



Aspen Fire Protection District Board of Directors Special Meeting

MEETING DATE: December 7, 2021
MEETING TIME: 11:00am

LOCATION: 420 E Hopkins

The public is welcome to join this meeting virtually through Zoom. To join, please go to:

<https://us02web.zoom.us/j/81866250163?pwd=eVEvSkRrdDZNYW9BZ0dwY0dUSkphdz09> Meeting ID: 818 6625 0163 Passcode: 365443. Please contact Nikki Lapin, District Administrator at nikki.lapin@aspensfire.com if you need additional information.

AGENDA

- I. Meeting called to order
- II. Roll Call
- III. Pano AI Overview
- IV. North 40 Roofing RFP Review
- V. Staffing Review
- VI. 2022 Draft Budget Review

Ascent Building Consulting, Inc.

872 Eveningsong Drive
Castle Rock, Colorado 80104
Tel: 303-877-1119

November 29, 2021

Aspen Fire Department
c/o Mr. Rick Balentine
Fire Chief
420 East Hopkins Avenue
Aspen, Colorado 81611

Re: Summary of Bid Results for Aspen Fire Station #62 Re-Roofing Project
Fire Station 62 Reroof
043 Sage Way Road, Aspen, Colorado
Ascent No.: 21027

Dear Mr. Balentine:

We have received three bids from bidding contractors for the Bid Documents prepared on October 25, 2021 for the Re-Roofing Project at Fire Station #62. The bids are attached for your review. The following is a brief summary of the bidding results:

Bid Summary – Base Bid

Bid Item	Ajax Roofing	The Roofing Company	Pacific Sheet Metal
Base Bid Reroofing	\$315,750	\$336,357	\$393,905*
Subcontractors	Lightening Protection – TBD	None Listed	None Listed
Exceptions	Bid Carlisle in Lieu of Firestone	Bid Carlisle in Lieu of Firestone	Bid Carlisle in Lieu of Firestone
Reported Timeline to Complete Base Bid from Notice to Proceed	45-60 Days in Spring of 2022	40 Days	None Listed

* Excludes portion of PSM's bid for roof replacement over Communications which is not a part of the scope of reroofing work.

Bid Analysis

Ajax Roofing appears to have provided the most competitive bid, and The Roofing Company the second most competitive bid. Pacific Sheet Metal's bid is the highest, did not utilize the provided bid form, and also included a bid to replace the roof over the Communications portion of the building which was not a part of the scope of work. As such, we do not recommend that Pacific Sheet Metal be considered for this project due to a lack of following the Bid Documents.

We have worked with Ajax Roofing in the past on the ANB Bank reroofing project in downtown Aspen which was very difficult due to site access issues and extensive rooftop mechanical equipment. Their quality on this project was very good. As a result of their being the lowest bid as well as having a history of good work quality, we recommend awarding the reroofing project to Ajax Roofing.

We will be recommending that the Board also account for a contingency of approximately 10% to address substrate repairs or other foreseen conditions if needed. This amount would be additional to the Base Bids noted above.



It is the Board's ultimate decision on whom to select as the roofing contractor. The Board can feel free to choose amongst the contractors above to interview and ultimately award the project.

Please contact us if you have any questions.

Sincerely,
Ascent Building Consulting, Inc.

A handwritten signature in blue ink, appearing to read 'S R B' with a long horizontal line extending to the right.

Steve R. Bunn, RRC, RRO
President



November 24, 2021

Ken Josselyn – Captain
Aspen Fire Protection District

Steve Bunn – President
Ascent Building Consulting Inc.

To Whom it May Concern,

Thank you for allowing Ajax Roofing Company to bid your project. We have attached your Bid Form, a letter from Carlisle approving the 25 year warranty and a copy of our project specific inclusions.

We have completed dozens of similar flat roof commercial projects in Aspen and the Roaring Fork Valley without single roof leak including the Aspen Police Station, the Aspen Music School (8 buildings), Berthod Motors (4 buildings), Aspen Meadows, One Aspen (5 buildings), Hunter Creek Condos (7 buildings), ANB Bank in Aspen, Bank of Colorado in Glenwood, and Alpine Bank in Rifle. We have also completed hundreds of residential projects with the same materials.

Our goal would be to start in Spring of 2022. With good weather, we are looking at a 6-8 week schedule.

Ajax Roofing provides superior service with highly trained roofers, many of our employees have been working together in Aspen for over 20 years. All of our roofers are employees and we never use contract labor. We have a management staff of five meaning your questions and phone calls will be responded to immediately. As most of our work is referral, we strive to make every client extra happy. We are happy to provide a list of references to check us out.

Please give us a call if you have any questions.

Thank you,

Brady Emens
Ajax Roofing Company

SECTION 00310

BID FORM

To: Aspen Fire Protection District

Project: Aspen Fire Station #62- Re-roofing Project

Date: November 24th, 2021

Bid Submitted By: Ajax Roofing Company LLC

Gentlemen:

1.01 The undersigned, hereby offers to enter into a Contract with the Owner to perform the Work, based on the following:

BASE BID: In general, the scope of Base Bid Work includes reroofing of the north and west roofs as shown on the Drawings, but is not necessarily limited to, the following:

- Remove and legally dispose the existing single ply membrane, associated membrane flashings, roof cover board, tapered insulation, and flat stock insulation down to the steel roof deck.
- Loose lay two layers of 2.8" flat stock polyisocyanurate insulation to resist wind uplift forces.
- Fully adhere 1/4":12" tapered insulation system over the entire roof surface with two component adhesive with beads spaced 6" o.c.
- Total minimum R-Value of insulation assembly to be R-35.
- Fully adhere 1/2" DensDeck Prime roof cover board over the entire roof surface with two component adhesive with beads spaced 6" o.c.
- Install two layers of 2x8 PT lumber around the perimeters of Roof Areas A and B noted in the drawings.
- Fully adhere 60 mil Firestone reinforced TPO roofing membrane to the cover board.
- Remove and replace all coping caps with a gravel stop detail with TPO clad metal flashing with a pre-finished metal cover matching the color and finish of underlying metal panels.
- Remove and reset existing metal panel siding as required to install new flashings. Trim bottom of panels as needed to ensure bottom 'J' closure attachment is 8" above roof surface. Seal fastener penetrations for bottom 'J' closure.
- Remove, reinstall, and recertify lightening protection system.
- Coordinate roof flashing installation around solar panel supports (final location of support TBD).
- Obtain and pay for all applicable permits associated with the roofing replacement.

for the Contract Sum of:

Three Hundred Fifteen Thousand Seven Hundred Fifty Dollars

Dollars (\$ 315,750.00)

Contractor proposes to substantially complete the Work within 45-60 calendar days from notice to proceed, with appropriate increase in days to account for weather delays. **Spring 2022 or as scheduled with client**

1.03 The undersigned has checked carefully all the above figures and understands that the Owner will not be responsible for any errors and omissions on the part of the undersigned in making up this bid.

1.04 The undersigned hereby acknowledges the receipt of addenda numbered:

<u>Number</u>	<u>Date</u>
n/a	
_____	_____
_____	_____
_____	_____
_____	_____

1.05 The undersigned agrees not to withdraw his bid for a period of sixty (60) calendar days following the date set for receipt of bids.

1.06 The undersigned agrees to substantially complete the Base Bid Work or Alternate Bid Work based upon the respective dates noted above. Downtime due to weather will be in addition to these days, and will be defined as days or half-days in which work could not reasonably be efficiently performed, in the opinion of the Contractor and Ascent, due to weather-related conditions.

1.07 By signing this Bid Form, the undersigned acknowledges that, in the process of preparing this bid, he has examined: the place of the Work, and all matters referred to in the Instructions to Bidders; he has read and understands the requirements of the Contract Documents.

The undersigned acknowledges his obligation to identify below any errors, omissions, conflicts, code violations or improper use of materials that he has discovered in his examination of the Contract Documents that could interfere with the timely completion, or increase the cost, or reduce the performance, of the Work for which the undersigned will be responsible.

Except as noted below, the undersigned has no objection to, or reservation about, the materials to be furnished or the conditions under which they will be installed, or the sufficiency of the Contract Documents; he is satisfied that he can complete his contractual responsibilities in a good workmanlike manner without extensive modifications or additional expense.

EXCEPTIONS (if any): Request Substitution for Carlisle 60 mil TPO Roof, Warranty and Products

1.08 The undersigned understands that the Owner reserves the right to reject any and all bids or to waive any irregularity in any bid received.

1.09 The undersigned hereby certifies that his bid is genuine and not sham or collusive, or made in the interest or in behalf of any person herein named; and that the undersigned has not directly or indirectly induced or solicited any other bidder or any other person, firm or corporation to refrain from bidding; and that the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other bidder.

1.10 In accord with the requirements of the Instructions to Bidders, the undersigned has included a list of subcontractors which he proposes to use on this project, which list is attached hereto.

1.11 Bid Form Signature(s):

Name of Bidder: Ajax Roofing Company LLC
(Print or type full legal name of proprietorship, partnership, corporation, etc.)

Address of Bidder: 2107 Horseshoe Trail
Silt, CO 81652

Telephone No. 970-987-3932 Fax No. _____

Applicable Contractor License No. (if required): _____

Classification: Licensed in Aspen & Pitkin County

Signature of Authorized Officer: Brady Emens

Print or Type Name of Authorized Officer: Brady Emens

Title: Manging Member

Nature of firm (corporation, partnership, etc.) LLC

If Corporation, organized under the Laws of the State of _____

SEAL
(If Corporation)

If the bidder is a joint venture or partnership, each member of the joint venture or partnership must sign on the lines below.

Signature: _____

Printed Name: _____ Title: _____

Signature: _____

Printed Name: _____ Title: _____

Signature: _____

Printed Name: _____ Title: _____

Signature: _____

Printed Name: _____ Title: _____

LIST OF SUBCONTRACTORS

Herewith is the list of Subcontractors referenced in the Bid submitted by:

(Bidder) **Ajax Roofing Company**

dated **November 24, 2021** and which is an integral part of the Bid Form.

The following work will be performed (or provided) by Subcontractors and coordinated by us:

SECTION OR NATURE OF WORK	SUBCONTRACTOR NAME
All of our labor is performed by employees	
Lightening Protection - TBD	

END OF SECTION



**Aspen Fire Station #62
0043 Sage Way Rd
Aspen, CO**

November 24, 2021

Proposal of work is based on a site visit and bid package dated October 25th, 2021

Flat Membrane Roof Replacement

- To include approx. **7,176 Sq. Ft.** of roofing.
- Tear off existing 6" Insulation, Taper System, Cover Board and Membrane over entire specified roofs, curbs and interior roof walls and haul waste off site.
- Install (2) Layers of 2" x 8" PT Wood Framing at Areas Shown on Plans
- Furnish and install (1) Layer of 2.8" Poly Iso (loose laid) and (1) Layer of 2.8" Poly Iso Mechanically Attached to Steel Deck
- Furnish and install ¼" per ft. Poly Iso taper system toward drains with adhesive at 6" OC.
- Furnish and install 1/2" Densdeck Primed, 4' x 4' sheets, with adhesive at 6" OC.
- Furnish and install 60mil TPO fully adhered, mechanically fastened with heat welded seams including up walls and over all curbs and parapets.
- Fabricate and Install new 24 gauge prefinished metal gravel stop over TPO Metal
- Remove Metal Panels on Upper Roof Walls & Cut Short to Accommodate New Roofing and Re-Install
- Furnish and Install all new pipe penetration flashings and re-flash existing Solar Supports
- Includes Carlisle 25 year Roof Warranty
- Includes Roof Permit, Temp Toilet, \$2,000 allowance to certify lightning protection

Total Bid \$315,750

Price Excludes

- Drain Replacement
- Repair of Newer Roofs. We are happy to help diagnose and repair the leaking on the two new roofs on an hourly basis.
- Snow Removal – project is anticipated for Spring or Summer of 2022 so no snow removal should be necessary.



