

2019 ANNUAL REPORT



EL DORADO HILLS FIRE DEPARTMENT

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Dear Directors and Community Members:

As I reflect over 2019, I am pleased and proud of the accomplishments of the El Dorado Hills Fire Department and the Rescue Fire Department. Our challenges were many, and time and time again, we rose to overcome these challenges. This Annual Report will give the reader a sense of our triumphs and challenges, but it will not provide anywhere near the insight into the incredible men and women who work for this Department. Truly, these are the people who deserve to be recognized for their outstanding contributions to this organization and community.

In today's environment, Fire Departments must be innovative and nimble in order to address current challenges facing the fire service. In 2019, we began the process of using data, best practices and evidence-based outcomes to move our Department forward.

Over the next year, we'll be working hard to reduce the risk to our communities through public education, enforcement of public safety standards and the elimination of many direct causes of emergency incidents. We recognize that Community Risk Reduction is a better public safety model than simply responding to emergencies.

I am very proud to highlight some key accomplishments that occurred in 2019: 1) The addition of two new employees to our Executive Team - Cora Hall as our Director of Human Resources and Dustin Hall (no relation to each other) as our Deputy Chief of Operations; 2) The Rescue and El Dorado Hills Fire Boards voted to extend the Shared Services Agreement; 3) El Dorado Hills Fire Department purchased two new fire simulation sand tables for public education and Firefighter training; 4) Retired City of Folsom Fire Chief Ron Phillips joined us to temporarily fill in as our interim Fire Marshal until a replacement is found; 5) We purchased fire engines for Stations 91 and 83 under the State Assistance for Fire Equipment Act (SAFE ACT).

I am exceptionally proud of the men and women that serve the El Dorado Hills and Rescue Fire Departments; they are all highly skilled professionals who are challenged physically, mentally and emotionally every day. Their passion for serving and their commitment to our mission has become what the community expects. This commitment often comes as a sacrifice to their families, friends and health. We have designed this report to highlight our performance and accomplishments over the past year. I sincerely believe this report will make you proud to live, work, and play in the communities of El Dorado Hills, Latrobe and Rescue.

Respectfully,

Maurice Johnson

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>DATE FIRST ELECTED/APPOINTED</u>	<u>TERM EXPIRES</u>
John Giraudo	President	2016	2020
Jim Hartley	Vice President	2000	2020
Greg Durante	Director	2008	2022
Timothy White	Director	2019	2022
Bobbi Bennett	Director	2019	2020

OTHER BOARD STAFF

<u>NAME</u>	<u>TITLE</u>	<u>START DATE</u>
Mike Cook	Board Counsel	1988
Jessica Braddock	Board Secretary	2015

COMMITTEES

<u>STANDING COMMITTEES</u>	<u>BOARD MEMBERS ASSIGNED</u>
Administrative Committee	Bobbi Bennett Greg Durante
Finance Committee	John Giraudo Tim White
Joint Powers Authority	Jim Hartley John Giraudo



Department Personnel

ADMINISTRATIVE STAFF

Maurice “Mo” Johnson, Fire Chief¹
Mike Lilienthal, Deputy Chief
Dustin Hall, Deputy Chief¹
Jessica Braddock, Director of Finance
Cora Hall, Director of Human Resources¹
Ron Phillips, Interim Fire Marshal¹
Antonio Moreno, Battalion Chief
David Brady, Battalion Chief
John Johnston, Battalion Chief
Mike MacKenzie, Administrative Training Captain
Marshall Cox, Fire Prevention Specialist
Dan Skubal, Fire Prevention Specialist²
Bryce De Witt, Fire Inspector I¹
Megan Selling, Accounting Specialist/Board Clerk
Stephanie Layton, Administrative Assistant II
Kristin Moreno-Cramer, Administrative Assistant II (part-time)
Christina Burroughs, Administrative Assistant II
Shannon Wright, Administrative Assistant (part-time)²
Leslie Hobert, Community Risk Reduction Technician¹
Tim Kerwood, Operations Support Technician²
Devin Newson, Operations Support Technician¹



CAPTAIN/PARAMEDIC

Ali, Mark
Anselmo, Tom
Baldwin, Jacob
Beckett, Matthew
Belleci, Matthew
Cowles, Benjamin
Eckhardt, Mathew
Ferlini, Hank
Hathaway, Ryan
Karnow, Robert
Landry, Chris
Merino, David (Captain/EMT)²
Owens, Kasey
Smith, Jason
Warren, Brenton
Wilkey, Brian
Zellhoefer, Jon²

ENGINEER/PARAMEDIC

Austerman, Robert
Baldwin, Jacob
Belleci, Matthew
Bichel, Todd
Burvant, Lantz
Cummins, Jeffrey
Ferry, Bryan
Gygax, Michael
Hemstalk, Dale
LeBlanc, Michael
Leduc, Brian
Lorence, Don
Mason, LisaMarie²
Ramsey, Thrace
Sommercamp, James
Tiffany, Adam
Ward, Dave
Wesson, Phillip

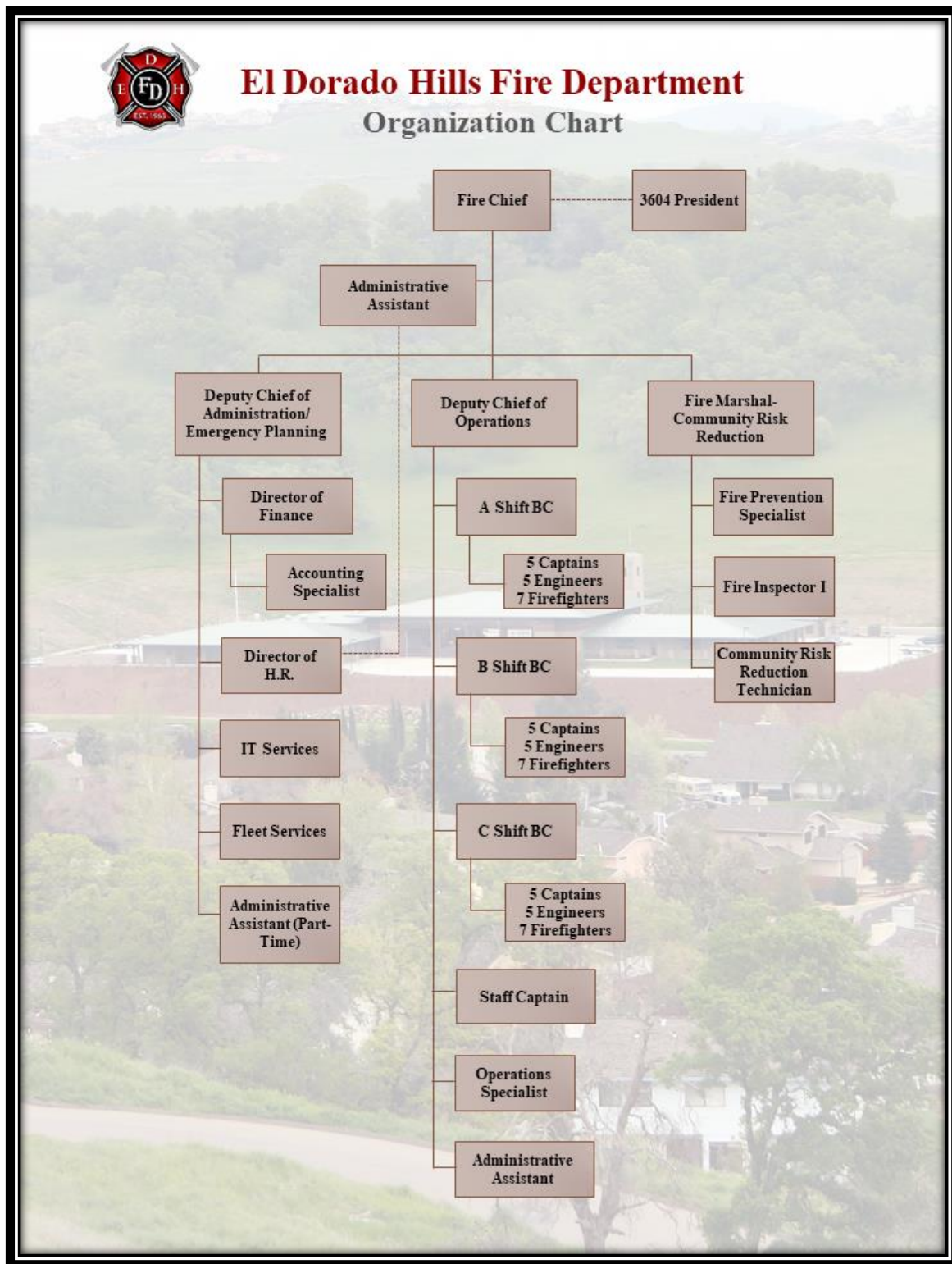
FIREFIGHTER/PARAMEDIC

Bennett, Ryan
Edelman, Richard¹
Forehand, Joseph¹
Gove, Steven
Hartman, Gregory
Huerta, Michael
Jower, Kristopher
Lovingier, Michael
Lowe, Brian
Minnich, Stacy
Nelson, Daniel
Netherton, Mark
Nielsen, Kyle¹
Morgan, Murray
Phillips, Raymond
Schlange, Kevin
Scroggins, Drew
Sickenberger, Christopher
Stiern, Carmen
VanDalen, John
Vogan, Clinton
Willock, Brad
Zarback, Thomas

¹Personnel who were hired in 2019 (see Promotions & Retirements section for details)

