

DOCKETED

Docket Number:	08-AFC-08A
Project Title:	Hydrogen Energy Center Application for Certification Amendment
TN #:	200169
Document Title:	Post PSA Release: Specific Kern County Comments and Recommended Mitigation Measures
Description:	N/A
Filer:	Tiffani Winter
Organization:	County of Kern, Planning and Community Development Department
Submitter Role:	Public Agency
Submission Date:	8/13/2013 10:21:47 AM
Docketed Date:	8/13/2013

PLANNING AND COMMUNITY
DEVELOPMENT DEPARTMENT

Lorelei H. Oviatt, AICP, Director

2700 "M" STREET, SUITE 100
BAKERSFIELD, CA 93301-2323

Phone: (661) 862-8600

FAX: (661) 862-8601 TTY Relay 1-800-735-2929

E-Mail: planning@co.kern.ca.us

Web Address: www.co.kern.ca.us/planning



DEVELOPMENT SERVICES AGENCY

Planning and Community Development
Engineering, Surveying and Permit Services
Roads Department

August 8, 2013

File: Hydrogen Energy, California (HECA)
Zone Map No. 120

California Energy Commission
Attn: John Heiser, Project Manager
1516 9th Street, MS-15
Sacramento, CA 95814-5512

RE: Hydrogen Energy California – Amended Application for Certification (08-AFC-8A)
Post PSA Release: Specific Kern County Comments and recommended Mitigation Measures to address potential impacts of the proposed HECA Project located within Kern County.

California Energy Commission Representatives:

Kern County is in receipt of the May 15, 2012, notice from the California Energy Commission (CEC), requesting Agency participation in the review of the amended application submitted to the CEC on May 2, 2012 for the Hydrogen Energy California (HECA) Project. The County appreciates this opportunity to participate in this review and has submitted several comment letters to the CEC regarding this project.

As noted in our previous correspondence, the Kern County Planning and Community Development Department (PCDD) has acted as the clearinghouse for all County communications with the CEC; and has coordinated internally to compile the County's comments and recommended mitigation measures related to this project. The comments received from County Departments and stakeholders were presented to the Kern County Board of Supervisors on February 26, 2013. At that hearing, the Board authorized the PCDD to prepare formal written comments to the CEC which listed the specific mitigation measures for inclusion in the CEC Preliminary Staff Assessment (PSA) to address the impacts of the HECA Project on County services and risks to residents. Those comments were distributed on March 6, 2013 (CEC Docket Number 08-AFC-08A, TN #69831). Also at the February 26, 2013 hearing, the Board directed the PCDD to bring the matter back before them for review of the PSA once it was released.

On July 23, 2012, the PCDD and other County Departments presented comments and a review of the PSA to the Board of Supervisors, as listed in the July 23, 2013 Board Letter previously provided to the CEC (CEC Docket Number 08-AFC-08A, TN #200008). County Staff noted that the PSA deferred findings on several of the project impacts until issuance of the Final Staff Assessment (FSA); and that while the PSA included several of the previously requested County mitigation measures, several important measures were not included in the PSA. The Board of Supervisors took action to direct County Staff to prepare additional comments to the CEC requesting inclusion of mitigation measures, reiterated that Kern County is not supportive of the use of eminent domain to facilitate this project, and listed several specific requests in addition to the previously requested mitigation measures. **The full video transcript of the Board hearing is incorporated into this letter by reference and can be found at the following web-link: <http://www.co.kern.ca.us/bos/AgendaMinutesVideo.aspx>.**

Therefore, at the direction of the Kern County Board of Supervisors, this letter includes 3 parts: (1) a listing of mitigation measures previously requested by the Kern County that were not included in the PSA and the County's subsequent recommended revisions to the Conditions of Certification; (2) a listing of other additional requests specified by the Board; and, (3) closing comments and a reiteration that Kern County does not support the use of eminent domain for any action related to the HECA Project.

PART 1. RECOMMENDED REVISIONS TO THE CONDITIONS OF CERTIFICATION

As demonstrated in the July 23, 2013 Board of Supervisors Board Letter (CEC Docket Number 08-AFC-08A, TN #200008), there are a number of issues that have not yet been addressed by the PSA, or that are pending further information. As such, several of the Kern-County requested mitigation measures were not included in the PSA. Therefore, Kern County requests that the CEC make revisions to the Conditions of Certification included in the PSA as listed in Table 1 below.

Table 1. Kern County Requested Changes/ Additions to Mitigation Measures included in CEC's June 2013 PSA			
Kern County Mitigation Request #	Kern County Requested Mitigation Measure (Topic Summary) ¹	Kern County Requested Change to CEC Mitigation Measure/Condition of Certification as currently listed in the PSA (Requested changes in strike-out and <u>underline</u>)	Kern County Justification for Revision
Planning-3	Mitigate impacts to public services by ensuring sales tax during construction are paid to Kern	<p>Revise SOCIO-1 to read as follows:</p> <p><i>The project owner shall use best efforts to ensure as much sales and use tax revenue resulting from project construction and operation is attributed to Kern County. <u>To ensure this, the project owner shall adhere to the following:</u></i></p> <p><u>1. Prior to the issuance of the first grading or building permit for the project, the Project Proponent shall obtain a local street address within the unincorporated portion of Kern County and shall register this address with the State Board of Equalization. The address shall be used for all activities related to the acquisition of construction materials and for all construction-related purchase and billing purposes associated with the project. The Project Operator shall allow the County to use this sales tax information publicly for reporting purposes.</u></p> <p><u>2. The project proponent shall continuously comply with the following during construction and operation:</u></p> <p><u>a. Make a good-faith effort to have all transactions that will generate sales and use taxes, including transactions of project owner's contractors, occur in the unincorporated area of the county;</u></p> <p>(No further changes to remainder of Mitigation Measure)</p>	<p>This revision will facilitate accurate and efficient implementation of the rest of the mitigation measure as listed by the CEC.</p> <p>See above</p>
Fire-1	HECA to purchase an Industrial Foam Pumper Truck and Tender	Revise WORKER SAFETY-8 one-time payment to KCFD of \$ 2,501,100	Amount insufficient per Table 2 of this Letter
Fire-2	HECA to provide funding for Fire Protection Specialist	Revise WORKER SAFETY-8 one-time payment to KCFD of \$2,501,100	Amount insufficient per Table 2 of this Letter
Fire-3	HECA to provide funding for purchase of 3.5-5 acre plot to relocate fire station	Revise WORKER SAFETY-8 one-time payment to KCFD of \$2,501,100	Amount insufficient per Table 2 of this Letter
Fire-4	HECA to provide annual funding for 50% cost of County Fire Prev Inspector	Revise WORKER SAFETY-8 one-time payment to KCFD of \$2,501,100	Amount insufficient per Table 2 of this Letter

