

Jaime Laughter

From: David Mcneill
Sent: Thursday, December 28, 2017 11:50 AM
To: Trisha Hogan;Jaime Laughter
Subject: Revised Brevard Fire Agenda Memo with Goal and Strategy
Attachments: Brevard Fire Rescue Truck Agenda Memo.docx

See attached revised memo. David

Jaime Laughter

From: David Mcneill
Sent: Thursday, December 28, 2017 11:42 AM
To: Trisha Hogan; Jaime Laughter
Subject: Agenda Memo Brevard Fire
Attachments: Brevard Fire Rescue Truck Agenda Memo.docx; Custom Vs Commercial Safety.docx; Custom Vs Commercial Chassis 102617.docx; Rescue Equipment List Brevard Fire 11032017.xlsx; The information I found came from different web sites.docx; Brevard Fire Proposed Rescue Truck.pdf

See attached agenda memo and support documents. David

Transylvania County Agenda Memo

Agenda Item:

Meeting Date: 01/09/2018

From: Emergency Services

Date: December 28, 2017

Subject: City of Brevard, Rescue Truck Request

Department: Emergency Services / Brevard Fire Department

Public Hearing: No

Contact Information: David McNeill

Attachment: Rescue Truck Proposal from Emergency Vehicles Inc.

Equipment List Request / Pricing

Purpose: City of Brevard is requesting the replacement of Service/Rescue 21

Background: City of Brevard Fire Department is proposing the replacement of Service/Rescue 21, a 1996 International with 21,358 miles. The department is proposing the purchase of a 2018 Spartan Gladiator Custom Rescue Truck. The truck is made by Emergency Vehicles Inc. The total cost of the vehicle as proposed is \$604,220.00.

In addition, the department is requesting the purchase of rescue equipment for the truck (see attached equipment list). The proposed equipment expenditures total \$214,658.43.

County Emergency Services staff met with the City Council Public Safety Committee on November 15, 2017 to discuss the request from the City of Brevard. During the meeting, staff discussed the request including truck type (standard Chassis v/s Custom Cab), need for truck and the need for rescue equipment being proposed in addition to the truck. This discussion led to a broader discussion of rescue services in the Sylvan Valley 2 District per the contract between the City of Brevard and Transylvania County. County Emergency Services Staff pointed out that the County contracts with and funds Transylvania County Rescue Squad, Brevard Unit 1

(Brevard Rescue) for primary rescue services in the Sylvan Valley 2 District, medical first response in the Sylvan Valley 2 District, back up ambulance services and support to fire and rescue departments countywide. The contract states that Brevard Fire Department shall serve as support for Brevard Rescue for rescue services in the Sylvan valley 2 District. It is important to note that Brevard Rescue and Brevard Fire are located within the same district unlike other fire/rescue departments in Transylvania County that are primary providers of rescue services in their respective districts.

During the meeting, Mayor Harris commented that a revision to the current contract may be appropriate. After review, County staff agrees with the Mayor's assessment and recommends a review of the contract to clarify rescue services.

County staff visited Brevard Fire and Brevard Rescue to inspect their respective Heavy Rescue Equipment required by the NC Rescue Association for heavy rescue certification and found it to be in good working order. The equipment request represents a duplicate of much of the equipment checked by county staff that is currently owned by Brevard Fire. Staff also checked equipment owned by Brevard Rescue and found it to be in good working order. In fact, Brevard Rescue currently owns 2 sets of much of the equipment being requested by Brevard Fire.

Financial Impact: Capital Expenditure totaling \$818,878.43. City of Brevard proposes debt service for the purchase of the truck and equipment with County share determined each year during budget process. The 2018 fiscal year was split 53% City of Brevard and 47% Transylvania County. City is proposing a 10-year loan with payments beginning in 2019 fiscal year. The City Manager reports that the ladder truck debt service pays off in 2018 and expects no increase in annual debt service.

Strategic Plan Goal & Strategy: Goal 5, Strategy 5A

Recommendation(s): Instruct staff to revise contract for fire protection services with City of Brevard and rescue services with Transylvania County Rescue Squad, Brevard Unit 1 for review by Board of Commissioners. Make recommendation on rescue equipment needs per the revised contracts included in the 2019 budget.

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Strategic Plan Goal & Strategy: (ex. 1 A)

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Why a Custom Chassis:

SAFETY

The majority of custom chassis are made with bent or extruded aluminum, while commercial chassis are more likely to utilize formed metals and fiberglass. While this means your custom chassis maybe more durable, they are more likely to have more weight and may require heavier axles or bigger tires than a commercial chassis. The obvious difference between custom and commercial chassis is architectural design. Custom chassis offer shorter wheelbase minimums, more spacious interiors with seating for up to 10 firefighters and wider latitude for exterior cab storage options. The commercial chassis, on the other hand, offers an engine-forward design, which results in longer wheelbase minimums. Crew-carrying capacity is generally limited to 2/4 firefighters with a smaller interior footprint placing limitations on storage cabinets and equipment mounting.

Properly maintained, each chassis can enjoy a life-cycle of at least 15 years, though the custom chassis is likely to last upwards of 20 years or beyond without major refurbishment.

Custom chassis builders ensure their chassis are complaint to the current National Fire Protection Association standard for automotive fire apparatus (NFPA 1901). The commercial chassis poses challenges with NFPA compliance, especially in the area of the Society of Automotive Engineers J1939 standard for interfacing with the vehicle data recorder (VDR) and the seat belt recognition system. Several manufacturers do not permit such an interface with the vehicle electronic control module (ECM) and have stated they will nullify warranties if you do. One of the most notable differences between custom and commercial chassis is that the custom chassis offers both frontal and side-impact airbags, whereas they are absent in the commercial.

There are some key differences in cab design beyond the obvious cab-over versus conventional cab designs. Custom chassis tend to have wider door openings at shorter step heights, thus making entry/egress easier. Also available on the custom platform are cabs which allow for raised roofs in the crew area and legroom is more ample. Finally, there are exterior storage options on custom cabs - such as EMS cabinets behind the front seats and large storage areas in extended cab lengths which cannot be designed into a commercial cab.

Considerations In Chassis Selection

- Engine
- Application
- Seating
- Safety and innovation
- Maneuverability
- Weight and balance
- Functionality

Custom Chassis Overview

- Built for the fire service
- Greater seating and storage options
- Chassis storage design options
- Greater GVWR for multi-purpose
- ECE-R29 crash testing
- Friendly for daily checks

Commercial Chassis Overview

- Engine limitations
- Seating limitations
- Customization limitations
- Longer wheelbase
- Maintenance friendly
- Engineered for other vocations

From Mike Wilbur:

One of the most frequently asked questions I receive is whether to buy an apparatus with a custom fire apparatus chassis or a commercial fire apparatus chassis. Why, you may ask, is this under the Emergency Vehicle Operations column heading and not The Apparatus Architect? Everything that I write and lecture about has one goal and that is firefighter safety, and this topic seems to fit best here. The whole intent of this column is to promote firefighter safety, save lives and reduce on-the-job injuries.

With all the great work that is being done by the National Fallen Firefighters Foundation (NFFF), the federal government, the unions, manufacturers and other fire service organizations to reduce firefighter line-of-duty deaths, we still lose on average about 100 members every year. This is truly alarming.

Today's apparatus represent the biggest financial investment for most fire departments and municipalities. As the cost of apparatus continues to increase, municipalities and fire departments struggle to balance the purchase of safe, cost-effective apparatus with the need to be mindful of budget constraints. What are custom-chassis apparatus and why would you pay a premium for them? Custom-chassis apparatus also are referred to as cab-forward apparatus, as the cab is forward of the engine. Commercial-chassis apparatus are also called engine-forward apparatus.

I have been fortunate, thanks to many of you, to have amassed thousands of photos of wrecked fire trucks. They tell the same story: If you are riding in a custom-chassis apparatus with your seatbelt on, and the apparatus rolls over completely short of hitting a fixed object like a tree or bridge abutment in many cases, you can unbuckle and walk away. Due to the design and construction of the roof posts on commercial chassis, the A post tends to bend or roll during impact, causing the roof to shift in the direction opposite of the impact. During rollover, the A and B posts roll with the vehicle. Generally, commercial-chassis apparatus are not designed to support the weight of the roof during a rollover.

Why do custom apparatus tend to withstand the effects of rollover? Fully enclosed, four-door-cab apparatus are generally constructed with aluminum or stainless-steel tubing in the roof area to support the weight of the roof and any equipment. In addition, the material thickness and design of the A post at the windshield and the other supporting cab sidewalls are generally designed of heavier material with additional interior support to provide protection for the crew. Also, many custom-apparatus manufacturers have done crash testing on their cabs. Some custom-chassis manufacturers offer airbag rollover protection packages. Crash testing and airbag rollover packages generally protect personnel riding inside an apparatus cab.

Two case studies show the difference. The first incident occurred in Alabama, where firefighters were responding to a brushfire when their commercial apparatus rolled over while rounding a curve. A firefighter was crushed and trapped in the cab for two hours. She died, even though she had her seatbelt on. In the second incident, an engine in Arizona was responding to a medical call when the brakes on a car in an opposing lane locked and the driver turned the wheel while in the skid. When the civilian driver let off on the brakes, the car steered right in front of the engine, which was nearly knocked into a utility pole. The driver of the custom apparatus, due to excellent driving skills, was able to avoid a direct hit of the pole. As he swerved to avoid the pole, the engine went across the road and into a fence before rolling over twice. The back end of the apparatus was destroyed, but the cab was intact. The only intrusion into the cab was that the front windshield popped out. All on board the engine were wearing seatbelts. The members of the engine company were all able to unbuckle and walk away, while the most serious injury was a shoulder separation.

Michael Wilbur, a Firehouse® contributing editor, is a lieutenant in the New York City Fire Department, assigned to Ladder Company 27 in the Bronx, and has served on the FDNY Apparatus Purchasing Committee. He consults on a variety of apparatus-related issues around the country. For further information, access his website at www.emergencyvehicleresponse.com.

Seagrave Crash Test of Custom Cab Link:

<https://www.firerescue1.com/fire-products/fire-apparatus/videos/1057180-Seagrave-Crash-Test/>

Roll Over Test

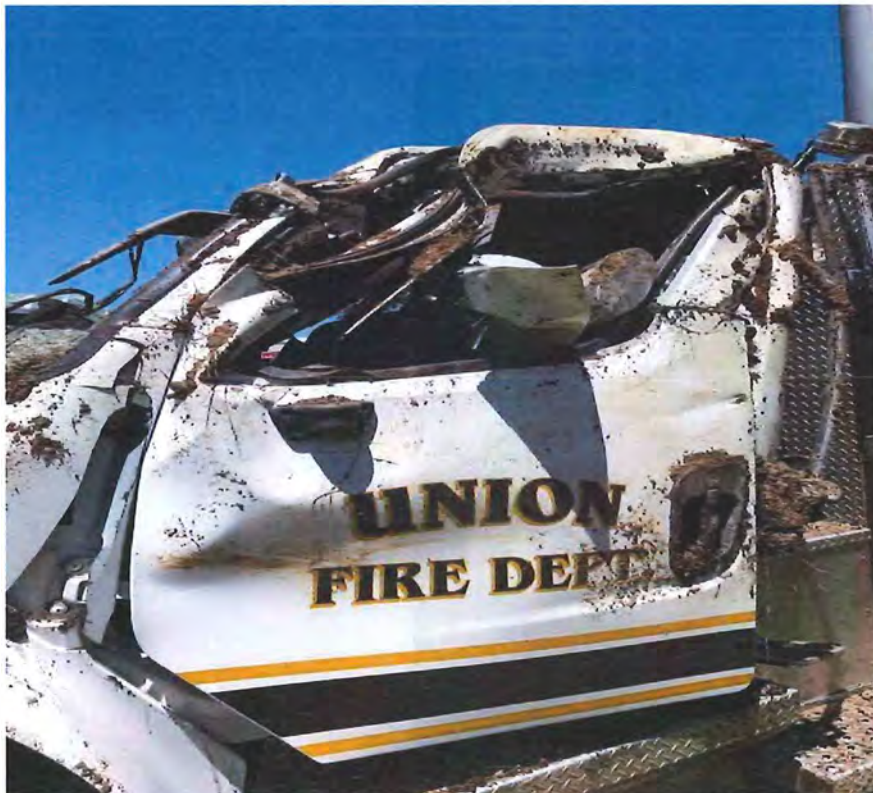


Comparison Pictures











	Quantity
3kw Generator (Portable)	1
Handlights (Portable) 6V Rechargeable Box Light Style	8
	Headlamp Light 6
	Battery Powered Portable Tripod Light 2
Lights (portable/tripod) Combined 4000Watts	Meets Requirement for NCDOT Service Truck 4
12/3 Extension cord 250'	Portable extension chord reel 4
	Portable Chord Reel and Light Combo 2
	PigTail Adapters 2
	Residential to Fire Twist Plug Adapter 1
20 lb CO2 Extenguisher	1
	Water Can 2
	30lb Class D Extenguisher 1
4"x4"x24" Minimum Block Cribbing	60
	4"x4"x48" Block Cribbing 30
2"x4"x24" Minimum Block Cribbing	20
6"x6"x24" Minimum Block Cribbing	12
	6"x6"x36" Block Cribbing 12
	6"x6"x48" Block Cribbing 12
	4"x4"x12' Cribbing 4
6"x6"x24" Minimum Wedges	24

4"x4"x18" Minimum Wedges	40
Wheel Chocks	2
Step Cribbing	8
1"x48" Minimum Pickets Rolled Steel	16
Box of Picket Caps/Covers	1
Rescue 42 Rescue Kit W/ Tripod	1
Rescue 42 Manual Lift Jack	4
Go Jacks	2
Monopod Head and Pulley	1
Paratech monopod hitch base	1
Paratech Monopod (Side of truck)	1
1200 total feet 1/2" low stretch rope	
200' 1/2" Low Stretch Red	1
200' 1/2" Low Stretch Blue	1
200' 1/2" Low Stretch Orange	1
200' 1/2" Low Stretch Neon Green	1
200' 1/2" Low Stretch Yellow	1
300' 1/2" Low Stretch White	1
300' 5/8" Low Stretch Rope Orange	1
300' 5/8" Low Stretch Rope Blue	1
Class II Harnesses- Will have exceed requirement and utilize Class III	4
Class III Harnesses	4
Conterra Rigging Bags Blue	3
Rescue Helmets (Orange)	6
Rescue Tech Rope Bags	5
Rescue Tech Rope Bags	1
Rescue Tech Rope Bags	2
Conterra TECHSAR Rigging Pack	3

Carabiners	Omega G-First Screw Lok Carabiner	36
	Rescue 8 Plates	6
	Mini Brake Bar Rack	3
	Brake Bar Rack	3
	Bull Rings	4
	Swivel	2
Rigging Plate		1
	Additional Rigging Plate	2
	Webbing Ladders Etrier	6
	Rescue Litter Pelvic Tie In Sytem	2
	Rescue Litter Tie In System	2
Double Sheave Pulleys 5/8" X 4"		4
Single Sheave Pulleys 5/8" X 4"		8
1/2" Single Sheave Prussik Minding Pulleys		2
	1/2" Double Sheave Prussik minding pulleys	4
Edge Rollers/ Pads		6
	Mechanical Edge Rollers	4
Cinch Collar		1
	Kootenay Pulley	2
	Yosemite Pre Rig	2
	Super Clip Rescue Clip for Pike Pole	1
	Notebook w/ inventory	
	Pickoff Straps	6
	Beam Clamp	1
	Rescue Spreader Bar	1
	Victim Rescue Harness	1
	Crab Claws	3
	Dog Rescue Harness	1
	Rescue Tripod	1

	CMC Aztek	3
	Rescue Clip W/ Extension Pole	1
22oz Claw Hammers w/ 15" Handles		1
Military Type Folding Shovel		2
	Large Cable Cutter	1
Flat Pry Bar		1
Pry Bar 51"		1
Crow Bar 36"		1
Halligan Bar 36"		1
	Halligan Bar Jumbo	1
Pick (Point & Chisel) 36" Handle		1
Flat Head Axe 6 lb		1
Pick Head Axe 6lb		1
	Additional Irons Compliment	1
	16lb sledge	1
	10 lb instead	1
Sledge Hammers 8 lb		2
Round Point Shovel (Long Handle)		2
Square Point Shovel (Long Handle)		1
	Scoop Shovel	2
	6' Pike Pole	1
	8' Pike Pole	2
	10' Pike Pole	1
	12' Pike Pole	1
	4' Plaster Hook	1
	Big Easy	2
	Hydra Ram	1
	Duck Bill Lock Breaker	1

	K Tool	1
	Shove Knife	4
	Elevator Key Set	1
Chain Saw		1
Spare Chain		1
	Roof Saw w/ carbide tip chain	1
	Chain Saw Files Round	3
	Chain Saw Files Flat	2
	Mixed Fuel Cans	4
	Bar Oil	1
	Chainsaw Helmet & Shield	1
Chainsaw Chaps		1
Recipricating Saws (2 battery, 2 AC)	AC Chord Saw Makitta AVT Recipro Saw 15am	1
	Battery Saw Makitta 18V Li-Ion Cordless	2
	Spare Batteries	2
Recipricating Sawblades	Blades come in 20 per pack	2
Rotary Saw 14"		1
Spare Rotary Saw Blades for metal and masonry		2
	Additional Rotary Saw	2
	Circular Saw 10 1/4 Framing Saw	1
	Spare 10 1/4 blades	2
Air Chisel Kit		1
	Air Tool Oil	1
	Chisel Bits	5
	Tire Inflation Kit/ Water Can Inflation	
	Exo Thermic Torch	1
	Spark Ignitor	2

	Dark Goggles	3
	Quick Reference Cutting Guide	1
	Torch	1
	Metal Circular Saw	1
	Spare Metal Circular Saw Blades	2
	Man Vs. Machine Kit	1
Multi-Gas Meter		1
	Non Sparking Shovel	1
	Mobile Radio	1
		1
	Portable Radio	2
	KNOX Key Secure	1
	Truck Mounted Computer & Dock	1
12,000lb Truck Mounted Winch		1
	Reese Hitch Mounted Winch	1
Single Sheave Snatch Blocks for Vehicle Winch	Snatch Block w/ hook 8 Ton	2
8000lb come alongs rather than just 2000lb		1
3/8" x 6' Grade 70 transport chain		4
	1/2" x 6' Grade 100 Chain	2
3/8" x 12' Grade 70 transport chain		4
	1/2" x 12' Grade 100 Chain	2
3/8" x 20' Grade 70 transport chain		2
	1/2" x 20' Grade 100 Chain	1
3/8" Grade 70 transport chain shorteners		8
	1/2" Grade 100 Chain Shortners	4
	Snatch block w/ shackle	2
4 Ton port-a-power		1

48" High Lift Jacks		2
60" High Lift Jacks		2
	12 ton hydraulic and air bottle jack	1
10 ton Hydraulic Bottle Jacks		1
	20 ton hydraulic and air bottle jack	1
20 ton Hydraulic Bottle Jacks		1
High Pressure Air Bag Set w/ total 200ton capacity	22-889351G2-150	1
Low Pressure Air Bags	22-887106KG2	1
	Hydrant Wrench	1
	Assorted Socket Set (150 Piece)	1
10' X 12' Tarps (Minimum)	blue tarps	4
18' X 20' Tarps	blue tarps	2
	RamFan PPV Fan 5,000cfm minimum	2
	RamFan Standard Duct 25'	2
	RamFan Duct Carrying Bags	2
	Salvage Covers 12'X14' Minimum	4
	Salvage Covers 12 X 18	4
	Floor Runner	4
	Thermal Imaging Camera	1
	Gas Meter Sniffer Type	1
	Ear Plugs	1
	Safety Glasses	6
	100ft Tape Measure	1
	Air Hoses Total Feet	4
	Mix Gas Can	1

	Bar Oil for Chain Saw	1
	WD40	2
	Starter Fluid	1
	Folding Chairs	4
	Aluminum Clip Board	1
	GOJO Hand Degreaser	1
	AC/DC Volt Meter	1
	AC Volt Noise Alert	1
	Rope Log	10
10' Minimum NFPA Service Rated Ladder (Attic)		1
	14' Extension (Combination)	1
	16' Roof	1
	28' Extension	2
	Little Giant Ladder	1
Type III/V PFD		6
		2
Water Rescue Helmets		8
Water Rescue Throw Bags 3/8" X 70'		8
	Water Rescue Knife	8
	Strobe Lights	8
	Glow Sticks	
	Flashlights	8
	Tether Chord	8
	Prussik Chord	1
	Whistle	8
	Water Rescue Boots	6
	Dry Suits	6

300' 7/16" 5000lb water rescue rope w/ Storage Bag	1
18" Type IV Throwable Device	1
RescueCinch Collar	1
RIT BAG	1
Additional RIT Cylinders	4
Air Cart	1
Supplied Air Respirators	4
Supplied Air Hose 100'	6
Long Spine Board w/ Straps	1
Additional Spine Boards	2
Spider straps	4
Splint Kit	1
KED Device	1
Suction Devcice (Portable with rigid or soft tip suction catheter)	1
Trauma Kit	1
O2/ CO Meter	1
Stokes Basket Litter	1
Stokes Flotation Kit	1
Stokes prerig kit	2
SKED Stretcher Kit	1
ClipBoard w/ Refusals	1
Triage Bag	1
CMC Litter Pack	2
Stretcher Wool Blanket	4
	1

Model	Weight Each (Pounds)	Combined Weight (Pounds)	Cost Each	Combined Cost
Honda EU3000 Generator	134.00	134.00	\$2,329.95	\$2,329.95
Streamlight Fire Vulcan LED	1.85	14.80	\$150.00	\$1,200.00
Petzl Pixa 2	0.35	2.10	\$60.00	\$360.00
Streamlight Portable Scene Light	25.00	50.00	\$600.00	\$1,200.00
FRC LED Portable (SPAKR700-K20-ON		0.00	\$1,600.00	\$6,400.00
Akron Live Cord Reel 18"		0.00	\$196.95	\$787.80
AKRON AC ELSS-XLAC-ECRP18	10.00	20.00	\$1,900.00	\$3,800.00
		0.00	\$30.00	\$60.00
		0.00		\$0.00
	20.00	20.00	\$315.00	\$315.00
	20.00	40.00	\$105.00	\$210.00
	30.00	30.00	\$335.00	\$335.00
	9.50	570.00	\$2.41	\$144.60
	37.50	1125.00	\$4.82	\$144.60
	8.50	170.00	\$1.21	\$24.20
	23.25	279.00	\$4.96	\$59.52
	39.00	468.00	\$12.39	\$148.68
	46.50	558.00	\$12.39	\$148.68
	58.00	232.00	\$14.45	\$57.80
	11.63	279.12	\$2.48	\$59.52

