Gove
Justin Johnson

Administrative Assistant

Shannon Wright

Promotions

Promoted to Battalion Chief

Russell Hasemeier

Promoted to Captain

Mathew Eckhardt
Christopher Landry

Promoted to Engineer

Brian Wilkey
Jason Smith
LisaMarie Mason
Jacob Baldwin
Todd Bichel
Dale Hemstalk

Promoted to Firefighter/Paramedic II

Ryan Bennett
John VanDalen
Lucas Bohanan
Adam Gregory

Retirements



Brian Bresnahan
Captain/Paramedic
18 years of service



Michael Roppolo
Volunteer Lieutenant
23 years of service

Volunteer Personnel

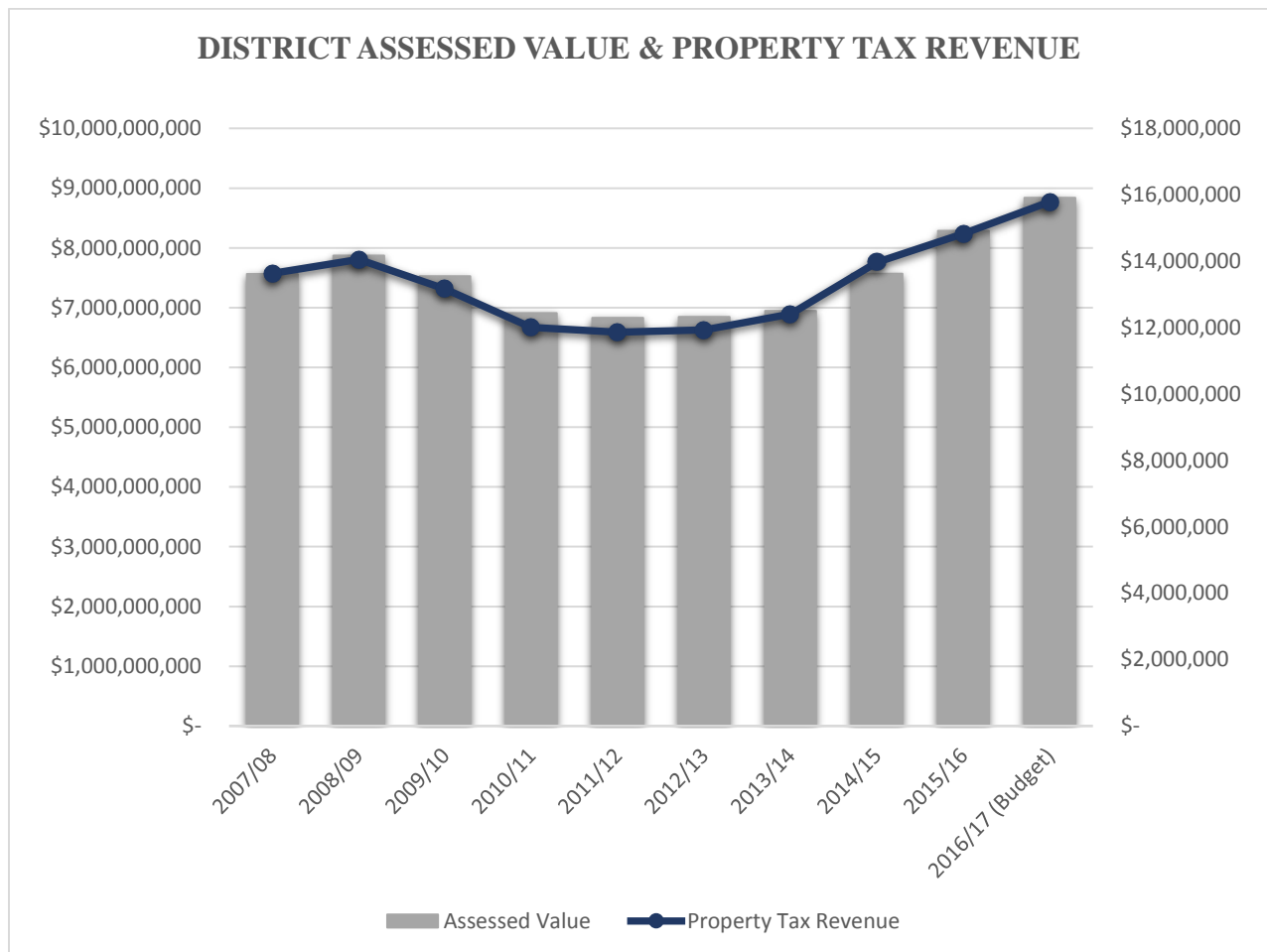
<u>NAME</u>		<u>TITLE</u>	<u>HIRED YEAR</u>
Roppolo*	Michael	Lieutenant	1994
Thalhamer*	Todd	Lieutenant	1998
Vail*	Scott	Firefighter	2001
Boeker	Bobby	Engineer	2004
Phillips*	Raymond	Firefighter	2009
Polson*	John	Firefighter	2009
Roberts*	Eric	Firefighter	2011
Stephens	Kelly	Firefighter	2011
Verseput*	Justin	Firefighter	2012
Hail*	William	Firefighter	2014
Montalvo*	Joseph	Firefighter	2014
Murray	Logan	Firefighter	2014
Murray	Marc	Firefighter	2014
Neu	Johannes	Firefighter	2014
Alaimo*	Brett	Firefighter	2015
Avery	Tyler	Firefighter	2015
Bolognini	David	Firefighter	2015
Domashuk	Roman	Firefighter	2015
Hassler*	Michael	Firefighter	2105
Hustrei	Branden	Firefighter	2015
Spruitenburg	Travis	Firefighter	2015
Tarry	Nathan	Firefighter	2015
Tucker	Kyle	Firefighter	2015
Woo	Austin	Firefighter	2015

*Volunteers who departed EDHFD in 2016.

District Growth Summary

The District experienced significant growth in 2016. Property tax revenue, District assessed value, and development fees all increased from 2015. Highlights are as follows:

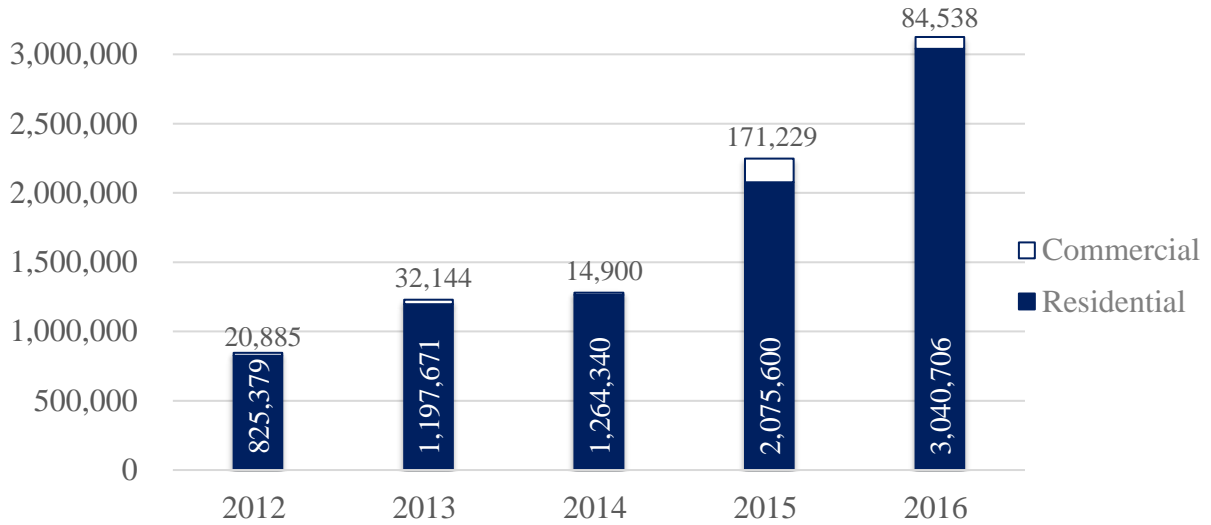
- ❖ The assessed value for the District increased 6.7% in 2016/17. This is the fifth consecutive year the District has had an increase in assessed value. The District assessed value has increased an average of 5.4% per year over the past 5 years and 2.8% per year over the past 10 years.
- ❖ The District's property tax revenue, as projected by the County, is expected to increase by approximately 6.9% for the 2016/17 fiscal year. Property tax revenue has increased an average of 6% per year over the past 5 years and 2.4% per year over the past 10 years.



- ❖ Permits were issued in 2016 for commercial development totaling 84,538 square feet, a decrease of 51% from 2015. Residential Development has increased by 46% from 2015.

RESIDENTIAL & COMMERCIAL CONSTRUCTION

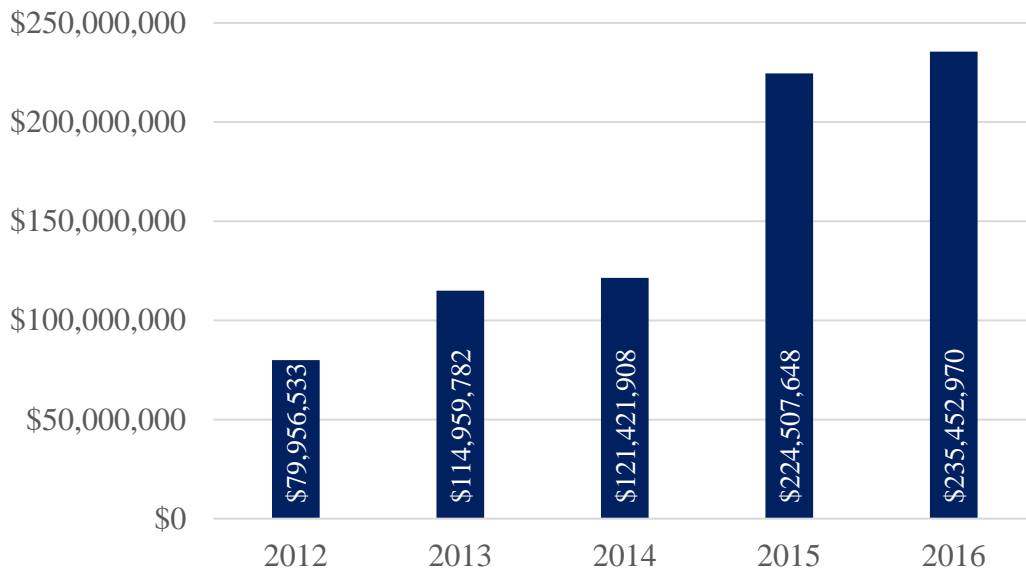
Total New Square footage (fees paid/permits issued)



*Note: Residential Development includes dwellings, garages, accessory buildings, decks, etc.

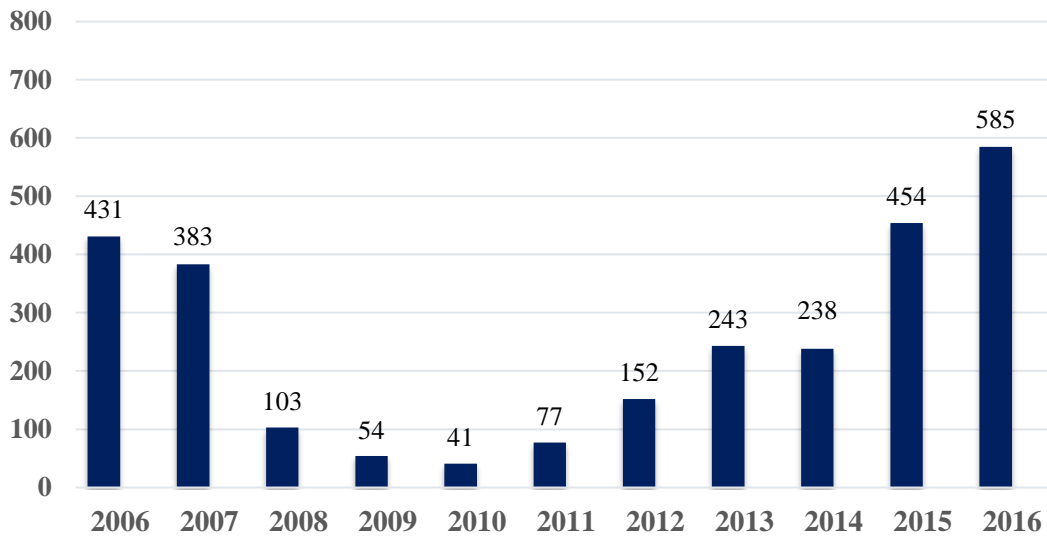
RESIDENTIAL & COMMERCIAL DEVELOPMENT

(Assessed Value added)

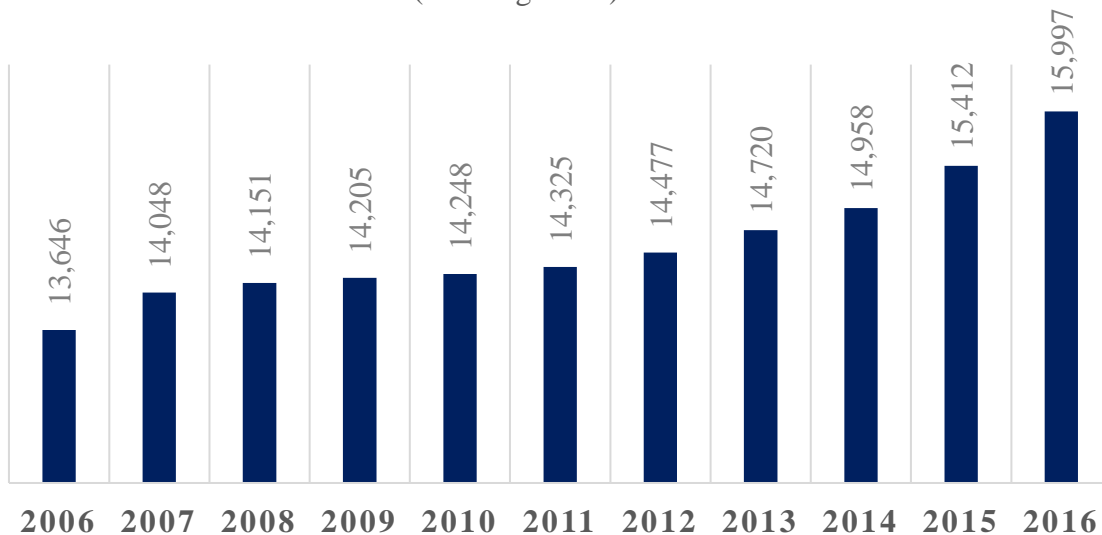


- ❖ New home development increased by approximately 29% in the District in 2016. There were 585 new homes constructed during the year. This is an average of 334 homes constructed per year over the past 5 years and 275 per year over the past 10 years. The District had a total of 15,997 homes at the end of 2016.