Table 1. Kern County Requested Changes/ Additions to Mitigation Measures included in CEC's June 2013 PSA			
Kern County Mitigation Request #	Kern County Requested Mitigation Measure (Topic Summary) ¹	Kern County Requested Change to CEC Mitigation Measure/Condition of Certification as currently listed in the PSA (Requested changes in strike-out and <u>underline</u>)	Kern County Justification for Revision
Fire-5	HECA to provide annual training to KC Fire Staff	Revise WORKER SAFETY-8 annual payment of to KCFD of \$1,128,400	Amount insufficient per Table 2 of this Letter
Fire-6	HECA to provide funding for a new Fire Rescue Truck	Revise WORKER SAFETY-8 one-time payment to KCFD of \$2,501,100	Amount insufficient per Table 2 of this Letter
Fire-7	HECA to provide Air Monitoring Equipment	Revise WORKER SAFETY-8 one-time payment to KCFD of \$2,501,100	Amount insufficient per Table 2 of this Letter
Fire-8	HECA to contribute annual funds for salaries for 6 Fire Engineers	Revise WORKER SAFETY-8 annual payment of to KCFD of \$1,128,400	Amount insufficient per Table 2 of this Letter
Fire-8	HECA shall contribute to reverse 911 system and shelter-in-place program	Revise WORKER SAFETY-8 annual payment of to KCFD of \$1,128,400	Amount insufficient per Table 2 of this Letter
EHS-1	Crash Protection around Secondary Containment	Revise HAZ-4 to read as follows: <i>The two anhydrous ammonia storage tanks shall be double-walled tanks designed to API 620 Appendix R. The storage tanks shall be protected by a secondary containment basin capable of holding 125% of the storage volume and that drains to an underground vault. The final design drawings and specifications for the ammonia storage tanks and secondary containment basin and vault shall be submitted to the CPM for review and approval.</i> <u>Additionally, the applicant shall provide crash protection around the proposed secondary containment areas as appropriate to accommodate stacking/moving equipment. The applicant shall provide physical barriers and site security for the proposed project site as approved by the Environmental Health Division to reduce the potential of a chemical release.</u>	Though the PSA analysis discusses barriers that could assist with crash protection, Kern requests that specific language be added to the measure to ensure proper implementation and clear explanation to the public.
EHS-3	Comply with CUPA (Certified Unified Program Agency)	Revise HAZ-2 to read as follows: <i>The project owner shall concurrently provide the following to the Kern County Environmental Health Service Department (KCEHSD) and the CPM for review:</i> a. a Hazardous Materials Business Plan (HMBP); b. a Spill Prevention, Control, and Countermeasure Plan (SPCC Plan); and c. a Risk Management Plan (RMP) specifically for the use and storage of anhydrous ammonia, methanol, and liquid	Revision Necessary for clarification

Table 1. Kern County Requested Changes/ Additions to Mitigation Measures included in CEC's June 2013 PSA

Kern County Mitigation Request #	Kern County Requested Mitigation Measure (Topic Summary) ¹	Kern County Requested Change to CEC Mitigation Measure/Condition of Certification as currently listed in the PSA (Requested changes in strike-out and underline)	Kern County Justification for Revision
		<p>oxygen/nitrogen and prepared pursuant to the California Accidental Release Program (CalARP).</p> <p>d. <u>Any other documents deemed necessary by KCEHSD for compliance with Certified Unified Program Agency (CUPA).</u></p> <p>After receiving comments from the KCEHSD and the CPM, the project owner shall reflect all recommendations in the final documents. Copies of the final plans shall then be provided to the KCEHSD for information and to the CPM for approval.</p>	
EHS-4	Provide Knox Box (locked document storage box) at main entrance for 1 st responders.	<p>Include additional HAZ mitigation measure to read as follows:</p> <p><u>The applicant shall provide a locked storage box (Knox box) outside the main entrance that can be accessed by first responders. It shall provide first responders with the ability to access the site immediately. It shall contain the following information:</u></p> <ul style="list-style-type: none"> • <u>Hazardous materials business plan</u> • <u>MSDS sheets for all chemicals stored at the site</u> • <u>Emergency contact numbers</u> 	Though a Knox Box may be needed as part of the HMBP, this revision is necessary for clarification
EHS-7	Prepare Training brochure for residents for "off-site consequences"	<p>Include additional HAZ mitigation measure to read as follows:</p> <p><u>The applicant shall develop a letter/pamphlet/brochure to be reviewed and approved by the Planning Department and Environmental Health Division that provides information to the residences/businesses within the impact area of the off-site consequence analysis (OCA). The information must describe the OCA findings and actions to follow in the event of a release from any covered Cal ARP process.</u></p>	This revision helps ensure that the applicant prepares appropriate public information for an OCA that is reviewed by the County prior to distribution.
EHS-8	Complete a Process Hazard Analysis (PHA) approved by EHS	Revise HAZ-9 to include Kern County EHS as a reviewing/approving agency for PHA.	Revision necessary for clarification
EHS-9	Prepare an Emergency Response Plan for accidental hazardous Release	Revise HAZ-2 to include provision for preparation of an Emergency Response Plan for accidental hazardous Release.	Revision necessary for clarification
EHS-10	Permanent weather station with wind direction in case of accidental release	<p>Include additional HAZ mitigation measure to read as follows:</p> <p><u>The applicant shall provide a permanent weather station with remote internet access for monitoring of wind direction in case of an accidental release at the facility. The data shall be kept on site or made available electronically for review by the Environmental Health Division on a 24/7 basis.</u></p>	Will provide County a method to direct first responders and evacuations in the event of an accidental release.