	3.63	145.20	\$0.90	\$36.00
Buyers Holds 70,000lbs	7.35	14.70	\$72.50	\$145.00
		0.00		\$0.00
DOUBLE HEAD STAKE - SMOOTH	9.00	144.00	\$17.48	\$279.68
Hogan TENT STAKE CAP ((WHITE))		0.00	\$70.00	\$70.00
CTC-6005	340.00	340.00	\$8,250.00	\$8,250.00
CTC-503		0.00	\$795.00	\$3,180.00
	46.60	93.20	\$269.85	\$539.70
			\$1,939.00	\$1,939.00
paratech hitch base			\$680.59	\$680.59
paratech longshore strut 610		0.00	\$1,369.00	\$1,369.00
		0.00		\$0.00
Sterling NFPA 1/2" HTP Static	16.00	16.00	\$214.00	\$214.00
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Sterling NFPA 1/2" HTP Static	16.00	16.00	\$214.00	\$214.00
Sterling NFPA 1/2" HTP Static	16.00	16.00	\$214.00	\$214.00
Sterling NFPA 1/2" HTP Static	16.00	16.00	\$214.00	\$214.00
Sterling NFPA 1/2" HTP Static	24.00	24.00	\$214.00	\$214.00
Sterling NFPA 5/8" HTP Static	37.50	37.50	\$474.00	\$474.00
Sterling NFPA 5/8" HTP Static	37.50	37.50	\$474.00	\$474.00
Petzl Avao BOD Fast	5.41	21.64	\$583.00	\$2,332.00
Petzl Avao BOD Fast	5.41	21.64	\$583.00	\$2,332.00
Reach Rigging Pack		0.00	\$160.00	\$480.00
Petzl Vertex Best	1.00	6.02	\$120.00	\$720.00
Medium Blue		0.00	\$45.00	\$225.00
Large Blue		0.00	\$50.00	\$50.00
Supper Yellow		0.00	\$59.00	\$118.00
Blue		0.00	\$126.00	\$378.00

OPGF6LNFP A	0.29	10.44	\$32.30	\$1,162.80
CMI Rescue 8	0.50	3.00	\$50.65	\$303.90
SMC Compact U Rack	1.66	4.98	\$115.60	\$346.80
SMC 6 Bar Rack	1.83	5.49	\$121.30	\$363.90
CMC Steel	0.68	2.72	\$13.00	\$52.00
Petzl NFPA G	0.33	0.66	\$85.95	\$171.90
Petzl NFPA G Large Paw	0.77	0.77	\$96.95	\$96.95
Petzl NFPA G Medium	0.46	0.92	\$61.95	\$123.90
PMI etrier		0.00	\$32.25	\$193.50
CMC Patient Tie In System		0.00	\$226.00	\$452.00
CMC Patient Tie In System		0.00	\$226.00	\$452.00
SMC NFPA G 4" Double Pulley	2.50	10.00	\$185.00	\$740.00
SMC NFPA G 4" Single Pulley	1.43	11.44	\$93.30	\$746.40
Petzl NFPA G Minder Prussik Minding	0.65	1.30	\$82.95	\$165.90
Petzl NFPA G Twin Prussik Minding	1.00	4.00	\$137.00	\$548.00
SMC Flex Kit	0.28	1.68	\$35.70	\$214.20
PMI Edge Roller		0.00	\$220.00	\$880.00
LSP Cinch Rescue Collar		0.00	\$339.00	\$339.00
Petzl Kootenay Carriage	3.10	6.20	\$194.00	\$388.00
Conterra "Fix" Litter Harness	0.88	1.75	\$169.00	\$338.00
		0.00	\$30.00	\$30.00
		0.00		\$0.00
CMC Pick Off strap	0.28	1.65	\$48.00	\$288.00
PMI Industries Tractel Beam Clamp	12.00	12.00	\$125.00	\$125.00
CMC Spreader Bar	2.00	2.00	\$170.00	\$170.00
Bauman Screamer Suit	4.00	4.00	\$425.00	\$425.00
Petzl Absorbica Y w/MGO connector		0.00	\$222.00	\$666.00
CMC K9 Rappel Harness	2.00	2.00	\$186.00	\$186.00
Arizona Vortex AZV	100.00	100.00	\$4,595.00	\$4,595.00

	4.00	12.00	\$415.00	\$1,245.00
Rescue Clip w/ Extension pole	2.00	2.00	\$199.00	\$199.00
Stanley FATMAX Anti Vibe	1.38	1.38	\$25.99	\$25.99
F.H.UL Collapasable Rescue Shovel		0.00	\$20.99	\$41.98
F.H.UL Cable Cutter FHU-NCCC-28		0.00	\$89.99	\$89.99
F.H.UL FHU-VB-14		0.00	\$9.99	\$9.99
F.H.UL FHU-CB-51WP		0.00	\$39.99	\$39.99
Sears Crowbar		0.00	\$21.82	\$21.82
F.H.UL Pro Bar FHU-PB30		0.00	\$224.99	\$224.99
F.H.UL Jumbo Bar	13.00	13.00	\$294.00	\$294.00
Sears Pinch Bar		0.00	\$36.00	\$36.00
F.H.UL LS-8 FHU-LS-Axe		0.00	\$134.99	\$134.99
F.H.UL LS-6		0.00	\$134.99	\$134.99
F.H.UL FHU-DT-3		0.00	\$304.99	\$304.99
F.H.UL FHU-SHF	16.00	16.00	\$64.99	\$64.99
F.H.UL FHU-SHF	10.00	10.00	\$49.99	\$49.99
F.H.UL SHV-P-55		0.00	\$44.99	\$89.98
F.H.UL SHV-F-55		0.00	\$44.99	\$89.98
F.H.UL SHV-S		0.00	\$44.99	\$44.99
F.H.UL NY Roof FHU-RH		0.00	\$167.99	\$335.98
F.H.UL Colorado FHU-COLHOOK		0.00	\$169.00	\$169.00
F.H.UL NY Hook FHU-RH-8		0.00	\$174.99	\$349.98
F.H.UL NY Hook FHU-RH-10		0.00	\$249.99	\$249.99
F.H.UL FHU-FH		0.00	\$229.99	\$229.99
FHU-Georgia		0.00	\$169.99	\$169.99
Big Easy, Glow Wedge, Pouch		0.00	\$100.00	\$200.00
F.H.UL Hydra Ram		0.00	\$1,700.00	\$1,700.00
F.H.UL FHU-ULB-1		0.00	\$109.00	\$109.00

FHU-KTK		0.00	\$139.00	\$139.00
FHU-SK-1		0.00	\$6.00	\$24.00
FHU-ELEV-K		0.00	\$189.00	\$189.00
Stihl MS 661 Magnum 28"	16.50	16.50	\$1,259.95	\$1,259.95
3/8" RS3 93drive link		0.00	\$32.55	\$32.55
Cutters Edge MULTI-CUT	70.00	70.00	\$2,200.00	\$2,200.00
Stihl Complete Filing Kit		0.00	\$24.95	\$74.85
		0.00		\$0.00
Stihl Moto Mix Fuel		0.00	\$7.95	\$31.80
Stihl Bar Oil		0.00	\$12.99	\$12.99
Stihl Pro Mark Forestry Helmet		0.00	\$46.95	\$46.95
Stihl Pro Mark Chaps hi vis		0.00	\$112.95	\$112.95
Makitta JR3070CT	10.00	10.00	\$192.00	\$192.00
Makitta XRJ02	8.20	16.40	\$349.00	\$698.00
Makita BL 1830 18volt Li-Ion		0.00	\$166.00	\$332.00
Starrett 11452 BR61014-20		0.00	\$36.95	\$73.90
Husqvarna 760 w/ oil gard	21.60	21.60	\$1,237.00	\$1,237.00
Piraya Blade Team Rescue Tools		0.00	\$245.00	\$490.00
Warthog Blad		0.00	\$300.00	\$600.00
Milwaukee 6470-21	17.80	17.80	\$409.00	\$409.00
Diablo D1040W		0.00	\$35.00	\$70.00
AJAX x11	10.00	10.00	\$2,700.00	\$2,700.00
included		0.00		\$0.00
included		0.00		\$0.00
		0.00		\$0.00
		0.00		\$0.00
Arcair Slice 63991002	75.00	75.00	\$3,000.00	\$3,000.00
		0.00	\$15.90	\$31.80

		0.00	\$7.02	\$21.06
		0.00		\$0.00
Victor Heavy Duty Torch (Propylene)		0.00	\$700.00	\$700.00
Milwaukee 8" 6370-21	13.30	13.30	\$349.00	\$349.00
Diablo Do848F		0.00	\$51.47	\$102.94
Various Equipment		0.00	\$500.00	\$500.00
Sensit Combustible Gas Detector		0.00	\$412.00	\$412.00
Ampco Shovel With D handle		0.00	\$170.55	\$170.55
EF Johnson 800 Base Radio		0.00	\$4,500.00	\$4,500.00
EF Johnson VHF Base Radio		0.00	\$4,500.00	\$4,500.00
EF Johnson Dual Band Handheld		0.00	\$3,800.00	\$7,600.00
		0.00	\$750.00	\$750.00
Getac		0.00	\$6,000.00	\$6,000.00
Warn 16.5ti Thermometric winch	138.00	138.00	\$2,013.00	\$2,013.00
Warn Zeon 8 Multi-Mount Winch Kit	94.00	94.00	\$1,200.00	\$1,200.00
	24.00	48.00	\$185.00	\$370.00
Grip Hoist Tractel TU-32K 60'	59.50	59.50	\$4,027.00	\$4,027.00
7,100 lb safe working limit	9.00	36.00	\$30.80	\$123.20
15,000lb safe working limit	15.66	31.32	\$148.00	\$296.00
7,100 lb safe working limit	18.00	72.00	\$50.60	\$202.40
15,000lb safe working limit	31.32	62.64	\$196.00	\$392.00
7,100 lb safe working limit	30.00	60.00	\$77.00	\$154.00
15,000lb safe working limit	52.20	52.20	\$260.00	\$260.00
7,100 lb safe working limit		0.00	\$12.65	\$101.20
15,000lb safe working limit		0.00	\$94.00	\$376.00
8,000lb safe working limit	24.00	48.00	\$100.00	\$200.00
JET 680110 BRK-10T	88.00	88.00	\$310.00	\$310.00

Hi-Lift FR-485	30.20	60.40	\$249.00	\$498.00
Hi-Lift FR-605	33.30	66.60	\$259.00	\$518.00
JET AHJ 12 Series	28.00	28.00	\$239.00	\$239.00
JET JBJ-12	21.00	21.00	\$100.00	\$100.00
JET AHJ 20 Series	35.00	35.00	\$279.00	\$279.00
JET JBJ-22	44.20	44.20	\$180.00	\$180.00
Paratech US&R Lift bag kit half		0.00	\$19,368.99	\$19,368.99
Paratech 26 Ton Lift Kit		0.00	\$9,449.59	\$9,449.59
Akron 3 wrench set		0.00	\$300.00	\$300.00
Craftsman 42 piece 1/4 & 3/8 set		0.00	\$100.00	\$100.00
		0.00	\$27.00	\$108.00
		0.00	\$60.00	\$120.00
EX400 EB80600	68.00	136.00	\$2,050.00	\$4,100.00
FDT-1625BR		0.00	\$300.00	\$600.00
BG16		0.00		\$0.00
22oz		#REF!	\$184.99	\$739.96
22oz		#REF!	\$231.00	\$924.00
3' X 20' 22oz		#REF!	\$62.99	\$251.96
Flair Thermal Camera		0.00	\$6,800.00	\$6,800.00
SENSIT Gold G2 w/ cal kit		#REF!	\$2,700.00	\$2,700.00
box		#REF!	\$20.00	\$20.00
		#REF!	\$4.00	\$24.00
stanley		#REF!	\$40.00	\$40.00
3/8" 50'		0.00	\$30.00	\$120.00
		0.00	\$20.00	\$20.00

		#REF!	\$10.00	\$10.00
		#REF!	\$5.00	\$10.00
		#REF!	\$5.00	\$5.00
		0.00	\$20.00	\$80.00
		0.00	\$40.00	\$40.00
		0.00	\$10.00	\$10.00
Southwire multi meter 464310		#REF!	\$30.00	\$30.00
southwire voltage meter 464286		0.00	\$11.00	\$11.00
CMC Rescue Rope Log		0.00	\$12.00	\$120.00
Duo Safety Series 585-A	16.00	16.00	\$362.00	\$362.00
Duo Safety Series 35-B	47.00	47.00	\$560.00	\$560.00
Duo Safety 875-A Roof	39.00	39.00	\$376.00	\$376.00
Duo Safety 1200-A 2 Section	87.00	174.00	\$838.00	\$1,676.00
1AA Model 22	54.00	54.00	\$500.00	\$500.00
Force 6 RescueTec PFD (L/XL)		0.00	\$341.10	\$2,046.60
Force 6 RescueTec PFD (S/M)		0.00	\$341.10	\$682.20
NRS Chaos		0.00	\$59.95	\$479.60
NRS Pro Rescue Throw Bag		0.00	\$72.90	\$583.20
NRS Pilot Knife		0.00	\$45.00	\$360.00
Emergency Strobe Light		0.00	\$19.99	\$159.92
		0.00		\$0.00
USC Approved Strobe light		0.00	\$20.00	\$160.00
NRS Tow Tether		0.00	\$30.00	\$240.00
long section, cut our own		0.00	\$50.00	\$50.00
Fox 40		0.00	\$7.00	\$56.00
NRS Storm Boot (Various Sizes)		0.00	\$139.50	\$837.00
Mustang MSD576		0.00	\$1,000.00	\$6,000.00

Sterling 7/16" Waterline Yellow	12.90	12.90	\$228.00	\$228.00
Stearns 24" Ring Buoy		0.00	\$78.60	\$78.60
LSP Cinch Rescue Collar		0.00	\$322.99	\$322.99
SCOTT RIT PAK III	20.00	20.00	\$3,600.00	\$3,600.00
		0.00	\$1,250.00	\$5,000.00
SCOTT Mobile Air Cart 805827-01	46.00	46.00	\$2,500.00	\$2,500.00
SKA-PAK Plus supplied air resp.		0.00	\$2,200.00	\$8,800.00
30010-100 Hansen Supply Line		0.00	\$330.00	\$1,980.00
Ferno NAJO Lite		0.00	\$142.00	\$142.00
		0.00	\$142.00	\$284.00
		0.00	\$30.00	\$120.00
MedSpec Prosplint Kit		0.00	\$388.00	\$388.00
Ferno KED		0.00	\$124.00	\$124.00
Laerdal suction w/ bemis canister		0.00	\$995.00	\$995.00
Masimo Rad 57		0.00	\$897.00	\$897.00
		0.00	\$200.00	\$200.00
Junkin Plastic Breakaway	32.00	32.00	\$874.00	\$874.00
Junkin Flotation Kit	3.00	3.00	\$409.00	\$409.00
PMI Classic Spyder		0.00	\$91.00	\$182.00
		0.00	\$591.60	\$591.60
		0.00	\$20.00	\$20.00
		0.00	\$32.29	\$32.29
CMC Litter Pack	0.78	2.00	\$76.00	\$152.00
Mountain Tek	2.75	4.00	\$40.00	\$160.00
Various Cases and mounting equipment		1.00	\$0.00	\$3,500.00
		0.00		\$0.00
3% Pricing Increase from NOV. 2016		0.00		\$6,081.79

	0.00		\$0.00
Total:	#REF!	Total:	\$214,658.43

Internet Link

<http://www.streamlight.com/en-us/product/product.html?pid=147>

pye barker
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<http://www.awdirect.com/aluminum-scotch-blocks-large-15-1-4quotd-x-8-1-2quoth-x-8-1-2quotw/wheel-chocks/>

<http://www.hogantentstakes.com/products/202>

<http://www.hogantentstakes.com/products/133>

<http://www.awdirect.com/gojak-6200-vehicle-moving-jack-g6200/gojaks-and-accessories/>

the fire store.com

the fire store.com

the fire store.com

<http://supercliprescue.com/>

<http://www.firehooksunlimited.net/products.html>

Sears

<http://www.firehooksunlimited.net/probars.html>

Sears

<http://www.firehooksunlimited.net/axes.html>

<http://www.firehooksunlimited.net/axes.html>

<http://www.firehooksunlimited.net/shovels.html>

<http://www.firehooksunlimited.net/shovels.html>

<http://www.firehooksunlimited.net/hooks.html>

<http://www.firehooksunlimited.net/hooks.html>

<http://www.firehooksunlimited.net/hooks.html>

<http://www.firehooksunlimited.net/hooks.html>

<http://www.firehooksunlimited.net/hydraram.html>

Big Ridge Power Equipment
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Husqvarna.com
Teamrescuestore.com
thewarthog.com

Andy Oxy
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Andy Oxy

Homedepot.com

Sensit Technologies

American Cable & Rigging

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the fire store.com
the fire store.com

Sears

http://www.euramcosafety.com/catalog/Current_Catalog.pdf#page=23

safety4less.com eramco ramfan

fire craft safety

galls

lowes

lowes

Mountain Tek

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The information I found came from different web sites

NIOSH Reports on MVC

Fire apparatus magazine on line

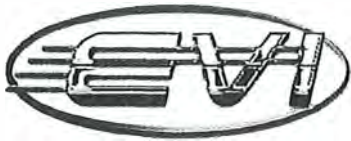
[Firehouse](#) magazine on line

<http://www.firehall.com/forum/archive/index.php/t-6161.html>

Several commercial truck websites.

Custom chassis manufacturer

The difference in a similar commercial chassis is about \$30,000



Emergency Vehicles, Inc.

Building Custom Emergency Vehicles Since 1971!

Team Approach | Value Engineering

Proposal

To:
City of Brevard Fire Department
95 West Main Street
Brevard, North Carolina 28712

Date: 09/15/2017

Quote No.: BREVARDFDNC-0001

Submitted By: Lee Potter

Authorized By: *E. J. Young*

We hereby propose to furnish to you the following unit(s) and equipment to be built in accordance with the attached specifications. Acceptance of this proposal shall be deemed as approved of all terms herein. We reserve the right to withdraw this proposal if not accepted within 45 days from the above date.

Qty.	Description	Unit Price	Extension
1	2018 Spartan Gladiator EVI 22-Ft Non-Walk-In Rescue Truck	\$ 604,220.00	\$ 604,220.00
		Sub-Total	\$ 604,220.00
		Taxes	0
		TOTAL	\$ 604,220.00

F.O.B. BREVARD, NORTH CAROLINA

1. **TERMS OF PAYMENT:** Progress payment (\$293,632.00) due upon receipt of chassis at EVI Factory.
Balance payable upon delivery and acceptance.

- Late Payment Charges: 18% APR or maximum legal finance charge starts from date of completion.
- Certificate of Origin (if applicable) will be issued upon receipt of payment in full.

2. **DELIVERY SCHEDULE:** The Rescue Truck shall be completed approximately 180 to 210 working days from receipt of chassis and approved construction drawings at the Company's factory location in Palm Beach County, Florida.

WARRANTY: Company warrants the new emergency vehicle against defective workmanship and materials. See attached warranty statements for specific coverage and procedure.

CONTINGENCIES: Company shall have no liability to Buyer for any loss or damage arising directly or indirectly from any delay in delivery due to strikes, inability to obtain materials, fires, accidents, or any other causes beyond the Company's control.

DISCLAIMER OF CONSEQUENTIAL DAMAGES: Company expressly disclaims any liability for consequential or incidental damages which may be sustained by Buyer, including but not limited to those arising from the use, inability to use, maintenance or repair of the emergency vehicle, whether under theories of breach of expressed or implied warranty, negligence, strict liability or otherwise.

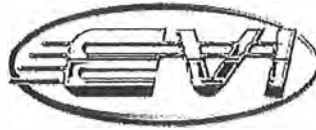
CANCELLATION: This contract is subject to cancellation by Buyer only upon payment to Company of reasonable cancellation charges, which shall take into account expenses already incurred and commitments made by Company and Company's anticipated profit.

LIQUIDATION DAMAGES: Buyer and Seller agree that if the Buyer requests the work on the vehicle to be temporarily halted or suspended, for any reason that damages would be difficult to ascertain. Therefore, the parties agree to liquidated damages of \$100.00 per day to compensate the Company for expenses, damages and administration.

SEVERABILITY: If any part hereof is contrary to, prohibited by, or deemed invalid under applicable laws or regulations, such provision shall be deemed inapplicable and deemed omitted to the extent so contrary, prohibited or invalid, but the remainder shall not be invalidated and shall be given effect so far as possible.

705 13th Street | Lake Park, FL 33403-2303

Tel: 800-848-6652 | Fax: 561-848-6658 | sales@evi-fl.com | www.evi-fl.com



www.evi-fl.com

Pre-Payment Discount Options

The following payment schedule is being offered to help lower the vehicle cost... it is **not** mandatory.
Savings is based on receiving pre-payment with contract / purchase order.

Agency: City of Brevard Fire Department

Date: September 15, 2017

Based on a Sales Price of: \$604,220.00

Option No.	Percentage	Pre-Pay Amount with Order	Savings	New Vehicle Cost (Excluding Taxes)
1.	50%	\$302,110.00	(\$6,381.00)	\$597,839.00
2.	75%	\$453,165.00	(\$15,445.00)	\$588,775.00
3.	90%	\$543,798.00	(\$20,883.00)	\$583,337.00

Respectfully Submitted,

Emergency Vehicles, Inc.

