

AGENDA
EL DORADO HILLS COUNTY WATER DISTRICT
(FIRE DEPARTMENT)
BOARD OF DIRECTORS
SEVEN HUNDRED THIRTY SECOND MEETING
Thursday, November 19, 2015
6:00 p.m.
(1050 Wilson Blvd., El Dorado Hills, CA)

- I. Call to Order and Pledge of Allegiance
- II. Presentations
 - A. Presentation to retired Administrative Assistant Sandy Sanders
- III. Consent Calendar (All matters on the Consent Calendar are to be approved by one motion unless a Board member requests separate action on a specific item.)
 - A. Approve Minutes of the 731st meeting held October 15, 2015
 - B. Approve Financial Statements for October 2015

End Consent Calendar
- IV. Oral Communications
 - A. EDH Professional Firefighters
 - B. EDH Firefighters Association
 - C. EDH Volunteer Firefighters
 - D. Latrobe Advisory Committee
 - E. Any person wishing to address the Board on any item that is not on the Agenda may do so at this time. No action may be taken on off-agenda items unless authorized by law. Comments shall be limited to three minutes per person and twenty minutes for all comments unless otherwise authorized by the Board.
- V. Correspondence
 - A. Letter to El Dorado County regarding the Latrobe Base Revenue Transfer
 - B. Letter from Kubick and Summers requesting a development fee refund
- VI. Attorney Items
- VII. Committee Reports
 - A. Administrative Committee (Directors Winn and Hidahl)
 - 1. Review and update construction progress of Station 84
 - 2. Review and award contract for Community Risk Assessment, Standards of Cover, and Facilities Master Plan
 - 3. **Closed Session** pursuant to Government Code Section 54957.6, conference with labor negotiators; items under negotiation: Memorandum of Understanding with the El Dorado Hills Professional Firefighters pertaining to wages and benefits; District negotiators are Directors Hidahl and Winn
 - B. Fire Committee (Directors Hus and Winn)
 - C. Ad Hoc Committee Reports
 - 1. Regional Operations Committee (Directors Hartley and Hidahl)
 - a. **Closed Session** pursuant to Government Code Section 54957.6, conference with labor negotiators; items under negotiation: Amendment to Memorandum of Understanding with

the El Dorado Hills Professional Firefighters pertaining to Station 91 staffing; District negotiators are Directors Hidaahl and Hartley.

- b. Review and approve side letter to MOU with El Dorado Hills Professional Firefighters regarding Latrobe (Station 91) staffing
- c. Update and discuss progress on the Latrobe Base Rate Transfer
2. Solar Committee (Directors Hus and Hidaahl)
3. Communications Committee (Directors Durante and Winn)
 - a. Update on the 700 MHz Repeater purchase and installation
4. Volunteer Stakeholders Committee (Directors Hidaahl and Durante)
5. Training Facility Committee (Directors Hartley and Durante)
6. Report from the Committee for Commission for Collaborative Fire Departments (Directors Hidaahl and Hus)

VIII. Operations Report

- A. Operations Report (Receive and file)
- B. Review and update regarding Joint Powers Authority

IX. Fiscal Items

X. New Business

- A. Review and approve Resolution 2015-15 in appreciation to Retired Chief Financial Officer Connie Bair
- B. Review and approve Resolution 2015-16 to hire former CFO Connie Bair on an hourly basis as needed
- C. Adopt Resolution 2015-17 maintaining the existing Zones of Benefit in the Latrobe service areas
- D. Review and approve purchase of a Type IV Patrol Vehicle from AES Response in the amount of \$185,000
- E. Review and approve purchase of two Staff Utility Vehicles for Fire Prevention in the amount of \$99,849
- F. Review and approve the Volunteer Firefighter Stipend policy
- G. Discuss shared land use with the El Dorado Hills Community Services District related to properties adjacent to Stations 86 and 87

XI. Old Business

XII. Oral Communications

- A. Directors
- B. Staff

XIII. Adjournment

Note: Action may be taken on any item posted on this agenda.

This Board meeting is normally recorded.

EL DORADO HILLS COUNTY WATER DISTRICT

SEVEN HUNDRED THIRTY FIRST MEETING OF THE BOARD OF DIRECTORS

Thursday, October 15, 2015

6:00 p.m.

District Office, 1050 Wilson Boulevard, El Dorado Hills, CA 95762

I. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

President Winn called the meeting to order at 6:00 p.m. and Chief Roberts led the Pledge of Allegiance. Directors in attendance: Durante, Hartley, Hidahl, Hus, and Winn. Staff in attendance: Chief Roberts and Director of Finance Braddock. Counsel Cook was also in attendance.

II. PRESENTATION TO RETIRED FIREFIGHTER/PARAMEDIC JENO

INZERILLO – Chief Roberts presented a resolution of appreciation to retired Firefighter/Paramedic Jeno Inzerillo for eleven years of dedicated service to the El Dorado Hills Fire Department.

III. CONSENT CALENDAR

- A. Approve minutes of the 729th meeting held September 17, 2015
- B. Approve minutes of the 730th Special Board Meeting (Community Workshop) held October 6, 2015
- C. Approve Financial Statements for September 2015

President Winn requested that **Item X-B** be continued to a future meeting and that **Closed Session Item VII-A.3** be moved on the agenda after **Closed Session Item VII-C.1.b** and the Board concurred.

Director Hidahl made a motion to approve the proposed adjustments to the agenda, seconded by Director Hartley and unanimously carried.

Director Hidahl made a motion to approve the consent calendar, seconded by Director Durante and unanimously carried.

IV. ORAL COMMUNICATIONS

- A. **EDH Professional Firefighters** – Captain Hasemeier, Interim Union President, reported that Union President Merino resigned and the sitting Vice President Captain Hasemeier is acting as the Interim Union President until the election on October 20, 2015.
- B. **EDH Firefighters Association** – No Report
- C. **EDH Volunteer Firefighters** – No Report
- D. **Latrobe Advisory Committee** – No Report
- E. **Public Comment** – No Report

V. CORRESPONDENCE

– Chief Roberts stated that the letter from the El Dorado County CAO regarding the Latrobe Transfer and Resolution will be discussed under New Business.

VI. ATTORNEY ITEMS – None

VII. COMMITTEE REPORTS

A. Administrative Committee (Directors Hidahl and Winn)

- 1. Review and update construction progress of Station 84** – Director Hidahl reported that there were a few change orders and the crew has moved into the new building with plans to be out of the temporary facility within the week. He stated that the last hurdle to get completely out of the temporary facility is to move the storage unit behind the building. Battalion Chief Johnston stated that the contractor will be replacing the concrete on the North side of the station, have the parking lot repainted, and a determination will be made about fixing the concrete stain on the interior floors.
- 2. Review and discuss implementation of staffing and organizational changes; Approve committee recommendation** – Director Hidahl stated that after further analysis of the financial history, the staffing cost percentages seem to be fairly consistent over the last five years. He reported that the committee recommends that the Board approve the implementation of the staffing changes staggered over three months. Director Hus stated that his concern is for the impact on the taxpayers as the Department adds fixed costs. Director Durante expressed that he would like the Board to authorize each position individually as the Department is ready to implement the changes.

Director Hidahl made a motion to authorize the implementation of the Deputy Chief position no sooner than November 1, 2015, the Fire Marshal position no sooner than December 1, 2015, and the Operations Assistant position no sooner than January 1, 2016, seconded by Director Hartley and carried. (Ayes-3, Directors Hartley, Hidahl, Winn; Noes-2, Directors Durante, Hus).

B. Fire Committee (Directors Hus and Winn) – No Report

C. Ad Hoc Committee Reports

- 1. Regional Operations Committee (Directors Hartley and Hidahl)**
 - a. Discuss application submission to LAFCO for annexation of Rescue Fire Protection District** – Director Hartley reported that the community meeting on October 14 was well attended and productive. He stated that the next step will be to set up a meeting with the Board of Supervisors to see if the 22% AB-8 rate is realistic. Chief Roberts stated that he is working on setting a meeting date with the Supervisors.
 - b. Closed Session pursuant to Government Code Section 54957.6, conference with labor negotiators; items under negotiation:**

Amendment to Memorandum of Understanding with the El Dorado Hills Professional Firefighters pertaining to Station 91 Staffing; District negotiators are Directors Hidahl and Hartley

The Board adjourned to discuss Closed Session Item VII-A.3 and Item VII-C.1.b at 6:47 p.m.

The meeting reconvened at 7:54 p.m. The Board took no action during closed session.

- c. **Review and approve side letter to MOU with El Dorado Hills Professional Firefighters regarding Latrobe (Station 91) staffing** – The Board referred Item VII-C.1.b back to committee.
2. **Solar Committee (Directors Hus and Hidahl)** – Counsel Cook reported that after reviewing the Vista Solar and TCC contracts he was concerned about the timing and potential financial obligation. Vista Solar altered their contract stating that they will not commence work until TCC says the project is fully funded eliminating the potential cost to the Department.
3. **Communications Committee (Directors Durante and Winn)** – Chief Keating stated that the RFPs are out, proposals are due by October 30, 2015, and the rip and run printers are moving forward. He added that Camino has so far been able to work at no cost to the Department, leaving the budgeted \$30,000 untouched.
4. **Volunteer Stakeholders Committee (Directors Hidahl and Durante)** – Director Hidahl reported that Chief Moreno did a thorough analysis of the volunteer program and of the most recent recruitment only half of the volunteers are meeting the minimum requirements. He stated that the program will require a continuing recruitment process to get new people involved. Director Hus asked if the training requirements can be lowered in order make it easier for the volunteers. Chief Roberts responded that the Department is only requiring the minimum state training standards so they cannot be adjusted. Captain Hasemeier expressed that volunteerism has changed and the recruits are career minded and likely to resign when they find a career firefighter position.
5. **Training Facility Committee (Directors Hartley and Durante)** – Director Hartley reported that the consultant meeting is scheduled for October 27, at 9:00 a.m. to identify a plan and state training requirements.
6. **Report from the Committee for Collaborative Fire Departments (Directors Hidahl and Hus)** – No Report

VIII. OPERATIONS REPORT

- A. **Operation Report (Received and filed)** – Director Hus asked if the alarm

statistics are still being generated manually. Chief Lilienthal responded that he is still using a manual process, but that process has been improved and is going more quickly. He also stated that a new system will be demonstrated this month with the hope that we will be able to automate our reports in the near future.

B. Review and update regarding Joint Powers Authority – No Report

IX. FISCAL ITEMS

- A. Review and approve authorization form needed to sign for fiscal items at El Dorado County, adding Director of Finance and Fire Chief – CFO Bair stated that Director of Finance Braddock needs to be added to the approved signatures to sign for fiscal items.**

Director Hidahl made a motion to authorize the form needed to sign for fiscal items at El Dorado County, adding Director of Finance and Fire Chief, seconded by Director Durante and unanimously carried.

X. NEW BUSINESS

- A. Review and approve Resolution 2015-14 in appreciation to Retired Administrative Assistant Sandy Sanders**

Director Durante made a motion to approve Resolution 2015-14 in appreciation to Retired Administrative Assistant Sandy Sanders, seconded by President Winn and unanimously carried. (Ayes-5; Noes-0).

- B. Adopt Resolution 2015-15 maintaining the existing Zones of Benefit in the Latrobe service areas – Continued to a future meeting.**

- C. Review and approve appointment of Director of Finance to act as Board Secretary and/or Clerk of the Board until the title is corrected in the Board Policy Manual**

Director Hidahl made a motion to approve appointment of Director of Finance to act as Board Secretary and/or Clerk of the Board until the title is corrected in the Board Policy Manual, seconded by Director Durante and unanimously carried.

Chief Roberts presented a letter from CAO Larry Combs revealing an error in the adoption of the transfer of funds to El Dorado Hills Fire Department and their intent to fulfill the commitment in Resolution 064-2014.

- XI. OLD BUSINESS – Director Hus asked when the Admin Committee can look at the Policy Manual and Bylaws. Director Winn responded that the Admin Committee is**

currently working on the MOU and will do their best to get to the Policy Manual and Bylaws in a timely manner.

XII. ORAL COMMUNICATIONS

- A. Directors** – Director Durante recommended that the December Board meeting be moved to an alternate date due to the Santa Run.

Director Hidahl made a motion to change the December Board meeting to December 10, 2015, at 6:00 p.m., seconded by Director Durante, and unanimously carried.

Director Hidahl asked if the article in the Mountain Democrat stating that the El Dorado Hills Fire Department was remiss in submitting required Nexus Study. Counsel Cook responded that he would be happy to look at the article, but the Department is not out of compliance.

- B. Staff** – Chief Roberts welcomed Director of Finance Jessica Braddock.

XIII. ADJOURNMENT

Director Hartley made a motion to adjourn the meeting, seconded by Director Durante, and unanimously carried.

The meeting adjourned at 8:25 p.m.

Approved:

Barbara Winn, President

Jessica Braddock, Board Secretary

El Dorado Hills Fire Department

11/16/2015 1:07 PM

Register: 1000 · Bank of America

From 10/01/2015 through 10/31/2015

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
10/01/2015	EFT	P.E.R.S. Health	-split-	Health Benefits...	147,219.96	X		940,656.05
10/01/2015	18577	Greg F. Durante (Di...	-split-		200.00	X		940,456.05
10/01/2015	18578	Charles J. Hartley	-split-	Director Pay	200.00	X		940,256.05
10/01/2015	18579	John Hidahl	-split-		300.00	X		939,956.05
10/01/2015	18580	Douglas A. Hus	-split-		200.00	X		939,756.05
10/01/2015	18581	Barbara Winn	-split-		300.00	X		939,456.05
10/01/2015	18582	Wells Fargo Bank	2026 · EDH Associate...	Payroll Deducti...	2,215.20	X		937,240.85
10/01/2015	18583	Carol Caughey	6000 · Salaries & Wag...		150.00	X		937,090.85
10/01/2015	18584	David Kennedy	6000 · Salaries & Wag...		100.00	X		936,990.85
10/01/2015	18585	John Niehues	6000 · Salaries & Wag...		150.00	X		936,840.85
10/01/2015	18586	Dwight Piper	6000 · Salaries & Wag...		150.00	X		936,690.85
10/01/2015	18587	Frederick Russell	6000 · Salaries & Wag...		150.00	X		936,540.85
10/01/2015	18588	Angelica Silveira	6000 · Salaries & Wag...		150.00	X		936,390.85
10/01/2015	18589	Steve Maranville	6000 · Salaries & Wag...		272.00	X		936,118.85
10/01/2015	18590	Absolute Secured Sh...	-split-		35.00	X		936,083.85
10/01/2015	18591	Aflac	2029 · Other Payable		191.92	X		935,891.93
10/01/2015	18592	Air Exchange	6150 · Maintenance,Str...		2,510.95	X		933,380.98
10/01/2015	18593	All Clean Commerci...	6120 · Housekeeping		688.00	X		932,692.98
10/01/2015	18594	Allstar Fire Equipme...	6100 · Clothing & Pers...		1,938.23	X		930,754.75
10/01/2015	18595	Bugman Pest Control	-split-		305.00	X		930,449.75
10/01/2015	18596	Burkett's	-split-		207.74	X		930,242.01
10/01/2015	18597	CA Assoc. of Profess...	6000 · Salaries & Wag...		1,053.00	X		929,189.01
10/01/2015	18598	Carbon Copy, Inc	-split-		132.47	X		929,056.54
10/01/2015	18599	Cascade Healthcare ...	6240 · Special Expense...		1,400.00	X		927,656.54
10/01/2015	18600	Colantuono, Highsmi...	6200 · Professional Ser...		100.00	X		927,556.54
10/01/2015	18601	Comcast	6200 · Professional Ser...		197.82	X		927,358.72
10/01/2015	18602	Comtech Communic...	6720 · Fixed Assets		59,487.91	X		867,870.81
10/01/2015	18603	Cooperative Personn...	6200 · Professional Ser...		2,376.00	X		865,494.81
10/01/2015	18604	Cresco-Sacramento	6120 · Housekeeping		1,992.29	X		863,502.52
10/01/2015	18605	DC Management, LLC	6220 · Rents and Lease...		3,631.84	X		859,870.68
10/01/2015	18606	Doug Veerkamp	6140 · Maintenance of ...		880.23	X		858,990.45
10/01/2015	18607	El Dorado Hills Cha...	6170 · Dues and Subsc...		225.00	X		858,765.45
10/01/2015	18608	Fred Russell (FDC)	6720 · Fixed Assets		5,156.25	X		853,609.20
10/01/2015	18609	Xerox Government S...	6200 · Professional Ser...		750.00	X		852,859.20
10/01/2015	18610	FYI Telecommunicat...	6720 · Fixed Assets		538.75	X		852,320.45
10/01/2015	18611	Gilly's Super Signs	6190 · Office Supplies		86.63	X		852,233.82
10/01/2015	18612	Golden State Emerge...	6140 · Maintenance of ...		201.66	X		852,032.16
10/01/2015	18613	InterState Oil Compa...	-split-		3,760.57	X		848,271.59
10/01/2015	18614	Interwest Consulting ...	-split-		620.00	X		847,651.59
10/01/2015	18615	Lehr Auto Electric, Inc	6140 · Maintenance of ...		432.38	X		847,219.21

El Dorado Hills Fire Department

11/16/2015 1:07 PM

Register: 1000 · Bank of America
 From 10/01/2015 through 10/31/2015
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
10/01/2015	18616	MES - California	6100 · Clothing & Pers...		751.76	X		846,467.45
10/01/2015	18617	Mountain Democrat	6200 · Professional Ser...		577.50	X		845,889.95
10/01/2015	18618	National Garage Doo...	6150 · Maintenance,Str...		240.00	X		845,649.95
10/01/2015	18619	P. G. & E.	-split-		5,823.37	X		839,826.58
10/01/2015	18620	Project Leadership A...	-split-		5,440.00	X		834,386.58
10/01/2015	18621	Raleys	6250 · Transportation a...		121.12	X		834,265.46
10/01/2015	18622	State Compensation ...	6130 · Insurance:6132 ...	Workers Comp	55,515.42	X		778,750.04
10/01/2015	18623	State Fire Training	6240 · Special Expense...		65.00	X		778,685.04
10/01/2015	18624	State Fire Training	6240 · Special Expense...		65.00	X		778,620.04
10/01/2015	18625	Sutphen Corporation	6140 · Maintenance of ...		249.44	X		778,370.60
10/01/2015	18626	Standard Insurance Co.	6000 · Salaries & Wag...	Life Insurance	478.80	X		777,891.80
10/01/2015	18627	UPS Store	-split-		41.56	X		777,850.24
10/01/2015	18628	West Coast Frame/C...	6140 · Maintenance of ...		3,510.81	X		774,339.43
10/01/2015	18629	Managed Health Net...	6200 · Professional Ser...		923.40	X		773,416.03
10/01/2015	18630	Rescue Fire Departm...	6200 · Professional Ser...		50.00	X		773,366.03
10/01/2015	18631	Brad Ballenger	6000 · Salaries & Wag...		256.00	X		773,110.03
10/02/2015	EFT	Nationwide Retireme...	-split-		20,538.63	X		752,571.40
10/02/2015	EFT	P.E.R.S. ING	-split-	PR15-10-1 Con...	3,850.82	X		748,720.58
10/02/2015	EFT	ADP (FSA Dep)	2031 · FSA-Dependent...		384.60	X		748,335.98
10/06/2015	EFT	P.E.R.S. Retirement	-split-	Conf #1000611...	59,916.69	X		688,419.29
10/06/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000611...	802.30	X		687,616.99
10/06/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000611...	3,023.77	X		684,593.22
10/06/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000611...	5,083.82	X		679,509.40
10/06/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000611...	2,275.05	X		677,234.35
10/06/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000611...	773.70	X		676,460.65
10/06/2015	PR15-9-1	Payroll - Taxes	2021 · Federal Tax Wit...	Taxes	101,160.91	X		575,299.74
10/06/2015	PR15-9-1	Payroll - Direct Depo...	2021 · Federal Tax Wit...	Direct Deposit	266,638.60	X		308,661.14
10/06/2015	PR15-9-1	Payroll - Checks	2021 · Federal Tax Wit...	Payroll Checks	272.78			308,388.36
10/07/2015	EFT	U.S. Bank Telepay	2010 · Accounts Payable	Confirmed 114...	24,422.34	X		283,966.02
10/08/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		13.85	X		283,952.17
10/09/2015	EFT	ADP	6200 · Professional Ser...		313.77	X		283,638.40
10/10/2015	EFT	Bank of America	-split-	Authorized Re...	1,839.43	X		281,798.97
10/12/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		10.00	X		281,788.97
10/13/2015		Transfer from LAIF	1074 · Local Agency I...	Confirm #1480...		X	500,000.00	781,788.97
10/13/2015	EFT	ADP (FSA Dep)	2031 · FSA-Dependent...		1,127.73	X		780,661.24
10/14/2015	EFT	P.E.R.S. ING	-split-	PR15-10-2 Con...	3,850.82	X		776,810.42
10/14/2015	EFT	Nationwide Retireme...	-split-		20,188.63	X		756,621.79
10/14/2015	18632	All Star Printing	-split-		744.98	X		755,876.81
10/14/2015	18633	Aramark	-split-	Rags	149.32	X		755,727.49
10/14/2015	18634	Arnolds for Awards	6190 · Office Supplies		456.88	X		755,270.61