Unless specifically noted above, there are no additional terms presumed to be included in this proposal. Payment to be made as follows: 30% materials deposit, 30% upon half of roof completion, 35% upon final completion and 5% Retainage for warranty paperwork completion & re-certification of the lightening protection system.

All material is guaranteed to be as specified. All work to be completed in a quality like manner according to industry standard practices. Any alterations or deviations from scope of work listed above will be executed upon receipt of a signed change order and will become an extra charge over and above this contract. **Bid is good for 60 days.**

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. Payment will be made as outlined above.

Signature and Date

Ajax Roofing Signature and Date



November 17, 2021

Attn: Brady Emens
Ajax Roofing Company
402 Park Avenue Unit C&D
Basalt, CO 81621

Re: Aspen Fire Station 62 - Aspen, CO

To Whom It May Concern:

This letter shall acknowledge that the proposed roofing assembly is eligible for warranty consideration by Carlisle SynTec.

The assembly below qualifies for the UL Class "A" fire rating, subject to a maximum slope restriction of 3" per foot.

Roof Height:	Less than 50'
Membrane:	Carlisle's Sure-Weld 60-mil TPO membrane adhered using Cav-Grip III or Sure-Weld TPO Bonding Adhesive.
Cover Board:	½" DensDeck Prime cover board adhered using Flexible FAST or Millennium One Step beads spaced 6-inches on center throughout the entire roof area.
Insulation:	Tapered InsulBase Polyiso insulation adhered using Flexible FAST or Millennium One Step beads spaced 6-inches on center throughout the entire roof area.
Insulation:	Two layers of 2.8" InsulBase Polyiso insulation. The top layer is mechanically attached to the deck using Carlisle fasteners & insulation plates at a rate of 8 per 4'x8' board in the field, 16 per 4'x8' board in the perimeter and 32 per 4'x8' board in the corners.
Deck:	Minimum 22-gauge or heavier steel deck.

The roofing assembly described herein, represents Carlisle's minimum warranty requirements. It is not intended to modify, negate or alter any requirements dictated by the specifier or mandated by the building code or the building owner's insurer. Carlisle's review and inspection is strictly for the purpose of issuing the Carlisle warranty.

System enhancements pertaining, but not limited to, membrane thickness, insulation type and thickness, flashing height, slope requirements and membrane terminations (beyond those required by Carlisle) are to be complied with when specified unless approved by the Architect / Consultant. These conditions are considered above and beyond the scope of Carlisle review and take precedence.

Upon completion of an inspection by a Carlisle Field Service Representative to confirm that the roof system has been installed in accordance to Carlisle Specifications, Carlisle will issue a 25-year warranty with 55-mph peak gust wind speed coverage. Unless purchased or supplied through Carlisle, please note that performance, integrity, and impact of products by others is not included under coverage of the Carlisle Total System Warranty.

If you have any questions or need any additional information, feel free to contact our office.

Sincerely,

Brandon M. Maag
Senior Design Analyst
Carlisle SynTec Systems

Cc; B. Dawson - CSL West

SECTION 00310

BID FORM

To: Aspen Fire Protection District

Project: Aspen Fire Station #62– Re-roofing Project

Date: 11-24-21

Bid Submitted By: Grand County Roofing & Sheet Metal dba The Roofing Co.

Gentlemen:

1.01 The undersigned, hereby offers to enter into a Contract with the Owner to perform the Work, based on the following:

BASE BID: In general, the scope of Base Bid Work includes reroofing of the north and west roofs as shown on the Drawings, but is not necessarily limited to, the following:

- Remove and legally dispose the existing single ply membrane, associated membrane flashings, roof cover board, tapered insulation, and flat stock insulation down to the steel roof deck.
- Loose lay two layers of 2.8" flat stock polyisocyanurate insulation to resist wind uplift forces.
- Fully adhere 1/4":12" tapered insulation system over the entire roof surface with two component adhesive with beads spaced 6" o.c.
- Total minimum R-Value of insulation assembly to be R-35.
- Fully adhere 1/2" DensDeck Prime roof cover board over the entire roof surface with two component adhesive with beads spaced 6" o.c.
- Install two layers of 2x8 PT lumber around the perimeters of Roof Areas A and B noted in the drawings.
- Fully adhere 60 mil Firestone reinforced TPO roofing membrane to the cover board.
- Remove and replace all coping caps with a gravel stop detail with TPO clad metal flashing with a pre-finished metal cover matching the color and finish of underlying metal panels.
- Remove and reset existing metal panel siding as required to install new flashings. Trim bottom of panels as needed to ensure bottom 'J' closure attachment is 8" above roof surface. Seal fastener penetrations for bottom 'J' closure.
- Remove, reinstall, and recertify lightening protection system.
- Coordinate roof flashing installation around solar panel supports (final location of support TBD).
- Obtain and pay for all applicable permits associated with the roofing replacement.

for the Contract Sum of:

three hundred thirty six thousand three hundred fifty seven

Dollars (\$ 336,357.00)

Contractor proposes to substantially complete the Work within 40 calendar days from notice to proceed, with appropriate increase in days to account for weather delays.

1.03 The undersigned has checked carefully all the above figures and understands that the Owner will not be responsible for any errors and omissions on the part of the undersigned in making up this bid.

1.04 The undersigned hereby acknowledges the receipt of addenda numbered:

<u>Number</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

1.05 The undersigned agrees not to withdraw his bid for a period of sixty (60) calendar days following the date set for receipt of bids.

1.06 The undersigned agrees to substantially complete the Base Bid Work or Alternate Bid Work based upon the respective dates noted above. Downtime due to weather will be in addition to these days, and will be defined as days or half-days in which work could not reasonably be efficiently performed, in the opinion of the Contractor and Ascent, due to weather-related conditions.

1.07 By signing this Bid Form, the undersigned acknowledges that, in the process of preparing this bid, he has examined: the place of the Work, and all matters referred to in the Instructions to Bidders; he has read and understands the requirements of the Contract Documents.

The undersigned acknowledges his obligation to identify below any errors, omissions, conflicts, code violations or improper use of materials that he has discovered in his examination of the Contract Documents that could interfere with the timely completion, or increase the cost, or reduce the performance, of the Work for which the undersigned will be responsible.

Except as noted below, the undersigned has no objection to, or reservation about, the materials to be furnished or the conditions under which they will be installed, or the sufficiency of the Contract Documents; he is satisfied that he can complete his contractual responsibilities in a good workmanlike manner without extensive modifications or additional expense.

EXCEPTIONS (if any): Carlisle membrane and components in lieu of Firestone

Taxes and permit fees have been figured and should be negotiated out by owner?

1.08 The undersigned understands that the Owner reserves the right to reject any and all bids or to waive any irregularity in any bid received.

1.09 The undersigned hereby certifies that his bid is genuine and not sham or collusive, or made in the interest or in behalf of any person herein named; and that the undersigned has not directly or indirectly induced or solicited any other bidder or any other person, firm or corporation to refrain from bidding; and that the undersigned has not in any manner sought by collusion to secure for himself an advantage over any other bidder.

1.10 In accord with the requirements of the Instructions to Bidders, the undersigned has included a list of subcontractors which he proposes to use on this project, which list is attached hereto.

1.11 Bid Form Signature(s):

Name of Bidder: Grand County Roofing and Sheet Metal, Inc.
(Print or type full legal name of proprietorship, partnership, corporation, etc.)

Address of Bidder: 28 Ten Mile Drive
Granby, CO 80446

Telephone No. 970-887-0104 Fax No. 970-887-0106

Applicable Contractor License No. (if required): _____

Classification: _____

Signature of Authorized Officer: Brad Perry

Print or Type Name of Authorized Officer: Brad Perry

Title: Senior Estimator

Nature of firm (corporation, partnership, etc.) corporation

If Corporation, organized under the Laws of the State of Colorado

SEAL
(If Corporation)

If the bidder is a joint venture or partnership, each member of the joint venture or partnership must sign on the lines below.

Signature: _____

Printed Name: _____ Title: _____

Signature: _____

Printed Name: _____ Title: _____

Signature: _____

Printed Name: _____ Title: _____

Signature: _____

Printed Name: _____ Title: _____



Pacific Sheet Metal Inc.
 Post Office Box 70
 Carbondale, CO 81623
 970.963.6563 Phone
 970.963.6564 Fax
www.teampsm.com

**Manufacturing
 Warehouse, Yard**
 80 Gemat Circle
 Rifle, CO 81650
lsimms@teampsm.com
 Roofing Manager

**Aspen Fire Protection District
 AABC Fire Station
 Aspen, CO 81611
 Attn: Rick Balentine
 970-379-1758
 970-925-5532
rick.balentine@aspenfire.com**

November 24, 2021

JOB NAME	JOB ADDRESS
Fire Station 62 Aspen	AABC Fire Station, Aspen Airport Business Center, Aspen, CO 81611

We appreciate the opportunity to submit this proposal for the above referenced project based on pricing plans prepared by Architect dated DATE and offer the following to define and clarify the scope of our proposal.

Carlisle Fully Adhered 60-mil TPO System to Include Approx. 4,000 Sq. Ft. at Phase 1 Over Communications.

- Provide labor and material to install Carlisle Air Vapor seal MD over 100% of metal deck substrate per Carlisle’s specifications and to meet 20-year system warranty.
- Provide labor and material to install the 1st layer of ½” Secure Shield HD per manufacturers recommended specifications to achieve 20-year system warranty with it being mechanically attached to steel decking.
- Provide labor and material to install new thermal insulation to meet International and Pitkin County building codes, R-49 (8.75”), insulation that will be in two layers of 4x4 4” pieces that will be laid in Carlisle Flexible fast board adhesive to achieve 8” insulation build up.
- Provide labor and material to install ¼” per foot tapered insulation boards that will also be laid in Flexible Fast board adhesive over the two layers of 4” to create a positive slope to existing roof drains.
- Provide labor and material to install 2nd layer of ½” HD cover board over thermal and tapered insulation using Carlisle Flexible Fast board adhesive.
- Provide labor and material to install Carlisle 60-mil Fully Adhered membrane over 100% of roofing assembly per manufacturers recommendations and details.
- Provide labor and material to install all roof related sheet metal flashings using Drexel 24 Ga. Kynar 500 paint coated sheet metal flashings that will be formed in Pacific Sheet Metal’s manufacturing shop.
- Provide labor to clean and properly dispose of all roof related debris into GC provided container.
- NOTE: Curbing by others.
- NOTE: Carlisle 20-year system warranty included in bid price.
- NOTE: Bid price includes labor for Pacific Sheet Metal to remove wall panels where needed.

