

EL DORADO HILLS FIRE DEPARTMENT



2017 Annual Report

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Dear Directors and Community Members:

The mission of the El Dorado Hills Fire Department (EDHFD) is simply stated in one sentence, but that one sentence covers an incredible amount of responsibility. ***“We, the El Dorado Hills Fire Department, exist to serve and protect the Community through emergency management.”*** Our firefighters and staff work tirelessly to provide caring and consistent service to our residents, visitors, and business interests throughout our response area and beyond. This mission is our guiding force and through the dedicated efforts of each and every member, uniformed and civilian, we live by our motto, “Your Safety, Our Commitment.”

Every day as an organization, we are forced to consider our changing environment and the necessary evolution of our service which enables us to effectively meet the needs of our Community. As our Community continues its rapid growth, so does the responsibility of providing the highest level of care and service. In 2017, members of the EDHFD experienced significant changes and increased demands for service. Throughout these changes the members of our organization remained steadfast in their dedication to our Community by maintaining our core values of ***“Integrity, Service, and Excellence.”***

As our environment and service demands change, our Department and our commitment to excellent customer service will continue to adapt to effectively meet the challenges of the future.

One of our most significant endeavors is to manage and reduce our response time by creating innovative solutions to the technology limitations placed on us by an older dispatching system. In 2017, these innovative solutions were instrumental in getting us to the incident faster. We continue to research other options that will allow accurate response time tracking and mapping of each call for service.

Considering the diversity of our response area, being prepared to respond to and successfully manage both man-made and natural disasters continues to be a priority. Through enhanced training and additional programs, our personnel are prepared and have acquired the necessary skills and equipment to protect the community from the many threats that could potentially occur.

I am honored to present the 2017 Annual Report which illustrates our commitment to the residents and business owners of our community. As we look forward to celebrating our 55th year Anniversary, our goal is to exceed your expectations. We will strive to build on our accomplishments and exemplify the honor, pride, and long-standing history of providing OUTSTANDING customer service to the Community.

I am always available to answer any questions you may have.

Respectfully,

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

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>
Jim Hartley	President	2000
John Giraudo	Vice President	2016
Gregory Durante	Director	2008
Barbara Winn	Director	2009
Doug Hus	Director	2014
Mike Cook	Board Counsel	1988
Jessica Braddock	Board Secretary	2015

STANDING COMMITTEES

Administrative Committee	Jim Hartley	Greg Durante
Finance Committee	Barbara Winn	John Giraudo
Joint Powers Authority	Jim Hartley	John Giraudo

AD HOC COMMITTEES

Armament Committee	Jim Hartley	Greg Durante
Communications Committee	Greg Durante	Barbara Winn
CSD/Fire Collaboration Committee	John Giraudo	Greg Durante
Station 91 Committee	Greg Durante	John Giraudo
Strategic Planning Committee	Doug Hus	John Giraudo
Training Facility Committee	Greg Durante	Jim Hartley



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 Layton, Fire Inspector II
Kristin Moreno-Cramer, Administrative Assistant (part-time)
Megan Selling, Administrative Assistant
Christina Burroughs, Administrative Assistant
Shannon Wright, Administrative Assistant (part-time)
Tim Kerwood, Operations Support Technician



CAPTAIN/PARAMEDIC

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

ENGINEER/PARAMEDIC

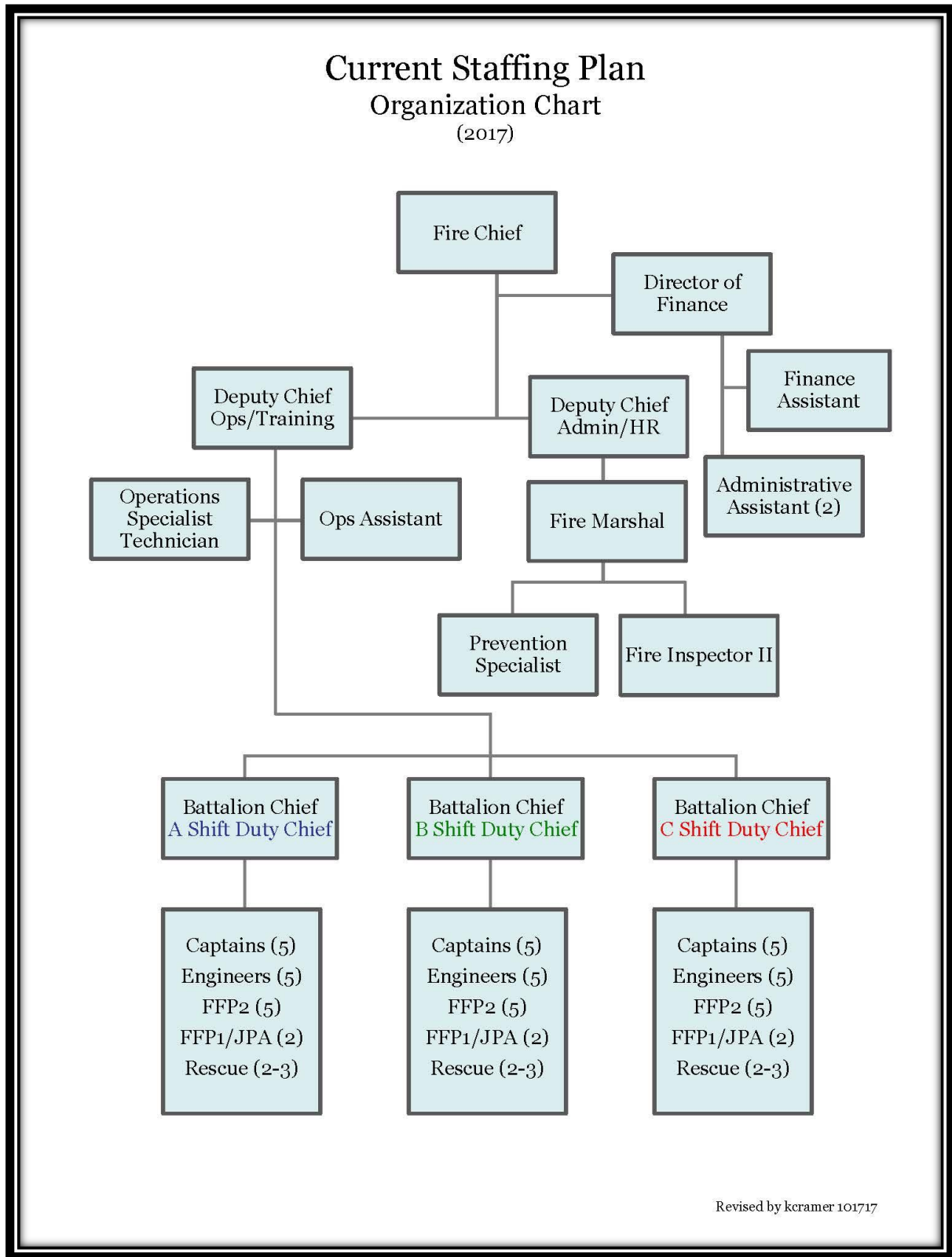
Baldwin, Jacob
Belleci, Matthew
Bichel, Todd
Burvant, Lantz
Cummins, Jeffrey
Ferry, Bryan
Gygax, Michael
Hemstalk, Dale
LeBlanc, Michael
Mason, LisaMarie
Smith, Jason
Sommercamp, James
Ward, Dave
Wesson, Phillip
Wilkey, Brian

FIREFIGHTER/PARAMEDIC

Austerman, Robert
Bennett, Ryan
Bohanan, Lucas
Brown, Ryan
Gove, Steven
Gregory, Adam
Johnson, Justin*
Leduc, Brian
Lorence, Don
Lovinger, Michael
Lowe, Brian
MacKenzie, Robyn
Minnich, Stacy
Morgan, Murray
Phillips, Raymond
Schlange, Kevin
Scroggins, Drew
Sickenberger, Christopher
Stiern, Carmen
Tiffany, Adam
Tyson, Zachary
VanDalen, John
Ward, Sean*
Zarback, Thomas

*Personnel who departed EDHFD in 2017 (see Promotions & Retirements section for details).

Department Organization Chart



Organizational Changes

New Hires

Firefighter/Paramedic
Ryan Brown

Firefighter/Paramedic
Raymond Phillips

Firefighter/Paramedic
Drew Scroggins

Firefighter/Paramedic
Zachary Tyson

Promotions

Promoted to Captain
Michael MacKenzie

Promoted to Engineer
Jeffrey Cummins

Promoted to Fire Inspector II
Stephanie Layton

Promoted to Admin. Assistant II
Shannon Wright

Retirements



Russell Hasemeier
Battalion Chief
26 years of service



Christopher Storz
Captain
23 years of service



Todd Thalhamer
Volunteer Lieutenant
19 years of service



Sean Ward
Firefighter Paramedic
10 years of service

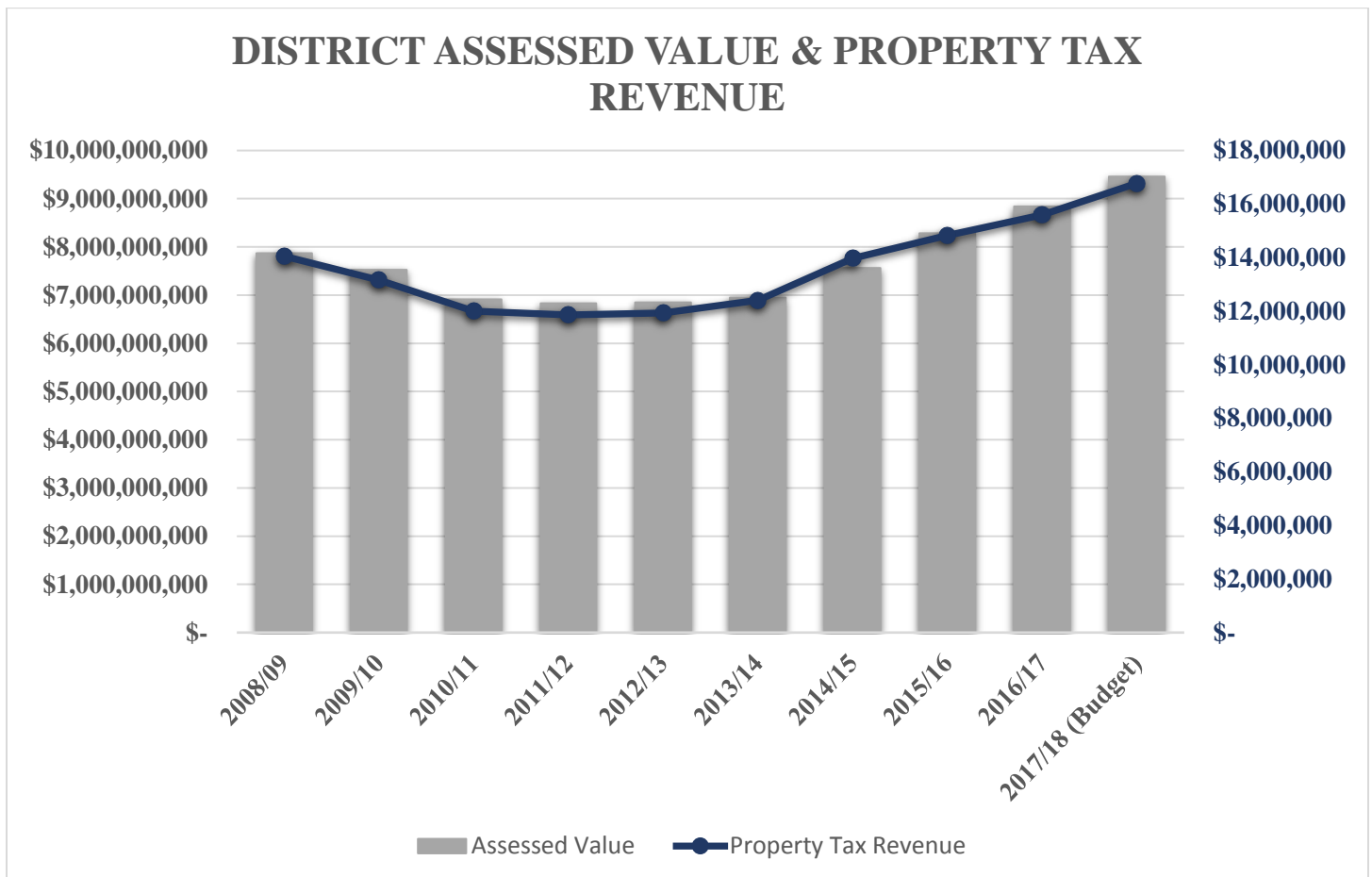


Bobby Boeker
Volunteer Engineer
13 years of service

District Growth Summary

The District experienced significant growth in 2017. Property tax revenue, District assessed value, and development fees all increased from 2016. Highlights are as follows:

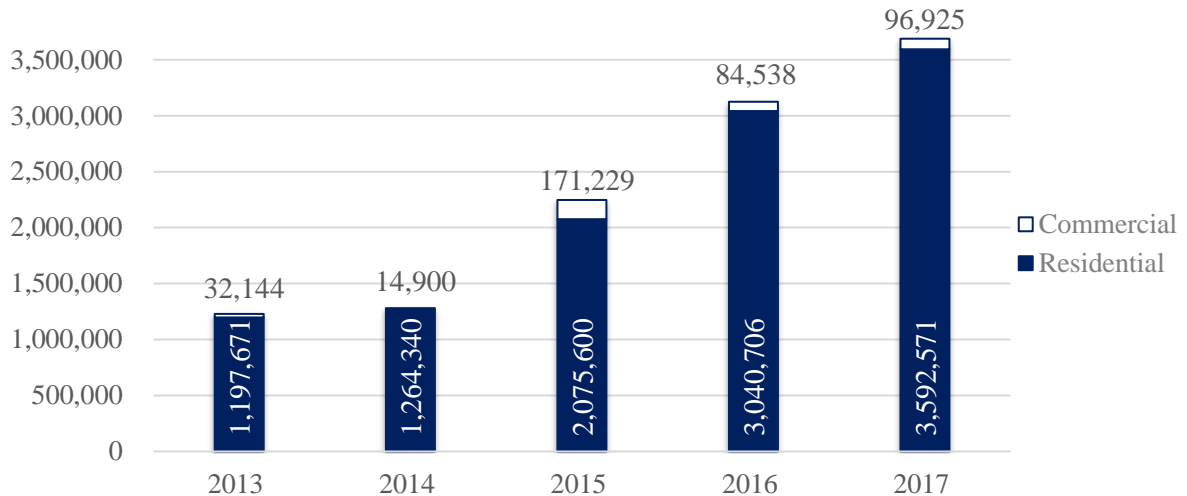
- ❖ The assessed value for the District increased 7% in fiscal year 2017/18. This is the sixth consecutive year the District has had an increase in assessed value. The District assessed value has increased an average of 6.7% per year over the past 5 years and 2.4% per year over the past 10 years.
- ❖ The District's property tax revenue, including projections provided by the County, is expected to increase by approximately 7.6% for the 2017/18 fiscal year. Property tax revenue has increased an average of 7% per year over the past 5 years and 2.3% per year over the past 10 years.



- ❖ Permits were issued in 2017 for commercial development totaling 96,925 square feet, a 15% increase from 84,538 square feet in 2016. Residential development increased by about 18% in 2017 to roughly 3,592,571 square feet. Residential and Commercial development combined added approximately \$298,535,972 in assessed value to the District.

RESIDENTIAL & COMMERCIAL CONSTRUCTION

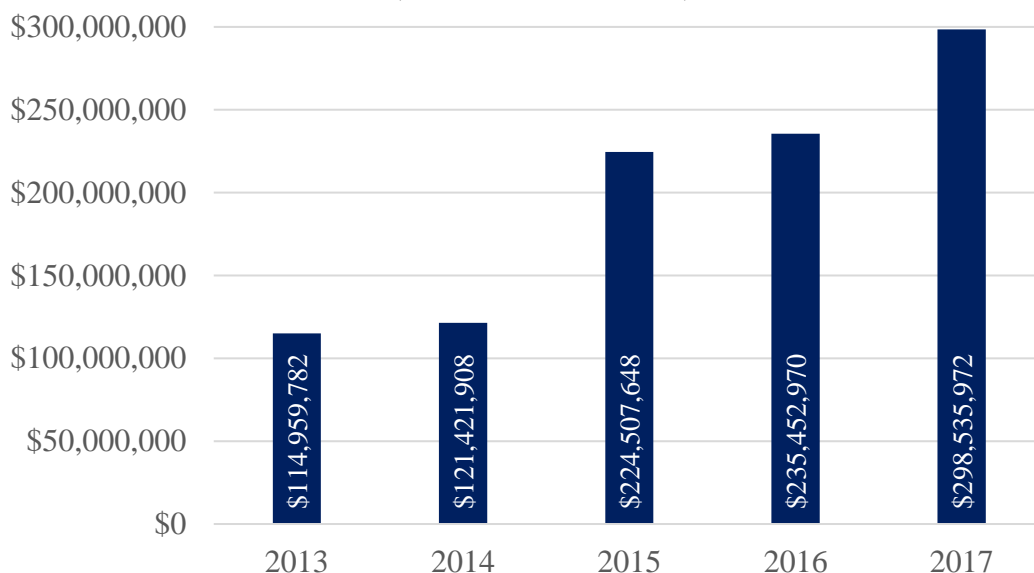
Total New Square footage (fees paid/permits issued)



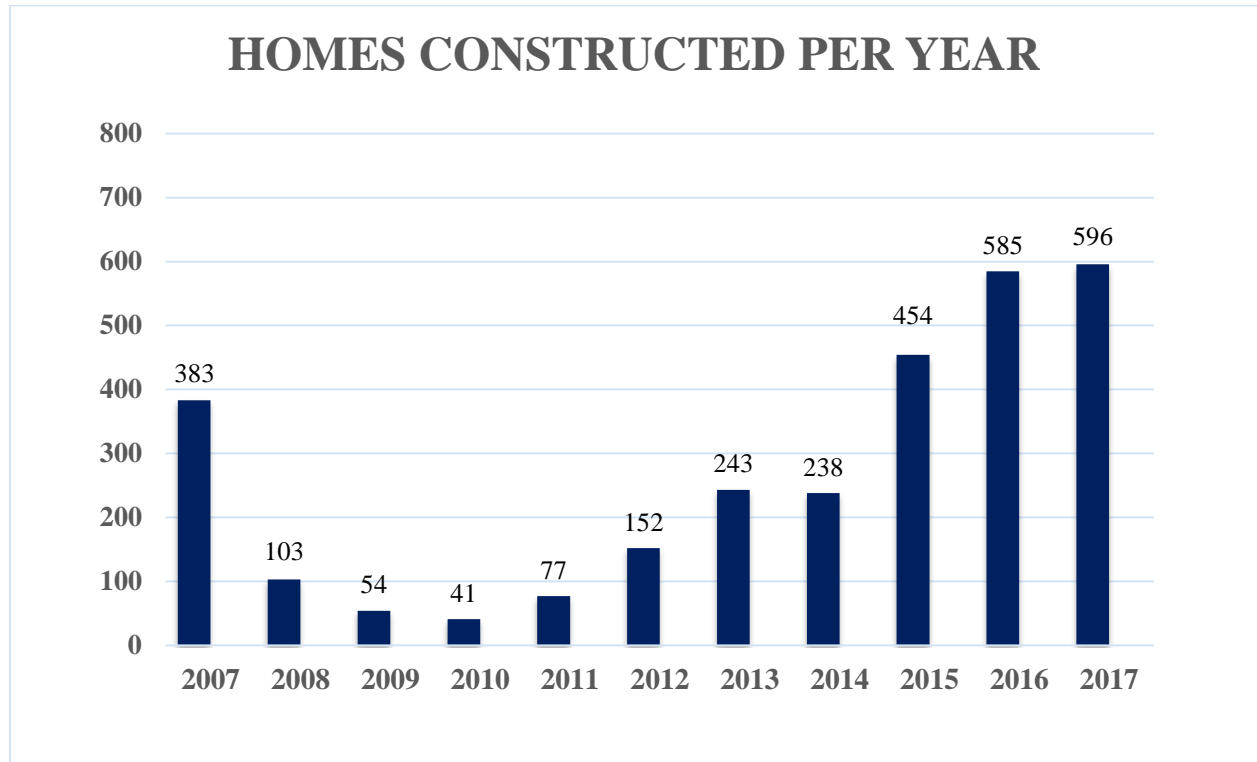
*Note: Residential Development includes dwellings, garages, accessory buildings, decks, etc.

RESIDENTIAL & COMMERCIAL DEVELOPMENT

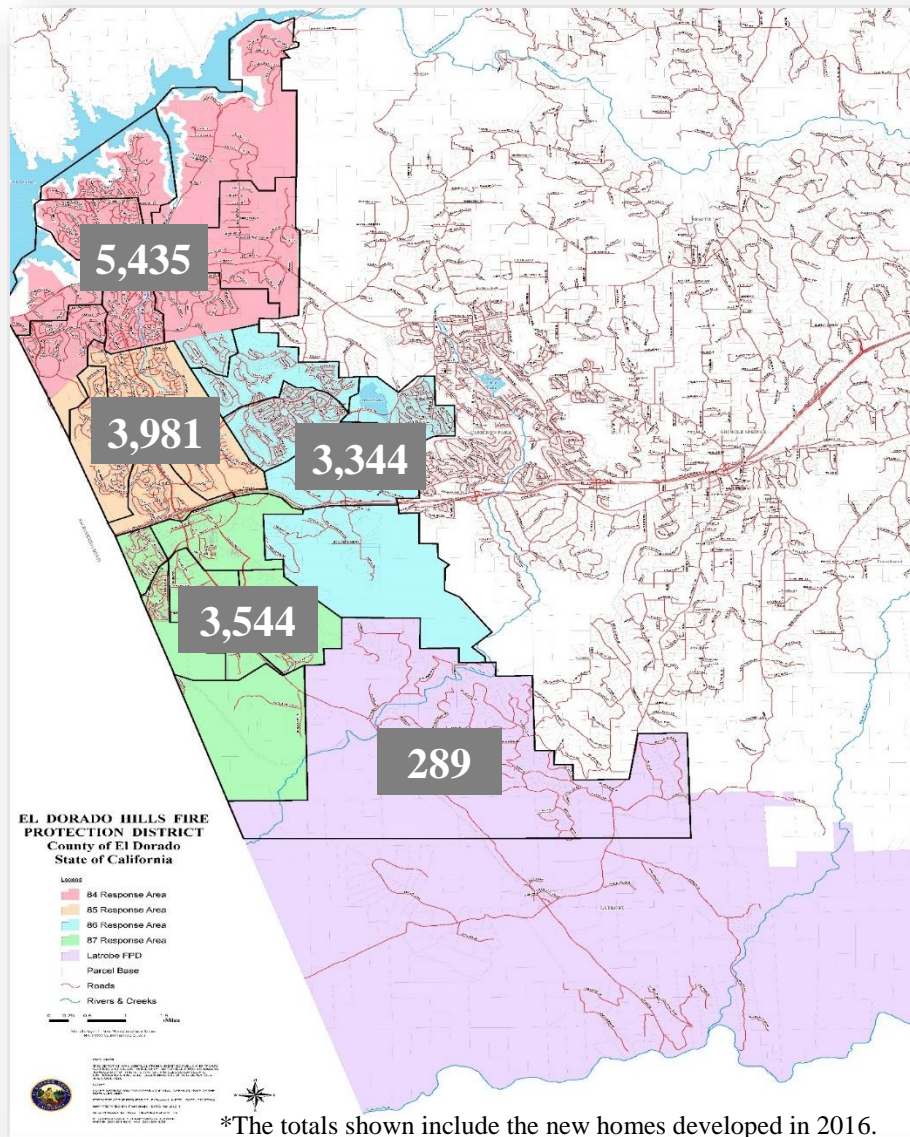
(Assessed Value added)



- ❖ New home development reached a new 10-year high in 2017 with 596 homes constructed, a slight increase from 2016. The District had a total of 16,593 homes at the end of 2017.