El Dorado Hills Fire Department

11/16/2015 1:07 PM

Register: 1000 · Bank of America
 From 10/01/2015 through 10/31/2015
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
10/14/2015	18635	Arrow International, ...	6160 · Medical Supplie...		1,283.65			753,986.96
10/14/2015	18636	AT&T (CALNET 2)	-split-		615.27	X		753,371.69
10/14/2015	18637	Atwood Insurance	6130 · Insurance:6131 ...		50,599.00	X		702,772.69
10/14/2015	18638	Best Best & Krieger	6200 · Professional Ser...		436.80	X		702,335.89
10/14/2015	18639	Big O Tires	6140 · Maintenance of ...		242.18	X		702,093.71
10/14/2015	18640	Burkett's	-split-		74.52	X		702,019.19
10/14/2015	18641	Carbon Copy, Inc	6140 · Maintenance of ...		422.00	X		701,597.19
10/14/2015	18642	Comcast Business	6110 · Communication...		930.65	X		700,666.54
10/14/2015	18643	Commercial Fitness	-split-		23,176.66	X		677,489.88
10/14/2015	18644	CrewBoss	6100 · Clothing & Pers...		9,634.48			667,855.40
10/14/2015	18645	Deal Heating & Air, ...	6150 · Maintenance,Str...		341.25	X		667,514.15
10/14/2015	18646	Dish Network	6200 · Professional Ser...		13.72	X		667,500.43
10/14/2015	18647	Doug Veerkamp	6140 · Maintenance of ...		5,679.66	X		661,820.77
10/14/2015	18648	El Dorado County Tr...	6240 · Special Expense...		6,318.48	X		655,502.29
10/14/2015	18649	El Dorado Disposal S...	-split-	Garbage	708.37	X		654,793.92
10/14/2015	18650	El Dorado Irrigation ...	-split-	Water/Sewer	187.98	X		654,605.94
10/14/2015	18651	Fit Guard	6140 · Maintenance of ...		450.00	X		654,155.94
10/14/2015	18652	Gold Country Media	6200 · Professional Ser...		225.00	X		653,930.94
10/14/2015	18653	InterState Oil Compa...	-split-		7,792.84	X		646,138.10
10/14/2015	18654	Kaiser Foundation H...	-split-		1,225.00	X		644,913.10
10/14/2015	18655	Lexipol, LLC	6200 · Professional Ser...		6,649.50	X		638,263.60
10/14/2015	18656	L.N. Curtis & Sons	-split-		7,204.69	X		631,058.91
10/14/2015	18657	MES - California	6100 · Clothing & Pers...		262.63	X		630,796.28
10/14/2015	18658	Physio-Control, Inc.	6160 · Medical Supplie...		4,430.05	X		626,366.23
10/14/2015	18659	P. G. & E.	-split-		3,719.75	X		622,646.48
10/14/2015	18660	Preferred Alliance, Inc.	6200 · Professional Ser...		42.00	X		622,604.48
10/14/2015	18661	Project Leadership A...	-split-		3,553.53	X		619,050.95
10/14/2015	18662	Riebes Auto Parts	-split-		506.98	X		618,543.97
10/14/2015	18663	Rotary	6170 · Dues and Subsc...		150.00	X		618,393.97
10/14/2015	18664	Sac-Val Janitorial Su...	6120 · Housekeeping	VOID:		X		618,393.97
10/14/2015	18665	Suds Car Wash, Inc.	6140 · Maintenance of ...		16.19	X		618,377.78
10/14/2015	18666	Verizon Wireless	-split-		2,968.02	X		615,409.76
10/15/2015	EFT	P.E.R.S. Retirement	-split-	Conf #1000615...	59,912.92	X		555,496.84
10/15/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000615...	802.30	X		554,694.54
10/15/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000615...	2,602.90	X		552,091.64
10/15/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000615...	5,178.19	X		546,913.45
10/15/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000615...	2,275.05	X		544,638.40
10/15/2015	EFT	P.E.R.S. Retirement (...)	6000 · Salaries & Wag...	Conf# 1000615...	773.70	X		543,864.70
10/15/2015	EFT	Bank Charges	6190 · Office Supplies	Bank Charges	140.52			543,724.18
10/15/2015	EFT	Bank Charges	6190 · Office Supplies	Bank Charges	174.40	X		543,549.78

El Dorado Hills Fire Department

11/16/2015 1:07 PM

Register: 1000 · Bank of America
 From 10/01/2015 through 10/31/2015
 Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
10/15/2015	18667	Wells Fargo Bank	2026 · EDH Associate...	Payroll Deducti...	2,215.20	X		541,334.58
10/15/2015	PR15-10-2	Payroll - Taxes	2021 · Federal Tax Wit...	Taxes	57,560.65	X		483,773.93
10/15/2015	PR15-10-2	Payroll - Direct Depo...	2021 · Federal Tax Wit...	Direct Deposit	207,486.55	X		276,287.38
10/15/2015	PR15-10-2	Payroll - Checks	2021 · Federal Tax Wit...	Payroll Checks	219.98			276,067.40
10/16/2015	EFT	ADP (FSA Dep)	2031 · FSA-Dependent...		384.60	X		275,682.80
10/19/2015	18668	DMV Renewal	6240 · Special Expense...		3,267.00	X		272,415.80
10/20/2015		Deposit	-split-	Deposit		X	1,326.00	273,741.80
10/20/2015		Deposit	-split-	Deposit		X	51,697.35	325,439.15
10/21/2015	EFT	Deposit	-split-	Deposit		X	2,233,360.11	2,558,799.26
10/21/2015		Transfer to LAIF	1074 · Local Agency I...	Confirm #1483...	1,500,000.00	X		1,058,799.26
10/21/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		25.00	X		1,058,774.26
10/22/2015	EFT	Employment Develo...	2029 · Other Payable	Conf#1-281-14...	902.23	X		1,057,872.03
10/22/2015	EFT	Nationwide Retireme...	-split-		19,888.63	X		1,037,983.40
10/23/2015	EFT	ADP	6200 · Professional Ser...		308.51	X		1,037,674.89
10/23/2015	EFT	ADP (FSA Service C...	-split-		92.17	X		1,037,582.72
10/24/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		50.51	X		1,037,532.21
10/26/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		15.00	X		1,037,517.21
10/27/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		29.84	X		1,037,487.37
10/29/2015	eft	P.E.R.S. ING	-split-	PR15-10-3 Con...	4,101.95	X		1,033,385.42
10/29/2015	EFT	P.E.R.S. Health	-split-	Health Benefits...	144,700.26	X		888,685.16
10/29/2015	EFT	ADP (FSA Dep)	2031 · FSA-Dependent...		384.60	X		888,300.56
10/29/2015	PR15-10-3	Payroll - Taxes	2021 · Federal Tax Wit...	Taxes	120,157.15	X		768,143.41
10/29/2015	PR15-10-3	Payroll - Direct Depo...	2021 · Federal Tax Wit...	Direct Deposit	263,818.59	X		504,324.82
10/29/2015	PR15-10-3	Payroll - Checks	2021 · Federal Tax Wit...	Payroll Checks				504,324.82
10/30/2015	EFT	Nationwide Retireme...	-split-		42,338.63	X		461,986.19
10/30/2015	EFT	ADP (FSA)	2032 · FSA-Medical C...		180.00			461,806.19

El Dorado Hills Fire Department Revenue and Expense Summary October 2015

	Final Budget Fiscal Year 2015-2016	Actual Revenue Collected October 2015	Actual Revenue Collected YTD October 31, 2015	Unrealized Revenues More Revenue than Expected	% of Revenue Collected
Revenue					
3240 - Tax Revenue					
3260 - Secured Tax Revenue	14,285,616	234,661	247,770	14,037,846	1.73%
3270 - Unsecured Tax Revenue		9,605	259,051	(259,051)	100.00%
3280 - Homeowners Tax Revenue		-	-	-	0.00%
3320 - Supplemental Tax Revenue	135,000	2,575	22,026	112,974	16.32%
3335 - Latrobe Tax Revenue	256,651	-	-	256,651	0.00%
3330 - Sacramento County Revenue		-	151	(151)	100.00%
Total 3240 - Tax Revenue	14,677,267	246,841	528,997	14,148,270	3.60%
3510 - Misc. Operating Revenue					
3511 - Contributions/Prev Fees	25,000	32,926	52,852	(27,852)	211.41%
3512 - JPA Revenue	804,000	-	-	804,000	0.00%
3513 - Rental Income (Cell site)	24,000	2,005	6,015	17,985	25.06%
3515 - OES/Mutual Aid Reimbursement	400,000	182,126	219,087	180,913	54.77%
3520 - Interest Earned	40,000	11,228	11,829	28,171	29.57%
3510 - Misc. Operating Revenue - Other	86,000	14,028	14,608	71,392	16.99%
Total 3510 - Misc. Operating Revenue	1,379,000	242,313	304,391	1,074,609	22.07%
3550 - Development Fee					
3560 - Development Fee Revenue	1,075,000	-	-	1,075,000	0.00%
3561 - Development Fee Interest		788	3,310	(3,310)	100.00%
Total 3550 - Development Fee	1,075,000	788	3,310	1,071,690	0.31%
Total Revenue	17,131,267	489,943	836,698	16,294,569	
- Transfers (Board Authorized)					
Transfer from Capital Res/Sale of Assets	864,300	-	-	864,300	0.00%
Transfer from Development Fee Reserve	273,000	-	-	273,000	0.00%
Transfer from General Reserve Fund	2,419,576	-	-	2,419,576	0.00%
Total Transfers	3,556,876	-	-	3,556,876	0.00%
Total Revenue and Transfers	20,688,143	489,943	836,698	19,851,445	4.04%

Notes: Tax Revenue for current month is not available. Tax Revenue collected/received in January and April. County Tax Collection Fees \$_____.

**El Dorado Hills Fire Department
Revenue and Expense Summary
October 2015**

	Final Budget Fiscal Year 2015-2016	Actual Expended October 2015	Actual Expended YTD October 31, 2015	Remaining Balance Available	% of Budget Expended
Expense					
6000 - Salaries & Wages					
6001 - Salaries & Wages, Fire	5,727,313	612,209	1,848,428	3,878,885	32.27%
6011 - Education Pay	404,100	43,735	129,400	274,700	32.02%
6016.1 - Salaries & Wages, Clerical/Misc	402,659	53,218	152,657	250,002	37.91%
6016.2 - Salaries & Wages, Prevention	198,192	16,162	48,101	150,091	24.27%
6017 - Volunteer Pay	115,000	-	-	115,000	0.00%
6018 - Director Pay	16,000	1,200	5,100	10,900	31.88%
6019 - Overtime					
6019.1 - Overtime, Operational	1,450,000	109,307	765,747	684,253	52.81%
6019.2 - Overtime, Outside Aid	400,000	148,621	182,627	217,373	45.66%
6019.3 - Overtime, JPA	100,000	8,602	38,296	61,704	38.30%
Total 6019 - Overtime	1,950,000	266,529	986,670	963,330	50.60%
6020 - P.E.R.S. Retirement					
6020 - P.E.R.S. Retirement	2,270,041	111,066	957,675	1,312,366	42.19%
6031 - Life Insurance	6,895	479	1,847	5,048	26.79%
6032 - P.E.R.S. Health Benefits	1,343,892	212,013	520,001	823,891	38.69%
6033 - Disability Insurance	14,040	1,053	4,076	9,965	29.03%
6034 - Health Cost of Retirees	746,000	79,908	494,500	251,500	66.29%
6040 - Dental/Vision Expense	169,200	15,457	48,644	120,556	28.75%
6050 - Unemployment Insurance	18,248	145	1,841	16,407	10.09%
6060 - Vacation & Sick Expense Reserve	100,000	12,643	19,782	80,218	19.78%
6070 - Medicare	130,893	14,004	46,558	84,335	35.57%
Total 6000 - Salaries & Wages	13,612,473	1,439,820	5,265,280	8,347,193	38.68%
6100 - Clothing & Personal Supplies					
6100 - Clothing & Personal Supplies	77,900	13,541	34,967	42,933	44.89%
6110 - Communications					
6111 - Business Phones	69,740	5,332	19,813	49,927	28.41%
6112 - Dispatch Services	108,700	-	-	108,700	0.00%
Total 6110 - Communications	178,440	5,332	19,813	158,627	11.10%

Revenue and Expenditures should be 33%
Date prepared: 11/16/2015

**El Dorado Hills Fire Department
Revenue and Expense Summary
October 2015**

	Final Budget Fiscal Year 2015-2016	Actual Expended October 2015	Actual Expended YTD October 31, 2015	Remaining Balance Available	% of Budget Expended
6120 · Housekeeping	23,300	4,939	11,180	12,120	47.98%
6130 · Insurance					
6131 · General Insurance (Annual)	62,000	50,537	50,537	11,463	81.51%
6132 · Workers Compensation	759,282	55,515	222,062	537,220	29.25%
Total 6130 · Insurance	<u>821,282</u>	<u>106,052</u>	<u>272,599</u>	<u>548,683</u>	<u>33.19%</u>
6140 · Maintenance of Equipment					
6141 · Tires	25,000	242	6,602	18,398	26.41%
6142 · Parts & Supplies	10,000	7,071	9,159	841	91.59%
6143 · Outside Work	110,500	1,414	10,091	100,409	9.13%
6144 · Equipment Maintenance	142,950	19,959	52,331	90,619	36.61%
6145 · Radio Maintenance	5,700	-	1,884	3,816	33.06%
Total 6140 · Maintenance of Equipment	<u>294,150</u>	<u>28,686</u>	<u>80,067</u>	<u>214,083</u>	<u>27.22%</u>
6150 · Maintenance, Structures & Ground	99,310	8,330	22,466	76,844	22.62%
6160 · Medical Supplies				-	0.00%
6161 · Medical Supplies	3,900	5,871	8,608	(4,708)	220.73%
Total 6160 · Medical Supplies	<u>3,900</u>	<u>5,871</u>	<u>8,608</u>	<u>(4,708)</u>	<u>220.73%</u>
6170 · Dues and Subscriptions	9,110	379	5,743	3,367	63.04%
6180 · Miscellaneous					
6181 · Miscellaneous	4,000	12	245	3,755	6.12%
6182 · Honor Guard	4,000	-	-	4,000	0.00%
6183 · Explorer Program	1,500	-	-	1,500	0.00%
6183 · Pipes and Drums	3,000	-	-	3,000	0.00%
Total 6180 · Miscellaneous	<u>12,500</u>	<u>12</u>	<u>245</u>	<u>12,255</u>	<u>1.96%</u>
6190 · Office Supplies	20,850	2,594	7,213	13,637	34.59%

Revenue and Expenditures should be 33%
Date prepared: 11/16/2015

**El Dorado Hills Fire Department
Revenue and Expense Summary
October 2015**

	Final Budget Fiscal Year 2015-2016	Actual Expended October 2015	Actual Expended YTD October 31, 2015	Remaining Balance Available	% of Budget Expended
6200 - Professional Services					
6201 - Audit	10,500			10,500	0.00%
6202 - Legal	120,000	537	913	119,087	0.76%
6203 - Notices	3,500	803	855	2,645	24.42%
6204 - Misc.	374,650	13,675	83,185	291,465	22.20%
6205 - Elections/Tax Administration	1,000		-	1,000	0.00%
Total 6200 - Professional Services	509,650	15,014	84,954	424,696	16.67%
6220 - Rents and Leases - Buildings	25,928	3,632	15,724	10,204	60.65%
6230 - Small Tools and Supplies	57,300	882	17,597	39,703	30.71%
6240 - Special Expenses					
6241 - Training	90,500	10,440	27,951	62,549	30.89%
6242 - Fire Prevention	13,250	1,788	10,663	2,587	80.47%
6243 - Licenses	1,000	3,267	3,267	(2,267)	326.70%
6244 - Directors' Training & Travel	3,000	-		3,000	0.00%
Total 6240 - Special Expenses	107,750	15,495	41,880	65,870	38.87%
6250 - Transportation and Travel					
6251 - Fuel and Oil	80,000	6,943	18,695	61,305	23.37%
6252 - Travel	20,000	1,237	3,194	16,806	15.97%
6253 - Meals & Refreshments	20,000	2,632	7,145	12,855	35.72%
Total 6250 - Transportation and Travel	120,000	10,812	29,034	90,966	24.20%
6260 - Utilities					
6261 - Electricity	65,000	9,250	24,759	40,241	38.09%
6262 - Natural Gas/Propane	25,000	293	1,179	23,821	4.72%
6263 - Water/Sewer	14,000	188	2,506	11,494	17.90%
Total 6260 - Utilities	104,000	9,731	28,444	75,556	27.35%
6560 - Payroll Expense - PERS Side Fund	1,200,000	0.00	0.00	1,200,000	0.00%
6720 - Fixed Assets	3,410,300	93,094	1,344,961	2,065,339	39.44%
6999 - Contingencies	0	-	-	-	0.00%
Total Budget and Expenses	20,688,143	1,764,216	7,290,775	13,397,368	35.24%
Net Revenue/Expenses Over/Short +/-	0	(1,274,273)	(6,454,077)		

Revenue and Expenditures should be 33%

Date prepared: 11/16/2015



EL DORADO HILLS FIRE DEPARTMENT

"Serving the Communities of El Dorado Hills, Rescue and Latrobe"

October 22, 2015

Chairman Brian Veerkamp
El Dorado County Board of Supervisors
330 Fair Lane
Placerville, CA 95667

Dear Chairman Veerkamp:

Please be advised that the El Dorado Hills Fire Department / County Water District has not received the agreed transfer of \$256,651 for either the 2014-2015 or 2015-2016 fiscal years as established in Resolution 064-2014. Our district entered into this agreement with the County in good faith and in doing so assumed a large portion of the cost and liability of providing emergency services to the Latrobe area under the Latrobe Annexation agreement. We now understand that due to procedural issues on the County's side there are some legal challenges as to the validity of the resolution. We understand that mistakes can be made especially on complex matters such as these, and therefore have been patient while being assured that these issues would be rectified and our district would be made whole as per the original agreement. Our financial audit currently shows that we are still expecting the following transfers:

2014-15 Transfer	\$256,651
2015-16 Transfer	<u>256,651</u>
Total	\$513,302

The County also agreed to ensure that the District receives annual increases or decreases upon the base amount to reflect the annual change in assessed valuation.

Additionally the County agreed that there would be no ERAF shift on the transfer and that the \$256,651 is the net amount to be transferred.

We respectfully request that the Board of Supervisors expedite the resolution of this issue and transfer the funds according to agreement. Please contact me if you have any questions.

Sincerely,

David C. Roberts, Fire Chief

cc: Supervisor Mikulaco
Supervisor Frenzen
Supervisor Novasel
Supervisor Ranalli
Counsel Michael Cook
El Dorado Hills Board of Directors

Request by Kubick and Summers for a Development Fee Refund

Summary:

This is a request by Robert Kubick and Victoria Summers to the Board of Directors to request a refund for Development Fees charged for the following permit:

Permit # 199476 \$696

This permit application was paid and the permit was issued on December 8, 2010. This permit was issued for pool house at 2335 Loch Way, El Dorado Hills, CA 95762.

Per the El Dorado Hills Fire Department Protection Standard A-001 "Development Fee," the fees should be refunded with the exception of a 1% processing fee.

Fiscal Impact:

Fees paid:	\$696
1% Processing Fee:	\$6.96

Total Refund	\$689.04

Recommendation:

Staff recommends the fees be refunded with the exception of a 1% processing fee.

Fax: 916 933-1278 10-8-2015

To Connie + Marshall Cox,

On 12/8/2010 we were issued a fire permit for our (potential) new pool house. We paid \$696.00 for it..

We have withdrawn the permit because we never built the pool house. Please refund us money.

Thank you permit #
199476-1

Rob Kubick
+ Victoria Summers

email: victoria95762@yahoo.com

RFP Regarding: Community Risk Assessment (CRA), Standards of Cover (SOC), and Facilities Master Plan (FMP)

Summary:

On September 17th 2015 we released an RFP (Request for Proposal) to provide El Dorado Hills Fire Department with a comprehensive Community Risk Assessment (CRA), Standards of Cover (SOC), and Facilities Master Plan (FMP) document(s). The deadline for the proposals was October 23rd 2015 at 16:00 hours. El Dorado Hills Fire Department received three proposals. The three participants were;

1. Public Safety Solutions, Inc. (PSSI) based out of Chester, MD.
2. CityGate Associates LLC. Based out of Folsom, CA.
3. Fitch and Associates, based out of Platt City, MO

All three proposers were compliant with the requirements outlined in the RFP.

While reviewing these proposals it was important for us to consider that the finished product of this RFP will provide three of the most important documents ever produced for our Fire District and the Citizens we protect. Countless future decisions will be made regarding; facilities, budget, staffing, promotions, resource deployment, training, fire prevention, succession planning, response times, setting future development fees, and finally International Accreditation through the Center for Public Safety Excellence and the Commission on Fire Accreditation International. While cost is an important aspect of any decision we make, in this instance we believe that the end product which has the potential to impact millions of dollars in future spending, and our service delivery to our citizens was the most important aspect to keep in mind during our evaluation. While there is a significant cost difference between proposals the confidence we have in the vendor's knowledge and experience to produce documents that will stand up to the scrutiny, rigors, and high standards of our organization, its citizens, and the end goal of International Accreditation was limited to CityGate Associates, LLC.