Bid Price: \$210,693.00

Tear-off Existing Roofing Material at Phase 1 to Include Approx. 4,000 Sq. Ft.

- Provide labor and material to remove existing roofing material down metal decking.
- Provide labor to properly clean and dispose of any roofing debris into GC provided dumpster.

Bid Price: \$16,491.00

Carlisle Fully Adhered 60-mil TPO System to Include Approx. 4,000 Sq. Ft. at Phase 2 Over Truck Bay #’s 4, 5, 6.

- Provide labor and material to install Carlisle Air Vapor seal MD over 100% of metal deck substrate per Carlisle’s specifications and to meet 20-year system warranty.



Pacific Sheet Metal Inc.
Post Office Box 70
Carbondale, CO 81623
970.963.6563 Phone
970.963.6564 Fax
www.teampsm.com

**Manufacturing
Warehouse, Yard**
80 Gemat Circle
Rifle, CO 81650
lsimms@teampsm.com
Roofing Manager

- Provide labor and material to install the 1st layer of ½” Secure Shield HD per manufacturers recommended specifications to achieve 20-year system warranty with it being mechanically attached to steel decking.
- Provide labor and material to install new thermal insulation to meet International and Pitkin County building codes, R-49 (8.75”), insulation that will be in two layers of 4x4 4” pieces that will be laid in Carlisle Flexible Fast board adhesive to achieve 8” insulation build up.
- Provide labor and material to install ¼” per foot tapered insulation boards that will also be laid in Flexible Fast board adhesive over the two layers of 4” to create a positive slope to existing roof drains.
- Provide labor and material to install 2nd layer of ½” HD cover board over thermal and tapered insulation using Carlisle Flexible Fast board adhesive.
- Provide labor and material to install Carlisle 60-mil Fully Adhered membrane over 100% of roofing assembly per manufacturers recommendations and details.
- Provide labor and material to install all roof related sheet metal flashings using Drexel 24 Ga. Kynar 500 paint coated sheet metal flashings that will be formed in Pacific Sheet Metal’s manufacturing shop.
- Provide labor to clean and properly dispose of all roof related debris into GC provided container.
- **NOTE:** Curbing by others.
- **NOTE:** Carlisle 20-year system warranty included in bid price.
- **NOTE:** Bid price includes labor for Pacific Sheet Metal to remove wall panels where needed.

Bid Price: \$199,875.00

Tear-off Existing Roofing Material at Phase 2 to Include Approx. 4,000 Sq. Ft.

- Provide labor and material to remove existing roofing material down metal decking.
- Provide labor to properly clean and dispose of any roofing debris into GC provided dumpster.

Bid Price: \$14,622.00

Carlisle Fully Adhered 60-mil TPO System to Include Approx. 3,500 Sq. Ft. at Phase 3 over Truck Bay #'s 1, 2, 3.

- Provide labor and material to install Carlisle Air Vapor seal MD over 100% of metal deck substrate per Carlisle’s specifications and to meet 20-year system warranty.
- Provide labor and material to install the 1st layer of ½” Secure Shield HD per manufacturers recommended specifications to achieve 20-year system warranty with it being mechanically attached to steel decking.
- Provide labor and material to install new thermal insulation to meet International and Pitkin County building codes, R-49 (8.75”), insulation that will be in two layers of 4x4 4” pieces that will be laid in Carlisle Flexible Fast board adhesive to achieve 8” insulation build up.
- Provide labor and material to install ¼” per foot tapered insulation boards that will also be laid in Flexible Fast board adhesive over the two layers of 4” to create a positive slope to existing roof drains.
- Provide labor and material to install 2nd layer of ½” HD cover board over thermal and tapered insulation using Carlisle Flexible Fast board adhesive.
- Provide labor and material to install Carlisle 60-mil Fully Adhered membrane over 100% of roofing assembly per manufacturers recommendations and details.
- Provide labor and material to install all roof related sheet metal flashings using Drexel 24 Ga. Kynar 500 paint coated sheet metal flashings that will be formed in Pacific Sheet Metal’s manufacturing shop.
- Provide labor to clean and properly dispose of all roof related debris into GC provided container.
- **NOTE:** Curbing by others.
- **NOTE:** Carlisle 20-year system warranty included in bid price.
- **NOTE:** Bid price includes labor for Pacific Sheet Metal to remove wall panels where needed.

Bid Price: \$164,505.00



Pacific Sheet Metal Inc.
 Post Office Box 70
 Carbondale, CO 81623
 970.963.6563 Phone
 970.963.6564 Fax
www.teampsm.com

**Manufacturing
 Warehouse, Yard**
 80 Gemat Circle
 Rifle, CO 81650
lsimms@teampsm.com
 Roofing Manager

Tear-off Existing Roofing Material at Phase 3 to Include Approx. 3,500 Sq. Ft.

- Provide labor and material to remove existing roofing material down metal decking.
- Provide labor to properly clean and dispose of any roofing debris into GC provided dumpster.

Bid Price: \$14,903.00

Substrate Exclusion: Any damaged or deteriorated substrate will be replaced on a time and material basis.

SNOW REMOVAL PRICING: \$90.00/HR/MAN

Roofing Exclusions:

Snow and ice removal, demolition of any kind, horizontal and vertical waterproofing, interior flashings, window and door flashings, through wall flashings, all woodwork other than that listed above, insulation other than that listed above, eave and valley snow and ice melt systems other than listed above, gutters and downspouts other than listed above, saw cutting, ice dams and damage caused by ice dams, liquidated damages, bonds, permits and fees, and all non-related metal sheet goods.

Price Acceleration Provision:

If there is an increase in the actual cost of the labor or materials charged to the Contractor is more than 5% after making this Agreement, the price set forth in this Agreement shall be increased without the need for a written change order or amendment to the contract to reflect the price increase and additional direct cost to the Contractor. Contractor will submit written documentation of the increased charges to the Prime Contractor/Owner upon request. As an additional remedy, if the actual cost of any line item increases more than 10% after the making of this Agreement, Contractor, at its sole discretion, may terminate the contract for convenience.

Material Availability Provision:

Due to material shortages, customer may experience delays related to the inability to timely obtain material for this project. In the event of such a delay, Contractor shall notify customer, and customer agrees to provide contractor with an extension of time for any delay attributable to the temporary inability to obtain materials.

Unless specifically noted above, there are no additional terms presumed to be included in this proposal.

Progress billing to Owner/Contractor according to an agreed schedule shall be paid periodically based on percentage of work completed, within 30 days of submitting invoice. If retainage is required, it shall not exceed 10% of the total contract. Final payment shall be made no later than 30 days after completion of Pacific Sheet Metal's work.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alterations or deviation from above specifications will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Property owner to carry, fire, tornado, and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Note: Due to continual price increases this proposal will be withdrawn if it is not accepted within 10 business days. Color selections & Material selections are required upon acceptance of this proposal.

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Payment will be made as outlined above.

Authorized Signature _____

Grizzly Creek Fire
2020
(33K acres)



AFPD - Pano AI Pilot Leadership Update

Hardware, software and AI for wildfire detection & response

December 7, 2021

Agenda

1. Recap of Pilot Goals and Outcomes
2. Software
3. AI
4. Questions



Reminder: Pilot key performance indicators



Hardware and software reliability

- System uptime (hardware & software)
- Ability to rapidly diagnose and solve software, firmware and hardware issues when they arise



Accuracy and speed to detection for AI alerts

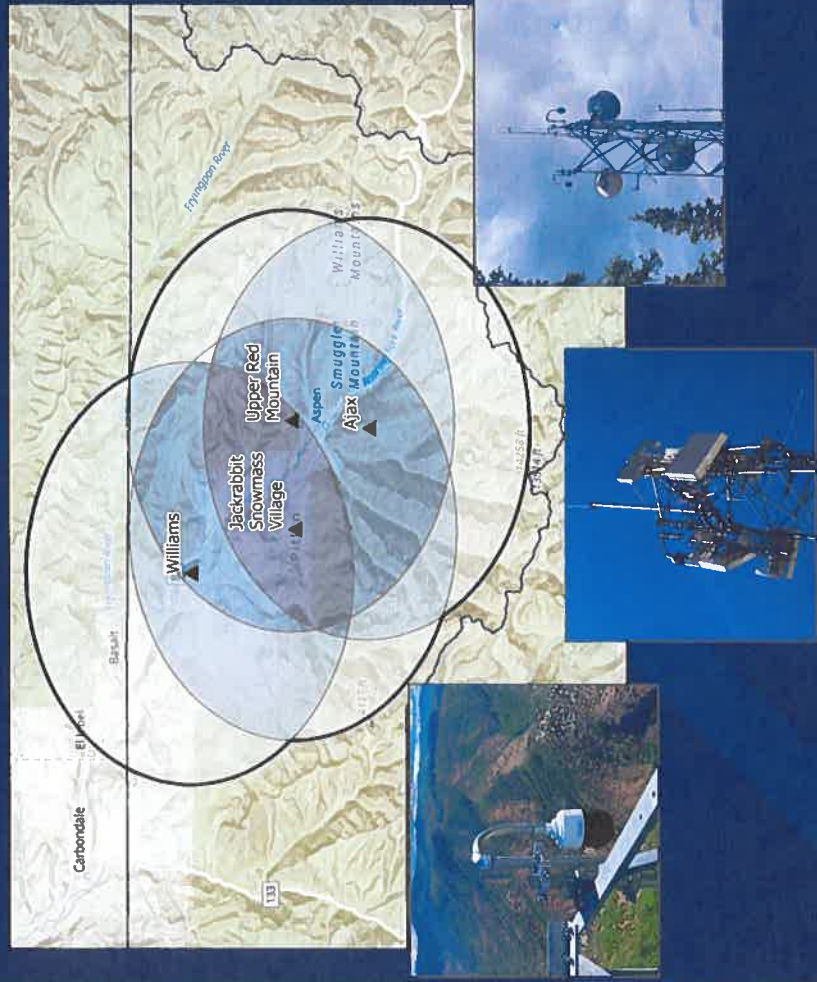
- Time to Pano Station detection vs. existing feeds (e.g., 911 calls)
- Accuracy of AI detections sent from the Pano Intelligence Center (PIC)



Partnership building and program management

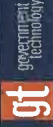
- Collaboration & communication with AFPD team
- Integration of AFPD feedback into software when possible

Four Pano Stations were deployed on time across Pitkin County/AFP



- **Williams, Jackrabbit and Ajax** were deployed week of July 5th
 - Elk Mountain Tech led on installation with on-the-ground support from Pano VP of Ops Brad Ferkol and Systems Engineer Sean Donohue
- **Upper Red** deployed week of July 12th by Elk Mountain Tech (later due to site rebuild)

Beyond Aspen, ~20 additional deployments across Northern + Southern California, Montana and Oregon



JUSTICE AND PUBLIC SAFETY

Big Sky, Big Data: Mont. Area Pilots AI for Wildfire Defense

The Big Sky Fire Department, located in the community of Pano, is piloting AI wildfire detection technology to help improve response efforts.