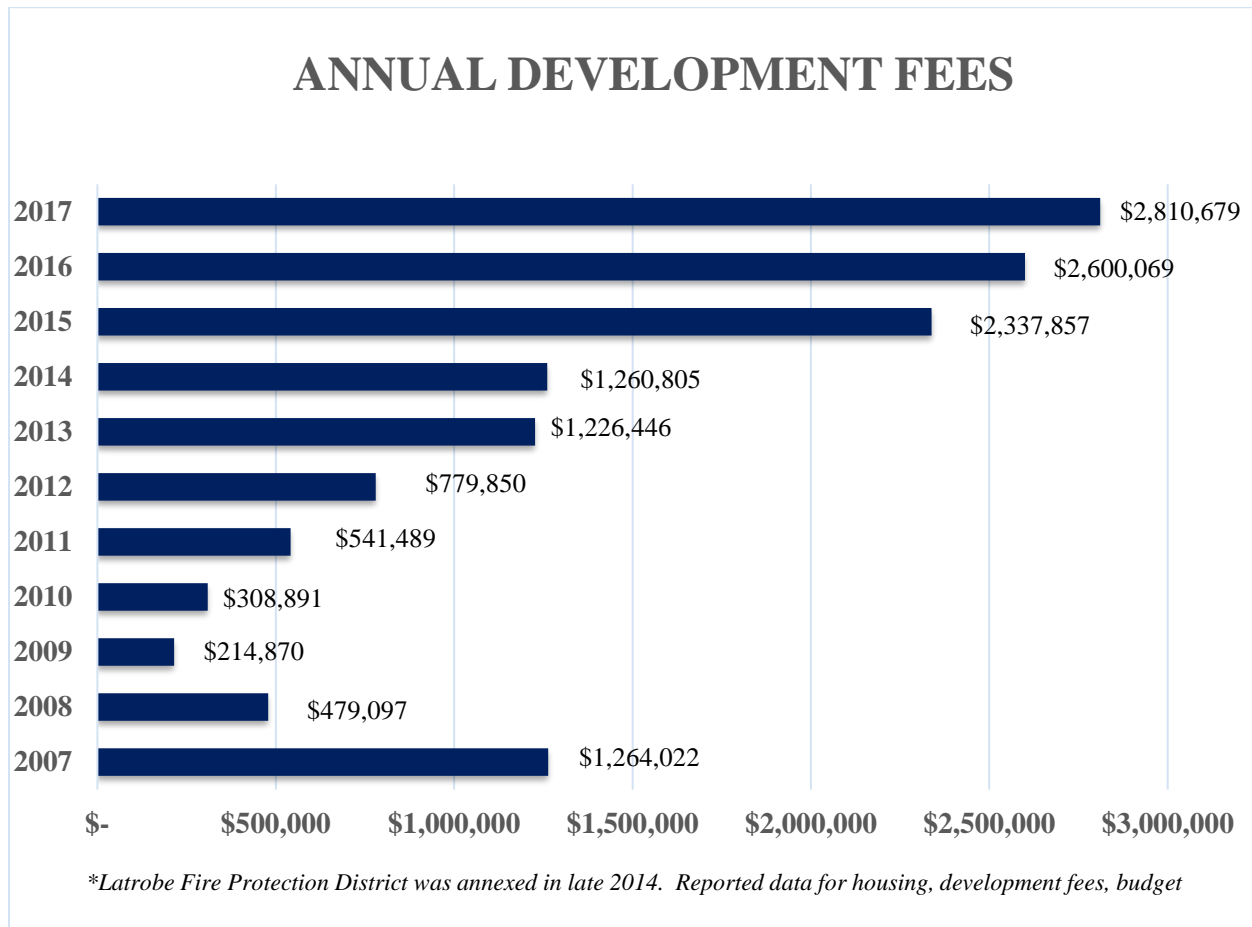
2017 TOTAL HOMES BY RESPONSE AREA



NEW HOMES CONSTRUCTED IN 2017

Station 84	72
Station 85	30
Station 86	87
Station 87	405
Station 91	2
Total New Homes	596

- ❖ The District billed a total of \$2,810,679 in development fee revenue during the 2017 calendar year, a slight increase from \$2,600,069 in 2016.



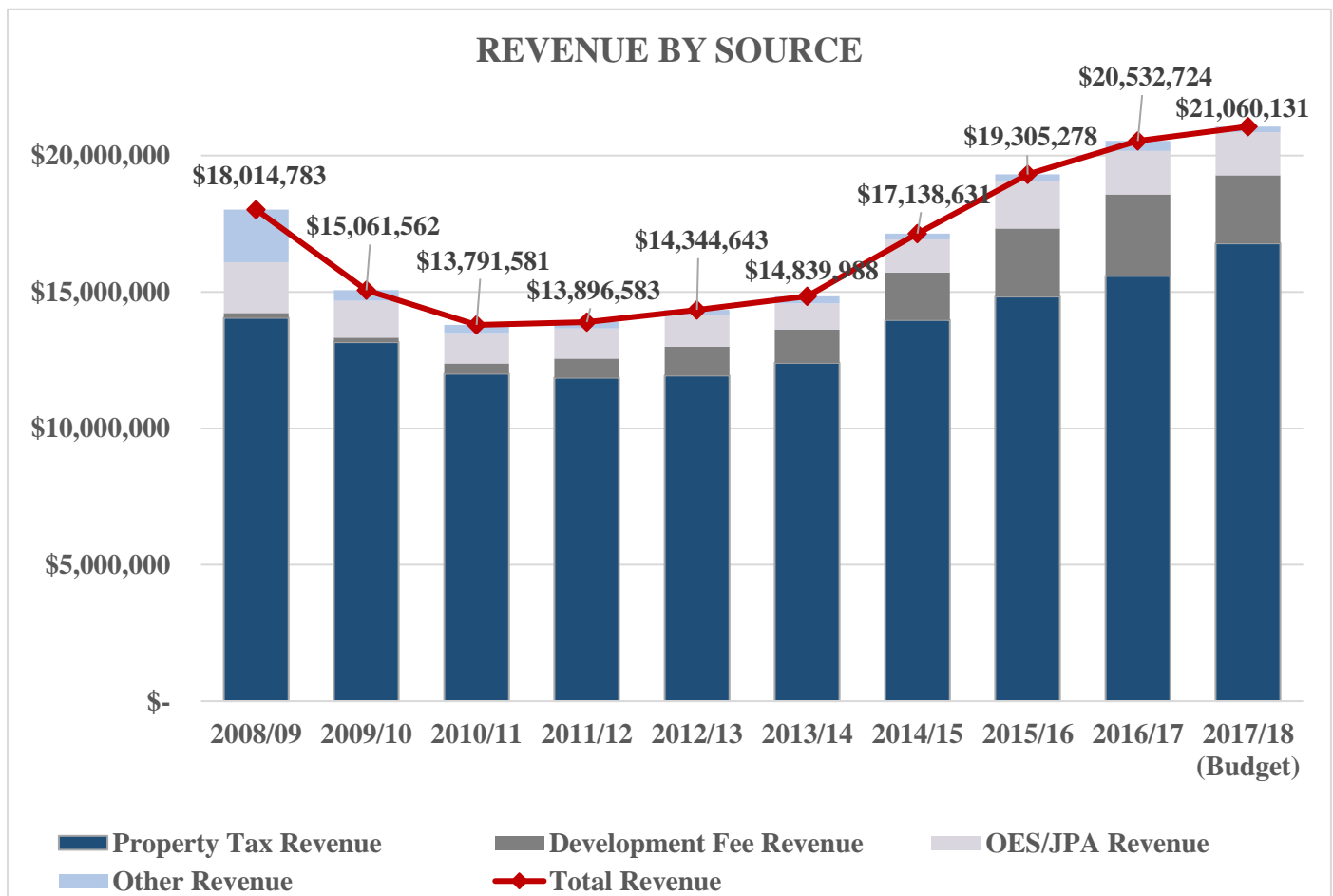
In summary, the El Dorado Hills Fire District continues to grow steadily and has fully recovered from the economic downturn of 2009. The assessed value of the District is at an all-time high and continues to grow. Development is on the rise and this trend is likely to continue into the near future. The 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. Below is a summary of the 10-year historical trends in Revenue, Expenses and Reserve Balances.

REVENUE

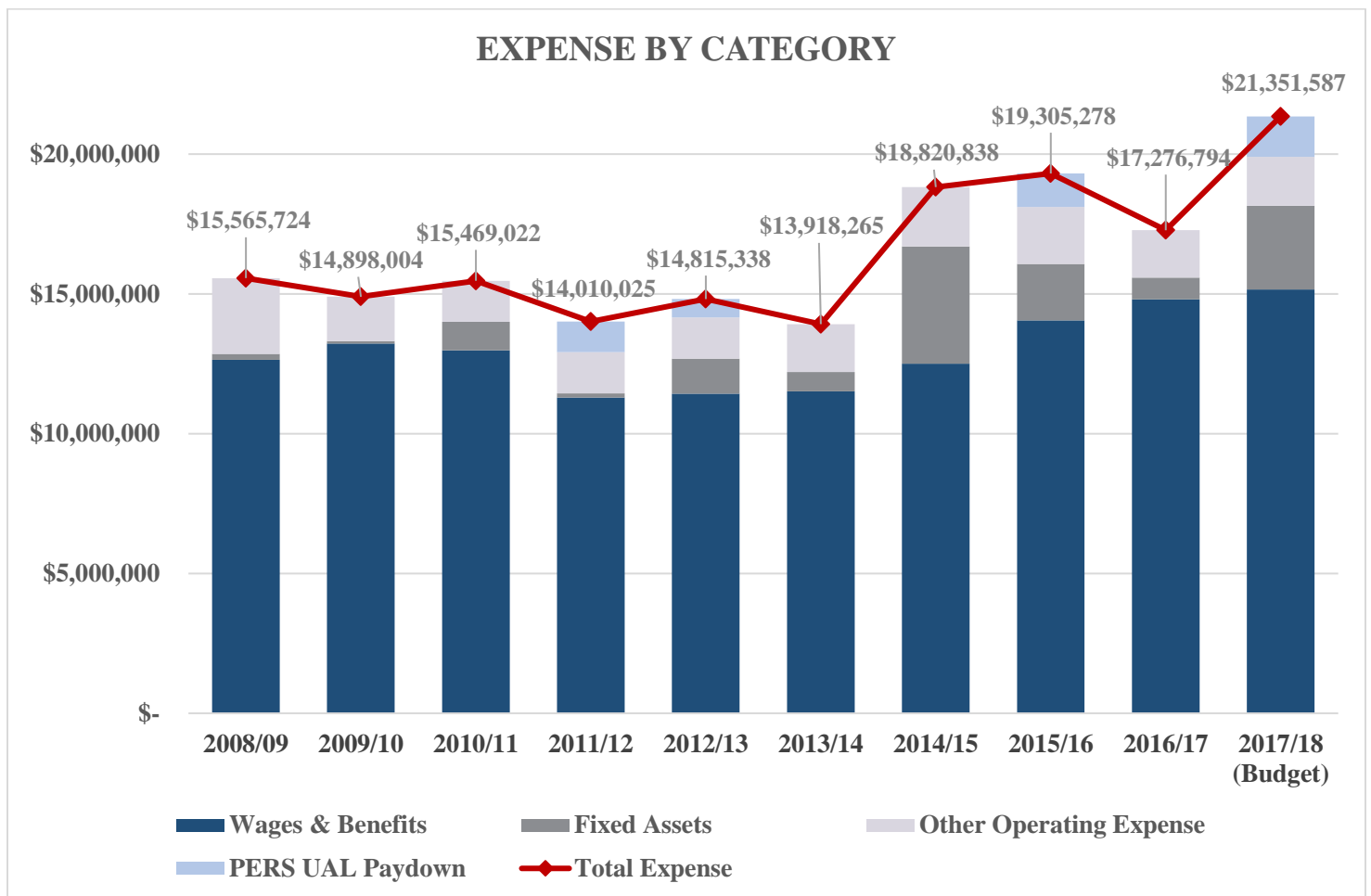
Total revenue has steadily increased year over year since its 10-year low in fiscal year 2010/11. The District's primary source of revenue is property tax revenue, which is projected to make up approximately 80% of total revenue in 2017/18. Total revenue is projected to increase by approximately 2.6% from 2016/17. This is due to an increase in property tax revenue partially offset by a decrease in projected development fee revenue. OES and JPA revenue consist of reimbursements for actual costs incurred and have remained relatively flat 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. The District has seen a significant increase in development fee revenue since 2008/09. However, this revenue is restricted to use toward only qualified capital expenditures.