²Personnel who departed EDHFD in 2019

Department Organization Chart



Organizational Changes

New Hires

Fire Chief

Maurice “Mo” Johnson

Deputy Chief - Operations

Dustin Hall

Director of Human Resources

Cora Hall

Operations Support Technician

Devin Newsom

Fire Inspector I

Bryce De Witt

Community Risk Reduction Technician

Leslie Hobert

Firefighter/Paramedic

Richard Edelman

Firefighter/Paramedic

Joseph Forehand

Firefighter/Paramedic

Kyle Nielsen

Promotions

Promoted to Captain/Paramedic

Jacob Baldwin

Promoted to Captain/Paramedic

Matthew Belleci

Promoted to Engineer/Paramedic

Brian Leduc

Promoted to Engineer/Paramedic

Thrace Ramsey

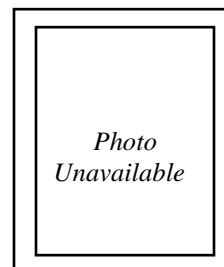
Promoted to Engineer/Paramedic

Adam Tiffany

Retirements



Jon Zellhoefer
Captain/Paramedic
18 years of service

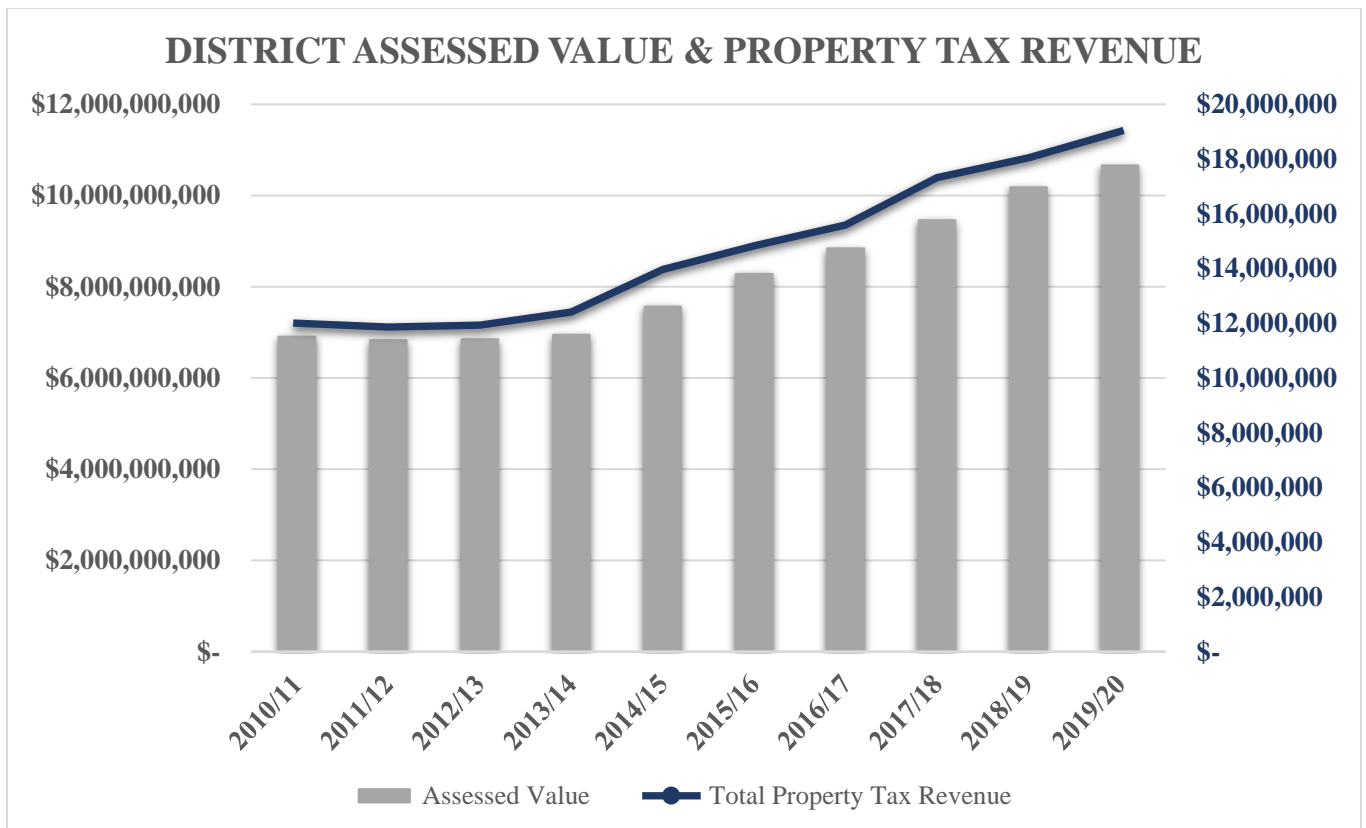


David Merino
Captain/EMT
26 years of service

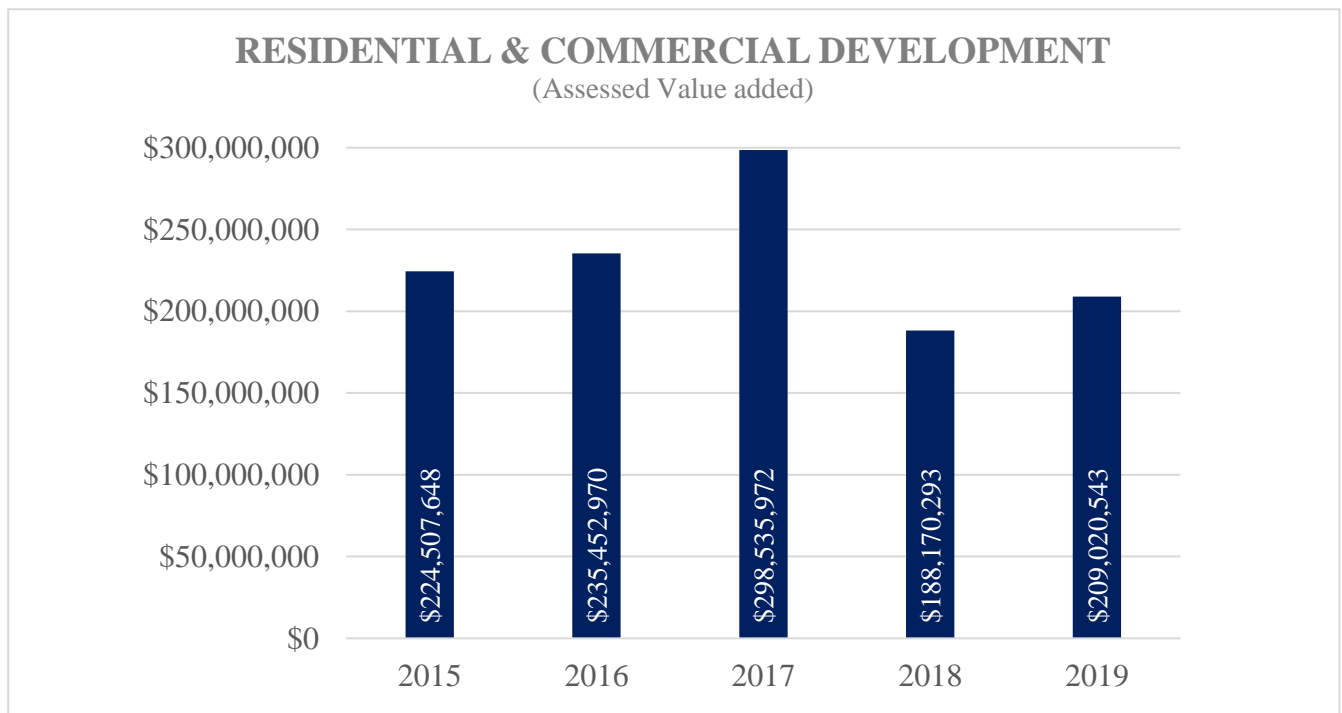
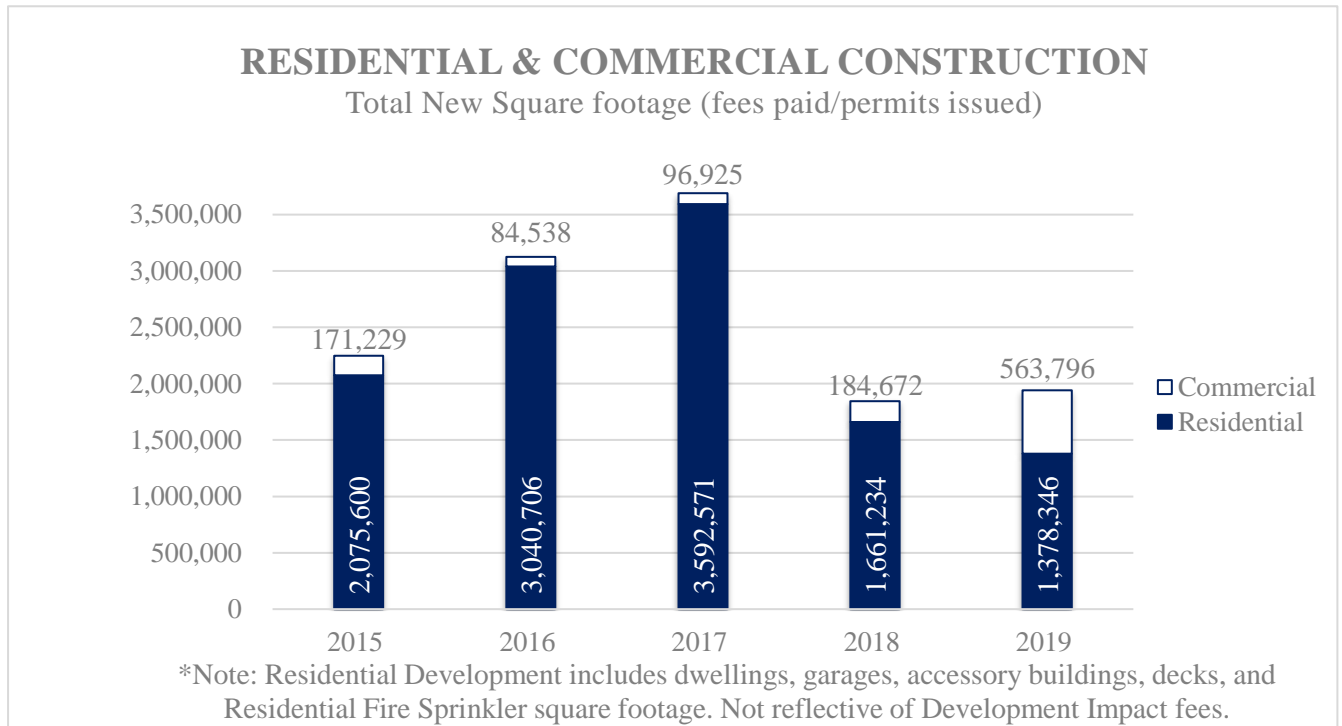
District Growth Summary

The District experienced healthy growth in 2019. Property tax revenue, District assessed value, and development fees all increased from 2018. Highlights are as follows:

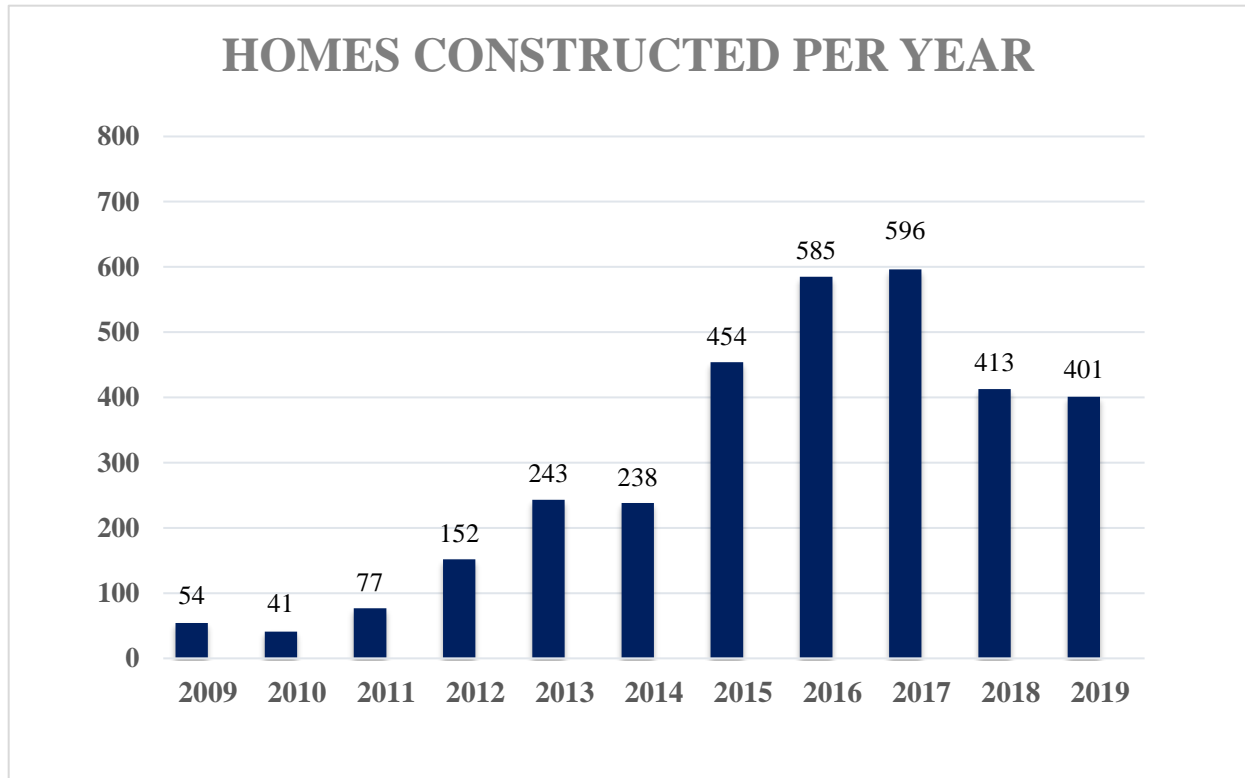
- ❖ The assessed value for the District increased 4.66% in fiscal year 2019/20. This is the seventh consecutive year the District has had an increase in assessed value. The District assessed value has increased an average of 7.1% per year over the past 5 years and 3.68% per year over the past 10 years.
- ❖ The District's property tax revenue, including projections provided by the County, is expected to increase by approximately 4.46% for the 2019/20 fiscal year. Property tax revenue has increased an average of 6.8% per year over the past 5 years and 3.75% per year over the past 10 years.



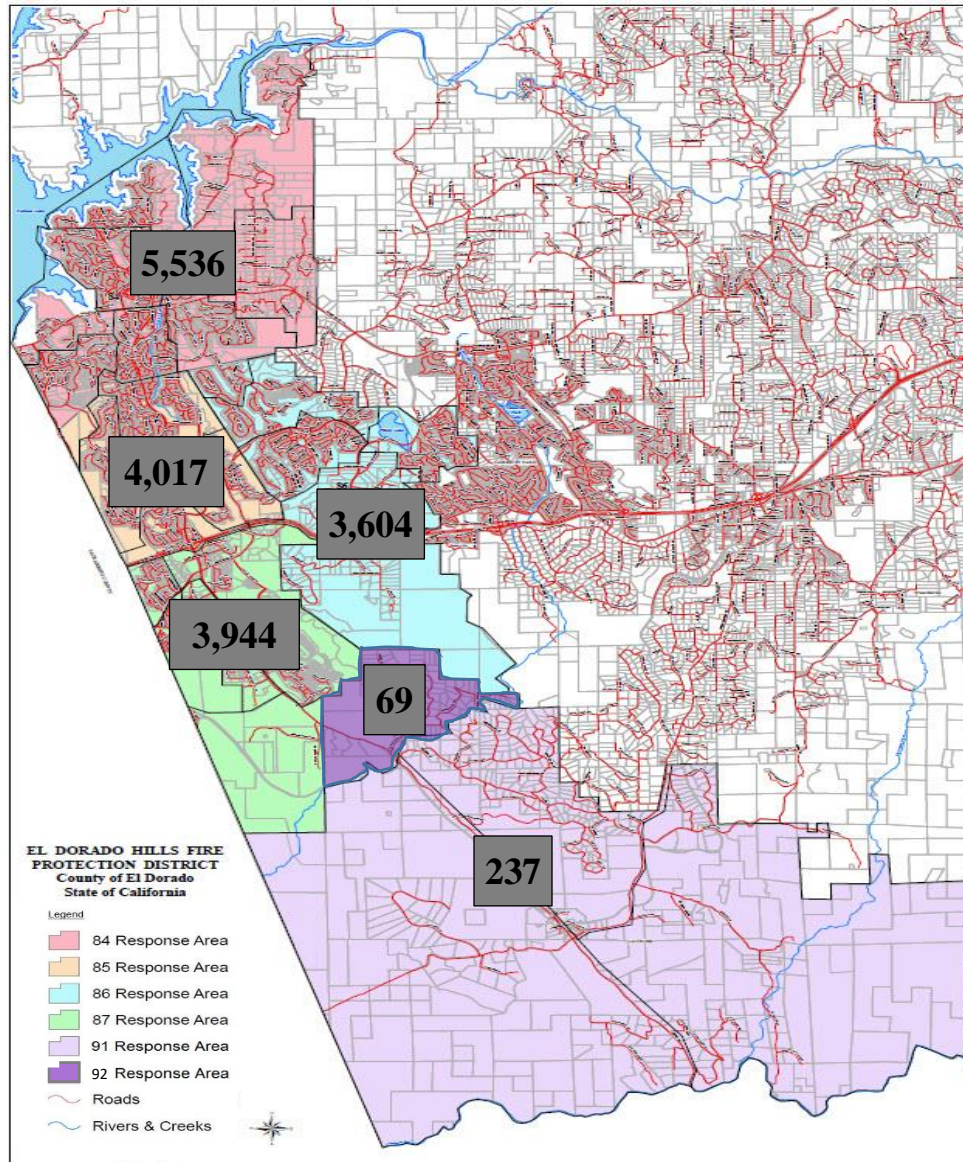
- ❖ Permits were issued in 2019 for commercial development totaling 563,796 square feet, a 205% increase from 2018. Residential development decreased by about 17% in 2019 to roughly 1,378,346 square feet. Residential and commercial development combined added approximately \$209,020,543 in assessed value to the District which is a 11% increase over the assessed value added in 2018.



- ❖ The District added 401 homes in 2019. This was a decrease from 2018 by 12 less homes constructed in 2019. The District had a total of 17,407 homes at the end of 2019.