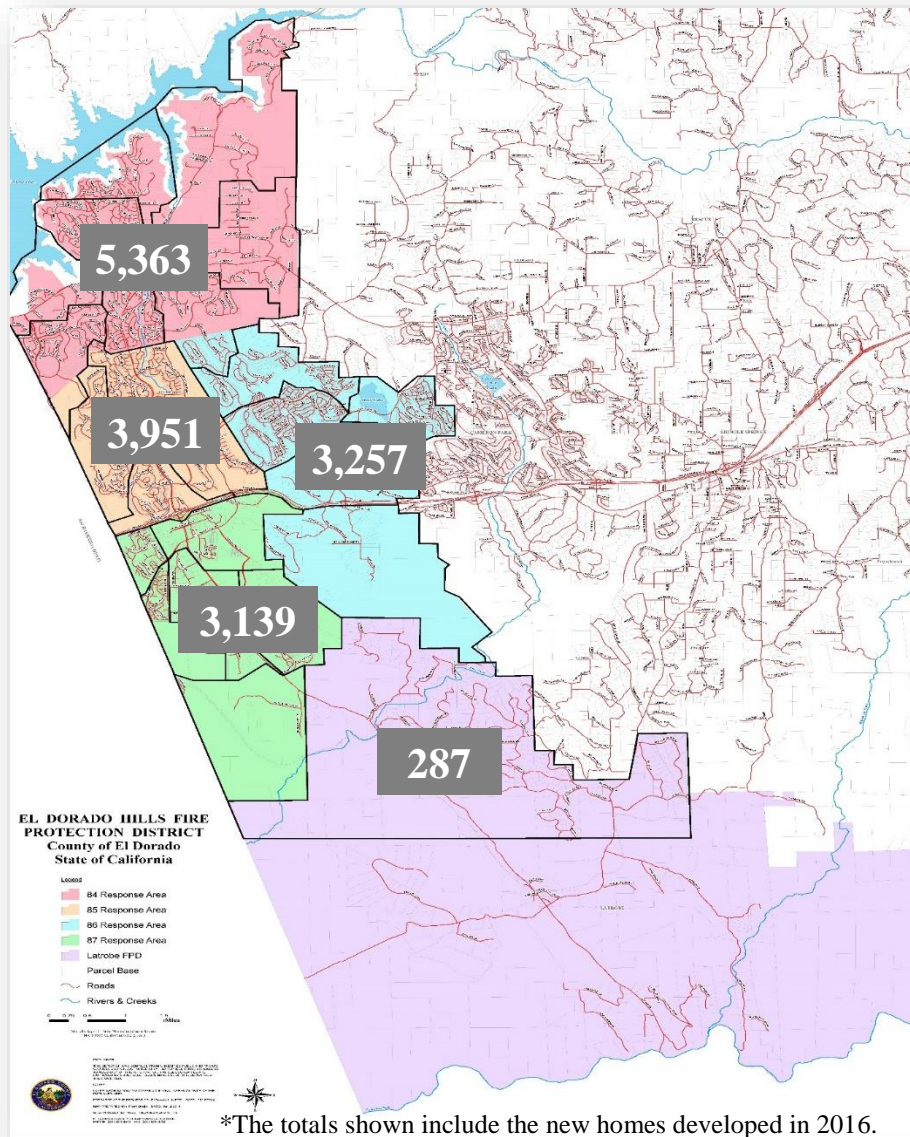
HOME CONSTRUCTED PER YEAR



RESIDENTIAL GROWTH (Housing Units)



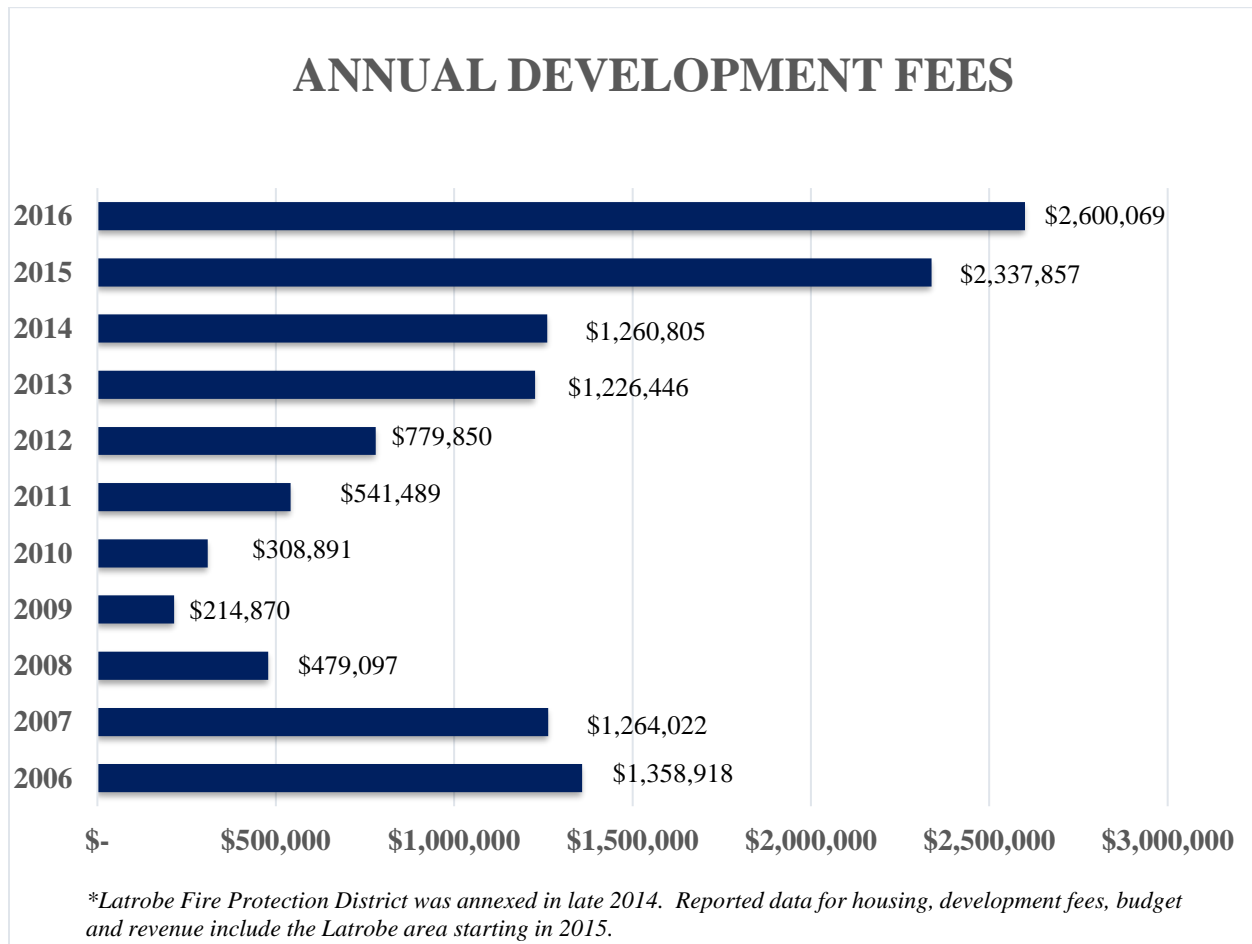
2016 TOTAL HOMES BY RESPONSE AREA



NEW HOMES CONSTRUCTED IN 2016

Station 84	93
Station 85	9
Station 86	67
Station 87	413
Station 91	3
Total New Homes	585

- ❖ The District billed a total of \$2,600,069 in development fee revenue during the 2016 calendar year, a substantial increase from \$2,337,857 in 2015.



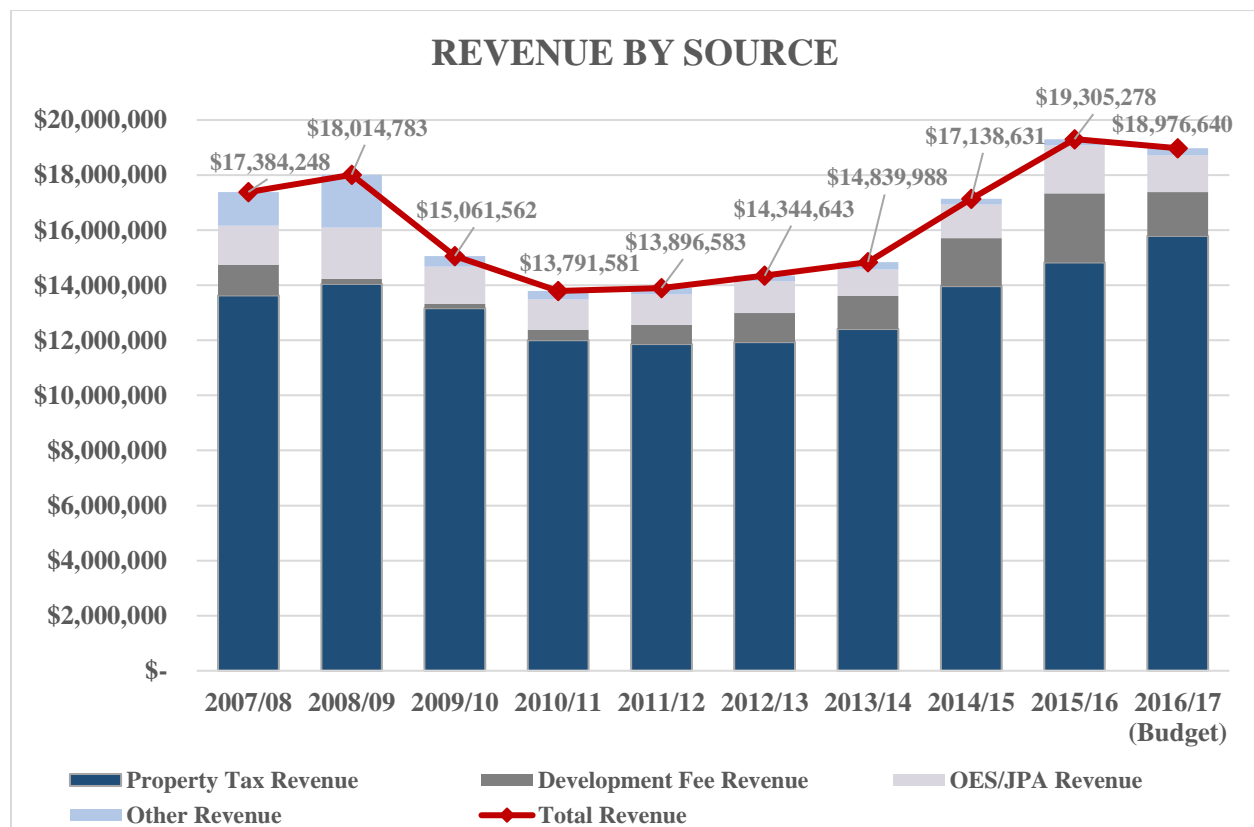
In summary, the El Dorado Hills Fire District continues to grow steadily and has fully recovered from the economic downturn of 2009. The assessed value of the District is at an all-time high and continues to grow. Development is on the rise and this trend is likely to continue into the near future. The Department remains proactive in meeting the ongoing challenges it faces to manage the growth and development needs in our community.

District Financial Summary

The District maintains a healthy financial position by budgeting prudently and adjusting spending when needed. The District adopted a new Reserve Policy in 2016 in an effort to work toward its long-term financial goals. A new Investment Policy was also adopted to encourage the maximization of returns on fund balances. Below is a summary of the 10-year historical trends in Revenue, Expenses and Reserve Balances.