Authorized By:

Title: President

Print Form

Quotation

			Description	Qty.
VEHICLE				
S	0100-012	MODEL	Gladiator	1
O	8012-028	CUSTOMERS / OEMS	Emergency Vehicles, Inc. (EVI) (EME1002)[1003049]	1
S	8011-018	MODEL YEAR	Model Year - 2018	1
S	8001-001	COUNTRY OF SERVICE	Country of Service United States Of America	1
S	8017-001	CAB AND CHASSIS LABELING LANGUAGE	Cab and Chassis Labeling Language English	1
S	8006-007	APPARATUS TYPE	Apparatus Type Rescue	1
S	8008-001	VEHICLE TYPE	Vehicle Type Straight Truck	1
S	0104-001	AXLE CONFIGURATION	Axle Configuration 4x2 (Rear Axle Drive Only)	1
O	0101-004	GROSS AXLE WEIGHT RATINGS FRONT	GAWR Front 21500#	1
O	0102-004	GROSS AXLE WEIGHT RATINGS REAR	GAWR Rear 27000#	1
CAB				
O	1000-013	CAB STYLE	Cab Style EMFD 10" Raised Roof	1
O	8101-105	OCCUPANT PROTECTION	Occupant Protection Advanced Protection System	1
S	1501-002	CAB FRONT FASCIA	Cab Frt Fascia Classic	1
O	1518-030	FRONT GRILLE	Cab Frt Grille Hinged Classic Styled For Roto-Ray	1
S	1551-002	CAB UNDERCOAT	Cab Undercoat	1
S	1552-002	CAB SIDE DRIP RAIL	Cab Side Drip Rail	1
O	1521-002	CAB PAINT EXTERIOR	Cab Paint Exterior Two Tone	1
S	1533-001	CAB PAINT MANUFACTURER	Cab Paint Manufacturer PPG	1
A	1522QXX	CAB PAINT PRIMARY/LOWER COLOR	Cab Paint Primary/Lower Color PPG Red FBCH 75386	1
A	1523QXX	CAB PAINT SECONDARY/UPPER COLOR	Cab Paint Sec/Upper Color PPG White FBCH 901502	1
O	1524-002	CAB PAINT EXTERIOR BREAKLINE	Cab Paint Exterior Breakline Classic	1
O	1515-005	CAB PAINT PINSTRIPE	Cab Paint Pinstripe 1/2" Black Temporary	1
S	8013-038	CAB PAINT WARRANTY	Cab Paint Warranty 2018 (10) Year/100,000 Miles	1
O	1334-030	CAB PAINT INTERIOR	Cab Paint Int Spar-Liner Blk	1
O	1005-001	CAB ENTRY DOORS	Cab Entry Doors (4)	1
S	1101-101	CAB ENTRY DOOR TYPE	Cab Entry Door Type Full Length w/Pollak Switches	1
S	1322-002	CAB INSULATION	Cab Insulation	1
S	8004-024	CAB STRUCTURAL WARRANTY	Cab Structural Warranty 2018 (10) Year/100,000 Miles	1
S	9001-006	CAB TEST INFORMATION	Cab Test Information Crash Test ECE-R29/SAE J2420/SAE J2422	1
ELECTRICAL POWER DISTRIBUTION				
O	5000-019	ELECTRICAL SYSTEM	Elec System 12V DC Conventional Wiring	1
O	5004-003	LOAD MANAGEMENT SYSTEM	Load Management System Class 1 Total System Manager	1
O	5622-010	DATA RECORDING SYSTEM	Data Recording Sys Vehicle Data Weldon w/Remote USB Data	1

			Link	
O	5004A-001	LOAD MANAGEMENT SYSTEM FAMILY	LOAD MANAGEMENT SYSTEM CLASS 1 TSM	1
S	5031-005	ACCESSORY POWER	Accessory Pwr & Gnd Stud 40A Batt Dir & 15A Ign Sw & 225A Batt Dir OEM Conn	1
O	5030-004	AUXILIARY ACCESSORY POWER	Aux Acc Pwr & Gnd Stud Drv Underseat Strg Cmpt 40A Mstr Sw	1
O	5032-006	ADDITIONAL ACCESSORY POWER	Addl Acc Pwr & Gnd Stud Off Underseat Strg Cmpt 40A Mstr Sw	1
S	5011-001	EXTERIOR ELECTRICAL TERMINAL COATING	Exterior Electrical Terminal Coating Spray On Plasti Dip	1

ENGINE

O	1701-160	ENGINE	Engine Diesel 565HP Cummins X15 - EPA 2017	1
S	1329-002	CAB ENGINE TUNNEL	Cab Engine Tunnel Large	1
S	1731-002	DIESEL PARTICULATE FILTER CONTROLS	DPF Ctrl Regeneration Sw & Inhibit Sw	1
S	1718-002	ENGINE PROGRAMMING HIGH IDLE SPEED	Engine Programming High Idle Speed 1250 RPM	1
O	1719-002	ENGINE HIGH IDLE CONTROL	Engine High Idle Ctrl Manual	1
S	1710-001	ENGINE PROGRAMMING ROAD SPEED GOVERNOR	Engine Programming Road Speed Governor Enabled	1
O	1713-010	AUXILIARY ENGINE BRAKE	Aux Engine Brake Compression Brake w/VG Turbo	1
O	1708-005	AUXILIARY ENGINE BRAKE CONTROL	Aux Engine Brake Ctrl Off/Low/High Sw Pnl	1
S	1720-003	ELECTRONIC ENGINE OIL LEVEL INDICATOR	Elec Engine Oil Level Indicator	1
O	1715-004	FLUID FILLS	Fluid Fills Fwd For Large Displacement Cap	1
S	1735-001	ENGINE DRAIN PLUG	Engine Drain Plug	1
S	8002-001	ENGINE WARRANTY	Engine Warranty Cummins (5) Year/100,000 Miles	1
S	1721-001	ENGINE PROGRAMMING REMOTE THROTTLE	Engine Program Rmt Throttle Off	1
S	1727-001	ENGINE PROGRAMMING IDLE SPEED	Engine Programming Idle Speed 700 RPM	1

COOLING

S	2704-002	ENGINE FAN DRIVE	Engine Fan Drive Clutch	1
O	2701-018	ENGINE COOLING SYSTEM	Engine Cooling Sys Serial Flow Large/Package Drop-Out Prov/Rwd Sight Glass	1
S	2711-005	ENGINE COOLING SYSTEM PROTECTION	Engine Cooling System Protection Light Duty Skid Plate Paint Frame Color	1
S	2708-001	ENGINE COOLANT	Engine Coolant Extended Life	1
O	2707-002	ENGINE COOLANT FILTER	Engine Coolant Filter	1
S	2706-003	ELECTRONIC COOLANT LEVEL INDICATOR	Elec Low Coolant Level Indicator	1
S	2709-004	COOLANT HOSES	Coolant Hoses Silicone Heater & Radiator w/Cab Int Rubber Hoses	1

AIR INTAKE

S	2801-009	ENGINE AIR INTAKE	Engine Air Intake Filtration and Restriction w/SS Housing &	1
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			Replaceable Element	
S	2802-003	AIR INTAKE PROTECTION	Air Intake Protection Light Duty Skid Plate Painted Frame Color	1

EXHAUST

S	2901-068	ENGINE EXHAUST SYSTEM	Eng Exhaust Sys Under Frm RH Single Module Aftertreatment Inboard	1
O	2907-003	DIESEL EXHAUST FLUID TANK	Diesel Exhaust Fluid Tank LH 6 Gal Fill Thru Rr Step	1
S	2902-010	ENGINE EXHAUST ACCESSORIES	Engine Exh Acc Exh Temp Mitigation	1
S	2906-002	ENGINE EXHAUST WRAP	Engine Exhaust Wrap	1

TRANSMISSION

O	1801-018	TRANSMISSION	Transmission Allison 4000 EVS w/Retarder	1
O	1806-005	TRANSMISSION MODE PROGRAMMING	Transmission Mode Programming 4th Startup/5th & 6th Mode	1
S	1811-005	TRANSMISSION FEATURE PROGRAMMING	Transmission Feature Programming Allison Gen V-E I/O Package 227/Rescue	1
S	1815-002	ELECTRONIC TRANSMISSION OIL LEVEL INDICATOR	Elec Transmission Oil Level Indicator	1
S	1807-005	TRANSMISSION SHIFT SELECTOR	Transmission GEN V-E Shift Sel Key Pad/Push Button	1
O	1812-020	TRANSMISSION RETARDER CONTROL	Trans Ret Ctrl 1/3 Throttle 2/3 Brk	1
O	1816-004	TRANSMISSION RETARDER CAPACITY LEVEL	Transmission Retarder Capacity Level High	1
S	1814-002	TRANSMISSION PRE-SELECT WITH AUXILIARY BRAKE	2nd Gear Pre-Select	1
S	1808-007	TRANSMISSION COOLING SYSTEM	Transmission Cooling System	1
S	1817-001	TRANSMISSION DRAIN PLUG	Transmission Drain Plug	1
S	8005-001	TRANSMISSION WARRANTY	Transmission Warranty Allison (5) Year	1

POWER TAKE OFF

O	2005-008	PTO LOCATION	PTO Location 8:00/1:00	1
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DRIVELINE

O	3001-002	DRIVELINE	Driveline Spicer 1810	1
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FUEL SYSTEMS

O	3109-053	FUEL FILTER/WATER SEPARATOR	Fuel Filter/Wtr Separator Racor S3238 Htd w/Lt & Alarm	1
O	3111-002	FUEL LINES	Fuel Lines Wire Braid	1
S	3103-008	ELECTRIC FUEL PRIMER	Electric Fuel Primer Engine Sply Electric Lift Pump	1
O	3112-013	FUEL COOLER	Fuel Cooler Behind Rear Axle Raised	1
O	3101-102	FUEL TANK	Fuel Tank 68 Gallon	1
S	3130-001	FUEL TANK MATERIAL AND FINISH	Fuel Tank Material Steel & Finish Painted Frame Color	1
S	3131-001	FUEL TANK STRAP MATERIAL AND FINISH	Fuel Tank Strap Material Steel & Finish Painted Frame Color	1
O	3102-016	FUEL TANK FILL PORT	Fuel Tank Fill Port LH Mid/RH Mid/LH Fwd	1
O	3114-002	FUEL TANK SERVICEABILITY	Fuel Tank Serviceability Prov 8' Fuel Line Extension	1

PROVISIONS

S	3115-001	FUEL TANK DRAIN PLUG	Fuel Tank Drain Plug	1
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FRONT AXLE

O	2401-004	FRONT AXLE	Frt Axle Meritor MFS 21500# Beam	1
S	8059-014	FRONT AXLE WARRANTY	Front Axle Warranty Meritor 2018	1
S	2405-001	FRONT WHEEL BEARING LUBRICATION	Frt Wheel Bearing Lube Oil	1

FRONT SUSPENSION

S	2502-002	FRONT SHOCK ABSORBERS	Frt Shock Absorbers Bilstein	1
O	2501-006	FRONT SUSPENSION	Frt Suspension 9 Leaf 20000-21500#	1

STEERING

S	2601-006	STEERING COLUMN/WHEEL	Steering Column/Wheel Tilt/Telescopic 18" 4 Spoke	1
S	2609-002	ELECTRONIC POWER STEERING FLUID LEVEL INDICATOR	Elec Power Steering Fluid Level Indicator	1
S	2603-011	POWER STEERING PUMP	Power Steering Pump TRW w/Passive Cooler	1
O	2606-009	FRONT AXLE CRAMP ANGLE	Front Axle Cramp Angle 48L/44R Degrees	1
O	2610-005	POWER STEERING GEAR	Power Steering Gear TRW TAS 85 w/Assist	1
S	2608-001	CHASSIS ALIGNMENT	Chassis Alignment	1

REAR AXLE

O	3401-004	REAR AXLE	Rear Axle 27000# Meritor RS-26-185	1
S	3403-001	REAR AXLE DIFFERENTIAL LUBRICATION	Rear Axle Differential Lubrication Oil	1
S	8061-011	REAR AXLE WARRANTY	Rear Axle Warranty Meritor 2018	1
S	3411-001	REAR WHEEL BEARING LUBRICATION	Rear Wheel Bearing Lubrication Oil	1
O	3407-002	REAR AXLE DIFFERENTIAL CONTROL	Rear Axle Differential Ctrl DCDL	1
O	3408-008	VEHICLE TOP SPEED	Vehicle Top Speed 68 MPH	1

REAR SUSPENSION

O	3501G-001	REAR SUSPENSION AUX SPRING	REAR SUSPENSION AUX SPRING	1
O	3501-046	REAR SUSPENSION	Rear Susp Reyco 79KB 27000# Parabolic 4 Leaf w/Helper	1
O	3503-002	REAR SHOCK ABSORBERS	Rear Shock Absorbers Bilstein	1

TIRES

O	3601-063	FRONT TIRE	Frt Tire 425/65R 22.5 Michelin XZY3	2
O	3602-010	REAR TIRE	Rear Tire 12R 22.5 Michelin XZE	4
O	3413-538	REAR AXLE RATIO	Rear Axle Ratio 5.38	1
S	3614-030	TIRE PRESSURE INDICATOR	Tire Pressure Ind Frt & Rr LED	1

WHEELS

O	3701-015	FRONT WHEEL	Frt Wheel Accuride 22.5 x 12.25 Steel	2
O	3703-024	REAR WHEEL	Rr Whl Accuride 22.5 x 8.25 Heavy Duty Steel	4
O	3710-053	WHEEL PAINT	Wheel Paint Primary/Lower Cab Color	1
O	3719-002	BALANCE WHEELS AND TIRES	Balance Wheels & Tires	1
O	3702-002	WHEEL TRIM	Wheel Trim Hub & Nut Covers SS Shiploose	1

TIRE CHAINS

O	3801-005	TIRE CHAINS	Tire Chains Rear Axle Insta-Chains 12 Strand Auto	1
O	3802-002	TIRE CHAINS ACTIVATION	Tire Chains Actv Rkr Sw	1

BRAKES

O	3205-012	BRAKE SYSTEM	Brake System ABS/ATC/ESC Sgl Axle	1
O	3206-003	FRONT BRAKES	Frt Brakes Meritor EX225 Disc 17"	1
O	3207-003	REAR BRAKES	Rr Brakes Meritor EX225 Disc 17"	1
S	3208-001	PARK BRAKE	Prk Brake Rr Wheels Only	1
O	3204-004	PARK BRAKE CONTROL	Prk Brake Ctrl Ctr Tunnel Mnt w/Guard	1
S	3202-005	AIR DRYER	Air Dryer Wabco System Saver 1200 Bhd LH Batt Box	1
O	3215-004	FRONT BRAKE CHAMBERS	Frt Brake Chambers MGM Type 24 Long Stroke	1
O	3210-023	REAR BRAKE CHAMBERS	Rr Brake Chambers TSE 24/30 H.O.T.	1

AIR SUPPLY SYSTEMS

S	3320-001	AIR COMPRESSOR	Air Compressor Wabco SS318 18.7 CFM	1
S	3339-004	AIR GOVERNOR	Air Governor Mnt on Air Dryer Bracket	1
O	3303-009	MOISTURE EJECTORS	Moisture Ejectors w/Cable/Auto Htd Wet Tank	1
S	3307-001	AIR SUPPLY LINES	Air Sply Lines Nylon	1
O	3309-033	AIR INLET CONNECTION	Air Inlet Connection	1
O	3349-002	AIR INLET LOCATION	Air Inlet Location LH Lwr Frt Step Fwd	1
O	3324-002	AIR INLET SHUTOFF VALVE	Air Inlet Shutoff Valve 1/4 Turn	1
O	3326-002	AIR INLET/OUTLET FITTING TYPE	Air Inlet/Outlet Manual Conn Tru-Flate Interchange 1/4"	1
S	3338-002	REAR AIR TANK MOUNTING	Rear Air Tank Mnt Any Bhd Rear Axle Perpendicular w/Frame	1

FRAME

O	2103-232	WHEELBASE	Wheelbase 232.0"	1
O	2106-048	REAR OVERHANG	Rear Overhang 48.0"	1
O	2101-002	FRAME	Frame Double Channel 35.00" Width	1
S	8007-021	FRAME WARRANTY	Frame Warranty Lifetime 2018	1
S	2110-101	FRAME PAINT	Frame Paint Powder Coat Black	1

BUMPER

O	2201-002	FRONT BUMPER	Frt Bumper Structural Steel Channel Severe Duty	1
O	2202-005	FRONT BUMPER EXTENSION	Frt Bumper Extension Length 21"	1

O	1530-006	UNDER CAB INSULATION	Under Cab Insulation Eng Tnl & Cab Floor w/Expanded Alum Floor & Tnl	1
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CAB INTERIOR

S	1327-001	INTERIOR TRIM FLOOR	Interior Trim Floor	1
S	1302-001	INTERIOR TRIM	Interior Trim Vinyl	1
S	1368-002	REAR WALL INTERIOR TRIM	Rear Wall Interior Trim Vinyl	1
O	1306-006	HEADER TRIM	Header Trim XDuty	1
O	1305-013	TRIM CENTER DASH	Trim Center Dash XDuty Deluxe	1
O	1339-102	TRIM LEFT HAND DASH	Trim LH Dash XDuty	1
O	1321-004	TRIM RIGHT HAND DASH	Trim RH Dash XDuty Glove Cmpt/MDT Prov	1
S	1307-002	ENGINE TUNNEL TRIM	Eng Tnl Trim Flr Mat	1
O	5040-085	POWER POINT DASH MOUNT	Pwr Pnt Dash Mnt Batt Dir (2) Sw Pnl/(2) Dual USB Blue Sea 2.1A Sw Pnl	1
O	5044-007	AUXILIARY POWER POINT REAR CREW	Aux Pwr Pnt Rr Crew Batt Dir (2) FFC Seat Box Ctr	1
S	1303-017	STEP TRIM	Step Trim Grip Strut Lwr Flex-Tred Mid	1
O	1336-002	STEP TRIM KICKPLATE	Step Trim Kickplate Treadplate	1
O	1379-004	UNDER CAB ACCESS DOOR	Under Cab Access Door Rear Step LH Tread Plate	1
S	1102-013	INTERIOR DOOR TRIM	Interior Door Trim Painted	1
O	1328-007	DOOR TRIM SCUFF PLATE	Door Trim Scuff Plate Door Jamb Wrap Around	1
S	1323-001	DOOR TRIM CUSTOMER NAMEPLATE	Door Trim Customer Nameplate	1
O	1105-017	CAB DOOR TRIM REFLECTIVE	Cab Dr Trim Reflective Vert Stripe/12" Stop/6" Red/Yellow Chevron w/Logo	1
S	1308-001	INTERIOR GRAB HANDLE "A" PILLAR	Interior Grab Handle 'A' Pillar 11" Molded	1
S	1332-008	INTERIOR GRAB HANDLE FRONT DOOR	Interior Grab Handle Frt Door Horiz 9"	1
O	1345-002	INTERIOR GRAB HANDLE REAR DOOR	Int Grab Handle Rr Dr Alum Window Span 30" Black Powder Coat	1
S	1301-003	INTERIOR SOFT TRIM COLOR	Interior Soft Trim Color Gray	1
S	1337-001	INTERIOR TRIM SUNVISOR	Interior Trim Sunvisor Vinyl	1
O	1304-002	INTERIOR FLOOR MAT COLOR	Interior Floor Mat Color Black	1
O	1335-012	CAB PAINT INTERIOR DOOR TRIM	Cab Paint Int Dr Trim Spar-Liner Black	1
O	1371-012	HEADER TRIM INTERIOR PAINT	Header Trim Interior Paint Spar-Liner Black	1
O	1370-013	TRIM CENTER DASH INTERIOR PAINT	Trim Center Dash Interior Paint Spar-Liner Black	1
O	1378-013	TRIM LEFT HAND DASH INTERIOR PAINT	Trim LH Dash Interior Paint Spar-Liner Black	1
O	1373-013	TRIM RIGHT HAND DASH INTERIOR PAINT	Trim RH Dash Interior Paint Spar-Liner Black	1
S	1344-002	DASH PANEL GROUP	Dash Pnl Group 3-Pnl	1
O	1312-022	SWITCHES CENTER PANEL	Switches Ctr Pnl 20 (12+8) LH	1
O	1313-031	SWITCHES LEFT PANEL	Switches Left Pnl 11 (6+5) w/Headlight/Dimmer/Wiper	1
O	1314-024	SWITCHES RIGHT PANEL	Switches Right Pnl 3 Up LH	1

LENGTH				
O	2206-001	FRONT BUMPER PAINT	Frt Bumper Paint Primary/Lower Cab Color	1
O	2208-006	FRONT BUMPER APRON	Frt Bumper Apron For 21" Extension	1
O	2211-005	FRONT BUMPER COMPARTMENT CENTER	Frt Bumper Cmpt Ctr Winch Access w/Cover	1
O	2210-004	FRONT BUMPER COMPARTMENT COVER HARDWARE	Frt Bumper Cmpt Cover Hardware Gas Cylinder/Flush Latch	1
O	5503-022	MECHANICAL SIREN	Mechanical Siren Federal Signal Q2B Pedestal Mnt	1
O	2218-002	MECHANICAL SIREN LOCATION	Mech Siren Location Frt Bmpr Apron LH OB	1
O	5501-003	AIR HORN	Air Horn (2) 24" Round Grover	1
O	2216-010	AIR HORN LOCATION	Air Horn Location (2) Frt Bmpr Face R/L IB	1
O	2232-002	AIR HORN RESERVOIR	Air Horn Reservoir (1) 1200 Cu In	1
O	5504-068	ELECTRONIC SIREN SPEAKER	Elect Siren Speaker (2) 100W Whelen SP123BMC	1
O	2217-011	ELECTRONIC SIREN SPEAKER LOCATION	Elec Siren Speaker Location (2) Frt Bmpr Face R/L OB	1
O	2204-013	FRONT BUMPER TOW EYES	Frt Bumper Tow Eyes 3" Painted Through	1
O	2231-002	TOW FORK PROVISION	Tow Fork Provision	1

CAB TILT

S	2301-001	CAB TILT SYSTEM	Cab Tilt System	1
O	2303-003	CAB TILT LIMIT SWITCH	Cab Tilt Limit Sw Preset Limit	1
O	2305-003	CAB TILT CONTROL RECEPTACLE	Cab Tilt Ctrl Receptacle For Customer Install In Body	1
O	2307-003	CAB TILT NOISE DAMPENER	Cab Tilt Noise Dampener Spray-On	1
S	2306-002	CAB TILT LOCK DOWN INDICATOR	Cab Tilt Lock Down Indicator	1

CAB GLASS

S	1401-009	CAB WINDSHIELD	Cab Windshield	1
O	1402-002	GLASS FRONT DOOR	Glass Frt Dr Pwr	1
O	1407-002	GLASS TINT FRONT DOOR	Glass Tint Frt Dr Automotive Dark Gray	1
O	1419-008	GLASS REAR DOOR RIGHT HAND	Glass Rr Dr RH Pwr	1
O	1430-002	GLASS TINT REAR DOOR RIGHT HAND	Glass Tint Rr Door RH Automotive Dark Gray	1
O	1412-008	GLASS REAR DOOR LEFT HAND	Glass Rr Dr LH Pwr	1
O	1431-002	GLASS TINT REAR DOOR LEFT HAND	Glass Tint Rr Door LH Automotive Dark Gray	1
O	1410-003	GLASS SIDE MID RIGHT HAND	Glass Side Mid RH Fxd 16"W x 26"H	1
O	1432-002	GLASS TINT SIDE MID RIGHT HAND	Glass Tint Side Mid RH Automotive Dark Gray	1
O	1409-003	GLASS SIDE MID LEFT HAND	Glass Side Mid LH Fxd 16"W x 26"H	1
O	1433-002	GLASS TINT SIDE MID LEFT HAND	Glass Tint Side Mid LH Automotive Dark Gray	1

CLIMATE CONTROL

O	1614-101	CLIMATE CONTROL	Climate Ctrl Htr Defroster Frt Ovrhd/Htr A/C Tunnel Mnt	1
O	1632-002	CLIMATE CONTROL DRAIN	Climate Control Drain Gravity	1
O	1617-101	CLIMATE CONTROL ACTIVATION	Climate Ctrl Actv Device Mnt Ovrhd/Device Mnt Tunnel	1
O	1603-003	A/C CONDENSER LOCATION	A/C Condenser Location Roof Mnt Fwd Ctr	1
O	1601-001	A/C COMPRESSOR	A/C Compressor Large Capacity	1

CAB SEATS

O	1225-018	SEAT BELT WARNING	Seat Belt Warn Indv Seat Loc & LED Display w/VDR Weldon	1
S	1237-001	SEAT MATERIAL	Seat Material Ballistic	1
S	1243-001	SEAT COLOR	Seat Color Gray/Red Seat Belts	1
A	1249QXX	SEAT BACK LOGO	Seat Back Logo Brevard Fire Department	6
O	1201-022	SEAT DRIVER	Seat Driver Bostrom Firefighter 4-Way Air ABTS	1
O	1213-024	SEAT BACK DRIVER	Seat Back Driver Non-SCBA ABTS Reclining	1
S	1219-001	SEAT MOUNTING DRIVER	Seat Mounting Driver	1
S	8102-103	OCCUPANT PROTECTION DRIVER	Occupant Protection Driver Advanced Protection System	1
O	1202-005	SEAT OFFICER	Seat Officer Bostrom Firefighter 2-Way Manual ABTS	1
O	1214-002	SEAT BACK OFFICER	Seat Back Officer SCBA Zico ULL Bracket w/LLS Strap	1
O	1220-004	SEAT MOUNTING OFFICER	Seat Mounting Officer Rwd 4"	1
S	8103-103	OCCUPANT PROTECTION OFFICER	Occupant Protection Officer Advanced Protection System	1
O	1273-001	SEAT BELT ORIENTATION CREW	Seat Belt Orientation Crew Outboard Shoulder To Inboard Hip	1
O	1263-001	SEAT REAR FACING OUTER LOCATION	Seat RFO Location (2) R/L	1
O	1203-009	SEAT CREW REAR FACING OUTER	Seat Crew RFO Bostrom Firefighter Fixed	2
O	1215-002	SEAT BACK REAR FACING OUTER	Seat Back RFO SCBA Zico ULL Bracket w/LLS Strap	2
O	1221-010	SEAT MOUNTING REAR FACING OUTER	Seat Mounting RFO LH Seat MTG/RH Rwd 3.75"	1
O	8104-103	OCCUPANT PROTECTION RFO	Occupant Protection RFO Advanced Protection System	1
O	1266-001	SEAT FORWARD FACING CENTER LOCATION	Seat FFC Location (2) Ctr	1
O	1206-012	SEAT CREW FORWARD FACING CENTER	Seat Crew FFC Bostrom Firefighter Flip-Up	2
O	1218-002	SEAT BACK FORWARD FACING CENTER	Seat Back FFC SCBA Zico ULL Bracket w/LLS Strap	2
O	8107-102	OCCUPANT PROTECTION FFC	Occupant Protection FFC Advanced Protection System	1
O	1269-101	SEAT FRAME FORWARD FACING	Seat Frm Fwd Fcg Dual	1
O	1281-101	SEAT FRAME FORWARD FACING STORAGE ACCESS	Seat Frm Fwd Fcg Strg Acc Dr (2) R/L Sd	1
O	1224-002	SEAT MOUNTING FORWARD FACING CENTER	Seat Mounting Forward Facing Center	1
O	1311-106	CAB FRONT UNDERSEAT STORAGE ACCESS DOOR	Cab Frt Undrst Strg Acc Dr RH	1
O	1355-015	SEAT COMPARTMENT DOOR FINISH	Seat Compartment Door Finish Spar-Liner Black	1