Additionally, the operational knowledge related to the California Fire Service, and more specifically the local knowledge of the El Dorado County Emergency Services System weighed heavily in our decision process. As part of our due diligence we not only called the references listed on the proposals, but we researched past the provided references. This in depth research found that an "apples to apples" comparison of the proposals was difficult because of the dissimilarity of projects provided by the other vendors. While most references we contacted were happy with the work that Fitch and PSSI completed, CityGate was the only vendor that has completed numerous CRA, SOC, and FMP projects, all with very high reference satisfaction.

Understanding the immense scope of work and required level of detail related to providing these three in depth documents as outlined above we were very skeptical that the lower bidders understood the full scale of work to be performed. It is also important to understand that CityGate Associates were the originators of the Community Risk Assessment and Standards of Cover concepts for determining Fire Department resource deployment and operations years ago. Furthermore, CityGate Associates utilizes third party specialists for Statistical Analysis and Geo-Mapping. Working with Animated Data, Inc. utilizing their proprietary software (StatsFD) to provide statistical analysis of incident response times, and staffing models, along with The Omega Group, a nationally recognized public safety mapping analytic and tactical software solution provider for the critical task of determining emergency call “heat mapping”, station location, first due assignments, response time analysis, and mutual aid strategies. We feel that having specialists with a proven history of success for these crucial tasks is essential to the quality and success of this project.

Fiscal Impact:

1. Public Safety Solutions, Inc. (PSSI)	\$49,850
2. CityGate Associates LLC.	\$77,863
3. Fitch and Associates	\$49,825

Recommendation:

For the reasons listed above we recommend awarding the contract to CityGate Associates, LLC.

RFP Evaluation Worksheet

CRA, SOC, FMP

Criteria	FITCH	PSSI	CityGate
Corporate Location	Platte Citi, MO	Playa Del Rey, CA	Folsom, CA
Qualifications / Experience	Qual / Exp	Qual / Exp	Qual / Exp
Community Risk Assessment	4 / 3	3 / 3	5 / 5
Standards of Cover	4 / 3	3 / 3	5 / 5
Facilities Master Plan	3 / 3	3 / 3	5 / 5
Performance			
Community Risk Assessment	4	3	5
Standards of Cover	4	3	5
Facilities Master Plan	3	3	5
Industry Knowledge			
Community Risk Assessment	4	3	5
Standards of Cover	4	3	5
Facilities Master Plan	3	3	5
Servicability of Contract			
Process	4	4	5
Customer Service	4	4	5
Convenience	3	3	5
Estimated Time To Completion	9 Months	5 Months	5 Months
Communications and Follow-up	5	5	5
Service & Support Capabilities	5	5	5
Insurance Requirements Met	Yes	Yes	Yes
Proposal Compliant	Yes	Yes	Yes
Sole Source (SS) or Third Party (TP)	SS	SS	SS + TP Map
References	4	3.5	5
COST	\$49,825	\$49,850	\$77,863

Rating Scale

- 1 = No Confidence
- 2 = Low Confidence
- 3 = Moderate Confidence
- 4 = Good Confidence
- 5 = Excellent Confidence

EL DORADO HILLS FIRE DEPARTMENT



MONTHLY ACTIVITY REPORT OCTOBER 2015 "YOUR SAFETY ... OUR COMMITMENT"

ALARM STATISTICS

Response District	Total Number of Responses – OCT 2015	Total Number of Responses –2015	Total Number of Responses – OCT 2014	Total Number of Responses –2014
84-A	2	37	4	52
84-B	3	46	4	38
84-C	14	153	18	141
84-D	1	19	2	22
84-E	3	52	5	47
84-F	13	109	12	103
84-G	4	57	1	54
84-H	5	30	3	29
85-A	21	192	16	220
85-B	7	56	1	48
85-C	16	172	10	142
85-D	14	103	10	124
86-A	9	66	4	83
86-B	24	138	12	119
86-C	7	74	10	98
86-D	8	64	1	41
86-E	0	11	0	15
87-A	13	142	13	216
87-B	5	35	4	36
87-C	12	101	5	72
87-D	7	83	10	81
87-E	7	55	4	47
91-A	2	17	N/A	N/A
91-B	0	11	N/A	N/A
91-C	1	21	N/A	N/A
92	1	19	N/A	N/A
Mutual Aid	60	536	52	501
Transfer	12	111	5	75
Rescue FPD	2	23	N/A	0
TOTALS	274	2533	2806	2404

91.3% Medic Unit Response, 10 Minutes (before exception reports)

93.0% Medic Unit Response, 11 Minutes (before exception reports)

Report: Queries – Incident – NFIRS Incident – Incident By District (Summary) Note: Run all Districts on 1 page

CODE 3 RESPONSE TIME ANALYSIS

Response District	Total Number of Responses	Number of Code 3 Responses	Average Code 3 Response Time	SOC Benchmark Total Response Time (includes 1 min dispatch, 2 min turnout, plus travel)*	Compliance?
84-A	2	0	0:00	Rural 15min	N/A
84-B	3	3	3:47	Suburban 8min	Yes
84-C	14	10	6:06	Suburban 8min	Yes
84-D	1	0	0:00	Suburban 8min	N/A
84-E	3	1	4:05	Suburban 8min	Yes
84-F	13	6	3:05	Suburban 8min	Yes
84-G	4	2	7:58	Suburban 8min	Yes
84-H	5	0	0:00	Suburban 8min	N/A
85-A	21	11	3:53	Suburban 8min	Yes
85-B	7	2	4:49	Suburban 8min	Yes
85-C	16	9	2:44	Suburban 8min	Yes
85-D	14	3	5:52	Suburban 8min	Yes
86-A	9	3	5:26	Suburban 8min	Yes
86-B	24	8	6:08	Suburban 8min	Yes
86-C	7	3	4:55	Suburban 8min	Yes
86-D	8	2	5:43	Suburban 8min	Yes
86-E	0	0	N/A	Rural 15min	N/A
87-A	13	7	4:38	Suburban 8min	Yes
87-B	5	2	4:46	Suburban 8min	N/A
87-C	12	8	5:59	Suburban 8min	Yes
87-D	7	6	3:34	Suburban 8min	Yes
87-E	7	1	5:56	Suburban 8min	Yes
91-A	2	0	N/A	Rural 15min	N/A
91-B	0	0	N/A	Rural 15min	N/A
91-C	1	0	N/A	Rural 15min	N/A
92	1	0	0:00	Rural 15 min	N/A

*San Ramon SOC – Board Policy Response Time Benchmark Goals

Report: Queries – Incident – NFIRS Incident – Incident By District (Summary) = Total # Responses

Report: Reports – Incident – EDH Code 3 District Response Report GRP by Dist= # Code 3/Avg Response Time

CODE 3 TURNOUT TIME ANALYSIS

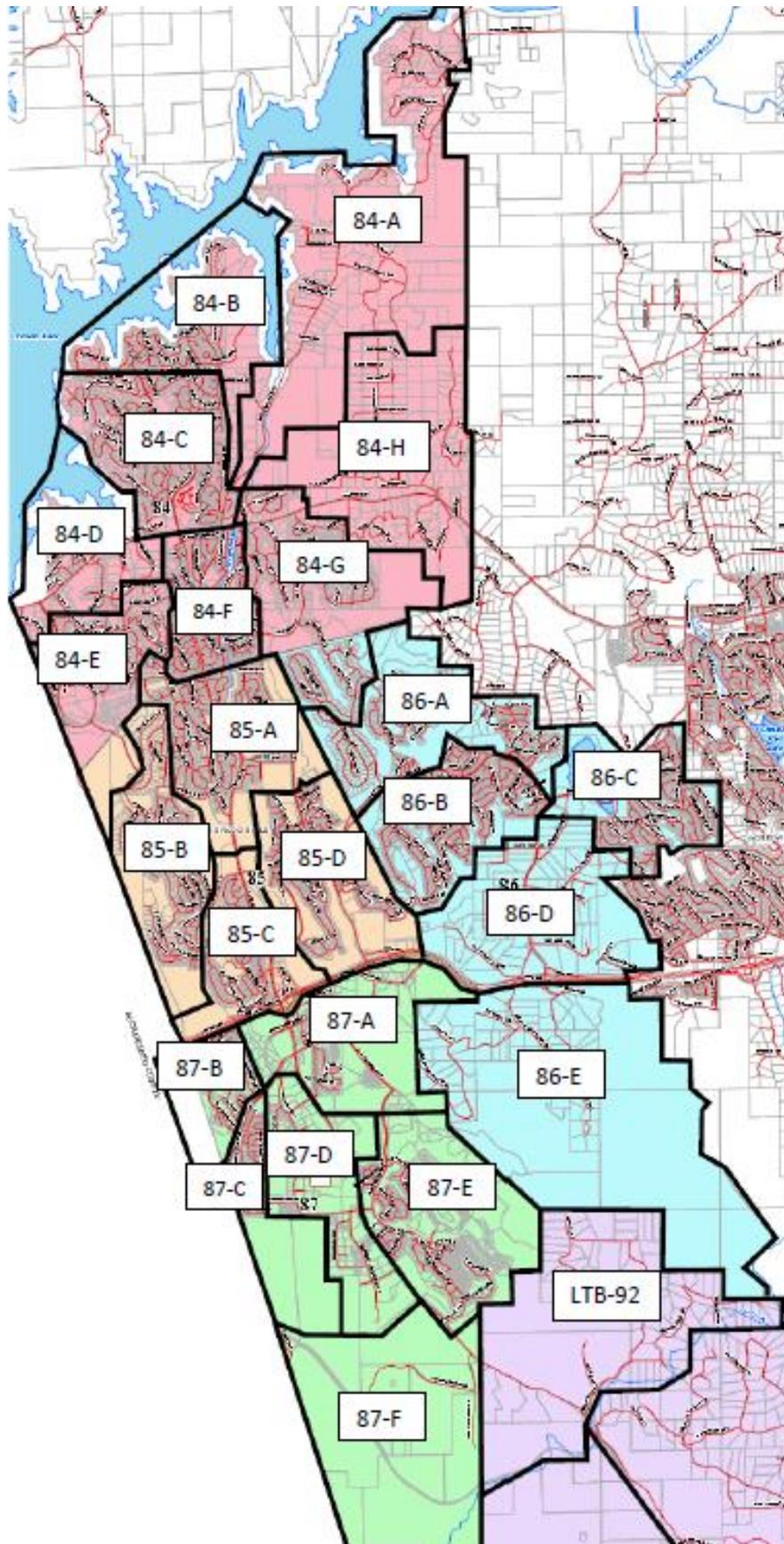
SOC Benchmark Turnout Time Goal 90 Seconds

Unit	Total Number of Responses	Average Turnout time	Compliance?
E84	52	00:00:52	Yes
E85	31	00:00:48	Yes
T85	27	00:00:54	Yes
E86	56	00:00:41	Yes
E87	50	00:01:04	Yes
P91	11	00:00:33	Yes
M85	130	00:00:45	Yes

Report: Reports – Incident – Unit Responses By Unit = Turnout Time

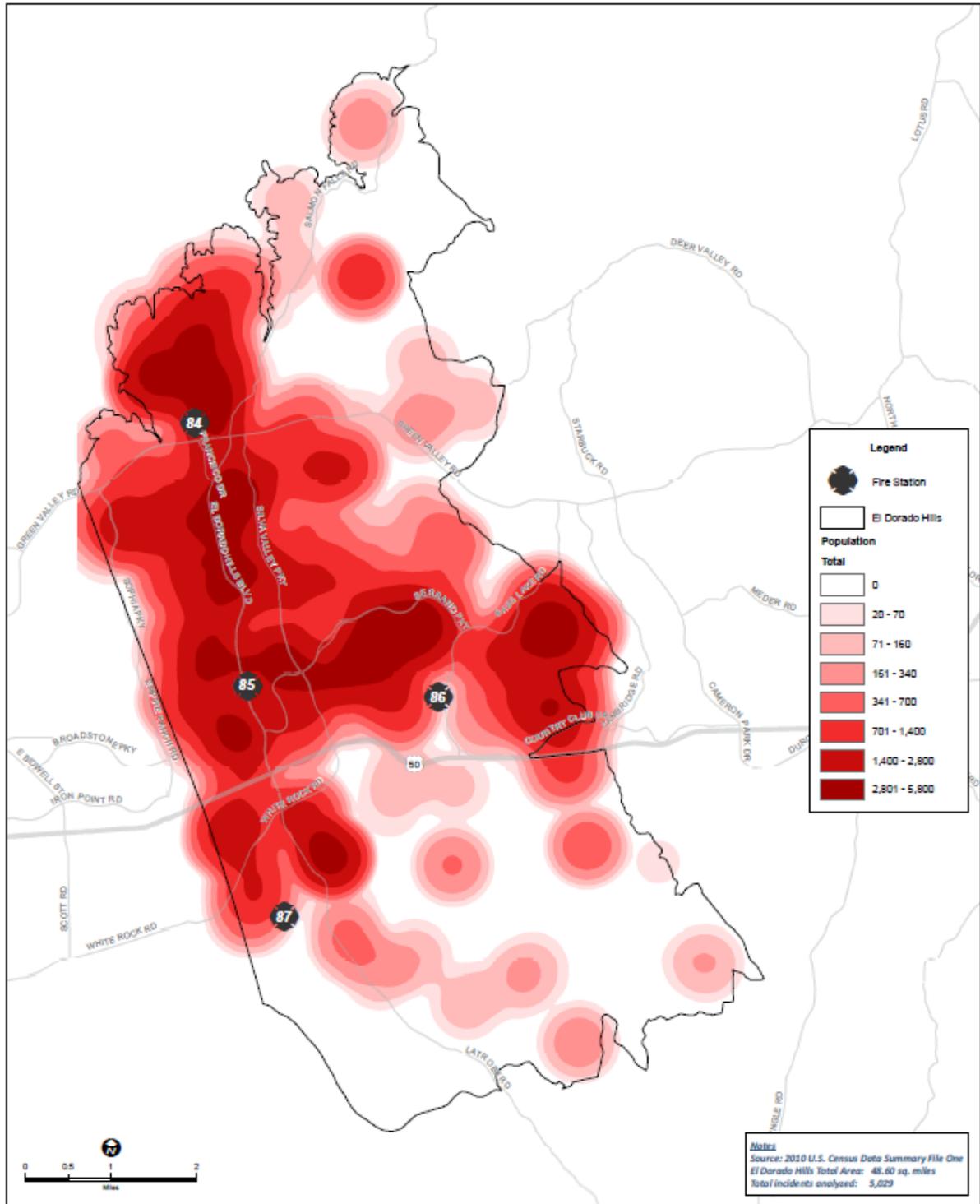
INCIDENT TYPE ANALYSIS

Fires:	
Structure	2
Grass/Brush	3
Vehicle/Misc.	1
Total Fires	6
Medical Aids:	
General	91
Trauma	19
Cardiac	14
Respiratory	6
Transfers	12
Total Medical Aids	142
Vehicle Accidents	16
Hazardous Calls:	
Gas Leak	1
Accident/Potential	1
Total Hazardous	2
Service Calls:	
General Service	23
Smoke Removal	3
Animal/Snake	25
Total	51
Cover/Move-up	5
Good intent call	4
Cancelled Calls	24
Authorized Burning	1
False Fire Alarm all	23
TOTAL	274





El Dorado Hills Fire Department Total Population per Square Mile



Resolution No. 2015-15
El Dorado Hills County Water District

Resolution of Appreciation
to
Chief Financial Officer Connie Bair

WHEREAS, **CHIEF FINANCIAL OFFICER CONNIE BAIR** has provided loyal, dedicated, and outstanding service to the community of El Dorado Hills and the El Dorado Hills Fire Department during her thirty-two years of service from December 27, 1983 through October 20, 2015; and

WHEREAS, Chief Financial Officer Bair has brought her vast knowledge and experience in accounting, finance, payroll, and fiscal long range planning, and became known for her unparalleled work ethic, often working while on vacation to ensure that time sensitive District finances and payroll were submitted on time. Additionally, CFO Bair played a key role in making the District one of the most financially stable Fire Districts in California establishing critical reserve accounts to ensure future obligations were funded positioning the District for long-term financial strength, and

WHEREAS, CFO Bair always kept informed of emerging economic and legal trends affecting the District's financial operations positioning the Department for success in addition to faithfully serving as the Board Secretary to the El Dorado Hills County Water District Board of Directors; and

WHEREAS, Chief Financial Officer Bair has given unselfishly of her time and interest during the years that she served the District, building trusted relationships with representatives from the County, Public Employees Retirement System, State Board of Equalization, auditors, vendors, directors, and many others; providing leadership and excellence in all areas of responsibility; and

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE EL DORADO HILLS COUNTY WATER DISTRICT, that this Board does, on behalf of the District and all its inhabitants, express warm thanks, appreciation and gratitude to CHIEF FINANCIAL OFFICER CONNIE BAIR for her leadership and service and does further extend to her best wishes in retirement from the El Dorado Hills Fire Department and for continued success in all future endeavors.

PASSED AND ADOPTED THIS 19th DAY OF NOVEMBER 2015.

Barbara Winn, President

ATTEST:

Jessica Braddock, Board Secretary

Exception to the 180-Day Waiting Period – Resolution 2015-16

Summary:

This is a resolution to comply with Government Code section 75522.56, so that the El Dorado Hills County Water District can hire retired Chief Financial Officer Connie Bair before 180 days has passed since her retirement date.

CFO Bair has 32 years with the El Dorado Hills Fire Department and has history and knowledge related to this agency and County that may be needed in the future. There is also a vast amount of tasks and projects that need to be completed daily, weekly, monthly and annually. This resolution allows the District to hire CFO Bair hourly as need arise.

The District has always been concerned about cross-staffing and with the limited Administrative help this has not been possible. This Resolution would allow CFO Bair to fill in when there is an emergency need, planned or unplanned.

Fiscal Impact:

The fiscal impact is the hourly rate of pay for the number of hours worked not to exceed \$12,034.

Recommendation:

Staff's recommendation is to adopt Resolution 2015-16 as presented.

EL DORADO HILLS COUNTY WATER DISTRICT

RESOLUTION 2015-16

RESOLUTION FOR EXCEPTION TO THE 180-DAY WAIT PERIOD GC sections 7522.56 & 21224

WHEREAS, in compliance with Government Code section 7522.56 the El Dorado Hills County Water District must provide CalPERS this certification resolution when hiring a retiree before 180 days has passed since his or her retirement date; and

WHEREAS, Connie L. Bair, retired from the El Dorado Hills County Water District in the position of Chief Financial Officer, effective October 27, 2015; and

WHEREAS, section 7522.56 requires that post-retirement employment commence no earlier than 180 days after the retirement date, which is April 27, 2016 without this certification resolution; and

WHEREAS, section 7522.56 provides that this exception to the 180 day wait period shall not apply if the retiree accepts any retirement-related incentive; and

WHEREAS, the El Dorado Hills County Water District and Connie L. Bair certify that Connie L. Bair has not and will not receive a Golden Handshake or any other retirement-related incentive; and

WHEREAS, the El Dorado County Water District, hereby appoints Connie L. Bair as an extra help retired annuitant to perform the duties of the Chief Financial Officer for the El Dorado Hills County Water District under Government Code section 21224 effective November 19, 2015; and

WHEREAS, the entire employment agreement, contract or appointment document between Connie L. Bair and the El Dorado Hills County Water District has been reviewed by this body and is attached herein; and

WHEREAS, no matters, issues, terms or conditions related to this employment and appointment have been or will be placed on a consent calendar; and

WHEREAS, the employment shall be limited to 960 hours per fiscal year; and

WHEREAS, the compensation paid to retirees cannot be less than the minimum nor exceed the maximum monthly base salary paid to other employees performing comparable duties, divided by 173.333 to equal the hourly rate; and

**El Dorado Hills County Water District
Resolution 2015-16**

WHEREAS, the maximum base salary for this position is \$12,034 and the hourly equivalent is \$69.43, and the minimum base salary for this position is \$9,901 and the hourly equivalent is \$57.12; and

WHEREAS, the hourly rate paid to Connie L. Bair will be \$69.43 and

WHEREAS, Connie L. Bair has not and will not receive any other benefit, incentive, compensation in lieu of benefit or other form of compensation in addition to this hourly pay rate; and

THEREFORE, BE IT RESOLVED THAT the El Dorado Hills County Water District hereby certifies the nature of the appointment of Connie L. Bair as described herein. This appointment is necessary to fill the critically needed position of Chief Financial Officer for the El Dorado Hills County Water District by November, 2015. This need is due to the fact that the newly hired Director of Finance has not had the opportunity to train in many key areas because of the lack of frequency of certain work requiring additional knowledge and skills.

The foregoing resolution was duly passed and adopted by the Board of the El Dorado Hills County Water District at a meeting of said Board held on the 19th day of November, 2015, by the following vote:

AYES:

ABSTAIN:

NOES:

ABSENT:

Barbara Winn, President

ATTEST:

Jessica Braddock, Board Secretary

PROFESSIONAL SERVICES AGREEMENT

THIS PROFESSIONAL SERVICES AGREEMENT is made and entered into this ____ day of _____, 2015 ("Agreement"), by and between EL DORADO HILLS FIRE DEPARTMENT, hereinafter referred to as the "AGENCY," and Connie L. Bair, a retired annuitant hereafter referred to as "BAIR."

IN CONSIDERATION of the covenants to hereinafter set forth, the parties hereto mutually agree as follows:

ARTICLE 1 SCOPE OF SERVICES

1.1 Description of Services. BAIR shall perform services related to her past position of Chief Financial Officer.

1.2 Schedule of Work. BAIR shall complete services as requested by AGENCY. There is no guarantee of minimum number of hours to be worked. BAIR will be requested to schedule time to perform services as requested by AGENCY. Phone calls exceeding 15 minutes shall be compensated.