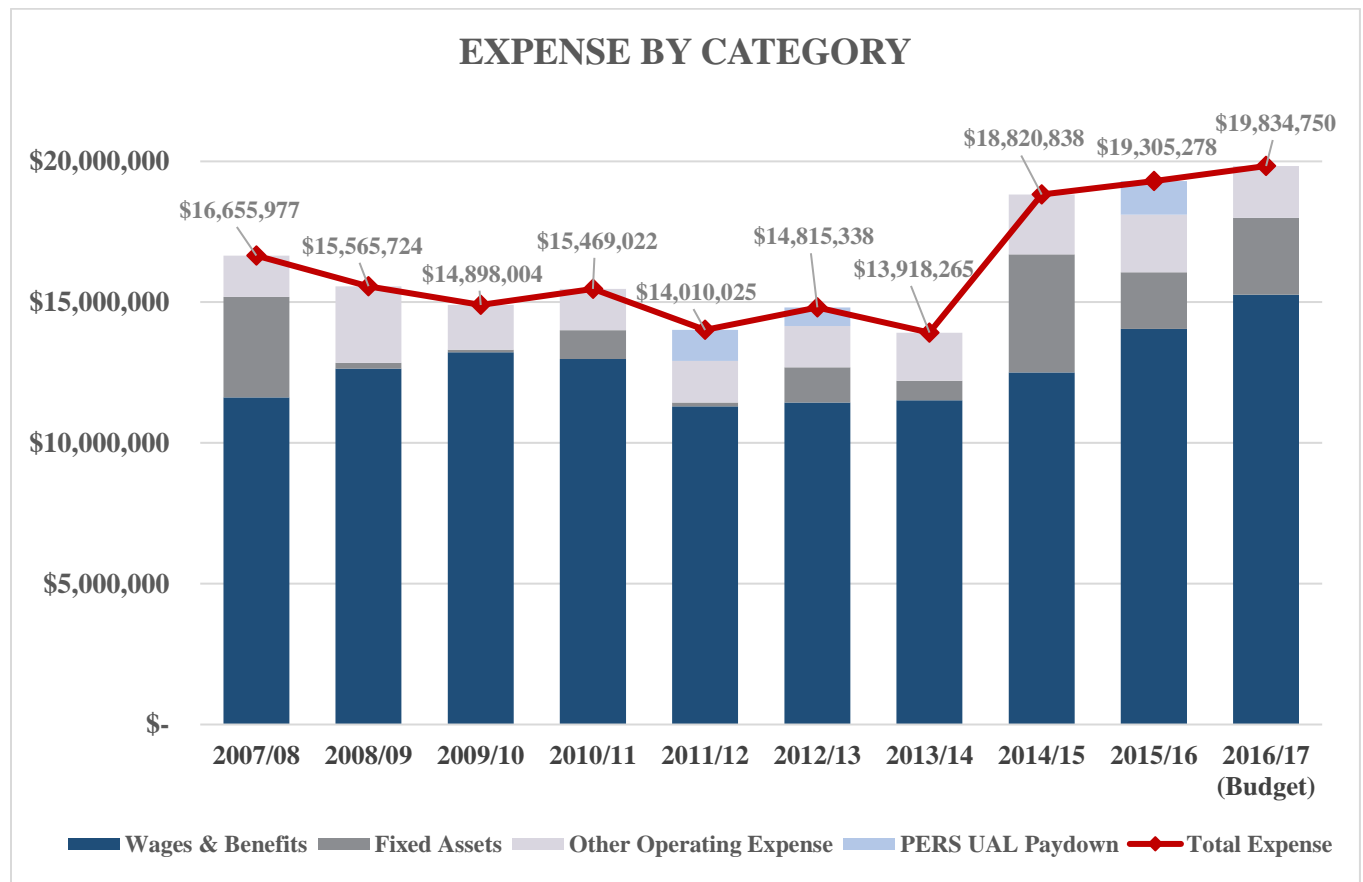
REVENUE

Total revenue has steadily increased year over year since its 10-year low in fiscal year 2010/11. The District's primary source of revenue is property tax revenue, which is projected to make up approximately 83% of total revenue in 2016/17. A budgeted increase in property tax revenue offset by a decrease in development fees in 2016/17 results in an overall slight decrease in total revenue for the fiscal year. OES and JPA revenue primarily consist of reimbursements for actual costs incurred and have remained relatively consistent over the years. Other revenue is mostly made up of grants and interest income, both of which have significantly declined over the past 10 years.



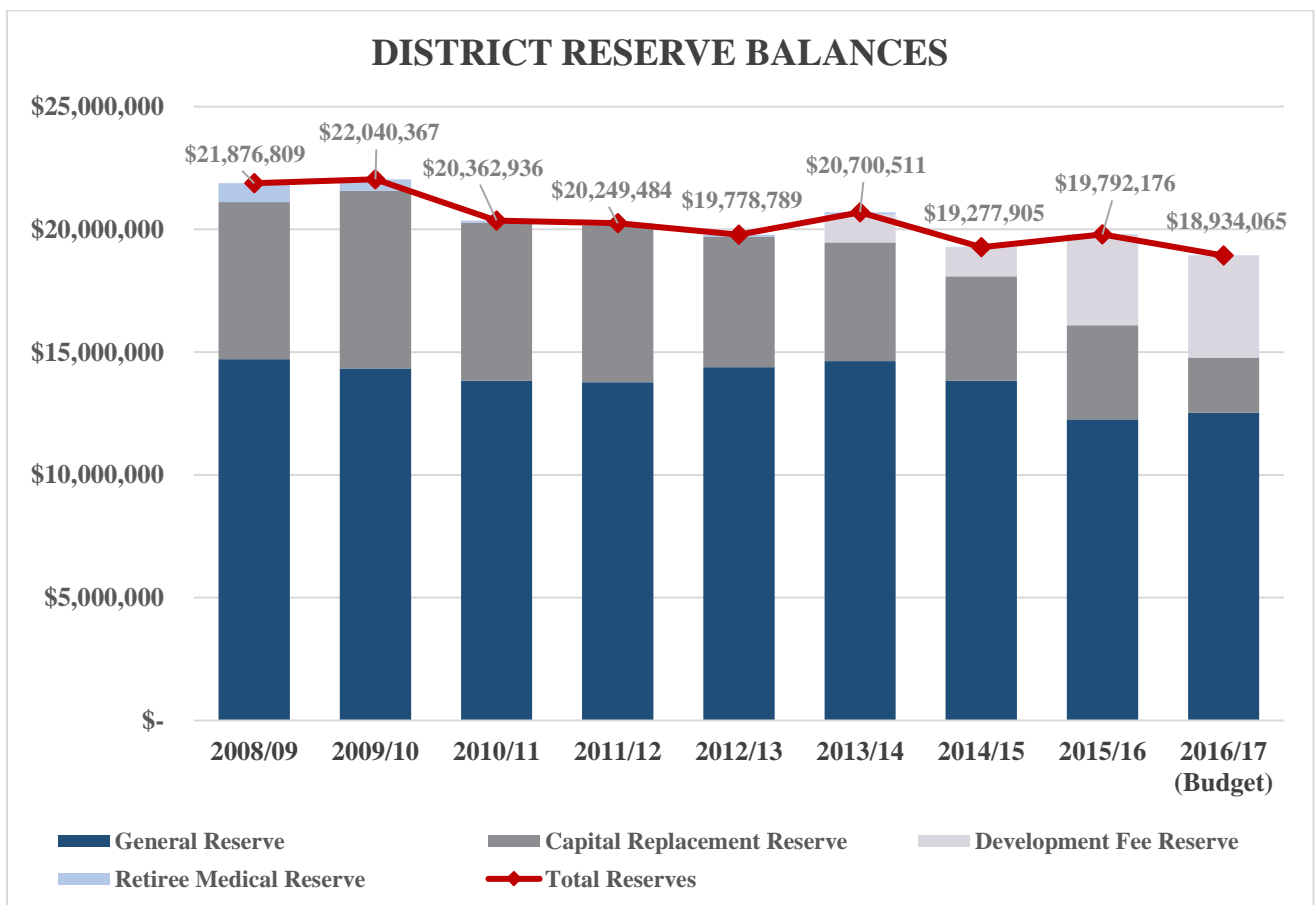
EXPENSE

The District prides itself on maintaining a tight control over expenses and on having the ability to adjust and reduce spending when needed. Accordingly, the 10-year trend for total expense shows fluctuations year over year that are fairly consistent with the increases and decreases in total revenue. During the years of declining revenue due to the economic downturn, the District's investment in capital assets was significantly reduced. Staffing adjustments were also made during this time, which is clearly shown in the Wages & Benefits cost trend. Other Operating Expenses consist primarily of insurance, maintenance and professional services. These costs fluctuate based on major maintenance projects or special projects requiring consulting services in any given fiscal year. There was a significant increase in total expense in 2014/15 from prior years. This is primarily due to the Station 84 rebuild project. The increase in expense levels in 2015/16 is due to the completion of Station 84 as well as a budgeted lump sum payment to PERS for \$1.2M. The increase in 2016/17 is due to a full year impact of the increase in staffing for Station 91 as well as several budgeted capital projects, including the architectural design of a new training facility and rebuild of Station 91.



RESERVE BALANCES

The District has historically maintained healthy reserve balances, with the overall goal of keeping a minimum of one year's operating expenses on hand in the General Reserve Fund. The 10-year historical trend shows reserve balances at a peak in 2009/10 with \$22M. From 2010/11 to 2013/14, the total reserve balance held steady at about \$20M. In 2014/15, total reserves started to decline as a result of the Station 84 rebuild project, which required use of both development fee and general reserve fund balances. Total reserve balances are expected to decline further in 2016/17 due to significant budgeted capital expenditures that exceed the budgeted operating margin.



Strategic Plan

Originally adopted by the El Dorado Hills Fire Department Board of Directors on April 18, 2013, the community driven five-year Strategic Plan is a living document that is constantly under evaluation and modification to ensure that our collective efforts remain focused on our mission of providing exceptional service to our internal and external customers.

After an extensive process, the original Strategic Plan contained six Strategic Initiatives that were determined by the team to be service gaps or areas for improvement. With the service gaps in mind, Goals and Objectives were identified for each which culminated in these six original goals:

1. Community Relations – **Completed**
2. Workforce – **Completed**
3. Training Program
4. Emergency Communications
5. Inter-Agency Relationships – **Completed**
6. International Accreditation



Each year, the Strategic Planning Core Team evaluates the progress of each Goal and recommends new Goals to ensure we remain focused on our target of continuous improvement.

During the 2015 update, the team recommended the addition of two goals along with their related objectives. These new goals are strategically important for our Department's future and will help us to keep our focus on the target of exceptional customer service. The two new goals are:

1. Patient Transport
2. Volunteer Program

For 2016, progress was slowed by other major priorities that arose for our organization. No additional goals were added and no goals were completed, but we were still able to complete five more of the original objectives which kept us moving in the right direction.

In 2017, the team will reconvene to discuss the Strategic Plan. Depending on Community and Department priorities and challenges, the plan will be modified so that we can remain focused on our target of providing world class service.

With the ever-increasing demand for service and the continued financial pressures of rising costs, your Fire Department is working collaboratively to adjust. Gone are the days of being reactive to the external environment and economic forces that surround us. This Strategic Plan is our roadmap that guides us to our vision of the future. To view the most recent Strategic Plan document, please visit our Department website at www.edhfire.com under [Department Information](#).



Calls for Service

Calls for Service

The El Dorado Hills Fire Department responds to all incidents including medical emergencies, fires, hazardous materials, technical rescues and public assistance. We continue to be an active partner in the “closest resource” response model in El Dorado County. We also provide automatic aid/mutual aid on a reciprocal agreement with our neighboring counties.

3,595 CALLS FOR SERVICE

Over the years, the population of our service area has increased and so has the request for service. In the year 2016, the El Dorado Hills Fire Department responded to a total of 3,595 calls for service. This is an increase of 17% from 2015.

\$8,839,562,044 ASSESSED VALUE PROTECTED

The Department protects \$8.8 billion dollars in assessed land and structure value, which is the highest value in all of El Dorado County. In 2016, the Department responded to 135 fire incidents that resulted in a dollar loss of \$708,750 and a dollar saved of \$12,507,150 which equates to a total ***percentage saved of 94.64%***. This savings can be attributed to the Department’s high level of training and commitment to provide exceptional levels of service.

45,000 ESTIMATED POPULATION PROTECTED DAILY

Through continued evaluation of our response plan, utilization of resources, and use of the latest technology, the men and women of the El Dorado Hills Fire Department will continue to serve the community with integrity and excellence.