LOCUS | HIGHER | STAND



GRID INNOVATIONS

PG&E, Portland General Complete Pilots with AI-Based Wildfire Detection System

OCT. 29, 2021

The pilot programs have demonstrated the power of ultra-high-definition cameras and artificial intelligence to detect fires, enhance situational



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Firefighting Agencies Enlist AI to Spot Wildfires

Startups are tapping AI technologies associated with facial recognition to identify potential outbreaks



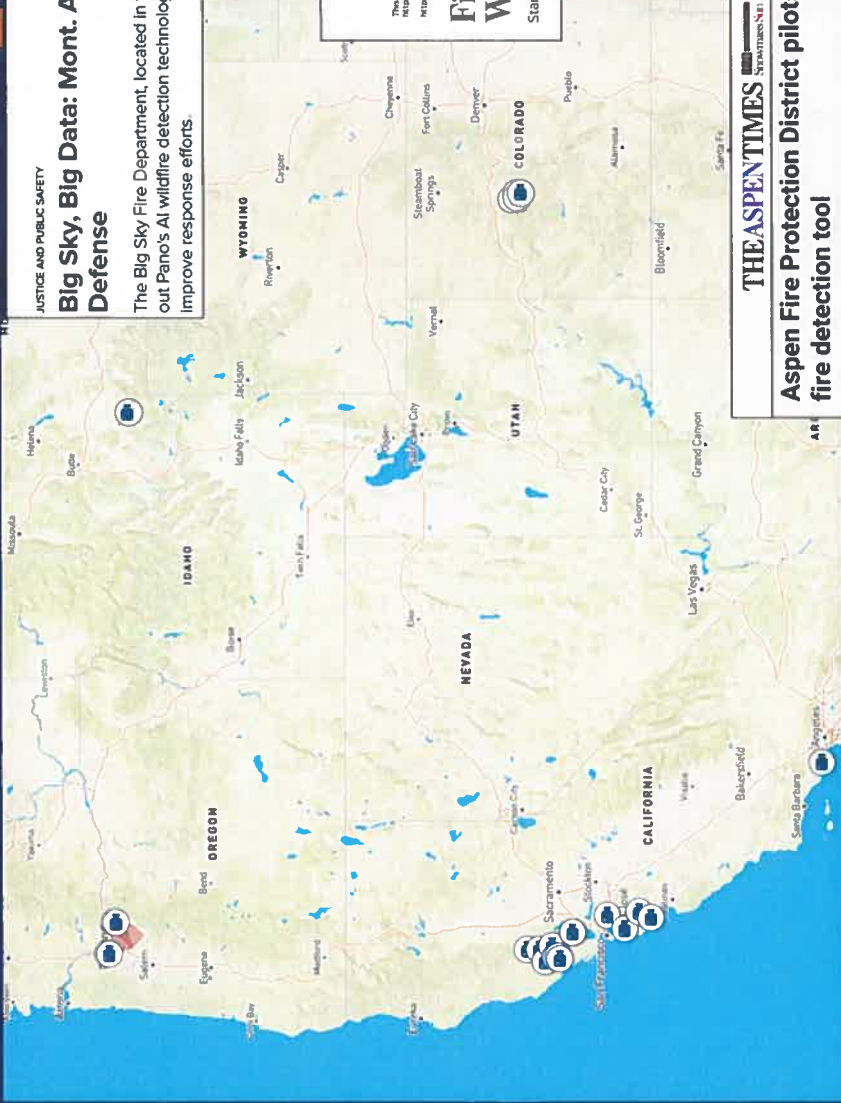
Home News Finance Sports Entertainment Life COVID-19 Shopping

Pano AI Announces Wildfire Detection Technology Pilot Program with PG&E and Portland General Through EPRI's IncubateEnergy Labs



Aspen Fire Protection District pilots new fire detection tool

Strategically placed cameras, artificial intelligence help spot wildfires



AFPD Pano 360 Training Sessions Conducted In-person and Online

25+ users trained & accounts created across broad range of organizations, including:

- AFPD personnel and Board members
- Pitkin County Sheriff
- Pitkin County Public Safety / GIS
- Aspen Hospital / EMS
- Carbondale Fire
- US Forest Service



July 12th, July 25th Pano system overview and user training sessions

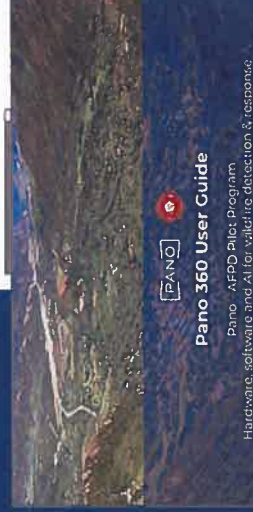
Sharing Incidents

Viewing & editing incidents: Incident details

Click the associated 'Incident Details' button to view the incident type, organization, and the location (a map view showing the location of the Station).

Click the associated 'Share Incident' button to share the incident with other users. The incident will be shared with non-credentialed Pano users. Only users with the appropriate permissions can view the incident details page.

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Pano 360 User Guide

Pano - AFPD Pilot Program
Hardware, software and AI for wildfire detection & response
Version 1.0.1.0 2023

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Proposed Agenda

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2. Software
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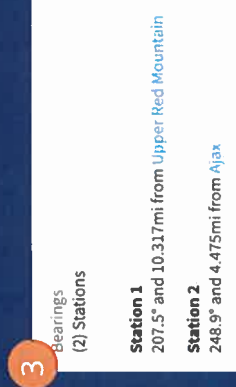


10+ software enhancements introduced this fire season

Feedback from government, utility and insurance users actioned and changed implemented

Highlights

- 1) Bearing scale on the image player that shows the compass direction
- 2) Map view widget on top of the full screen player, which shows the map viewshed in context to the 360 panoramic imagery
- 3) Distance from cameras for triangulated incidents
- 4) Enhanced triangulation



Triangulation Ease of Use by Pano Users

Pano observed triangulation use with first-time app users for static geographic locations

Station 1 View



Station 1: Prather
Distance: 7.6mi

Station 2 View



Station 2: Clearlake Oaks
Distance: 7.5mi

Triangulation Results



Eight new Pano customers triangulated Mount Konocti with a maximum distance of 141ft between coordinates

Additional enhancements in progress

The 2022 feature roadmap includes Optical Zoom and Accelerated Notifications

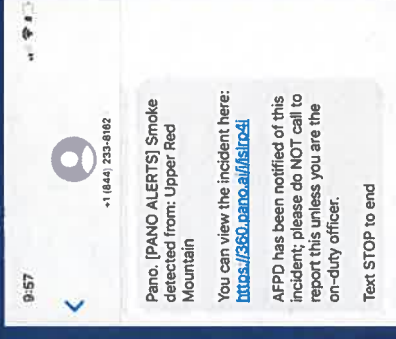
Optical Zoom

1. Allow Pano users to utilize the 30x optical zoom to get a custom view of the station viewedshed
2. Limit the use of the Optical Zoom to users who are authorized for the feature
3. Balance system ability to perform optical zoom on single location and also gather 360 images



Accelerated Notifications

1. Decrease time to send notifications at the time the incident is confirmed
2. Have custom notification rules for incident types per organization



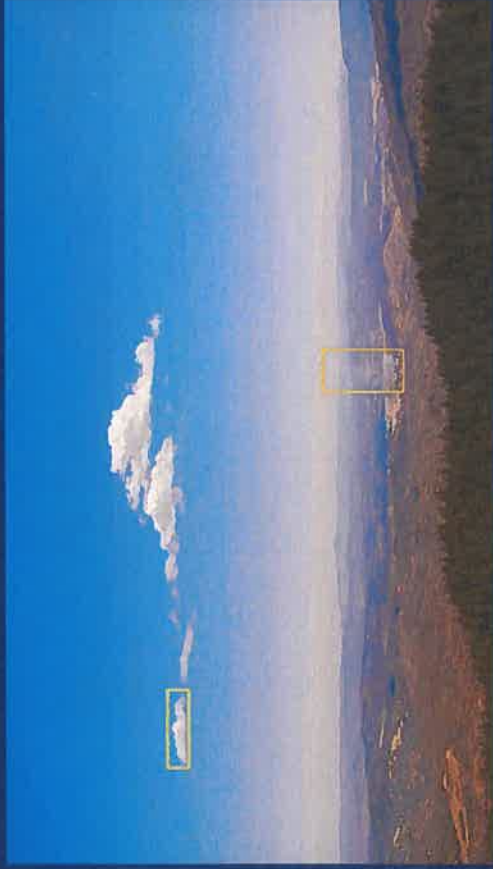
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Smoke Detection AI: Two Key Business Metrics (with trade-offs)

Accuracy (False Positives Rate)



What percent of detections are true incidents?

% of new detections which are false positives

Speed (Time To Detection)



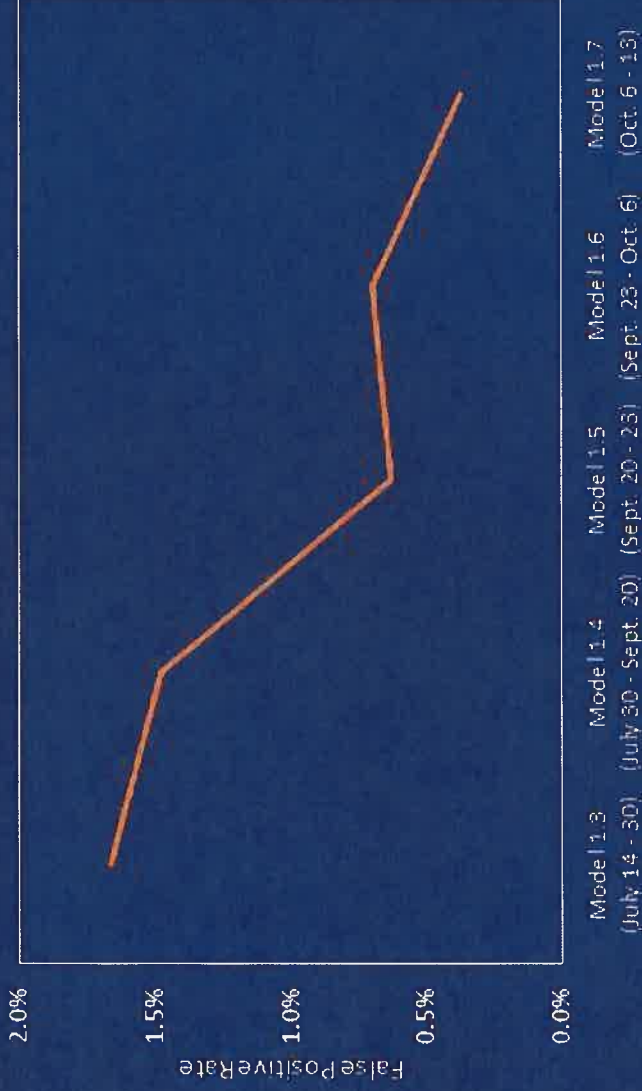
How quickly are new incidents detected?