Table 1. Kern County Requested Changes/ Additions to Mitigation Measures included in CEC's June 2013 PSA

Kern County Mitigation Request #	Kern County Requested Mitigation Measure (Topic Summary) ¹	Kern County Requested Change to CEC Mitigation Measure/Condition of Certification as currently listed in the PSA (Requested changes in strike-out and <u>underline</u>)	Kern County Justification for Revision
Engineering-1	Applicant to pay for all County costs to review, inspect and issue permits and plans	Revise GEN-3 to ensure that payments made to County are based on adopted County fee code; not a negotiated fee schedule.	Required by County Code
Engineering-2	Applicant to provide a qualified person, approved by County, to prepare hazards reports.	Include additional GEN Mitigation Measure to read as follows: <u>The applicant shall provide a qualified person, approved by the Department, to prepare a report identifying all hazardous materials, classified in accordance with the California Building Code, to be used or stored. The report shall be submitted with their plan review documents and include recommendations for fire protection, as well as storage and handling of materials.</u>	Necessary per CBC
Engineering-4	Applicant to provide an on-site office for County inspector.	Include additional GEN Mitigation Measure to read as follows: <u>The applicant shall provide an on-site office, plan rack, desk and adequate accommodations for the County's building inspector(s) for the duration of the project.</u>	No sufficient County facilities at this time
Roads-1	- Place-holder -	- Place-holder - Mitigation Measures Forthcoming from Kern County Roads Department	Pending
Waste-1	Provide Waste characterization to County for compliance with Kern landfill operations/fees	Revise WASTE-7 to include review and approval from Kern County Waste Management Department	Revision necessary for clarification
Waste-3	Payment of specific tipping fees (per ton) to compensate Kern County for impacts to Jurisdictional Reporting and to fund alternative diversion programs to help Kern meeting State requirements	Include additional WASTE Mitigation Measure to read as follows: <u>If residual gasification solids, or other waste products, are subject to Jurisdictional Reporting and credited to the Kern County unincorporated area as disposal, HECA shall compensate Kern County via payment based on the following schedule: \$30 a ton (0-100 tons per day); \$50 a ton (101 – 200 tons per day); \$75 a ton (greater than 200 tons per day); or other amount as approved by the Board of Supervisors, to mitigate impacts to diversion programs. The County shall deposit the money in a Diversion Mitigation Reserve Account that will be used to fund diversion programs in Kern County. This is in addition to any gate/tipping fees for disposal.</u>	Revision needed to ensure that County is adequately compensated for impacts to County facilities and State Diversion Program Requirements
Waste-4	Divide waste streams among multiple facilities to reduce impacts to any one facility	Include additional WASTE Mitigation Measure to Read as follows: <u>HECA waste stream shall be subdivided between several facilities to reduce the potential impacts to any one facility. Facilities to be considered include the Bakersfield Metropolitan (Bena) RSLF, the Shafter-Wasco RSLF and the Taft RSLF.</u>	Revision needed to ensure that impacts to County facilities are appropriately distributed.

¹ See Appendix A of this Report for a complete "verbalim" listing of all Kern County Requested Mitigation Measures.

As noted above in Table 1, Kern County is requesting revisions to the dollar amounts listed to mitigate for HECA's impacts to Fire and Safety services within Kern County. Table 2 provides detail and support for this request and additional back-up documentation is provided in Appendix A of this letter.

Table 2. Detail of Estimated Fire Mitigation Costs		
County MM Number	Mitigation Measure Request	Anticipated Cost
One-Time Costs (Paid prior to initiation of construction)		
Fire-1	HECA to purchase an Industrial Foam Pumper Truck and Tender	\$912,795
Fire-2	HECA to provide funding for Fire Protection Specialist (Estimated at \$125,000/year for duration of Construction through Commencement of Operations: 4 years [2014-2018])	\$192,000
Fire-3	HECA to provide funding for purchase of 3.5-5 acre plot to relocate fire station	\$77,900
Fire-4	HECA to provide annual funding for 50% of cost of a County Fire Prevention Inspector (Estimated at \$88,600/year for duration of Construction through Commencement of Operations: 4 years [2014-2018])	\$368,764
Fire-6	HECA to provide funding for a new Fire Rescue Truck	\$910,299
Fire-7	HECA to provide Air Monitoring Equipment	\$39,314
Total One Time Payment Required		\$2,501,072
Amount Proposed by CEC		\$2,000,000
Shortage/ Adjustment Amount Needed		\$501,072
Annual Costs (Recurring)		
Fire-5	HECA to provide annual training to KC Fire Staff	23,045
Fire-8	HECA to contribute annual funds for salaries for 6 Fire Engineers	1,104,900
Fire-9	HECA shall contribute to reverse 9-1-1 system and shelter-in-place program (\$2.50 per address, per year. Estimated at 150 addresses)	375
Total Annual Payment Required		\$1,128,320
Amount Proposed by CEC		\$850,000
Shortage/ Adjustment Amount Needed		\$278,320
+ Remove language regarding "off-set" for Property Tax Allocation		
+ Remove language regarding waiver of County-related inspection fees		

PART 2. OTHER ADDITIONAL REQUESTS SPECIFIED BY THE BOARD

At the July 23, 2013 Board of Supervisors hearing (incorporated by reference as noted in the opening paragraphs to this letter), the Board made several specific requests for inclusion in the Final Staff Assessment (FSA), to be issued by the CEC. Those requests are as follows:

Table 3. Additional Requests Per Kern County Board of Supervisors on July 23, 2013		
Topic	Request	Suggested Category for inclusion in FSA
Agriculture-1	Bonding. Analyze the potential for HECA to enter into a bonding agreement to set aside funds to mitigate any potential damages to local farm crops that are directly related to the HECA Project.	Land Use
Land Use-1	Eminent Domain. The Kern County Board of Supervisors reiterates that Kern County is NOT supportive of the use of eminent domain in association with any component of the HECA Project.	Land Use Traffic/Transport Facility Design
Hazards-1	Air Monitor: Consider installation of an Air Monitor at local schools within a 5-mile radius of HECA project.	Hazards Public Health
Hazards-2	Reverse 9-1-1. Insure that mitigation for reverse 9-1-1 system is included.	Hazards Public Health
Hazards-3	Explosion Potential. Include a more in-depth analysis of the explosion potential of the HECA Project; particularly the fertilizer component.	Hazards Public Health
Hazards-4	Anhydrous Ammonia for Fertilizer Only. Include mitigation measure to ensure and verify that the anhydrous ammonia will only be used for production of fertilizer and will not be sold off site.	Hazards Land Use Public Health
Traffic-1	Tupman Road: Repair and replace Tupman Road after completion of project construction.	Traffic and Transportation
Traffic-2	Hwy 119 and Tupman Road Intersection: Make improvements to intersection; including but not limited to: (1) Install a right-hand turn lane at west-bound Hwy 119 and Tupman Road; (2) Install a traffic signal or warning beacon Intersection at Hwy. 119 and Tupman Road	Traffic and Transportation
Traffic-3	Stockdale Highway: Mitigate potential hazards related to fog on Stockdale Highway by adding passing lanes and/or a passing corridor. Ensure Traffic Study reviews this topic and other similar hazards.	Traffic and Transportation
Traffic-4	Highway 43 (Enos Lane): Work with Caltrans to add additional lanes and/or a passing corridor. Ensure Traffic Study reviews this topic and other similar hazards	Traffic and Transportation
Traffic-5	Interstate 5 and Stockdale Highway: Work with Caltrans to improve this overpass and increase safety for vehicles on the County road which are competing with vehicles that are ingressing/egressing from the Interstate.	Traffic and Transportation
Traffic-6	Construction and Operation Route. Include mitigation which specifies the specific route that project vehicles must use during project construction and operations.	Traffic and Transportation
Traffic-7	Road Improvement Costs: Ensure mitigation measure is worded to ensure that HECA will pay the "cost" of all listed improvements; do not tie mitigation measure to a specific amount because commodity prices fluctuate and may increase prior to completion of the necessary improvements.	Traffic and Transportation
Traffic-8	Bus Stops: Every home along HECA's transportation route (Stockdale Highway, Highway 43/Enos Lane, etc.) is an established bus stop for the local primary schools. School buses stop to pick up students at their homes in this rural area and these bus stops should be protected.	Traffic and Transportation
Waste-1	Waste Diversion Rates. CEC to work with CalRecycle regarding the impact of HECA's waste disposal on Kern County state-mandated diversion rates.	Waste Management