EXPENSE

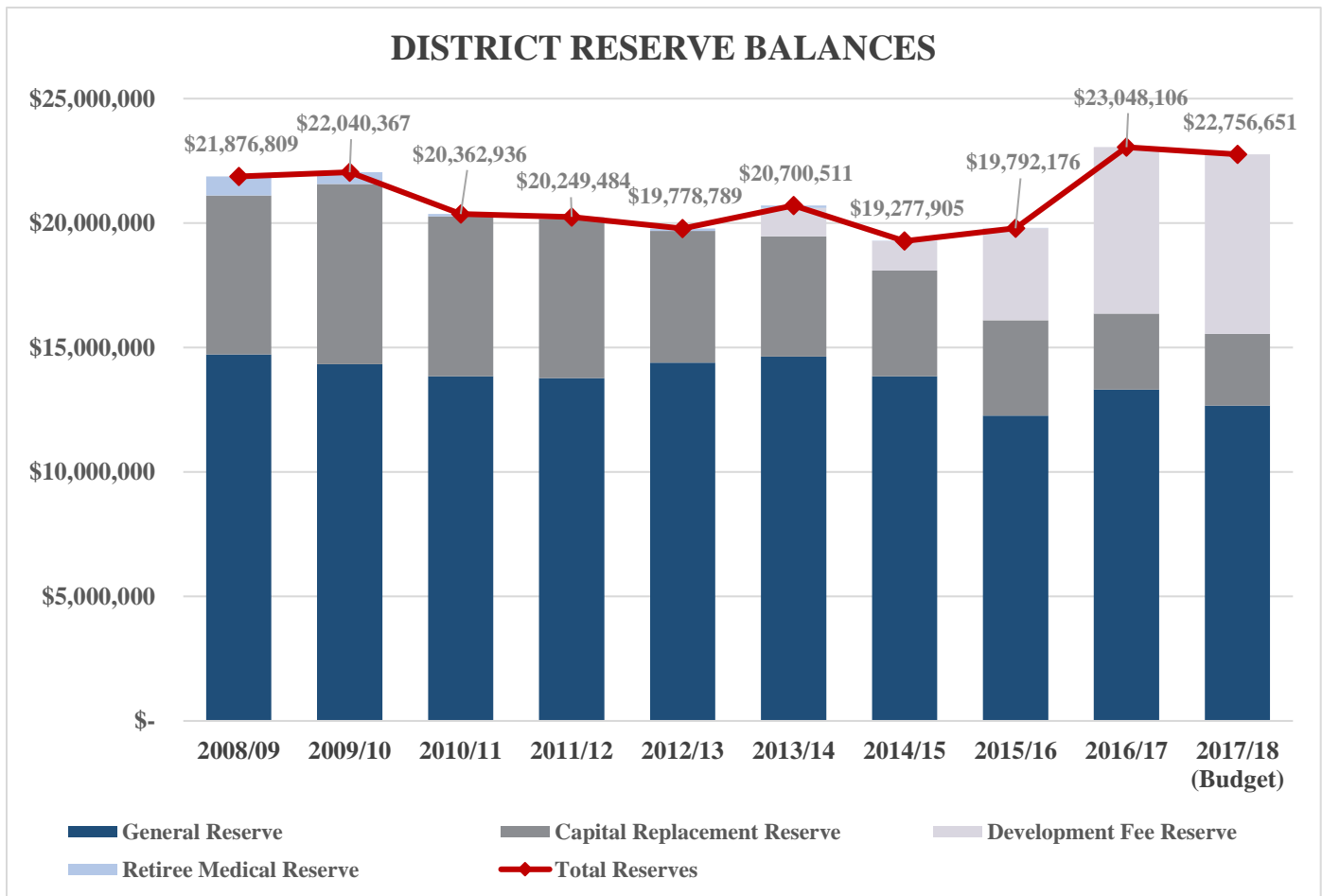
The District prides itself on maintaining a tight control over expenses and on having the ability to adjust and reduce spending when needed. Accordingly, the 10-year trend for total expense shows fluctuations year over year that are fairly consistent with the increases and decreases in total revenue. 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.

Wages & Benefits have since increased year over year as the District has recovered from the economic downturn. Investments in fixed assets have fluctuated greatly depending on the timing of large projects, such as the rebuild of Station 84 in 2014-2016 and a new Type I Engine purchase budgeted in 2017/18. 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 is a significant spike in total expense budgeted for 2017/18. This is due to planned lump sum payments toward the District's Pension and OPEB unfunded liabilities totaling \$1.45M, as well as higher budgeted fixed asset purchases for a Type I Engine and a new Training Center.



RESERVE BALANCES

The District has historically maintained healthy reserve balances, meeting its Reserve Policy goal of keeping a minimum of half a year's operating expense on hand in the General Reserve Fund. The 10-year historical trend shows total reserves holding steady around \$20M from 2010/11 to 2015/16. In 2016/17, total reserves increased to \$23M and they are expected to remain relatively stagnant in 2017/18. However, this spike is due to a significant increase in the restricted Development Fee Reserve Fund. General and Capital Replacement Reserve Funds have declined from a high of \$21.6M in 2009/10 to a budgeted low of \$15.5M in 2017/18. The District continues to monitor these trends with an overall goal of preserving its unrestricted reserves and meeting the goals set forth in its Reserve Policy.



Strategic Plan

Strategic Planning is a process that involves the statement of an organization's most important goals, the implementation of plans to achieve them, the assessment of progress, and the continual revision and update of objectives, resources, and schedules. EDHFD utilized the Community-Driven Strategic Planning Process to go beyond the development of a document. It challenged the membership of the Fire Department to critically examine paradigms, values, philosophies, beliefs and desires, and compelled individuals to work in the best interest of the Department as a whole and the Community it serves.

Originally adopted by the El Dorado Hills Fire Department Board of Directors in 2013, the Community-Driven Strategic Plan is a living document that is continuously evaluated and modified to ensure that our collective efforts remain focused on our mission of providing exceptional service to our internal and external customers.

This Strategic Plan, with its foundation based in Community and membership input, continually revisits the Department's pillars (Mission, Values, and Vision) and sets forth a continuous improvement plan that offers a road map for a justifiable and sustainable future. 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 initiative which culminated in six original goals. To date, progress has been made. Two goals were completed and two new goals were adopted. To view the most recent Strategic Plan document, please visit our Department website at www.edhfire.com under [Department Information](#).

Over the last five years, many changes and challenges have transpired and it is our responsibility to ensure we continue to meet the ever-changing demands of providing Emergency Service and excellent Customer Service. That is why it is our goal for 2018 to conduct another Strategic Planning Process that will allow us to identify our strengths, weaknesses, opportunities and threats. This evaluation tool will help us determine our current critical issues and service gaps and aid in identifying and prioritizing our future Strategic Initiatives.





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.

4,070 CALLS FOR SERVICE

Over the years, the population of our service area has increased and so has the request for service. In the year 2017, the El Dorado Hills Fire Department responded to a total of 4,070 calls for service. This is an increase of 13% from 2016 and a 33% increase in run volume over the last two years!

\$9,459,822,104 ASSESSED VALUE PROTECTED

The Department protects \$9.4 billion dollars in assessed land and structure value, which is the highest value in all of El Dorado County. In 2017, the Department responded to 166 fire incidents that resulted in a dollar loss of \$2,681,535 and a dollar saved of \$9,015,848 which equates to a total ***percentage saved of 77%***. This savings can be attributed to the Department’s high level of training and commitment to provide exceptional levels of service.

49,000 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	10
111, 123	Building fires	25
112	Fire in a structure other than a building	2
113	Cooking fires	8
114, 115, 116, 118, 120	Fires other than building or transportation	7
121	Mobile home used as a fixed residence	0
131	Passenger vehicle fire	21
122, 130, 132, 133, 134, 135, 136, 137, 138	Transportation fires other than vehicles	4
140, 141, 142, 143	All vegetation fires	56
150, 151, 152, 153, 154, 155	Rubbish and dumpster fires	17
160, 161, 162, 163, 164, 170, 171, 172, 173	Other outside fires	16

TOTAL FIRE INCIDENTS 166

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	0
240, 241, 243	Fireworks or bomb explosion (no fire)	3
251	Excessive heat, scorch with no ignition	0

TOTAL OVERPRESSURE, RUPTURE & EXPLOSION 3

EMS & RESCUE INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
300, 311, 320	Rescue, EMS incident, other	4
321, 321G	EMS Call, excluding vehicle accident	1181
321T	Trauma	355
321C	Cardiac	249
321R	Respiratory	162
321X	Transfers	210
322, 323, 324	Motor vehicle accidents	274
331	Lock in	1
350	Extrication, rescue, other	1
352	Extrication of victims from vehicle	1
357	Extrication from machine	2
342, 360, 361, 363, 365	Water rescues	7
371	Electrocution	0
321N	EMS call, cancelled at scene	49
381	EMS standby	5

TOTAL EMS & RESCUE INCIDENTS 2501

HAZARDOUS CONDITION (No Fire)		
Incident Report System Codes	Category Description	# of Incidents
400	Other	4
410, 411, 412, 413	Flammable liquids and gas spills	22
420, 421, 422, 423	Toxic and chemical spills	1
424	Carbon monoxide calls	1

440, 441, 442, 443, 444, 445	Electrical hazards	30
451	Biological hazards	0
460, 461, 462, 463, 471, 480, 481, 482	Building/vehicle and other hazards	2
TOTAL HAZARDOUS CONDITIONS		60

SERVICE CALLS		
Incident Report System Codes	Category Description	# of Incidents
500	Service calls	10
510, 511, 512	Distress, lock-outs, jewelry remove	69
520, 521, 522	Water incidents	22
531	Smoke removal	19
540, 541, 542	Animal problems	308
550, 553, 554	Public assists	180
551, 552	Law assists	11
555, 561, 571	Elevator, unauthorized burning, standby	108
TOTAL SERVICE CALLS		727

GOOD INTENT INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
600	Other	5
611, 621, 622	Cancelled enroute, wrong location	412
631, 632, 641, 650, 651, 652, 653	Fire, smoke, odor	23
661	EMS (PT self-transport)	0
671, 672	Haz-mat, biological investigation	2
TOTAL GOOD INTENT INCIDENTS		442