ARTICLE 2 COMPENSATION

2.1 Payment Address. All payments due BAIR shall be paid to:

Connie L. Bair
3505 Campbell Circle
Rescue, CA 95672

2.2 Terms of Compensation. Terms of compensation are \$69.43 per hour. BAIR will maintain a time sheet that identifies the date and times worked. Time sheets shall be submitted bi-weekly to the Director of Finance.

Each time sheet will represent services completed during the prior period unless otherwise noted on the time sheet.

ARTICLE 3 TERMINATION

4.1 Termination of Agreement.

4.1.1 This Agreement may be terminated at any time, with or without cause, by either party upon five (5) days prior written notice.

4.1.2 In the event of termination or cancellation of this Agreement by BAIR or AGENCY, due to no fault or failure of performance by BAIR, BAIR shall be paid compensation for all services performed by BAIR prior to termination.

ARTICLE 4
OWNERSHIP OF DOCUMENTS

5.1 Ownership of Documents and Work Product. All work, reports and other documents prepared by BAIR pursuant to this Agreement are instruments of service, which shall be deemed the property of the AGENCY. AGENCY acknowledges and agrees that all work, reports and other documents prepared by BAIR pursuant to this Agreement shall be used exclusively by AGENCY with or without the written consent of BAIR. In the event AGENCY and BAIR permit the reuse or other use of the work, reports or other documents, AGENCY shall require the party using them to indemnify and hold harmless BAIR regarding any and all references to BAIR.

ARTICLE 5
GENERAL PROVISIONS

6.1 Fair Employment Practices/Equal Opportunity Acts. In the performance of this Agreement, BAIR shall comply with all applicable provisions of the California Fair Employment Practices Act (California Government Code Sections 12940-48) and the applicable equal employment provisions of the Civil Rights Act of 1964 (42 U.S.C. 200e-217), and the Americans with Disabilities Act of 1992 (42 U.S.C. § 11200, et seq.).

6.2 Board Resolution 2015-16. All terms in Resolution 2015-16, approved by the El Dorado Hills County Water District Board of Directors on November 19, 2015, apply to this agreement.

6.3 Legal Action.

6.3.1 Should either party to this Agreement bring legal action against the other, the case shall be brought in a court of competent jurisdiction in El Dorado County, California, and the party prevailing in such action shall be entitled to recover its costs of litigation, including reasonable attorneys' fee which shall be fixed by the judge hearing the case and such fee shall be included in the judgment.

6.3.2 Should any legal action about the Project between AGENCY and a party other than BAIR require the testimony of BAIR when there is no allegation that BAIR was negligent, AGENCY shall compensate BAIR for its testimony and preparation to testify at the hourly rates in effect at the time of such testimony.

6.4 Assignment. This Agreement shall not be assignable by either party without the prior written consent of the other party.

6.5 Titles. The titles used in this Agreement are for general reference only and are not part of the Agreement.

6.6 Extent of Agreement. This Agreement represents the entire and integrated Agreement between AGENCY and BAIR and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be modified or amended only by a subsequent written agreement signed by both parties.

6.7 Attorney's Fees. If either party to this Agreement commences any legal action against the other party arising out of this Agreement, the prevailing party shall be entitled to recover its reasonable litigation expenses, including court costs, expert witness fees, discovery expenses and attorney's fees.

6.8 Notices. All notice pertaining to this Agreement shall be in writing and addressed as follows:

If to BAIR:

Connie L. Bair
3505 Campbell Circle
Rescue, CA 95672

If to AGENCY:

David Roberts, Fire Chief
El Dorado Hills Fire Department
1050 Wilson Blvd
El Dorado Hills, CA 95762

IN WITNESS WHEREOF, the parties hereto have executed this Agreement of the date and year first above written.

AGENCY:

BAIR

EL DORADO HILLS FIRE
DEPARTMENT

Dated: _____, 2015.

Dated: _____, 2015

RESOLUTION NO.2015-17

**A RESOLUTION OF THE EL DORADO HILLS COUNTY WATER DISTRICT
BOARD OF DIRECTORS AFFIRMING AND MAINTAINING
THE EXISTING ZONES OF BENEFIT WITHIN THE
DISTRICT'S LATROBE SERVICE AREA**

RECITALS

WHEREAS, the El Dorado Hills County Water District completed the annexation of all of that certain territory which previously comprised the Latrobe Fire District and sphere of influence by virtue of that certain El Dorado County Local Formation Commission (LAFCO) Resolution dated November 19, 2014; and

WHEREAS, the annexation was expressly conditioned upon the continuation of existing voter-approved assessments upon certain properties within the annexed territory, specifically including a special tax in the amount of sixty dollars (\$60.00) proposed by the former Latrobe Fire District at its Board meeting of February, 1991 and approved by the voters at a district-wide election held June 11, 1991; and

WHEREAS, Zones of Benefit were established within the Latrobe Fire District, within which all funds collected through this special tax shall be expended; and

WHEREAS, parcels within the Latrobe service areas are assessed sixty dollars (\$60.00), while undeveloped parcels within the sphere of Influence area are charged zero dollars (\$0.00); and.

WHEREAS, as a condition of the LAFCO approval of annexation, The El Dorado Hills County Water District has been conditioned to adopt a Resolution confirming the ongoing special tax and establishing/maintaining the zones of benefit corresponding thereto;

NOW THEREFORE, the Board of Directors of the El Dorado Hills County Water District hereby resolves as follows:

1. The Special Tax established by the voters of the former Latrobe Service area, in the amount of Sixty Dollars (\$60.00) shall continue in full force and effect, collected as per historical practice, without amendment, as required by the terms of the Annexation Agreement and conditions of annexation.

2. The existing Zones of Benefit are hereby incorporated within the El Dorado Hills County Water District as described and depicted in Exhibits A and B.

3. The existing special tax/assessments are continued in full force and effect, without change, as detailed in Exhibits A and B.

PASSED AND ADOPTED this 19th day of November, 2015 at El Dorado Hills California by the following vote:

AYES:

NOES:

ABSTAIN:

Barbara Winn,
President of the Board of Directors

ATTEST:

Jessica Braddock, District Secretary

Purchase of Ford 2016 F550 “Type-6” Patrol/Brush Vehicle

Summary:

With the continued renewed focus on the Volunteer Firefighter program the Board approved the purchase of a Patrol/Brush vehicle in the 2015-2016 budget. The purchase of this vehicle will provide greater flexibility for the Volunteer Firefighters when they respond to Station 85 for staffing.

As part of the 2014-2015 budget the board approved the purchase of a similar vehicle from AES Response, Salt Lake City, UT. AES Response was the lowest responsible bidder and is honoring the same price with an increase of \$5,000.00 for a 2016 chassis.

By tagging on to the previous bid from AES, it allows the ability to have two identical apparatus outfitted with the same equipment.

Fiscal Impact: \$185,000.00

\$155,000.00 for the vehicle and \$30,000.00 for equipment.

Recommendation:

Staff recommends the purchase of a Type-6 Patrol/Brush vehicle from AES Response, Salt Lake City, UT.

El Dorado Hills Fire Brush Truck Specifications

I. BID

1. BIDS Comply Exception

All proposals must be presented on the form included with the specifications and **returned in a sealed envelope**. Proposals must be plainly marked: **SEALED BRUSH TRUCK BID. FAILURE TO MEET ANY OF THE FOLLOWING STANDARDS WILL RESULT IN REJECTION OF THE PROPOSAL.**

2. PURPOSE Comply Exception

The purpose of these specifications as written is an attempt to make comparisons of similar options that are available in the small apparatus industry. Therefore, bidders are required to submit a copy of these specifications (clearly marked) along with drawings, and other requested and pertinent information that will best describe the vehicle bid. **If a bidder does not submit a bid per the instructions in these specifications on a copy of the pages received with yes/no questions answered and exceptions listed and explained as required), the bid will be deemed incomplete and WILL BE REMOVED from the bidding process as non-responsive.**

3. INSTRUCTIONS Comply Exception

Bidder is required to read the following questions and check the box "comply" or "exception" if you comply with the exact specifications of this bid. The entire scope of specifications shall be strictly adhered to. Any deviations to these specifications **MUST** be noted by the specific item number and be explained in full detail on a separate sheet entitled "Exceptions to bid". Any bid submitted without exceptions will be required to meet **EVERY DETAIL** of these specifications regardless of the cost to the bidder. Deviations from specifications listed will become a part of the final contract. (It would be in the bidder's best interest to list any deviations even if you feel they are of better quality on the exceptions page.)

4. COMPLETE EXCEPTION Comply Exception

Vendors taking complete exception to the entire specifications will be removed from the bidding process as non-responsive.

5. EVALUATION AND AWARD OF CONTRACT

The award will take into consideration the price, quality, and performance of the proposed vehicle. The Government will award a contract resulting from this solicitation to the responsible offer or whose offer conforming to the solicitation will be most advantageous to the Government. The following factors shall be used to evaluate offers:

- a. Equipment. The Government will assess the quality and extent of the equipment proposed by the bidder based on a detailed review of the submittal as part of the quote. If quoting an "or equal brand" brand must be stated as it will be determined by the Government if "or equal" status will be granted.
- b. Past Performance. The Government will evaluate the following elements, which are of equal value of importance in relation to each other:
 - Quality of the services - End users satisfaction with equipment quality, repairs required due to poor work quality, problems encountered with the equipment.
 - Timeliness of delivery – Compliance with delivery schedules, responsiveness to requests for changes in delivery schedule.
 - Customer satisfaction - Satisfaction of end users with Contractor's completed equipment.
 - Business relations - Effective management (e.g., business relationships with others, relaying quality concerns, working with others to correct deficiencies and resolve problem areas); working relationship with the Contracting Officer and technical representatives on problem solving and recommending solutions.
- c. Price. The degree of importance of the price will increase with the degree of equality of the quotes in relation to the other factors on which selection is to be based, or when the price is so significantly high as to diminish the value of the technical superiority to the Government.

El Dorado Hills Fire

Brush Truck Specifications

- Technical and past performances, when combined, are substantially lower than price. However, the Government reserves the right to make price and/or technical trade-offs that are in the best interest and to the advantage of the Government. Offers should be submitted initially on the most favorable terms, from a price and technical standpoint, which the bidder can submit to the Government. However, the Government may, after evaluation of offers, conduct further oral or written discussions as appropriate.
- A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful bidder within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer's specified expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award.

6. **RIGHT TO REJECT**

This government agency reserves the right to reject any or all proposals and alternatives; to waive any informality or technicality in any proposal that we may deem to be in the best interest of this agency and to request new proposals when required. In addition, we reserve the right to accept the proposal deemed most advantageous and in the best interest of this agency. We will not be bound to accept low bid and reserve the right to determine which substitutions (if any) are acceptable and to negotiate changes. We won't be held liable for reimbursement of expenses incurred by the Bidder related to the preparation of a Qualification in response to this bid. Previous un-satisfactory experiences by this agency, with a bidder or manufacturer will be grounds for rejection.

7. **ADDITIONAL PURCHASES**

Comply Exception

We reserve the right to add additional vehicles to this purchase if so desired. If model year has changed additional purchases may include up charge from model year to the next. Other governmental agencies may join in a resultant award from this Invitation to Bid, and may purchase off of the awarded bid if they so desire.

8. **MINIMUM STANDARDS**

Comply Exception

The highest degree of quality materials and building processes is required for the emergency vehicle being proposed. At a minimum, each manufacturer must be a member of FAMA (Fire Apparatus Manufacturing Association) at the date of the proposal submission. All current Federal motor Vehicle Safety standards (FMVSS) must be met. In addition, all current NFPA 1906 must be met except where noted. These specifications shall in no way restrict the bids to any specific brand name. This agency reserved the right and shall determine the "or equal" brand name is truly equal. However, bids will only be considered from manufacturers that produce, assemble and complete apparatus within the continental United States.

9. **QUALIFICATION OF BIDDER**

Comply Exception

Successful bidder must be an authorized distributor for the products he/she offers on their apparatus build. Satisfactory evidence of the Bidder's ability to construct the apparatus specified shall be provided as follows:

- A statement showing the location of the factory where the apparatus is to be manufactured.

-
- The Bidder shall state the number of years the manufacturer has been building this specific type of apparatus.

-
- The Bidder shall state the number of years served as a Manufacturer.

-
- All bidders must have all current licenses required by law to do business in the State of California.

El Dorado Hills Fire

Brush Truck Specifications

- A statement indicating that the complete apparatus, with the exception of the cab and chassis, shall be assembled by one manufacturer.

- Preference may be given to a company that meets these qualifications and location is within 250 miles of El Dorado Hills, CA.

10. **WARRANTIES**

Comply **Exception**

The award will also take into consideration warranty and warranty provisions of the proposed vehicle. The bid shall state the type of warranty that the manufacturer will provide, with copies of warranty coverage and omissions enclosed with these specifications. Warranties will at minimum provide a thirty six (36) months and 36,000 mile warrant on the entire vehicle which covers defective parts and or components of its manufacture. Warranty shall include any and all costs for labor and parts or materials that are required to correct any and all deficiencies. It is not the intent of this requirement that routine preventative maintenance items such as light bulbs, filters, tires, brake linings, windshield wiper blades, etc. be covered.

Under this warranty, the apparatus manufacturer shall be responsible for the costs of repairs to the apparatus that have been caused by defective workmanship or materials during this period. This warranty shall not apply to the following:

- Any component parts or trade accessories such as chassis, engines, tires, pumps, valves, signaling devices, batteries, electric lights, bulbs, alternators, and all other installed equipment and accessories, in as much as they are usually warranted separately by their respective manufacturers, or are subject to normal wear and tear.
- Failures resulting from the apparatus being operated in a manner or for a purpose not recommended by the apparatus manufacturer.
- Loss of time or use of the apparatus, inconvenience or other incidental expenses.
- Any apparatus which has been repaired or altered outside of the apparatus manufacturer's factory in any way that affects its stability, or which has been subject to misuse, negligence, or accident.

a. **THREE YEAR CHASSIS WARRANTY**

Comply **Exception**

The manufacturer of the chassis shall warranty the chassis for a period of at least Three Years. As an apparatus may be integrally married to the chassis and this is an emergency vehicle, the government reserves the right at its discretion to call upon apparatus warranty first to determine whether the issue is a chassis or an apparatus problem at no charge.

b. **THREE YEAR APPARATUS WARRANTY**

Comply **Exception**

All materials and workmanship herein specified, including all equipment furnished, shall have a warranty for a period of three (3) years after the acceptance date of the apparatus, unless otherwise noted, with the exception of any normal maintenance services or adjustments which shall be required. A copy of the warranty shall be submitted with the Bidder's proposal.

c. **WATER TANK WARRANTY**

Comply **Exception**

The polypropylene water tank that is specified to be supplied with this apparatus shall have a warranty by the water tank manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing the water tank from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

d. **ALUMINUM BODY PRODUCTS**

Comply **Exception**

The aluminum body that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a "lifetime" period from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any

El Dorado Hills Fire Brush Truck Specifications

body component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

e. EMERGENCY LIGHTING PRODUCTS **Comply** **Exception**

The emergency lighting products that is specified to be supplied with this apparatus shall have a warranty by the manufacturer for a period of at least five years from the date that the apparatus is put into service. The manufacturer shall repair, at no cost to the purchaser, any problems caused by defective materials and/or workmanship. The warranty shall cover the reasonable costs of removing any emergency lighting component from the apparatus and reinstalling it after the completion of the covered warranty repairs, but shall not cover any liability for the loss of service or downtime costs of the apparatus. A sample of warranty shall be submitted with the Bidder's proposal.

11. WARRANTY SERVICE RESPONSE **Comply** **Exception**

The successful Bidder must have a factory authorized service center staffed with certified emergency vehicle technicians available twenty-four hours a day seven days a week to respond to verbal or written notification that warranty service work is required. Vendor shall be willing to provide follow-up service including replacement parts for repairs, etc. as may be needed by this service to maintain the vehicle after it is put into operation. Bidders shall provide the location and service capabilities and contact information for the apparatus manufacturer's authorized service facility and parts depot nearest to **El Dorado Hills, CA**. Facility must be within 250 miles for emergency response.

WARRANTY SERVICE CENTER

Name _____	Phone _____
Address _____	24-7 Phone _____
City _____	Fax _____
Contact _____	Email _____

Service Capabilities _____

12. DELIVERY & TRAINING **Comply** **Exception**

Person or persons delivering the unit must be a licensed representative of the firm bidding and must be a certified service technician of the represented dealership. They must be willing to give orientation and training on the vehicle to this service and be willing to spend up to 8-hours in the area and/or per vehicle if necessary. Vendors whose bids fail to comply with the requirements in these specifications will be rejected.

13. OTHER BID DOCUMENTATION

a. CALCULATED TILT TEST **Comply** **Exception**

The apparatus shall have a calculated tilt test to 30° minimum tested at the estimated in-service weight in accordance with NFPA 1906 submitted with this bid.

b. COMPLETE ELECTRICAL DIAGRAMS **Comply** **Exception**

The apparatus shall have a completed electrical diagram in compliance with NFPA 1906 specifications submitted with this bid.

c. COMPLETED DRAWINGS **Comply** **Exception**

The apparatus shall have C size drawings in compliance with NFPA 1906 specifications submitted with this bid.

El Dorado Hills Fire Brush Truck Specifications

II. STATEMENT OF WORK

1. GENERAL

Comply Exception

The utility body described in this specification shall be mounted on Government furnished cab and chassis. Government furnished cab and chassis shall be picked up by the apparatus manufacturer at designated locations. The apparatus manufacturer shall be liable for all loss and damage to Government furnished cab and chassis until completion and final acceptance of work and returned to the Government.

The completed apparatus described in this specification shall be compliant with the requirements of NFPA 1906, latest edition, except where noted.

2. SCOPE OF WORK

Comply Exception

The Contractor shall provide and install apparatus platform fire body on Government furnished chassis per SWFD#1 specifications for Brush Truck Fire Apparatus. The Government shall deliver the chassis to the Contractor's place of business and pick up the completed units upon final acceptance inspection. Government shall provide agency door shield and numbers. The Contractor shall provide all other material for striping, markings and designators. The Government will perform in-progress inspections at the Contractor's facility to verify timely progress of equipment installation. The extent of the in-progress inspections will be at the discretion of the Government and will not constitute acceptance. Inspection is for the convenience of the Government, the contractor is responsible for inspection and quality control.

Best value will also be a consideration with placement of order; selection of firm(s) and award will be based on best value, price, past performance, and other factors considered. The contractor shall warrant and guarantee all work performed (labor and materials provided by the contractor) for a minimum of three years.

III. CHASSIS

Government supplied – Specifications listed are for apparatus configuration.

- The specifications may change without notice.
- Ford F-550 chassis, 4 x 4, Diesel engine, Automatic transmission, 60" CA (Cab to Rear Axle), Crew Cab.
- Contractor to pick-up chassis and deliver completed unit FOB El Dorado Hills, CA.

IV. CHASSIS ADDITIONAL EQUIPMENT AND MODIFICATIONS

1. CHASSIS ADDITIONS AND MODIFICATIONS

Comply Exception

The following additional equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus manufacturer:

2. CHASSIS ELECTRICAL

Comply Exception

The apparatus chassis shall be equipped with a heavy-duty 12 volt direct current (VDC) negative ground electrical system. The electrical system shall include all parts, components, switches, relays, wiring, and other devices required to assure complete, consistent and proper operation of the completed apparatus.

Wiring shall be routed and/or protected to eliminate exposure to moving parts or debris. All lights required are to comply with DOT and NFPA Codes for vehicles of this size and design shall be provided and installed. If required, these lights shall include headlamps and front turn signals with hazard switch, cab marker and clearance/license lights, back up lights and stop-turn-tail lights.

All switches for the warning lights and other electrical equipment shall be mounted on a separate switch panel located in the cab on a master electrical console mounted between the two front seats. The switches shall be functionally laid out, properly identified, and shall be located within easy reach of both the driver and the officer. The warning light system shall have a "master" switch, which shall allow for the pre-selection of all warning lights. All switches shall be of a heavy duty design.