Emergency Response Detail Analysis

FIRE INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
100	Fire, other	8
111, 123	Building fires	17
112	Fire in a structure other than a building	1
113	Cooking fires	8
114,115, 116, 118, 120	Fires other than building or transportation	5
121	Mobile home used as a fixed residence	0
131	Passenger vehicle fire	20
122, 130, 132, 133, 134, 135, 136, 137,138	Transportation fires other than vehicles	5
140, 141, 142, 143	All vegetation fires	53
150, 151, 152, 153, 154, 155	Rubbish and dumpster fires	10
160, 161, 162, 163, 164, 170, 171, 172,173	Other outside fires	8

TOTAL FIRE INCIDENTS 135

OVERPRESSURE, RUPTURE & EXPLOSION INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
200, 210, 211, 220, 221, 223, 231	Steam, air, gas, or chemical rupture	1
240, 241, 243	Fireworks or bomb explosion (no fire)	0
251	Excessive heat, scorch with no ignition	1

TOTAL OVERPRESSURE, RUPTURE & EXPLOSION 2

EMS & RESCUE INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
300, 311, 320	Rescue, EMS incident, other	1
321, 321G	EMS Call, excluding vehicle accident	1230
321T	Trauma	238
321C	Cardiac	215
321R	Respiratory	123
321X	Transfers	211
322, 323, 324	Motor vehicle accidents	240
331	Lock in	1
350	Extrication, rescue, other	1
352	Extrication of victims from vehicle	2
357	Extrication from machine	0
342, 360, 361, 363, 365	Water rescues	1
371	Electrocution	0
321N	EMS call, cancelled at scene	65
381	EMS standby	2

TOTAL EMS & RESCUE INCIDENTS 2330

HAZARDOUS CONDITION (No Fire)		
Incident Report System Codes	Category Description	# of Incidents
400	Other	3
410, 411, 412, 413	Flammable liquids and gas spills	12
420, 421, 422, 423	Toxic and chemical spills	2
424	Carbon monoxide calls	0
440, 441, 442, 443, 444, 445	Electrical hazards	18
451	Biological hazards	0
460, 461, 462, 463, 471, 480, 481, 482	Building/vehicle and other hazards	6

TOTAL HAZARDOUS CONDITIONS 41

SERVICE CALLS		
Incident Report System Codes	Category Description	# of Incidents
500	Service calls	15
510, 511, 512	Distress, lock-outs, jewelry remove	63
520, 521, 522	Water incidents	15
531	Smoke removal	9
540, 541, 542	Animal problems	234
550, 553, 554	Public assists	142
551, 552	Law assists	5
555, 561, 571	Elevator, unauthorized burning, standby	134
TOTAL SERVICE CALLS		617

GOOD INTENT INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
600	Other	7
611, 621, 622	Cancelled enroute, wrong location	312
631, 632, 641, 650, 651, 652, 653	Fire, smoke, odor	19
661	EMS (PT self-transport)	3
671, 672	Haz-mat, biological investigation	2
TOTAL GOOD INTENT INCIDENTS		343

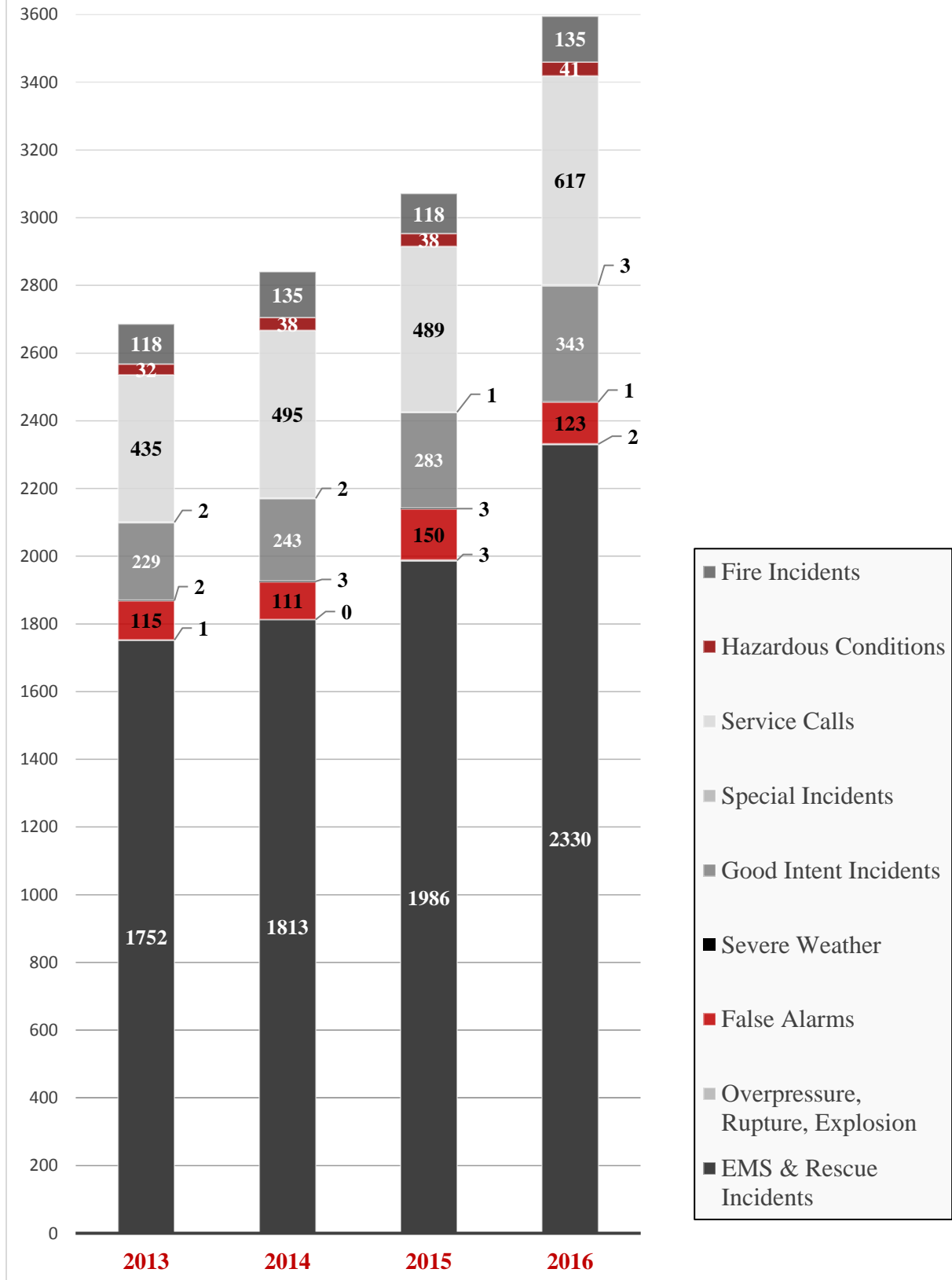
FALSE ALARMS		
Incident Report System Codes	Category Description	# of Incidents
700	Other	39
730, 731, 732, 733, 734, 735, 736, 740, 743, 744, 745, 746	System/device malfunction	80
741, 742, 751	Sprinkler/extinguisher system activation	4
TOTAL FALSE ALARMS		150

SEVERE WEATHER		
800	Other	0
812	Flood	0
813	Wind	1
TOTAL SEVERE WEATHER		1

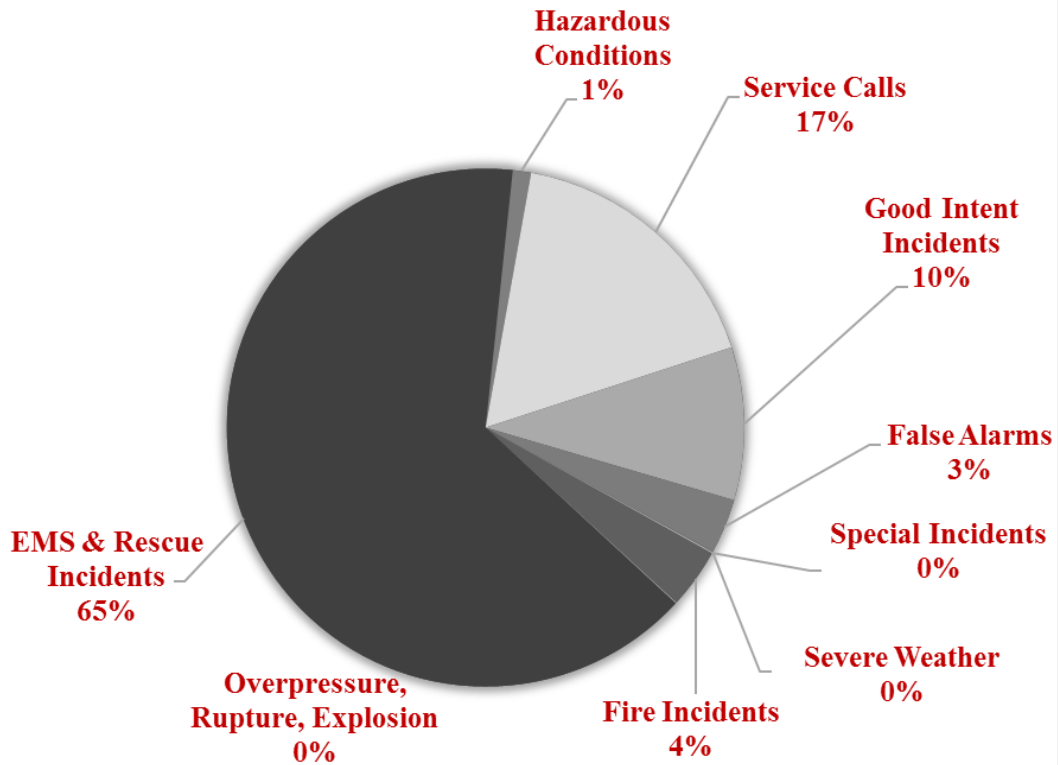
SPECIAL INCIDENT TYPES		
Incident Report System Codes	Category Description	# of Incidents
900	Special type of incident, other	3
SPECIAL INCIDENT TYPES		3