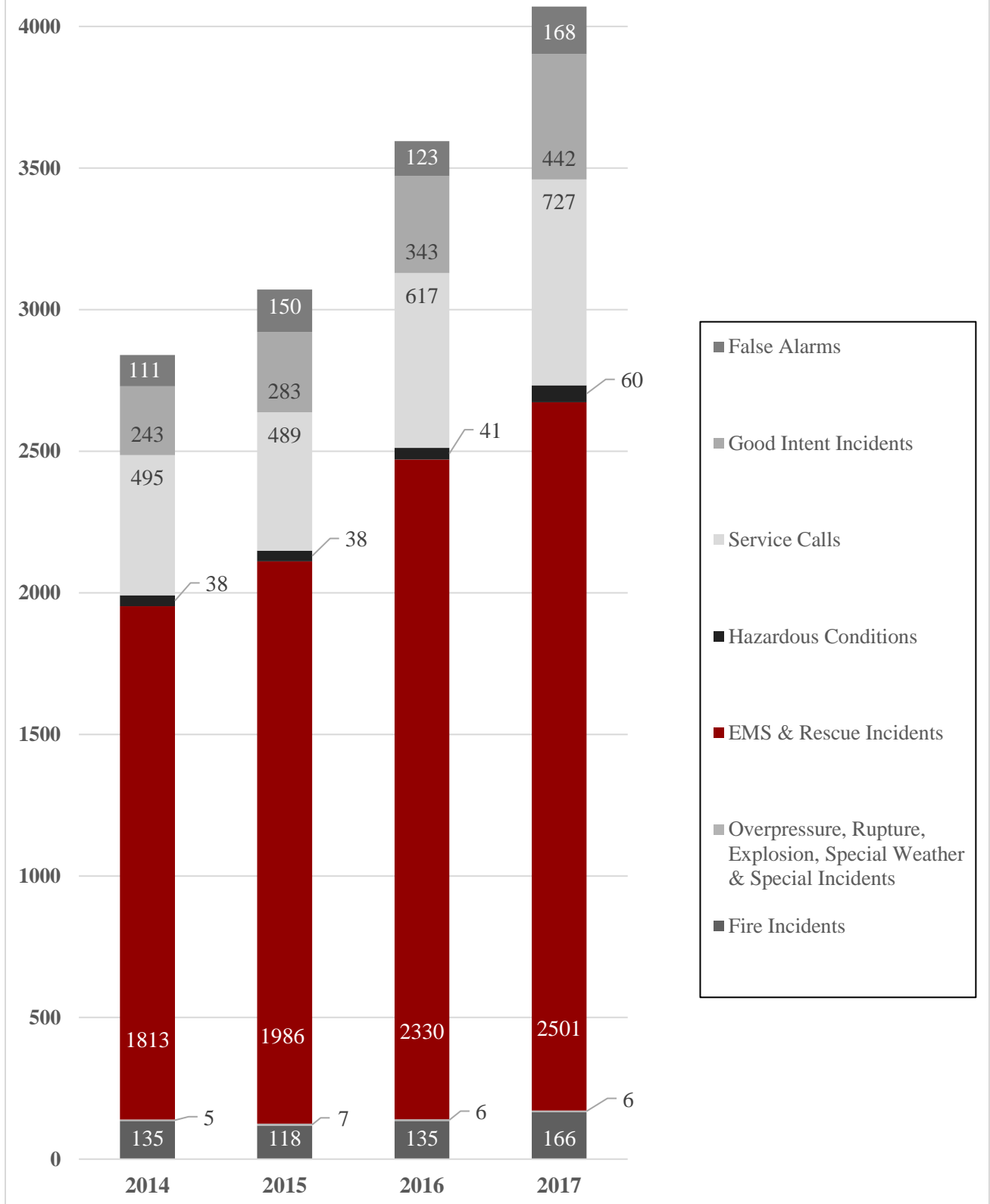
FALSE ALARMS		
Incident Report System Codes	Category Description	# of Incidents
700	Other	18
730, 731, 732, 733, 734, 735, 736, 740, 743, 744, 745, 746	System/device malfunction	149
741, 742, 751	Sprinkler/extinguisher system activation	1
TOTAL FALSE ALARMS		168

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

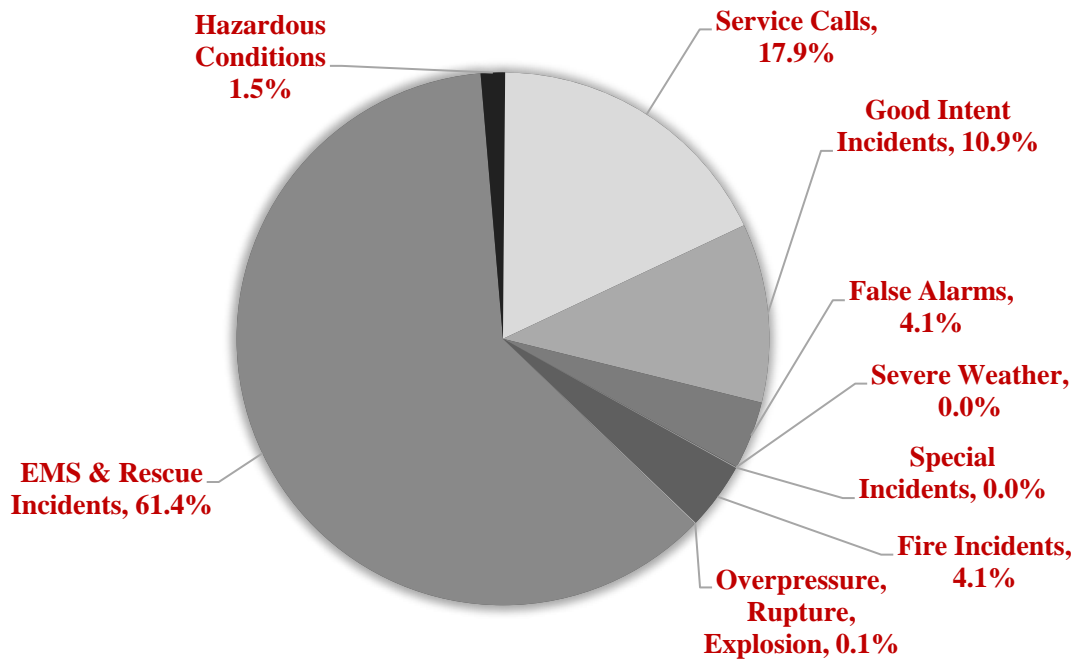
SPECIAL INCIDENT TYPES		
Incident Report System Codes	Category Description	# of Incidents
900, 911	Special type of incident, other	2
SPECIAL INCIDENT TYPES		2

TOTAL INCIDENTS: 4070

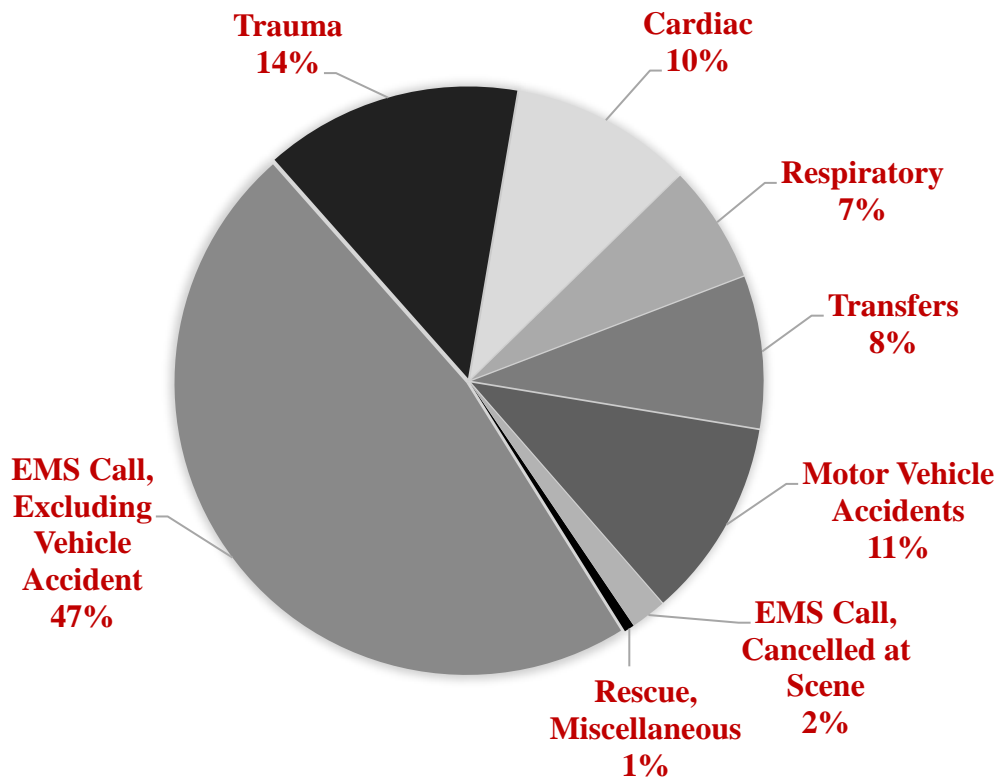
TYPE OF INCIDENTS BY YEAR

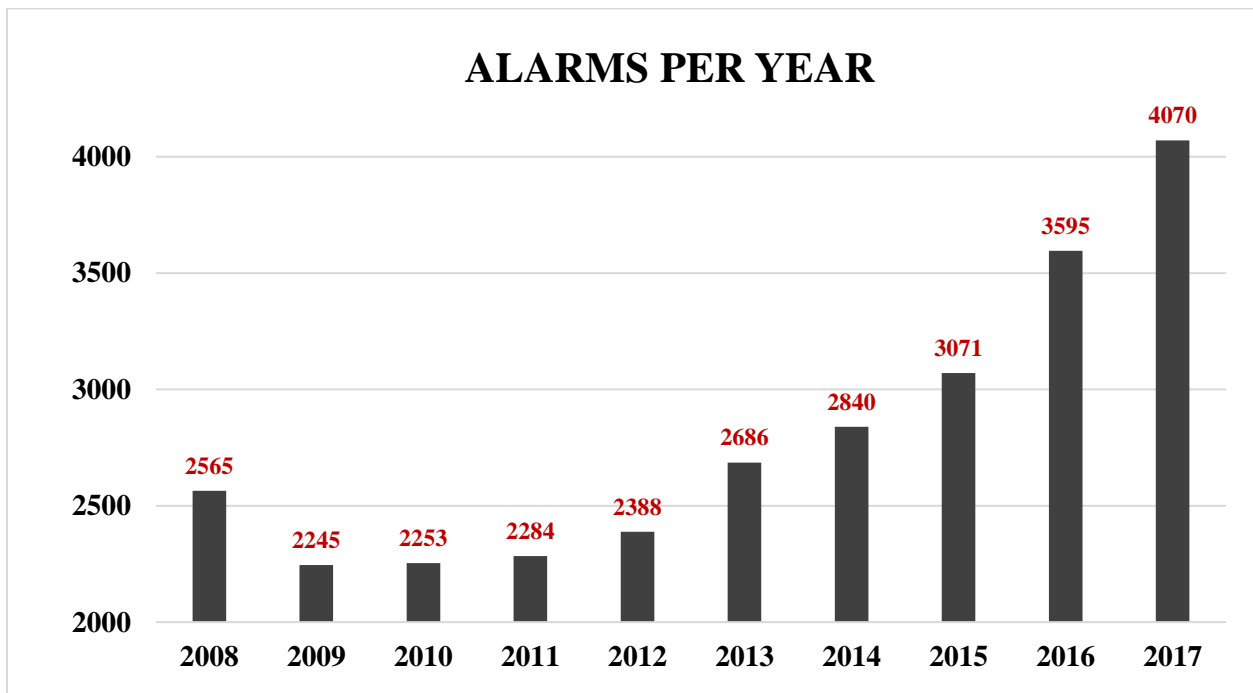
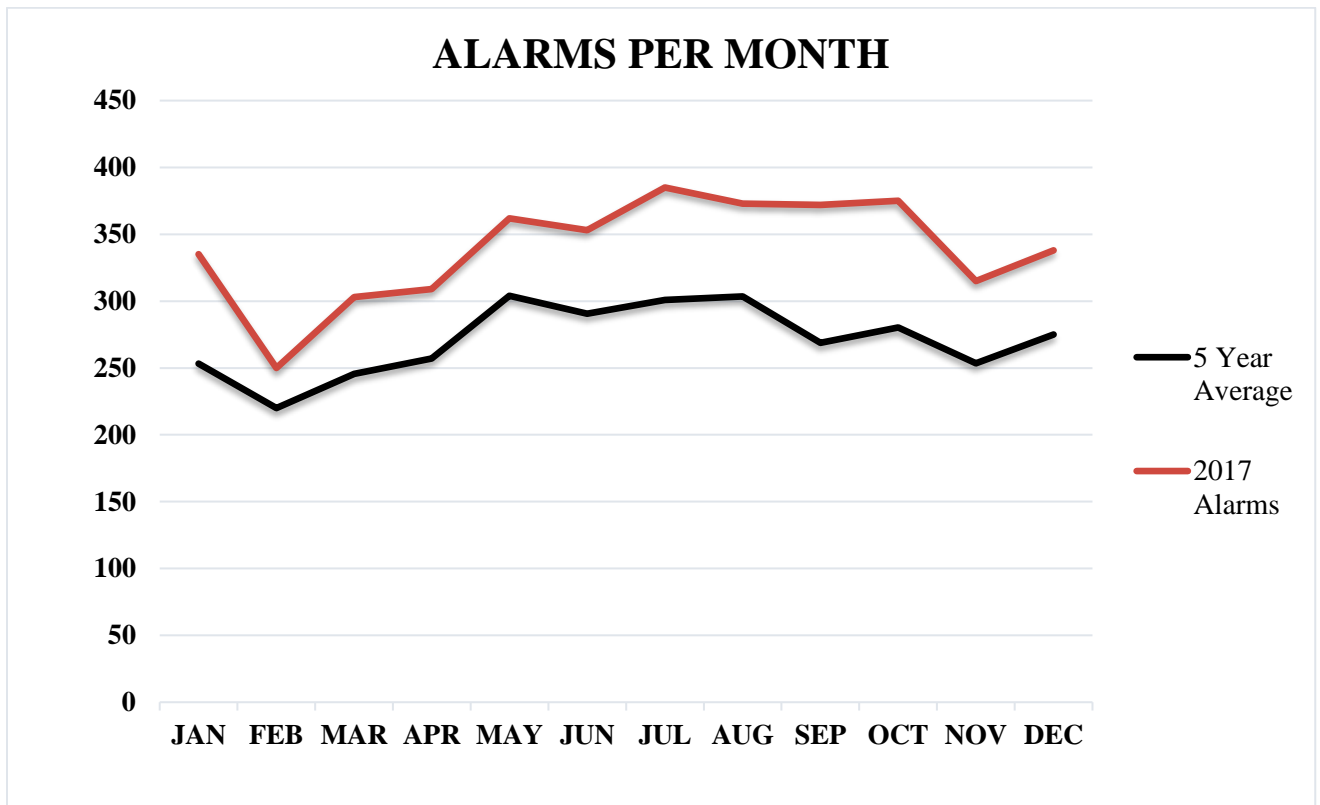