El Dorado Hills Fire

Brush Truck Specifications

The following additional electrical equipment shall be installed on, and modifications performed to, the specified cab and chassis by the apparatus builder:

- a. **BATTERY MASTER SWITCH** Comply Exception
One (1) battery cutoff switch shall be provided in the cab. The switch shall be a Cole Hersee brand, Model #M-2484-16, with Model #82065 switch plate “Off/On” label, or equivalent. The switch shall be rated for 125 amps continuous duty and 80 amps intermittent duty. The switch shall be located on the floorboard to the left side of the driver’s seat and placed as far aft as possible to prevent accidental actuation.
- b. **BATTERY ON INDICATOR LIGHT** Comply Exception
One (1) “Battery On” indicator light, with a green lens, shall be provided on the center console, located forward on the left side. This light shall illuminate when the battery switch is turned to the “ON” position.
- c. **JUNCTION BOXES** Comply Exception
Twin electrical fuse boxes, (Battery and Ignition) for all apparatus modules, connections, relays, circuit breakers, etc. shall be located in the console between the driver and passenger seats. All connection points shall be labeled according to function. A full electrical wiring diagram shall be supplied at time of bid.
- d. **LED DRIVING LIGHTS** Comply Exception
Two (2) LED driving lights shall be installed in the mounting area provided in the face of the bumper. The lights shall each be 32 Watts and operate with the smart siren controller.
- e. **BACK UP ALARM** Comply Exception
One (1) solid state back up alarm shall be provided at the rear of the apparatus protected from impact and debris. The backup alarm shall be wired to the reverse circuit of the transmission, and shall provide an audible alarm to the rear of the apparatus when reverse gear is selected. The alarm shall have a volume of 87 to 112 DBA while in operation.
- f. **MAP LIGHT** Comply Exception
One (1) flexible goose neck LED map light shall be provided on the officer’s side of the cab center console. The switch for the map light shall be located on the light and shall include a diffuser to prevent glare at night.
- g. **KUSSMAUL 1000** Comply Exception
An Auto Charge 1000 or equal is a compact, completely automatic, single channel battery charger designed for vehicles with a single battery system. The charger is ruggedized to withstand the shock and vibration encountered by vehicle mounted equipment. The unit shall be installed behind rear bucket seat on driver’s side which makes it closest to the battery and the auto-eject plug.
3. **EMERGENCY EQUIPMENT**
- a. **ANTENNA** Comply Exception
Two (2) antenna bases shall be supplied by the department and mounted on the platform cab protection rack as specified. The antenna cable shall be routed to the cab interior, terminating at location of radio mounting bracket.
- b. **PRE-WIRE AND INSTALL EMERGENCY RADIO** Comply Exception
The chassis cab interior shall be wired with battery power; battery ground, switched power, and radio rebroadcast wires to the siren or PA, and labeled to simplify emergency radio installation. The radios shall occupy the first and second forward, angled position in the cab center console.
- c. **TRAFFIC WARNING SYSTEMS** Comply Exception
The following traffic warning systems shall be provided and installed on the completed apparatus by the apparatus builder:

El Dorado Hills Fire

Brush Truck Specifications

- d. SIREN AMPLIFIER** **Comply** **Exception**
One (1) SS-2000 Federal Signal brand, 100 Watt, or equivalent, full function, programmable siren amplifier with microphone shall be provided. The control head shall be mounted in the center console.
- e. SIREN SPEAKER** **Comply** **Exception**
One (1) Federal Signal brand, Model AS124, or equivalent, 100 watt siren speaker shall be provided and installed in a protected forward facing location. The wiring for the speaker shall be routed to the amplifier. Speaker is to be mounted in the face of the bumper.
- f. RUMBLER SPEAKER SYSTEM** **Comply** **Exception**
The Federal-Signal Rumbler audible warning system or equal is an intersection traffic clearing system that interacts with most 100 watt siren amplifiers to provide secondary, low frequency tones. Low frequency tones have the distinct advantage of penetrating solid materials enabling vehicle operators and nearby pedestrians to FEEL the sound waves. The controller will be mounted inside the center console and the speakers shall be mounted behind the front bumper maintaining proper ground clearance.
- g. FORWARD UPPER ZONE A/B/D LIGHT BAR** **Comply** **Exception**
One (1) Federal Signal brand, Integrity LED light bar, or equivalent, shall be provided and installed on the forward leading edge of the rear cab protection rack, facing forward. The light bar shall be 51" wide, and shall contain the following modules:
- Ten (10) front position, forward facing, red and white flashing modules with clear lens
 - Three (3) end position, sideways facing, red and white "alley" LED modules with clear lens
 - Two (2) outside rear position, red flashing and white steady modules with clear lens
 - Eight (8) rear position, rear facing, red and amber flashing modules with clear lens
- The light bar shall be wired to a switching controller located on the cab center console.
- h. FORWARD LOWER ZONE A WARNING LIGHTS** **Comply** **Exception**
• Two (2) Federal Signal Corner red LED or equal feature a reliable low-profile light-head that uses nine high-powered LEDs to promote multi-directional illumination. They will be installed in each headlight assembly and synchronized to produce effective warning patterns between the other emergency lighting on the front of the vehicle.
- Four (4) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red LED flashers, with mounting flanges, shall be provided on the front of the apparatus, forward facing, two (2) per side, in the brush guard. The lights shall be wired to a switch located on the cab center console.
- i. FORWARD LOWER ZONE B/D WARNING LIGHTS** **Comply** **Exception**
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red LED flashers, with mounting flanges, shall be provided over the front wheel well of the apparatus chassis, side facing, one (1) per side, for use as "forward intersection" lights. The lights shall be wired to a switch located on the cab center console.
- j. AFT LOWER ZONE B/D WARNING LIGHTS** **Comply** **Exception**
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red LED flashers, with mounting flanges, shall be provided on the rear sides of the apparatus chassis, over the rear wheel, side facing, one (1) per side, for use as "rear intersection" lights. The lights shall be wired to a switch located on the cab center console.
- k. AFT LOWER ZONE C WARNING LIGHTS** **Comply** **Exception**
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, amber LED flashers, with mounting flanges, shall be provided on the lower rear of the apparatus, rear facing, one (1) each side. The lights shall be wired to a switch located on the cab center console.

El Dorado Hills Fire

Brush Truck Specifications

l. REAR CAMERA SYSTEM

Comply Exception

Federal Signal Reverse Camera System CAMSET56-NTSC-2 or equal. The camera will mount on the pump panel and give the best view for reverse and personnel working around the back of the apparatus. The System has a high-resolution, Sony CCD rear camera for a clear, color picture with automatic day/night and infrared LEDs for night. The camera is tested to operate in extreme weather conditions and comes with a two-year warranty. The screen is mounted on the windshield in place of the center rearview mirror. The system provides on the driver with an expanded field-of-view for enhanced safety while backing-up or maneuvering the vehicle in challenging spaces.

m. OPTICON

Comply Exception

The Opticom™ Infrared System is a compact, lightweight encoded signal device intended for emergency vehicles. The emitter separates precisely time pulses of high intensity light from the lightbar to traffic signals to cause activation. When the system is activated, traffic signals turn green providing emergency vehicles with the right-of-way through intersections. The energy pulses from the emitter carry the vehicle class and ID number information for emergency vehicle security. The unit will install underneath the lightbar and operate from the console. The unit shall also be wired for operation under blocking mode.

4. LABELS

a. APPARATUS FLUID TYPES AND QUANTITIES

Comply Exception

A permanently-mounted label, showing the recommended fluid types and quantities for the apparatus chassis and associated components, shall be provided in the apparatus cab interior near the driver's seating position. This label shall list at least the recommended fluid types and quantities for the minimum following components:

- Pump Motor
- Pump Gearbox Lubricant

b. SEATING CAPACITY

Comply Exception

The completed apparatus shall be designed to have a fully enclosed seat with an approved seat belt for each occupant. The term "fully enclosed" shall mean four sides, a top and a bottom, with an appropriate door for easy entrance to and exit from the seating position. . This apparatus shall have a seating capacity of two (2) personnel in front, and two (2) personnel in the rear for a total seating capacity of four (4). A warning label, listing the seating capacity of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions

c. SEAT BELT WARNING

Comply Exception

A warning label, stating: "DANGER- Personnel Must Be Seated And Seat Belts Must Be Fastened While Vehicle Is In Motion Or DEATH OR SERIOUS INJURY MAY RESULT," shall be provided in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

d. VEHICLE HEIGHT WARNING

Comply Exception

A warning label, listing the overall height, length and GVWR of the completed apparatus, shall be provided in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.

e. FSVMC Label

Comply Exception

A Final Stage Manufacturer vehicle certification label shall be provided and installed in the apparatus cab driver's door jamb.

f. NOISE HAZARD WARNING

Comply Exception

A warning label, stating: "WARNING: Noise Hazards Occur During Siren Operation," shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from all seating positions.

El Dorado Hills Fire

Brush Truck Specifications

- g. **AIR FILTER EMBER PROTECTION SCREEN WARNING** Comply Exception
A warning label, stating: "This apparatus is equipped with an air filter ember protection screen; routine inspection is required," shall be provided and installed in the apparatus cab interior. This label shall be located so that it is visible from the driver's seating position.
5. **CONSOLE SECTION**
- a. **FRONT SEATING** Comply Exception
The center portion of the 40/20/40 split bench seat shall be removed to accommodate the installation of the console.
- b. **CAB FRONT CONSOLE** Comply Exception
The cab shall be equipped with an angled, form-fitted control console located between the front driver's and officer's seats. This console shall be sized to accommodate the installation of a switch panel for the control of the emergency and general illumination lighting, siren controller, and customer-mounted radios. The console shall contain the following controls and switches:
- One (1) 12V indicator and 2 position 12v power points
 - One (1) SS-2000 Federal Signal brand, or equivalent, 100 Watt electronic siren controller
 - Two (2) bracket and pre-wiring for customer-mounted radio
 - Two (2) grilled area for below surface emergency speaker mounting
 - One (1) flexible map light
 - One (1) 4 position 12V power outlet
 - One (1) 2 position cup holder
 - Three (3) mic clip brackets
 - One (1) pocket storage compartment
 - One (1) compartment door open warning system
- c. **REAR SEATING** Comply Exception
The larger portion of the 60/40 split bench seat shall be removed and modified into a 40 percent section to complete the vehicle as with two rear bucket seats to accommodate the installation of the rear console or platform.
- d. **REAR PLATFORM STYLE CONSOLE** Comply Exception
The cab shall be equipped with bench style, form-fitted platform (console) located between the rear bucket seats. This console shall be sized to accommodate the installation of electronic equipment underneath as to be out of the way and protected. The top area will mount two, (one vertical and one horizontal) SCBA holders with SCBAs, two rechargeable flashlights and three hand held radio chargers. Power is to come from the front console and distribute from a mounted power stud in this rear console area.
6. **MISCELLANEOUS**
- a. **HOSE AND HARNESS PROTECTION** Comply Exception
If applicable, any fuel lines or electrical harnesses below the chassis frame rails shall be protected with a fire proof sleeve designed specifically for such purpose.
- b. **UNDER CHASSIS SHIELDING** Comply Exception
The chassis shall be equipped with expanded aluminum lower radiator shielding (if applicable) and a solid plate guard mounted on the aft of the front bumper. This shield and guard shall be designed to prevent entry of sticks and other small debris which may pose a hazard to the cooling system.
- c. **CHASSIS AIR INTAKE EMBER GUARD** Comply Exception
The chassis air intake shall be protected by an ember guard of 18 Mesh, 0.017 inch wire diameter, and a maximum mesh opening of 0.039 inches. The ember guard shall be sized to fit and located at the intake opening. The screen shall be readily accessible for inspection and maintenance.

El Dorado Hills Fire

Brush Truck Specifications

d. CABIN AIR EMBER GUARD **Comply** **Exception**

The cabin air filter shall be protected by an ember guard with a maximum mesh opening of 0.039 inches. The screen shall be located at the point of intake and easily accessible for inspection and maintenance.

e. FRONT BUMPER AND BRUSH GUARD **Comply** **Exception**

A heavy duty black powder coated finish bumper with a 6" extension and brush guard assembly shall be provided with installation on the front of the apparatus. The complete assembly shall follow the chassis body lines and encompass the perimeter of the chassis front. The complete assembly shall be of such design that the guard will not vibrate, and shall provide solid mounting area for warning lights, speakers, or other specified equipment.

- **MATERIAL** - Full strength bumpers are 1/4" steel in the primary impact zone and winch center and 3/16" steel under the headlights. Difficult to dent and very resilient in collisions.
- **WEIGHT** - Front Bumper and Grill Guard - 240 lbs. over stock plus or minus 10%.
- **REMOVABLE GRILL GUARD** - Serviceability. In severe service cases where you need to service your radiator or grill, grill guard will separate (un-bolt) from bumper.
- **WINCH ACCESS DOOR** - A top access door latches, protects the winch from weather and elements, and gives a clean look to the truck. When using the winch, remove the Access Door for an ample 2-foot opening to get at winch controls and cable spool.
- **WINCH READY** - Built-in mounting is provided for all standard 4½" x 10" bolt pattern winches - face or floor mount. This covers almost all automotive winches.
- **HOSE TRAY** - On the top center of the bumper to the rear of the winch access door is a cut out 27" x 4.25" which will allow for a hose tray made of .125" aluminum 5" deep. The hose will have two Velcro straps to hold the customer supplied hose and nozzle in place.
- **HOSE SWIVEL** -
- **REMOTE VALVE CONTROL** - Remote valve, remote valve control and swivel will be mounted to bumper and make front bumper hose lay plumbed operational.
- **EMERGENCY SPEAKER MOUNTING** - The bumper will be designed to house one emergency speaker and emit forward sound.
- **DRIVING LIGHT MOUNTING** - Two (2) 24 watt LED 1800 Lumens 40° trapezoid flood light, small form factor, fits in formed placement integrally in the bumper. Operation is from the smart siren controller.
- **TOW HOOKS** - Bumper will have OEM "J" type tow hooks or re-located factory tow hooks. These hooks will be easy to work with having plenty of clearance for attaching on a chain or tow strap and 180 degrees of pulling angle.
- **TRAILER RECEIVER** - Standard to use on carrier style winches, backing trailers into tight spots, negotiating that small boat down the ramp with your huge camper or van, attaching a flatbed trailer and using your winch to pull up the load, steps, push bars, tire carriers, etc.
- **RUST PREVENTION** - The best you can buy - sandblast and two-coat powder and are powder coated with an industrial strength, baked-on finish. All critical seams are welded, inside and out.

f. WINCH **Comply** **Exception**

Warn 16.5ti or equal. The winch needs the highest capacity and most technologically advanced features for Class 5 truck. It needs to be perfect for getting in and out of remote spots and being able to hold up to the weight of the truck. The winch needs to be built with a Gen II, series wound motor combined with a 3-stage planetary gear train, which delivers 16,500 lbs. of pulling will power. It will also have a thermometric indicator LED that will provide operator feedback on motor temperature.

g. STEPS FOR CHASSIS **Comply** **Exception**

Amp Research power-step, or equal is an automatic, electric-powered running board that instantly extends when you open your door. It hides itself safely out of sight when the doors close

El Dorado Hills Fire

Brush Truck Specifications

for improved ground clearance, aerodynamics and appearance. The unit has all-weather performance and legendary wired into the chassis electrical system.

- h. TIRE PRESSURE MONITORING SYSTEM** Comply Exception
Tire Pressure Monitoring Valve Caps are a sensor indicator with three colors. They apply on the end of the valve stem of each tire. Use 90lbs. in the front and 100lbs. in the rear.

V. APPARATUS PLATFORM BODY DESCRIPTION

- 1. PLATFORM BODY** Comply Exception
All materials, parts and assemblies shall be new and of current manufacture. Workmanship, fabrication, assembly, and finished appearance shall be of the highest quality and in conformance with standard manufacturing practices. Examples of poor workmanship that will, not be accepted are grinding marks or gouges on the outer rail, floors that are not flush with the outer rail, joints that are not flush or square, unfilled joints, and warped or uneven floors.
Platform shall be of marine grade T6 aluminum alloy construction and totally welded construction. Structural connections to the frame shall be made by welding or minimum Grade 8 bolts and self-locking nuts. There shall be no drilling, grinding, or welding on chassis frame flanges ahead of the rear most spring hanger. The understructure shall have no lips or pockets that will trap water and mud.
- 2. WELDING** Comply Exception
Welds shall meet American Welding Society Standards (AWS). Welds on the top and outer sides of the body and miscellaneous equipment shall be ground flush.
- 3. INSTALLATION** Comply Exception
The body(s) shall be mounted in compliance with FMVSS 301-75 standards. Body(s) shall be mounted as low as possible without limiting tire clearance or restricting the ability to fuel the truck. The minimum distance from the top of the tire to the bottom of the floor shall be equal to the maximum suspension travel plus 2 inches. Maximum suspension travel is the distance between the axle and the rubber bumper that limits suspension travel plus 1 inch.
- 4. PLATFORM MOUNTING** Comply Exception
a. RUBBER RAIL CUSION
Rail cushion shall 1" x 4" x 111" with a 65 durameter hardness rating. Attached cushion to the frame with 12 counter sunk bolts 2.5"x3/8NC, washers and nylocks.
- b. SPRINGER MOUNT SYSTEM** Comply Exception
A four position (2 springs each) body mounting system shall be used to mount the platform to the chassis. This system shall be designed to allow independent movement between the platform frame and the chassis frame protecting the module from the stresses and twisting rendered by the flexing of the chassis frame. The 2 spring top modules will be attached to the platform long sill with an electrolysis/corrosion barrier.
The springs shall be collapse rated at 1250 lbs. and two inches of collapse travel. All of the mounting hardware (nuts, bolts, washers) required for complete body installation shall be Grade 8. All nuts shall be self-locking style. All mounting components shall be painted black.
- 5. PLATFORM**
a. DIMENSIONS Comply Exception
 - Length for platform shall be 111 inches.
 - Width for platform shall be 96.
 - Bodies shall be flat plus or minus 1/8 inch over their entire length or width.
 - Bodies shall be square with 1/8 inch or less offset from the opposite parallel side.
- b. LONG SILLS** Comply Exception
Two Long Sills (LS) shall run full length in alignment with and perpendicular to the chassis frame rails. Long Sills on bodies shall be rectangular c-channel aluminum alloy 4 inches tall X 2 inches wide minimum .250 inch wall thickness material.

El Dorado Hills Fire

Brush Truck Specifications

- c. CROSS SILL MEMBERS** **Comply** **Exception**
Cross Sill Members (CSM) on bodies shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. Cross Sill Members shall be located on maximum 12-inch centers. CSM to LS welds shall be at least 100% of the length of the contact edges on two opposing sides of the LS. CSM to outer rail welds shall be 100% of the length of both vertical sides of the CSM.
- d. OUTER RAIL** **Comply** **Exception**
The outer rail shall be rectangular C-channel aluminum alloy 6 inches tall X 1.9 inches wide minimum .200 inch wall thickness material. The outer rail shall form the complete bed perimeter without any open or offset seams. The outer rail shall consist of square rear corners.
- e. PLATFORM DECK** **Comply** **Exception**
Decking on the platform shall be .125 inch marine grade aluminum diamond plate. Decking shall be interior perimeter welded to the outer rail, and 6-12" intermittently along the cross sills.
- f. TAILBOARD** **Comply** **Exception**
The tailboard shall consist of a framed tail apron integral in design with the platform. The apron frame shall be rectangular C-channel aluminum alloy 3 inches tall X 1.4 inches wide minimum .170 inch wall thickness material. The interior flat surface of the apron shall consist of 1/8" aluminum diamond plate with the smooth surface to the inside. The tailboard shall finish with the outside edge of the apron frame even with the corners of the platform.
The apron shall house all referenced lighting, steps, and draft tube storage. The apron shall be sufficient in design to grant a departure angle of 24 degrees. The completed tailboard assembly shall meet all other requirements of NFPA 1906 for angle of departure.
- g. FUEL TANK FILLER** **Comply** **Exception**
The fuel filler-neck and urea filler-neck bezels shall be incorporated into the bed channel outer rail unless using an OEM standalone system. Fuel cap shall not protrude past outer rail. The fuel tank filler shall be mounted in accordance with FMVSS 301. The fuel filler hose shall not touch any rough or sharp surfaces, and have no kinks or restrictions. Hose shall be supported on no more than 16-inch centers, have at least 6 inches clearance from the rear tire with any amount of suspension travel, and if closer than 12 inches to the tires, have a shield to protect it from objects that may be thrown from the tires.
- h. DRAFT LINE STORAGE** **Comply** **Exception**
Draft hose storage shall be mounted under the platform, between the frame rails of the truck. The draft hose box shall be a minimum of 4 inches tall, 24 inches wide and 100 inches deep. The opening is covered with a drop hinged, slam shut, Stainless Steel door with push button latches.
- 6. REAR CAB PROTECTION (RCP)** **Comply** **Exception**
One (1) headboard (RCP) shall be fabricated and installed at the forward end of the apparatus body, directly behind the cab. The RCP frame perimeter shall be rectangular C-channel aluminum alloy 4 inches tall X 1.5 inches wide minimum .180 inch wall thickness material. The material will be tapered in a similar fashion to the shape of the chassis cab.
One horizontal cross-member located at approximately 1/3 the height with 1/8" Aluminum diamond tread plate shall be perimeter welded with the tread plate surface forward to the rearward side of the framework on the lower segment. The upper segment shall show a protective framework of 1" x 1" tubing effectively safeguarding the rear window of the chassis cab.
The unit shall be attached by a welded rearward gusset and to the lower frame itself by grade 5 bolts. The unit also has twin light bar perches on the top of the bar for easy mounting of emergency light products.
- 7. COMPARTMENTATION** **Comply** **Exception**
All storage compartment walls shall be constructed from .125 inch aluminum diamond plate. All internal frame work shall be constructed of .125 inch formed aluminum structural members. All compartment interiors shall be free of exposed electrical harnesses or plumbing components. All

El Dorado Hills Fire

Brush Truck Specifications

compartments shall be as large as possible, as determined by the design of the apparatus. Compartment configuration and approximate sizes required are listed below:

- a. DRIVER'S SIDE TOP FRONT COMPARTMENTS** Comply Exception
The driver's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D containing two (2) compartments with vertical hinged doors. The driver's side front section box on the apparatus body shall have approximate dimensions of 48" L X 30" H x 18" D with double horizontal hinged doors. The driver's side rear section box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door.
The driver's side box on the apparatus body shall have approximate dimensions of 24" L X 30" H x 18" D with a single horizontal hinged door.
- b. PASSENGER'S SIDE TOP FRONT COMPARTMENTS** Comply Exception
The passenger's side front box on the apparatus body shall have approximate dimensions of 72" L X 30" H x 18" D and contain one (1) compartment with double horizontal hinged doors. This compartment is designed for the storage of long handled tools.
- c. DRIVER'S SIDE TOP REAR COMPARTMENTS** Comply Exception
The driver's side top rear box on the apparatus body shall have approximate dimensions of 36" L X 18" H x 18" D with a single horizontal hinged door. It will sit atop of the rear top base box.
- d. REAR TOP OF DECK BASE BOX** Comply Exception
The box is storage area underneath the hose reel on the rear of the platform. It is made with .125" formed aluminum to 12"H x 18"D x 36"L. It will have a drop down without retainer door for the easy removed of gear. It will also have a reinforced roof to accommodate the weight of the hose reel. It may or may not become a plumbed hose lay.
- e. LOWER BOXES** Comply Exception
Driver's side lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W X 12" H X 18" D and contains one (1) compartment with hinged drop door. The box is independent from the body shall grant compartment space mounted on the left side of the apparatus body.
The passengers' side lower box, front on the apparatus body shall be attached to the underside of the body from its top, forward of the rear wheels. The box has dimensions of 36" W X 12" H X 18" D and contains one (1) compartment with hinged drop door. The box is independent from the body shall grant compartment space mounted on the left side of the apparatus body.
- f. COMPARTMENT DOORS** Comply Exception
All compartment doors shall be integral in design and recessed into the box (compartment body) sides, sized to provide easy access to all interior areas of the compartment. All doors shall be consistent in fit and finish with the compartment unit. All doors shall be weatherproof and maintain contact with all points of the weather stripping. Weather stripping shall be bulb type, attached to the opening flange of the compartment opening. The doors will have a cross style break in each door for strength.
- g. DOOR LATCHES AND HARDWARE** Comply Exception
Unless where noted, all compartment door latch assemblies shall be installed with threaded fasteners, shall not be welded, and shall be easily removable for servicing or replacement. All door latch assemblies shall be of a flush-mount, "D-Handle" design, with all external components fabricated from polished stainless steel. All latches shall be of a two position twist latch type design latching operation.
All hardware shall be corrosion resistant and suitable for its intended use. All nuts and bolts shall be stainless steel. Stainless steel nuts shall be the self-locking type. All latch assemblies shall be keyed alike to 1250. Ten spare keys shall be provided.
- h. DOOR HOLD OPEN DEVICES** Comply Exception
All vertically-hinged, outward-opening compartment doors shall be provided with an over center door check to hold the door in the desired position. The door check is spring type that when

El Dorado Hills Fire

Brush Truck Specifications

door latch is released the door “springs” to an open position. To release, the spring is moved from the straight position and it folds into the “ready” to open position. It shall be attached to the top of the door and fastened to a plate bolted into the door. All vertically-hinged, outward opening compartment doors shall be capable of being closed with one hand, allowing a free hand to hold equipment or supplies.