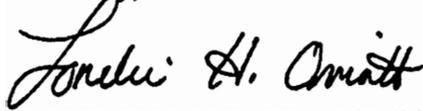
PART 3. CLOSING COMMENTS

On behalf of the Kern County Board of Supervisors and Kern County Agencies and Departments, the Kern County Planning and Community Development Department would like to thank the CEC for your consideration of the comments listed in this letter and requests the following:

1. Please include the comments, mitigation measures, and requests for additional information, as listed in this letter and attachments, in the Final "Staff Assessment/Draft Environmental Impacts Statement" that is being prepared by CEC Staff;
2. Please ensure that this letter and all attachments are provided to the Commissioners for consideration in preparation of the "Presiding Member's Proposed Decision" and also to the full California Energy Commission for consideration in issuing the "Final Decision" on the project;
3. Please note that additional comments are forthcoming from the Kern County Roads Department;
4. Please note that the Kern County Board of Supervisors has directed PCDD Staff to bring this project back before the Board for review and preparation of additional Kern County comments on the CEC's "Final Staff Assessment/ Draft Environmental Impacts Statement." Please be advised that additional comments will be forthcoming after the Board's review of the FSA.

Should you have any questions, please contact me at the contact information listed above. You may also contact the Supervising Planner coordinating Kern County's review of the HECA Project, Ms. Jacquelyn R. Kitchen, at (661) 862-8619 or via email at kitchenj@co.kern.ca.us.

Sincerely,



LORELEI H. OVIATT, AICP, Director
Kern County Planning & Community Development Department

cc: SCS Energy California, LLC.
Attn: Marisa Mascaro
30 Monument Square, Suite 235
Concord, MA 01742

Hydrogen Energy California
Attn: Tom Daniels, Managing Director, Commercial Business
PO Box 100, PMB 271
Mammoth Lakes, CA 93546

Occidental of Elk Hills, Inc.
Attn: William H. Barrett, EOR Business Manager
10800 Stockdale Highway
Bakersfield, CA 93311

cc: (cont.)

Kern County Administrative Office

Kern County Clerk of the Board

Kern County Fire Department

Kern County Environmental Health Services

Kern County Engineering Services

Kern County Roads

Kern County Waste Management

Kern County Sheriff's Department

Kern County Farm Bureau, Inc.
Attn: Benjamin McFarland
801 South Mt. Vernon Avenue
Bakersfield, CA 93307-2048

Kern-Kaweah Chapter of the Sierra Club
Andrea Issod; Matthew Vespa
85 Second Street, 2nd Floor
San Francisco, CA 94105

HECA Neighbors
c/o Chris Romanini
P.O. Box 786
Buttonwillow, CA 93206

Association of Irrigated Residents
Tom Frantz
30100 Orange Street
Shafter, CA 93263

Appendix A

Support Documentation for Fire/Worker Safety Mitigation Measures

From: Don Brady
To: Jacquelyn Kitchen
CC: Benny Wofford; Brian Marshall
Date: 07/22/2013 10:49 AM
Subject: Fwd: Fire Apparatus
Attachments: 0419_001.pdf; 0420_001.pdf

Hi Jaqui,

I placed the updated spreadsheet and the supporting documentation for the HECA project fire mitigation on your desk. I didn't have the signed quotes from Pierce when I was down there but they are attached to this email. Let us know if you need anything further. Chief Marshall was hoping to have a conference call this afternoon to make sure we have everything we need, but I was told you are out of the office today (Monday). Feel free to contact us tomorrow if you have questions or concerns.

Thanks

Table 1. Fire Mitigation Cost Justification			
Mitigation Measure # in Fire's letter to HECA	Description of Item	Cost Justification Amount	Type of Documentation Needed from Fire Department
Material Items			
Fire-1	Industrial Foam Pumper Truck and Tender	\$912,795	See attached quote.
Fire-6	HECA to provide funding for a new Fire Rescue Truck	\$910,299	See attached quote.
Fire-7	HECA to provide Air Monitoring Equipment for 10 stations.	\$39,314	See attached quote.
Fire-3	HECA to provide funding for purchase of 3.5-5 acre plot to relocate fire station. Cost shown is for unimproved property cost of providing water and utilities would be additional.	\$77,900	Average of 19 properties in the area. See attached.
Fire-9	HECA shall contribute to reverse 9-1-1 system and shelter-in-place program. (\$2.50 per address, per year. Estimated at 150 addresses) Search showed 44 homes, one school, and the balance are business improvements.	\$375	Search of assessor's info within 5 miles of plant site.
Additional County Staff			
Fire-2	Fire Protection Specialist \$25,000 initial plan check. \$200.00 per hour fee for consultation as needed thereafter. At 20 hours per month = \$48,000/ year (\$48,000/ yr for duration of Construction through Commencement of Operations: 4 years [2014-2018])	\$192,000	Refer to attached quote from FPS Consultant.
Fire-4	HECA to provide annual funding for 50% of cost of a County Fire Prevention Inspector, \$92,191/ year (\$92,191/year for duration of Construction through Commencement of Operations: 4 years [2014-2018])	\$368,764	See attached scale for Engineer- CA
Fire-5	HECA to provide annual training to KC Fire Staff (Need info of what it would cost to train crew shifts during work-time and maybe during over-time)	\$23,045	See attached charts.
Fire-8	HECA to contribute annual funds for salaries and benefits for 6 Fire Engineers	\$1,104,900	See attached scale for Engineer -C

PROPOSAL FOR FURNISHING FIRE APPARATUS

July 18, 2013

Kern County Fire Department
5642 Victor St.
Bakersfield, CA 93308



PERFORM. LIKE NO OTHERSM

The undersigned is prepared to manufacture for you, upon an order being placed by you, for final acceptance by Pierce Manufacturing, Inc., at its corporate office in Appleton, Wisconsin, the apparatus and equipment herein named and for the following prices:

	Each	Extension
One (1) Industrial Foam Pumper/Tanker	\$ 849,095.18	\$ 849,095.18
Sales Tax @ 7.500%	\$ 63,682.14	\$ 63,682.14
APPARATUS COST WITH TAX	\$ 912,777.32	\$ 912,777.32
Performance Bond Not Required	0.00	\$ -
California Tire Fee	\$ 17.50	\$ 17.50
TOTAL PURCHASE PRICE	\$ 912,794.82	\$ 912,794.82

PLEASE NOTE THE FOLLOWING ABOUT THIS QUOTATION:

Payment options are available and are included under separate cover. One of these options may save your department a significant amount of money!