TOTAL INCIDENTS: 3,595

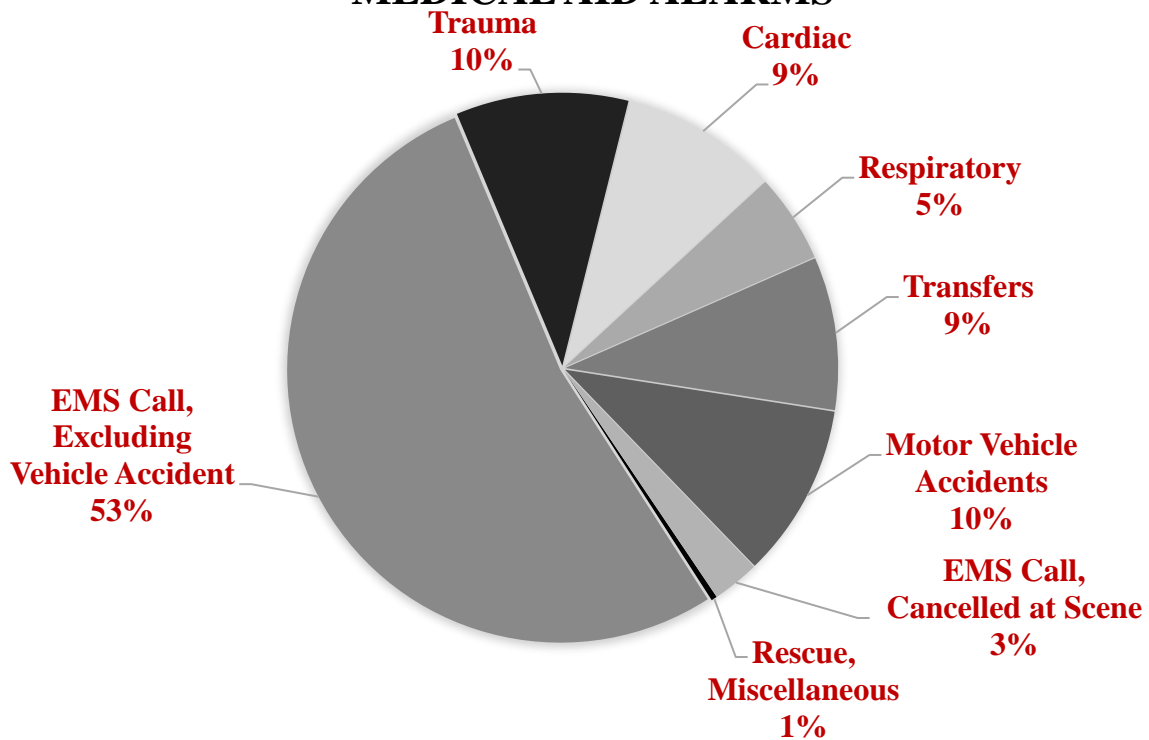
TYPE OF INCIDENTS BY YEAR

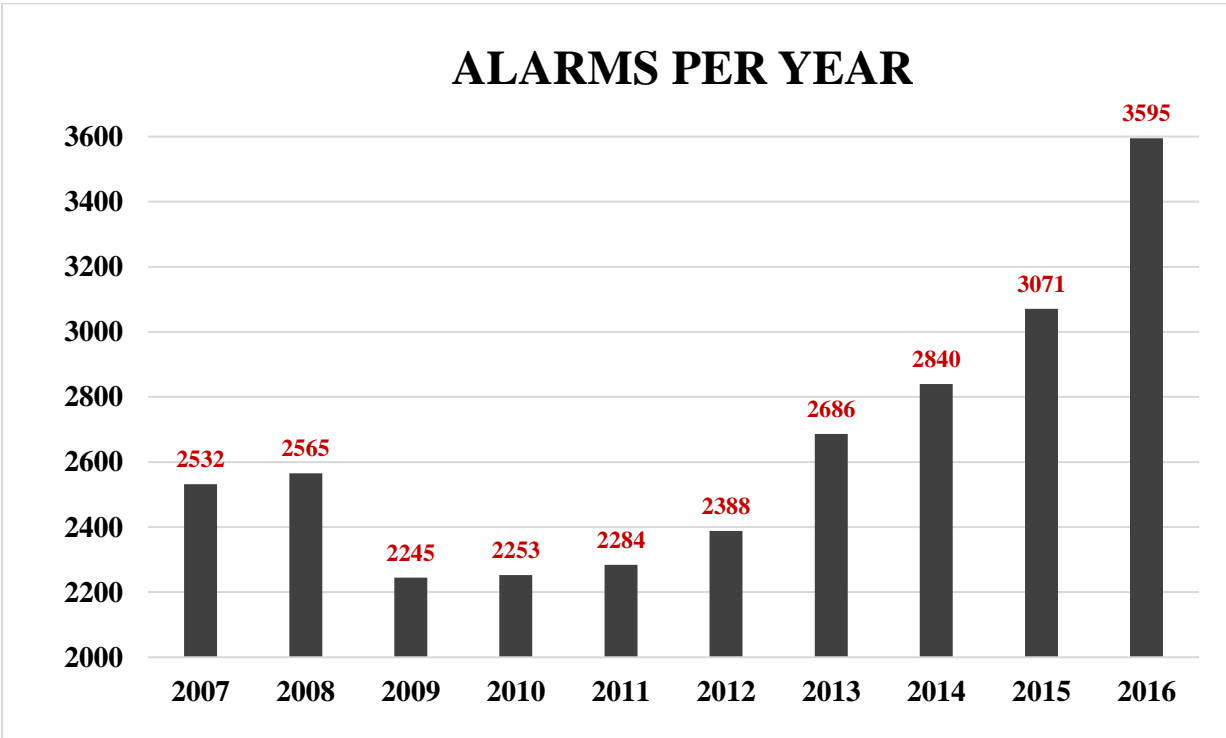
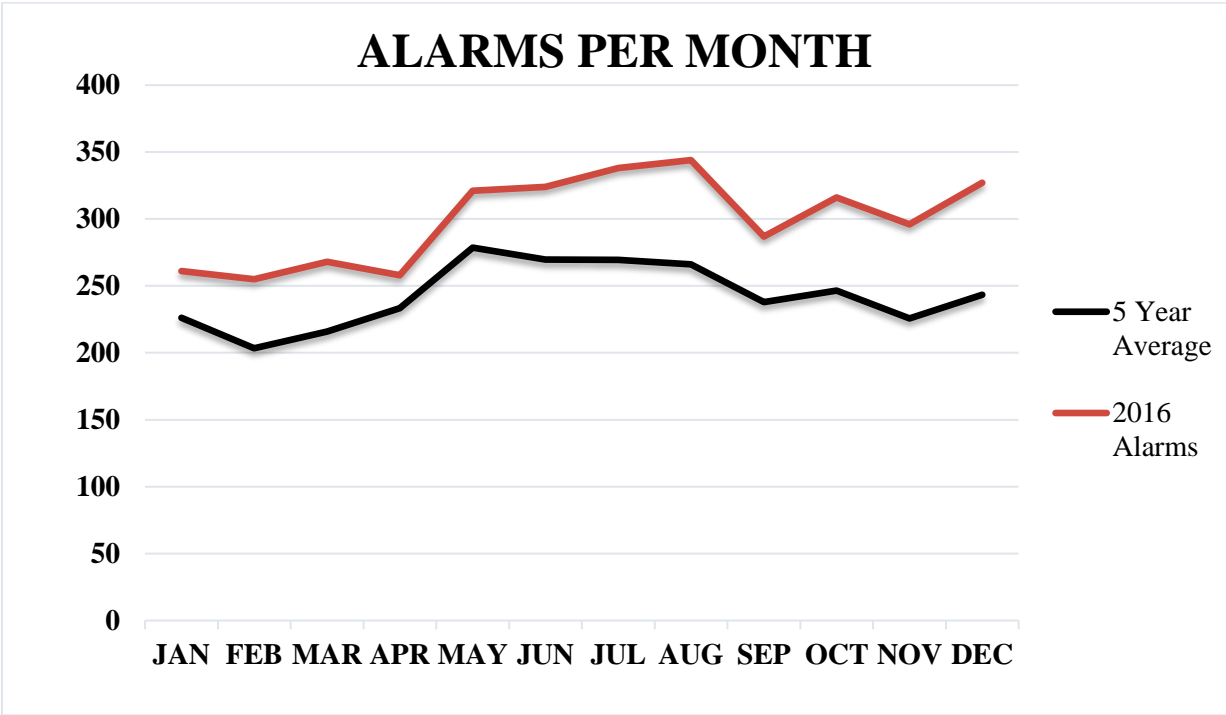


PERCENTAGE OF ALARMS

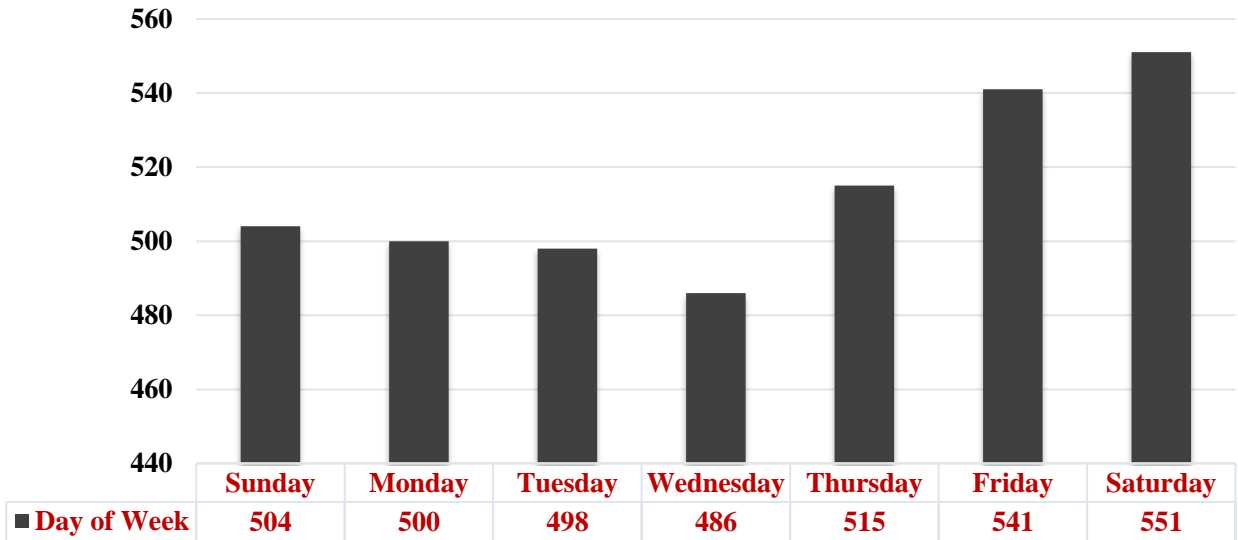


MEDICAL AID ALARMS

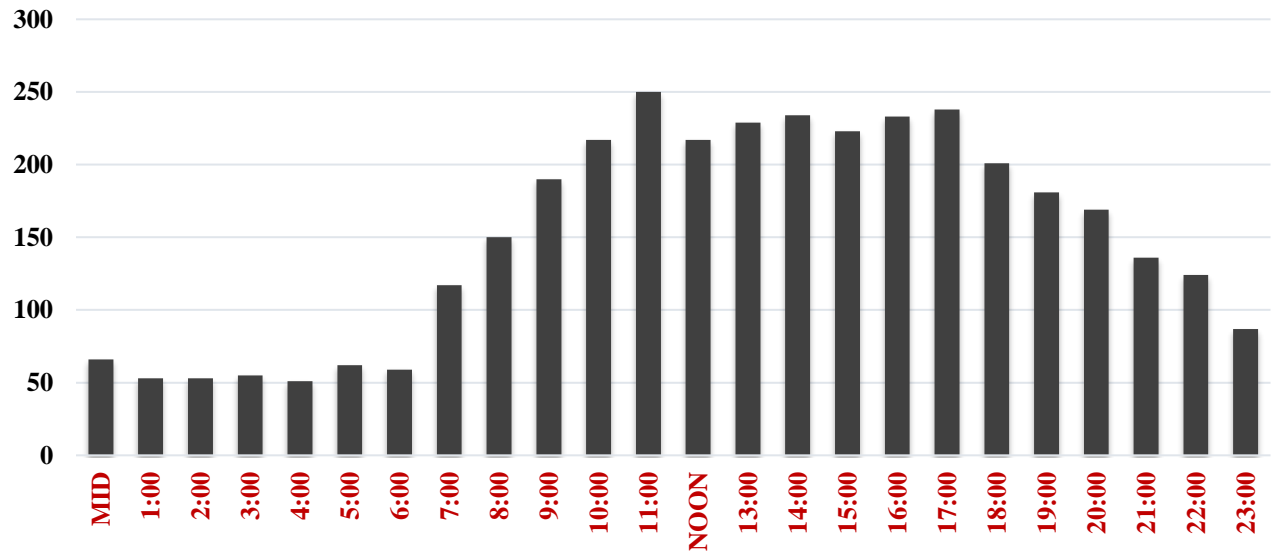




ALARMS PER DAY



RESPONSES BY TIME OF DAY



VOLUNTEER ALARM RESPONSES

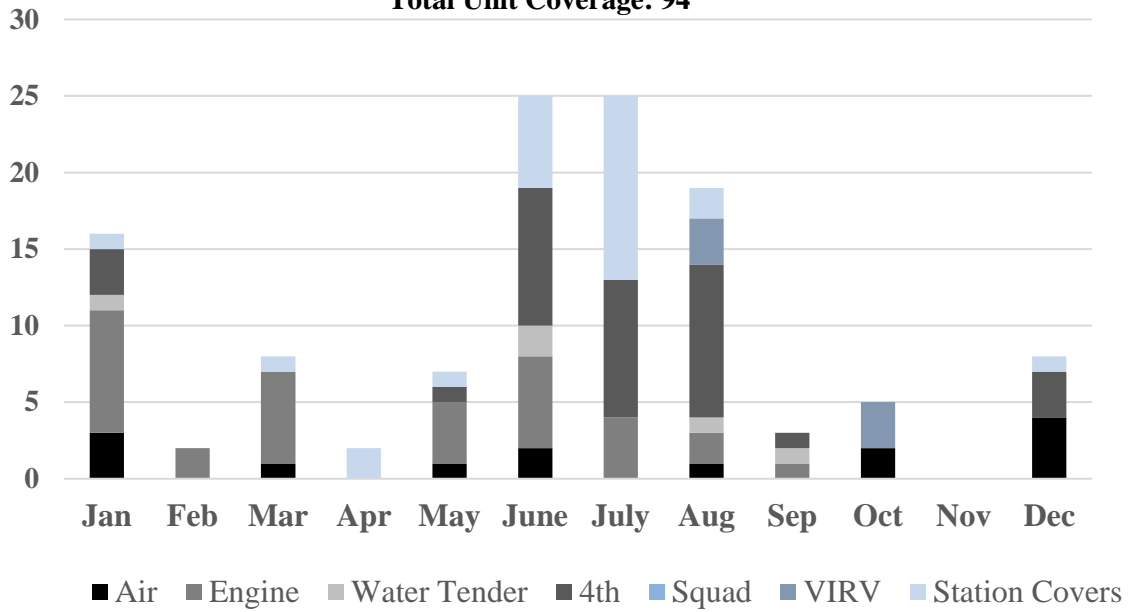
Last Name	First Name	Calls
Alaimo*	Brett	1
Avery	Tyler	11
Boeker	Bobby	16
Bognini	David	4
Domashuk*	Roman	6
Hail*	William	0
Hassler*	Michael	0
Hustrei	Branden	6
Montalvo*	Joseph	0
Murray +	Marc	0
Murray	Logan	2
Neu	Johannes	2
Phillips*	Ray	0
Polson*	John	0
Roberts*	Eric	0
Roppolo*	Mike	46
Spruitenburg	Travis	6
Stephens	Kelly	1
Tarry	Nathan	47
Thalhamer*	Todd	1
Tucker	Kyle	31
Vail*	Scott	28
Verseput*	Justin	0
Woo	Austin	29
	Total	237