Minutes between visible smoke and AI detection

Live Incident Dataset: False Positive Rate

The false positive rate significantly decreased throughout the pilot as Pano's AI model learned from previous false positive data collected from our 20+ Station Deployments

False Positive Rate By Model Version / Time Period



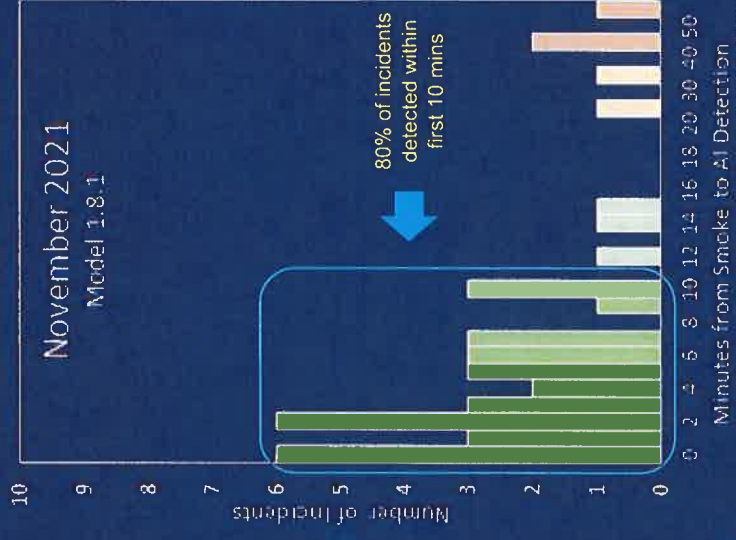
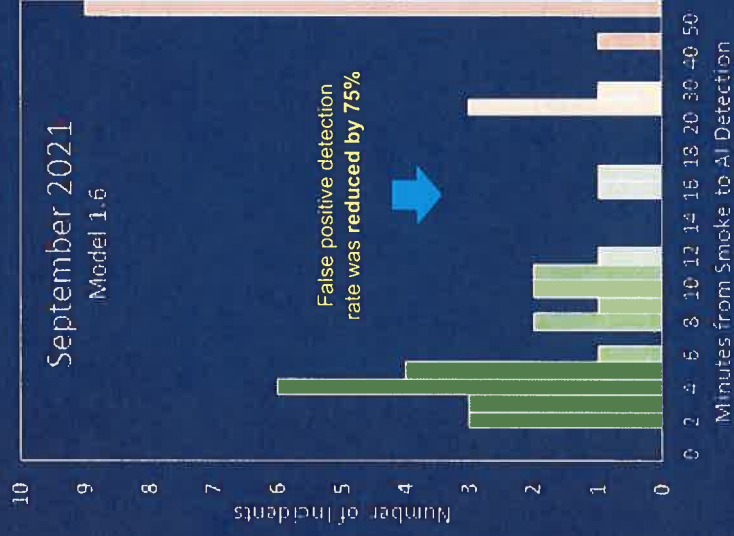
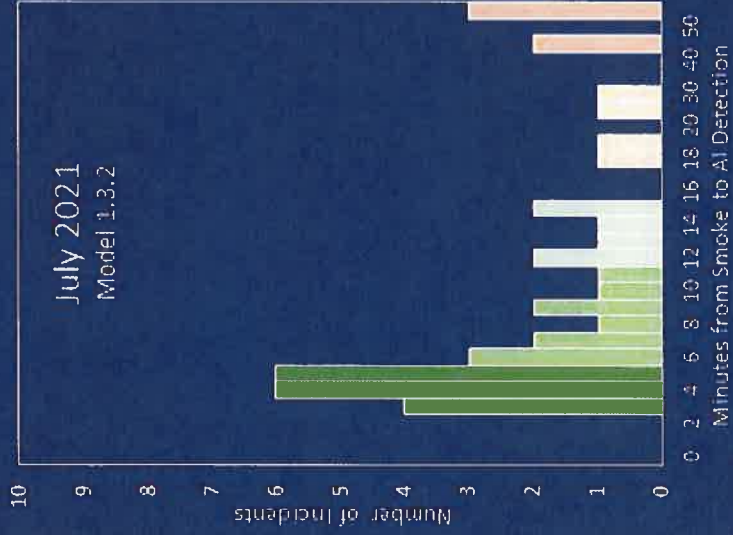
Accuracy rate of Pano email + text alerts to utilities and first responders was **90%+** throughout the pilot

Example of false notifications included: Geysers, Industrial Smoke, Prescribed Burns, etc.

Note: False positives are defined as individual frames that generated a smoke alert, but no smoke incident was found in the image by the Pano Intelligence Center.

Time to Detection: Progress On Model Throughout Pilot

Pano AI Production Models: 25 HPWREN Fires + 15 Pano Fires



Pano Detection vs. Other Sources of Detection

Ranked by Criticality

Incident	Distance from Camera	Environmental Conditions	Smoke Visible in Camera	Pano AI (no Kalman)	Pano detect-	Irwin Alert	Earliest Alert	Earliest Alert Source
#287 <u>Todd Fire</u>	12.4mi	Clear	17:08	17:12	17:14	17:11	17:09	911
#298 <u>Coyote Fire</u>	11.2mi	Very Hazy	17:10	17:43	18:25	17:05	17:03	911
#496 <u>Shedhorn Mtn Fire</u>	12.9mi	Somewhat Hazy	15:38	15:58	16:00	16:10	16:00	Pano
#390 <u>Round Fire</u>	12.9mi	Somewhat Hazy	13:12	13:13	13:14	13:15	13:14	Pano
#310 <u>School Fire</u>	8.6mi	Somewhat Hazy	18:14	18:52	19:06	18:23	18:15	911
#418 <u>Diamond Fire</u>	8.8mi	Light Haze	13:37	13:40	13:42	13:42	13:42	Pano, Irwin
#364 <u>Wilson Fire</u>	2.6mi	Light Fog	14:00	14:07	14:09	14:14	14:04	911
#262 <u>Creek Fire</u>	6.8mi	Clear	15:35	15:55	16:07	15:54	15:54	Irwin

Note: Fires included in this set are vegetation fires with IRWIN alerts and Pano AI Alerts. The Earliest Alert data was generated from IRWIN alerts, local 911 calls, Calfire alerts, and CHP alerts.

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2022 Staffing Proposal and 2024+ Vision

2021 Staffing Model

Station 61	Station 62
Career Firefighter/EMT	Career Captain
Career Firefighter/EMT	Volunteer Firefighter/EMR

2022 Staffing Model (Proposed)

Station 61	Station 62
Career Lieutenant/EMT	Career Captain
Career Firefighter/EMT (Medical)	Career Firefighter/EMT (Prevention)
Career Firefighter/EMT (Engineer)	Volunteer Firefighter/EMR

Total

Year	Battalion Chief	Captain	Lieutenant	Firefighter	Total FTEs	Volunteers
2021	0	3	0	6	9	40
2022	0	3	3 (add 3)	9 (add 3)	15	50 (add 10)

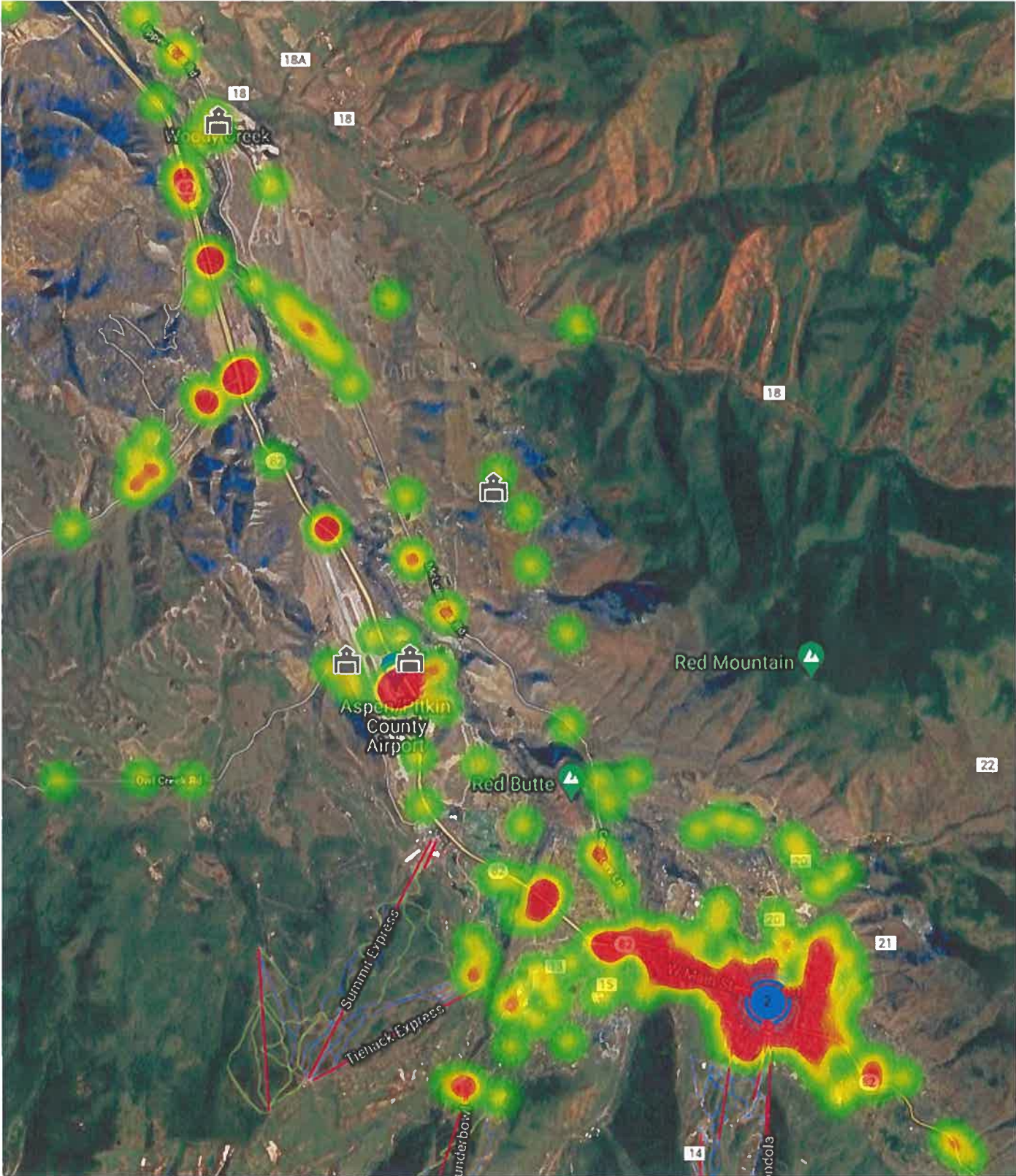
VISION

Vision 2024 Staffing Model (NFPA 1710/1720 Compliant Vision)

Station 61	Station 62
	Battalion Chief
Lieutenant	Lieutenant
Engineer	Engineer
Firefighter/EMT	Firefighter/EMT
Vol. Firefighter/EMR	Vol. Firefighter/EMR
** Minimum of 7 additional volunteers to respond from out of station	

** In 2024, with crews of 4 at Stations 61 and 62 we will meet or exceed the NFPA 1710 and 1720 response time requirement of 4 personnel on scene within 5:20 seconds of dispatch for 90% of our calls and 15 personnel on scene within 9 minutes for Urban area (Station 61) and Suburban area (Station 62). The goal for 2024 vision is to meet NFPA 1710/1720 base standard and remain majority volunteer. This is only one potential way to achieve this goal. Many other great ideas have been brought forward and the time between 2022 and 2024 will be used to vet and ground proof these other concepts.