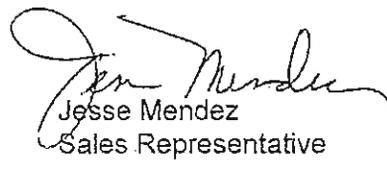
Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war or international conflict, failures to obtain chassis, materials, or other causes beyond our control not preventing, within about 300-330 **CALENDAR DAYS** after receipt of this order and the acceptance thereof at our office in Appleton, Wisconsin, and to be delivered to you at Ontario, CA

The specifications herein contained shall form a part of the final contract and are subject to changes desired by the purchaser, provided such alterations are interlined prior to the acceptance by the company of the order to purchase, and provided such alterations do not materially affect the cost of the construction of the apparatus.

The proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) guidelines for Automotive Fire Apparatus as published at time of bid, except as modified by customer specifications. Any increased costs incurred by the first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customer as an addition to the price set forth above. Unless accepted within 30 days from date, the right is reserved to withdraw this proposition.

Respectfully Submitted,

Pierce Manufacturing Inc.


Jesse Mendez
Sales Representative

PROPOSAL FOR FURNISHING Quantum/Jerr-Dan Rotator

July 18, 2013

Kern County Fire Department
5642 Victor St.
Bakersfield, CA 93308



PERFORM. LIKE NO OTHER.

The undersigned is prepared to manufacture for you, upon an order being placed by you, for final acceptance by Pierce Manufacturing, Inc., at its corporate office in Appleton, Wisconsin, the apparatus and equipment herein named and for the following prices:

	Each	Extension
One (1) Pierce Quantum chassis with a Jerr-Dan 50 ton Rotator with 565 underlift	\$ 846,773.44	\$ 846,773.44
Sales Tax @ 7.500%	\$ 63,508.01	\$ 63,508.01
APPARATUS COST WITH TAX	\$ 910,281.45	\$ 910,281.45
Performance Bond Not Required	0.00	\$ -
California Tire Fee	\$ 17.50	\$ 17.50
TOTAL PURCHASE PRICE	\$ 910,298.95	\$ 910,298.95

PLEASE NOTE THE FOLLOWING ABOUT THIS QUOTATION:

Payment options are available and are included under separate cover. One of these options may save your department a significant amount of money!

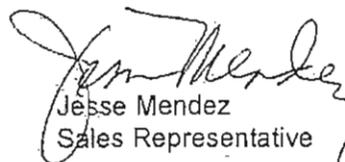
Said apparatus and equipment are to be built and shipped in accordance with the specifications hereto attached, delays due to strikes, war or international conflict, failures to obtain chassis, materials, or other causes beyond our control not preventing, within about 300-330 **CALENDAR DAYS** after receipt of this order and the acceptance thereof at our office in Appleton, Wisconsin, and to be delivered to you at Bakersfield, CA 93308

The specifications herein contained shall form a part of the final contract and are subject to changes desired by the purchaser, provided such alterations are interlined prior to the acceptance by the company of the order to purchase, and provided such alterations do not materially affect the cost of the construction of the apparatus.

The proposal for fire apparatus conforms with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of bid, and with all National Fire Protection Association (NFPA) guidelines for Automotive Fire Apparatus as published at time of bid, except as modified by customer specifications. Any increased costs incurred by the first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customer as an addition to the price set forth above. Unless accepted within 30 days from date, the right is reserved to withdraw this proposition.

Respectfully Submitted,

Pierce Manufacturing Inc.


Jesse Mendez
Sales Representative



267 East Airway Blvd
 Livermore, CA 94551
 Phone: 925-449-7210
 Fax: 925-449-7201

To:
 Aaron Duncan
 Kern County Fire Dept
 661-322-7243
 aduncan@co.kern.ca.us

Date: 7/18/2013

Quotation Valid for 60 Days.

RE: MSA Gas Monitoring Equipment

ITEM	QTY	DESCRIPTION	PRICE	AMOUNT
1	10	MSA Altair 5X Gas Monitor LEL, O2, CO, H2S, Ammonia Li-Ion Rechargeable Battery Pack 1ft Probe, Data Logging, Standard Packaging. P/N A-ALT5X-A-L-K-D-1-0-0-C-0-2-0	\$2,333.00	\$23,330.00
2	10	34 Liter Ammonia Calibration Gas 711078	\$341.10	\$3,411.00
3	10	Demand Flow Regulator For Ammonia Gas 10034391	\$374.40	\$3,744.00
4	10	34 Liter Quad Blend Calibration Gas 10048280	\$228.60	\$2,286.00
5	10	Demand Flow Regulator 710288	\$374.40	\$3,744.00
Subtotal				\$36,515.00
Sales Tax 7.50%				\$2,738.63
Shipping & Handling				\$60.00
Total				\$39,313.63

Prices do not include shipping/handling charges or sales tax unless specified.
 Quotation prices are valid for 60 days. Call if past expiration date.