*No longer w/ Department

+ Water Tender Operator Only

VOLUNTEER UNIT COVERAGE

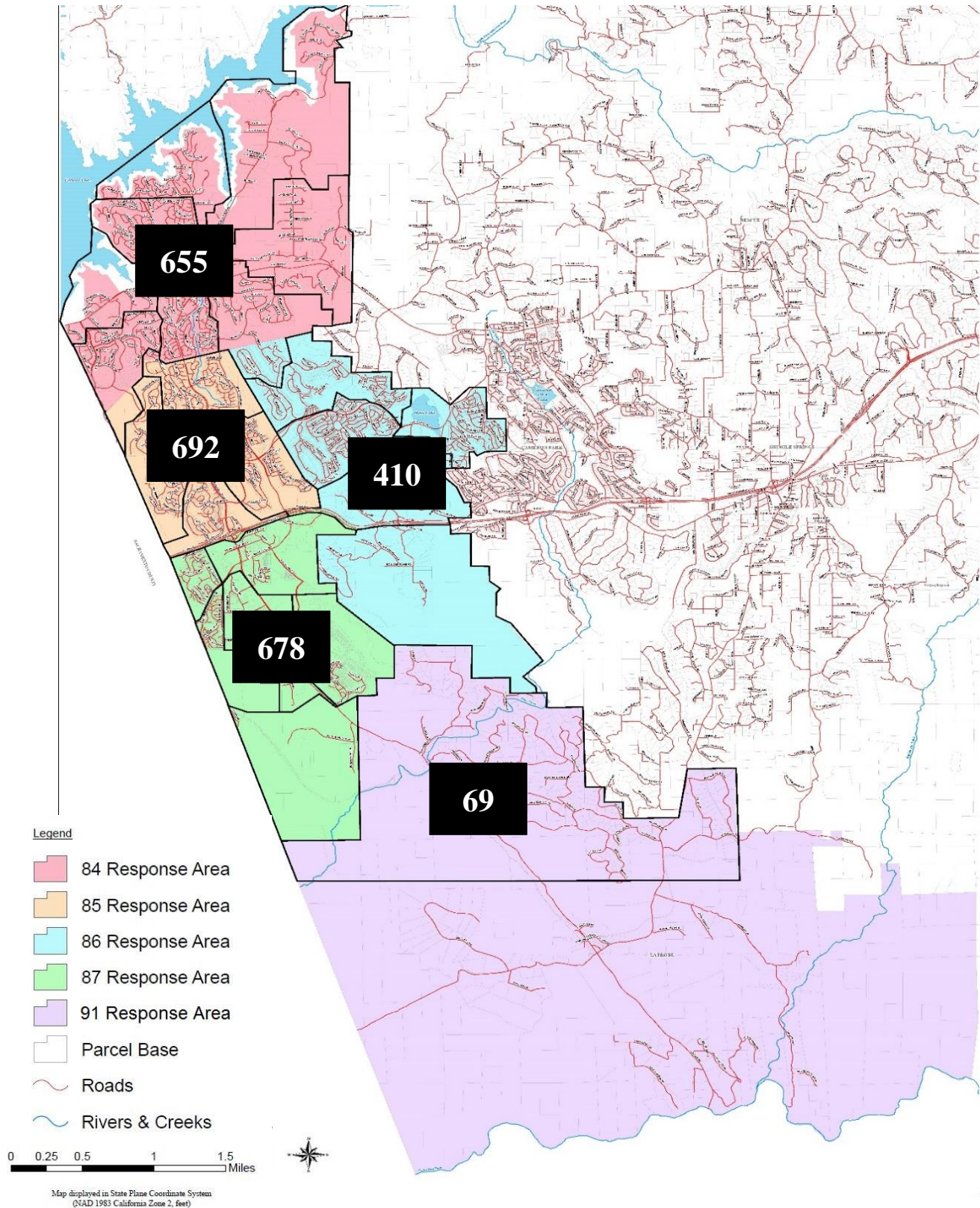
Total Unit Coverage: 94



In 2016, the Volunteer Personnel staffed units for incidents 94 times and there were 26 Station Covers (classified response without a qualified driver).



2016 INCIDENTS BY RESPONSE ZONE



Training & Emergency Services



Training & Emergency Services

The mission of the El Dorado Hills Fire Department Training Division is to provide the highest level of training for emergency and non-emergency services to the members of the Fire Department. This will ensure that our commitment to the community is met and our commitment to our personnel is fulfilled. This mission aligns with our Department mission statement: "We, the El Dorado Hills Fire Department, exist to serve and protect the Community through emergency management."

The Training Division has committed to maintaining a high skill level of Department personnel and is committed to meeting industry standards for training. For example, the ISO (Insurance Service Office) industry standard requires twenty hours of fire based training per month. This is accomplished through single engine company and multi-company drills encompassing everything from hose evolutions and vehicle extrication to wildland fire drills. The division is also focusing on continuous medical training for the crews so they are current on new concepts and techniques.

Training is generated and assigned by the Training/EMS Chief with the assistance of the Training Administrative Assistant. With oversight by the Shift Battalion Chiefs, it is the Captains' responsibility to complete the training with their crews. The Training Division provides a global training calendar for the year to give the crews an idea of the scheduled training to come. Each month, a detailed list with instructions is assigned with specific training objectives. This schedule ensures the division is meeting the industry standards for training while meeting the crews' personal training needs.

With the newly assigned personnel dedicated to the Training Division, crews are not just meeting their minimum standards for training, but are being trained at a higher level than they have been in years past.

2016 Training Highlights

- Swiftwater Rescue Program
- Rescue Systems 1 & 2 Courses
- Confined Space Rescue Course
- Fire Instructors (8 New Instructors)
- Residential Structure Fires
- Ventilation Training for Residential Homes
- Commercial Building Fires
- Forcible Entry through Doors
- Active Shooter Training Classes
- Vehicle Over the Side of the Road (LARRO)
- Multi-Causality Incidents (Trauma/EMS)
- Bi-monthly Volunteer Training Nights
- Recertification EMS Training Classes
- Probationary Firefighter Academy (5 New Hires)
- Annual Wildland Refresher RT130 Training along with Wildland Safety and Fitness
- Hazardous Materials Refresher
- Assisted in the "P.A.R.T.Y" Prevent Alcohol Related Trauma in Youth Program through Oak Ridge High School
- Target Hazard Tours for New Buildings for all shifts
- Monthly S.O.P. Evolution Training for all shifts
- Continual ICS/NIMS Refresher and Compliance Training
- Acquired Structure Training Burn

SAFETY PERSONNEL TRAINING HOURS

Last	First	Total Training Hrs.
Ali	Mark	395
Anselmo	Thomas	309.8
Austerman	Rob	518.8
Baldwin	Jacob	560.1
Bates*	Sean	17
Beckett	Matthew	193.7
Belleci	Matthew	450.7
Bennett	Ryan	330.7
Bichel	Todd	336.3
Bohanan	Lucas	374.5
Burvant	Lantz	283
Cope	David	183.4
Cowles	Benjamin	788.8
Cummins	Jeffrey	418.3
Eckhardt	Mathew	511
Ferlini	Hank	547.9
Ferry	Bryan	390.6
Gove	Steven	420.1
Gregory	Adam	337
Gygax	Michael	417.5
Hasemeier	Russell	310
Hathaway	Ryan	294.9
Hemstalk	Dale	450
Johnson	Justin	90.6
Johnston	John	238.5
Karnow	Robert	220.3
Landry	Christopher	361.8
LeBlanc	Michael	280.8
Leduc	Brian	375.6
Lee*	James	328.3
Lorence	Don	319.1
Lovinger	Michael	306.4
Lowe	Brian	320.1

Last	First	Total Training Hrs.
MacKenzie	Michael	317.9
MacKenzie	Robyn	345.6
Mason	LisaMarie	441
Merino	David	215.5
Minnich	Stacy	210.5
Moreno	Antonio	115.4
Morgan	Murray	419.7
Nelson	Daniel	541
Owens	Kasey	391.3
Schlange	Kevin	482.9
Sickenberger	Chris	392.1
Smith	Jason	372.6
Sommercamp	James	197.5
Stiern	Carmen	130.4
Storz	Chris	283.8
Tiffany	Adam	439.6
Vandalen	John	349.5
Ward	Dave	406
Ward	Sean	333.6
Warren	Brenton	354.5
Wesson	Phillip	269.3
Wilkey	Brian	708
Zarback	Thomas	315.3
Zellhoefer	Jon	472.8
Total Hours for Safety Only		20,186
Average Hours for Safety Only		354.1

*Fire Personnel who departed EDHFD in 2016
(Totals include all on-duty gym time)

ADMINISTRATIVE PERSONNEL TRAINING HOURS

Last	First	Total Training Hrs.
Braddock	Jessica	14.1
Brady	David	425.3
Bresnahan*	Brian	5
Burroughs	Christina	31.5
Cox	Marshall	141.8
Cramer	Kristin	22.3
Keating	Thomas	13.3
Kerwood	Tim	93
Lilienthal	Mike	238.3
Merlo*	Shannon	16
Parrish	Stephanie	75.3
Roberts	Dave	192.3
Selling	Megan	10.9
Skubal	Dan	187
Wright	Shannon	8.1
Total Admin Hours		1,474
Average Hours for Admin		98



VOLUNTEER TRAINING HOURS

Last	First	Total Drill Hrs.	Total Training Hrs.
Alaimo*	Brett	0.0	0.0
Avery	Tyler	6.0	56.5
Boeker	Bobby	9.0	56.0
Bolognini	David	3.0	63.0
Domashuk	Roman	8.0	40.8
Hail	William	0.0	8.2
Hassler*	Michael	0.0	0.0
Hustrei	Branden	11.8	61.0
Montalvo*	Joseph	0.0	0.0
Murray+	Marc	3.0	42.6
Murray	Logan	3.0	59.8
Neu	Johannes	12.5	58.0
Phillips*	Ray	1.5	2.0
Polson*	John	0.0	0.0
Roberts*	Eric	3.0	21.8
Roppolo*	Mike	12.0	74.8
Spruitenburg	Travis	6.0	38.3
Stephens	Kelly	8.0	47.8
Tarry	Nathan	18.5	83.7
Thalhamer*	Todd	0.0	9.0
Tucker	Kyle	16.5	197.0
Vail*	Scott	8.0	64.0
Verseput*	Justin	0.0	0.0
Woo	Austin	18.5	104.0
Total Hours		148.3	1088.3
Average		6.2	45.3

*No longer w/ Department

+ Water Tender Operator Only

Volunteer with the Most Training Hours

(Totals do not include Ride Along hours)

Explorer Program

The El Dorado Hills Fire Explorer program is an opportunity for local high school students to receive first-hand experience and training with professional El Dorado Hills Firefighters. The program's purpose is to expose young men and women to all aspects of the fire service, beginning with entry level interviews and moving into developing skills associated with the everyday tasks to which Firefighters are exposed.



The EDHFD Explorer program's inception began in 2013 under the vision of Firefighter Jeno Inzerillo. Firefighter Inzerillo saw the need for curious high school aged students to be exposed to the rigors and reality of a career in the fire service. Similar programs existed in other parts of the county, but nothing was established in El Dorado Hills. Beginning with bi-monthly meetings at Station 86, students began participating in an academy-like atmosphere with lectures and weekend drills.

Today, the Explorer program has grown into a weekly drill schedule where Explorers are training and exposed to much of the same tasks as the professional Firefighters of EDHFD. Drills are now held at all stations in the district, depending upon the topic and equipment needs. These drills are designed to be a progressive type of instruction where skills are developed and improved upon, exposing the Explorers to more and more strenuous tasks. Explorers now routinely put multiple skills together to perform not just singular tasks, but complex fire and rescue scenarios with multiple moving parts.

In addition to these weekly drills, Explorers are involved with community service projects including the Santa Run, Boys and Girls club events, Firefighters Burn Institute "Fill the Boot" drive, and other needs supported by EDHFD.

The Explorer program has opportunities for 20 students aged 14-18 from Folsom, Vista, Ponderosa and Oak Ridge High Schools and is currently run by a cadre of advisors consisting of seven professional El Dorado Hills Firefighters.



Honor Guard

This year marked the El Dorado Hills Fire Department Honor Guard's 12th year of service. It was another year of continuous training and events representing our Department. Every year we remember and honor important people that have served our community and others. A few of those events included:

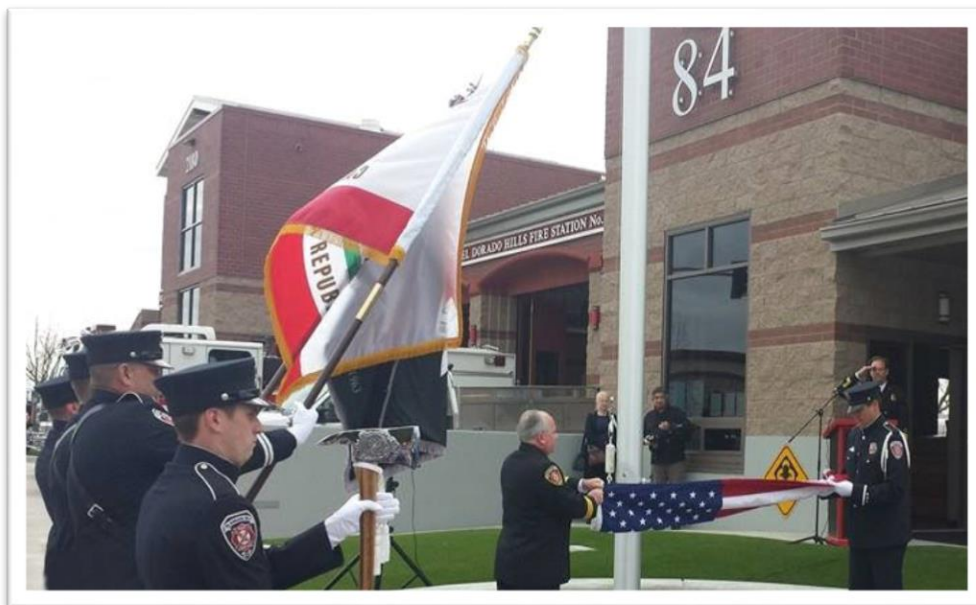
- Colors posting at Jeff Mitchell Memorial Baseball Field for the El Dorado Hills Little League Baseball opener
- Retired Rescue Fire Department Chief Knoop's Memorial Service
- Colors posting at the El Dorado Hills Senior Center for Veterans Day Honors

These events continue to represent our motto, "For Those Who Went Before". In 2016, Honor Guard Member Raymond Phillips left our guard after five years of selfless and voluntary service. He is missed as he was one of our most active members. With that, we welcome our newest member Don Lorence. We are looking forward to a full 2017 as we are already scheduling training and events.