CAB EXTERIOR

S	1511-003	WINDSHIELD WIPER SYSTEM	Windshield Wiper System Single Motor	1
S	1534-002	ELECTRONIC WINDSHIELD FLUID LEVEL INDICATOR	Electronic Windshield Fluid Level Indicator	1
O	1103-004	CAB DOOR HARDWARE	Cab Door Hardware Chrome w/Scuff Plate	1
S	1111-001	DOOR LOCKS	Door Locks Manual	1
O	1503-008	GRAB HANDLES	Grab Handles 3-Pc Alum Knurled 18"	1
O	1504-103	REARVIEW MIRRORS	Mirror Aero Lang Mekra Series 300 Rmt/Htd/Lgt/Sig	1
O	1529-002	REARVIEW MIRROR HEAT SWITCH	Rearview Mirror Heat Sw Pnl	1
O	1513-003	CAB FENDER	Cab Fender Rubber	1

O	1514-002	MUD FLAPS FRONT	Mud Flaps Frt	1
O	1526-025	CAB EXTERIOR FRONT & SIDE EMBLEMS	Cab Ext Frt & Side Emblems Spartan w/APS Shiploose	1

START / CHARGING SYSTEMS

S	5109-001	IGNITION	Ign Mstr Sw w/Keyless Start	1
O	5101-021	BATTERY	Batt (6) Group 31 Harris	1
O	5106-005	BATTERY TRAY	Batt Tray (2) R/L SS	1
O	5107-008	BATTERY BOX COVER	Batt Box Cover (2) SS w/Black Handles	1
S	5102-001	BATTERY CABLE	Batt Cables	1
S	5108-002	BATTERY JUMPER STUD	Batt Jumper Stud Frt LH Lwr Step	1
O	5104-002	ALTERNATOR	Alternator Leece-Neville 320A	1
S	5105-001	STARTER MOTOR	Starter Motor Delco	1

LINE VOLTAGE ELECTRICAL POWER DISTRIBUTION

O	5202-024	BATTERY CONDITIONER	Batt Cond Kussmaul 1200 P/P LH RFO Seat Position	1
O	5203-012	BATTERY CONDITIONER DISPLAY	Batt Cond Display LH Cab Side Mid Above Elec Inlet	1
O	3314-017	AUXILIARY AIR COMPRESSOR	Aux Air Cmp Kussmaul 12V Bhd Drv Seat w/Auto Drain	1
O	5204-055	ELECTRICAL INLET	Elec Inlet 120V 20A Auto Eject	1
O	5209-002	ELECTRICAL INLET LOCATION	Elec Inlet Location LH Cab Side Mid	1
O	5210-004	ELECTRICAL INLET CONNECTION	Elec Inlet Conn to Batt Conditioner	1
O	5206-003	ELECTRICAL INLET COLOR	Elec Inlet Color Red	1

LIGHTING

S	5301-100	HEADLIGHTS	Headlights 4 Headlamps Halogen	1
O	5303-026	FRONT TURN SIGNALS	Frt Turn Signals Whelen M6 LED Above Frt Warn	1
S	5337-001	HEADLIGHT LOCATION	Headlights Below Frt Warn Lts	1
S	5336-003	SIDE TURN/MARKER LIGHTS	Side Turn/Marker Lts LED	1
O	5302-018	MARKER & ICC LIGHTS	Marker & ICC Lts Face Mnt LED In Scene Lt	1
O	5350-050	HEADLIGHT AND MARKER LIGHT ACTIVATION	Hdlt & Mrkr Lt Actv Rkr Sw/DRL	1
O	5308-027	GROUND LIGHTS	Ground Lts Amdor H2O LED Resp Dr & Prk Brk Sw	1
O	5309-005	LOWER CAB STEP LIGHTS	Lwr Cab Step Lts Amdor H2O LED	1
S	5382-002	INTERMEDIATE STEP LIGHTS	Intermediate Step Lts LED	1
O	5319-026	UNDER BUMPER LIGHTS	Under Bmpr Lts 12" Clear LED Amdor Luma Bar H2O Prk Brk	1
O	5312-004	ENGINE COMPARTMENT LIGHT	Engine Cmpt Work Lt LED (2)	1
O	5403-050	LIGHTBAR PROVISION	Lightbar Prov Wire & Mnt Spartan Supply	1
O	5450-237	CAB FRONT LIGHTBAR	Cab Frt Ltbar Whelen Freedom F4N72QLED 14R2C Layout 1	1
O	5426-002	LIGHTBAR SWITCH	Lightbar Sw Pnl	1
O	5317-158	FRONT SCENE LIGHTS	Frt Scene Lts FireTech FT-B-72-ML-W 12V LED 72" White	1
A	5335QXX	FRONT SCENE LIGHTS ACTIVATION	Frt Scene Lt Actv Rkr Sw Pnl (1) Sw Circuit - Scene Mode Only	1
O	5329-003	FRONT SCENE LIGHT LOCATION	Frt Scene Lt Loc Ctr Brow Pos	1
O	5306-118	SIDE SCENE LIGHTS	Side Scene Lts FRC Spectra MAX LED 12V	1
O	5318-006	SIDE SCENE LIGHT LOCATION	Side Scene Lt Loc Upper Mid Fwd 10" Roof Position	1

O	5316-004	SIDE SCENE ACTIVATION	Side Scene Actv Indv Sw & Resp Side Doors	1
O	5305-183	INTERIOR OVERHEAD LIGHTS	Interior Overhead Lts Weldon LED w/Front Whelen LED Over Tnl	1
O	5323-141	AUXILIARY DOME LIGHT FRONT CREW	Aux Dome Lt Frt Crew (2) Whelen Red/Clear LED 6" Round Rr Dr Actv	1

OPTICAL WARNING DEVICES

S	5406-076	DO NOT MOVE APPARATUS LIGHT	Do Not Move App Lt Flashing Red Whelen Ion LED w/Alarm	1
O	5422-001	MASTER WARNING SWITCH	Mstr Warn Sw Pnl	1
S	5409-002	HEADLIGHT FLASHER	Headlight Flasher Alternating	1
O	5425-002	HEADLIGHT FLASHER SWITCH	Headlight Flasher Sw Pnl	1
O	5401-032	INBOARD FRONT WARNING LIGHTS	Inboard Frt Warn Lts Whelen M6 LED Chrm Bezel	1
O	5413-002	INBOARD FRONT WARNING LIGHTS COLOR	Inboard Frt Warn Lts Color Red	1
O	5414-022	OUTBOARD FRONT WARNING LIGHTS	Outboard Frt Warn Lts Whelen M6 LED Chrm Bezel	1
O	5415-002	OUTBOARD FRONT WARNING LIGHTS COLOR	Outboard Frt Warn Lts Color Red	1
O	5423-020	FRONT WARNING SWITCH	Frt Warn Sw Prewire Bhd Sw Pnl	1
O	5404-027	INTERSECTION WARNING LIGHTS	Intersection Warn Lts Whelen M6 Super LED	1
O	5419-002	INTERSECTION WARNING LIGHTS COLOR	Int Warn Lts Color Red	1
O	5420-002	INTERSECTION WARNING LIGHTS LOCATION	Intersection Warn Lts Location Bumper Tail Rwd	1
O	5402-029	SIDE WARNING LIGHTS	Side Warn Lts Whelen M6 Super LED	1
O	5418-002	SIDE WARNING LIGHTS COLOR	Side Warn Lts Color Red	1
O	5412-002	SIDE WARNING LIGHTS LOCATION	Side Warn Lts Location Lwr Mid	1
O	5424-019	SIDE AND INTERSECTION WARNING SWITCH	Side & Intersection Warn Sw Prewire Bhd Sw Pnl	1
O	5410-109	ROTO-RAYS WARNING LIGHT	Roto-Rays Warn Lt LED (2) Red & Clr Upr Grille Mnt	1
O	5427-002	ROTO-RAYS WARNING LIGHT SWITCH	Roto-Ray Warn Lts Sw Pnl	1
O	5407-019	INTERIOR DOOR OPEN WARNING LIGHTS	Int Dr Open Warn Lts Amber Weldon 15" LED Dir Flsh	1

AUDIBLE WARNING DEVICES

O	5510-056	SIREN CONTROL HEAD	Siren Ctrl Head Carson MagForce S A-441-10	1
O	5514-002	HORN BUTTON SELECTOR SWITCH	Horn Btn Sel Sw Elec Horn/Air Horn	1
O	5512-022	AIR HORN ACTIVATION	Air Horn Actv Strg Whl/Rkr Sw	1
O	5513-029	MECHANICAL SIREN ACTIVATION	Mech Siren Actv LH Ft Sw/Rkr Sw/Brk Sw	1
O	5505-003	BACK-UP ALARM	Back-Up Alarm Preco-Matic 1059	1

INSTRUMENTATION

S	5601-041	INSTRUMENTATION	Instrumentation Standard	1
S	5624-001	BACKLIGHTING COLOR	Backlighting Color Red	1

COMMUNICATIONS SYSTEMS

O	5701-073	RADIO	Radio Jensen WB/AM/FM/CD/iPod/Sat Ovrhd LH w/6 Spkrs	1
O	5707-002	AM/FM ANTENNA	AM/FM Antenna LH Fwd Cab Roof	1
O	5703-010	COMMUNICATION ANTENNA	Comm Ant Base RH Fwd Cab Rf Spartan Sply	1
O	5708-015	COMMUNICATION ANTENNA CABLE ROUTING	Comm Ant Cable Routing Into RH Frt Seatbox	1
O	5709-003	AUXILIARY COMMUNICATION ANTENNA	Aux Comm Ant Base LH Fwd Cab Roof Spartan Sply	1
O	5710-005	AUXILIARY COMMUNICATION ANTENNA CABLE ROUTING	Aux Comm Ant Cable Routing Under LH Frt Seat	1
S	5020-001	PANEL LAYOUT	Panel Layout	1

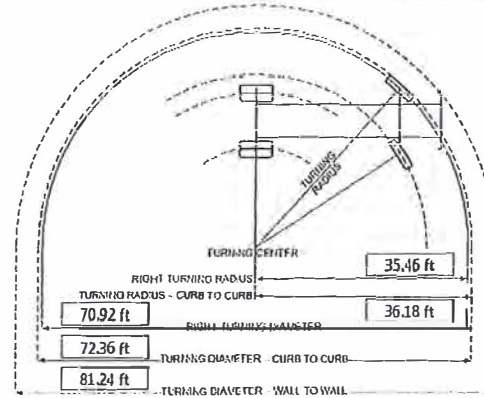
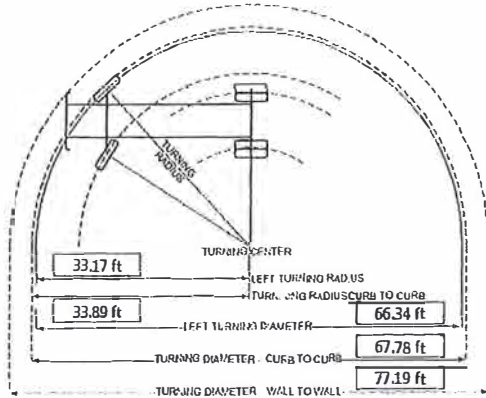
ADDITIONAL EQUIPMENT

S	8814-002	CAB EXTERIOR PROTECTION	Cab Exterior Protection Front	1
S	8806-001	FIRE EXTINGUISHER	Fire Extinguisher Shiploose	1
O	8807-002	ROAD SAFETY KIT	Road Safety Kit Shiploose	1
S	8810-001	DOOR KEYS	Door Keys for Manual Locks (4)	1
S	8811-003	DIAGNOSTIC SOFTWARE OCCUPANT PROTECTION	Diagnostic Software Occupant Protection Advanced Protection System	1

SALES ADMIN

S	8003-147	WARRANTY	Warranty Cab and Chassis 2018 (2) Year	1
S	8030-006	CHASSIS OPERATION MANUAL	Chassis Operation Manual Digital Copy (2)	1
S	8031-024	ENGINE & TRANSMISSION OPERATION MANUAL	Eng & Trans Operation Man Eng Hard Copy/Trans Digital/Eng Owner Digital	1
S	8805-007	CAB/CHASSIS AS BUILT WIRING DIAGRAMS	Cab/Chassis As Built Wiring Diagrams Digital Copy (2)	1
O	8063-006	CAB PAINT CONFIRMATION	Cab Paint Confirmation - PPG - Confirmation #1	1
S	8039-001	SALES TERMS	Sales Terms	1

Turning Radius



This turning radius calculation is incomplete due to addition of an unpublished option. Please submit it to Spartan for completion.

The turn radius is an estimate given for reference only. Real world results depend on tire type, speed, weight distribution, alignment, etc. tolerance stackups, turn stop settings, etc. Spartan makes no claim as to the accuracy of this tool.

End User Name	
Chassis Model	0100-012 Gladiator
Wheelbase	232.00 in
Bumper Extension	21.00 in
Bumper Width	104.40 in
Left hand outside tire turn angle	33.50 deg
Right hand outside tire turn angle	31.00 deg
Left hand Curb-to-Curb turning radius	33.89 ft, 10.33 m
Right hand Curb-to-Curb turning radius	36.18 ft, 11.03 m
Left hand Wall-to-Wall turning radius	38.59 ft, 11.76 m
Right hand Wall-to-Wall turning radius	40.62 ft, 12.38 m

QUOTATION

Emergency Vehicles, Inc.

City of Brevard Fire Department
Chief Craig Budzinski
95 West Main Street
Brevard, NC 28712
(828) 883-3333
(828) 883-8476

Quote No: BREVARDFDNC-0001
09/15/2017

Page 1

PART NO	QTY	DESCRIPTION
	1	== SPARTAN GLADIATOR CUSTOM CHASSIS ==
A7-50-0001	1	SPARTAN GLADIATOR CUSTOM CHASSIS PER ATTACHED SPECIFICATIONS
	1	== 22-FT NON-WALK-IN RESCUE - 0.000 ==
BA-00-0000	1	CHASSIS PREPARATION - GENERAL (09/17)
BB-00-0000	1	CHASSIS FRAME RAIL PREPARATION
BB-00-2000	1	DROP REAR FRAME OF CHASSIS
BB-50-0710	1	VERTICAL EXHAUST EXTENSION WITH HEAT SHIELD - CUSTOM CAB -- Shall include a chrome elbow
BF-05-0500	1	REAR STEP AND BUMPER ASSEMBLY Length: -- 3"
BG-00-1500	1	REAR FULL WIDTH BLACK RUBBER MUD FLAP
BG-08-4010	1	PAIR TOW RING 3/4" PAINTED STEEL PLATE - BLACK Location: -- Under rear of body Diameter: -- 3"
BG-08-7010	4	UPPER CORNER TIE OFF RING(S)
BG-08-7020	2	UPPER MID BODY CORNER ROUND TIE OFF RING(S)
BI-00-0100	1	HEAVY DUTY TRAILER HITCH Rating: -- 10,000 lbs. towing capacity (1,000 lb. tongue weight) -- Includes safety chain loops
BI-00-1500	2	HITCH RECEIVER FOR PORTABLE WINCH - SIDE MOUNTED Note: -- To be located in each side wheelwell (forward) - under the storage compartments -- Not under the body
BI-00-16LP	2	BRUSHED STAINLESS STEEL DOOR(S) FOR HITCH RECEIVER(S) Note: -- To include rubber bumpers and SouthCo #M1-62-8 stainless steel "D" door latches
C0-01-0000	1	ALL ALUMINUM MODULAR BODY
CA-22-NW10	1	MODULE BODY PACKAGE; 22-FT NON-WALK-IN
CB-10-2640	1	-- MODULE BODY LENGTH - 267" O.D.
CB-20-9201	1	-- MODULE BODY WIDTH - 100" O.D.
CB-30-6200	1	-- MODULE BODY COMPARTMENT HEIGHT - 78"
CB-40-1000	1	-- MODULE FRONT WALL - SMOOTH PAINTED
CB-50-0000	1	-- DIAMOND PLATE MODULE ROOF
CB-59-9999	1	-- EXTERIOR SHEETING
CB-60-0002	1	-- EXTERIOR SHEETING - 3/16" THICKNESS Note:

PART NO	QTY	DESCRIPTION
		-- This includes rear walls of rear walkway/staircase
CB-70-0000	1	-- SET ROUNDED BODY VERTICAL CORNERS
CB-80-0000	1	-- DRIP RAIL PACKAGE
CC-50-0500	1	-- PAIR PAINTED EXTERIOR WHEELWELL PANELS
CC-60-0001	1	-- REAR PAINTED LOWER KICK PANEL
CB-50-1000	1	RECESSED ROOF WALKWAY - DIAMOND PLATE -- The diamond plate utilized shall be "slip resistant", meeting NFPA requirements
CB-50-1050	1	REAR ROOF ACCESS STAIRWAY -- The diamond plate utilized shall be 3/16" (.188") "slip resistant", meeting NFPA requirements Note: -- To include 1" overhang/lip on steps to assist to keep rear compartments free from moisture
CB-50-2020	1	RECESSED AREA IN BODY FOR AWNING(S) Location: -- Streetside of the body. Note: -- Outer edge of recessed areas to be trimmed with angled polished stainless steel
CC-60-0200	1	LICENSE PLATE HOUSING
CC-71-2L00	1	LOWER BODY RUB RAILS - "C" CHANNEL Stripe Color: -- To be determined
CC-90-2000	1	PAIR RUBBER REAR WHEEL FENDERETTES
CD-41-K01M	2	STAINLESS STEEL KNURLED GRAB RAIL(S) - MEDIUM Location: -- Rear of body Note: -- To be one-piece approx. 30" long
CD-42-K0LP	2	CUSTOM KNURLED STAINLESS STEEL KNURLED GRAB RAIL(S) - MEDIUM Note: -- To be one-piece approx. 84" long
CD-60-0104	1	MANUAL FLIP-UP BUMPER STEP - REAR (APPROX. 34"W X 14"D) -- Includes warning light within the cab
CD-60-0115	2	MANUAL FOLD-DOWN / DROP-DOWN STEP(S) - COMPARTMENT MOUNTED Location: -- To be determined
CD-60-02LP	2	REMOVABLE CUSHION(S) FOR DROP-DOWN COMPARTMENT STEP(S)
CF-90-0270	1	GIRARD G2000 ELECTRIC ACRYLIC AWNING 120V UP TO 23-FT Canvas Color: -- To be determined Location: -- Streetside of body
CF-90-0300	1	GIRARD #98003528-23 G-LITE LED LIGHT OPTION FOR AWNING
CG-70-1000	2	ZICO #SAC-44-E COLLAPSIBLE WHEEL CHOC(S)
CG-70-1100	2	ZICO #SQCH-44-H HORIZONTAL FOLDING CHOC HOLDER(S)
CJ-00-2L00	1	BODY INSTALLATION
DA-50-0005	8	3/16" EXTERIOR COMPARTMENTS - DIAMOND PLATE Compartment Floors: -- 3/16" (.188") thick brushed aluminum
DA-55-0000	4	SINGLE DOOR ROOF COMPARTMENT(S) -- Inside of doors to be double panned for LED compartment lighting

PART NO	QTY	DESCRIPTION
DA-55-01LP	1	RECESSED AREA ON ROOF OF BODY FOR GENERATOR W/SINGLE DOOR
DA-55-25LP	6	STAIRCASE COMPARTMENT(S) WITH FOLD-DOWN DOOR(S) Location: -- Rear stairway (Upper - For ladders / Lower - Storage) Note: -- Door handles to Hansen non-locking D-ring type
DA-71-000R	8	COMPARTMENT DOOR CONSTRUCTION ROLL-UP
DA-72-0003	8	ALUMINUM DOOR MANUFACTURER - HANSEN
DA-72-1MPN	2	ALUMINUM "PAINTED" ROLL-UP COMPARTMENT DOOR(S) - NON-LOCKING (MED) Location: -- Compartments #3 and #6
DA-72-2LPN	6	ALUMINUM "PAINTED" ROLL-UP COMPARTMENT DOOR(S)- NON-LOCKING (LRG) Location: -- Compartments #1, #2, #4, #5, #7 and #8
DA-76-0210	8	ROLL-UP DOOR COIL SHIELD - DIAMOND PLATE
DA-97-0500	2	EXTENDED COMPARTMENT FLOOR(S) Location: -- (1) in compartments #2 and #7 Note: -- To be welded to compartment walls - No Screws
DA-98-00LP	1	EQUIPMENT MOUNTING ALLOWANCE - \$5,000.00
DB-00-0200	8	EXTERIOR COMPARTMENT SHELF TRACKS Location: -- (1) set in each side compartment
DB-00-1000	10	3/16" (.188") EXTERIOR COMPARTMENT SHELVES - ADJUSTABLE Location: -- (1) in compartments #1, #2, #7 and #8 -- (3) in compartments #4 and #5
DB-31-2508	4	1" FRAMED ALUMINUM VERTICAL COMPARTMENT DIVIDER(S) Location: -- (1) in compartments #1 and #8 -- (1) transverse in compartment #2/#8
DB-54-0000	5	4" DIAMETER COMPARTMENT VENT(S) Location: -- (1) each roof top compartment Note: -- None in lower compartments
DB-55-1100	16	TURTLE TILE COVERING FOR COMPARTMENT SHELVES Color: -- Black
DB-61-0999	1	FUEL FILL EXTENSION BEHIND ACCESS DOOR Specify Location: -- Rear streetside wheelwell behind brushed stainless steel access door
DB-61-10LP	4	FIRE EXTINGUISHER COMPARTMENT RETENTION STRAP(S)
DB-62-01LP	1	ENGRAVED LABEL - ULTRA LOW SULFUR DIESEL FUEL ONLY
DB-62-02LP	4	FIRE EXTINGUISHER COMPARTMENT(S) IN WHEELWELL
DB-62-03LP	5	BRUSHED STAINLESS STEEL DOOR(S) FOR WHEEL WELL COMPARTMENT(S) Note: -- Doors to include non-locking chrome textured SouthCo thumb latches