All horizontally-hinged, drop-down, outward-opening compartment doors shall open flat to the surface below. All horizontally-hinged, overhead lift-up, outward opening compartment doors shall be provided with two (2) extending, gas cylinder type hold open devices, one (1) mounted vertically on each side of the compartment door opening. The pressure rating of the gas cylinders shall be carefully matched to the size and weight of the compartment door, and shall hold the compartment door securely open to a greater than 90° angle without additional support. The gas cylinder hold openers shall dampen the upward movement of the compartment door while opening and will permit closing of the box door without need to release any type of manual locking devices.

i. ADJUSTABLE SHELF CHANNELS **Comply** **Exception**

Vertically-mounted aluminum (punched finger style) slim-line shelf system shall be provided and welded to the side wall of all enclosed top compartments. This is for the current or future installation of adjustable shelving, slide out trays or equipment brackets.

j. COMPARTMENT SHELVES **Comply** **Exception**

Four (4) adjustable shelves shall be provided and installed in the completed top body compartments. The shelving system shall be mounted on a punched finger style) slim-line track to allow the change of elevation. The shelves shall be 17.5” in depth, width of the box with 2” peripheral lip constructed of aluminum and be capable of supporting 250 lbs. of live load without being damaged or permanently distorted.

The shelf locations shall be as follows:

- One (1) in the driver’s side top front compartment box front section.
- One (1) in the driver’s side top front compartment box rear section.
- One (1) in the driver’s side top rear compartment box.
- Two (2) in the passenger's side top front compartment.

k. TOP OF BOX BASKETS **Comply** **Exception**

Two (2) storage cages shall be provided and installed above the top storage compartments with approximate dimensions of 72” L X 8” H X 18”D. The storage cage shall be constructed of 1/8 inch aluminum with a punched open mesh material as to allow free air flow from all sides, double folded top 1” section for strength and a solid bottom. It shall be open at the top. They will be mounted by rubber cushion leaving a .125 gap underneath and stainless bolts with nylocks.

8. BODY ELECTRICAL REQUIREMENTS

a. WIRING SPECIFICATIONS **Comply** **Exception**

All apparatus body electrical components shall be served by independent circuits which shall be separate and distinct from the apparatus cab and chassis electrical circuits. All wiring supplied and installed by the apparatus manufacturer shall be installed in flexible split convoluted loom and shall be color coded and function labeled at 6” intervals per NFPA standards. All wiring supplied and installed from the apparatus manufacturer by an EVT certified technician shall be grease, oil and moisture resistant; and shall be securely fastened with insulated metal clamps and nylon wire ties. Solderless insulated connectors shall be utilized at all splice joints and shall be enclosed with heat shrink tubing for extra corrosion protection. Automatic reset type circuit breakers shall be provided wherever possible. The following electrical components shall be provided and installed on the completed apparatus by the apparatus builder:

b. LIGHTING SPECIFICATIONS **Comply** **Exception**

All Lighting shall meet Federal Motor Vehicle Safety Standards. It is acceptable to utilize the existing light fixtures furnished with the cab and chassis. Clearance and identification lights shall be easily changed rubber-mounted, shock proof LED and meet FMVSS 108 requirements.

El Dorado Hills Fire

Brush Truck Specifications

- c. BACK UP LIGHTS** **Comply** **Exception**
A pair of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, clear LED back up lights shall be provided at the rear of the body, one (1) each side, above the rear step. The backup lights shall be wired so that they illuminate when the chassis is placed in reverse gear and/or when the rear flood light switch is activated in the cab.
- d. TAIL LIGHTS, BRAKE LIGHTS** **Comply** **Exception**
A pair of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, red LED combination tail/brake lights shall be provided at the rear of the body, one (1) each side, above the rear step.
- e. TURN SIGNAL LIGHTS** **Comply** **Exception**
A pair of Truck-lite LED Oval Sealed 24 Diode Pattern, or equivalent, amber LED arrow style turn signal lights shall be provided at the rear of the body, one (1) each side, above the rear step.
- f. LICENSE PLATE BRACKET AND LIGHT** **Comply** **Exception**
Two (2) Truck-lite brand, 26 Series LED clear light fixture, or equivalent, with license plate mounting bracket, shall be provided at the rear of the body.
- g. CLUSTER/CLEARANCE LIGHTS AND REFLECTORS** **Comply** **Exception**
Three (3) round ICC LED clearance lights shall be located at the rear of the apparatus above the bumper. Additional lighting clearance lights shall be provided to conform to DOT, Federal and NHTSA specifications for vehicles of 80" wide. All lighting shall be compatible with the 12V chassis electrical system. Lighting shall be located according to ICC regulations.
- h. AFT LOWER ZONE B/D WARNING LIGHTS** **Comply** **Exception**
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, red LED flashers, with mounting flanges, shall be provided on the rear sides of the apparatus chassis, over the rear wheel, side facing, one (1) per side, for use as "rear intersection" lights. The lights shall be wired to a switch located on the cab center console.
- i. AFT LOWER ZONE C WARNING LIGHTS** **Comply** **Exception**
Two (2) Federal Signal brand, MicroPulse Wide Angle Light, or equivalent, amber LED flashers, with mounting flanges, shall be provided on the lower rear of the apparatus, rear facing, one (1) each side. The lights shall be wired to a switch located on the cab center console.
- j. PERIMETER LIGHTING** **Comply** **Exception**
The perimeter lighting shall be wired to a switch located in the pump panel. The perimeter lighting shall be activated by switch on the pump panel.
- Four (4) E-10 Tecniq clear LED lights or equal shall be provided under the apparatus body, one (1) forward and one (1) aft of the rear wheel wells, both sides of the body. The lights shall be housed within an enclosure sufficient to protect from damage.
 - One (1) E-10 Tecniq clear LED shall or equal shall be provided under the front bumper housed within an enclosure sufficient to protect form damage. This light will operate from one of the chassis up-fitter switches.
- k. FLOOD LIGHTS** **Comply** **Exception**
Two (2) Betts Model 305003, par 36, or equivalent, with a Trilliant® 36 LED WhiteLight™ Work Lamp, with toggle switch, shall be provided and installed, one each side of the apparatus on the rear cab protection rack. The mounting bracket shall enable full 360° rotation both in the horizontal and vertical axis. The work light shall be mounted on the top upper outboard edge of the left rear cabinet. The lights shall be painted grey. The light shall be wired to an individual switch on the pump panel.
- l. COMPARTMENT LIGHTS** **Comply** **Exception**
One (1) ROM brand 12" LED cargo light, or equivalent, per hinge facing with the hinge on the compartment door, shall be provided to illuminate the compartment. Lighting shall be plastic encapsulated, shock resistant, continuous LED light segments. The LED strip lights shall be attached securely at the sides and top of each compartment opening depending on placement. Each compartment light shall be switched with a compartment lighting magnetic switch.

El Dorado Hills Fire

Brush Truck Specifications

- m. COMPARTMENT LIGHT SWITCHING** Comply Exception
Each compartment light sets shall be switched with a compartment magnetic switch and relay combination. The switch trigger wire shall run up front to the console to the compartment door open warning system on the console. The system shall also hook to the parking brake switch as a stop gap initiation.

- n. KUSSMAUL AUTO-EJECT 20 AMP** Comply Exception
The Super Auto Eject or equal is a completely sealed automatic power line disconnect. This prevents contamination of the mechanism by road dirt, and ensures long reliable life even when mounted in the most severe environment. A novel internal switch arrangement closes and opens the 120 Volt AC circuit after the mating connector is inserted, and before the connector is removed. This eliminates arcing at the connector contacts, and assures long contact life. As with all Auto Ejects, the Super Auto Eject is connected to the starter circuit, so that ejection occurs when the engine is cranked. The unit is mounted in the rail of the cab protection.

9. OTHER APPARATUS BODY ITEMS

- a. EXHAUST SYSTEM** Comply Exception
The exhaust system shall be modified for a Plymovent station exhaust system. If the exhaust system proves to be in conflict with mounting items or departure angle, a conference between the chassis manufacturer, the apparatus builder and the department shall ensue about proper placement. Upon agreement, the apparatus builder shall move the exhaust system properly to its new placement at no extra charge.

- b. MUD FLAPS** Comply Exception
One (1) pair of flexible rubber mud flaps shall be provided on both sides of the apparatus body behind the rear wheels. The mud flaps shall not bear company logos. The mud flaps shall extend down far enough to be effective but shall not allow the flaps to become entangled with the rear tires when the apparatus is backing up.

- c. BUMPER – RECEIVER HITCH** Comply Exception
The completed tailboard assembly looks as it serves as the vehicle bumper but does not meet all associated requirements. Nestled under the tailboard is a receiver hitch and attached underbar that will meet bumper specifications. Underbar is integral with the lower section of the rear springer mounting system which is attached to the frame.

- d. REAR STEP** Comply Exception
One (1) NFPA-compliant fold down step shall be provided and installed at the rear of the apparatus via the receiver hitch. The step shall be fabricated from heavy duty cast aluminum with spring assisted folded hinges. The top of the step shall be an integral diamond point skid resistant surface that allows water to flow off the step without ice formation in cold weather use.
A warning plate shall be affixed to the rear of the apparatus in a conspicuous place. The warning plate shall read: “WARNING: DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION. DEATH OR SERIOUS INJURY MAY RESULT”.

- e. GRAB HANDLES** Comply Exception
Two (2) NFPA-compliant chrome-plated grab handles shall be provided and mounted at the rear, location determined by customer.

- f. FMVSS REFLECTORS** Comply Exception
One on each side rear and one on each rear side of the vertical centerline of the bed channel, as far apart as practicable and at the same height.

VI. PUMP PACKAGE

The following specifications are for a complete apparatus pump firefighting unit, consisting of tank, control panel, engine, pump and plumbing that shall be permanently mounted on the platform style body. The system shall cover the rest of the platform deck space.

El Dorado Hills Fire

Brush Truck Specifications

1. FASTENING COMPONENTS

Comply Exception

All fasteners and adjustable plumbing brackets used shall be stainless steel or polyplastic. All tubing shall use metal fittings, rated to 500 PSI and requiring no special tools. No underside nuts or bolts shall be used. Flexible connections shall have vibration wear protection.

2. PUMP AND PLUMBING

Comply Exception

The following pump, plumbing, controls, gauges, and accessories shall be provided as indicated below. The plumbing requirements outlined below shall be considered a minimum standard, and are preferred to be followed by the apparatus manufacturer without exception:

All plumbing components shall be fabricated from welded stainless steel with the exception of the valves, which will be brass and hose flex connections. All pump compartment components, including wiring, gauges, pump panel rear surfaces, high pressure hoses, and small diameter tubing, shall be left unpainted for rapid identification and ease of repair.

3. PUMP UNIT

a. PUMP MOTOR

Comply Exception

The engine shall be a 4-cycle **Kubota D902-E4B-KEA-2**, with overhead cam, water cooled design. Engine rating shall be Horsepower of 25hp @ 3600rpm and shall be designed to meet current CARB (California Air Resources Board) and EPA (Environmental Protection Agency) Tier 4 standards. A 12-volt electric system shall be provided with electric starter and a 45 amp alternator. Engine shall be equipped with a muffler with USDA approved spark arrestor. The pump/engine shall be isolation mounted onto a steel base.

b. PUMP

Comply Exception

The pump shall be a 2-stage centrifugal pump with the pump body, diffusers, and impellers made of anodized corrosive resistance aluminum. The impeller must be aluminum to match the pump body and diffusers in order to prevent galvanic corrosion from taking place between pump components. The impellers shall be 4.00 inches in diameter.

The pump shaft shall be stainless steel supported by two maintenance free bearings and shall not be co-linear to the engine's drive shaft. A sealed roller bearing shall be located externally from the pump and a sintered bronze bushing shall be located within the pump cover. Both bearings must be maintenance free. In addition, the pump seal shall be a mechanical rotary seal, shall be externally pressurized and shall incorporate a blister-resistant carbon seal face, silicon carbide seat, and fully integrated drive bushing.

The pump shall be coupled to a belt driven speed increaser with a quick release clamp capable of being removed by hand and without any additional tools. The quick release clamp system shall allow for the entire pump assembly, pump body with all its internal and external components, to be removable and capable of being service at a location away from the diesel engine and fire apparatus upon which it was part of. It shall also allow for the swapping out of the same or different performance pump assemblies within a minute's time.

The horizontal belt driven speed increaser shall be a low maintenance timing belt and pulley system. The belt shall be a high quality timing belt and the drive pulley shall mount directly on the engine drive shaft through a means of a keyed tapered locking device. The increaser shall be a 1 to 1.88 ratio. In addition, a dampening device shall be provided between the pump shaft and pump shaft pulley. Both the pump and horizontal speed increaser shall be painted red.

c. PUMP PRIMING

Comply Exception

One (1) positive displacement, oil-less, rotary vane, electric motor-driven priming pump, conforming to the NFPA requirements, shall be provided and installed on the cross member just aft of the cab body. The primer pump body shall be fabricated from heat-treated anodized aluminum for wear and corrosion resistance.

The primer pump electric motor shall be of a 12 VDC totally enclosed design. The priming pump shall not require lubrication from an external source. The priming pump shall be operated by

El Dorado Hills Fire

Brush Truck Specifications

a single push-pull control valve mounted on the pump operator's panel. The control valve shall be of all bronze construction.

- d. PUMP SUCTION/DISCHARGE** **Comply** **Exception**
- The suction and discharge ports shall be female pipe thread, designed and located to accept applicable hose thread adapters. Standard unit supplied with 3" Female NH thread pump intake and 2½" Female NH thread discharge.
- e. PUMP PERFORMANCE** **Comply** **Exception**
- The pump/engine shall perform to the standards of ISO Class 9. Typical pump performance from 5 foot draft thru 10 feet of suction hose at sea level shall be: 110 GPM @ 150 PSI, 220 GPM @ 100 PSI, 250 GPM @ 75 PSI, and 274 GPM @ 50 PSI. The pump shall provide a maximum pressure of 180 PSI and a maximum flow of 260 GPM. The pump will be tested at the factory before shipment under the following conditions:
- (1) An elevation of not more than 2000 ft. above sea level
 - (2) Through a single intake with 20 ft. of 3" suction hose equipped with a suction hose strainer
 - (3) With a lift of 5 ft.
 - (4) At 29.9" Hg atmospheric pressure (corrected to sea level)
 - (5) At a water temperature of 60° F
- f. REAR MOUNTED PUMP OPERATOR'S PANEL** **Comply** **Exception**
- A pump operator's control panel shall be located at the rear of the apparatus body. It shall contain all controls necessary to operate the pump systems. The panel shall be appropriately sized with the controls positioned in a methodical, user-friendly format. The edges of the panel shall be smooth radius to prevent the snagging of clothing or injury. The panel shall have an extended top to assist in weather protection and to house the panel lights. Controls shall be provided on the operator's panel as follows:
- Pump engine ignition/start/stop controls
 - Starter push button
 - Engine glow plug push button and timer
 - Engine ignition on warning light
 - Glow plugs on warning light
 - Oil pressure warning light
 - Coolant temperature warning light
 - Throttle control
 - Primer control
 - 2.5" liquid filled intake gauge
 - 2.5" liquid filled discharge gauge
 - Tachometer/hour meter
 - Water level gauge
 - Foam level gauge
 - Operator's panel light and switch
- g. INTAKE PRESSURE GAUGE** **Comply** **Exception**
- One (1) intake pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or equivalent, graduated from 30-0-400 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.
- h. DISCHARGE PRESSURE GAUGE** **Comply** **Exception**
- One (1) discharge pressure gauge shall be provided on the operator's panel, located in a vertical pattern on the right side of the operator's panel. The gauge shall be a Class One brand, or

El Dorado Hills Fire

Brush Truck Specifications

equivalent, graduated from 0-400 PSI, with a minimum diameter of 2.5". The gauge shall have a diaphragm installed at the pressure inlet to prevent water from entering the body of the valve. The gauge shall be illuminated by the standard panel lighting.

i. PUMP PANEL LIGHT

Comply **Exception**

One (1) E-03 Tecniq LED lights, or equivalent, facing downward, shall be provided to illuminate the rear pump operator's panel area. This light shall be controlled by a manual switch on the pump operator's panel.

j. FUEL TANK SYSTEM

Comply **Exception**

The pump motor will use diesel the same as the chassis motor. Siphon shall be installed into the chassis tank. Siphoning shall occur at a level 1.5" above the chassis siphon system. A small engine electric fuel pump shall be installed to pump fuel to the level of the pump motor requirements.

4. MAIN PUMP DISCHARGE AND INTAKE PLUMBING

a. MAIN SPECIFICATIONS

Comply **Exception**

The discharge and intake valves specified shall be either of a direct-actuated quarter turn design or shall be provided with control rods that are directly connected from the valve handle to the rear mounted pump panel area. All discharges and intakes shall have NST thread brass chrome rocker lug style caps with chains, unless designed to be pre-connected, or otherwise specified. Where vibration or chassis flexing may damage or loosen piping, the piping shall be equipped with Victaulic couplings, rubber pressure rated hose or hump hose connections. The main pressure manifold is behind the pump in front of the tank for uncluttered area on the rear of the platform.

The main suction and discharge plumbing shall be welded stainless steel pipe or high pressure flexible hose with appropriate fittings designed to withstand the normal operating pressures of the pump. All high pressure hose shall be installed with a swivel or Victaulic coupling on at least one end of the hose. The nominal sizes of all of the plumbing supplying the pump and discharges shall be as follows:

- Main suction – 2.5 inch
- Discharges – 2 inch main, 1½ inch others
- Hose reel – 1 inch

b. MAIN VALVES

Comply **Exception**

All valves shall be Trident Wildland Valve, S/S Ball, Aluminum Body series swing-out style or equivalent. All valves shall be designed to operate under normal conditions up to 500 PSI and shall have dual seats to work in both pressure and vacuum environments. All valves and controls shall be easily accessible for service, repair or replacement.

c. INTAKE LOCATION

Comply **Exception**

One (1) Trident 2.5" valve or equivalent connected to a 2.5" intake shall be provided at the rear of the apparatus body, plumbed with 2.5" piping to the intake side of the pump terminating with a NHM fitting with a 2.5" NHF Chrome cap and chain. A removable intake screen shall be installed to prevent debris from entering the pump. The valve shall have a T-handle control at the rear of the apparatus.

d. TANK TO PUMP LINE

Comply **Exception**

One (1) Trident, or equivalent, 2.5" tank to pump inline valve, shall be installed between the water tank outlet and the pump inlet. The valve shall have a T-handle control at the rear of the apparatus.

e. DISCHARGE LOCATIONS

Comply **Exception**

One (1) 2.5" discharge, shall be provided at the rear of the apparatus. The discharge shall be plumbed with 2" stainless steel pipe and/or 2" flexible high pressure hose, and shall terminate with 2.5" NH threads, with a 2.5" NSTF Chrome cap and chain. The discharge valve shall be controlled at the valve with a TSC style handle.