All-Call Heat Map



Reasoning for this proposal

ESCI May 2020 Study

Figure 36: Financial Impacts of Option 3

	Option 3					
	Decision Units	Unit Cost	Actual FTEs	Total Cost	Onboarding	Total Cost
Station 61 (4 FF/EMT per shift)	4	\$343,688	15.00	\$1,374,750	\$112,500	\$1,487,250
Station 62 (4 FF/EMT per shift)	4	\$343,688	15.00	\$1,374,750	\$112,500	\$1,487,250
District Total FY 2020	8	\$687,376	30	\$2,749,500	\$225,000	\$2,974,500

“Although this option does not bring AFPD into full compliance with NFPA 1720 or ISO criteria, it does provide a significant improvement in the ability to handle both current and future service demand. It also represents an entry point for AFPD to begin the development of a deployment system based upon industry best practices. Whether or not AFPD implements this option today or in the near future, some variant of this deployment model should be adopted for the District to operate more effectively, safely, and efficiently. This option represents the absolute minimum staffing levels advisable in a fire rescue system.” – (Pg 48, ESCI May 2020 Study, Staffing Option 3)

NFPA 1710 Summary

Company Staffing 1710 (Crew Size)

Engine = minimum 4 on duty

- High volume/geographic restrictions = 5 minimum on duty
- Tactical hazards dense urban area = 6 minimum on duty

Truck = minimum 4 on duty

- High volume/geographic restrictions = 5 minimum on duty
- Tactical hazards dense urban area = 6 minimum on duty

Low hazard (residential single-family dwellings 1200sf)

Medium hazard (three story garden apartments or strip malls)

High hazard structures (high-rise buildings)

Initial Alarm Deployment (*number of fire fighters including officers)

- Low hazard = 15 Fire fighters
- Medium hazard = 28 Fire fighters
- High hazard = 43 Fire fighters

Response Times

First Engine Arrive on Scene

- 240 sec (4 min)

Initial Full Alarm (Low and Medium Hazard)

- 480 sec (8 min)

Initial Full Alarm – High Hazard/ High-Rise Time

- 610 sec (10 min 10 sec)

NFPA 1720 Summary

Staffing and Response Times

Demand Zone ^{***}	Demographics	Minimum Staff ^b	Response Time ^c	Meets Objective
Urban area	>1000 people/mi ²	15	9	90%
Suburban area	500-1000 people/mi ²	10	10	80%
Rural area	<500 people/mi ²	6	14	80%
Remote area	Travel distance ≥ 8 m	4	Directly dependent on travel distance	90%
Special risks	Determined by AHJ	Determined by AHJ based on risk	Determined by AHJ	90%

* A jurisdiction can have more than one demand zone.

^b Minimum staffing includes members responding from the AHJ's department and automatic aid.

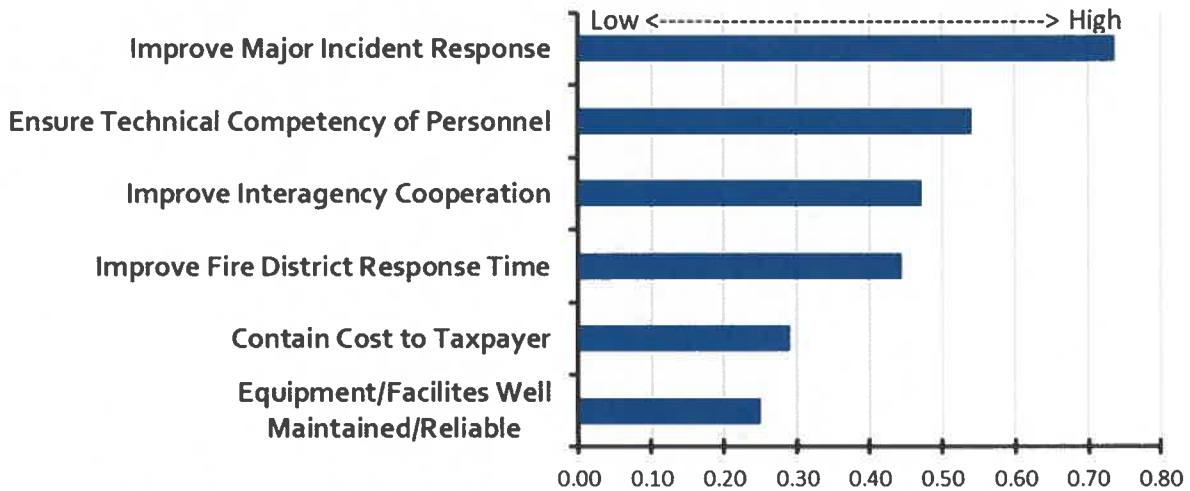
^c Response time begins upon completion of the dispatch.

AFD Response Times

Times	NFPA Standard	AFPD 2021	AFPD ESCI Report
All-Call Turnout Time	1:20	4:42	07:30
All-Call Travel Time	4:00	5:43	13:41
All-Call Response Time	5:20	10:25 -5:05	21:11 -16:09
<u>Fires Only</u>			
All-Call Fire Turnout Time	1:20	3:05	09:28
All-Call Fire Travel Time	4:00	7:39	15:12
All-Call Fire Response Time	5:20	10:44 -5:24	24:40 -19:38

Customer Centered Strategic Plan

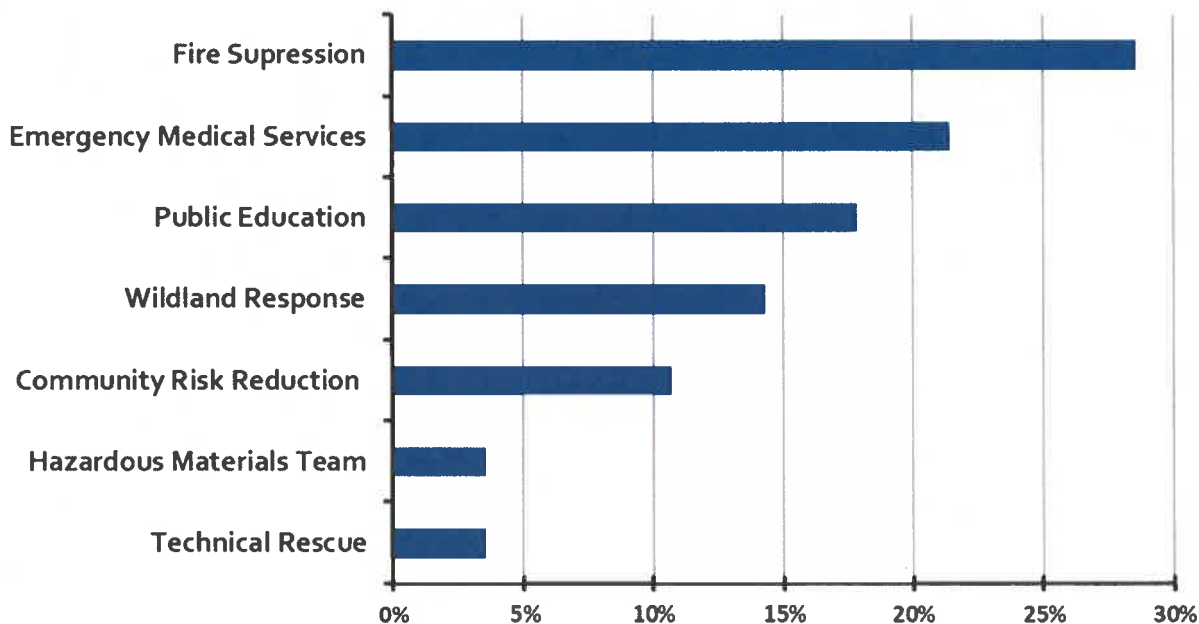
Figure 1: Citizen Planning Priorities (pg10, AP Triton, Strategic Plan)



“The planning priorities were presented as a forced ranking of major incident response, response times, technical competency, equipment/stations, interagency cooperation, and cost containment. The respondents compared each planning element against all others and were forced to choose the more important of the two compared elements. Each element was compared to all others in the set. ”

“Continued evaluation of opportunities to improve response times was a general expectation of the citizen forum.”

Figure 2: Community Survey Identifying Priority of Services (pg12, AP Triton, Strategic Plan)



OSHA Mandate – 2 in/ 2 out

“The safety of firefighters engaged in interior structural firefighting is the major focus of paragraph (g)(4) of the OSHA Respiratory Protection standard. This provision requires that at least two employees enter the Immediately Dangerous to Life or Health (IDLH) atmosphere and remain in visual or voice contact with each other at all times. It also requires that at least two employees be located outside the IDLH atmosphere, thus the term, "two in/two out". This assures that the "two in" can monitor each other and assist with equipment failure or entrapment or other hazards, and the "two out" can monitor those in the building, initiate rescue, or call for back-up.” (Letter from John B. Miles, Jr. Directorate of Compliance Programs, OSHA to Kurt Varone)

Current Staffing Impacts

2065.5 hours of OT total through September. 1,683 hours directly related to PTO usage or covering the 4th(volunteer) slot to keep a station open. The remainder of the hours relate to trainings, meetings, covid testing, etc.

Also, in 2021 (January – October):

70+ days with staffing below minimum qualifications(No EMT, Officer, Driver/Operator, Qualified FF, etc.)

90+ days where we had to pay OT to keep station open

9 days we have had to close a station

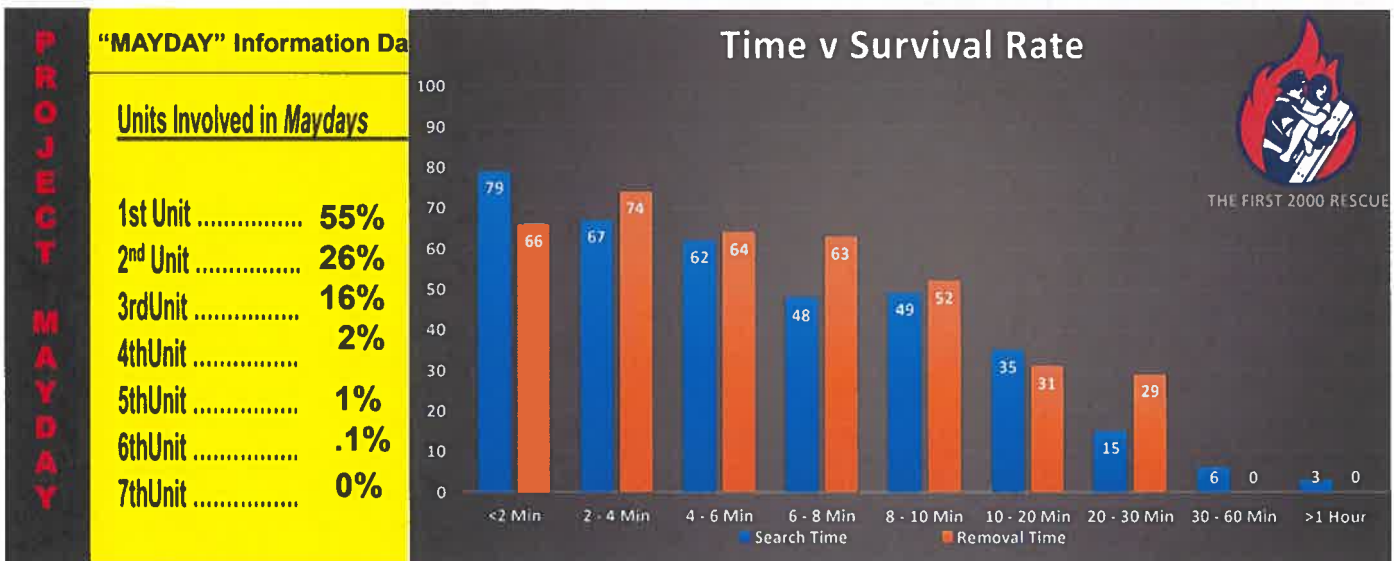
Modern -vs- Legacy Home Furnishings

Time to Flashover: Legacy (natural fibers): ~ 30 minutes

Modern (Synthetic materials) < 5 minutes



Public and Firefighter Safety



Home fire deaths

For more information, review the full reports by the Federal Emergency Management Agency, the National Fire Incident Reporting System (NFIRS), and the National Safety Council:

- One civilian fire-related death occurs every 144 minutes or a little over every two hours.
- In 2018, 82 firefighters died while on duty.
- Home fires account for 92% of civilian fire deaths.
- On average, seven people die in a fire a day.
- House fires cause an average of 2,620 civilian deaths each year.
- The majority of home fire deaths are caused by smoke inhalation.
- Every year 500 children (14 and younger) are killed by fire.
- More than 50% of children ages 5 and younger die while asleep during a fire.
- One civilian fire-related injury occurs every 35 minutes, or a little every half hour.

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4 (12/14/2021)

GENERAL FUND

PAGE 2

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
ADMINISTRATION				
41149 - County Treasurer Fee	295,123	304,232	327,044	304,287
41150 - Employer Medicare--AVFD+	1,655	1,200	1,500	2,500
41155 - Employer Social Security--AVFD+	15,908	10,000	12,000	15,000
41160 - Employer SUI--AVFD+	342	300	500	625
41146 - Employee Wellness Program	1,495	5,000	8,000	8,000
41200 - Other Expense (vs. Income)	78,744	13,250	-	-
41209 - WFAC (Wildfire Mapping) Project	15,570	41,180	-	40,000
41210 - Contract Labor / Special Projects	33,413	45,000	43,000	45,000
41211 - Supplies & Expenses	25,088	24,000	24,296	23,224
41212 - Telephone Expense	31,370	32,000	32,000	30,000
41214 - Info. Systems & Support	25,023	32,000	36,000	30,000
41500 - Audit & Budget	16,697	17,360	19,000	18,000
41510 - Insurance				
Gen Liability/Accident & Other	37,427	40,000	45,000	50,000
Workers' Comp	35,445	80,000	90,000	45,000
41520 - Legal	22,160	26,000	26,000	25,000
41770 - Equip Repair/Replace	3,558	4,000	5,000	5,000
41810 - Election	13,816	-	16,000	-
41820 - Staff Vehicle Expense	12,753	13,000	11,000	17,000
41840 - Administrative	39,576	45,000	45,000	45,000
41920 - Capital Outlay - Computers +	9,375	25,000	20,000	25,000
Total ADMINISTRATION	714,538	758,522	761,340	728,636
VOLUNTEER BENEFITS				
41860 - Volunteer Fitness/Wellness Allowance	42,604	42,000	42,000	48,100
41861 - Volunteer Health Insur/HSA/HRA	233,405	170,000	352,950	309,162
41870 - Volunteer Health Screenings	824	1,500	2,000	5,000
41875 - LOSAP	22,000	46,500	34,750	33,000
41877 - Volunteer Shift Incentives	725	4,000		
41880 - EMS Incentive Program	16,150	17,212		
41890 - FFII Proficiency Incentive	7,225	8,181		
41891 - Officer & D/O Incentives	1,900	1,800		
41892 - ALL Volunteer Incentives (Shifts+Quals+Points)			40,000	80,000
Total VOLUNTEER BENEFITS	324,833	291,193	471,700	475,262
FIRE FIGHTING				
42205 - Firefighters' Logistics/Support	17,800	25,000	25,000	25,000
42206 - Uniforms	30,572	30,000	20,000	30,000
42211 - Operational Supplies & Expenses	107,220	125,000	125,000	125,000
42212 - Rescue Supplies & Expenses	25,637	15,000	15,000	15,000
42213 - EMS Supplies & Expenses	7,121	15,000	15,000	15,000
42214 - Wildfire Supplies & Expenses	16,252	10,000	10,000	10,000
42215 - Wildfire Program (Seasonal FFs +)	2,310	690	-	25,000
42220 - Pano AI Project		40,000	60,000	-
42300 - Fuel	10,019	15,000	15,000	15,000
42400 - Subscriptions & Dues	3,238	1,500	1,500	1,500
42402 - Honor Guard	7,511	7,500	5,000	7,500
Total FIRE FIGHTING	227,680	284,690	291,500	269,000

ASPEN FIRE PROTECTION DISTRICT**2022 PROPOSED BUDGET -- DRAFT #4 (12/14/2021)****GENERAL FUND**

PAGE 3

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
TRAINING				
44102 · EMS Training & Records	10,326	21,000	24,000	24,000
44103 · FF Training & Records	18,482	25,000	50,000	42,000
44211 · Supplies & Expenses	9,736	10,000	10,000	10,000
Total TRAINING	38,544	56,000	84,000	76,000
FIRE PREVENTION				
43200 · Training	4,955	5,000	6,000	5,000
43211 · Supplies & Expenses	3,324	12,000	9,000	9,000
43212 · Public Fire Education	128	4,500	6,000	6,000
43214 · Advertising--Public Education	5,697	8,000	12,000	12,000
Total FIRE PREVENTION	14,104	29,500	33,000	32,000
COMMUNICATIONS				
45211 · Supplies & Expenses	8,255	8,000	8,000	10,000
45300 · Administration				
County Dispatch Services	42,007	40,000	50,000	45,000
County Radio Services	23,775	25,000	30,000	30,000
45910 · Radio Capital Outlay	12,465	23,491	20,000	20,000
Total COMMUNICATIONS	86,502	96,491	108,000	105,000
CDPS COOPERATOR INCIDENTS				
42600 · Cooperator Incident--Misc.	15,928	-	-	-
42601 · Cooperator Incident--Personnel	81,049	-	-	-
Total FF COOPERATIVE AGREEMENT	96,977	-	-	50,000
REPAIR SERVICES (Fleet & Equip)				
46200 · Pump & Equipment Testing	17,167	20,000	20,000	23,000
46211 · Supplies & Expenses & Parts	41,111	40,000	28,000	30,000
46212 · Out-source Maint& Repair	107,276	75,000	75,000	85,000
Total REPAIR SERVICES (Fleet & Equip)	165,554	135,000	123,000	138,000

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4 (12/14/2021)

GENERAL FUND

PAGE 4

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
STATIONS, BUILDINGS & GROUNDS				
Headquarters Station				
48209 - Alarm Monitoring and T&I--HQ	1,392	1,654	1,750	1,700
48210 - Repairs & Maint. - Headquarters	16,011	12,000	17,000	23,000
48211 - Supplies & Exp. - Headquarters	13,635	11,000	12,000	12,000
48214 - Utilities - Headquarters	39,627	42,000	42,000	36,000
48215 - Cleaning - Headquarters	8,034	9,000	9,000	10,000
Total Headquarters Station	78,699	75,654	81,750	82,700
North 40 Station				
48309 - Alarm Monitoring and T&I--N40	1,040	1,064	1,200	1,200
48311 - Repairs & Maint. - North 40	22,554	20,000	20,000	20,000
48315 - Supplies & Expenses - North 40	13,516	10,000	10,000	12,000
48320 - Utilities - North 40	37,468	38,000	40,000	38,000
Total North 40 Station	74,578	69,064	71,200	71,200
Aspen Village Substation				
48016 - Supplies & Exp.- Aspen Village	745	500	1,000	2,000
48400 - Utilities - Aspen Village	5,369	6,000	6,000	5,450
48409 - Alarm Monitoring and T&I--AV	725	1,321	1,000	750
48410 - Repairs & Maint. - Aspen Village	32,456	5,000	5,000	20,000
Total Aspen Village Substation	39,295	12,821	13,000	28,200
Starwood Substation				
48411 - Rent & Expenses - Starwood	274	11,000	11,000	1,000
48412 - Utilities - Starwood	9,872	12,000	12,000	8,000
Total Starwood Substation	10,146	23,000	23,000	9,000
Woody Creek Substation				
47301 - Supplies & Exp. - Woody Creek	707	1,100	1,200	1,500
47302 - Utilities - Woody Creek	7,850	9,500	11,000	8,900
47309 - Alarm Monitoring and T&I--WC	732	1,313	1,000	850
47310 - Repairs & Maint. - Woody Creek	19,386	13,000	5,000	5,000
Total Woody Creek Substation	28,675	24,913	18,200	16,250
Total STATIONS, BUILDINGS & GROUNDS	231,393	205,452	207,150	207,350
OTHER				
49502 Transfer TO Capital Acquisition Fund	800,000	600,000	600,000	600,000
49505 Transfer TO Housing Fund	1,070,000	1,100,000	1,100,000	1,100,000
49507 Transfer TO Emergency Reserve Fund	100,000	50,000	50,000	50,000
49508 Transfer TO Operations Reserve Fund	400,000	200,000	580,000	200,000
49515 Contribution TO FPPA Volunteer Pension Fund	382,000	545,000	250,000	250,000
Total OTHER	2,752,000	2,495,000	2,580,000	2,200,000
Total Expenditures	6,254,096	6,568,848	7,100,588	6,584,835
Net Income	295,772	44,963	-	-
Ending Balance, December 31	2,668,705	2,713,668	2,713,668	

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4 (12/14/2021)

HOUSING FUND

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
Beginning Balance, January 1	17,021,048	15,733,239	7,171,277	

REVENUES				
HOUSING FUND (Income)				
31175 · General Property Tax Allocation	1,070,000	1,100,000	1,100,000	1,100,000
31190 · Interest on Investments	75,016	2,000	1,000	50,000
Total HOUSING FUND (Income)	1,145,016	1,102,000	1,101,000	1,150,000
Total Revenues	1,145,016	1,102,000	1,101,000	1,150,000

EXPENDITURES				
HOUSING FUND (Expenses)				
70100 - North 40 Project--Soft Costs			650,000	
Architectural Services	482,328	100,000	see total above	
Construction Mgmt. Services	68,120	85,000	see total above	
Other Services / Fees	807,094	385,212	see total above	
70200 · North 40--Construction		8,000,000	6,530,227	11,750,000
70300 · COPs--Lease Payments				
70301 - Interest Payments	544,684	543,050	526,550	543,050
70302 - Principal Payments	520,000	550,000	565,000	550,000
70305 - Bank (UMB) Sweep/Admin Fees	10,599	700	500	6,950
Total HOUSING FUND (Expenses)	2,432,825	9,663,962	8,272,277	12,850,000
Total Expenditures	2,432,825	9,663,962	8,272,277	12,850,000