PART NO	QTY	DESCRIPTION
DB-64-0500	2	ON-SCENE SOLUTIONS QUICK RELEASE CARGO STRAP(S)
DB-70-0000	6	PIKE POLE STORAGE TUBE(S) Note: -- (3) 8-Ft NY Hooks -- Location: To be determined -- (3) 10-Ft NY Hooks -- Location: To be determined
DB-75-0500	1	ALUMINUM LADDER TUNNEL Accessed through: -- Upper staircase and to include a non-locking access door Ladder(s) to be stored: -- (2) 16-Ft Roof Ladders -- (1) 10-Ft Attic Ladder
DD-05-0500	1	SPEEDY DRY COMPARTMENT/DISPENSER -- Inside of door to be double panned for LED compartment lighting
DF-01-0024	2	SLIDE-MASTER ROLL-OUT/DROP-DOWN EQUIPMENT TRAY(S) - 24" Deep - 250# Location: -- (1) in compartments #4 and #5 - To be adjustable
DF-28-0120	2	-- BLACK POWDER COATED SLIDES
DF-01-0046	2	SLIDE-MASTER ROLL-OUT/DROP-DOWN EQUIPMENT TRAY(S) - 46" Deep - 250# Location: -- (1) in compartments #3 and #6 - To be adjustable
DF-28-0120	2	-- BLACK POWDER COATED SLIDES
DF-05-0090	1	SLIDE-MASTER DUAL DIRECTIONAL TRAY/STEEL SLIDES: Up to 90" Deep - 1000# Location: -- (1) in compartment #1/#8 Width: -- 51"
DF-20-0025	1	-- TWISTLOCK HANDLE
DF-28-0084	1	-- BLACK POWDER COATED SLIDES (3-RAIL)
FA-05-2L00	1	EXTERIOR MODULAR BODY PAINTED POLYURETHANE Color: -- Red Code: -- Red: To be determined
FD-02-2L00	1	VEHICLE UNDERCOATING
FF-20-04LP	10	(SQ. FT.) 3M #983 DIAMOND GRADE REFLECTIVE CHEVRON STRIPING - FRONT BUMPER
FF-20-0505	25	(SQ. FT.) 3M #983 DIAMOND GRADE REFLECTIVE CHEVRON STRIPING
IA-05-2L00	1	12 VOLT ELECTRICAL SYSTEM
IA-10-0500	1	SWITCH LABEL PACKAGE
IA-10-1200	1	I.C.C. MARKER LIGHT/REFLECTOR PACKAGE - LED
IA-10-2000	4	ADDITIONAL LED SIDE MARKER LIGHT(S)
IA-11-0100	2	BRITAX #L427.203.L12V 12VOLT LED MARKER LIGHT(S) Location: -- (1) each side rear of body
IA-12-14LP	10	ON-SCENE #73000PCH LED WALKWAY LIGHT(S) Note: -- To come on automatically with the park brake and not to be switched Location: -- Ten (10) rear staircase/walkway
IA-12-1500	1	TECNIQ #E03-W000-1 EON LINEAR LED ILLUMINATION LIGHT(S) Note:

PART NO	QTY	DESCRIPTION
		-- To come on automatically when the front winch door is opened and not to be switched Location: -- One (1) front winch compartment
IA-12-1501	1	-- TECNIQ #E03-0SH0-1 EON LINEAR HORIZONTAL SS HOUSING & GASKET #E03-00HG-1 SOUNDOFF #ECVCLLED42 ROOF TOP COMPARTMENT LED 42" STRIP LIGHT(S) Note: -- To come on automatically whenever the compartment doors are opened and not to be switched from the cab.
IA-12-1556	5	
IA-12-16LP	6	HANSEN 22" 10 MM LED INTERIOR STRIP LIGHT(S) Location: -- (1) in each rear staircase compartment Note: -- To come on automatically whenever the compartment doors are opened and not to be switched
IA-12-17LP	2	PAIR OF HANSEN 32" 10 MM LED INTERIOR STRIP LIGHT(S) Location: -- Pair in compartments #3 and #6 Note: -- To come on automatically whenever the compartment doors are opened and not to be switched
IA-12-18LP	6	PAIR OF HANSEN 62" 10 MM LED INTERIOR STRIP LIGHT(S) Location: -- Pair in compartments #1, #2, #4, #5, #7 and #8 Note: -- To come on automatically whenever the compartment doors are opened and not to be switched
IA-12-3205	20	"DOOR OPEN" WARNING CIRCUIT(S) W/LED LIGHT -- Includes wheelwell + front winch door compartments -- To be tied into Spartan Door Open circuit
IA-12-3500	1	INDIVIDUAL OPEN DOOR DISPLAY AMDOR #AY-9500-012 LUMABAR H20 LED GROUND ILLUMINATION LIGHT(S) Note: -- To come on automatically with the park brake
IA-13-0540	8	
IA-13-06LP	1	REVERSE RELAY FOR GROUND LIGHTS
IA-14-1002	1	PAIR LED SIDE FACING TURN SIGNALS
IA-15-0025	1	PAIR WHELEN #M6-SERIES STOP-TAIL / BACK-UP / DIRECTIONAL LIGHTS
IA-15-0027	1	-- PAIR WHELEN #M6BTT LED STOP/TAI LIGHTS
IA-15-0028	1	-- PAIR WHELEN #M6BUW LED BACK-UP LIGHTS
IA-15-0029	1	-- PAIR WHELEN #M6T LED AMBER DIRECTIONAL LIGHTS
IB-03-0503	1	-- PAIR OF WHELEN #M6FCV4 POLISHED LIGHT HOUSINGS (M6)
IF-00-0400	2	COAXIAL WIRING FOR ANTENNA WITH MOUNTING BASE Location: -- To be determined
IF-00-3200	1	COMPARTMENT WIRE COVER PACKAGE
IF-00-5000	3	WIRING FOR PORTABLE WINCH(ES) Note: -- Side winch connections to be mounted in compartments #2 and #7
IH-00-1010	2	KUSSMAUL #091-219 FLUSH MOUNT DUAL USB CHARGER OUTLET(S) Location: -- To be determined
IJ-00-01LP	1	LOCKING OVERHEAD SWIVEL HEAD MOUNT FOR RADIO(S) Location: -- Overhead in cab - On front defroster near windshield Note:

PART NO	QTY	DESCRIPTION
		-- Johnny Ray type
IJ-01-0000	2	INSTALLATION OF CUSTOMER'S RADIO(S)
IK-00-01LP	1	SAFETY VISION #SVR-4100-64KIT VEHICLE DIGITAL RECORDER SYSTEM W/CAMERAS+MONITOR -- The system shall consist of the following components: DVR and Components -- SVR-4100-64KIT - SVR-4100 DVR w/ 64GB SD -- 41-GPS - GPS module for 41 series -- SD-64G - 64GB SD card -- SV-4100AVCBL - A/V in w/din connectors -- SV-4CSDHRNS - 25' Pwr/Sens Hrns w/Ring Term -- SV-BATTERY-AAA - Alkaline AAA Battery -- SVR-4100 - 4CH SD WIFI-DVR Forward Facing Camera, Camera Bracket, and Cable -- 41-2.8M-WT - windshield camera w/mic 2.8mm white -- 41-WS-BRKT - front windsheild bracket -- SVS-5MMF - 5m M/F THREADED CABLE Right Side Camera and Cable -- SV-622RS - Right Side Camera -- SVS-10MMF - 10m M/F THREADED CABLE Left Side Camera and Cable -- SV-622LS - Left Side Color Camera -- SVS-10MMF - 10m M/F THREADED CABLE Backup Camera and Cable -- SV-620A-KIT - 3mm Color CAM W/Accessories -- SVS-20MMF - 20m M/F THREADED CABLE 7" Display Monitor, DVR Setup, and Video Playback -- SV-CP4-HYB-KIT - kit for CP4 Hyb -- ICPMONCABL - ICP MONITOR CABLE -- SV-CP4-HYB - touch screen 4120/4112 only -- SV-CP4-VISOR - visor for the CP4 -- SV-CP3-232 - pigtail for CP3 setup monitor
KA-10-0000	1	GENERATOR INSTALLATION - 120/240 VOLT
KC-00-0015	1	120/240 VOLT CIRCUIT BREAKER PANEL (MAX 12 CIRCUITS) W/MAIN BREAKER Location: -- To be determined Note: -- To be a Square D panel
KC-50-0050	1	120/240 VAC HIGH VOLTAGE ELECTRICAL SYSTEM - SINGLE SOURCE
KC-55-0005	1	120/240 VAC HIGH VOLTAGE MULTI-METER
KH-55-8201	1	POWER TECH #PT-10SIC 10KW T4F QUIET ENCLOSED DIESEL GENERATOR
KH-55-7810	1	-- POWER TECH #07PT875 ANALOG GAUGE PANEL WITH START/STOP AND HOURMETER
LB-10-0500	2	120V TO 12V CONVERTER(S) - (80 AMP)
LD-16-0207	6	FRC SPECTRA MAX #SPA260-Q20 12-VOLT LED SURFACE MOUNTED SCENE LIGHT(S)
MB-00-1618	2	HANNAY #ECR-1618-17-18 ELECTRIC CORD REEL(S) Location: -- (1) - Compartment #1 -- (1) - Compartment #8 Note: -- Rewind switch to be a stainless steel protected momentary push button switch and labeled
MB-03-2000	2	-- 200 FEET OF 10/3 SAFETY ELECTRICAL CORD
MD-00-15LP	2	HANNAY #EF 1520-17-18 AIR HOSE REEL(S) - UTILITY AIR Location: -- (1) - Compartment #1 -- (1) - Compartment #8

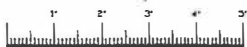
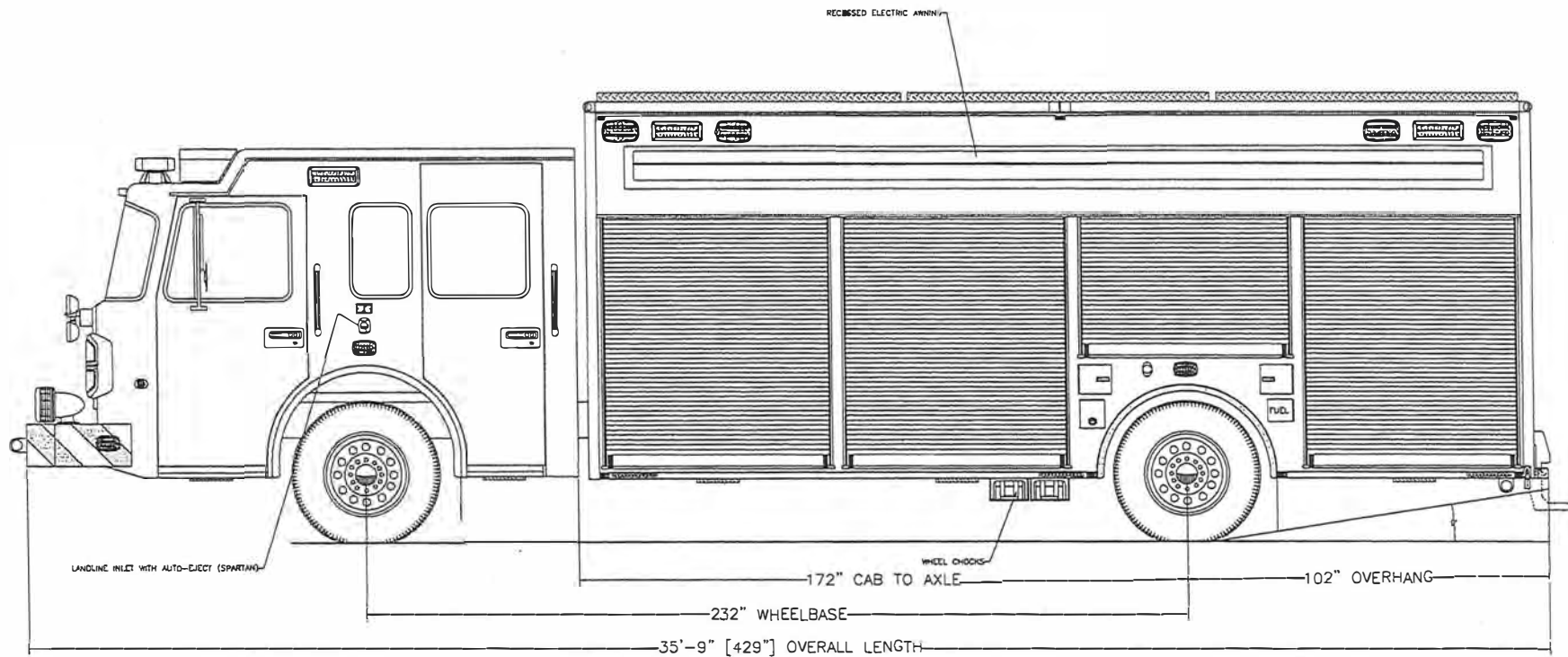
PART NO	QTY	DESCRIPTION
		Air source: -- To be determined Note: --Rewind switch to be a stainless steel protected momentary push button switch and labeled
MD-01-30LP	2	175 FEET OF NITRILE RUBBER JACKET 1/2" I.D. 300 PSI AIR HOSE (RED)
MD-05-0500	2	0-300 PSI AIR REGULATOR - FOR AIR REEL
ME-00-0020	4	BALL STOP(S)
ME-01-0200	4	FOUR-WAY ROLLER GUIDE(S) - REEL
ME-05-1000	2	EXTENDA-LITE 4-WAY JUNCTION BOX(ES) Type Outlets: -- 20-amp household Outlet Nema #: -- 5-20
ME-05-2000	2	JUNCTION BOX MOUNTING BRACKET(S)
NB-20-1151	1	WARN 10,000 LB ZEON 10-S MULTI-MOUNT WINCH W/SYNTHETIC ROPE Note: -- Part # 90360 Multi-mount kit
NB-50-0501	1	-- WARN #13447 12 METER REMOTE CONTROL NFPA
NB-30-12LP	1	SUPERWINCH #1618201 TALON 18,000 LBS SINGLE SPEED ELECTRIC WINCH Includes: -- 90' of 1/2" synthetic winch line -- Roller Guide -- 15-Ft Remote
NB-35-01LP	1	RAPTOR COAT FRONT TOP OUTER EDGE OF FRONT BUMPER Color: -- Black
SD-98-01LP	2	HIVIZ #FT-4X6-HL-KIT 4X6 LED HEADLIGHT(S) - TWO LIGHTS Note: -- To be switched out with the halogen headlights provided on the Spartan cab
SD-99-0020	1	REVERSE RELAY FOR REAR SCENE LIGHTS
TA-08-0200	1	VANNER #9860GCPE ELECTRONIC LED FLASHER UNIT Note: -- To be used for both the Spartan cab and body LED warning lights
TA-08-03LP	1	WHELEN #ULF44 ELECTRONIC LED FLASHER UNIT
TB-10-20LP	6	WHELEN TRACER SERIES SUPER LED WARNING LIGHT ARRAY(S) - RED - RED LENS Location: -- Lower rub rails of body - (3) each side Whelen Part #'s: -- Tracer - TCRHS1 / TCRLR -- Bracket - (2) TCRLBKT
TC-16-0005	2	WHELEN #M6AS SERIES SUPER-LED WARNING LIGHT(S) - AMBER - AMBER LENS -STEADY BURN Location: -- Rear of body - Center Note: -- Not to be switched - To come on whenever the vehicle is running -- To be connected to the Whelen flasher
TC-16-0902	2	-- WHELEN #M6FC CHROME FLANGE
TC-16-0020	4	WHELEN #M6RS SERIES SUPER-LED WARNING LIGHT(S) - RED - RED LENS -STEADY BURN
TC-16-0902	4	-- WHELEN #M6FC CHROME FLANGE
TC-19-0005	6	WHELEN #M9AS SERIES SUPER-LED WARNING LIGHT(S) - AMBER - AMBER LENS -STEADY BURN

PART NO	QTY	DESCRIPTION
TC-19-0902	6	-- WHELEN #M9FC CHROME FLANGE
TC-19-0020	6	WHELEN #M9RS SERIES SUPER-LED WARNING LIGHT(S) - RED - RED LENS -STEADY BURN
TC-19-0902	6	-- WHELEN #M9FC CHROME FLANGE
VB-05-01LP	1	WARNER #NXT1A06 6-FOOT TYPE IA A-FRAME FIBERGLASS LADDER
VB-10-01LP	1	DUO-SAFETY 585-A 10-FT ALUMINUM FOLDING LADDER
VB-16-01LP	1	DUO-SAFETY 875-A 16-FT ALUMINUM ROOF LADDER
VB-16-02LP	1	DUO-SAFETY 875-DR 16-FT ALUMINUM ROOF LADDER
VB-24-01LP	2	DUO-SAFETY 1200-A 28-FT ALUMINUM 2-SECTION EXTENSION LADDER
VB-MB-01LP	1	A-FRAME LADDER MOUNTING BRACKETS Location: -- Compartment #2/#7
VB-MB-E000	2	EXTENSION LADDER MOUNTING BRACKETS Location: -- (1) set each side of upper walkway of body
WA-90-0050	2	BODY MANUFACTURER'S MANUAL(S)
WA-95-0050	2	WIRING MANUAL(S)
WB-00-NFPA	1	NFPA LABEL PACKAGE
WB-05-1500	1	-- ENGRAVED FLUID CAPACITY AND TYPE PLATE
WB-05-2000	1	-- OVERALL HEIGHT/LENGTH/GVWR PLATE
WB-05-2200	1	-- REAR STEP LABEL
WB-05-3000	2	ELECTRIC CORD REEL LABEL
WB-05-4000	1	ENGRAVED DISTRIBUTION PANEL LABEL
ZA-00-0002	1	CHASSIS RELATED EXPENSES
ZA-00-0300	1	CHASSIS DELIVERY FROM SPARTAN TO FINAL STAGE MANUFACTURER
ZB-00-0004	1	LOCAL REPRESENTATION
ZD-00-000A	1	FACTORY LIAISON PROJECT COORDINATOR
ZD-00-000B	1	ENGINEERING/PRE-CONSTRUCTION REVIEW
ZD-00-000C	1	IN-HOUSE PRE-DELIVERY DETAILING INSPECTION
ZD-00-0600	1	DELIVERY TO END USER



705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department
Brevard, North Carolina



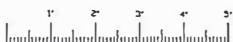
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REVISION 2	NS - 08/15/17
REVISION 3	-
REVISION 4	-
REVISION 5	-

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Curbside Overall

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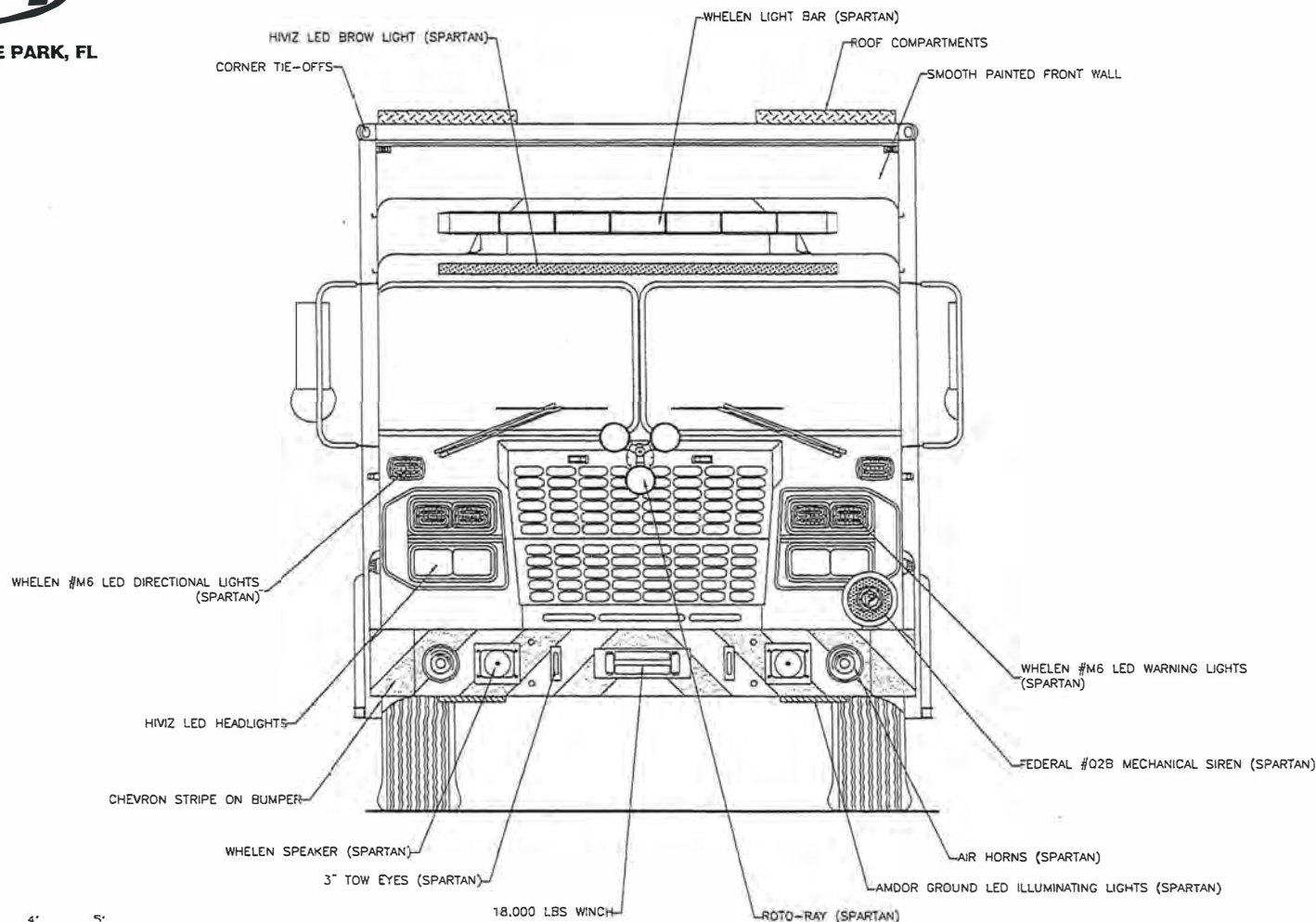
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REVISION 2	NS - 08/15/17
REVISION 3	
REVISION 4	
REVISION 5	

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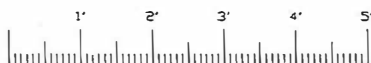


705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department Brevard, North Carolina



Front View



PRELIMINARY

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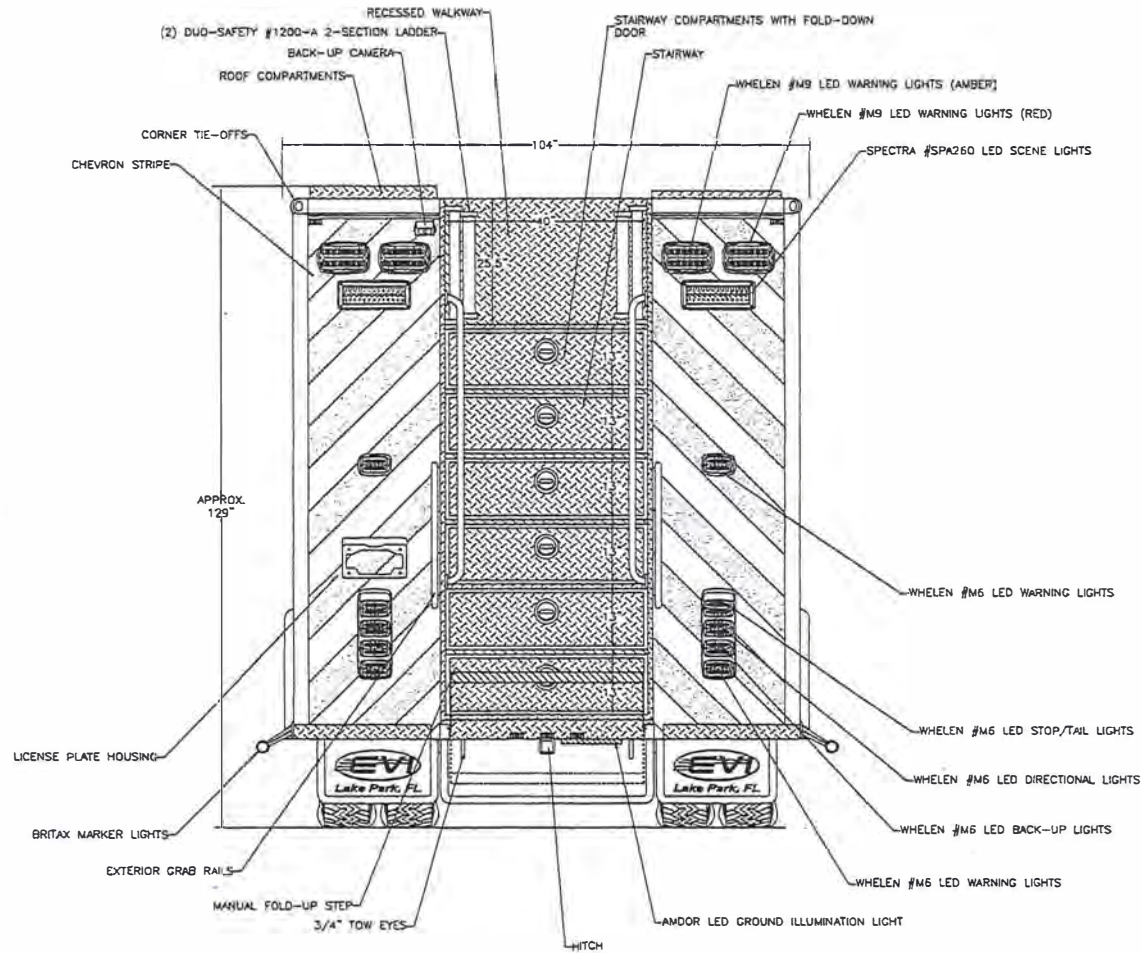
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REVISION 3	-
REVISION 4	-
REVISION 5	-