PERCENTAGE OF ALARMS

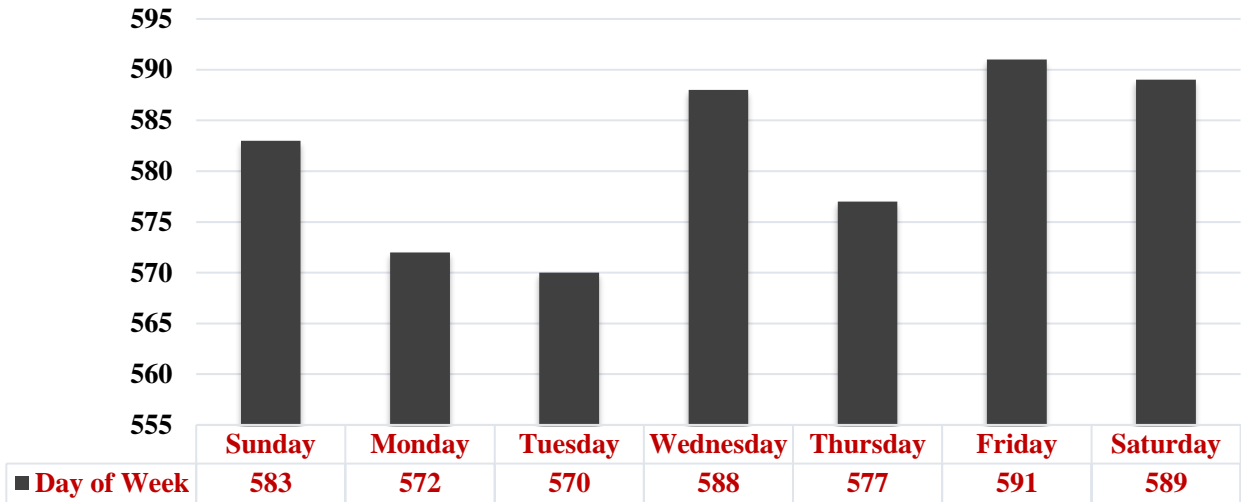


MEDICAL AID ALARMS

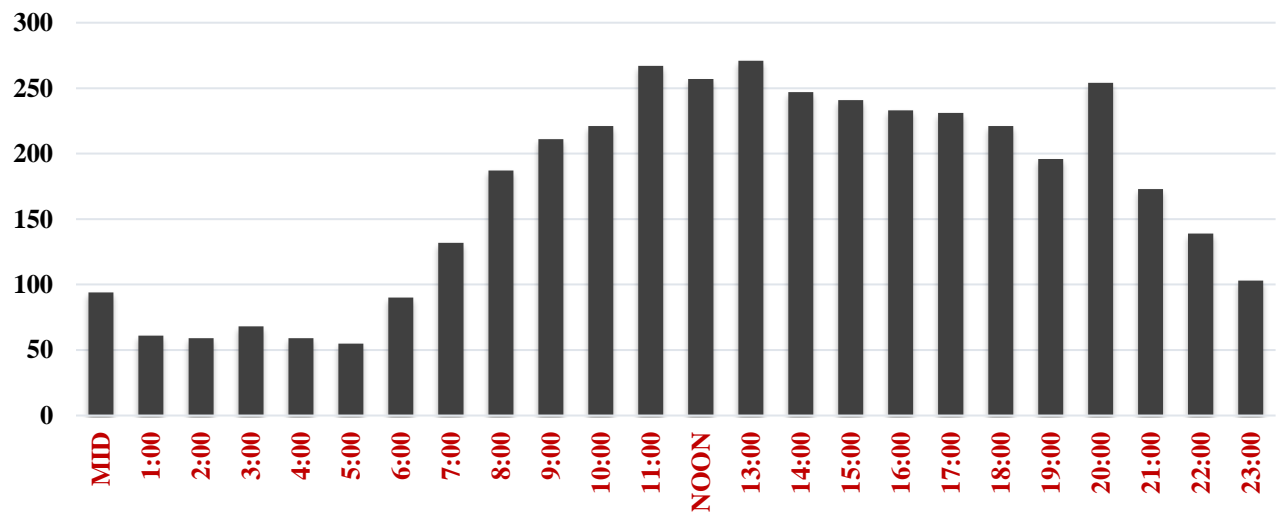




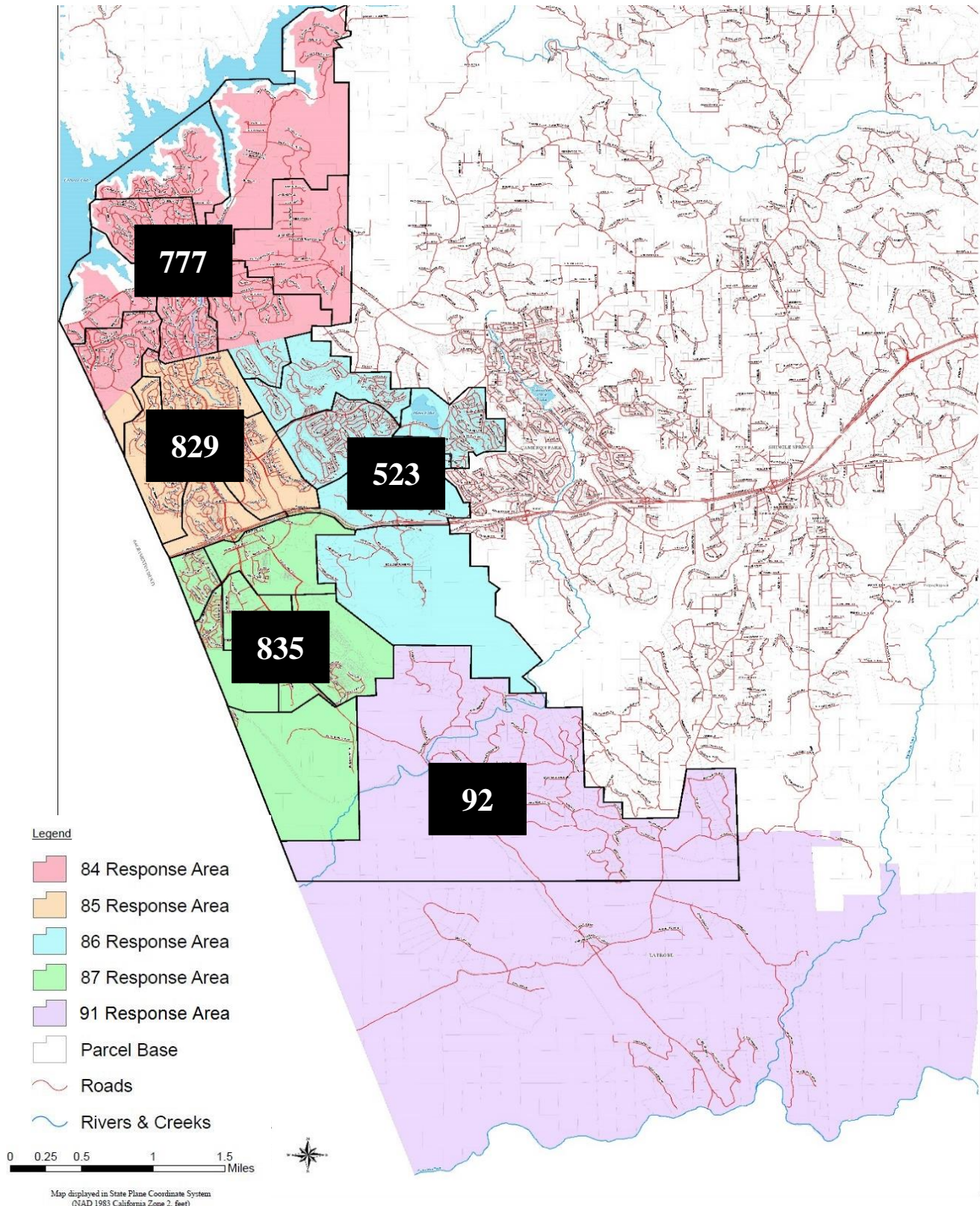
ALARMS PER DAY



RESPONSES BY TIME OF DAY



2017 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 or exceeding 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 Captain 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.

2017 Training Highlights

- Three firefighters certified as CSFM (California State Fire Marshall) Rope Rescue Technicians.
- Eight firefighters certified as CSFM Swiftwater Rescue Technicians.
- Two firefighters certified as CSFM Confined Space Rescue Technicians.
- Six firefighters certified in Low Angle Rope Rescue Operations.
- Five firefighters completed Rescue Systems 1 training (rope systems and building collapse shoring).
- Two firefighters completed advanced Hazardous Materials Technician training.
- Probationary Firefighter Academy (4 new hires).
- Ten firefighters completed Tactical Combat Casualty Course in furtherance of our goal of being fully qualified to address active-shooter incidents by the end of 2018.
- Two firefighters completed state certification as All-Risk Safety Officers.
- Three firefighters completed training as Off-road Emergency Vehicle operations Course (EVOC) Instructors.