2019 TOTAL HOMES BY RESPONSE AREA

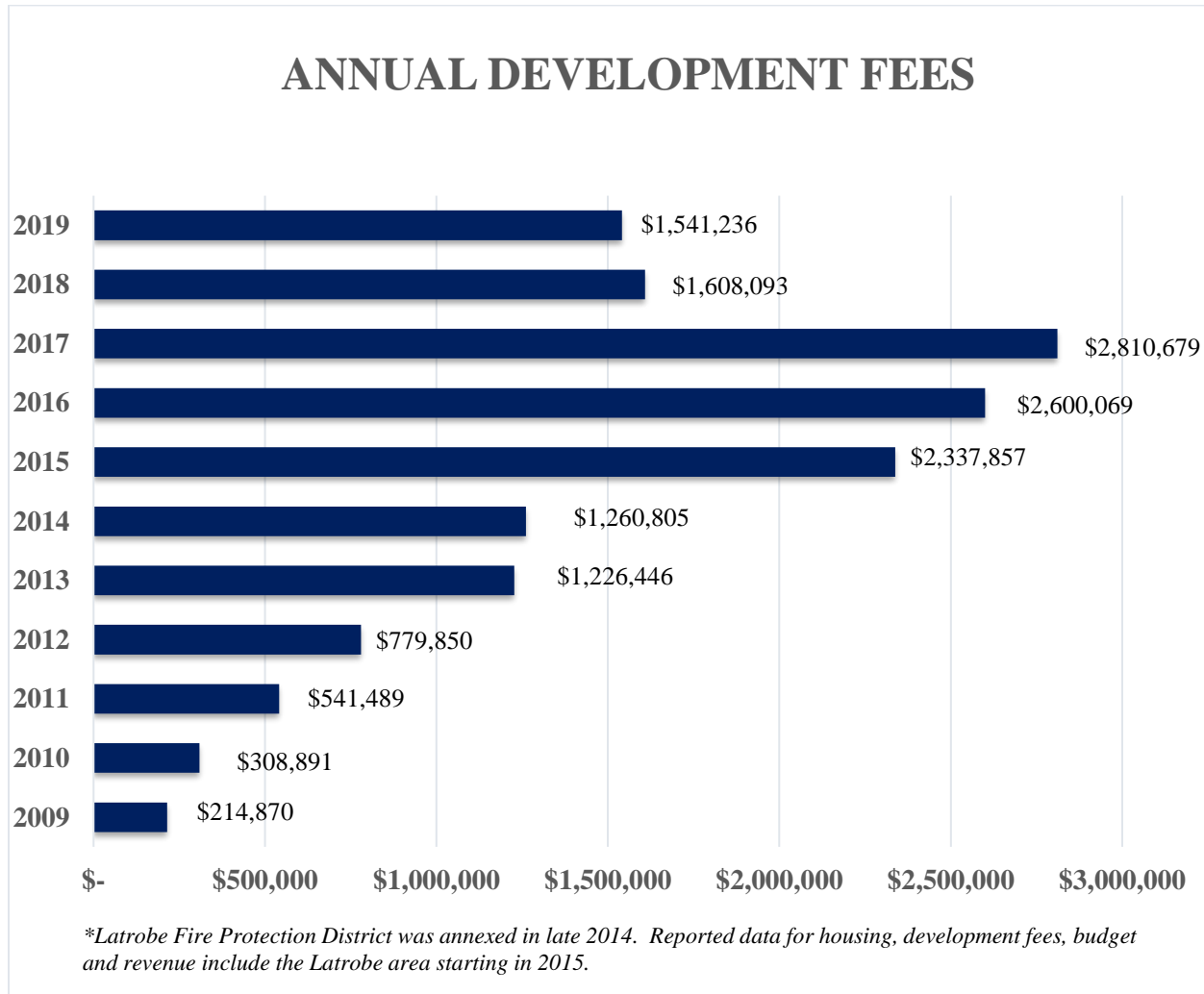


*The totals shown include the new homes developed in this year.

NEW HOMES CONSTRUCTED IN 2019

Station 84	34
Station 85	16
Station 86	158
Station 87	184
Station 91	6
Station 92	3
Total New Homes	401

- ❖ The District billed a total of \$1,541,236 in development fee revenue during the 2019 calendar year.



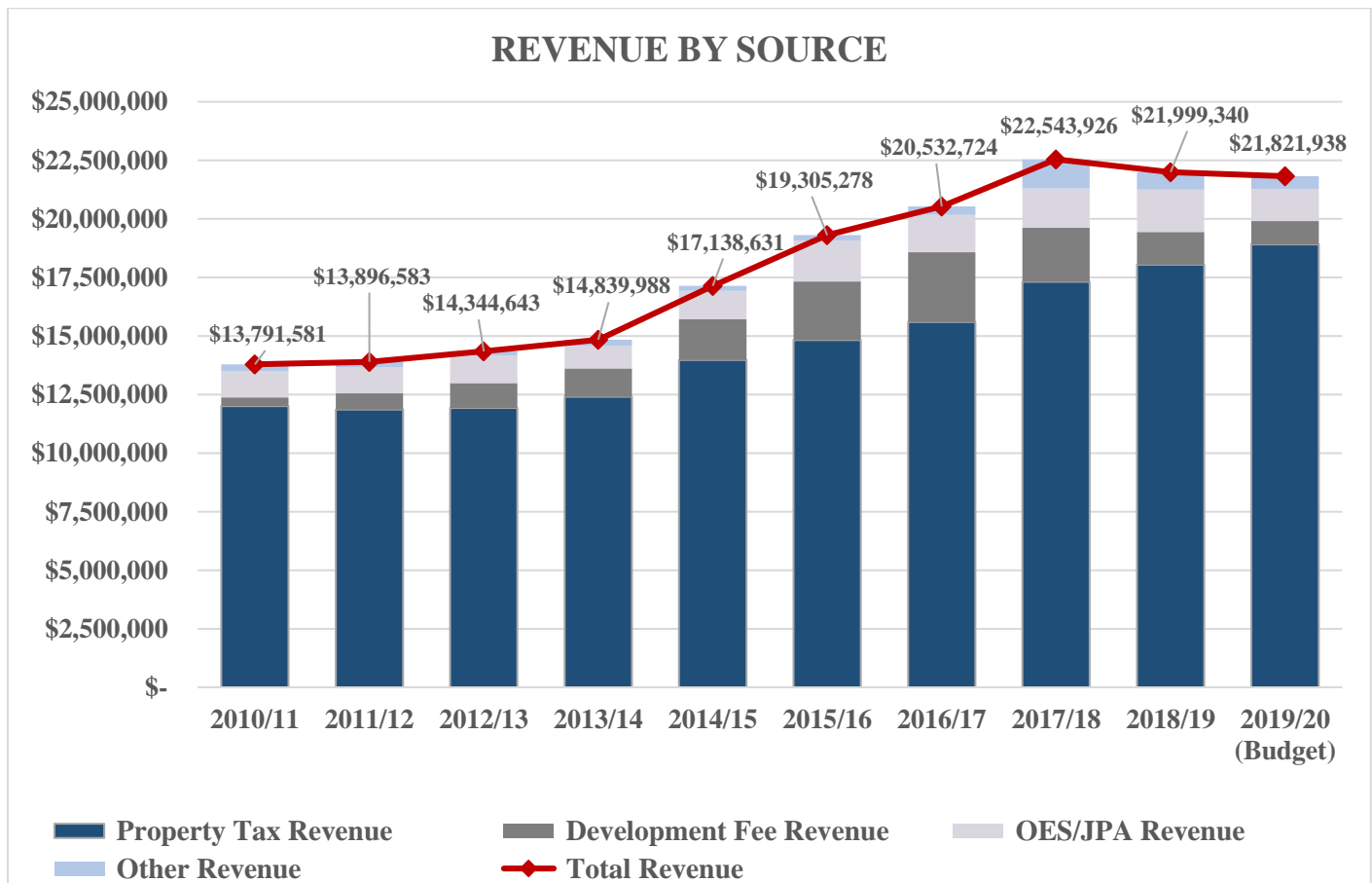
In summary, while new construction and development fee numbers were lower in 2019 than in the preceding years, the District continues to grow steadily at a positive rate and has fully recovered from the economic downturn of 2009. The assessed value of the District is at an all-time high and continues to trend upward. The District remains proactive in meeting the ongoing challenges it faces to manage the growth and development needs of the 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, Expense and Reserve Balances.

REVENUE

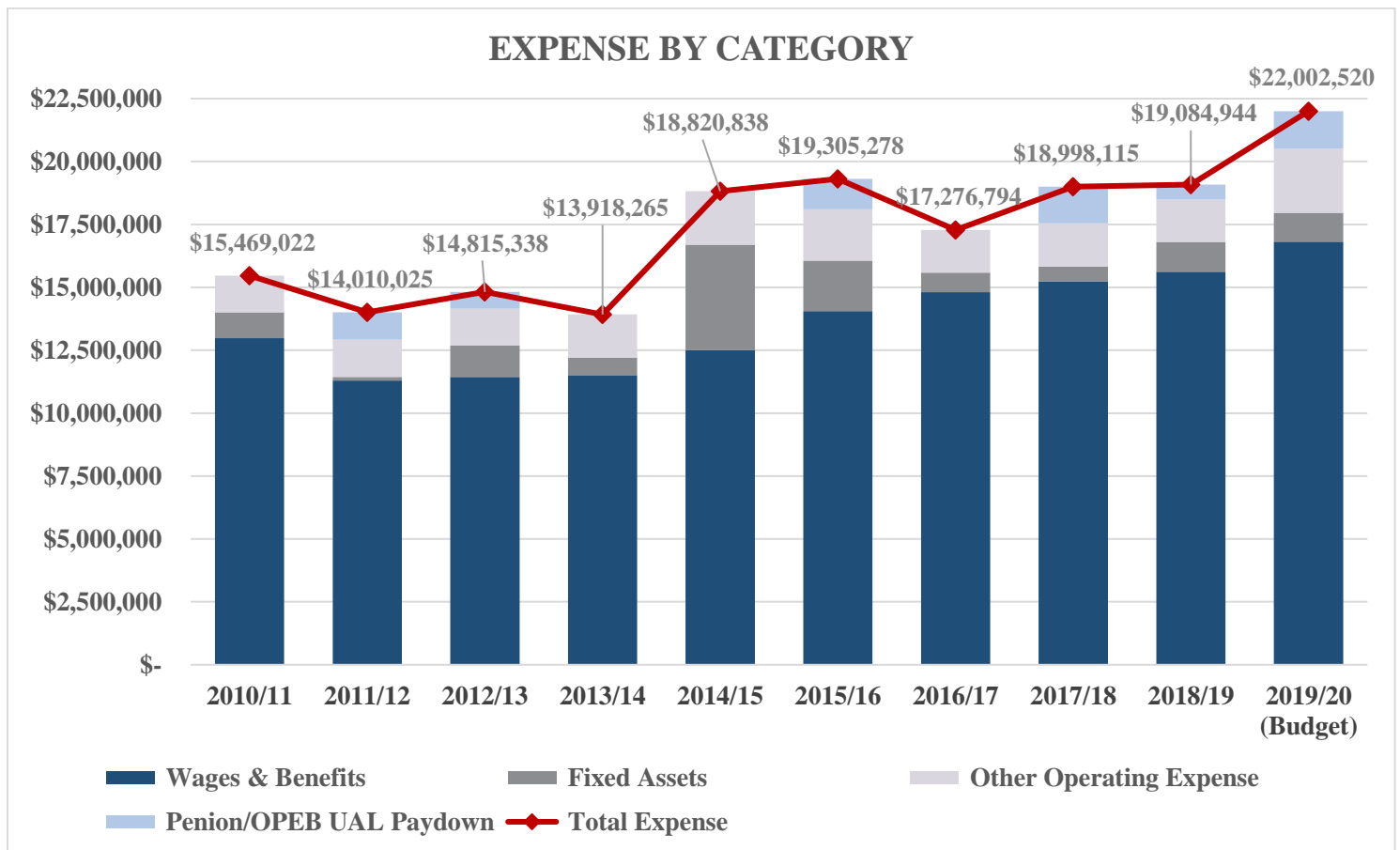
The District's primary source of revenue is property tax revenue, which is projected to make up approximately 86.6% of total revenue in 2019/20. Property tax revenue has steadily increased year over year since its 10-year low in fiscal year 2010/11. While property tax revenue is projected to increase by approximately 5.33% in 2019/20, total revenue is projected to decrease by approximately 0.8%. This slight decrease is partially due to a projected decline in development fee revenue. OES revenue, mostly offset by OES expenses, is also expected to decrease due to a less severe fire season in 2019. JPA revenue is collected based on a fixed rate contract and represents the recovery of actual costs incurred to operate an ambulance. Other revenue is mostly made up of interest income, which has seen an increase in recent years due to rising interest rates but is expected to remain relatively flat in fiscal year 2019/20.