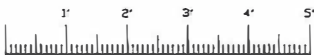


705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department Brevard, North Carolina



Rear View



PRELIMINARY

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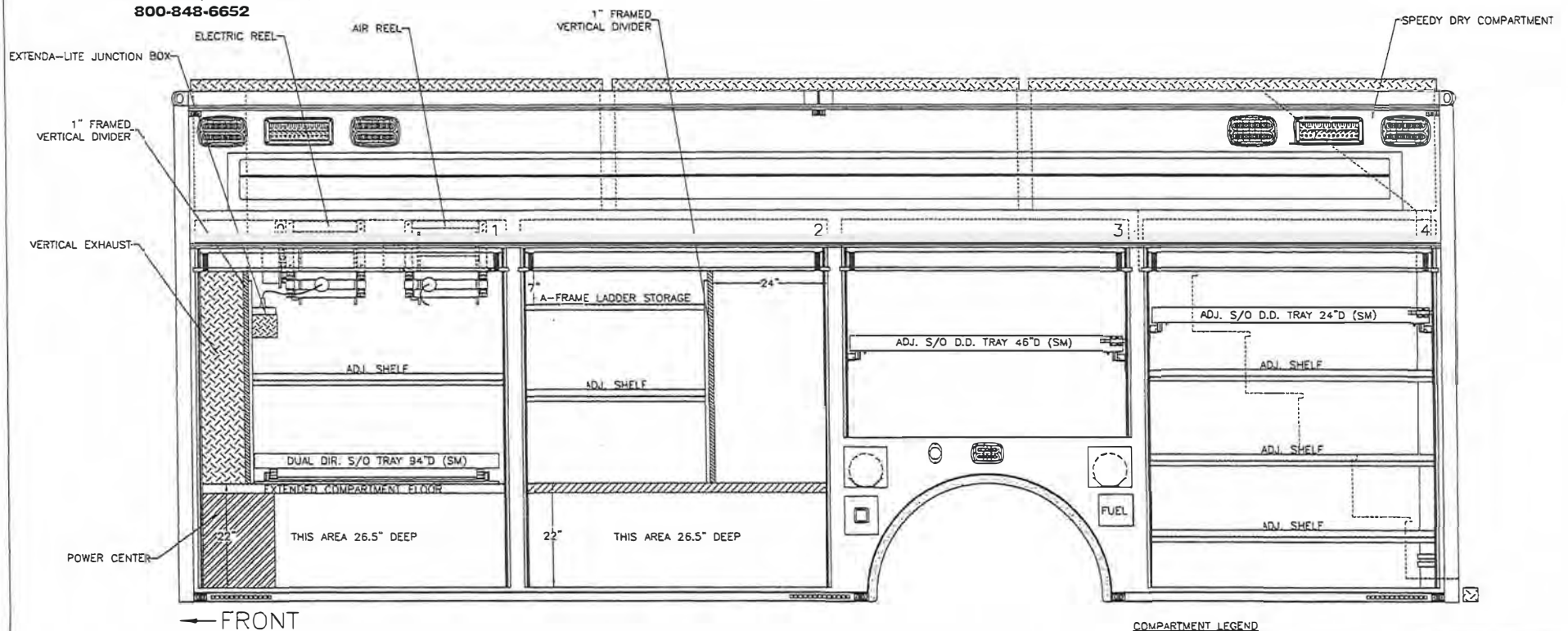
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REVISION 5	-

SALESDWG\BREVARD_NC\22NW110\ACS\030316



705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department Brevard, North Carolina



COMPARTMENT LEGEND
COMPT. #1 - 65\"/>

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DATE: 03/03/16

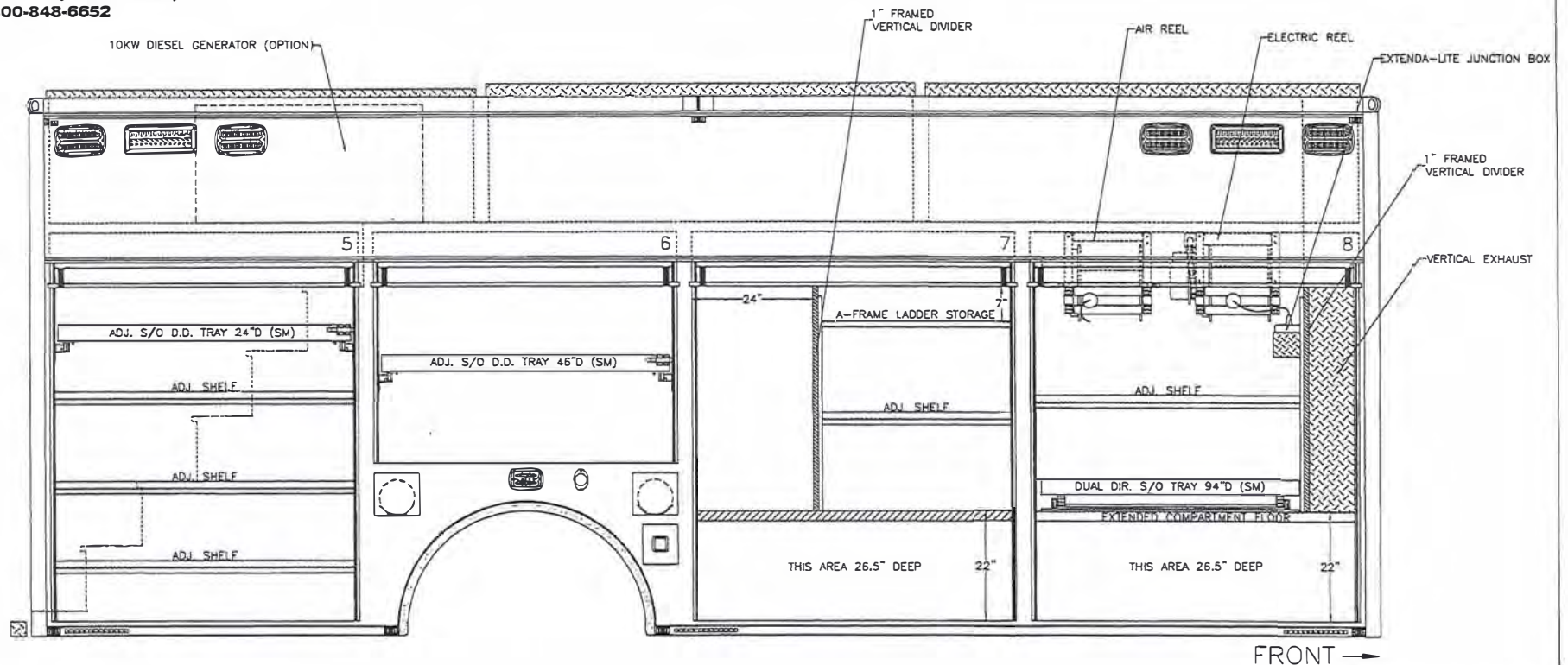
Streetside Body

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705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department Brevard, North Carolina



COMPARTMENT LEGEND
COMPT. #5 - 61\"W X 78\"H X 26.5\"D
COMPT. #6 - 60\"W X 46.375\"H X 96\"D
COMPT. #7 - 64\"W X 78\"H X 26.5\"/96\"D
COMPT. #8 - 65\"W X 78\"H X 26.5\"/96\"D



Curbside Body

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REVISION 5	-

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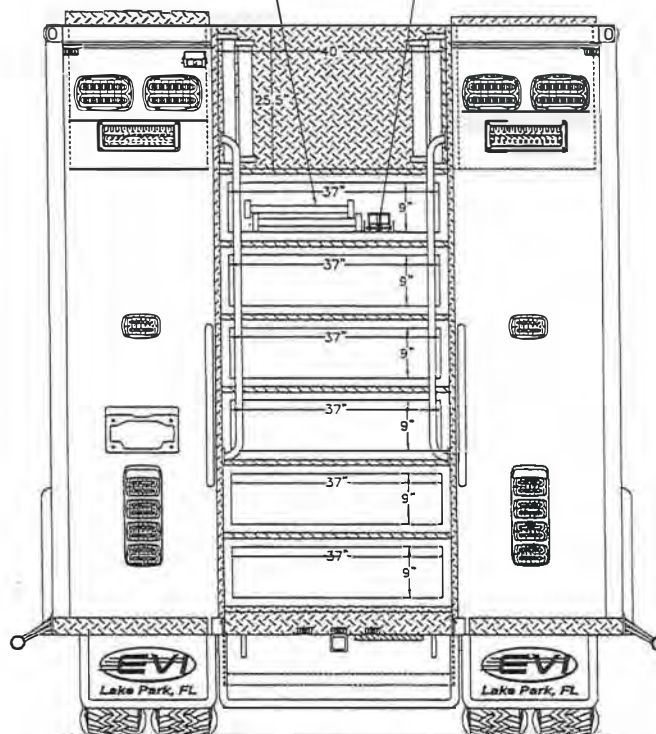


705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department Brevard, North Carolina

(2) DUO-SAFETY 16-FT ROOF LADDERS (#875-A & #875-DR)

DUO-SAFETY #585-A 10-FT FOLDING LADDER



Rear Open View

PRELIMINARY

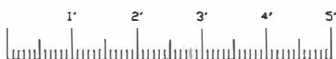
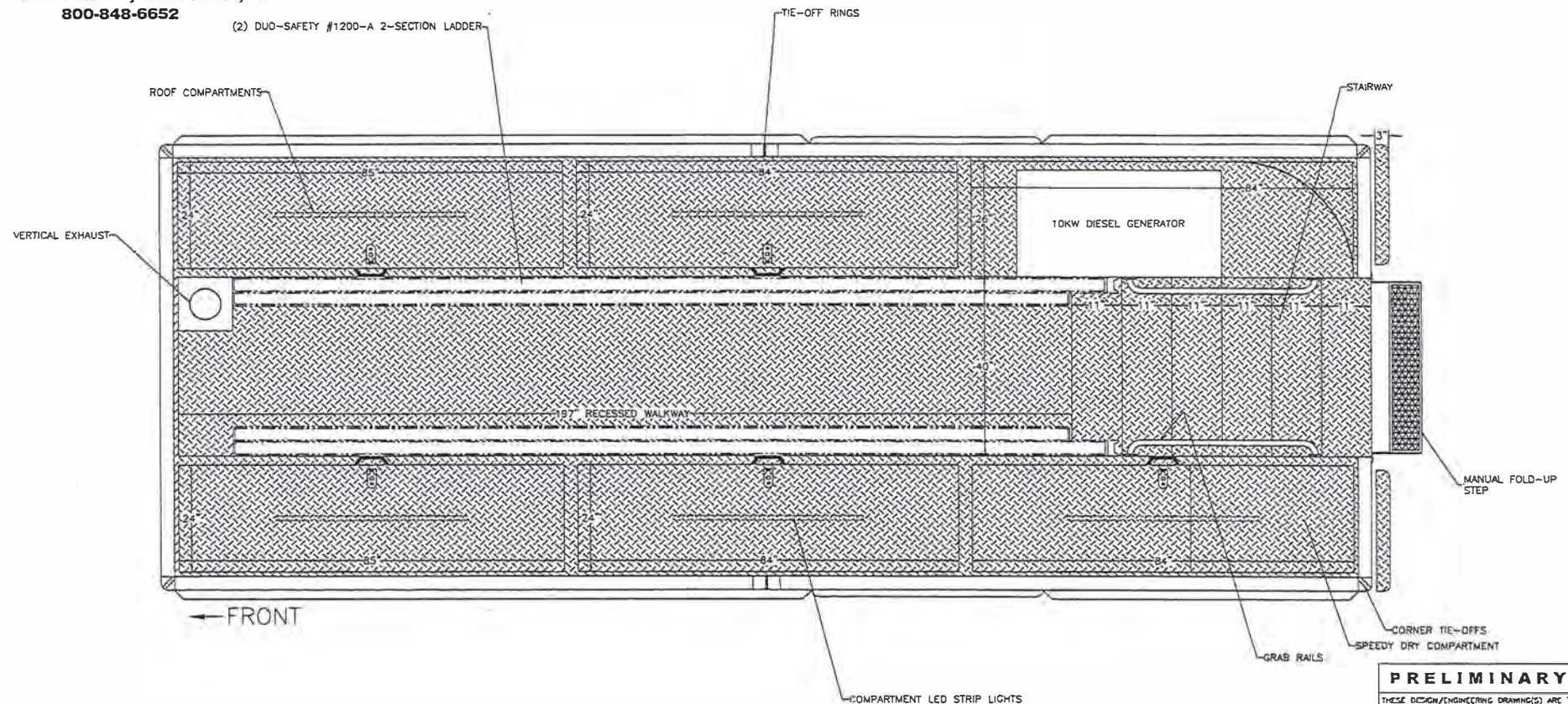
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REVISION 5	-



705 13TH STREET, LAKE PARK, FL
800-848-6652

Brevard Fire Department Brevard, North Carolina



Roof Planview

PRELIMINARY

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REVISION 3	-
REVISION 4	-
REVISION 5	-

SALES\DWG\BREVARD_NC\22NW\122\ACS\030316

Jaime Laughter

From: David Mcneill
Sent: Wednesday, November 29, 2017 12:33 PM
To: 'Jim Fatland';Jaime Laughter
Subject: Rescue Truck and Equipment Request

Hello Jim,

Following the meeting to discuss the rescue truck and equipment requests, County staff met with Brevard Fire Department staff to review the current equipment to better understand the request from Brevard Fire Department. It is important to understand that we (County Staff) is taking the appropriate time to evaluate and understand the request and compare it to resources already available at Brevard Fire and/or Brevard Rescue Squad. It is prudent for County staff to understand the need for the request and thoroughly justify an \$800,000 dollar capital expenditure prior to making a recommendation and presenting to the Board of Commissioners for approval.

In addition to evaluating the request, staff is considering the suggestion from the Mayor during the meeting that a review of the contract may be applicable in light of the request and interpretation of the current contract that calls for Brevard Fire to support Brevard Rescue (Primary Provider) for first responder and rescue services in the Sylvan Valley II District.

This morning, the Chief Budzinski questioned staff concerning the request. During that interaction, Chief Budzinski implied that the City is considering changes to the current funding mechanism in response to the County's evaluation of this request. Is that accurate?

County staff is working to understand the request and ensure it is a justified expense for the citizens in the Sylvan Valley II District. With that said, please direct questions to me and I will respond appropriately. At this point, staff is not prepared to make a recommendation to move forward. I will update you on the status when staff is prepared to make a recommendation to the County Manager and Board of Commissioners.

David McNeill

Jaime Laughter

From: David Mcneill
Sent: Thursday, November 16, 2017 3:12 PM
To: Jaime Laughter
Subject: RE:

yes

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Thursday, November 16, 2017 2:55 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Subject: RE:

Once you and your staff have reviewed, let's sit down and go over options. In the meantime, are you comfortable with me sharing the email below with commissioners so they can begin coming up to speed?

From: David Mcneill
Sent: Thursday, November 16, 2017 2:51 PM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject:

Hello Jaime,

Kevin, Gerald and I attended the City of Brevard Public Safety Committee meeting last night to discuss the rescue truck request. The City is requesting support for the purchase of a 2018 Spartan Custom Cab Rescue Truck with a purchase price of \$604,220. In addition, they are asking for \$214,000 in equipment for the truck. They are saying that the change will not impact the budget request in 2019 because the ladder truck is paid off in 2018 and the debt service will remain consistent in the new truck is financed.

We had a fairly confrontational discussion at times. The City had a salesman present the safety benefits of a custom truck design compared to a commercial chassis. As expected, he focused on the benefits of a custom truck and emphasized the custom truck safety features. Of course, as you know there is another side to that argument but in the end it is a decision that must be made by the buyer. The salesman and fire chief had presented a cost difference of \$30,000 but after discussion agreed that the actual cost difference is more like \$80,000-130,000.

We also discussed the equipment request which includes items the department already has and items specific to water, high angle, confined space and other specialty rescue activities that the County contracts with Brevard Rescue to provide in the Sylvan Valley 2 District. At times, this discussion was contentious and led to contract interpretation and expectation concerns. In fact, the Mayor suggested that we may want to revise the contract. I tend to agree with that assessment. The truck request and equipment purchase list, in my opinion, are excessive and further duplicates resources and services that the Squad is contracted to provide.

Having said this, I am looking at the contract with Brevard Fire and would like to discuss it with you at your convenience. I have staff assessing the Rescue Squad equipment and personnel to compare to Brevard Fire. If, in the opinion of staff, the Rescue Squad is moving in the right direction and can provide quality rescue services, it might be advantageous to consider a contractual revision with Brevard Fire to limit the contract to include fire protection only and remove rescue and back-up medical response services. If we elect to go in this direction, we would need to develop a funding mechanism consistent with the revised contract.

Of course, we could also consider establishing other response districts in the Sylvan Valley 2 District and contract with Conestee and Rosman in addition to the Little River and North Transylvania Districts and move each to the City limits. In either case, it works with the potential flat rate countywide if the Commissioners ultimately select that method.

Thoughts?

David

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Sent: Thursday, November 16, 2017 2:51 PM
To: Jaime Laughter

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Thoughts?

David

Jaime Laughter

From: David Mcneill
Sent: Tuesday, October 31, 2017 9:27 AM
To: Jaime Laughter; Trisha Hogan
Subject: SCBA City of Brevard
Attachments: SCBA INVOICE TRANS CO.pdf; Brevard SCBA Agenda Memo 2017.docx

Please find attached an agenda memo for the ESBA request from City of Brevard. David



The City of
Brevard
North Carolina

95 West Main Street | Brevard, NC 28712

828-885-5600

INVOICE

Transylvania County Emerg. Service
155 Public Safety Way
Brevard, NC 28712
Att: Mr. David McNeill

DATE: October 18, 2017

Sylvan Valley District 2 Portion Fire Department SCBA Air Tanks: **\$22,576.45**

The City of Brevard received a FEMA Grant for SCBA air tank replacement in the amount of \$265,715. The local cost is \$48,035.

SCBA purchase price: **\$313,750**

FEMA Grant	\$265,715.00
City of Brevard Portion	\$25,458.55
Transylvania Count Portion	<u>\$ 22,576.45</u>
	\$313,750.00

Amount Due:

\$22,576.45

Please remit to: City of Brevard, Finance Department | 95 W. Main St. | Brevard, NC 28712

**STAFF REPORT: New Business
City Council October 16, 2017 Meeting**

Date: October 16, 2017

Title: FEMA's Assistance to Firefighters Grant

Speaker: Craig F. Budzinski, Fire Chief

From: Craig F. Budzinski, Fire Chief

Prepared by: Craig F. Budzinski

Approved by: Jim Fatland, City Manager

Executive Summary:

Council will consider accepting the awarded 2016 FEMA Assistance to Firefighters Program Grant.

Background:

The City of Brevard Fire Department requests acceptance of the award for 2016 FEMA Assistance to Firefighters Grant Program to replace our Self Contained Breathing Apparatus (SCBA) and Accountability Systems. Our current SCBA's are 15 to 20 years old and at the end of their useful life cycle.

Fiscal Impact:

The grant award amount is for \$265,715. The total cost after bidding is \$313,750.

The local cost is: \$48,035

City of Brevard portion is \$25,458.55 from general fund

County Sylvan Valley 2 portion is \$22,576.45

Policy Impact:

None

Staff Recommendation:

- (1) Accept FEMA Assistance to Firefighters Grant.
- (2) Approve budget amendment transferring \$25,458.55 from general fund to Brevard Fire Department special reserve fund.
- (3) Award purchase contract to Rhinehart Fire Services in the amount of \$313,750.00

RESOLUTION NO. 2017-_____

**A RESOLUTION AWARDDING THE CONTRANT TO PURCHASE
COMPLETE SCOTT AIR-PAKS AND PAK-TRACKERS EQUIPMENT
FOR THE CITY OF BREVARD FIRE DEPARTMENT**

WHEREAS, the City of Brevard Fire Department has need to replace Self Contained Breathing Apparatus (SCBA) and Accountability Systems, and therefore desire 45 Complete Scott Air-Paks and Pak-Trackers, herein after the "Project" and received budget approval by City Council for this Project; and

WHEREAS, the City placed the Project to public bid under NC State requirements by publishing Invitation to Bid on the Project in both the Transylvania Times and Hendersonville Times News newspapers on Thursday, September 14, 2017; and

WHEREAS, in addition to the newspaper advertisement publications, the City Fire Department mailed complete Bid packets to three Fire Equipment companies: (a) Valley Safety, Candler, NC; (b) Thermo Fisher Scientific, Waltham, MA; and, (c) Rhinehart Fire Services, Candler, NC; and

WHEREAS, the Project cost total is \$313,750.00. The City has secured partial funding for the Project through a 2016 FEMA Assistance to Firefighters Grant in the amount of \$265,715. The City portion of the grant being a five percent (5%) match in the amount of \$13,285.00; and

WHEREAS, the local cost of the purchase is \$48,035 to be shared by City of Brevard (53%) \$25,458.55 and Sylvan District No. 2 (47%) of \$22,576.45; and

WHEREAS, the City has received a bid that is within the established budget for the Project, and, upon recommendation of the City Fire Chief, desires to accept the low bid, award and purchase the Project equipment; and

WHEREAS, in accordance with G.S. 143-129, the City of Brevard received a formal proposal for the Project at 10:00 A.M. on Tuesday, September 26, 2017, at Brevard City Hall; and

WHEREAS, after receiving the Bid Tabulation from this bid opening for the proposed Project, the Brevard City Council now desires to approve an award of contract.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BREVARD, NORTH CAROLINA THAT:

Section 1. A contract for the purchase of 45 Complete Scott Air-Paks and Pak-Trackers is hereby awarded to Rhinehart Fire Services, Post Office Box 36, Candler, NC 28715, for the bid price of \$313,750.00 as received at 10:00 A.M., on Tuesday, September 26, 2017, in accordance with the City's bid documents for this Project.

Section 2. The City Manager is hereby authorized and directed to execute contracts for this Project on behalf of the City as set forth in Section 1 of this Resolution.

Section 3. This Resolution shall become effective upon its adoption and approval.

Adopted and approved this the _____ day of _____, 2017.