Volunteer Lieutenant Michael Roppolo is retiring after 23 years of service with our Fire Department. His retirement ceremony will be in January 2017 and the Honor Guard is scheduled to post colors. We also are preparing for a tentative weeklong Honor Guard Camp for two of our members in 2017.

We thank the El Dorado Hills Fire Department and its members for continuing to support us in our mission of taking care of the fallen and honoring our colors.

Matt Beckett
Honor Guard Commander



Pipes & Drums



The El Dorado Hills Firefighters Pipes and Drums was formed in 2011 by 9 members of the El Dorado Hills Fire Department. The inception of the band was created out of a desire to honor the rich tradition of culture in the fire service. The tradition of bagpipes played at Fire and Police Department funerals in the United States goes back over one hundred and fifty years. When the Irish and Scottish immigrated to this country, they brought many of their traditions with them. One of these was the Great Highland Bagpipe, often played at Celtic weddings, funerals and ceilis (dances).

It wasn't until the Great Potato Famine and massive Irish immigration to the East Coast of the United States that the tradition of the bagpipes really took hold in the Fire Department. In the 1800's, Irish immigrants faced massive discrimination. Factories and shops had signs reading "NINA" - No Irish Need Apply. The only jobs they could get were the ones no one else wanted - jobs that were dirty, dangerous, or both - Firefighters and Police Officers. It was not an uncommon event to have several firefighters killed at a working fire. The Irish Firefighters' funerals were typical of all Irish funerals - the pipes were played. It was somehow okay for a hardened Firefighter to cry at the sound of bagpipes when his dignity would not let him weep for a fallen comrade.

Those who have attended a funeral where bagpipes were played know how haunting and mournful the sound of the pipes can be. The most famous song played at fire and police funerals is Amazing Grace. It wasn't too long before families and friends of non-Irish Firefighters began asking for the bagpipes to be played for fallen heroes. The bagpipes add a special air and dignity to this solemn occasion.

Today, the tradition is universal and not just for the Irish or Scottish. The bagpipes have become a distinguishing feature of a fallen hero's funeral. The El Dorado Hills Firefighters pipes have chosen a Celtic saying as our motto, "Ne Oublie", which translates "never forget". Our goals as a band are to honor those who have served first and foremost through funeral performances as well as retirements etc. We also perform for community events such as parades, youth sports, dedications, and holiday celebrations.

2016 was a busy year for the pipes and drums with retirement ceremonies, funerals, memorials, etc. and it marked the bands 5th year of performing. Each member practices a minimum of 480 hours per year to hone the craft of bagpiping or drumming with most practicing double that! EDHFFP&D also welcomed new member Ryan Hathaway to the band as a tenor drummer, and Firefighter Austerman is currently learning to play the pipes as well as the snare drum.

We look forward to another year of performing.

Ne Oublie,

Brian Wilkey, Band President EDHFFP&D





Fire Prevention and Safety

Artist: Ashley Chow
Overall Poster Contest Winner

Fire Prevention

The Fire Prevention Division has once again experienced a high demand for prevention services with an increase in plan reviews, permits, new construction, inspections, business license applications, tenant improvements, planned developments, and public education.

The Prevention Division includes Marshall Cox (Fire Marshal), Dan Skubal (Fire Prevention Specialist), and Stephanie Parrish (Fire Inspector) who has recently completed her Fire Inspector II task book and has been promoted to Fire Inspector II (effective 2017). She has been assigned new plan review and inspection duties and tasks that the new inspector level requires.

The Lakehills Fire Safe Council has continued its efforts in actively pursuing fuel reduction projects which include a shaded fuel break along Folsom Lake, completing a Community Wildfire Protection Plan, and becoming a FireWise Community. The work of the Lakehills Fire Safe Council and its dedicated leadership team this year deserves special acknowledgement.

The Fire Prevention Division has seen an overall steady increase in applications for building permits as shown below:

	<u>EDH 2015</u>	<u>EDH 2016</u>	<u>Latrobe 2015</u>	<u>Latrobe 2016</u>
Building Permits for Expanded Homes	28	51	5	2
Residential Homes	445	582	9	3
Commercial Structures	10	3	0	0
Replacement Buildings	7	14	1	0
Solar Arrays	6	16	0	1
Tenant Improvements	52	50	1	0
New Sq. Ft. Buildings added	1,934,738	2,904,114	25,095	16,878
TI / Remodel Sq. Ft. Added	100,655	103,215	1,000	0
Development Fees Collected	\$2,313,803	\$2,587,394	\$24,054	\$12,675
Plan Fees Received	\$23,581	\$41,697	N/A	N/A

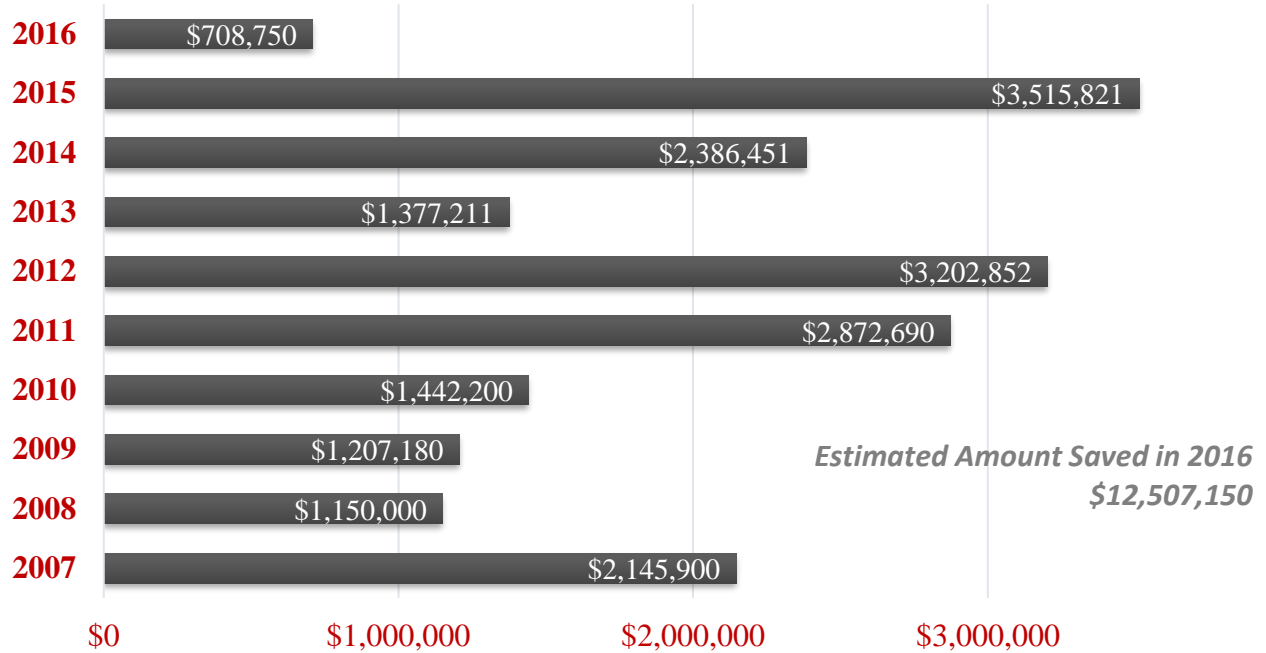
**Historical data from previous years may be adjusted to reflect El Dorado County's audited records.*

The construction of the El Dorado Hills Retirement Residence is almost complete and operations training has started. The Town Center El Dorado Hills Apartments, Pavilions Memory Care, Westmont Living Facility, Aerometals new building, Montano expansion, The Shops retail, and the many new residential subdivisions that are actively moving through the various Prevention Division processes will lead to a very demanding 2017. The increase in inspections that are required to be completed each year has lead us to implement new technology to help increase efficiency and provide accurate documentation for all inspections completed by the Fire Department personnel. In 2017, we will be using iPads and the FireHouse Inspector application to help streamline this process throughout the year and all years moving forward.

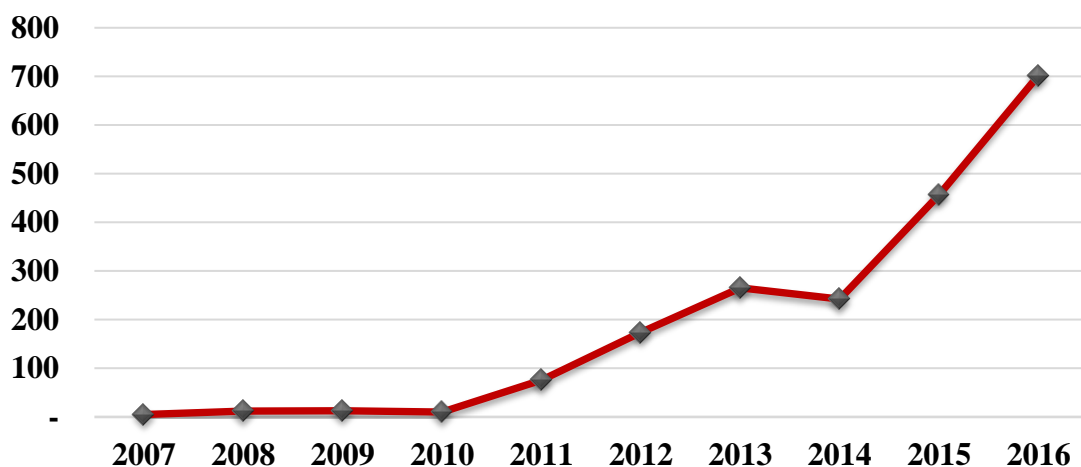
It is important for those that reside and work in El Dorado Hills to know that the Prevention Division is committed to ensuring their safety. Fire prevention and safety is a team effort between the Fire Prevention Division, Firefighters, Volunteers and the community. We remain dedicated to working together to protect life and property for all.

ANNUAL FIRE LOSS

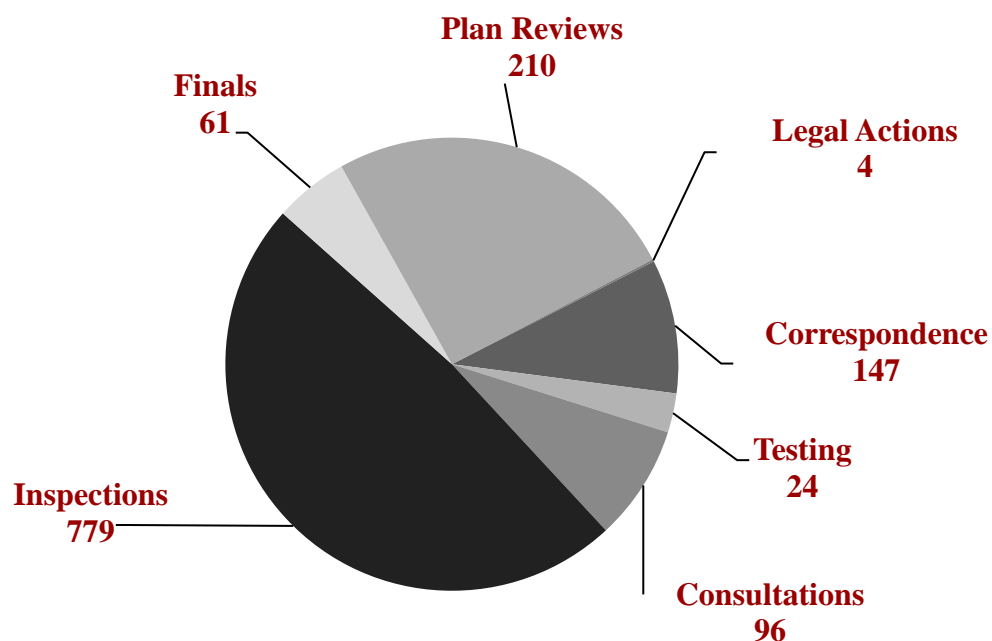
(Estimated Dollar Loss)