One (1) 1.5" discharge, labeled "Engine Protection," shall be provided at the rear of the apparatus on the driver's side rear top deck box. The discharge shall be plumbed with stainless steel

El Dorado Hills Fire

Brush Truck Specifications

pipe and a 1.5" valve and shall terminate with a 1.5" MNH at rear of the inside of the box. The engine protection discharge valve shall have a T-handle control at the rear of the apparatus.

One (1) 1.5" discharge, labeled "Front Bumper Hose Lay" shall be provided at the front bumper of the apparatus on the driver's side. The discharge shall be plumbed with stainless steel pipe below and to the front of the platform, a 1.5" industrial emergency shut off valve and then 1.5" flexible high pressure hose, and shall terminate at the bumper with an operational valve and hose swivel. The front bumper discharge valve shall be controlled at the valve with a TSC style handle from a recessed location in front of the front bumper.

One (1) 1" discharges, labeled "Hose Reel," shall be provided at the rear of the apparatus on the passenger side. The discharge shall be plumbed with stainless steel pipe or 1" flexible high pressure hose, and shall terminate at the hose reel. The hose reel discharge valve shall have a T-handle control at the rear of the apparatus.

f. TANK FILL

Comply **Exception**

One (1) 1" Trident, or equivalent, tank refill, or recirculation line with a 1" quarter turn inline valve, shall be provided to allow the water tank to be refilled through the pump.

5. WATER TANK AND CONSTRUCTION

Comply **Exception**

The water tank with a footprint of 60"W x 72"L holding a minimum of 400 gallons shall be fabricated from 1/2" thick, non-corrosive stress relieved polypropylene, natural black in color and U.V. stabilized for maximum protection. Materials used shall be compatible with firefighting foams, retardants and wetting agents. All joints and seams shall be extrusion double welded and tested for maximum strength and integrity. The transverse baffle partitions shall be manufactured of the same material as the main body and extend from the floor of the tank to the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. All baffle partitions shall interlock with one another and be welded to each other, as well as to the walls of the tank.

- a.** The tank shall be designed to be completely independent of the platform structure and compartments, and shall be equipped with removable lifting eyes to facilitate ease of removal. All joints and seams shall be nitrogen-welded inside and out. All exposed edges on the tank and fill tower shall be rounded off to a 1/4" radius.

The end wall of the tank, closest to the pump mount location shall have a vertical translucent panel sight gauge. The tank shall have a manual fill tower with a basket strainer for both the water tank and foam tank. The fill tower shall be constructed of same material as the rest of the tank and shall have a minimum dimension of 8 inch x 8 inch outer perimeter. The tower shall have a 0.25 inch thick, removable polypropylene screen installed in the throat of the fill tower. A combination vent and overflow pipe shall be fastened inside the fill tower, approximately 1.5 inch down from the top.

All internal piping shall be constructed of schedule 80 polypropylene pipe. The tank shall have a vent over-flow pipe that extends through the tank and exits under the vehicle. The tank sump shall have a plate welded approximately 2" above the sump to prevent water swirl. There shall be piping inside the tank with a suction tube to the sump. The suction tube shall extend down through the anti-swirl plate and baffles. Baffling will meet or exceed NFPA 1901. All fittings in the tank shall be heavy duty polypropylene and shall be welded inside and outside using industry acceptable practices. Tank inlets shall have flow deflectors inside the tank.

The tank shall have a limited Lifetime warranty that provides warranty service for the life of the fire apparatus in which the tank is installed. Warranties are transferable if the apparatus ownership changes by requesting the transfer.

- b.** Integral 12 gallon foam cell built into tank

El Dorado Hills Fire Brush Truck Specifications

6. BOOSTER HOSE REEL

Comply Exception

One (1) Hannay brand, Model # F32-19-21, or equivalent, booster hose reel, with a 70 amp breaker, and a capacity of 150 ft. of 3/4" booster hose, shall be provided and installed at the rear of both sides of the platform deck. The hose shall dismount to the side of the apparatus.

The hose reel frame and drum shall be fabricated of steel with aluminum powder coat color, with the sprocket being chrome plated to minimize maintenance. The hose reel inlet connection shall be a 1" inline quarter turn valve and 1" flexible wire-reinforced hose. The hose reel outlet connection shall be 1" NPSH thread. The rewind control shall be located on the hose reel frame in an area determined by the fire department.

The reel shall be provided with a 2/3 HP, 12 Volt electric motor for rewinding the hose on to the reel. Each motor shall be controlled with one (1) Cole Hersee M-612, or equivalent, push button switch located on the pump control panel. The booster reels shall have provisions for manual rewind. The pinion shaft for the manual rewind gear shall have an adjustable tension brake, controlled at the reel. One (1) FH3 captive roller assembly, or equivalent, shall be provided for the reel.

7. FOAM INDUCTIVE SYSTEM

Comply Exception

A Trident "Foamate" Class "A" Foam proportioner or equal is a device for educting foam concentrate solution into hose lines of fire pumps, used in combating Forest and Urban/Wildland fires. The easy to proportioning head calibrates to educt foam concentrate at a variable percentage into hose lines flowing up to 400 GPM. The system has a pressure connecting hose, a system delivery hose and a foam pick-up hose. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

8. LABELING

a. TRUCK IDENTIFICATION PLATE

Comply Exception

A truck identification plate shall be provided and installed on the pump operator's panel. The plate shall state the name and address of the apparatus manufacturer, the serial number of the unit and the pump performance test results.

b. PUMP OPERATING INSTRUCTION PLATE

Comply Exception

An identification plate shall be provided on the pump operator's panel with step-by-step operating instructions.

c. PUMP PANEL LABELING

Comply Exception

All controls, discharges, intakes, ports, drains, and other pump panel components that are not provided with a pre-printed legend or trim plate shall be labeled as required for ease of operation.

d. VALVE LABELING

Comply Exception

Valves and/or Valve control handles shall be labeled as to duty. The tags shall be placed adjacent to the components in such a way as to clearly distinguish the item that they are identifying.

VII. APPARATUS FINISH FOR TURN-KEY OPERATION

1. COMPLETED APPARATUS TESTING

a. PUMP PERFORMANCE TEST AND CERTIFICATION

Comply Exception

Upon completion, the apparatus shall undergo a complete pumping test that conforms to the requirements of NFPA Standard 1906 (latest edition) for the size and type of pump provided in El Dorado Hills, CA. The test shall consist of a continuous one-half hour test pumping at rated capacity and rated net pump pressure, a vacuum test of the primer system and plumbing, a tank discharge flow test and a pressure test of the apparatus piping. The chassis engine and transmission, the pump and other components of the apparatus shall show no undue heating, leaks, or other defect. The results of the test shall be documented to establish the performance of the apparatus and to further insure that the unit shall perform satisfactorily when placed into service. The test results shall be certified in writing, with the certification provided to the purchaser for their records at the time of delivery of the completed apparatus.

El Dorado Hills Fire

Brush Truck Specifications

- b. ELECTRICAL, LOW-VOLTAGE TEST** **Comply** **Exception**
The fire apparatus low voltage electrical system shall be tested as required by this section and the test results shall be certified by the apparatus manufacturer. The certification shall be delivered to the purchaser with the documentation for the completed apparatus. The tests shall be performed when the air temperature is between 0°F and 110°F (18°C and 43°C).
- c. TEST SEQUENCE** **Comply** **Exception**
The three (3) tests defined below shall be performed in the order in which they appear. Before each test, the chassis batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. The failure of any of these tests shall require a repeat of the test sequence.
- d. RESERVE CAPACITY TEST** **Comply** **Exception**
The chassis engine shall be started and kept running until the chassis engine and engine compartment temperatures are stabilized at normal operating temperatures and the chassis battery system is fully charged. The chassis engine shall be shut off and the minimum continuous electrical load shall be applied for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the chassis engine. The chassis battery system shall then be capable of restarting the chassis engine. The failure to restart the chassis engine shall be considered a failure of this test.
- e. ALTERNATOR PERFORMANCE TEST AT IDLE** **Comply** **Exception**
The minimum continuous electrical load shall be applied with the chassis engine running at idle speed. The chassis engine temperature shall be stabilized at normal operating temperature. The chassis battery system shall be tested to detect the presence of a chassis battery current discharge. The detection of chassis battery current discharge shall be considered a failure of this test.
- f. ALTERNATOR PERFORMANCE TEST AT FULL LOAD** **Comply** **Exception**
The total continuous electrical load shall be applied with the chassis engine running up to the engine manufacturer's governed speed. The test duration shall be a minimum of two (2) hours. The activation of the electrical system load management system shall be permitted during this test. The activation of an alarm due to excessive chassis battery discharge, as detected by the system required by NFPA (current edition), or an electrical system voltage of less than 11.8 VDC for a 12 VDC nominal system, for more than 120 seconds, shall be considered a failure of this test.
- g. LOW VOLTAGE ALARM TEST** **Comply** **Exception**
Following the completion of the tests described above, the chassis engine shall be turned off. With the chassis engine turned off, the total continuous electrical load shall be applied and shall continue to be applied until the excessive battery discharge alarm activates. The chassis battery voltage shall be measured at the battery terminals.
The test shall be considered to be a failure if the low voltage alarm has not yet sounded 140 seconds after the voltage drops to 11.50VDC for a 12 VDC nominal system. The chassis battery system shall then be able to restart the chassis engine. The failure of the chassis battery system to restart the chassis engine shall be considered a failure of this test.
- h. DOCUMENTATION** **Comply** **Exception**
The apparatus manufacturer shall provide the results of the low-voltage electrical system performance test, certified in writing, with the documentation provided to the purchaser at the time of delivery of the completed apparatus. The test results shall consist of the following documents:
- A written electrical load analysis, including the following:
 - The nameplate rating of the alternator.
 - The alternator rating under the conditions specified in NFPA 1906 (current edition).
 - Each of the component loads specified that make up the minimum continuous electrical load.
 - Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load.
 - Each individual intermittent electrical load.

El Dorado Hills Fire Brush Truck Specifications

2. APPARATUS FINISH

- a. **APPARATUS BODY COLOR** Comply Exception
The apparatus body shall not be painted. Chassis color is red.
- b. **STRIPING** Comply Exception
A 1-3-1 Black-White-Black without spacing retro-reflective stripe shall be provided and installed horizontally on both the chassis cab and body. The stripe shall start at the rear of the front fender, low as possible on surface on the sides of the chassis tilt hood and shall run to the apparatus body, then go up on the first door and maintain height the rest of the full fender and front door to allow for the addition of the department logo above it. The stripe shall rise higher on the rear door to match the stripe position going down the rail on the platform.
- c. **CAB AND BODY LETTERING AND STRIPING** Comply Exception
Block style lettering, fabricated from retro-reflective material, shall be provided and installed on the apparatus as follows:
- The department designator, in 4" tall letters, shall be provided on approximately the center compartment door(s), on each side of the apparatus body. The words "EDH Fire", in 4" tall white letters, shall be applied on front and rear, and over the logo on the doors both sides "El Dorado Hills Fire."
 - The unit designator, (example S-91) in 4" tall letters, shall be provided centered on the swept back portion of the front bumper on the passenger's side, and the equipment designator, in 4" tall letters, will be provided centered on the front bumper on the driver's side.
 - The unit designator, (example S-91) in 4" tall letters, shall be provided centered on the rearward portion of the rear top box on the driver's side.
 - The unit designator, (example S-91) in 4" tall letters, shall be provided centered on the rearward portion of the chassis cab on the both sides.
 - The apparatus manufacturer shall install Government-supplied door decals (shield and vehicle numbers) on the front cab doors, below the reflective striping.

3. EQUIPMENT

- Comply Exception
The following equipment shall be provided with the completed apparatus. The equipment shall be new and unused, and shall meet all current NFPA, OSHA and other applicable safety regulations.
- a. **MANUALS AND DRAWINGS** Comply Exception
- The following specified materials shall be provided with the completed apparatus:
 - One (1) complete set of standard chassis operation, parts and service manuals.
 - One (1) apparatus manufacturer's operation and service manual, to include:
 - ✓ Manufacturer's Record of Construction
 - ✓ Warranty Registration and Information
 - ✓ Operator Safety Information
 - ✓ Pump Operation and Troubleshooting Instructions
 - ✓ Vehicle Exterior Maintenance Instructions
 - ✓ Maintenance and Lubrication Information & Charts
 - ✓ Complete Electrical Diagrams
 - ✓ Component Literature (ie: siren, hose reel, etc.)
 - ✓ Pump Test Certificate, Weight Certificate, Service Parts Replacement List
- b. **HYDRANT WRENCH HOLDER** Comply Exception
One (1) national Firefighter brand, FEQ 148, or equivalent, three position captive latching type/hydrant/spanner wrench holder shall be permanently affixed per department recommendation at mid-build meeting.
- c. **NOZZLE CLIP AND HOLDER** Comply Exception
One (1) Zico Brand, Model VM-7, or equivalent, tool holder shall be provided and shall be permanently affixed per department recommendation at mid-build meeting.

El Dorado Hills Fire Brush Truck Specifications

- d. **TURTLE TILE** Comply Exception
 Turtle tile or equal in all compartments floors and shelves to protect the apparatus and tools. Turtle Plastic's 3/4" thick industrial grade Turtle Tiles compartment matting has an open grid design which allows for maximum drainage and traction. Each tile has 77 sturdy feet to provide even support and 8 locks (2 sides with 2 male T tabs, 2 sides with 2 female T slots). Plus, the matting is resistant to fungus, mold, grease, solvents, and most common chemicals.
- e. **DRAFT HOSE** Comply Exception
 Three (3) eight foot x 2.5" draft hoses shall be placed ready to use in the draft hose storage under the platform. Two will have a FNH and MNH connection. The last will have a permanent 4" barrel strainer and FNH connection.
- f. **BOOSTER HOSE** Comply Exception
 Mercedes Boostlite 3/4" or equal is a non-collapsible reel hose designed to meet a variety of fire attack requirements. It has to be extremely kink resistant, even at low pressure with a bend radius of less than 3 1/2" for a 3/4" Non-Collapsible hose. The hose also features heavy duty spun yarn construction, unique Mertex® lining, is a premium all synthetic single jacket in a standard strobe yellow. 150' of the 3/4" hose will be installed on the hose reel.
- g. **DRIP TORCH** Comply Exception
 One (1) drip torch with a heavy-duty 15-gauge aluminum canister, a welded double-bottom for extra-long life and a full-length handle. The torch needs to meet D.O.T. approval for transport of flammable fuel UN# 1B1-Y-150 and is painted red to comply with OSHA regulations 29 CFR 1910.144 while meeting USDA Spec 5100-614 and is USFS approved. To be installed with a truck mount, placement determined by department.
- h. **FLASHLIGHTS** Comply Exception
 Two (2) Streamlight SL-20L, full sized professional grade with 12v chargers. They are a high-intensity, rechargeable flashlights offer 3 microprocessor controlled variable intensity modes, strobe mode and the latest in power LED technology. The combination of rechargeable batteries and the C4 LED results in low operating costs.
- i. **WHEEL CHOCKS** Comply Exception
 Two (2) Zico brand AC-32W or equal NFPA 1901-09 compliant wheel chocks shall be provided with the completed apparatus, one (1) each side. They will be mounted to the underside of the platform behind the mud flaps with Zico brand QCH-32-H or equal holders for convenient storage.

4. **PRICE**

The price of this vehicle will include F.O.B. to El Dorado Hills, CA.

Apparatus Cost	\$ 97,326.00 _____	Build Time	___90 Days or less__ X ___
Chassis Cost	\$ 47,000.00 _____	Build Time	_150_ 90 Days or less _____
Total Cost	\$144,326.00 _____	Total Time	_240_ 180 Days or less _____

VIII. OPTIONS FOR CONSIDERATION

- 1. **FOAM INJECTION UNIT** Comply Price \$ _____

A FoamPro System 1601 or equal using an electric motor driven flow-based proportioning system that measures water flow and then injects the proportional amount of foam concentrate to maintain the preset percentage. The system will accurately deliver from 0.1% to 1.0% foam concentrate to the foam injector fitting. The flowmeter measures the water flow and sends a signal to the motor driver control. Another sensing device monitors

El Dorado Hills Fire

Brush Truck Specifications

the foam pump output. Constant comparison of these two information signals by the computer ensures maintenance of the desired proportion of foam concentrate at all times based on the water flow rate, independent of any variations in fire pump intake or discharge pressures. As water flow increases or decreases, the foam concentrate rate of injection is increased or decreased automatically to correspond to the water flow.

2. **FORESTRY MONITOR** Comply Price \$ _____
Akron 3562 Forestry Monitor or equivalent will feature a fully sealed integrated electrical control system with waterproof locking connectors from all motors, power and control connections to withstand harsh environments often seen in Wildland firefighting conditions. The high speed motors provide proportional speed control for pinpoint stream positioning and accuracy. With a wide range of available nozzles, the fire monitor will be ideal for use in water, foam and CAFS applications and with these other attributes:
- Will attach to the bumper/brushguard assembly per mid-build meeting
 - CAN proportional speed joystick control with integrated and sealed electronics
 - Lightweight Pyrolite construction, 23 lbs. without nozzle
 - Waterproof (IP 67 rated) locking connectors
 - 320° maximum rotation range with stops at $\pm 90^\circ$
 - 135° maximum elevation range with stops at $\pm 45^\circ$ and -20°
 - 2" quick disconnect
 - 2" electric valve
3. **ROAD KIT** Comply Price \$ _____
The completed apparatus shall be equipped with a road kit containing the following items:
- One (1) 2-1/2 lb. Class B/C fire extinguisher with vehicle mounting bracket, shipped loose
 - One (1) set of warning triangle reflectors, containing three (3) folding reflectors in a plastic storage case
 - One (1) 12 ton hydraulic jack with handle
4. **POLE LIGHTING** Comply Price \$ _____
Twin EVOLUTION low profile LED or equal with 15,000 lumens of ultra-bright white light. The LED light output is instant-on at full intensity and provides immediate restarts with no warm-up time required. The EVOLUTION long life LEDs are highly rugged, have a Five year LED lighting warranty and allow for low maintenance and expense over the operational life. The lamp heads unique parabolic reflector projects the light directly onto the action area and also illuminates the immediate working area around the vehicle. The EVOLUTION lamp heads will be mounted on an FRC or equal telescopic poles mounted to the front of the cab protection not to interfere with the light bar.
5. **NOZZLE** Comply Price \$ _____
Task Force Tips B-BGH
6. **COVER FOR BASKET** Comply Price \$ _____
Vinyl cover with bungee cord hold down

Replacement of Staff Utility Vehicles (2) for Fire Prevention

Summary:

The Department needs two staff vehicles to replace the current vehicles that have an excess of 130,000 miles each. The new vehicles will be assigned to the Fire Prevention Division.

Staff received a state contract bid from Folsom Lake Ford for two, 2016 Ford Explorers. Folsom Lake Ford is the sole provider for this type of vehicle within the EL Dorado Hills/Folsom region.

Fiscal Impact: \$99,849.00

State Bid with deductions from Folsom Lake Ford price per vehicle is \$36,295.00 (\$72,590.00).

\$10,000.00 per vehicle in related equipment.

Recommendation:

Staff recommends the purchase of the two from Folsom Lake Ford and related equipment.