Jimmy Harris
Mayor

ATTEST:

Desiree D. Perry, CMC, NCCMC
City Clerk

BID OPENING

Date: Tuesday, September 26, 2017
Time: 10:00 AM
Location: City Hall Administrative Conference Room
Present: City Manager James R. Fatland
Fire Chief Craig Budzinski
City Clerk Desiree Perry
Mgr. Exec. Assistant/Deputy City Clerk Jill Murray

Mr. Bob Rhinehart, Rhinehart Fire Services

Invitation to Bid: **Purchase of 45 Complete Scott Air-Paks and Pak-Trackers
City of Brevard Fire Department**

Invitation to Bid Advertised: Transylvania Times on: Thursday, September 14, 2017
Hendersonville Times News on: Thursday, September 14, 2017

Number of Bids Received: One (1)

Bid Received From: Rhinehart Fire Services
Post Office Box 36
Candler, NC 28715
Phone: 828-273-1789
Fax: 828-785-7714
Email: bob@rhinehartfire.com

At 10:00 A.M. City Manager James Fatland, in the presence of all listed above, opened the one sealed bid received from **Rhinehart Fire Services**. Bid Amount: \$313,750.00 plus local sales tax

Chief Budzinski made a quick review of the submitted bid and stated all appears to be in order, and thanked Mr. Rhinehart for the submittal.

In addition to the Invitation to Bid advertised in the two local newspapers, the Fire Department mailed complete Bid packets to: (a) Valley Safety, 155 Jacob Holm Way, Candler, NC 28715; (b) Thermo Fisher Scientific, 168 Third Avenue, Waltham, MA 02451; and (c) Rhinehart Fire Service, PO Box 36, Candler, NC 28715. (A copy of the USPS Certificate of Mailing is on file.)

STAFF REPORT

City Council, Monday, October 16, 2017

Title: **Text Amendment – Brevard City Code – Chapter 30 Fire Prevention and Protection**

Speaker: Daniel Cobb, AICP, Planning Director

From: Daniel Cobb, AICP, Planning Director
Craig Budzinski, Fire Chief

Prepared by: Daniel Cobb, AICP, Planning Director

Approved by: Jim Fatland, CFPO, City Manager

Background

Commercial, industrial, and multifamily residential construction projects have been installing KnoxBox Rapid Entry systems since 2011. This amendment is to clarify when such systems are required and to ensure the Fire Department has quick and secure access to fire department connections (FDC).

Policy Analysis

A top priority for municipalities is health and safety of its residents. A key component of that is safe and efficient access for fire personnel. These systems assist in making sure that access is available.

Recommendation

Staff recommends approval of the amendments as presented; see attached Ordinance.

City Council's options regarding this change are included below:

1. Adopt the amendments as written.
2. Adopt the amendment as revised by the Council.
3. Reject the amendment.

Fiscal Impact

None at this time.

Exhibit

- A. Adopting Ordinance

Attachments

- B. Proposed Amendments

Transylvania County Agenda Memo

Agenda Item:

Meeting Date: Nov. 14, 2017

From: Emergency Services

Date: October 30, 2017

Subject: SCBA Replacement Sylvan Valley 2 District Cost

Department: City of Brevard

Public Hearing: No

Contact Information: David McNeill

Attachment: Invoice for Sylvan Valley 2 Portion for SCBAs Brevard Fire Department

Purpose: Purchase of 45 SCBAs for Brevard Fire Department.

Background: The City of Brevard requested the purchase of SCBAs in the 2017/2018 budget. The budget estimate was \$389,250. Commissioners instructed staff to present recommendation during the fiscal year once bid and grant information was received. The City of Brevard received a FEMA Grant in the amount of \$265,715 for purchase of SCBAs for the Brevard Fire Department. The City of Brevard received a bid for \$313,750 for the SCBA purchase. The bid subtracted by the FEMA Grant leaves \$48,035 to be split 53% City of Brevard (\$25,458.25) and 47% Sylvan Valley 2 District \$22,576.45.

Financial Impact: \$22,576.45 from the Sylvan Valley 2 Reserve. The Sylvan Valley 2 Reserve had \$128,050.53 on June 30, 2017.

Strategic Plan Goal & Strategy: Goal 5, Strategy 5A

Recommendation(s): Recommend approval of purchase and payment of \$22,576.45 to City of Brevard from Sylvan Valley 2 District Reserve.

Jaime Laughter

From: David Mcneill
Sent: Tuesday, July 25, 2017 9:33 AM
To: Jaime Laughter
Cc: Gerald Grose

Hello Jaime,

Fire Department ratings from the recent rating response survey are coming in. So far;

Cedar Mtn: Insurance Protection Rate effective November 1, 2017	4/9E	previously 5
Connestee: Insurance Protection Rate effective November 1, 2017	5/9E	previously 6
Lake Toxaway: Insurance Protection Rate effective November 1, 2017	5/9E	previously 7
Little River: Insurance Protection Rate effective November 1, 2017	4/9E	previously 6
Sylvan Valley 2: Insurance Protection Rate effective November 1, 2017	5/9E	previously 5

Still waiting on Rosman, North Transylvania rating survey is this fall. Balsam Grove survey is the end of July.

Great job by the Departments

David

Jaime Laughter

From: David Mcneill
Sent: Monday, July 03, 2017 3:30 PM
To: Gay Poor
Cc: Jaime Laughter
Subject: FW: Brevard Fire District

Gay, please see information below. The budget included the BOC approving funding from the Sylvan Valley 2 District tax for quarterly payments and funding for equipment needed by North Transylvania (Up to \$10,000) and Little River (Up to \$5,000). The generator is a portion of the \$10,000 for North Transylvania. We did it this way so they did not have to try to come up with money in their budget to get the equipment they need to assume fire and rescue in the new assigned districts. This is what Jaime presented to the Board.

David

From: Gay Poor [mailto:Gpoor@transylvaniacounty.org]
Sent: Tuesday, June 13, 2017 4:34 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Subject: RE: Brevard Fire District

It does help. Thank you.

From: David Mcneill
Sent: Tuesday, June 13, 2017 3:32 PM
To: Gay Poor
Cc: Jaime Laughter
Subject: RE: Brevard Fire District

The budget request for the Sylvan Valley 2 Fire Service Tax

Brevard Fire: \$374,303 (4 quarterly payments)

North Transylvania Fire \$15,575 (4 quarterly payments)

Budget included approval of up to \$10,000 from the current Sylvan Valley 2 reserve for equipment needed by North Transylvania to start up services in the new district. North Transylvania will submit equipment and cost to Gerald for approval and he will forward request to finance. This is in addition to the quarterly payments.

Little River Fire \$\$6,800 (4 quarterly payments)

Budget included approval of up to \$5,000 from the current Sylvan Valley 2 reserve for equipment needed by Little River to start up services in the new district. Little River will submit equipment and cost to Gerald for approval and he will forward request to finance. This is in addition to the quarterly payments.

Remainder of Sylvan valley 2 added to reserve \$76,322 estimate

Hope this helps David

From: Gay Poor [<mailto:Gpoor@transylvaniacounty.org>]
Sent: Tuesday, June 13, 2017 2:23 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Cc: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: RE: Brevard Fire District
Importance: High

David,

I am trying to finish up the Budget Ordinance for FY 18 and need your help on the fire departments. I have attached the sections that pertain to them. The amount appropriated to the fire departments does not currently equal the tax revenues collected because a portion of the Sylvan Valley 2 District will be distributed to North Transylvania and Little River. Do you know yet how much of the \$98,697 difference between Sylvan Valley 2 collections and appropriations will go to each of these districts? Jaime told me that some of the difference would go into a reserve.

Thanks,
Gay

From: David Mcneill
Sent: Tuesday, June 06, 2017 5:10 PM
To: Gay Poor
Subject: RE: Brevard Fire District

Hello Gay,

The total budget request for Brevard Fire was \$2,035,640

Of that \$1,239,250 is proceeds from loan or grant (\$850,000 for the rescue truck and \$389,250 from a grant or loan if grant is not approved)

$\$2,035,640 - \$1,239,250 = \$796,390$

$\$796,390 \times .47 = \$374,303$ (County portion of budget)

From: Gay Poor [<mailto:Gpoor@transylvaniacounty.org>]
Sent: Tuesday, June 6, 2017 3:18 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Subject: Brevard Fire District
Importance: High

David,

What is the total recommended County appropriation for the Brevard Fire department for FY 18?

Thanks,
Gay

Jaime Laughter

From: David Mcneill
Sent: Tuesday, June 13, 2017 3:32 PM
To: Gay Poor
Cc: Jaime Laughter
Subject: RE: Brevard Fire District

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Remainder of Sylvan valley 2 added to reserve \$76,322 estimate

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To: David Mcneill
Cc: Jaime Laughter
Subject: RE: Brevard Fire District
Attachments: 20170613142449451.pdf

Importance: High

David,

I am trying to finish up the Budget Ordinance for FY 18 and need your help on the fire departments. I have attached the sections that pertain to them. The amount appropriated to the fire departments does not currently equal the tax revenues collected because a portion of the Sylvan Valley 2 District will be distributed to North Transylvania and Little River. Do you know yet how much of the \$98,697 difference between Sylvan Valley 2 collections and appropriations will go to each of these districts? Jaime told me that some of the difference would go into a reserve.

Thanks,
Gay

From: David Mcneill
Sent: Tuesday, June 06, 2017 5:10 PM
To: Gay Poor
Subject: RE: Brevard Fire District

Hello Gay,

The total budget request for Brevard Fire was \$2,035,640

Of that \$1,239,250 is proceeds from loan or grant (\$850,000 for the rescue truck and \$389,250 from a grant or loan if grant is not approved)

$\$2,035,640 - \$1,239,250 = \$796,390$

$\$796,390 \times .47 = \$374,303$ (County portion of budget)

From: Gay Poor [<mailto:Gpoor@transylvaniacounty.org>]
Sent: Tuesday, June 6, 2017 3:18 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Subject: Brevard Fire District
Importance: High

David,

What is the total recommended County appropriation for the Brevard Fire department for FY 18?

Thanks,

Jaime Laughter

From: David Mcneill
Sent: Monday, June 05, 2017 5:02 PM
To: Jessica McCall; Jaime Laughter
Cc: Gay Poor
Subject: RE: Tax Rates

North Transylvania rate should remain 0.1279. That should generate \$157,200 in revenue. David

From: Jessica McCall [mailto:jessica.mccall@transylvaniacounty.org]
Sent: Monday, June 5, 2017 12:25 PM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Cc: David McNeill <David.McNeill@transylvaniacounty.org>; Gay Poor <Gpoor@transylvaniacounty.org>
Subject: RE: Tax Rates

Thank you!

From: Jaime Laughter
Sent: Monday, June 05, 2017 11:59 AM
To: Jessica McCall <jessica.mccall@transylvaniacounty.org>
Cc: David McNeill <David.McNeill@transylvaniacounty.org>; Gay Poor <Gpoor@transylvaniacounty.org>
Subject: RE: Tax Rates

Jessica,

We are changing the response, but not the service district so Sylvan Valley II would be collected and redistributed to the three different responding agencies per contract.

David,

Can you confirm the tax rates below for Jessica? This is what I have based on my notes.

Department	2018 FT Rate
Sylvan Valley 2	0.0550
Rosman Fire Department	0.1159
Little River Fire Department	0.0911
Connestee Fire Department	0.0767
Cedar Mountain Fire Department	0.1378
Lake Toxaway Fire Department	0.0479
North Transylvania Fire Department	0.1669

From: Jessica McCall
Sent: Monday, June 05, 2017 10:28 AM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: Tax Rates

Good Morning Jaime,

I hope you had a great weekend!!! The weekends tend to pass by quickly.

The 2017 tax rates must be entered in the motor vehicle system (NCVTS) by June 28th to ensure the correct rates on the September 2017 renewals. I wanted to be sure we will have the new tax rates by that time.

Also, are the proposed new service districts intended to be effective for the 2017 tax year? Is this intended to make a tax rate change for these areas or just a service district change – maybe both??? If it's changing the tax situs for 2017, those changes must be to NCVTS system no later than June 19th.

Please let me know!

Thanks,

Jessica

Jessica A McCall
Transylvania County Tax Administration
Tax Administrator
20 E Morgan St Ste 1
Brevard NC 28712
828-884-3200
jessica.mccall@transylvaniacounty.org

Jaime Laughter

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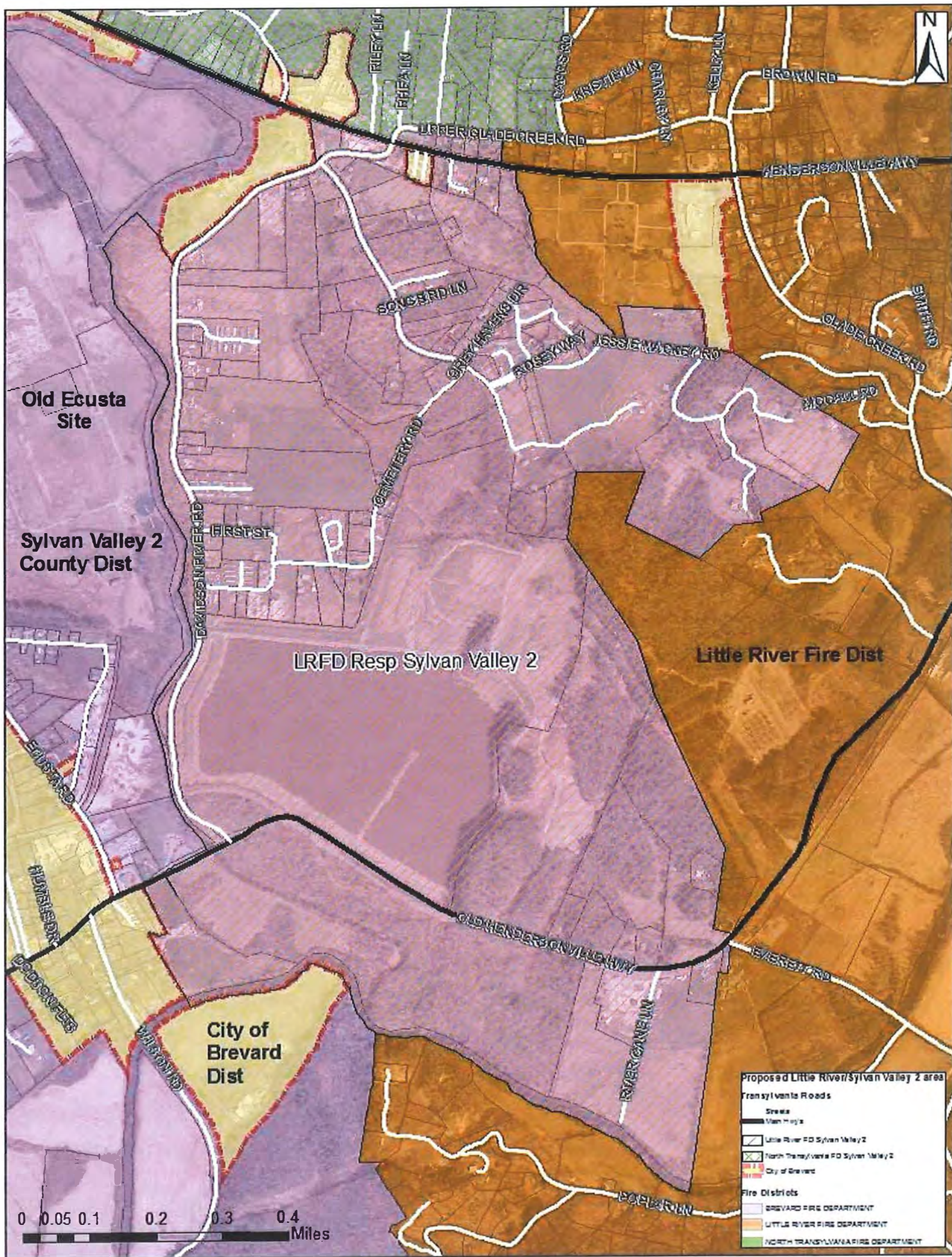
Jessica A McCall
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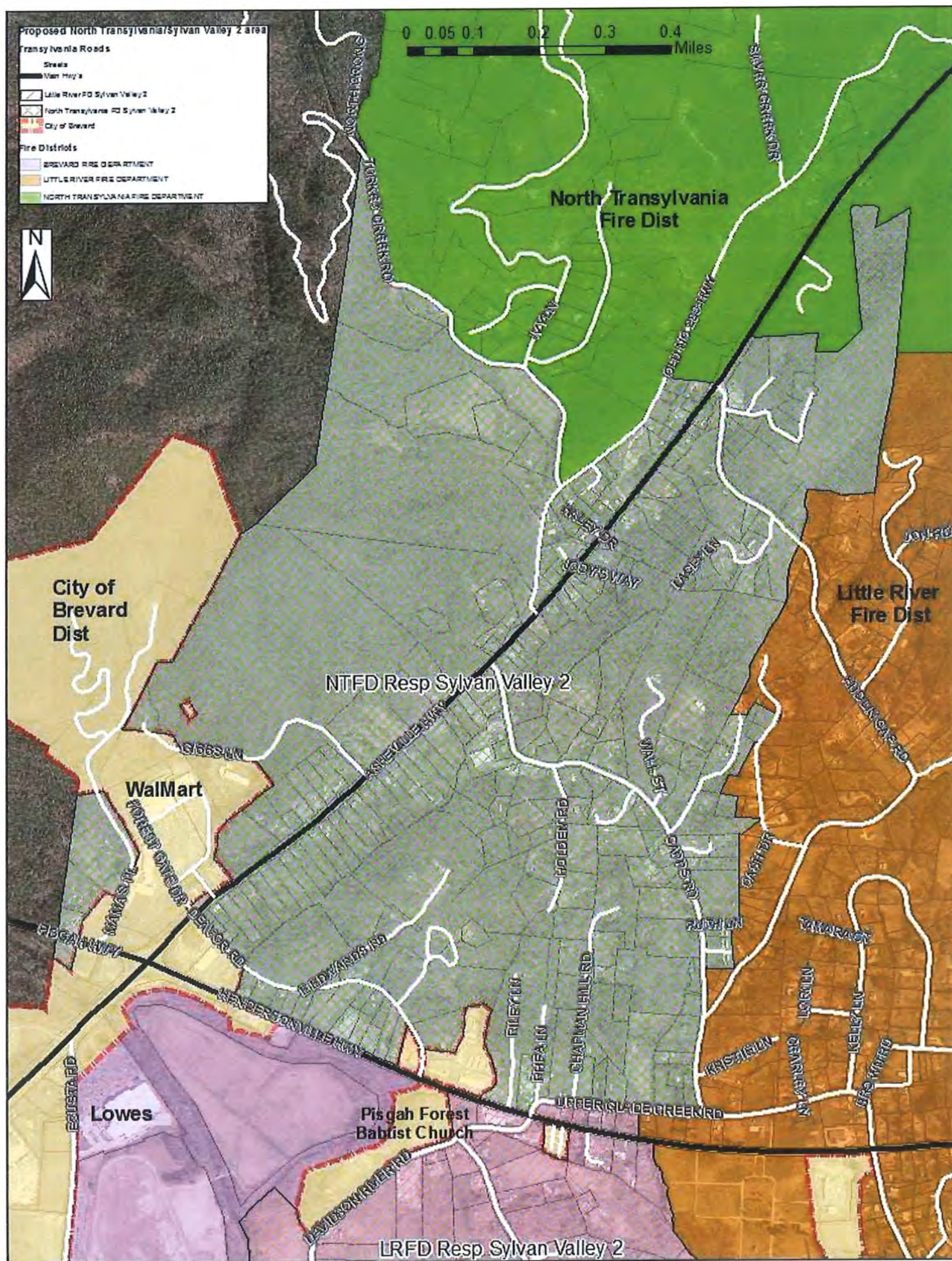
Jaime Laughter

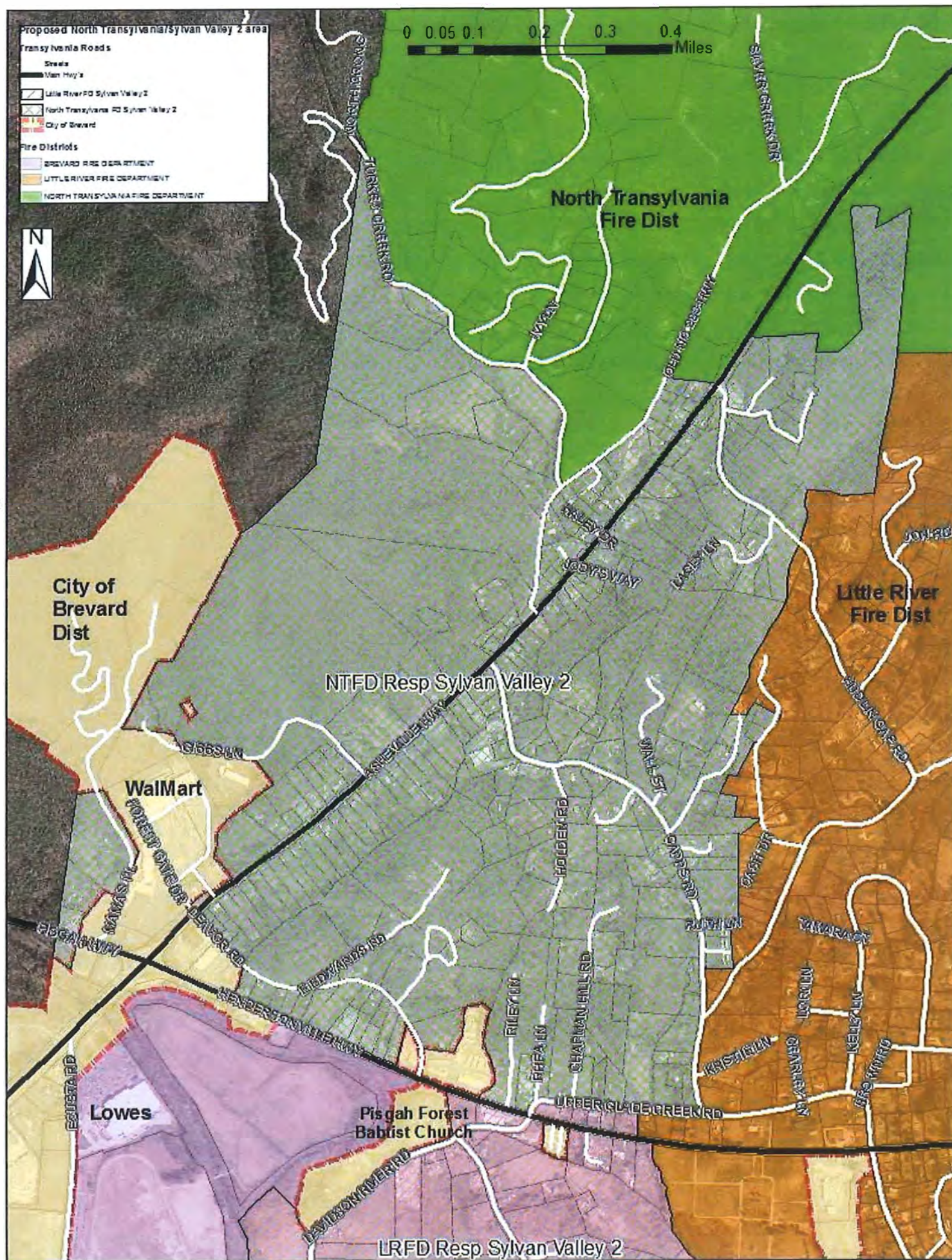
From: Kevin Shook
Sent: Monday, May 15, 2017 4:27 PM
To: Jaime Laughter
Subject: jpegs
Attachments: Little River_SylvanValley2.jpg; NorthTransylvaniaSylvan2.jpg; PisgahForestSylvan2.jpg

Find attached the jpegs you requested. Let me know if you would like any changes.