SAFETY PERSONNEL TRAINING HOURS

Last	First	Total Training Hrs.
Ali	Mark	347.5
Anselmo	Thomas	247.0
Austerman	Rob	372.2
Baldwin	Jacob	424.9
Beckett	Matthew	263.3
Belleci	Matthew	374.8
Bennett	Ryan	422.8
Bichel	Todd	267.8
Bohanan	Lucas	374.0
Brady	David	112.0
Brown	Ryan	246.0
Burvant	Lantz	318.8
Cowles	Benjamin	486.8
Cummins	Jeffrey	234.0
Eckhardt	Mathew	527.5
Ferlini	Hank	209.8
Ferry	Bryan	374.8
Gove	Steven	243.4
Gregory	Adam	478.8
Gygax	Michael	363.5
*Hasemeier	Russell	128.5
Hathaway	Ryan	212.8
Hemstalk	Dale	457.8
Johnston	John	212.9
Karnow	Robert	290.7
Landry	Christopher	393.9
LeBlanc	Michael	216.8
Leduc	Brian	412.9
Lorence	Don	395.5
Lovinger	Michael	280.8
Lowe	Brian	410.7
MacKenzie	Michael	329.3
MacKenzie	Robyn	312.0
#Mason	LisaMarie	87.3
#Merino	David	5.0
Minnich	Stacy	204.8

Last	First	Total Training Hrs.
Moreno	Antonio	191.8
Morgan	Murray	295.3
#Nelson	Daniel	362.3
Owens	Kasey	438.2
Phillips	Raymond	237.3
Schlange	Kevin	333.1
Scroggins	Drew	235.3
Sickenberger	Christopher	401.7
Smith	Jason	346.3
Sommercamp	James	267.3
Stiern	Carmen	242.8
Storz	Chris	133.1
Tiffany	Adam	420.8
Tyson	Zachary	210.3
Vandalen	John	429.7
Ward	Dave	279.4
*Ward	Sean	14.5
Warren	Brenton	314.5
Wesson	Phillip	268.3
Wilkey	Brian	361.8
Zarback	Thomas	635.7
Zellhoefer	Jon	382.8
Total Hours for Safety		17843.0
Average Hours for Safety		307.6
Average Hours for Safety Only w/o #*		325.4

<u>INTERNS</u>		
Domashuk	Roman	50.0
Woo	Austin	123.8
Neu	Johannes	33.5
Total Hours for Interns		207.2
Average Hours for Interns		69.1

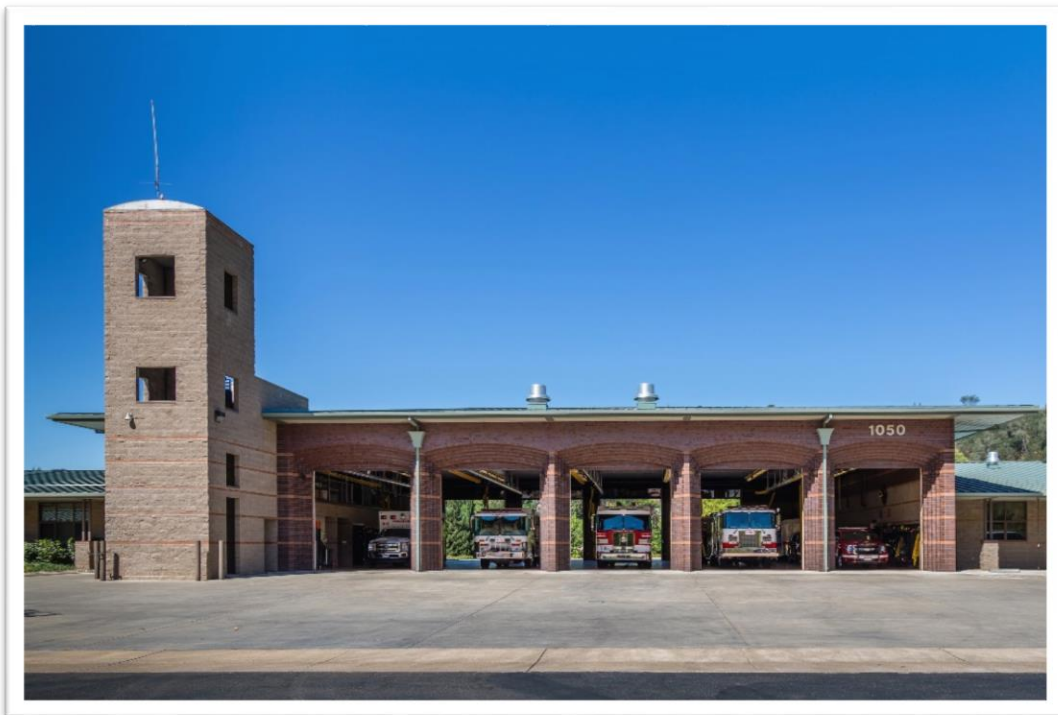
**Left EDH Fire in 2017*

#Long-term absence in 2017

Totals include all on-duty gym time

ADMINISTRATION TRAINING HOURS

Last	First	Total Training Hrs.
Braddock	Jessica	106.5
Burroughs	Christina	84.5
Cox	Marshall	41.5
Cramer	Kristin	65.3
Keating	Thomas	15.0
Kerwood	Timothy	137.5
Layton	Stephanie	95.6
Lilienthal	Mike	162.0
Roberts	Dave	46.5
Selling	Megan	48.5
Skubal	Dan	37.0
Wright	Shannon	87.3
Total Admin Hours		927.1
Average Hours for Administration		77.3



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 16-20 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

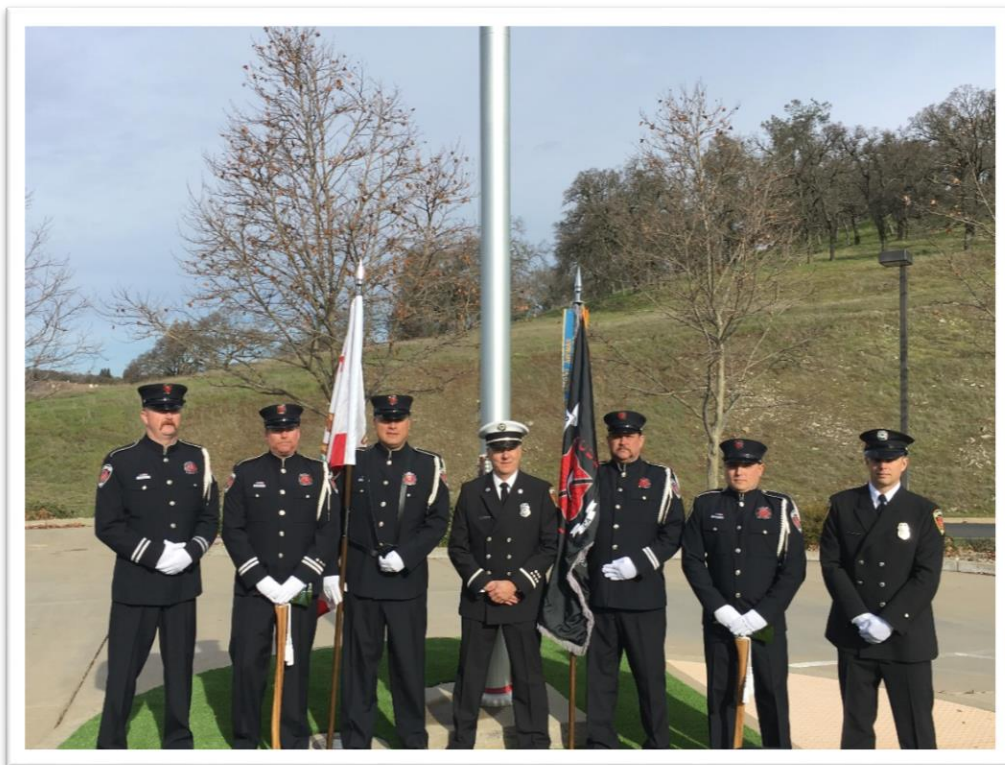
This year marked the El Dorado Hills Fire Department Honor Guard's 13th year of service. It was another year of continuous training and events representing our Department. Every year we remember and honor important people that have served our community and others. A few of those events included:

- Colors posting at Jeff Mitchell Memorial Baseball Field for the El Dorado Hills Little League Baseball opener
- One week DFL Honor Guard training academy for members Brian Leduc and Don Lorence with instructor Matt Beckett
- Colors posting at the El Dorado Hills Senior Center for Veterans Day Honors
- Annual Colors posting at Bertelsen Park

These events continue to represent our motto, "For Those Who Went Before". In 2017, Jason Smith left our guard, but remains an active member of the El Dorado Hills Firefighters Pipes and Drums. We continue to train for future events and look forward to 2018's opportunities to serve.

We thank the El Dorado Hills Fire Department and its members for always supporting us in our mission of taking care of the fallen and honoring our colors...we stand!

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.

The year 2017 was a great year for the Pipes and Drums. We had the honor to participate in the 31st annual Fallen Firefighters Memorial in Colorado Springs. The event was a huge success and the band hopes to participate for years to come. The Pipes and Drums continues its quest to honor those who have fallen as well as the community of El Dorado Hills. We look forward to 2018!

Ne Oublie,

Brian Wilkey
Band President EDHFFP&D





Fire Prevention and Safety

Fire Prevention

In 2017, the Fire Prevention Division has once again experienced an increased demand for prevention services. This demand includes increases 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 Layton (Fire Inspector II). The division added new technology in 2017 that included a new iPlan Table which allows all aspects of plan review to be completed faster and more efficiently than paper plans. “Going digital” has not only helped serve the Prevention Division’s mission of accurate and timely reviews, but has also allowed us to better serve our community members. Digital plan submittals allow them to save time, fuel and printing costs while providing a secure way to email their plans electronically or use a DropBox account for plan links.

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

	<u>EDH 2016</u>	<u>EDH 2017</u>
Building Permits for Expanded Homes	51	19
Residential Homes	582	596
Commercial Structures	3	8
Replacement Buildings	14	1
Solar Arrays	16	1168
Tenant Improvements	50	62
New Sq. Ft. Buildings added	2,904,114	3,689,496
Development Fees Collected	\$2,587,394	\$2,810,679
Plan Fees Received	\$41,697	\$81,183

**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 complete and operations training has been conducted with our crews. The Town Center El Dorado Hills Apartments, Pavilions Memory Care, Westmont Living Facility, Oakmont Living Facility, Montano De El Dorado II expansion, and the many new residential subdivisions that are actively moving through the various Prevention Division processes will lead to a very demanding 2018. This includes construction plan review, inspections, and testing of numerous buildings throughout the District.

In 2017, we implemented iPads and the FireHouse Inspector application to help streamline the inspection and data syncing processes. This proved to be better than expected and will be streamlined even more in 2018 with FireHouse inspections now more in alignment with crew response areas. Hydrant inspections on the iPad are the next big task ahead of Prevention for 2018. We are working with El Dorado Irrigation District to update all GIS maps by inspection District per station and shift.

Prevention programs ran strong, fast, and smooth as we closed out 2017. These programs include Business Inspections, Hydrant Inspections, Public Education, Buckle Up Baby, Vacant Lots, Hazard Reductions, Fire Prevention Officers, and Fire Safe Councils.

As the only fire safe council in El Dorado Hills, Lakehills Fire Safe Council manages projects that reduce the risk of wild fire in our number 1 target hazard area: Lakehills. The fire 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 deserves special acknowledgement, year in and year out.

Public Education has room to expand into the elderly community as the demographic grows in EDH over the next few years. Prevention will monitor the need and demand and may require additional resources to allow for program growth as it expands past current prevention resources.