EXPENSE

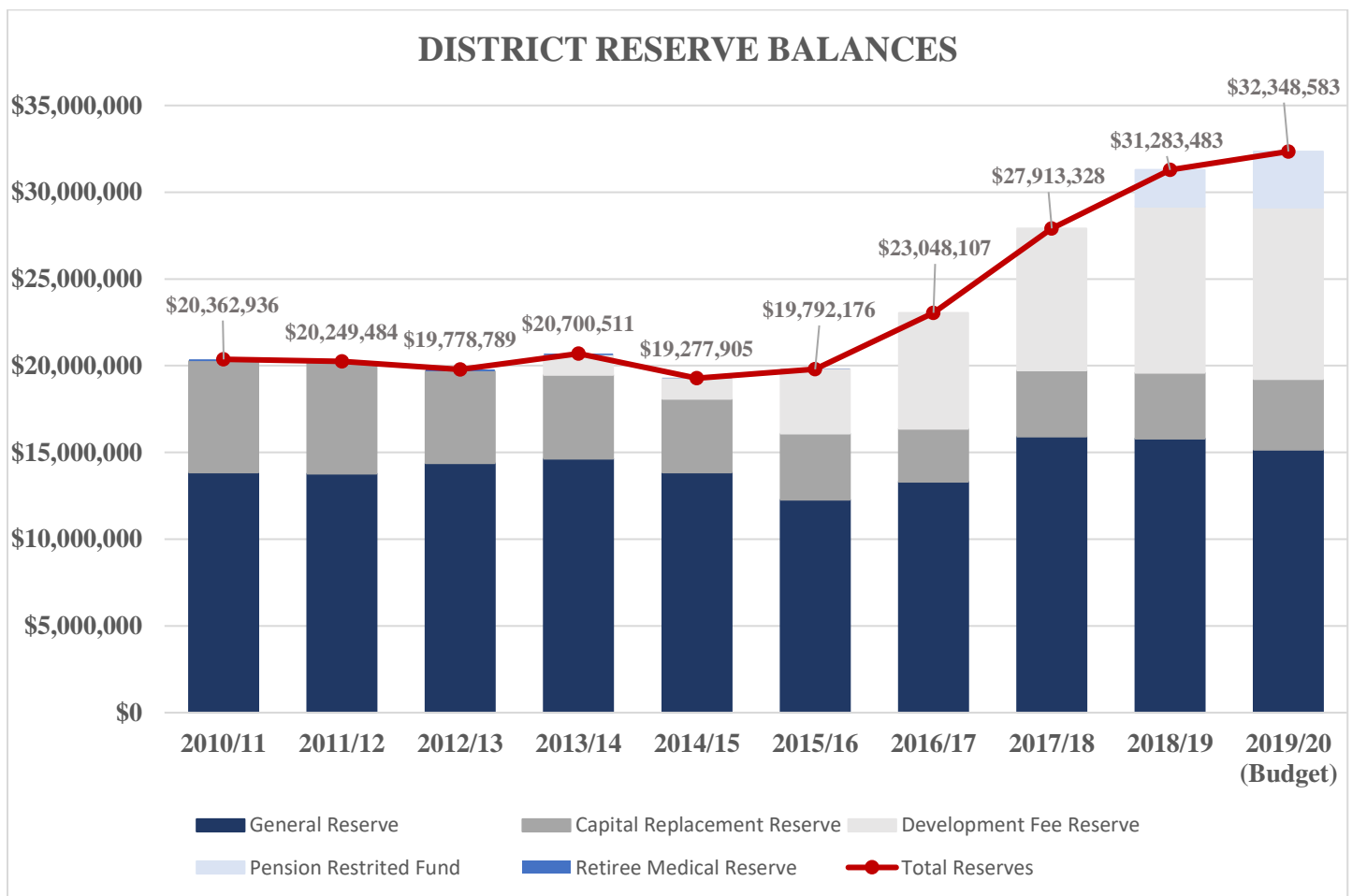
The District prides itself on maintaining control over expenses and on having the ability to adjust and reduce spending when needed. During the years of declining revenue due to the economic downturn, the District underwent significant cost cutting efforts to operate within its means.

Wages and Benefits have increased steadily from fiscal year 2012/13 as the District recovered from the economic recession. This steady increase includes staffing Station 91 after the annexation occurred in late 2014, as well as adding several key positions, which include a Training Officer, a Deputy Chief, a Director of Human Resources and a Community Risk Reduction Technician. Investments in fixed assets have fluctuated over the years depending on the timing of large projects, such as the rebuild of Station 84 in 2014-2016 and a new Type I Engine purchased in 2018/19. 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 spike in total expense budgeted for 2019/20, which is due to an administration reorganization involving the addition of new positions, as well as several one-time expenses. These include furnishing a new Employee Development Center, replacing turnouts, completing a radio engineering study, and purchasing active shooter gear. The District also budgeted discretionary lump sum payments of \$1.5M toward its Pension unfunded liability.



RESERVE BALANCES

The District has historically maintained healthy reserve balances by meeting its Reserve Policy requirement of keeping a minimum of 50% total operating expense on hand in the General Reserve Fund. The 10-year historical trend shows total reserves holding steady at around \$20M from 2010/11 to 2015/16. From 2016/17 on, reserve balances have steadily increased to \$31.2M at the end of fiscal year 2018/19. Balances are projected to rise further to \$32.3M by the end of fiscal year 2019/20. However, these increases are mostly due to growth in the restricted Development Fee and Pension Reserve Funds. Unrestricted General and Capital Replacement Reserve Funds have stayed relatively consistent over the last 10 years. 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.





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.

4,502 CALLS FOR SERVICE

Over the years, the population of our service area has increased and so has the request for service. In the year 2019, the El Dorado Hills Fire Department responded to a total of 4,502 calls for service. This is an increase of 3% from 2018.

\$10,655,210,149 ASSESSED VALUE PROTECTED

The Department protects over \$10 billion dollars in assessed land and structure value, which is the highest value in all El Dorado County. In 2019, the Department responded to 129 fire incidents with a total property valuation of \$21,425,764. Fire incidents caused approximately \$2,493,015 in property dollar loss, with \$18,932,749 property value saved. This savings can be attributed to the Department’s high level of training and commitment to provide exceptional levels of service.

50,000 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	5
111	Building fires	19
112	Fire in a structure other than a building	1
113	Cooking fires	4
114, 115, 116, 117, 118, 120	Fires other than building or transportation	8
121	Mobile home used as a fixed residence	0
131	Passenger vehicle fire	18
122, 130, 132, 133, 134, 135, 136, 137, 138	Transportation fires other than vehicles	5
140, 141, 142, 143	All vegetation fires	45
150, 151, 152, 153, 154, 155	Rubbish and dumpster fires	14
160, 161, 162, 163, 164, 170, 171, 172, 173	Other outside fires	10
TOTAL FIRE INCIDENTS		129

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	2
240, 241, 243	Fireworks or bomb explosion (no fire)	0
251	Excessive heat, scorch with no ignition	0
TOTAL OVERPRESSURE, RUPTURE & EXPLOSION		2

EMS & RESCUE INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
300, 311, 320	Rescue, EMS incident, other	5
321, 321G	EMS Call, excluding vehicle accident	1414
321T	Trauma	406
321C	Cardiac	225
321R	Respiratory	173
321X	Transfers	229
322, 323, 324	Motor vehicle accidents	241
331	Lock in	6
350	Extrication, rescue, other	1
353, 357	Extrication from machine/elevator	1
342, 360, 361, 363, 365	Water rescues	3
371	Electrocution	0
321N	EMS call, cancelled at scene	65
381	EMS standby	1
TOTAL EMS & RESCUE INCIDENTS		2,770

HAZARDOUS CONDITION (No Fire)		
Incident Report System Codes	Category Description	# of Incidents
400	Other	3
410, 411, 412, 413	Flammable liquids and gas spills	34
420, 421, 422, 423	Toxic and chemical spills	0
424	Carbon monoxide calls	2
440, 441, 442, 443, 444, 445	Electrical hazards	26
451	Biological hazards	0
460, 461, 462, 463, 471, 480, 481, 482	Building/vehicle and other hazards	7
TOTAL HAZARDOUS CONDITIONS		72

SERVICE CALLS		
Incident Report System Codes	Category Description	# of Incidents
500	Service calls	9
510, 511, 512	Distress, lock-outs, jewelry remove	52
520, 521, 522	Water incidents	26
531	Smoke removal	20
540, 541, 542	Animal problems	378
550, 553, 554	Public assists	240
551, 552	Law assists	8
555, 561, 571	Elevator, unauthorized burning, standby	51
TOTAL SERVICE CALLS		784

GOOD INTENT INCIDENTS		
Incident Report System Codes	Category Description	# of Incidents
600	Other	3
611, 621, 622	Cancelled enroute, wrong location	475
631, 632, 641, 650, 651, 652, 653	Fire, smoke, odor	29
661	EMS (PT self-transport)	2
671, 672	Haz-mat, biological investigation	4
TOTAL GOOD INTENT INCIDENTS		513

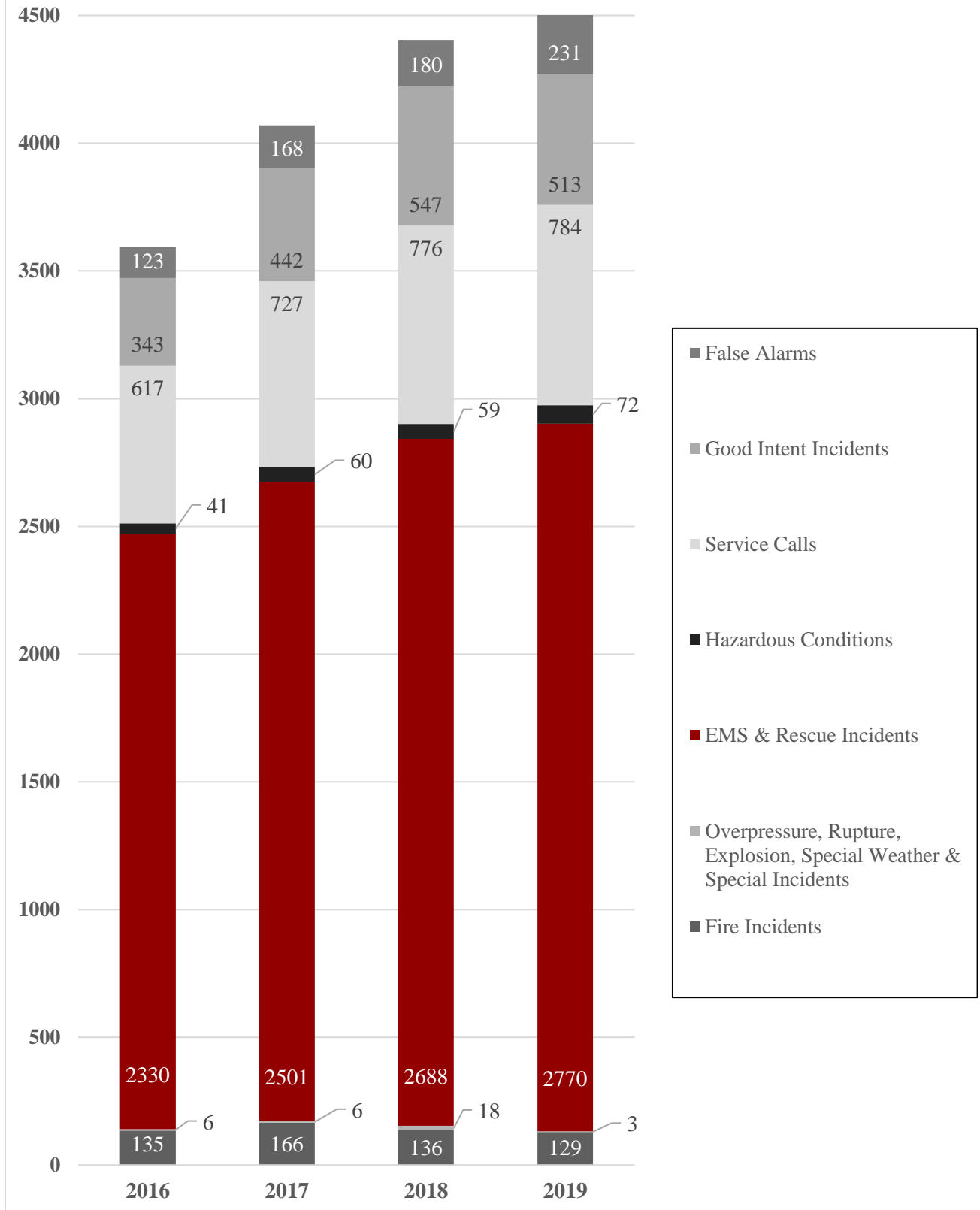
FALSE ALARMS		
Incident Report System Codes	Category Description	# of Incidents
700	Other	14
710, 714, 730, 731, 732, 733, 734, 735, 736, 740, 743, 744, 745, 746	System/device malfunction	217
741, 742, 751	Sprinkler/extinguisher system activation	0
TOTAL FALSE ALARMS		231

SEVERE WEATHER		
Incident Report System Codes	Category Description	# of Incidents
800	Other	0
812	Flood	1
813	Wind	0
TOTAL SEVERE WEATHER		1

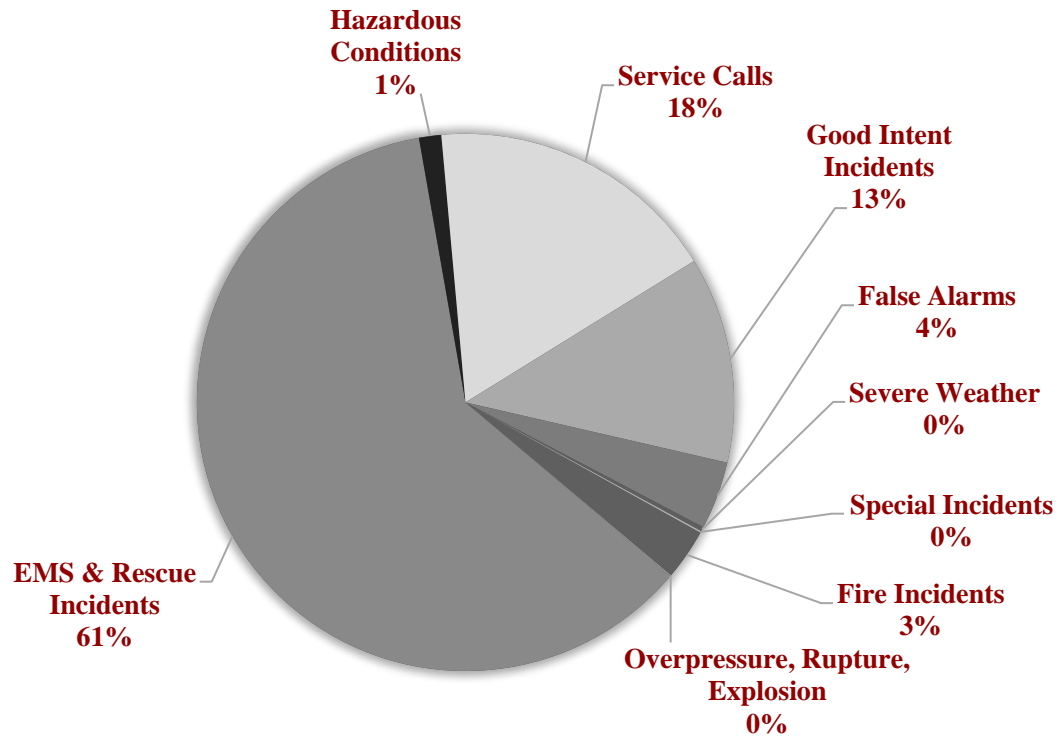
SPECIAL INCIDENT TYPES		
Incident Report System Codes	Category Description	# of Incidents
900, 911	Special type of incident, other	0
SPECIAL INCIDENT TYPES		0