ANNUAL RESIDENTIAL FIRE SPRINKLERS



2016 FIRE PREVENTION ACTIVITIES



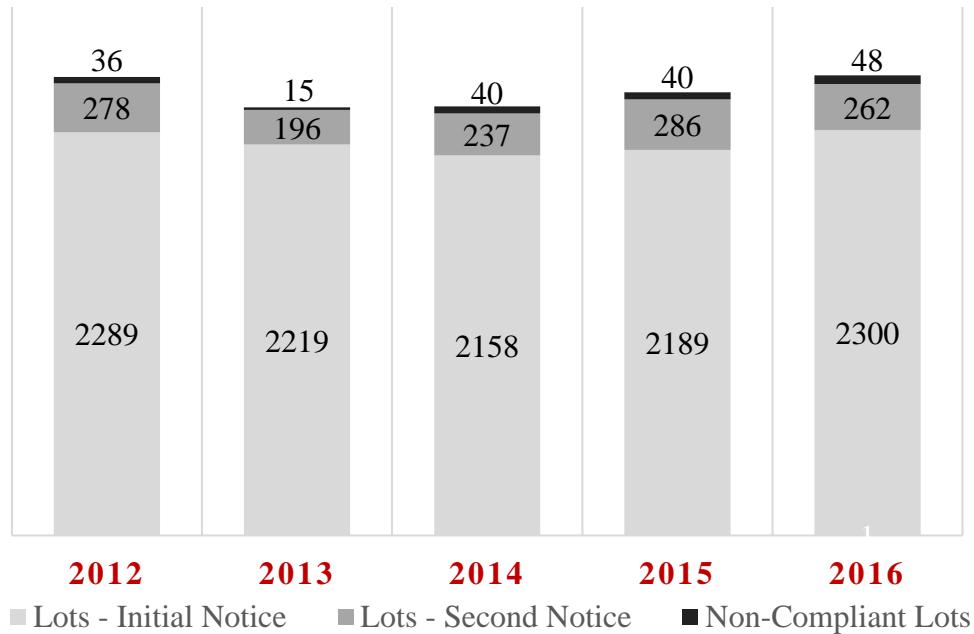
FIRE PREVENTION ACTIVITIES OVERVIEW

Activity	Description	2013	2014	2015	2016
Correspondence	Business License Applications, Fire Flow, Complaints, etc.	68	114	130	147
Testing	Commercial Hood, Electric Gate, Fire Alarm, Sprinkler, Private Fire Line, Fire Drills, etc.	34	9	38	24
Consultations	Special Events, RCFE's, Sprinklers, Gates, Fire Safety Education, etc.	48	97	112	96
Inspections	Fire Protection, Building, Construction, Knox Keys, Occupancy, Hazard Reduction, etc.	540	605	659	779
Finals	Commercial/Residential Building Plans, Rural Water Storage, etc.	62	45	72	61
Plan Reviews	Fire Alarm, Fire Sprinkler, Tenant Improvement, etc.	176	176	346	210
Legal Actions*	Pre-citation Letters, etc.	n/a	n/a	2	4

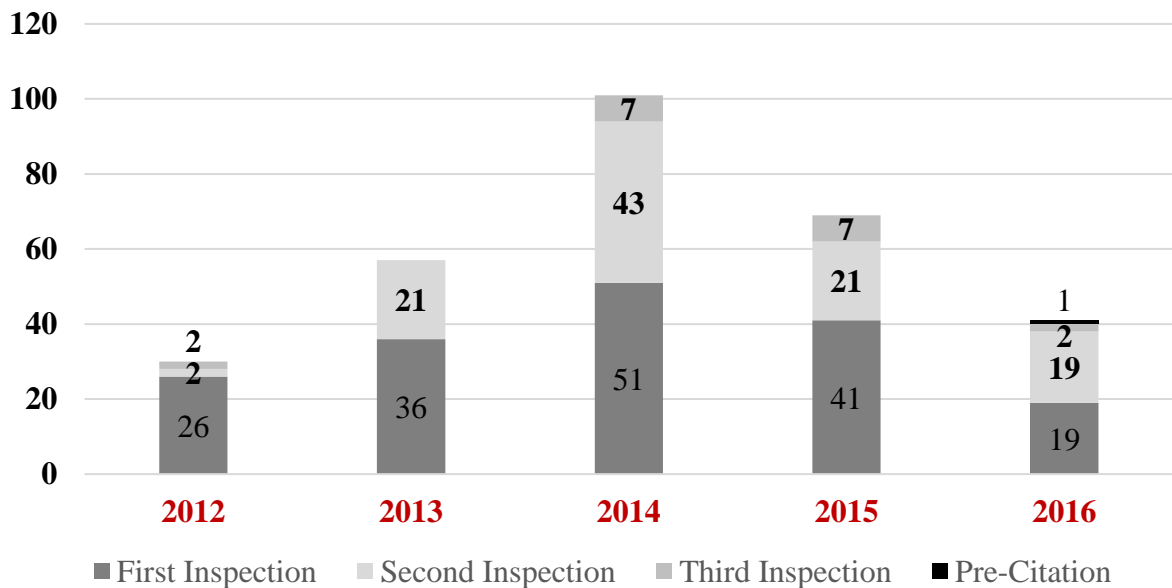
*Legal Action data is unavailable for previous years.

TOTAL **928** **1046** **1359** **1321**

VACANT LOT PROGRAM

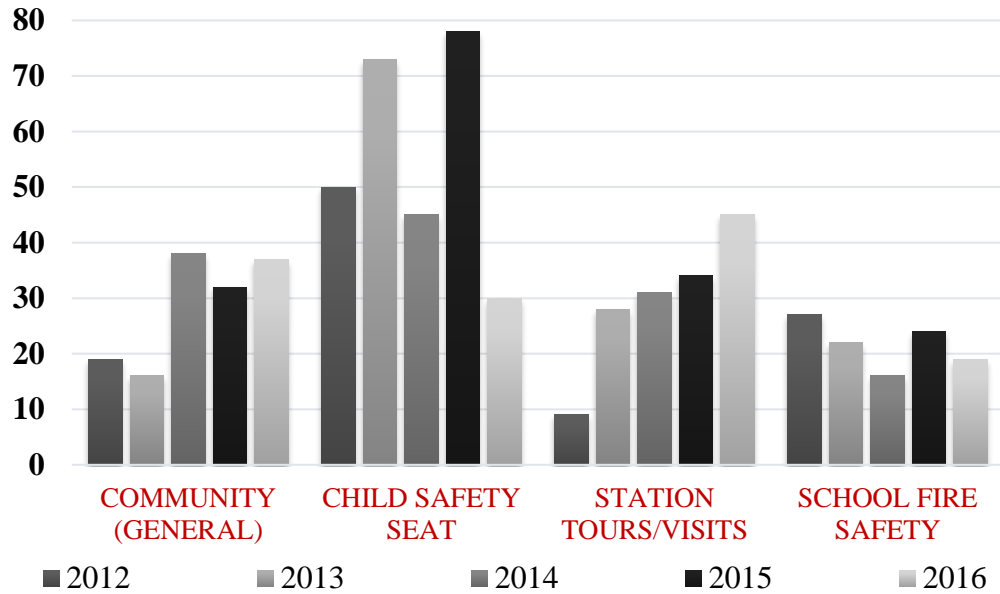


HAZARD REDUCTION PROGRAM INSPECTIONS



PUBLIC EDUCATION PROGRAMS

Activities





Apparatus

Apparatus

UNIT #	YEAR -CHASSIS MFG –TYPE	HOSE LOADS	TANK & PUMP CAPACITY	ALARM RESPONSE MILEAGE
8551	2002 International		SCBA Compressor	Structure Fire Support
Air-85	Hackney	N/A	Light Tower	19,143 Miles
	Air/Light Support			

8552	2005 Ford F350			
RESCUE 84	4x4 Water Rescue	N/A		16,663 Miles

8553	2015 Ford F-550	400' 1 3/4"	400 Gallons Water	All Structure Fire &
P-85	4X4-Type-6 Patrol	600' 1 1/2"	170 G.P.M.	Vehicle Accidents
			12 Gallons Foam-A	21,124 Miles

8554	2015 Ford F-550	400' 1 3/4"	400 Gallons Water	All Structure Fire &
P-91	4X4-Type-6 Patrol	600' 1 1/2"	170 G.P.M.	Vehicle Accidents
			12 Gallons Foam-A	3,391 Miles

8558	2015 Ford F-550		Advanced	Medical Aids
M-85	Arrow	N/A	Life Support	Vehicle Accidents
JPA	Ambulance			88,617 Miles

8559	Dodge		Advanced	Reserve Medic
M-287	Wheeled Coach	N/A	Life Support	101,404 Miles
JPA	Ambulance			

8562	2004 International	500' 3"	500 Gallons Water	Wildland Fires
E-387	West-Mark	150' 1 3/4"	500 G.P.M.	*Cross staffed summer
	4x4 Type-3 Engine	1500' 1 1/2"	Darley Pump	40,392 Miles
		800' 1"	20 Gallons Foam-A	

8563	2007 International	500' 3"	500 Gallons Water	Wildland Fires
E-386	West-Mark	150' 1 3/4"	500 G.P.M.	*Cross staffed summer
	4x4 Type-3 Engine	1500' 1 1/2"	Darley Pump	Mutual Aid Engine
		800' 1"	20 Gallons Foam-A	28,106 Miles

UNIT #	YEAR -CHASSIS MFG -TYPE	HOSE LOADS	TANK & PUMP CAPACITY	ALARM RESPONSE MILEAGE
8570	2003 Spartan	700' 5"	500 Gallons Water	Reserve/Volunteers
E-285	Ferrara	500' 3"	1500 G.P.M.	86,895 Miles
	Class "A" Pumper	100' 2 ½"	Waterous Pump	
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"	20 Gallons Foam-B	
		600' 1"		

8571	1996 HME	1000' 5"	600 Gallons Water	All Alarms
E-85	Hi-Tech	500' 3"	1500 G.P.M.	*Cross staffed summer w/ T85
	Class "A" Pumper	100' 2 ½"	Waterous Pump	78,749 Miles
	Type 1 Engine	550' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"	20 Gallons Foam-B	

8572	1999 HME	700' 5"	500 Gallons Water	Reserve
E-286	Westates	500' 3"	1000 G.P.M	6,942 Miles
	Class "A" Pumper	100' 2 ½"	Waterous Pump	
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"	20 Gallons Foam-B	
		600' 1"		

8574	2007 Spartan	700' 5"	500 Gallons Water	All Alarms Winter
E-86	Ferrara	500' 3"	1500 G.P.M.	*cross staffed summer
	Class "A" Pumper	100' 2 ½"	Waterous Pump	Mutual Aid Engine
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	5,805 Miles
		900' 1 ½"		
		600' 1"		

8576	2010 Igniter/Ferrara	700' 5"	500 Gallons Water	All Alarms Winter
E-87	Ferrara	500' 3"	1500 G.P.M.	*Cross staffed summer
	Class "A" Pumper	100' 2 ½"	Waterous Pump	45,780 Miles
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"	20 Gallons Foam-B	
		600' 1"		

UNIT #	YEAR -CHASSIS MFG -TYPE	HOSE LOADS	TANK & PUMP CAPACITY	ALARM RESPONSE MILEAGE
8577	2013 KME	700' 5"	500 Gallons Water	All Alarms
E-84	Class "A" Pumper	500' 3"	1500 G.P.M.	21,454 Miles
	Type 1 Engine	100' 2 ½"	Waterous Pump	
		600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"		
		600' 1"		

8580	2009 International	500' 3"	2000 Gallons Water	Structure Fires
WT-91	Rosenbauer	200' 1 ½"	500 G.P.M.	Wildland Fires
	Water Tender	20' 4"	20 Gallons Foam-A	9,895 Miles

8581	2003 Freightliner	500' 3"	2000 Gallons Water	Rural Area Support
WT-41	Westates	200' 1 ½"	500 G.P.M.	Structure/Wildland Fires
OES	Water Tender	20' 4"	Waterous Pump	State of CA Mutual Aid
				33,538 Miles

8590	2012 Sutphen	200' 5"	300 Gallons Water	All Structure Fire &
T-85	100' Aerial Platform	300' 3"	1500 G.P.M.	Vehicle Accidents
	Quint	100' 2 ½"	Hale Pump	32,139 Miles
		500' 1 ¾"		



UTILITY & STAFF VEHICLES

UNIT #	YEAR	MAKE/MODEL	VEHICLE DESCRIPTION	TYPE OF USE	MILEAGE
8531	2007	Ford F-150	Staff Vehicle	General Use/Utility	73,241
8532	2016	Explorer	Staff Vehicle	Prevention Officer	2,436
8533	2016	Explorer	Staff Vehicle	Prevention Officer	5,484
8534	2015	Chevrolet Tahoe	Staff Vehicle	Deputy Chief	30,732
8535	2015	Chevrolet Tahoe	Staff Vehicle	Fire Chief	19,515
8536	2015	Chevrolet Tahoe	Staff Vehicle	Duty Chief (new)	5,847
8539	2005	Ford F-250	Pickup 4x4	Strike Team/Utility	86,012
8541	2006	Ford F-250	Pickup 4x4	Strike Team/Utility	69,009
8542	1999	Ford F-350	Utility Bed	Prev. Trailer/Utility	7,553
8544	2003	Ford Expedition	Staff Vehicle	Fire Marshal	94,242
8546	2003	Ford Expedition	Staff Vehicle	Prevention Officer	127,268
8548	2003	Ford Expedition	Staff Vehicle	Strike Team/Utility	105,341
8549	2003	Ford Expedition	Staff Vehicle	Admin BC	13,295