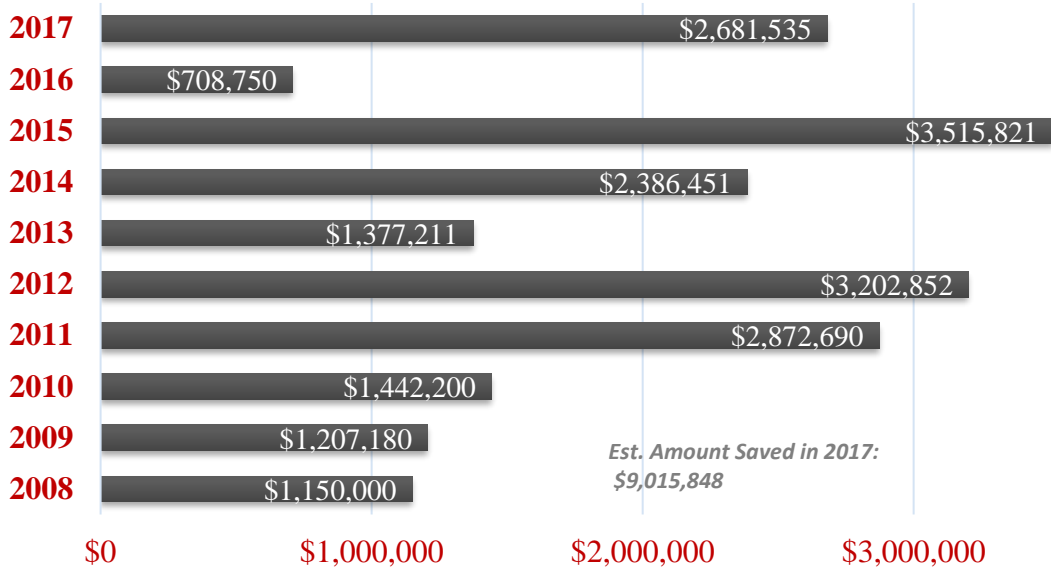
It is important for those that reside and work in El Dorado Hills to know that the Prevention Division is committed to ensuring their safety. Fire prevention and safety is a team effort between the Fire Prevention Division, Firefighters, and our valued community members. We remain dedicated to working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



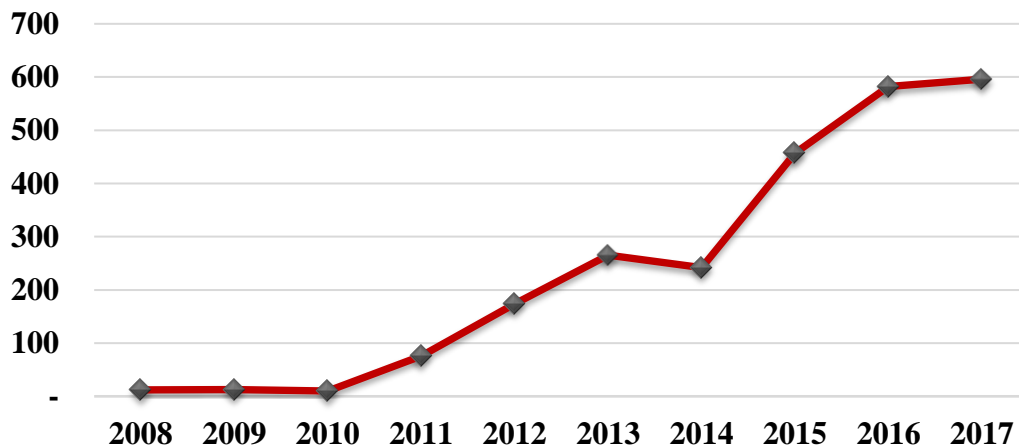
Smoke Detector Giveaway 2017

ANNUAL FIRE LOSS

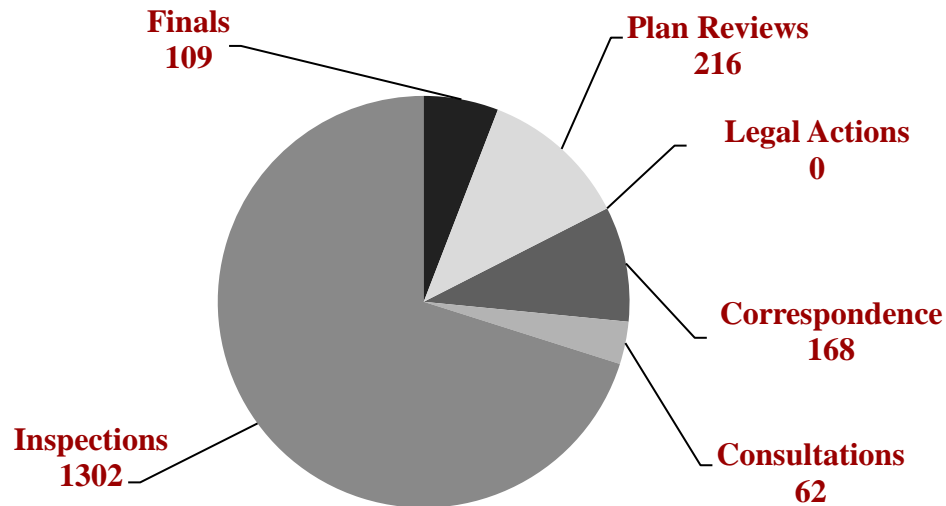
(Estimated Dollar Loss)



ANNUAL RESIDENTIAL FIRE SPRINKLERS



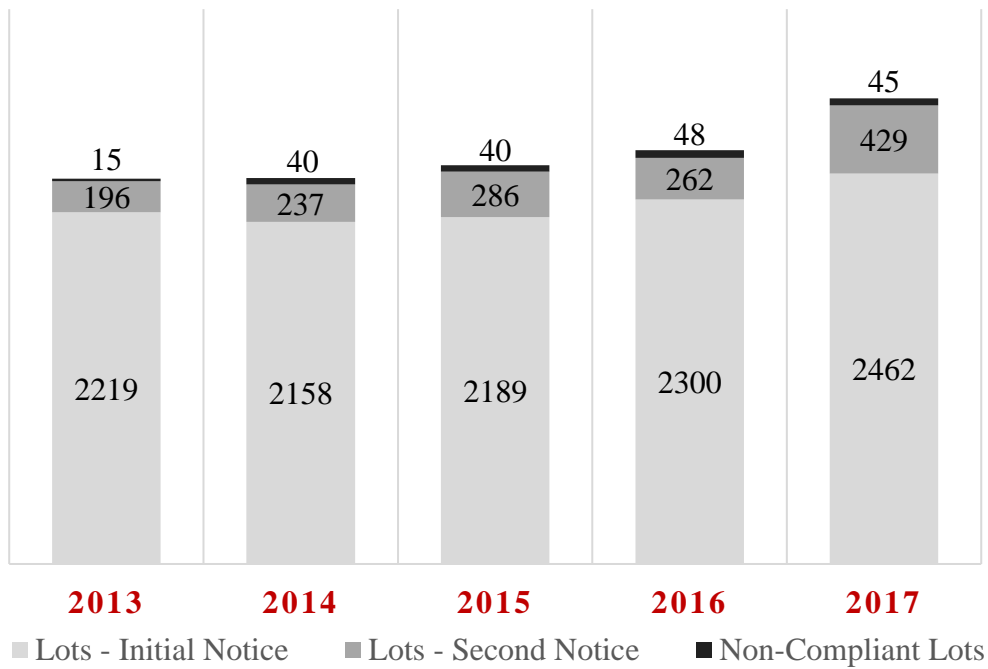
2017 FIRE PREVENTION ACTIVITIES



FIRE PREVENTION ACTIVITIES OVERVIEW

Activity	Description	2013	2014	2015	2016	2017
Correspondence	Business License Applications, Fire Flow, etc.	68	114	130	147	168
Consultations	Special Events, RCFE's, Sprinklers, Gates, etc.	48	97	112	96	62
Inspections	Fire Protection, Testing, Gates, Building, Construction, Knox Keys, Occupancy, etc.	574	614	697	803	1302
Finals	Commercial/Residential Building Plans, Rural Water Storage, etc.	62	45	72	61	109
Plan Reviews	Fire Alarm, Fire Sprinkler, Tenant Improvement, etc.	176	176	346	210	216
Legal Actions		n/a	n/a	2	4	0
TOTAL		928	1046	1359	1321	1857

VACANT LOT PROGRAM

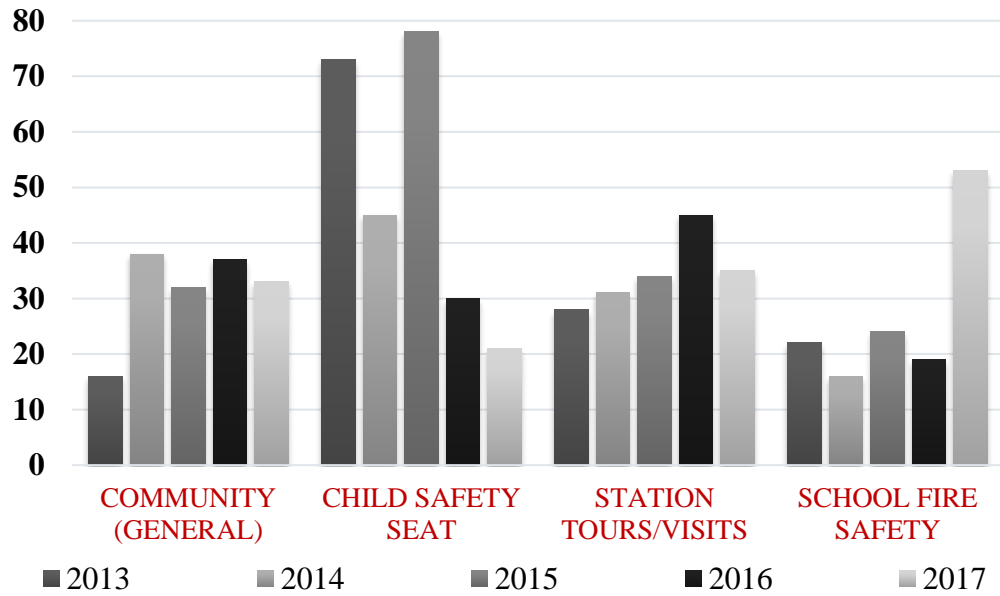


HAZARD REDUCTION PROGRAM INSPECTIONS



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	20,635 Miles
	Air/Light Support			

8552	2005 Ford F350			
RESCUE 84	4x4 Water Rescue	N/A		17,279 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	22,690 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	16,631 Miles

8558	2015 Ford F-550		Advanced	Reserve Medic
M-285	Arrow	N/A	Life Support	Vehicle Accidents
JPA	Ambulance			92,480 Miles

8559	2016 Ford F-550		Advanced	Medical Aids
M-85	Arrow	N/A	Life Support	62,049 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	41,523 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	31,623 Miles

UNIT #	YEAR -CHASSIS MFG -TYPE	HOSE LOADS	TANK & PUMP CAPACITY	ALARM RESPONSE MILEAGE
8570	2003 Spartan	700' 5"	500 Gallons Water	Reserve
E-285	Ferrara	500' 3"	1500 G.P.M.	92,524 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	81,129 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	70,382 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	64,252 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	53,988 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.	28,025 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	10,280 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
				38,160 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	38,270 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	82,613
8532	2016	Explorer	Staff Vehicle	Prevention Officer	5,105
8533	2016	Explorer	Staff Vehicle	Prevention Officer	13,200
8534	2015	Chevrolet Tahoe	Staff Vehicle	Deputy Chief	37,284
8535	2015	Chevrolet Tahoe	Staff Vehicle	Fire Chief	26,724
8536	2015	Chevrolet Tahoe	Staff Vehicle	Duty Chief (new)	21,533
8539	2005	Ford F-250	Pickup 4x4	Strike Team/Utility	91,167
8541	2006	Ford F-250	Pickup 4x4	Strike Team/Utility	71,562
8542	1999	Ford F-350	Utility Bed	Prev. Trailer/Utility	7,622
8544	2003	Ford Expedition	Staff Vehicle	Fire Marshal	99,526
8546	2003	Ford Expedition	Staff Vehicle	Prevention Officer	129,070
8548	2003	Ford Expedition	Staff Vehicle	Strike Team/Utility	107,816
8549	2003	Ford Expedition	Staff Vehicle	Admin BC	136,855