TOTAL INCIDENTS: 4,502

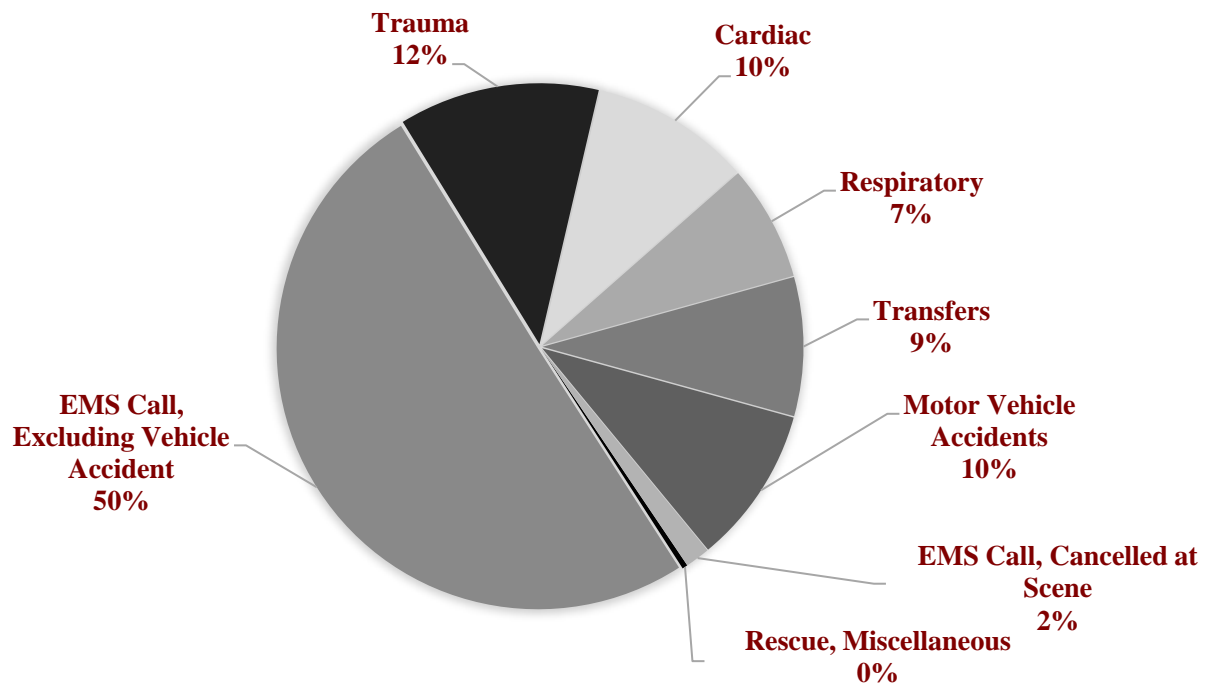
TYPE OF INCIDENTS BY YEAR

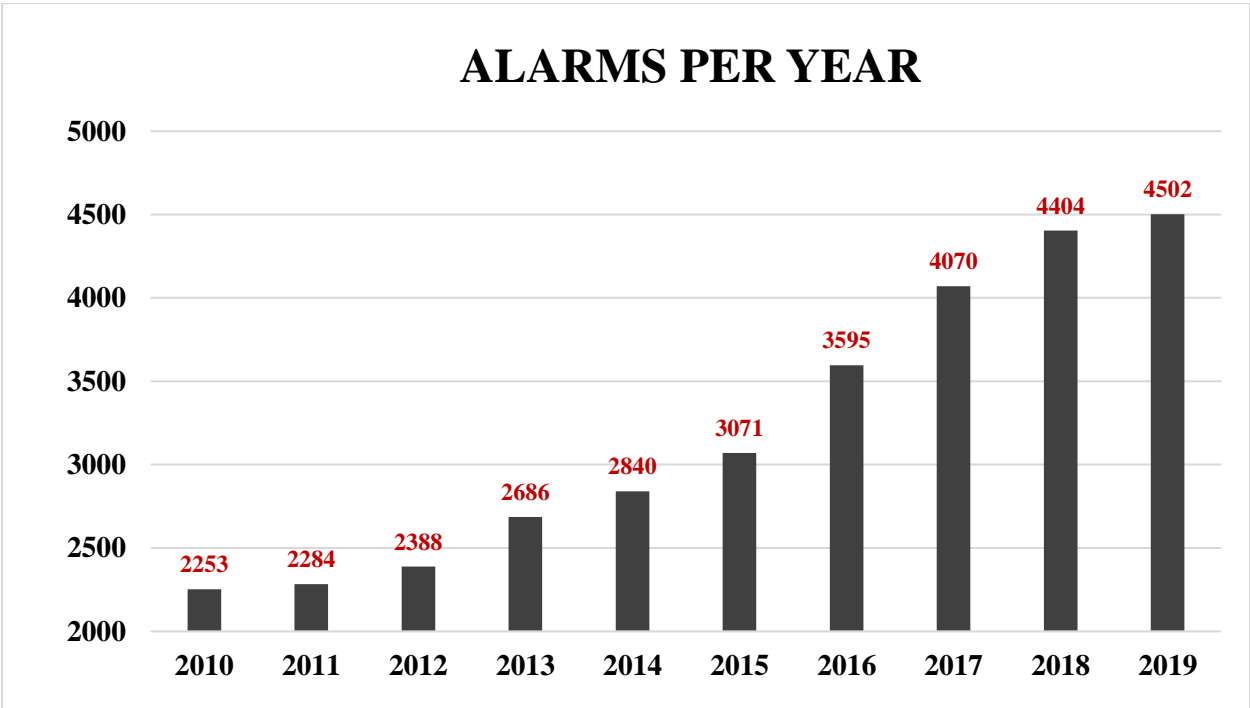
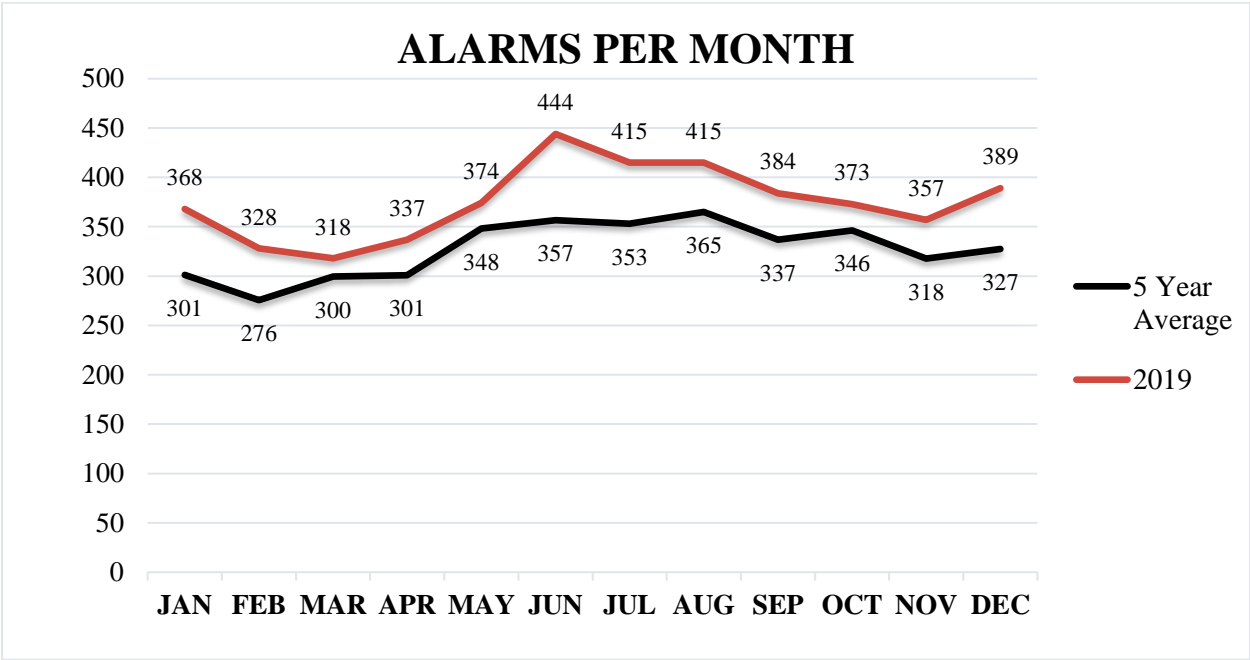


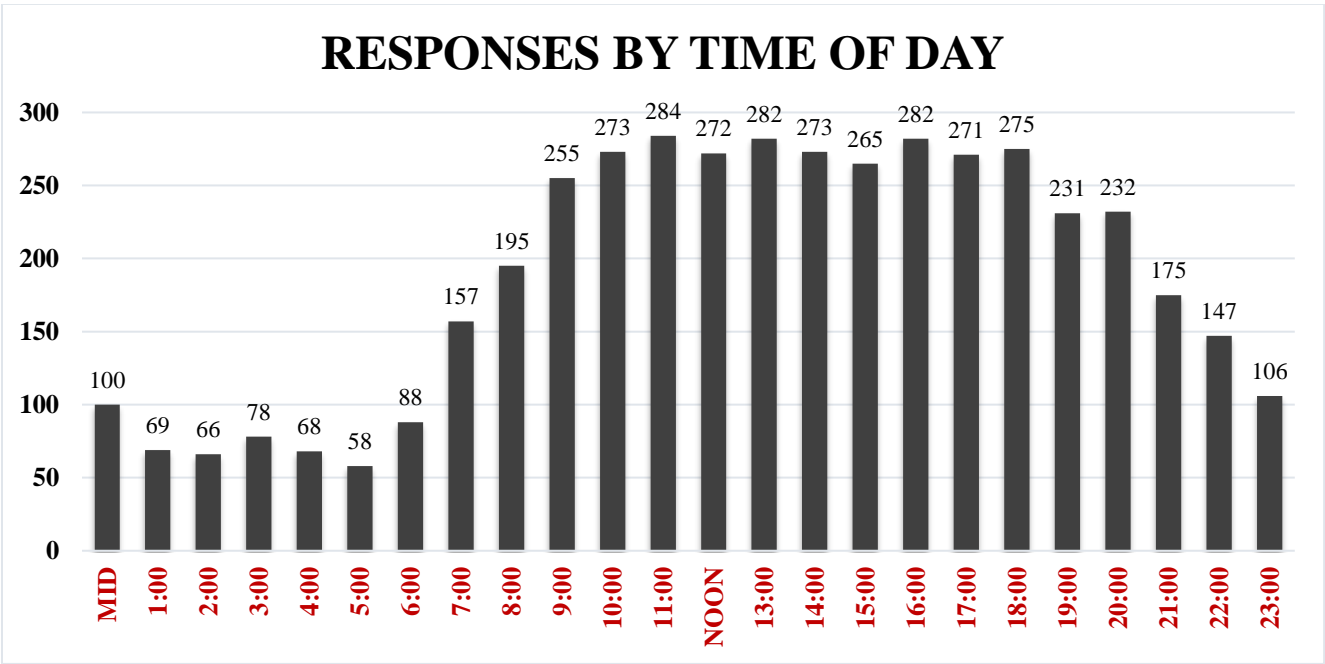
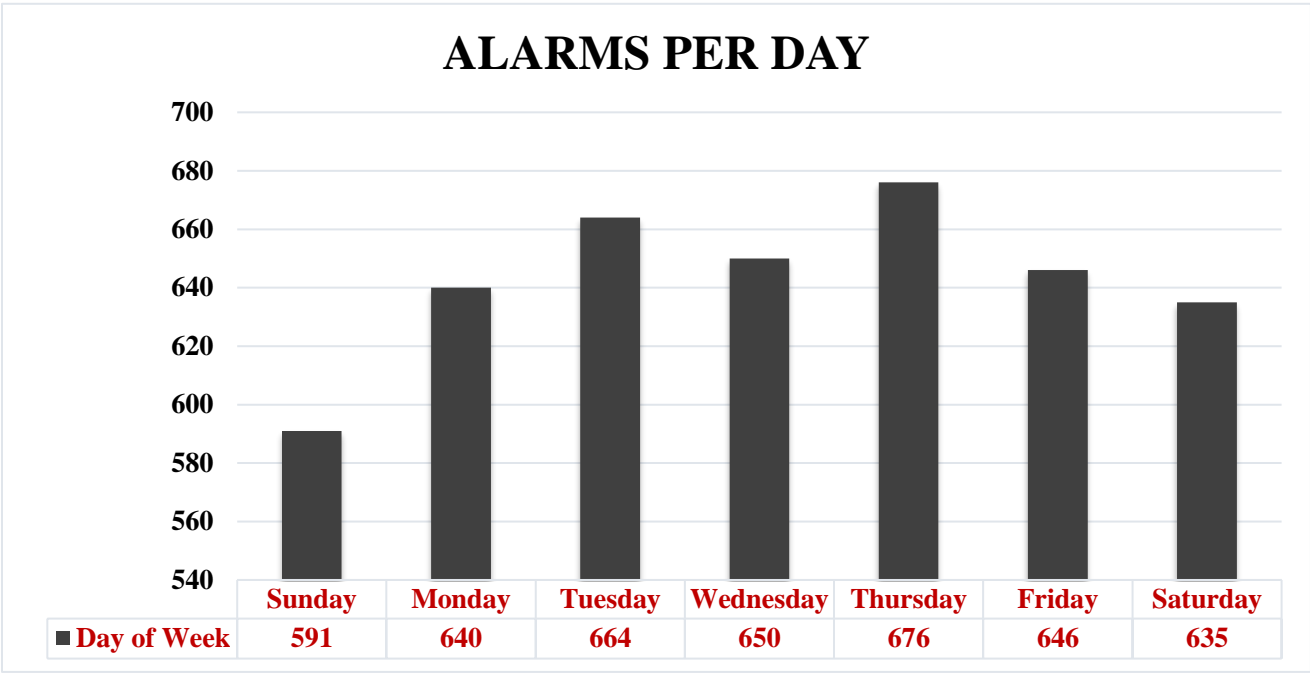
PERCENTAGE OF ALARMS