Series	Option Code	Police Interceptor 500A
Utility Police Interceptor AWD (incl. D&D)	K8A	S
3.7L V6 TI-VCT FFV with 6-Speed Automatic Transmission	99R / 44C	S
3.5L V6 EcoBoost® – (131mph Top Speed)	99T / 44C	\$3,417.00
EQUIPMENT GROUP		
Interior Upgrade Package – 1 st and 2 nd Row Carpet Floor Covering – Cloth Seats – Rear – Center Floor Console less shifter w/unique Police console finish plate – Includes Console – Top Plate – Finish 3 (incl. 2 cup holders) – Floor Mats, front and rear (carpeted) – Deletes the standard console mounting plate (85D) Note: Not available with options: 67G, 67H, 67U	65U	\$375.00
Front Headlamp / Police Interceptor Housing Only – Pre-drilled hole for side marker police use, does not include LED installed lights (eliminates need to drill housing assemblies) – Pre-molded side warning LED holes with standard twist lock sealed capability (does not include LED installed lights) Note: Not available with options: 66A and 67H	86P	\$121.00
Front Headlamp Lighting Solution – Includes base LED Low beam/Incandescent (Halogen) High beam headlamp with High Beam Wig-wag function and two (2) white rectangular LED side warning lights – Includes pre-wire for grille LED lights, siren and speaker (60A) – Wiring, LED lights included. Controller "not" included Note: Not available with option: 67H Note: Recommend using Cargo Wiring Upfit Package (67G) or Ultimate Wiring Package (67U)	66A	\$818.00
*Tail Lamp / Police Interceptor Housing Only – Pre-existing holes with standard twist lock sealed capability (does not include LED installed lights) (eliminates need to drill housing assemblies) Note: Not available with options: 66B and 67H	86T	\$59.00
Tail Lamp Lighting Solution – Includes base LED lights plus two (2) rear integrated hemispheric lighthead white LED side warning lights in taillamps – LED lights only. Wiring, controller "not" included Note: Not available with option: 67H Note: Recommend using Cargo Wiring Upfit Package (67G) or Ultimate Wiring Package (67U)	66B	\$408.00
Rear Lighting Solution – Includes two (2) backlit flashing linear high-intensity LED lights (driver's side red / passenger side blue) mounted to inside liftgate glass – Includes two (2) backlit flashing linear high-intensity LED lights (driver's side red / Passenger side blue) installed on inside lip of liftgate (lights activate when liftgate is open) – LED lights only. Wiring, controller "not" included Note: Not available with option: 67H Note: Recommend using Cargo Wiring Upfit Package (67G) or Ultimate Wiring Package (67U)	66C	\$438.00
Cargo Wiring Upfit Package – Rear console plate (85R) – contours through 2 nd row; channel for wiring – Wiring overlay harness with lighting and siren interface connections – Vehicle Engine Harness: o Two (2) light connectors – supports up to six (6) LED lights (engine compartment) o Two (2) grille light connectors o Two (2) 50 amp battery ground circuits in right hand rear-quarter power distribution junction block o One (1) 10-amp siren/speaker circuit (engine to cargo area) – Whelen Lighting PCC8R Control Head – Whelen PCC8R Light Relay Center (mounted behind 2 nd row seat) – Light Controller / Relay Center Wiring (jumper harness) – Whelen Specific Cable (console to cargo area) Connects PCC8R to Control Head – Pre-wiring for grille LED lights, siren and speaker (60A) – Does "not" include LED lights o Recommend Police Wire Harness Connector Kits 47C and 21P Note: Not available with options: 65U, 67H and 67U	67G	\$1,286.00
Ready for the Road Package: All-in Complete Package – Includes Police Interceptor Packages: 66A, 66B, 66C, plus – Whelen Cencom Light Controller Head with dimmable backlight – Whelen Cencom Relay Center / Siren / Amp w/Traffic Advisor (mounted behind 2 nd row seat) – Light Controller / Relay Cencom Wiring (wiring harness) w/additional input/output pigtailed – High current pigtail – Whelen Specific WECAN Cable (console to cargo area) connects Cencom to Control Head – Pre-wiring for grille LED lights, siren and speaker (60A) – Rear console plate (85R) – contours through 2 nd row; channel for wiring – Grille linear LED Lights (Red / Blue) and harness – 100-Watt Siren / Speaker – Hidden Door-Lock Plunger / Rear-Door Handles Inoperable (52P) – Wiring Harness: o Two (2) 50 amp battery and ground circuits in RH rear-quarter Note: Not available with options: 66A, 66B, 66C, 67G, 67U and 65U	67H	\$3,277.00

* = New for this model year

P = Included in Equipment Group, S = Standard Equipment, O = Optional

2016 UTILITY POLICE INTERCEPTOR EQUIPMENT GROUP

EQUIPMENT GROUP		
(Continued)		
Ultimate Wiring Package Includes the following: – Rear console mounting plate (85R) – contours through 2 nd row; channel for wiring – Pre-wiring for grille LED lights, siren and speaker (60A) – Wiring harness I/P to rear cargo area (overlay) <ul style="list-style-type: none"> o Two (2) light cables – supports up to six (6) LED lights (engine compartment/grille) o Two (2) 50-amp battery and ground circuits in RH rear-quarter o One (1) 10-amp siren/speaker circuit engine cargo area – Rear hatch/cargo area wiring – supports up to six (6) rear LED lights – Does “not” include LED lights, side connectors or controller <ul style="list-style-type: none"> o Recommend Police Wire Harness Connector Kits 47C and 21P Note: Not available with options: 65U, 67G, 67H	67U	\$529.00
Police Wire Harness Connector Kit – Front For connectivity to Ford PI Package solutions includes: <ul style="list-style-type: none"> • (2) Male 4-pin connectors for siren • (5) Female 4-pin connectors for lighting/siren/speaker • (1) 4-pin IP connector for speakers • (1) 4-pin IP connector for siren controller connectivity • (1) 8-pin sealed connector • (1) 14-pin IP connector Note: See Upfitters guide for further detail www.fordpoliceinterceptorupfit.com	47C	\$100.00
Police Wire Harness Connector Kit – Rear For connectivity to Ford PI Package solutions includes: <ul style="list-style-type: none"> • (1) 2-pin connector for rear lighting • (1) 2-pin connector • (6) Female 4-pin connectors • (6) Male 4 pin connectors • (1) 10-pin connector Note: See Upfitters guide for further detail www.fordpoliceinterceptorupfit.com	21P	\$126.00
KEY EXTERIOR OPTIONS		
Engine Block Heater	41H	\$87.00
License Plate Bracket – Front	153	NC
Lamps		
Auto Headlamp	86L	\$109.00
Dark Car Feature – Courtesy lamp disable when any door is opened	43D	CONTRACT
Daytime Running Lamps	942	\$43.00
Dome Lamp – Red/White in Cargo Area	17T	\$50.00
★ Front Warning Auxiliary Light (Driver side – Red / Passenger side – Blue) Note: Requires 60A	21L	\$529.00
★ Forward Indicator Pocket Warning Light – Warn, Park, Turn (Driver side – Red / Passenger side – Blue) Note: Requires 60A	21W	\$614.00
Pre-wiring for grille LED lights, siren and speaker \$50.00	60A	O / P-66A / P-67G / P-67H / P-67U
Side Marker LED – Sideview Mirrors (Driver side – Red / Passenger side – Blue) – Located on backside of exterior mirror housing – LED lights only. Wiring, controller “not” included. Note: Requires 60A Note: Recommend using Cargo Wiring Upfit Package (67G), Ready for the Road Package (67H) or Ultimate Wiring Package (67U)	63B	\$280.00
Rear Quarter Glass Side Marker Lights (Driver side – Red / Passenger side – Blue)	63L	\$552.00
Spot Lamp Prep Kits		
Spot Lamp Prep Kit, Driver Side Note: Does not include spot lamp housing and bulb	51P	\$134.00
Spot Lamp Prep Kit, Dual Side Note: Does not include spot lamp housing and bulbs	51W	\$270.00
Spot Lamp – Incandescent Bulb:		
Driver Only	51Y	\$206.00
Dual (driver and passenger)	51Z	CONTRACT
Spot Lamp – LED Bulb:		
Driver Only (Unity)	51R	\$380.00
Driver Only (Whelen)	51T	\$403.00
Dual (driver and passenger) (Unity)	51S	\$595.00
Dual (driver and passenger) (Whelen)	51V	\$638.00
Body		
Glass – Solar Tint 2 nd Row, Rear Quarter and Liftgate Window (Deletes Privacy Glass)	92G	\$116.00
Glass – Solar Tint 2 nd Row Only, Privacy Glass on Rear Quarter and Liftgate Window	92R	\$83.00

★ = New for this model year

P = Included in Equipment Group, S = Standard Equipment, O = Optional

2016 UTILITY POLICE INTERCEPTOR EQUIPMENT GROUP

EQUIPMENT GROUP		
Body (continued)		
Roof Rack Side Rails – Black	68Z	\$150.00
Deflector Plate (Standard on EcoBoost® engine)	76D	\$322.00
VINYL WRAP OPTIONS		
Two-Tone Vinyl Package #1 <ul style="list-style-type: none"> • Roof Vinyl • RH/LH Front-Doors Vinyl • RH/LH Rear-Doors Vinyl • White (YZ) Only Note: Not available with the following options: 91C, 91D, 91E, 91F, 91G, 91H, 91J	91A	\$807.00
Two-Tone Vinyl Package #3 <ul style="list-style-type: none"> • Roof Vinyl • RH/LH Front-Doors Only Vinyl • White (YZ) Only Note: Not available with the following options: 91A, 91D, 91E, 91F, 91G, 91H, 91J	91C	\$673.00
Two-Tone Vinyl – Roof <ul style="list-style-type: none"> • Roof Vinyl • White Only Note: Not available with the following options: 91A, 91C	91H	\$471.00
Two-Tone Vinyl – RH/LH Front-Doors <ul style="list-style-type: none"> • White Only Note: Not available with the following options: 91A, 91C, 91D, 91E, 91F, 91G	91J	\$293.00
Vinyl Word Wrap – POLICE “non-reflective” <ul style="list-style-type: none"> • White (YZ) lettering located on LH/RH sides of vehicle Note: Not available with the following options: 91A, 91C, 91E, 91F, 91G, 91J	91D	\$764.00
Vinyl Word Wrap – POLICE “reflective” <ul style="list-style-type: none"> • Black lettering located on LH/RH sides of vehicle Note: Not available with the following options: 91A, 91C, 91D, 91F, 91G, 91J	91E	\$764.00
Vinyl Word Wrap – POLICE “reflective” <ul style="list-style-type: none"> • White lettering located on LH/RH sides of vehicle Note: Not available with the following options: 91A, 91C, 91D, 91E, 91G, 91J	91F	\$764.00
Vinyl Word Wrap – SHERIFF “non-reflective” <ul style="list-style-type: none"> • White lettering located on LH/RH sides of vehicle Note: Not available with the following options: 91A, 91C, 91D, 91E, 91F, 91J	91G	\$764.00
Wheels		
Wheel Covers (18" Full Face Wheel Cover) Note: Only available with the standard Police wheel, not available with 64E	65L	\$59.00
18" Painted Aluminum Wheel Note: Spare wheel is an 18" conventional (Police) black steel wheel	64E	\$457.00
Audio / Video		
Rear View Camera (Includes Electrochromic Rear View Mirror – Video is displayed in rear view mirror) Note: This option would replace the camera that comes standard in the 4" center stack area. Note: Camera can only be displayed in the 4" center stack (std) "OR" the rear view mirror (87R)	87R	NC
SYNC® Basic (Voice-Activated Communication System) – Includes single USB port and single auxiliary audio input jack	53M	\$284.00
Remappable (4) switches on steering wheel (less SYNC®)	61R	\$150.00
Remappable (4) switches on steering wheel (with SYNC®)	61S	\$150.00
Doors / Locks (Select only one)		
Rear-Door Handles Inoperable / Locks Operable ¹	68L	\$33.00
Rear-Door Handles Inoperable / Locks Inoperable ¹	68G	\$33.00
Hidden Door-Lock Plunger w/Rear-door handles operable ¹	52H	\$135.00
Hidden Door-Lock Plunger w/Rear-door handles inoperable ¹	52P	\$154.00 / P-67H
Windows		
Windows – Rear-window power delete, operable from front driver side switches	18W	\$25.00
Flooring / Seats		
1 st and 2 nd row carpet floor covering (includes floor mats, front and rear)	16C	\$121.00 / P-65U
2 nd Row Cloth Seats	88F	\$59.00 / P-65U
★ Power passenger seat (6-way) w/manual recline and lumbar (Late Availability)	87P	\$313.00 O
Front Console Plate – Delete Note: Not available with option: 67G, 67H, 67U, 85R	85D	NC / P-65U
Rear Console Plate Note: Not available with option: 65U, 85D	85R	\$33.00 / P-67G / P-67H / P-67U
Keys (Note: Not compatible with Remote Keyless-Entry – 595)		
Keyed Alike – 1435x	59E	\$50.00

¹ Options 68L, 68G, 52H and 52P not available in any combination

★ = New for this model year

P = Included in Equipment Group, S = Standard Equipment, O = Optional

2016 UTILITY POLICE INTERCEPTOR EQUIPMENT GROUP

EQUIPMENT GROUP		
Keys (Note: Not compatible with Remote Keyless-Entry - 595) (continued)		
Keyed Alike - 1284x	59B	\$50.00
Keyed Alike - 0135x	59D	\$50.00
Keyed Alike - 0576x	59F	\$50.00
Keyed Alike - 1111x	59J	\$50.00
Keyed Alike - 1294x	59C	\$50.00
Keyed Alike - 0151x	59G	\$50.00
Safety & Security		
Ballistic Door-Panels - Driver Front-Door Only	90D	-1,245.00 CREDIT
Ballistic Door-Panels - Driver & Pass Front-Doors	90E	CONTRACT
BLIS® - Blind Spot Monitoring with Cross-traffic Alert (Requires 54Z) Note: Includes manual fold-away mirrors, w/heat, w/o memory, w/o puddle lamps	55B / 54Z	\$523.00
Lockable Gas Cap for Easy Fuel® Capless Fuel-Filler	19L	\$19.00
Mirrors - Heated Sideview	549	CONTRACT
Perimeter Anti-Theft Alarm - Activated by Hood, Door or Liftgate - Requires Key Fob (595)	593	\$116.00
Remote Keyless-Entry Key Fob (w/o Keypad, less PATS) Note: Not available with Keyed Alike	595	\$250.00
Reverse Sensing	76R	CONTRACT
Misc		
Aux Air Conditioning Note: Not available with Cargo Storage Vault (63V)	17A	\$586.00
Badges Delete - Deletes the "Police Interceptor" badging on rear liftgate - Deletes the "Interceptor" badging on front hood (EcoBoost®)	16D	NC
Cargo Storage Vault (includes lockable door and compartment light) Note: Not available with Aux Air Conditioning (17A)	63V	\$235.00
Scuff Guards - Protective wrap edging located on front edge of both rear-doors - Top surface of rear bumper (help protect the upper surface from paint damage that can occur while loading and unloading of cargo)	55D	\$87.00
My Speed Fleet Management - Allows dealer or fleet administrator to lower the maximum vehicle speed and the maximum audio system volume using a Ford authorized IDS diagnostic service tool - Allows the VMAX speed to be set in 5mph increments (between 90 - 131 mph) Note: See Upfitter's Guide for further detail www.fordpoliceinterceptorupfit.com	43S	\$59.00
Noise Suppression Bonds (Ground Straps)	60R	CONTRACT
Enhanced PTU Cooler - Power Transfer Unit - Recommended Usage: EVOG Training; Continuous / Extended Track Usage Note: This PTU Cooler is not required for day to day patrol usage Note: Requires the 3.5L V6 EcoBoost® Engine (99T)	52B	\$2,809.00
100 Watt Siren/Speaker (includes bracket and pigtail)	18X	\$289.00 / P-67H

* = New for this model year

P = Included in Equipment Group, S = Standard Equipment, O = Optional

Approval of Policy “Volunteer Firefighter Stipend”

Summary:

With the continued improvement of the Volunteer Firefighter program the “Volunteer Stakeholders” committee is recommending the approval of a policy that would provide a “nominal” stipend to Volunteer Firefighters when providing emergency/special staffing.

The policy submitted has been reviewed by Counsel and meets the guidelines as outlined by the Department of Labor (DOL) – Fair Labor Standards Act (FLSA).

Fiscal Impact:

The fiscal impact is unknown but forecasted to be minimal based on current Volunteer response data.

Recommendation:

Staff recommends the approval of the policy as submitted.

Volunteer Firefighter Stipend

Section: I. Personnel
Sub-Section: J. Compensation
Number: 9. Volunteer Stipend
Pages: 2
Adopted: 11/19/2015
Revised:

Volunteer Firefighter Stipend

PURPOSE

- The purpose of this policy is to establish the payment of stipends to individuals who volunteer their services and whom are in good standing with El Dorado Hills Fire Department (“the Department”) for the purpose of providing emergency or special staffing.

RESPONSIBILITY

- All Chiefs
- All Employees
- All Volunteers

POLICY

The Department utilizes volunteer personnel to augment full-time personnel providing emergency services. This will enable the Department to appropriately staff an apparatus or station when unexpected situations reduce paid staffing to below minimum levels. This policy is intended to provide – in combination with paid Department personnel – well-trained and equipped volunteers to enhance the fire protection and emergency response services in El Dorado Hills.

STIPEND

Volunteer firefighters shall not receive any wages or employment-related benefits for their services to the Department. In an effort to reimburse volunteers for out-of-pocket expenses incurred in connection with extended emergency response coverage, “special circumstance” and shift duty coverage, a stipend schedule has been established for positions from Firefighter through the Captain/Lieutenant rank.

Emergency or Special Staffing Circumstances Stipend

The Stipend provided will be:

<u>Rank</u>	<u>Hours</u>	<u>Stipend</u>
Captain/LT.	4-6	\$70.00
	6-12	\$140.00
	12-24	\$280.00
Engineer/DO	4-6	\$60.00
	6-12	\$120.00
	12-24	\$250.00
Firefighter	4-6	\$50.00
	6-12	\$100.00
	12-24	\$205.00

Volunteers will receive the stipend as reflected above. The stipend is not intended to compensate volunteers on an hour-for-hour basis, nor is it tied to productivity. Instead, the amount of the stipend is based on the commitment provided by the volunteer and is intended to defray the costs associated with the volunteer effort as outlined below in extended emergency response and special staffing circumstances.

Emergency or Special Staffing Circumstances (Examples)

1. El Dorado Hills provides an Engine on a Strike Team staffed with paid personnel. The Duty Chief is unable to back-fill with off-duty paid personnel. In order to ensure the provision of essential firefighting services, a Volunteer Engine Company is staffed with a Volunteer Officer, Volunteer Engineer/DO, and Volunteer Firefighter. The engine covers the station for fifteen hours. The Volunteers would receive stipends of:
 - \$280 for the Officer
 - \$250 for the Engineer/DO
 - \$205 for the Firefighter
2. A Volunteer Firefighter staffs a Firefighter position with a paid Captain and a paid Engineer due to the inability to fill that Firefighter position as required by policy. The Volunteer Firefighter works a full 24-hour shift with the paid crew. The Volunteer Firefighter would receive a stipend of:
 - \$205.00 for the Firefighter

Ineligible Activities – Non-Payment of Stipends

- Volunteers who respond to an incident that is reimbursed as mutual aid under the California Fire Assistant Agreement (CFAA) are not eligible for stipends under this policy. In those instances, volunteers will receive reimbursement of the base rate provided by CFAA.
- Individuals who participate in “ride-alongs” in order to maintain training standards or for other reasons are not eligible for the payment of stipends under this policy.
- Volunteers who participate in normal Volunteer activities as defined in the 2015 Volunteer Training and Response requirements are not eligible for the payment of stipends under this policy.

Approval for Payment of Stipend and Payment by the District

To receive a stipend as outlined above, a Volunteer Firefighter must:

1. Complete a Request for Payment of Stipend (paper copy) and submit it to the Duty Chief for approval.
2. Payroll will issue payments as soon as reasonably practicable (and will attempt to complete stipend payments within thirty days). Payments will be made in accordance with applicable state and federal tax provisions.

VOLUNTEER REQUEST FOR STIPEND PAYMENT

Name _____ Date _____ Incident # _____

Start Time _____ End Time _____ Total Hours _____

Incident Location _____

Type of Incident _____

Apparatus or Station Number Staffed _____

Duty Chief Approval _____

Financial Officer Approval _____

Amount of Stipend _____

Date Payment Completed _____

VOLUNTEER REQUEST FOR STIPEND PAYMENT

Name _____ Date _____ Incident # _____

Start Time _____ End Time _____ Total Hours _____

Incident Location _____

Type of Incident _____

Apparatus or Station Number Staffed _____

Duty Chief Approval _____

Financial Officer Signature _____

Amount of Stipend _____

Date Payment Completed _____

To our friends at

EDH

Fire Department

OS ≠ Ph

Thank you very much

hoyse

from your friends at

Christopher C. Emmanuel

DEAN

GMS

Tavor

ll

day

no geht

Williams

NOAH

Maxwell Rogers

NOAH

Josh

pleas

ELI

leads

River

Wanya

Nehemiah Washington

Jack

Ydano

Joseph

K R A

Thank you for risking your life for

5100 Dr. World
Valley Springs
95252
Oct. 20, 2018

Dear EL Dorado Hills Fire Department,

My name is Sydney, I am a 5th grader at Jenny Lind Elementary. Recently there ~~was a~~ fire in my community called the Butte Fire. My sisters had ashes raining down on their school and had to watch out for ashes, I had a lot of smoke at my school.

My class wants to thank you for your hard work work putting out the Butte Fire. I saw the news that the fire was so big ~~it~~ was at the bottom of the mountain. I also saw some fire trucks driving by my house. Thank you for helping with the fire. I hope you have a wonderful time fighting fires. Again, thank you for helping with the fire.

Sincerely,
Sydney

5100 Driver RD
Vally Springs, CA
95252

October 22, 2015

Dear El Dorado Hills Fire Dept,

My name is Zach. I am a 6th grade student at Jenny Lind Elementary School. Recently, there was a fire in my community called the Butte Fire. I was affected by the fire because I skipped school for 6 days which wasn't all that bad, but I got really sick. Many people suffered on losing their houses and I don't have a house. My house wasn't burnt down, but I live in a 5th wheel (a trailer) that expands. My family and I moved from Shingle Springs and I used to go to Latrobe School Elementary. I think I remember that you are right next to Latrobe School. The school use to do field trips to see what you do. Anyways I wanted to thank you for doing all you can to stop the fire.

Our class would like to thank you for your heroic work on the Butte Fire. I herd that many fire fighters were digging containment lines. I was wondering, did any of you fly helicopters or planes? I also herd that fire fighters evacuated people and animals. 2 people died because

they didn't evacuate their houses,
or maybe house. Many fire fighters
have tried to protect homes
by spraying houses with water. I
have seen MANY planes and
helicopters pass by my house.
I had water and retardent.
I think I know some of you
fire fighters, but again thank
you for helping my community,
I mean our community. Keep
up the good work!

Sincerely,
Zach