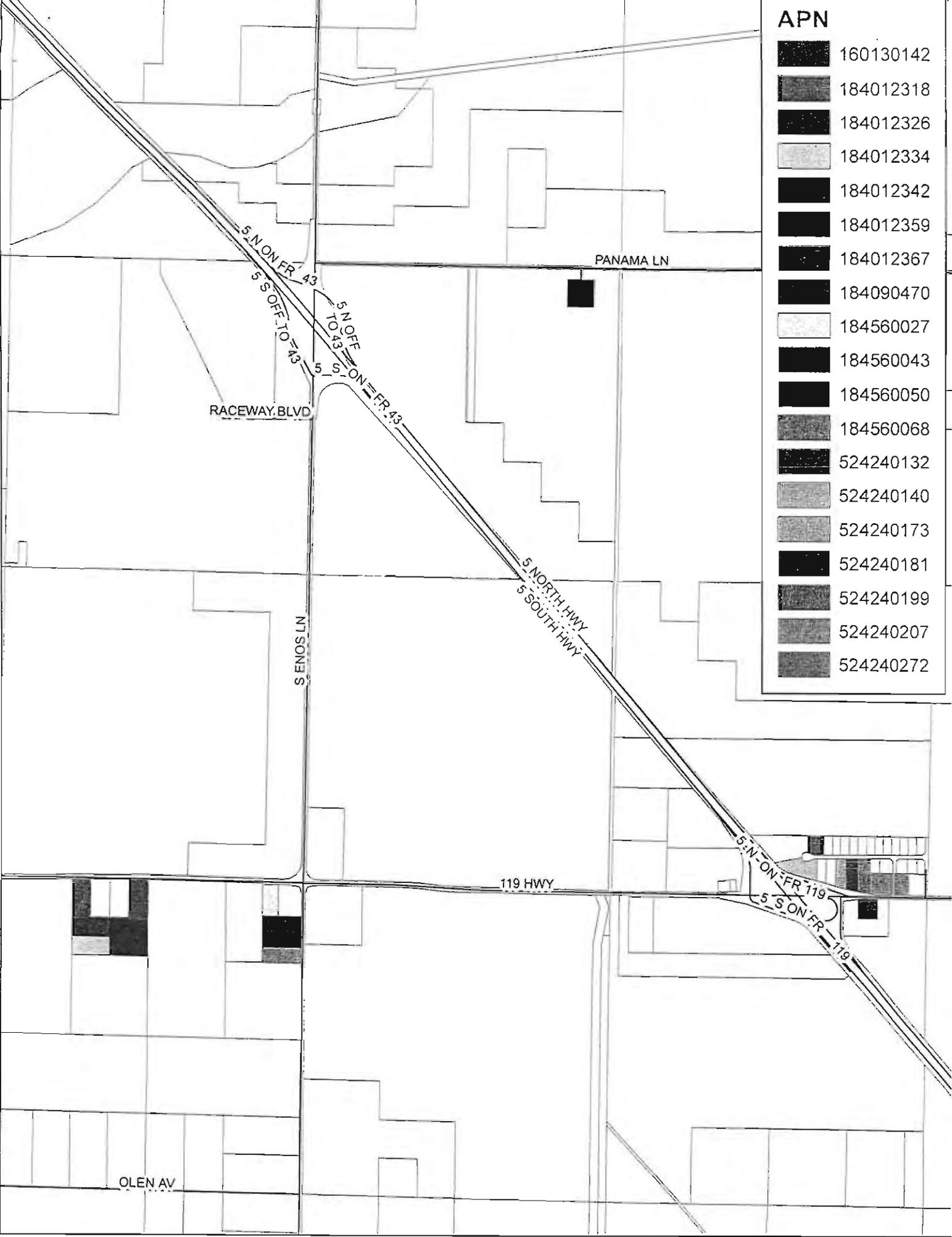
Thank you for the opportunity to submit this quotation. If you have any questions please give us a call.

Sincerely,
 Keith Hodak
 17451 Bastanchury Road Suite 201 44B

APN9	APN LABEL	ROLL_TYPE	USE_CODE	TRA_NO	OWNER	ACRES	CARE_OF	LAND_VAL	STNUM_BILL	STNAM_BILL	STSUF_BILL	CITY_BILL	STATE_BILL	ZIPCD_BILL	STNAM_SITE	STSUF_SITE	CITY_SITE
160130142	160-130-14	1	4300	061005	SAN JOAQUIN FACILITIES MGMT INC	5.12000	SAN JOAQUIN FACILITIES MGMT	\$45,648.00	4520	CALIFORNIA	AV	BAKERSFIELD	CA	933091190			
184013318	184-012-31	1	3000	135018	SAN JON LAND & CATTLE CO	5.18000		\$178,500.00		P O BOX 80593		BAKERSFIELD	CA	93380	BV LAKE	CT	KERN COUNTY
184012326	184-012-32	1	4000	135018	KERR KENNETH E & LAURA J	4.57000		\$5,271.00	23261	HIGHWAY 119		BAKERSFIELD	CA	93311	BV LAKE	CT	KERN COUNTY
184012334	184-012-33	1	4000	135018	KERR KENNETH E & LAURA J	4.71000		\$5,432.00	23261	HIGHWAY 119		BAKERSFIELD	CA	93311	BV LAKE	CT	KERN COUNTY
184012342	184-012-34	1	4000	135018	KERR KENNETH E & LAURA J	4.71000		\$5,432.00	23261	HIGHWAY 119		BAKERSFIELD	CA	93311	BV LAKE	CT	KERN COUNTY
184012359	184-012-35	1	4000	135018	KERR KENNETH E & LAURA J	4.57000		\$5,271.00	23261	HIGHWAY 119		BAKERSFIELD	CA	93311	BV LAKE	CT	KERN COUNTY
184012367	184-012-36	1	4000	135018	KERR KENNETH E & LAURA J	5.19000		\$5,982.00	23261	HIGHWAY 119		BAKERSFIELD	CA	93311	BV LAKE	CT	KERN COUNTY
184090470	184-090-47	1	1020	135006	S & H TAFT PROP LLC	2.50000	CHAO HENG K	\$545,000.00	20917	SOUTH	ST	TEHACHAPI	CA	93561			
184560027	184-560-02	1	0070	135018	JHAJ RUPINDER S & GURMIT K	3.34000		\$22,540.00	22643	RONNIE	CT	BAKERSFIELD	CA	933149731	TAFT	HW	BAKERSFIELD
184560043	184-560-04	1	0070	135018	JHAJ RUPINDER S	3.84000		\$25,922.00	22643	RONNIE	CT	BAKERSFIELD	CA	933149731	ENOS	LW	BAKERSFIELD
184560050	184-560-05	1	0070	135018	JHAJ RUPINDER S & GURMIT K	3.84000		\$25,922.00	22643	RONNIE	CT	BAKERSFIELD	CA	933149731	TAFT	HW	BAKERSFIELD
184560068	184-560-06	1	0070	135018	JHAJ RUPINDER S & GURMIT K	3.94000		\$26,594.00	22643	RONNIE	CT	BAKERSFIELD	CA	933149731	TAFT	HW	BAKERSFIELD
524240132	524-240-13	1	1020	061031	ERRO FAMILY TR	1.89000	ERRO EDWARD R & ROSEMARIE TRS	\$1,979.00	15811	ARABELLA	AV	BAKERSFIELD	CA	933147809			
524240140	524-240-14	1	1020	061031	ERRO FAMILY TR	3.80000	ERRO EDWARD R & ROSEMARIE TRS	\$3,982.00	15811	ARABELLA	AV	BAKERSFIELD	CA	933147809			
524240173	524-240-17	1	1020	061031	ERRO FAMILY TR	2.02000	ERRO EDWARD R & ROSEMARIE TRS	\$2,116.00	15811	ARABELLA	AV	BAKERSFIELD	CA	933147809			
524240181	524-240-18	1	1020	061031	ERRO FAMILY TR	2.40000	ERRO EDWARD R & ROSEMARIE TRS	\$2,515.00	15811	ARABELLA	AV	BAKERSFIELD	CA	933147809			
524240199	524-240-19	1	1020	061031	ERRO FAMILY TR	2.70000	ERRO EDWARD R & ROSEMARIE TRS	\$2,829.00	15811	ARABELLA	AV	BAKERSFIELD	CA	933147809			
524240207	524-240-20	1	1020	061031	ERRO FAMILY TR	3.13000	ERRO EDWARD R & ROSEMARIE TRS	\$3,281.00	15811	ARABELLA	AV	BAKERSFIELD	CA	933147809			
524240272	524-240-27	1	1010	061031	S & H TAFT PROP LLC	2.05000	CHAO HENG K	\$565,974.00	20917	SOUTH	ST	TEHACHAPI	CA	93561	119	HW	BAKERSFIELD