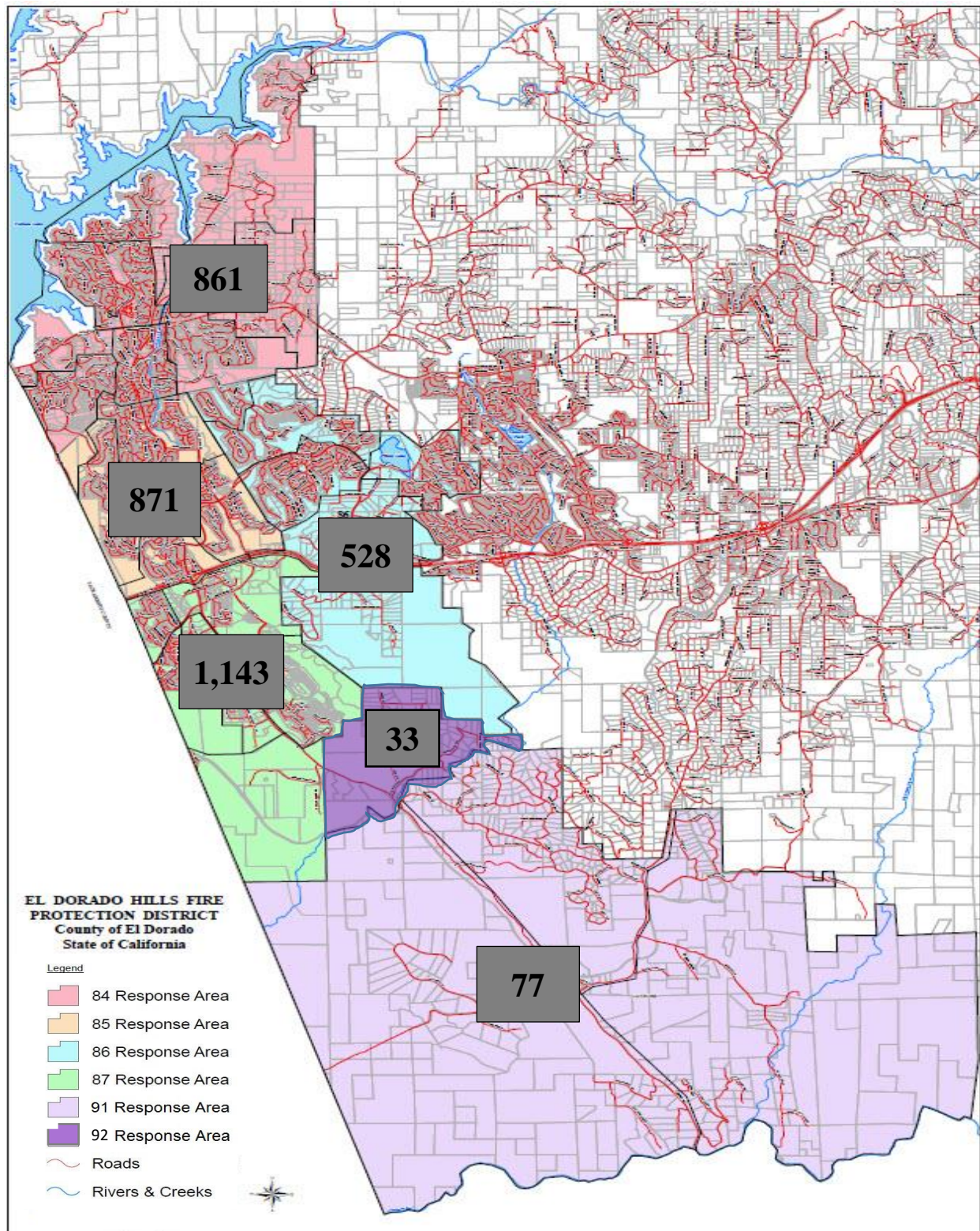
MEDICAL AID ALARMS







2019 INCIDENTS BY RESPONSE ZONE



**Additional 743 Mutual Aid Incidents and 246 Medical Transfers not reflected in the incidents listed above.*



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 Captain. With oversight by the Shift Battalion Chiefs, it is the engine company 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. Generally, there is a multi-company drill held each month where two to three companies meet at a training location and train together as a team. This simulates real-world response profiles.

2019 Training Highlights

- The Department hosted and conducted a large annual wildland refresher drill held in Rescue, CA. Crews were tested on line-construction using hand and power tools, hose lays, drafting, and physical fitness. They were given a simulated emergency which required them to seek refuge inside a training shelter.
- Three new-hire Firefighter/Paramedics completed an eight-week Academy that included certification in Low Angle Rope Rescue, Vehicle Extrication, Hazardous Materials Abatement, and Swiftwater Rescue Operations.
- 12 Firefighters completed Rescue Systems 1 training (rope systems and building collapse shoring).
- 2 Firefighters completed Collapsed Structure training (advanced shoring and collapsed structure rescue).
- 10 Firefighters completed Rescue Boat Operator training (certified in operating inflatable and rigid hull rescue watercraft).
- 5 Firefighters completed Rope Rescue Technician certification (advanced and complex high-angle rope rescue).
- 2 Firefighters completed Swiftwater Rescue Technician certification (certified for in-water rescue in swift and flood waters).

SAFETY PERSONNEL TRAINING HOURS

Last Name	First Name	Training Hours
Mark	Ali	368.5
Thomas	Anselmo	267
Rob	Austerman	338.6
Jacob	Baldwin	532.8
Matthew	Beckett	287.9
Matthew	Belleci	362.5
Ryan	Bennett	245
Todd	Bichel	253.3
Dave	Brady	302.5
Lantz	Burvant	378.5
Benjamin	Cowles	339
Jeffrey	Cummins	220.1
Mathew	Eckhardt	415.5
Richie	Edelman ¹	523.6
Hank	Ferlini	282.3
Bryan	Ferry	445.5
Joe	Forehand ¹	360.8
Steven	Gove	553.8
Michael	Gygax	393.3
Gregory	Hartman	390.7
Ryan	Hathaway	311.5
Dale	Hemstalk	442.8
Michael	Huerta	377.7
John	Johnston	225.4
Kristopher	Jower	369
Robert	Karnow	330.8
Chris	Landry	485.8
Michael	LeBlanc	229
Brian	Leduc	304.8
Mike	Lilienthal	104.5
Don	Lorence	312
Michael	Lovinger	288
Brian	Lowe	384.5
Michael	MacKenzie	297
LisaMarie	Mason ^{2,3}	0
David	Merino ^{2,3}	0
Stacy	Minnich	263.3

Last Name	First Name	Training Hours
Moreno	Antonio	255
Murray	Morgan	280.4
Daniel	Nelson	417.8
Mark	Netherton	378.8
Kyle	Nielsen ¹	434.3
Kasey	Owens	394.8
Raymond	Phillips	417.8
Thrace	Ramsey	425.3
Kevin	Schlange	439.3
Drew	Scroggins	257.1
Christopher	Sickenberger	428.6
Jason	Smith	329.8
James	Sommercamp	334.5
Carmen	Stiern	280.4
Adam	Tiffany	445.3
John	Vandalen	464.3
Clinton	Vogan	430
Dave	Ward	382.5
Brenton	Warren	238.3
Phillip	Wesson	291.3
Brian	Wilkey	379.5
Bradley	Willock	369
Thomas	Zarback	324
Jon	Zellhoefer ²	0
Total Hours		20,385.4
Average Hrs		334.2
Average Hrs w/o ^{2,3}		351.5

<u>INTERNS</u>		
Hunter	Gold	130.2
Wyatt	Hasemeier	15.5
Patrick	Kucich	110.3
Skylar	Roper	45.2
Johannes	Neu	29.8
Total Hours for Interns		331
Average Hours for Interns		66.2

¹Hired in 2019

²Left EDH Fire in 2019

³Long-term absence in 2019

Totals include on-duty gym time

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, Explorers assist EDHFD professionals in multi-company trainings including Active Shooter and Confined Space Drills. Explorers participate as victims to create an increased realism to training.

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

The year 2019 marked the El Dorado Hills Honor Guard's 16th year of service and we were honored with a variety of opportunities to serve our own, our community, and fellow brothers and sisters in emergency services. We welcomed our new Fire Chief in February with a great showing of family and community at Station 85 Headquarters providing a formal Color Guard posting. Our guard also grew when we welcomed three new members including Ray Phillips, Mike Huerta, and Mark Netherton.

The nature of the Honor Guard has its uplifting and celebratory moments, such as welcoming a new Fire Chief or honoring a veteran, but also comes with somber hardships and losses as well. Unfortunately 2019 was a year that came with a few losses which called upon our services to provide final honors.

In July, we lost a very important Honor Guard mentor Kevin Koontz of the Goshen Police Department and Honor Guard in Indiana. Kevin was a huge part of helping our guard form its initial foundation as an Honor Guard unit. He was also a close personal friend of mine. It was by far my most difficult, yet highest honor to date as I escorted his wife Tammie and family during the ceremony for Kevin. Our Honor Guard will forever hold Kevin's memory close to heart and be indebted for his words of wisdom and support.

In August we provided honors for the passing of Retired Chief Al Littlejohn from Latrobe Fire Protection District. September was a special time when we welcomed the Lt. Pete Bertelsen Family once again to join us for the annual color posting at their Father's Bertelsen Memorial Park. Two of our members also traveled to Colorado Springs to represent El Dorado Hills Fire Department at the annual IAFF Firefighters Memorial Ceremony honoring our fallen brothers and sisters from 2019 and years past.

The month of October was a time of grieving for emergency services as we mourned the loss of El Dorado County Sheriff Deputy Ishmael. Our members were proud to be involved in escorting the U.S. Honor Flag in his honor, and to provide protective watch over him during his service.

Veterans Day is always a great time to remember and honor our local Veterans at the El Dorado Hills Senior Center. This year was made very special as one of our Navy Veterans assisted by raising a new U.S. Flag.

December proved to be yet another tough month as we mourned the loss of Captain Thatcher from Sacramento Fire Department. It was one of our highest honors to date as we provided the flag fold at her services (pictured to the right).

2019 was a heavy hearted year for our guard and personnel, but we were extremely honored to fulfill our duties while holding true to our motto of "The Best We Can Do is The Least We Can Do."

Matt Beckett
Honor Guard Commander





The El Dorado Hills Firefighters Pipes and Drums was formed in 2011 by nine 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.

2019 was a great year for the band! We added two new members to our piping corps and they are making strides. The band will be making its trip back to Colorado Springs to attend the Annual Fallen Firefighters Memorial in September. We will also be participating in the annual Battle of the Badges Chili Cook-off as well as our yearly events around EDH. We look forward to representing EDHFD and a great 2020!

Ne Oublie,

Brian Wilkey



Community Risk Reduction



Community Risk Reduction

In 2019, the Fire Prevention Division was reorganized to establish the Community Risk Reduction Division. Community Risk Reduction (CRR) is a process to identify and prioritize local risks, followed by the integrated and strategic investment of resources (emergency response and prevention) to reduce their occurrence and impact. This is accomplished by coordinating emergency operations with prevention and mitigation efforts throughout both the community and at the fire station level. This new model allows the El Dorado Hills Fire Department to properly assess local risks, prioritize risks, develop strategies and tactics to mitigate risks, prepare a Community Risk Reduction plan and implement the CRR plan. Once implemented, staff will monitor, evaluate and modify the CRR plan each year to best target the hazards within our community that pose the greatest risk to its members.

The Community Risk Reduction Division includes Chief Ron Phillips (Interim Fire Marshal), Marshall Cox (Fire Prevention Specialist), Bryce De Witt (Fire Inspector I) and Leslie Hobert (CRR Technician). In 2019, the CRR Division added the following programs:

1. CERT (Community Emergency Response Team) to begin training tentatively June 2020.
2. Residential Fire Sprinkler plan review and inspections
3. Hands-Only CPR
4. Large Family Day Care workshops

The CRR Division also continued existing programs including:

1. Prevention month at all elementary schools
2. Smoke & CO alarm giveaway
3. Buckle Up Baby
4. Vacant Lot/Defensible Space
5. Mandatory annual facility inspections of schools, apartments and hotels
6. Life Jackets
7. Construction Plan Reviews
8. Local Planning & Development projects
9. Local code development

In 2019, the Community Risk Reduction Division completed the following related to development/projects:

	<u>EDH 2018</u>	<u>EDH 2019</u>
Development Projects/Reviews	83	81
Residential Structures	413	401
Commercial Structures	8	20
New Sq. Ft. Buildings added	1,845,906	1,942,142
Development Fees Collected	\$1,608,093	\$1,541,236
Prevention Fees Collected	\$88,197	\$184,460

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

Highlights of development in El Dorado Hills for 2019 include:

1. Costco pre-development at Silva Valley and Highway 50, including a gas station and underground parking garage.
2. Montano De El Dorado phase 2 at White Rock and Latrobe Rd, including 11 buildings and one hotel.
3. Town Center West including 2 hotels and a small conference center.
4. Safeway including a gas station and 7 additional retail buildings.
5. Town Center apartments including 210 dwelling units and a 5-story parking garage.
6. Addition of office and warehouse buildings in the business park.
7. Continued growth of single-family residential units in approved project areas such as Bell Ranch, Hawk View, Carson Creek, Blackstone, Serrano, and Saratoga Estates.

Looking forward into 2020, the CRR Division expects to see continued growth in both residential and commercial markets. We are projecting increased service requests for residential fire sprinklers, as well as RCFE (Residential Care Facility for the Elderly) growth. The El Dorado Hill Fire Department began the process of regaining management over the Residential Fire Sprinkler program which El Dorado County previously handled. Because this change did not fully impact our Department until January 2020, we will be able to reflect those program activities in the future Annual Reports.