Net Income	(1,287,809)	(8,561,962)	(7,171,277)	(11,700,000)

Ending Balance, December 31	15,733,239	7,171,277	-	

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4 (12/14/2021)

WILDFIRE COMMUNITY ACTION FUND

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
Beginning Balance, January 1	-	-	141,036	
XX				
REVENUES				
WILDFIRE COMMUNITY ACTION FUND (Income)				
31575 - Contributions Received		164,500	165,000	-
31580 - Grants Received		-	tbd	
31590 - Interest on Investments		3	12	-
Total WILDFIRE C.A. FUND (Income)	-	164,503	165,012	
Total Revenues	-	164,503	165,012	
XX				
EXPENDITURES				
WILDFIRE COMMUNITY ACTION FUND (Expenses)				
80100 - Operating Expenses				
80101 - Administrative Expenses		1,500	1,500	
80103 - Consultant Fees		-	25,000	
80105 - Personnel				
Wages		16,603	89,003	
Benefits		5,068	31,851	
Employer Taxes		296	1,492	
80109 - Marketing		-	10,000	
80111 - Other / Unanticipated			4,000	
80200 - Project Expenses		-	tbd	
Total WILDFIRE C.A. FUND (Expenses)		23,467	162,846	-
Total Expenditures	-	23,467	162,846	-
XX				
Net Income	-	141,036	2,166	
XX				
Ending Balance, December 31	-	141,036	143,202	

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4 (12/14/2021)

DEBT SERVICE FUND

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
Beginning Balance, January 1	1,091,188	1,063,139	1,078,964	

REVENUES				
DEBT SERVICE FUND (Income)				
35100 · General Property Tax	1,068,513	1,103,000	1,069,355	1,087,514
35200 · Specific Ownership Taxes	34,735	38,000	40,000	35,000
35210 · Interest Earned--Prop. Taxes	2,037	2,325	2,000	2,000
35250 · Interest on Investments	5,529	275	300	7,000
35700 · Delinquent Taxes	(13,510)	(700)	2,000	(5,000)
Total BOND Debt Service Fund (Income)	1,097,304	1,142,900	1,113,655	1,126,514
Total Revenues	1,097,304	1,142,900	1,113,655	1,126,514
EXPENDITURES				
DEBT SERVICE FUND (Expenses)				
50005 - County Treasurer Fee	52,878	55,250	53,468	54,376
50010 · Interest Payments	217,275	191,625	165,225	191,625
50011 · Principal Payments	855,000	880,000	905,000	880,000
50020 · Fees & Expenses	200	200	200	200
Total BOND Debt Service Fund (Expenses)	1,125,353	1,127,075	1,123,893	1,126,201
Total Expenditures	1,125,353	1,127,075	1,123,893	1,126,201
Net Income	(28,049)	15,825	(10,238)	313

Ending Balance, December 31	1,063,139	1,078,964	1,068,726	

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4A (12/14/2021)

GENERAL FUND

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	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
ADMINISTRATION				
41149 - County Treasurer Fee	295,123	304,232	327,044	304,287
41150 - Employer Medicare--AVFD+	1,655	1,200	1,500	2,500
41155 - Employer Social Security--AVFD+	15,908	10,000	12,000	15,000
41160 - Employer SUI--AVFD+	342	300	500	625
41146 - Employee Wellness Program	1,495	5,000	8,000	8,000
41200 - Other Expense (vs. Income)	78,744	13,250	-	-
41209 - WFAC (Wildfire Mapping) Project	15,570	41,180	-	40,000
41210 - Contract Labor / Special Projects	33,413	45,000	43,000	45,000
41211 - Supplies & Expenses	25,088	24,000	24,296	23,224
41212 - Telephone Expense	31,370	32,000	32,000	30,000
41214 - Info. Systems & Support	25,023	32,000	36,000	30,000
41500 - Audit & Budget	16,697	17,360	19,000	18,000
41510 - Insurance				
Gen Liability/Accident & Other	37,427	40,000	45,000	50,000
Workers' Comp	35,445	80,000	90,000	45,000
41520 - Legal	22,160	26,000	26,000	25,000
41770 - Equip Repair/Replace	3,558	4,000	5,000	5,000
41810 - Election	13,816	-	16,000	-
41820 - Staff Vehicle Expense	12,753	13,000	11,000	17,000
41840 - Administrative	39,576	45,000	45,000	45,000
41920 - Capital Outlay - Computers +	9,375	25,000	20,000	25,000
Total ADMINISTRATION	714,538	758,522	761,340	728,636
VOLUNTEER BENEFITS				
41860 - Volunteer Fitness/Wellness Allowance	42,604	42,000	42,000	48,100
41861 - Volunteer Health Insur/HSA/HRA	233,405	170,000	352,950	309,162
41870 - Volunteer Health Screenings	824	1,500	2,000	5,000
41875 - LOSAP	22,000	46,500	34,750	33,000
41877 - Volunteer Shift Incentives	725	4,000		
41880 - EMS Incentive Program	16,150	17,212		
41890 - FFII Proficiency Incentive	7,225	8,181		
41891 - Officer & D/O Incentives	1,900	1,800		
41892 - ALL Volunteer Incentives (Shifts+Quals+Points)			40,000	80,000
Total VOLUNTEER BENEFITS	324,833	291,193	471,700	475,262
FIRE FIGHTING				
42205 - Firefighters' Logistics/Support	17,800	25,000	25,000	25,000
42206 - Uniforms	30,572	30,000	20,000	30,000
42211 - Operational Supplies & Expenses	107,220	125,000	125,000	125,000
42212 - Rescue Supplies & Expenses	25,637	15,000	15,000	15,000
42213 - EMS Supplies & Expenses	7,121	15,000	15,000	15,000
42214 - Wildfire Supplies & Expenses	16,252	10,000	10,000	10,000
42215 - Wildfire Program (Seasonal FFs +)	2,310	690	-	25,000
42220 - Pano AI Project		40,000	60,000	-
42300 - Fuel	10,019	15,000	15,000	15,000
42400 - Subscriptions & Dues	3,238	1,500	1,500	1,500
42402 - Honor Guard	7,511	7,500	5,000	7,500
Total FIRE FIGHTING	227,680	284,690	291,500	269,000

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4A (12/14/2021)

GENERAL FUND

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	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
TRAINING				
44102 · EMS Training & Records	10,326	21,000	24,000	24,000
44103 · FF Training & Records	18,482	25,000	50,000	42,000
44211 · Supplies & Expenses	9,736	10,000	10,000	10,000
Total TRAINING	38,544	56,000	84,000	76,000
FIRE PREVENTION				
43200 · Training	4,955	5,000	6,000	5,000
43211 · Supplies & Expenses	3,324	12,000	9,000	9,000
43212 · Public Fire Education	128	4,500	6,000	6,000
43214 · Advertising--Public Education	5,697	8,000	12,000	12,000
Total FIRE PREVENTION	14,104	29,500	33,000	32,000
COMMUNICATIONS				
45211 · Supplies & Expenses	8,255	8,000	8,000	10,000
45300 · Administration				
County Dispatch Services	42,007	40,000	50,000	45,000
County Radio Services	23,775	25,000	30,000	30,000
45910 · Radio Capital Outlay	12,465	23,491	20,000	20,000
Total COMMUNICATIONS	86,502	96,491	108,000	105,000
CDPS COOPERATOR INCIDENTS				
42600 · Cooperator Incident--Misc.	15,928	-	-	-
42601 · Cooperator Incident--Personnel	81,049	-	-	-
Total FF COOPERATIVE AGREEMENT	96,977	-	-	50,000
REPAIR SERVICES (Fleet & Equip)				
46200 · Pump & Equipment Testing	17,167	20,000	20,000	23,000
46211 · Supplies & Expenses & Parts	41,111	40,000	28,000	30,000
46212 · Out-source Maint& Repair	107,276	75,000	75,000	85,000
Total REPAIR SERVICES (Fleet & Equip)	165,554	135,000	123,000	138,000

ASPEN FIRE PROTECTION DISTRICT

2022 PROPOSED BUDGET -- DRAFT #4A (12/14/2021)

GENERAL FUND

PAGE 4

	2020 ACTUAL	2021 ESTIMATED	2022 PROPOSED	2021 AS APPROVED
STATIONS, BUILDINGS & GROUNDS				
Headquarters Station				
48209 - Alarm Monitoring and T&I--HQ	1,392	1,654	1,750	1,700
48210 - Repairs & Maint. - Headquarters	16,011	12,000	17,000	23,000
48211 - Supplies & Exp. - Headquarters	13,635	11,000	12,000	12,000
48214 - Utilities - Headquarters	39,627	42,000	42,000	36,000
48215 - Cleaning - Headquarters	8,034	9,000	9,000	10,000
Total Headquarters Station	78,699	75,654	81,750	82,700
North 40 Station				
48309 - Alarm Monitoring and T&I--N40	1,040	1,064	1,200	1,200
48311 - Repairs & Maint. - North 40	22,554	20,000	20,000	20,000
48315 - Supplies & Expenses - North 40	13,516	10,000	10,000	12,000
48320 - Utilities - North 40	37,468	38,000	40,000	38,000
Total North 40 Station	74,578	69,064	71,200	71,200
Aspen Village Substation				
48016 - Supplies & Exp.- Aspen Village	745	500	1,000	2,000
48400 - Utilities - Aspen Village	5,369	6,000	6,000	5,450
48409 - Alarm Monitoring and T&I--AV	725	1,321	1,000	750
48410 - Repairs & Maint. - Aspen Village	32,456	5,000	5,000	20,000
Total Aspen Village Substation	39,295	12,821	13,000	28,200
Starwood Substation				
48411 - Rent & Expenses - Starwood	274	11,000	11,000	1,000
48412 - Utilities - Starwood	9,872	12,000	12,000	8,000
Total Starwood Substation	10,146	23,000	23,000	9,000
Woody Creek Substation				
47301 - Supplies & Exp. - Woody Creek	707	1,100	1,200	1,500
47302 - Utilities - Woody Creek	7,850	9,500	11,000	8,900
47309 - Alarm Monitoring and T&I--WC	732	1,313	1,000	850
47310 - Repairs & Maint. - Woody Creek	19,386	13,000	5,000	5,000
Total Woody Creek Substation	28,675	24,913	18,200	16,250
Total STATIONS, BUILDINGS & GROUNDS	231,393	205,452	207,150	207,350
OTHER				
49502 Transfer TO Capital Acquisition Fund	800,000	600,000	600,000	600,000
49505 Transfer TO Housing Fund	1,070,000	1,100,000	1,100,000	1,100,000
49507 Transfer TO Emergency Reserve Fund	100,000	50,000	50,000	50,000
49508 Transfer TO Operations Reserve Fund	400,000	200,000	zero	200,000
49515 Contribution TO FPPA Volunteer Pension Fund	382,000	545,000	250,000	250,000
Total OTHER	2,752,000	2,495,000	2,000,000	2,200,000
Total Expenditures	6,254,096	6,568,848	7,100,588	6,584,835
Net Income	295,772	44,963	-	-
Ending Balance, December 31	2,668,705	2,713,668	2,713,668	