Average 77.905

APN	
	160130142
	184012318
	184012326
	184012334
	184012342
	184012359
	184012367
	184090470
	184560027
	184560043
	184560050
	184560068
	524240132
	524240140
	524240173
	524240181
	524240199
	524240207
	524240272



Hunt Research Corporation

7-19-13 Founded 1979

JAMES W. HUNT, President

Benny Wofford, Battalion Chief

Fire Marshal

Kern County Fire Department

Quote: Fire Protection Consulting; Hydrogen plant

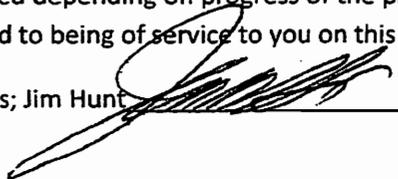
Dear Chief Wofford:

Per your request, here is my quote to provide Fire Protection Consulting and Plan Review Services to the Kern County Fire Department regarding the proposed Hydrogen Plant.

I have fifty years' experience in Fire Protection. Sixteen of these were as a Firefighter, Engineer, Captain and Battalion Chief. My last Fire Agency was Santa Barbara County Fire Department. My last assignment was that of being the officer responsible to review all new proposed development, establish Fire Department requirements, and review plans. I have Thirty four years' experience as a Fire Protection Consultant. My experience includes Fire Protection planning and Fire Code consulting for Hydrogen facilities, refineries, gas plants, pipelines. Oil tank farms, oil processing plants and petrochemical facilities. I also have extensive experience in Fire Protection Planning in the Wildland Urban Interface. My resumes are on my website at www.huntresearch.com. Click Resume button and then the general resume button.

I am presently the Fire Protection Consultant to the San Diego Rural Fire Protection District in San Diego County and have been for 12 years. The Fire Chief is Dave Nissen. Phone number 619-669-1188. E mail Dave.Nissen at Fire.Ca.Gov. I am also the Fire Protection Consultant to the Santa Barbara County Fire Department for an Asphalt refinery project. The contact is Chief Steve Oaks; 805-681-5525. Steve.Oaks@sbcfire.gov.

I propose to assist you in the Fire Protection planning and plan review of the Hydrogen facility. This would include a kick off meeting, site visit, plan and document reviews, Code research, telecons, e mails, reports, and various meetings as needed. The estimated hours, per your request, would be 20 hours per month over a four year period. The initial cost estimate would be \$25,000. This equates to 125 hours @ \$200.00/hour. I also charge 0.50/mile for travel. The round trip travel from my location to your offices is 274 miles. I would estimate the need for two initial meetings and then probably one every three months or more often if you request. So, the meeting and travel time would be included in the initial \$25,000. I will reduce my travel time charge to \$100. /hour. As you estimated about 20 hours per month, when the 125 hours are used up (in about 6 months' time) then additional time and funds may need to be allocated depending on progress of the project. Please let me know if you need more information. I look forward to being of service to you on this project.

Thanks; Jim Hunt 

KERN COUNTY FIRE DEPARTMENT
2013 FIRE SEASON BILLING RATES

(Effective 7-01-13)

1. Personnel Rates -

Safety Personnel:	Hourly	OT
(Billings based on Portal-to-Portal)		
Extra Help F/F	\$ 33.07	
F/F Apprentice	\$ 21.80	
Fire Fighter	\$ 35.58	
Engineer	\$ 47.83	
Captain	\$ 56.28	
Captain Helitack	\$ 79.74	
FHES	\$ 51.29	
Battalion Chief	\$ 69.58	
Supervising FHES	\$ 92.76	
Fire Aircraft Pilot	\$ 79.74	
Safety Management Personnel		
(Billings based on Portal-to-Portal-S/T Rate)		
Deputy Chief - C	\$ 75.77	
Fire Chief - C	\$ 92.34	
40 Hr. General Personnel:		
(Billings based on Hours Worked)		
Accountant III	\$ 68.85	\$ 57.96
Administrative Coordinator	\$ 56.68	\$ 47.72
Administrative Services Officer	\$ 81.88	\$ 43.68
Aircraft Mechanic	\$ 55.17	\$ 46.44
Auto Parts Storekeeper I/II	\$ 34.05	\$ 28.67
Building Svc Wkr I/II/III	\$ 30.21	\$ 25.43
Building Plans Tech	\$ 50.60	\$ 42.60
ECC Manager	\$ 82.66	\$ 44.09
Equip. Maint. Sup'l.	\$ 76.81	\$ 64.66
Fire Dispatcher I	\$ 41.77	\$ 35.16
Fire Dispatcher II	\$ 52.66	\$ 44.33
Fire Equip. Mechanic	\$ 53.43	\$ 43.84
Fire Equip. Service Worker	\$ 34.75	\$ 29.25
Fire Equipment Tech.	\$ 32.99	\$ 27.77
Fiscal Support Specialist	\$ 44.73	\$ 37.65
Fiscal Support Supervisor	\$ 53.12	\$ 44.72
Fiscal Support Technician	\$ 37.32	\$ 31.42
GIS Specialist	\$ 56.56	\$ 47.61
GIS Tech I/II	\$ 45.47	\$ 38.28
Groundskeeper III	\$ 35.75	\$ 30.09
Info. Sys. Specialist II	\$ 62.47	\$ 51.26
Lt Vehicle Driver	\$ 25.76	\$ 21.69
Maintenance Worker III	\$ 31.12	\$ 26.19
Media Services Coord.	\$ 56.83	\$ 47.84
Office Services Assistant	\$ 29.57	\$ 24.90
Office Services Coordinator	\$ 47.26	\$ 39.78
Office Services Specialist	\$ 39.38	\$ 33.15
Office Services Technician	\$ 33.66	\$ 28.34
Special Projects Manager	\$ 84.37	\$ 45.00
Sr. Office Services Specialist	\$ 41.92	\$ 35.29
Sr. Info. Sys. Specialist	\$ 75.54	\$ 61.98
Storekeeper I	\$ 28.11	\$ 23.67
Structural Maint Superintendent	\$ 49.31	\$ 41.51
Supv. Aircraft Mechanic	\$ 74.41	\$ 62.64
Supv. Fire Dispatcher	\$ 65.53	\$ 55.17
Supv. Heavy Equip. Mechanic	\$ 68.99	\$ 56.60
Sys. Analyst I/II	\$ 79.02	\$ 64.83
Technology Services Manager	\$ 97.99	\$ 52.27
Video Services Tech. I	\$ 27.89	\$ 23.48