Vegetation management and wildland fire safety remained paramount focal points for the El Dorado Hills Fire Department. The combination of the Vacant Lot program, local parcel inspections and El Dorado County's recently passed Vegetation Management ordinance ensures that the Fire Department is able to focus on and address wildfire risk in multiple areas of our community, reducing the overgrowth of vegetation and the potential for large scale fires.

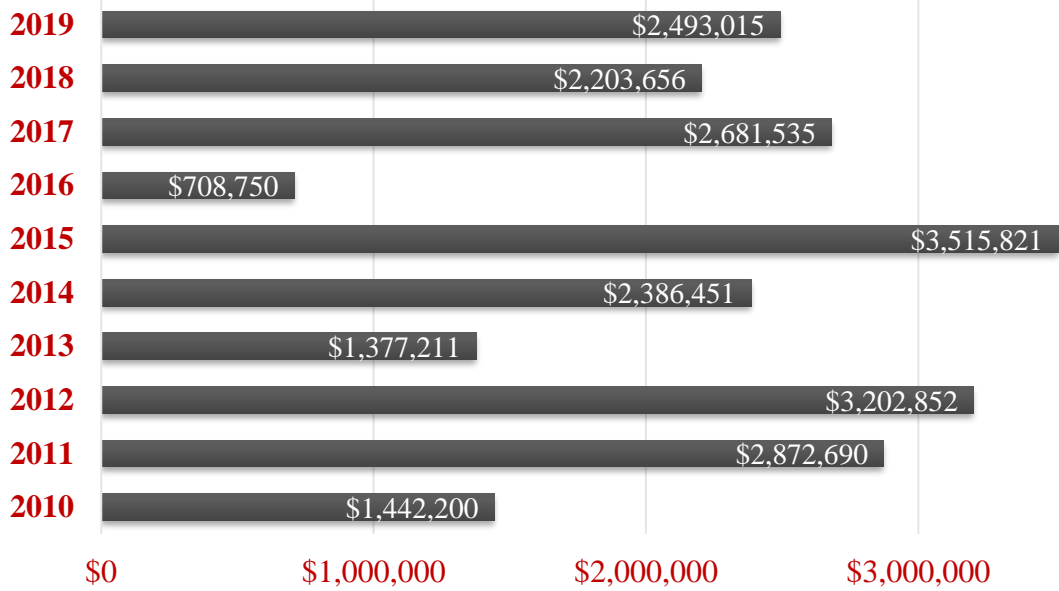
The CRR Division will monitor the need and demand for additional services, as well as ensure the maintenance and growth of current programs that benefit the citizens of El Dorado Hills. Program outreach and growth may require the future need of Prevention personnel to ensure program sustainability, a high level of service and fire safety projects that impact the citizens, employees and our Firefighters.

The Community Risk Reduction Division is committed to community safety, life safety and fire prevention. The duty to serve is a privilege and a team effort between the CRR Division, Firefighters, Interns, Volunteers and our valued community members. We remain dedicated to working together to protect life and property for all.



ANNUAL FIRE LOSS

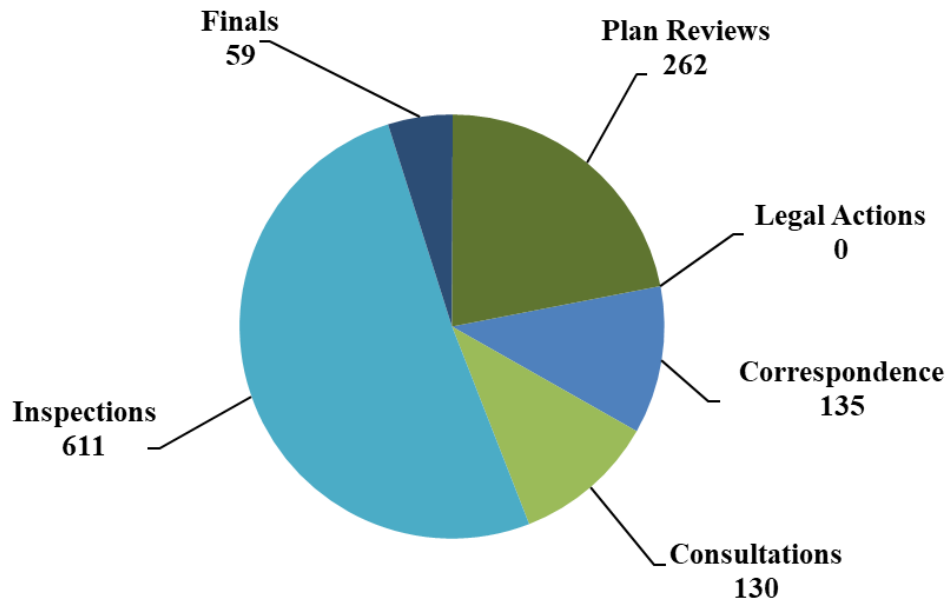
(Estimated Dollar Loss)



Estimated Amount Saved in 2019: \$18,932,749



COMMUNITY RISK REDUCTION ACTIVITIES

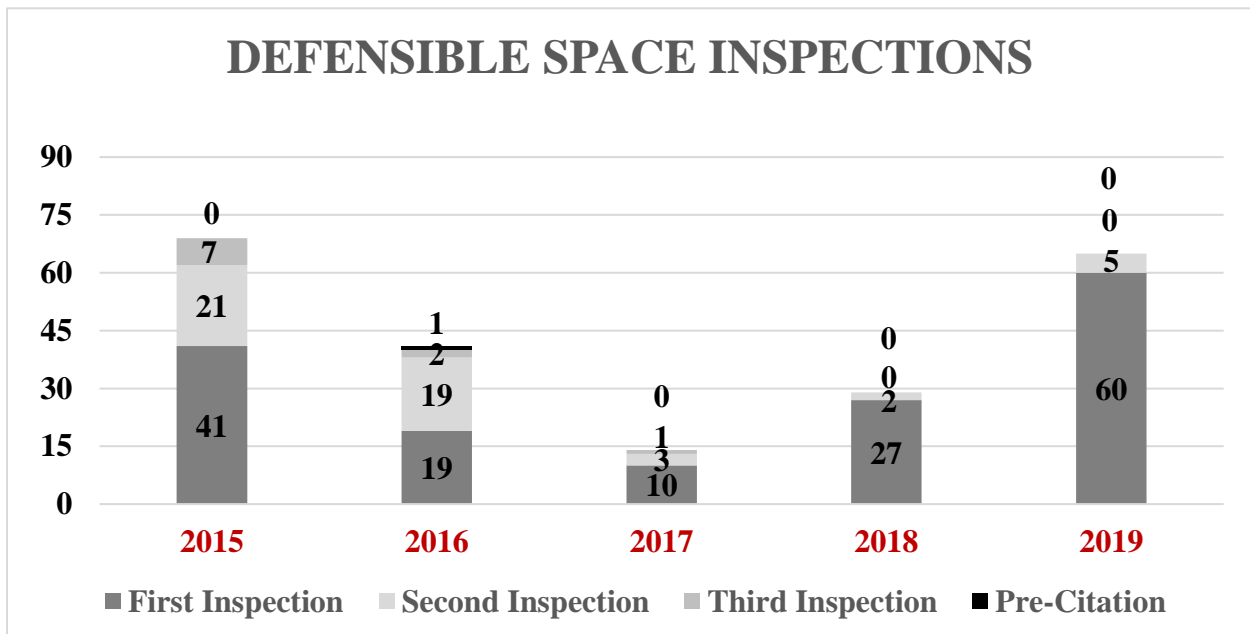
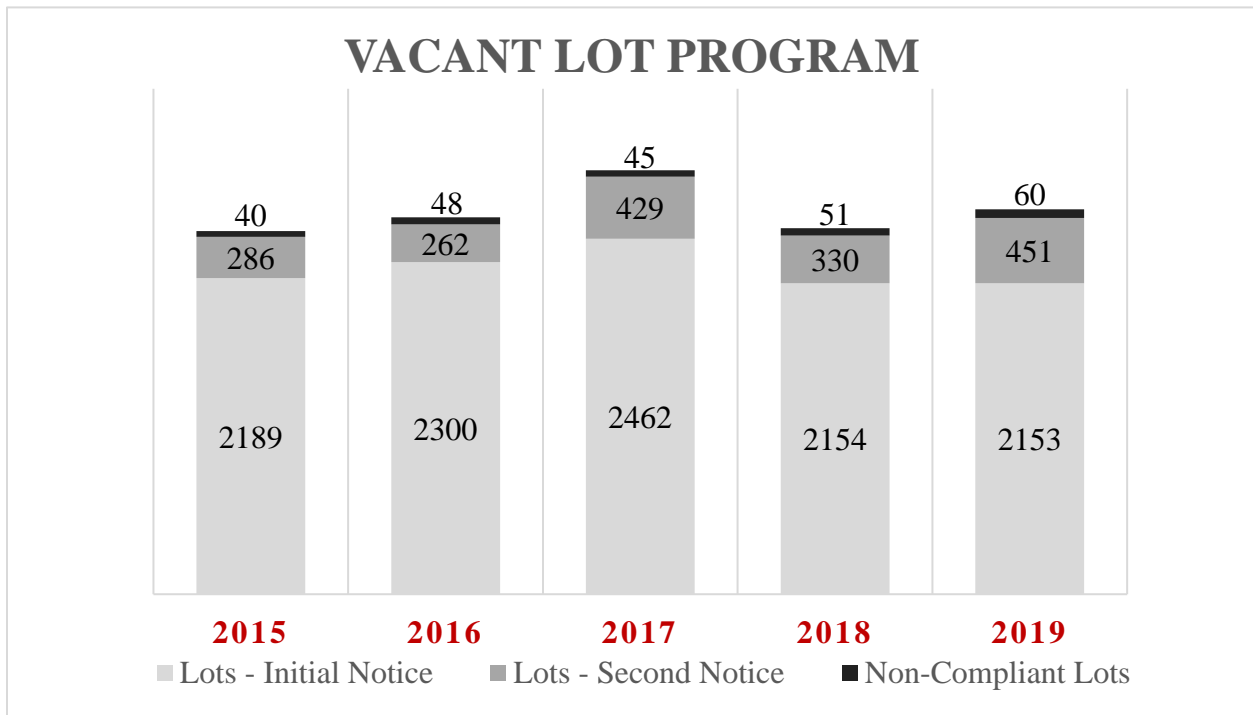


COMMUNITY RISK REDUCTION ACTIVITIES OVERVIEW

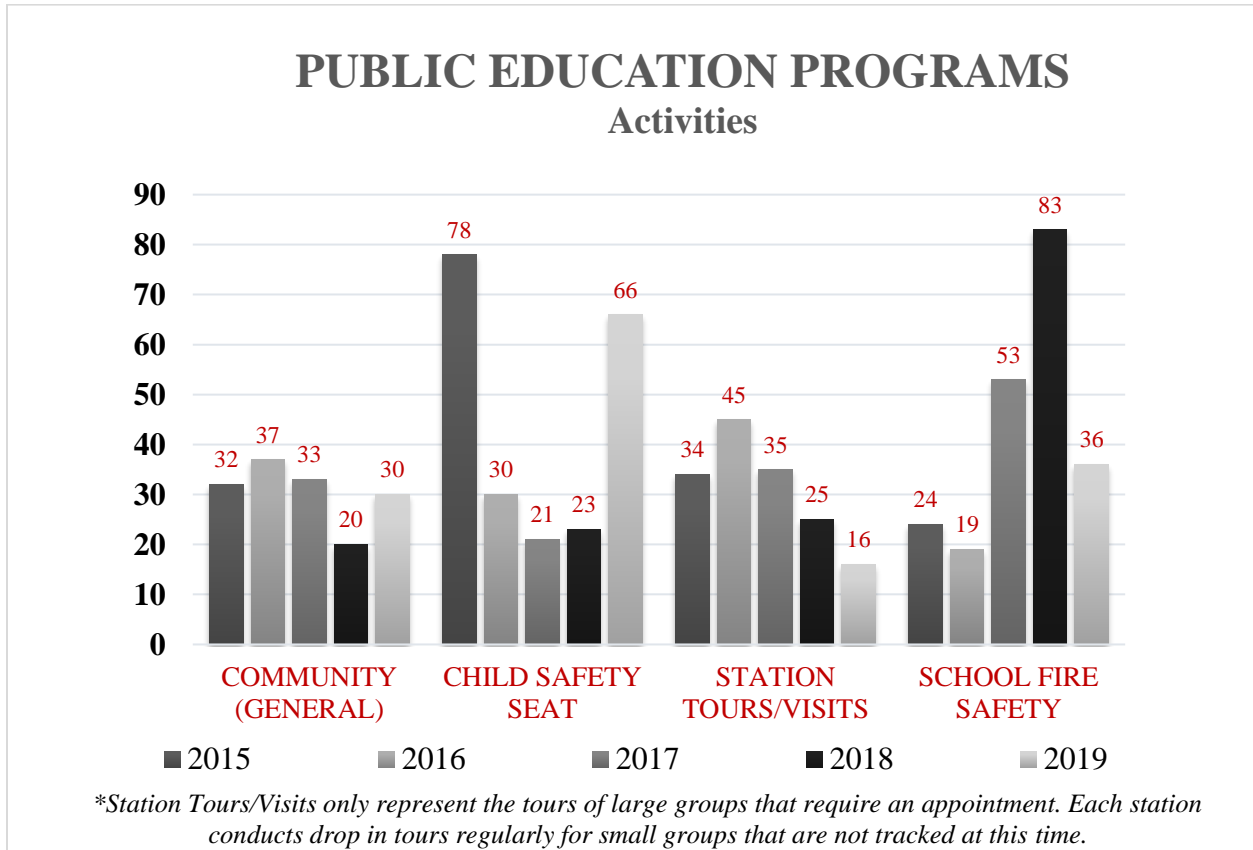
Activity	Description	2015	2016	2017	2018	2019
Correspondence	Business License Applications, Fire Flow, 850 Forms, etc.	130	147	168	133	135
Consultations	Special Events, RCFE's, Sprinklers, Gates, Meetings, etc.	112	96	62	114	130
Inspections*	Fire Protection, Testing, Defensible Space, Gates, Building, Construction, Knox Keys, Occupancy, etc.	697	803	1,302	1473	611
Finals	Commercial/Residential Building Plans, Rural Water Storage, etc.	72	61	109	92	59
Plan Reviews	Fire Alarm, Fire Sprinkler, Tenant Improvement, etc.	346	210	216	177	262
Legal Actions		2	4	0	0	0
TOTAL		1,359	1,321	1,857	1,989	1,197

**Company Inspections were postponed due to the revision of the Inspection Program under the new Community Risk Reduction Division. The inspections required for the Vacant Lot Program is not depicted in these Inspection totals. Refer to the next section for details.*

Each year, the Community Risk Reduction Division works to inspect properties throughout El Dorado Hills to ensure our community is wildfire safe. The Vacant Lot program focuses on working with property owners of unimproved lots (vacant), ensuring proper measures are taken to mitigate vegetative fuels and reducing the severity and occurrence of wildfires. The same community collaboration is done with property owners of improved lots (parcels with structures). The Defensible Space program requirements help ensure the safety of our residents and minimize fire fuels. In the Defensible Space graph below, you will see the First and Second Inspections are successful and there is no need for a Third Inspection or a Pre-Citation.



The El Dorado Hills Fire Department strongly believes in Public Safety and Education. We participate in several different events throughout the year to help educate our community about fire safety such as, Fire Prevention Month at the local schools, Smoke Detector Give-Away, Junior Firefighter Program, Child Safety Seat inspections, station tours and more. Below is an overview of the conducted Public Education programs over the past 5 years.





Apparatus & Facilities

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	21,848 Miles
	Air/Light Support			

8552	2008 Ford F-350		Water Rescue Equip.	Water Rescue
WR-84	Ford	N/A		18,547 Miles
	4x4 Water Rescue			

8553	2015 Ford F-550	400' 1 ¾"	400 Gallons Water	Reserve
P-92	Ford	600' 1 ½"	170 G.P.M.	
	4X4-Type-6 Patrol		12 Gallons Foam-A	25,940 Miles

8554	2015 Ford F-550	400' 1 ¾"	400 Gallons Water	All Structure Fire &
P-91	Ford	600' 1 ½"	170 G.P.M.	Vehicle Accidents
	4X4-Type-6 Patrol		12 Gallons Foam-A	24,486 Miles

8557 JPA	2017 Dodge		Advanced	Medical Aids
M-85	Arrow	N/A	Life Support	Vehicle Accidents
	Ambulance			96,990 Miles

8558 JPA	2015 Ford		Advanced	Reserve Medic
M-285	Arrow	N/A	Life Support	114,835 Miles
	Ambulance			

8562	2004 International	500' 3"	500 Gallons Water	Wildland Fires
E-387	West-Mark	150' 1 ¾"	500 G.P.M.	*Cross staffed summer
	4x4 Type-3 Engine	1500' 1 ½"	Darley Pump	44,091 Miles
		800' 1"	20 Gallons Foam-A	

8563	2007 International	500' 3"	500 Gallons Water	Wildland Fires
E-386	West-Mark	150' 1 ¾"	500 G.P.M.	*Cross staffed summer
	4x4 Type-3 Engine	1500' 1 ½"	Darley Pump	Mutual Aid Engine
		800' 1"	20 Gallons Foam-A	39,110 Miles

UNIT #	YEAR -CHASSIS MFG -TYPE	HOSE LOADS	TANK & PUMP CAPACITY	ALARM RESPONSE MILEAGE
8570	2003 Spartan	700' 5"	500 Gallons Water	Reserve
Reserve	Ferrara	500' 3"	1500 G.P.M.	Mutual Aid Engine
	Class "A" Pumper	100' 2 ½"	Waterous Pump	99,129 Miles
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"	20 Gallons Foam-B	
		600' 1"		

8571	1996 HME		600 Gallons Water	Out of Service Reserve
Santa	Hi-Tech		1500 G.P.M.	82,000 Miles
Engine	Class "A" Pumper		Waterous Pump	
	Type 1 Engine		20 Gallons Foam-A	

8572	1999 HME	700' 5"	500 Gallons Water	Reserve
E-91	Westates	500' 3"	1000 G.P.M	81,077 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	

8573	2013 HME		800 Gallons Water	OES
OES-384	Ahrens-Fox		1250 GPM	17,787 Miles
	Type 1 Engine			

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	78,500 Miles
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"		

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	75,000 Miles
	Type 1 Engine	600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"	20 Gallons Foam-B	

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.	47,000 Miles
	Type 1 Engine	100' 2 ½"	Waterous Pump	
		600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"		

8578	2018 Pierce	700' 5"	500 Gallons Water	All Alarms
E-85	Class "A" Pumper	500' 3"	1500 G.P.M.	Cross Staffed with Truck 85
	Type 1 Engine	100' 2 ½"	Waterous Pump	7,735 Miles
		600' 1 ¾"	20 Gallons Foam-A	
		900' 1 ½"		

8579	2001 HME	700' 5"	800 Gallons Water	All Alarms
Soon to Be	Class "A" Pumper	500' 3"	1250 G.P.M.	52,000 Miles
E-91	Type 1 Engine	100' 2 ½"	Waterous Pump	
		600' 1 ¾"	20 Gallons Foam-A	

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	11,642 Miles

8581-OES	2003 Freightliner	500' 3"	2000 Gallons Water	Rural Area Support
WT-41	Westates	200' 1 ½"	500 G.P.M.	Structure/Wildland Fires
	Water Tender	20' 4"	Waterous Pump	State of CA Mutual Aid
				41,675 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	50,991 Miles
		500' 1 ¾"		

UTILITY & STAFF VEHICLES

INVENTORY #	YEAR	MAKE/MODEL	VEHICLE DESCRIPTION	TYPE OF USE	MILEAGE
8531	2007	Ford F-150	Pickup 4x4	Operations Support	100,756
8532	2016	Ford Explorer	SUV	Prevention Officer	12,050
8533	2016	Ford Explorer	SUV	Prevention Officer	27,427
8534	2015	Chevrolet Tahoe	SUV	Deputy Chief Admin	49,502
8535	2015	Chevrolet Tahoe	SUV	Fire Marshal	41,354
8536	2015	Chevrolet Tahoe	SUV	Deputy Chief Ops	39,923
8537	2018	Chevrolet Silverado	Pickup 4x4	Shift BC	28,251
8538	2018	Chevrolet Tahoe	SUV	Fire Chief	5,975
8539	2005	Ford F-250	Pickup 4x4	Training Officer	96,091
8540	2005	Ford Explorer	SUV	Prevention Officer	6,653
8541	2006	Ford F-250	Pickup 4x4	Shift BC/Strike Team	76,826
8542	1999	Ford F-350	Pickup 2x4 DRW	Prev. Trailer/Utility	77,043
8544	2003	Ford Expedition	SUV	Utility	107,221
8548	2003	Ford Expedition	SUV	Utility	110,785
8549	2003	Ford Expedition	SUV	Utility	147,340



TRAILERS

INVENTORY #	YEAR	MAKE/MODEL	VEHICLE DESCRIPTION	TYPE OF USE	MILEAGE
8510	2018	Interstate	Box Trailer	Rescue Trailer	N/A
8511	2017	Karavan	Rescue Boat Trailer	Rescue Boat Trailer	N/A
8512	1996	Charm	Prevention Trailer	Prevention Training	N/A
8513	2007	PJ Trailers	Dump Trailer	Debris Removal	N/A
8514	2008	Interstate	Honor Guard Trailer	Equipment Transport	N/A
8515	2008	Shoreland	PWC Transport	PWC Transport	N/A
8516	1996	Charm	Utility Trailer	Utility Trailer	N/A

BOATS

INVENTORY #	YEAR	MAKE/MODEL	VEHICLE DESCRIPTION	TYPE OF USE	MILEAGE
8520	2017	Wing P4.2	14' IRB	Water Rescue	N/A
8521	2018	Wing P4.2	14' IRB	Water Rescue	N/A
8523	2017	NRS Outlaw	14' River Raft	Water Rescue	N/A
8524	2008	Sea Doo	PWC	Water Rescue Training	N/A
8525	2009	Sea Doo	PWC	Water Rescue Training	N/A



Facilities

A fire station supports the needs of the Fire Department and the community in which it is located. It must accommodate extremely diverse functions, including housing, administration, training, community education, equipment and vehicle storage, equipment and vehicle maintenance and hazardous materials storage. Our facilities are not only occupied by our own personnel, they also accommodate the general public, non-profit organizations and other government entities for training purposes, community education or outreach programs, etc.

Each fire station varies in design depending on when it was built, the types of emergencies that will be responded to, the types of equipment that will be housed at the station and the personnel it needs to accommodate.

All fire stations are operated 24 hours a day throughout the year and maintenance of these facilities continues to be challenging. Our fire stations are commercial buildings used as residential housing for our Professional Firefighters. Since our stations are “on duty” 24/7, we stress the components to operate at that capacity. For example, the HVAC systems, boilers and lighting components are used constantly. The Department is continuously maintaining and repairing these components and many others throughout the year. In 2019, the following major changes were made to our facilities:

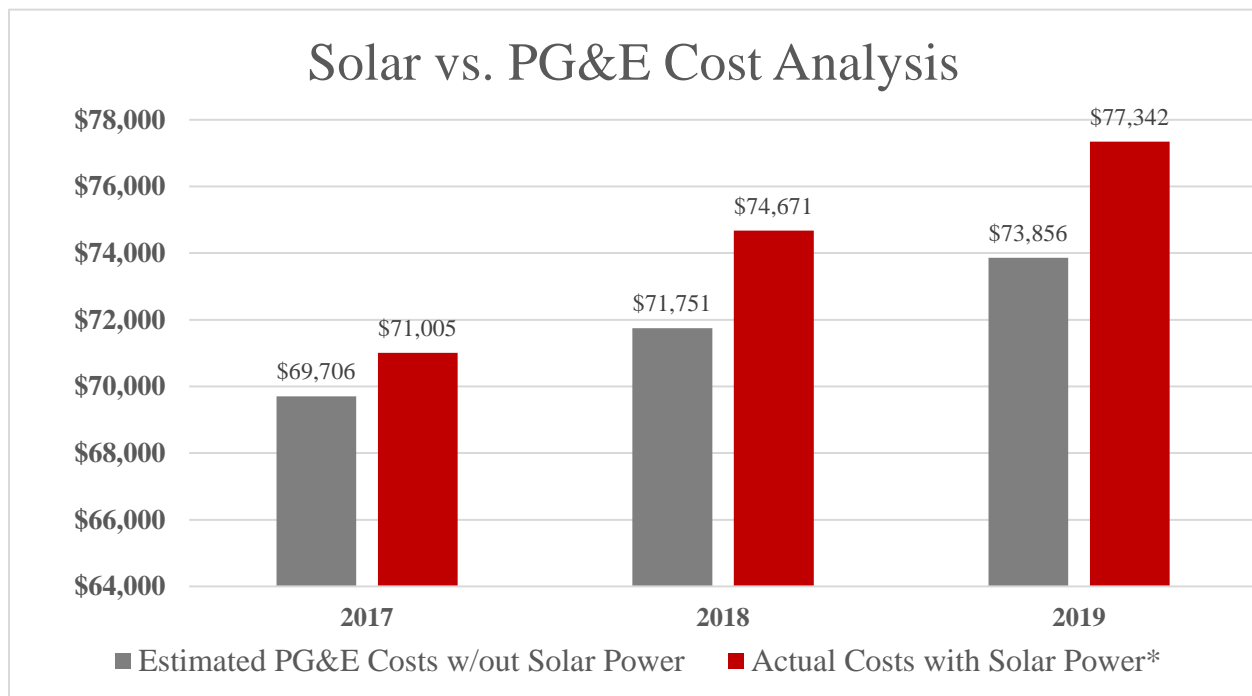
- The oven at Station 85 in the Administration building was replaced since it was broken and unable to be repaired.
- Station 91 had an extractor installed which allows the firefighters to properly clean their turnout gear. This is essential to maintaining the health and safety of all Firefighters.
- The boiler at Station 87 was separated and a new water heater was installed.
- A generator system was installed at Station 91 to allow for basic functioning during power outages.
- Station 91 and 92 had water damage due to not having rain gutters. Any further damage was prevented by installing rain gutters on both buildings.
- Personnel painted the interior and exterior of Station 92 which is used as a conference room for local, non-profit groups.
- In an effort to be more energy efficient, the Station 87 parking lot lights were converted to LED bulbs.
- A new washer and dryer were needed at Station 85 and were replaced in 2019.



Solar Power

The El Dorado Hills Fire Department started a photovoltaic (solar) power plan with Solar Edge/Technology Credit Corporation at the end of 2016. Four out of our five fire stations (stations 84, 85, 86, and 87) leased solar panels and had them installed. The graph below shows the estimated PG&E costs without solar power using an average annual increase of 2.9%¹. In comparison, the red column represents the actual annual cost for electricity with solar power compared to the actual cost for electricity with solar.

¹Percentage is based on PG&E Commercial A6 Electric Rates at a Glance charts.



*Actual Costs with Solar Power include an estimated refund amount from the solar provider Solar Edge/Technology Credit Corporation for under production.

EL DORADO HILLS FIRE DEPARTMENT

Administration

1050 Wilson Blvd.
El Dorado Hills, CA 95762
Phone: (916) 933-6623
Fax: (916) 933-5983
Website: edhfire.com
Facebook: facebook.com/EDHFIRE
Twitter: twitter.com/EDHFire

Fire Stations

Station 84

2180 Francisco Drive, EDH

Station 87

4680 Golden Foothill Pkwy., EDH

Station 85

1050 Wilson Blvd., EDH

Station 91

7660 S. Shingle Rd, Shingle Springs

Station 86

3670 Bass Lake Rd., EDH

Station 92 (unstaffed)

7470 Ryan Ranch Rd.,
Shingle Springs

Our Mission: We, the El Dorado Hills Fire Department, exist to serve and protect the Community through emergency management."