2. Equipment Rates - billed HOURLY, or DAILY PLUS MILEAGE.

APPARATUS (CFAA Rates)	Hourly	Daily (FOR)	Per Mile
Engine - Type 1	\$ 90.00		
Engine - Type 2	\$ 90.00		
Engine - Type 3	\$ 70.00		
Engine - Type 6	\$ 70.00		
VEHICLES			
Sedan		\$ 47.00	
SUV		\$ 96.00	
Pickup 1/2 ton 4X4, Ext. Cab		\$ 86.00	
Pickup 3/4 ton 2X4		\$ 96.00	
Pickup, 1 Ton 4x4		\$ 96.00	
Crew Superintendent Vehicle		\$ 86.00	
Pickup, 6 Passenger (FEPP)		\$ -	\$ 0.81
Van, 6 Passenger		\$ 109.00	
Van, 12 Passenger		\$ 109.00	
Box Van		\$ 16.04	\$ 0.81
MCI (FEPP) Bus		\$ -	\$ 0.81
GIS Unit		\$ -	\$ 0.81
PIO Unit (FEPP)		\$ -	\$ 0.81
MCV (RV-FEPP)		\$ -	\$ 0.81
Refer (FEPP)		\$ -	\$ 0.81
Crew Carrying Vehicle		\$ 46.97	\$ 1.35
Small CCV		\$ 43.05	\$ 0.73
Helitack Truck		\$ 26.48	\$ 1.35
Helitack Truck (FEPP)		\$ -	\$ 1.35
Stakeside Truck		\$ 14.27	\$ 0.81
Private Owned Vehicle (POV)			
HEAVY EQUIPMENT			
Tractor, 2 axle		\$ 9.59	\$ 1.35
Tractor, 3 axle		\$ 18.22	\$ 1.35
Transport, 3S2 Combo		\$ 24.66	\$ 1.35
Dozer Tender		\$ 23.48	\$ 0.81
Fuel Tender, 3500 gal., Jet A		\$ -	\$ 3.72
Fuel Tender, Diesel & Gas		\$ 54.21	\$ 1.35
Fuel Tender, 100 gal. Diesel (FEPP)		\$ -	\$ 1.35
Water Tender	\$ 31.00	\$ -	\$ -
Mechanic Service Truck		\$ 21.92	\$ 1.35
Dump Truck (FEPP)		\$ -	\$ 1.35
Hazmat Van	\$ 83.57	\$ -	\$ 1.35
Dozer, D5G	\$ 80.00		
Dozer D6D	\$ 80.00		
Dozer D7G (FEPP)	\$ 40.00		
Motor Grader, 130G (FEPP)	\$ 40.00		
Backhoe	\$ 23.50		
Generator Trailer	\$ 40.50		
Forklift, Large	\$ 17.00		
Forklift, Medium	\$ 11.75		
Terra Torch (FEPP)	\$ 24.00		
Terra/Heli-Torch Mixing Unit (FEPP)	\$ 24.00		
Brush Mulcher	\$ 57.02		

Current Govt Rate

HECA Mitigation- Annual training.

Training costs for 8 hours annual training for three shifts of the first alarm stations, the hazardous materials team, heavy rescue, and the battalion chiefs.

Engine 21- (1) Capt, (1) Eng, (1) FF
 Truck 21- (1) Capt, (1) Eng, (1) FF
 Engine 25- (1) Capt, (1) Eng, (1) FF
 Engine 53-(1) Capt, (3) Eng, (1) FF
 Rescue 52- (1) Capt, (1) Eng, (1) FF
 Haz Mat 66- (1) Capt, (2) Eng, (1) FF
 Battalion 2
 Battalion 4

#	Position	Hourly Rate	Hourly Total	8 Hours
16	Captain	56.28	900.48	7203.84
21	Engineer	47.83	1004.43	8035.44
16	Firefighter	35.58	558.28	4466.24
6	Battalion Chief	69.58	417.48	3339.84
TOTAL				23,045.36

updated 2011-2012

Fire Engineer-C

F Step		OT
Base	3138.6600	28.0238
Holiday	154.6790	
fitness	125.5464	

Flsa	87.18	
Uniform	34.4973	
	3540.5615	28.0238

OASDI	270.8530	2.1438
Retirement	2476.2687	
Unemploy.	6.2208	
Wkrs Comp	284.4877	
Medical	450.0000	
Retiree Med.	25.0000	

Benefits	3512.8301	2.1438
Total Benefits	3789.1851	

Benefits & Salary	7053.3915	30.1676 @1.5	45.25135031
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Hourly with Benefits	62.9767		
Hourly without Benefits	31.6122	28.0238	
Benefits Per Hour	31.3646	2.1438	

% benefit 99.21675121

ANNUAL WITH BENEFITS \$184,015.93 **\$184,015.93**

Annual without Benefits \$92,369.71

updated 2011-2012

Fire Engineer-CA

F Step		OT	
Base	3299.1700	41.2396	
AV Pay	82.4793		
Fitness	131.9668		

Flsa	0.00		
Uniform	34.4973		
	3548.1133	41.2396	

OASDI	271.4307	3.1548	
Retirement	2481.5505		
Unemploy.	6.2340		
Wkrs Comp	285.0945		
Medical	450.0000		
Retiree Med.	25.0000		

Benefits	3519.3096	3.1548	
Total Benefits	3636.2862		

Benefits & Salary	7067.4230	44.3945	
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Hourly with Benefits	88.3428	44.3945 @1.5	66.59168447
Hourly without Benefits	41.2396	41.2396	
Benefits Per Hour	47.1032	3.1548	

99.18819644

ANNUAL WITH BENEFITS	\$184,382.00	\$184,382.00
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