Kevin R Shook, Communications Director/Addressing Coordinator
Emergency Management Coordinator
Transylvania County Emergency Services
Shipping : 155 Public Safety Way
Mailing : 101 S Broad St
Brevard, NC 28712
Phone (828)884-3108 ext 2
Fax (828)862-8925
email kevin.shook@transylvaniacounty.org
email tcem3@citcom.net







Jaime Laughter

From: Jim Fatland <jim.fatland@cityofbrevard.com>
Sent: Wednesday, May 17, 2017 4:27 PM
To: David Mcneill
Cc: Jaime Laughter;Craig Budzinski;Bradley Elmore
Subject: RE: jpegs

10-4

Jim Fatland, CPFO
City Manager
City of Brevard
95 West Main Street
Brevard, NC 28712
828.885.5602
828.885.2853 (Fax)
www.cityofbrevard.com



**** Please note that email sent to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.*

From: David McNeill [mailto:david.mcneill@transylvaniacounty.org]
Sent: Wednesday, May 17, 2017 3:00 PM
To: Jim Fatland <jim.fatland@cityofbrevard.com>
Cc: 'Jaime Laughter' <jaime.laughter@transylvaniacounty.org>; Craig Budzinski <craig.budzinski@cityofbrevard.com>; Bradley Elmore <Bradley.Elmore@cityofbrevard.com>
Subject: RE: jpegs

10am Friday morning at the Public Safety Facility is fine. David

From: Jim Fatland [mailto:jim.fatland@cityofbrevard.com]
Sent: Tuesday, May 16, 2017 2:37 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Cc: Jaime Laughter <jaime.laughter@transylvaniacounty.org>; Craig Budzinski <craig.budzinski@cityofbrevard.com>; Bradley Elmore <Bradley.Elmore@cityofbrevard.com>
Subject: RE: jpegs

David,

The Fire Chief and I would like to meet with you on Friday May 19th to answer questions about fire truck replacement, and how proposed changes to Sylvan #2 impact FY18 Budget. Will 10AM work for you?

Jim

Jim Fatland, CPFO
City Manager
City of Brevard
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From: Jaime Laughter [<mailto:jaime.laughter@transylvaniacounty.org>]
Sent: Monday, May 15, 2017 8:27 PM
To: Jim Fatland [jim.fatland@cityofbrevard.com]
Cc: Craig Budzinski [craig.budzinski@cityofbrevard.com]; David McNeill [David.McNeill@transylvaniacounty.org]
Subject: FW: jpegs

Jim,

I appreciate the guidance you gave me at our joint meeting week before last that looking at how we contract may be a solution to both the response time issues between City limits and also confirming for me that the city sees a critical public safety issue due to the train trestle with no opportunity with WATCO to resolve it. I understand now that you may have been taking a different direction with contracting now that I understand that you approached North Transylvania without our staff being involved, but nevertheless, we presented commissioners in workshop with a potential solution that creates three response districts in Sylvan Valley II with two areas being contracted with out of both North Transylvania and Little River. The maps prepared today are attached that we presented. This will improve response times for the two response districts and also provide access to the community without issues with the trestle. Further, understanding that this solution is late in the budget process, staff has recommended that the city be held harmless for the change as far as budget.

The recommendation would be to set the Sylvan Valley II district at 5.5 cents and to fund the city along with the other two districts out of the Sylvan Valley budget. Commissioners agreed to fund the evening staffing and to keep the airpicks in the budget, but if the grant does not go through they want to reconsider whether they are committed to the debt service long term. They are also not willing to agree to future debt service on the rescue truck and equipment at this time.

Please let David and I know if you have any questions! I think this solution will address some of the concerns raised by the city and improve response times while not penalizing the city budget. In future years we would evaluate the cost of each fire department to serve the response area they are assigned in order to set the Sylvan Valley II rate.

Jaime

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Kevin R Shook, Communications Director/Addressing Coordinator
Emergency Management Coordinator
Transylvania County Emergency Services
Shipping : 155 Public Safety Way
Mailing : 101 S Broad St
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email kevin.shook@transylvaniacounty.org
email tcm3@citcom.net

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email tcm3@citcom.net

Jaime Laughter

From: David Mcneill
Sent: Wednesday, May 17, 2017 10:37 AM
To: Jaime Laughter; Trisha Hogan
Subject: Fire Response District Maps
Attachments: Agenda Memo Fire Response District Maps.docx

Jaime,

Please review the attached agenda memo. David

Transylvania County Agenda Memo

Agenda Item:

Meeting Date: 5/22/17

From: Transylvania County Emergency Services

Date: May 17, 2017

Subject: Fire/Rescue Response District inside Sylvan Valley 2 Service District

Department: Transylvania County Emergency Services

Public Hearing: No

Contact Information: David McNeill

Attachment: Proposed Fire Response Maps / Fire Insurance Maps

Purpose: Improve Operational Efficiency in Proposed Districts

Background: In response to concerns and questions concerning response times, insurance rating and overall operational efficiency in portions of the fire service districts. Staff identified opportunities to address immediate concerns in the Northeast section of the Sylvan Valley 2 Fire Service District. The Transylvania County Board of Commissioners is authorized to provide fire services through a contractual arrangement with one or more fire departments.

Staff is recommending the Board of Commissioners approve the establishment of 3 Response (Insurance) Districts within the Sylvan Valley 2 Fire Service District and contract with Brevard Fire, North Transylvania Fire and Little River Fire Department for the provision of services within each respective District (see attached maps)

The proposed response districts will assume the insurance rate of the department contracted to provide services in that response district. Staff will prepare new Response (Insurance) District Maps and submit them to the North Carolina Department of Insurance for approval. The Department of Insurance will make a determination if a rating inspection is necessary based on newly approved maps and schedule if necessary.

Response Districts

Sylvan Valley 2 Brevard: Current Insurance Rate 5, Insurance Rate after change 5

Sylvan Valley 2 Little River: Current Insurance Rate 5, Insurance Rate after change 6. It should be noted that the large majority of properties in the new response district is residential that do not benefit from an insurance class below a 6.

Sylvan Valley 2 North Transylvania: Current Insurance Rate 5/9E, Insurance rate after change 5 (Those properties currently 9E will assume the Insurance rating of 5).

The approval of these changes will result in shorter response mileages and response times and eliminate the need for removal of privately held train trestle on Davidson River Road. The change also reduces the insurance rate for some home owners in the Sylvan Valley 2 North Transylvania Fire Response District because the properties will be located within the 5-mile response rated district for North Transylvania Fire Department. This change will also eliminate the need for a sub-station for Brevard Fire to service the affected area.

Staff is recommending a fire tax rate in the Sylvan Valley 2 District of 0.0550. The rate will provide funding for the 3 contract agencies per contractual arrangement and support future strategies to improve fire protection in other areas with the Sylvan Valley 2 Fire Service District.

Financial Impact: Fire Tax rate 0.0550

Strategic Plan Goal & Strategy: Goal 5, Strategy 5A

Recommendation(s): Approve Newly Established Response Districts and Instruct staff to Contract with City of Brevard, Little River Fire and North Transylvania Fire

Jaime Laughter

From: David Mcneill
Sent: Monday, May 15, 2017 12:03 PM
To: Jaime Laughter
Attachments: 2018 Fire Budget Spreadsheet.xlsx

Revised spreadsheet with 0.0550 fire tax rate for Sylvan Valley 2. We will have copies with maps. David

Jaime Laughter

From: David Mcneill
Sent: Monday, May 15, 2017 10:15 AM
To: Jaime Laughter
Attachments: 2018 Fire Budget Spreadsheet.xlsx

Updated spread sheet based on our conversations. David

Fire Department Budgets
Fiscal Year 2018

	A	B	C	D	E	F	G	H	I	J	K	L
1	Department	2017 Budget	2018 Budget Request	Fire Tax Portion	Additional Personnel Request	Capital Request	Key Issues Considerations	2017 FT Rate	2018 FT Rate	FT Rate minus Personnel	FT Rate minus capital	Rescue Truck Brevard Fire
2	Sylvan Valley 2 Brevard Fire Department	\$898,098	\$2,035,640	\$374,303	Evening Staffing \$51,240, staffing justification in Brevard Fire Budget package.	Air Pack Replacement \$389,250 \$43,500 annually for 10 years beginning in 18 budget. (Grant applied for)	Staff is recommending a fire tax rate of 0.0550 to fund Brevard, North Transylvania and Little River fire services in the Sylvan Valley 2 District. All funds collected in excess of the approved budgets for each will be placed in reserve for future improvements to Sylvan Valley 2 areas.	0.0393	0.0550			
3						Rescue Truck \$850,000 (debt service to begin in 19 budget, Ladder Truck pays off)						Result in \$95,004 in debt service in 19
4								0.0393	0.0435	0.0407	0.0383	
5	Sylvan Valley 2 Little River							0.0393	0.0435	0.0407	0.0383	
6	Sylvan Valley 2 North Transylvania							0.0393	0.0435	0.0407	0.0383	
	Rosman Fire Department	\$489,703	\$524,904	\$524,904	Additional Staffing \$28,000, Rosman provided information on proposed staffing changes.			0.1091	0.1159	0.1097		
7	Little River Fire Department	\$432,495	\$451,994	\$451,994			Little River Sylvan Valley 2 Response District. The County Commisioners can contract with one or more departments for services with a service district. The establishment of a Little River Response District within the Sylvan Valley 2 District will improve response times to the Davidson River Road and Cemetary Raod area without impacting the Trestle on Davidson River Road. Draft Response District Maps available.	0.0877	0.0911			
8	Connestee Fire Department	\$612,912	\$707,212	\$707,212	Additional Staffing, Connestee provided justification for added staffing and a staffing plan for consideration \$80,000			0.0673	0.0767	Minus 1 person 0.0724 No Personnel Increase 0.0681		
9	Cedar Mountain Fire Department	\$279,675	\$297,057	\$194,000	Staffing Increase \$5,000 (no increase in county fire tax funding request for 18, revenue increase from Greenville County of \$5,000)			0.1331	0.1378			

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11	Lake Toxaway Fire Department	\$739,091	\$780,343	\$780,343	Additional Staffing Request for 2nd personnel. The department has hired a 2nd staff member and is currently paying staff utilizing savings. Cost of additional staff \$45,000	Department requesting \$35,000 in building fund for future additional of a 3 bay building behind main station to house equipment. Department reports need for additional storage space for apparatus and equipment.		0.0459	0.0479	0.0451	0.0430	
12	North Transylvania Fire Department	\$161,400	\$208,050	\$208,050			North transylvania Sylvan Valley 2 Response District. The County Commisioners can contract with one or more departments for services with a service district. The establishment of a North Transylvania Response District within the Sylvan Valley 2 District will improve response times to the areas off highway 280 and expand the response and coverage area of the North Transylvania Fire Department. Draft Response District Maps available.	0.1279	0.1669	No FT increase 0.1279 Budget 160,200, Department must cut \$47,850		
13	Balsam Grove Fire Department	\$97,427	\$98,227	\$97,277			Balsam Grove has a large geograpical district with a small property valuation. This makes the funding of the department more complicated and challenging. The department has financial needs but revenue is limited. The dpartment is the only department in the County with no paid staffing. Given the remote area and response times from EMS, a paid EMT would be extremely beneficial to the medical first response component which is a large percentage of the department's call volume.	0.1089	0.1098			

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Jaime Laughter

From: David Mcneill
Sent: Sunday, May 14, 2017 7:24 PM
To: Jaime Laughter;Gerald Grose
Subject: FW: BFD Rescue Truck SCBA Replacement
Attachments: Rescue 21 Replacement Justification.doc; Copy of Rescue Equipment.xlsx; SCBA Request Justification 2017.docx

I just received this from Jim Fatland. Gerald can you review and lets discuss in the morning? I will be at meeting tomorrow night. David

From: Jim Fatland [mailto:jim.fatland@cityofbrevard.com]
Sent: Saturday, May 13, 2017 1:02 PM
To: David Mcneill <David.McNeill@transylvaniacounty.org>; Gerald Grose <gerald.grose@transylvaniacounty.org>
Cc: Craig Budzinski <craig.budzinski@cityofbrevard.com>; Bradley Elmore <Bradley.Elmore@cityofbrevard.com>
Subject: FW: BFD Rescue Truck SCBA Replacement

David/Gerald:

Attached is information requested for the FY18 Proposed Brevard Fire/Sylvan District #2.

If you need additional information, please let me know.

Jim

Jim Fatland, CPFO
City Manager
City of Brevard
95 West Main Street
Brevard, NC 28712
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From: Craig Budzinski
Sent: Friday, May 12, 2017 3:10 PM
To: Jim Fatland <jim.fatland@cityofbrevard.com>

Cc: Bradley Elmore <Bradley.Elmore@cityofbrevard.com>; Mark Norton <Mark.Norton@cityofbrevard.com>

Subject: BFD Rescue Truck SCBA Replacement

Jim,

Please find attached the justifications for the rescue truck and SCBA requested.

Thank you

Craig

Craig F. Budzinski
Fire Chief
City of Brevard F.D.
Cell 828-329-1349

City of Brevard Fire Department

Rescue 21 Replacement

Rescue 21 is a 1996, 21,185 miles (21 years old and 22 when new apparatus arrives), International with a Hackney body that currently carries all our NCRRS required equipment for a service truck and heavy rescue standard equipment. This particular truck has served its purpose within the fire department and it is time for replacement. It is used for our NCRRS in Sylvan Valley 2 district and residential calls in both districts as a service truck. It responds on all rescue calls in the city and MVC's in Sylvan Valley 2.

Issues

Rescue 21 is 21 years old and is obsolete in terms of firefighter/public safety, functionality and performance standards. It has no ABS brakes, stability control or air bags, the truck does not meet the current NFPA standards for first line fire apparatus. The truck burned (see pictures) in 2003 and against International's recommendations the League of Municipalities Insurance had the truck repaired. It has caused us many problems since that time, all the wiring was burned and the truck has lower engine power and many truck mechanical failures. An example is the light tower is non-repairable because of too many wiring issues to fix it. It is utilized in our fire district as a first-line service/rescue truck and can be called to our mutual aid departments for a heavy rescue. Rescue 21 is currently the only heavy rescue rated truck in Transylvania County. It does respond on residential fires in Sylvan Valley 2.

Replacement Apparatus

The fire department has spec'd a new apparatus that would meet all current and applicable NFPA 1901 standards. The new apparatus would have capacity to hold all our needed equipment, now and into the future. It will be a Spartan custom cab with all the current safety features, roll stability, ABS brakes, knee and head air bags, seat belt warning alarm and LED display and all safety lighting. It will have a 22' Emergency Vehicles, INC (EVI) body. The body will have stairs to the top coffin boxes for firefighter safety, and roll up doors to access the side compartments. To reduce noise on the scene the apparatus will have a stand-alone diesel 10KW generator on top that will let the truck engine be off but still run all lights and needed equipment. The current cost of this truck is estimated at \$588,900. The replacement of this truck is beneficial to the fire department because it will allow for safer driving for fire department members. This truck is instrumental in the department maintaining the Sylvan Valley 2 rating of 5 and the Rescue Association Heavy Rescue Standard.

NFPA 1911/NCRRS

NFPA 1911 is the national fire protection standard on Fire Department Automotive Apparatus Inspection, Maintenance and Retirement. This standard outlines areas such as firefighter safety, maintenance, design, required equipment, and replacement schedules. NFPA states that the replacement schedule for fire department apparatus is 15 years for first-line apparatus. At 15 years, it can be moved to reserve status and replaced at 25 years. The 1901 standard requires ABS brakes, automatic transmission, secondary braking, shorter braking distances, a load management system, better FF seating/seat belts, air bags, a lower center of gravity, rear reflective stripping and governed to 60 miles per hour. Fire department apparatus is just like any other piece of equipment that is in the fire service in that it must be phased out when it has served its purpose.

Our North Carolina Fire Suppression Rating Schedule of a 5 in Sylvan Valley 2 requires us to have and respond an equipped service truck on every structure response.

Fire Department Apparatus/Equipment Committee

The Brevard Fire Department currently utilizes an apparatus committee that is charged with the task of looking at the current needs of the fire department in regards to apparatus and equipment. This committee was formed in 2003 when the fire department was looking to add a new engine to the apparatus fleet. These committee members have worked tirelessly over those years to ensure that the fire department is progressing in a positive manner in regards to firefighter safety and apparatus operations. Engine 21, 22, 24, Tanker 21, 22 and Truck 21 are examples of the hard work that the apparatus committee has accomplished. We feel that these six pieces of apparatus are something that the fire department, city government, county government, as well as the tax payers can be proud of. A few members of this committee have also served on similar committees with larger fire departments such as Asheville, West Buncombe, Charlotte and Hickory. The experience and knowledge that the fire department has at its discretion in regards to apparatus committee's is unparalleled throughout Western North Carolina. The fire department feels that by replacing this apparatus, we are ensuring that the tax payers are getting a long term investment in the way the fire department operates. The addition of a service/rescue apparatus will allow the fire department to continue to progress in helping to protect the citizens and visitors that enjoy our area. Protecting the Sylvan Valley 2 fire district's people and assets are the most important responsibility that the fire department takes charge of. The fire department's goal is to continue to provide a higher level of service that the city, county and the citizens have grown accustomed too.

Equipment

We are looking at new equipment to replace some of our aging equipment that we now carry. Equipment, like apparatus, is governed by NFPA standards. Examples of equipment with expiration dates that our current equipment is close to reaching are rope, air bags, dry suits and PFD's.

We are looking to transfer some of our usable equipment over to the new apparatus like some of the new extrication equipment and purchase some new equipment we currently do not have, example thermal imager camera.

See attached list we will use for pricing.

Financing

The department would like to finance the replacement apparatus over a ten year period and take advantage of low interest bank financing. The apparatus payment will take the place of the current aerial truck payment and start in FY 2019 budget. The total maybe less, but not more than \$850,000, after approval and pricing out of needed equipment







Equipment
Classification
Area

Quantity
Required

Generator	1
Lighting Equipment	8
	6
	2
	4
	4
	2
	2
	1
Fire Protection	1
	2
	1
	1
	1
Cribbing & Stabilization	60
	30
	20
	12
	12
	12
	4
	24
	40
	5
	8
	16
	16
	1
	4
	1
	4
	4
	4
	6
	3

High Level Equipment	36
	3
	3
	3
	24
	8
	8
	6
	6
	6
	6
	6
	6
	4
	4
	6
	1
	2
	1
	2
	4
Handled Tools	2
	2
	1
	1
	1
	2
	2
	3
	1
	2
	1 each
	1
	1
	1
	1
	1

	1
	1
	1
Traffic Control Crowd Control Haz-Mat Communications	1
	12
	1
	8
	1
	2
	1
	1
	1
	1
	Minimum of 5
	Minimum of 25
	1
	3
Pulling Equipment	
	1
	1
	1
	2
	1
	2
	2
	4
	4
	1
	8
	1
	1
	1
	1
	2
	2
	4
	2

	2
	1
	3
	2
	1
	3
	4
	3
	2
	3
	1
	1
	1
	1
Heavy Hydraulic Rescue Tools	2
	3
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	1
	3
	10
	10
	4
	2
	1
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	2

Hand Tools	2
	1
	1
	1
	1
	1
	1
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	1
	1
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	1
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	1
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	1
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	4
	2
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	2
	10

Miscellaneous	4
	1
	1
	1
	1
	6
	6
	6
	1
	3
	3
	3
	3
	1
	1
	200
	1
	1
	1
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	8
	8
	6
	6
	2
	2
	1
	1
	8
	2
	2
	1
	2
	1
	1
SCBA	6
	12
	1
	4
	1
	4
	4
	4
	2
	2
Medical Care	1
	2
	1
	2
	1
	2
	1
	1
	2
	1
	1
	2
	2
	1
	1
	1
	2

	1
	1
	1
	2
	2
	100
	4

Heavy Rescue Equipment

3kw Generator (Portable)
Handlights (Portable) 6V Rechargeable Box Light Style
Headlamp Light
Battery Powered Portable Tripod Light
Lights (portable/tripod) Combined 4000Watts
12/3 Extension cord 100'
Power Distribution Box
12/3 GFCI
10 lb Dry Chem Extenguisher
10 lb CO2 Extenguisher
Water Can
Purple K Extenguisher
Class D Extenguisher
4"x4"x24" Minimum Block Cribbing
4"x4"x48" Block Cribbing
2"x4"x24" Minimum Block Cribbing
6"x6"x24" Minimum Block Cribbing
6"x6"x36" Block Cribbing
6"x6"x48" Block Cribbing
4"x4"x12' Cribbing
6"x6"x24" Minimum Wedges
4"x4"x18" Minimum Wedges
Wheel Chocks
Step Cribbing
1"x48" Minimum Pickets Rolled Steel
Picket Caps/Covers
Rescue 42 Rescue Kit W/ Tripod
Rescue 42 Manual Lift Jack
1200 total feet 1/2" low stretch rope
300 total feet 5/8" low stretch rope
Class II Harnesses- Will have exceed requirement and utilize Class III
Class III Harnesses
Conterra Rigging Bags
Rescue Helmets (Orange)
Conterra Magnum Rope Bag
Rope bags for remainder of rescue ropes

Carabiners
SMC NFPA G 6 Bar Rack
SMC NFPA G Compact U Rack
Rigging Plate
8mm Prussik Slings
25'X 1/2" Body Chords
25'X 2" Tubular Webbing
5' X 1" Tubular Webbing Green
12' X 1" Tubular Webbing Yellow
15' X 1" Tubular Webbing Blue
20' X 1" Tubular Webbing Red
25' X 1" Tubular Webbing Black
Double Sheave Pulleys
Single Sheave Pulleys
CMC Aztek Pro Series System
Edge Rollers/ Pads
Line Gun
Kootenay Pulley
Yosemite Pre Rig
Line Deployment Sling Shot
Super Clip Rescue Clip for Pike Pole
Harken RopeWinch
Harken LokHead Winch
CMC MPD
Petzl Ascension Handled Ascenders
22oz Claw Hammers w/ 15" Handles
Military Type Folding Shovel
24" Bolt Cutter
36" Bolt Cutter
Large Cable Cutter
Flat Pry Bar
Pry Bar 15"
Pry Bar 51"
Crow Bar 36"
Halligan Bar 30"
Pick (Point & Chisel) 36" & 51"Handle
Scoop Shovel
Flat Head Axe 8 lb w/ slot
Pick Head Axe 8lb
Flat Head Axe 8lb Fiberglass Handle w/ slot
Pick Head Axe 6lb Fiberglass Handle

54" Jumbo Pro Bar
"PIG" Striking Tool
Sledge Hammers 8 lb
Round Point Shovel (Long Handle)
Square Point Shovel (Long Handle)
6' NY Roof Hook
6' Talon Hook
8' NY Roof Hook
12' NY Roof Hook
10lb sledge Hammer
16lb sledge Hammer
Set of Elevator Keys
Colorado Hook
Rigid Frame Hacksaws
Hacksaw Blades
Handsaw, Carpenter Type
Bow Saw 24"
Chain Saw
Spare Chain
Roof Saw w/ carbide tip chain
Electric Chain Saw
Chain Saw Files
Flat Chain Saw File
Chainsaw Chaps
Recipricating Saws (2 Electric AC) (2 Electric Battery)
Recipricating Sawblades
Rotary Saw 14"
Spare Rotary Saw Blades for metal and masonry
12 Chopper Carbide Blade
Circular Saw 7 1/4"
Spare Circular Saw Blades For wood
Spray Bottles with non-flammable lubricant
Air Chisel Kit
Impact Hammer (Ajax x11)
Bullpoint bit for impact hammer
Chisel bit for impact hammer
Spade bit for impact hammer
Exo Thermic Torch
Extra Rods
Torch
Oxygen Tank size 80

Propylene Tank size 30
Torch Rose Bud Head
Petrogen Cutting Torch
Metal Circular Saw
Spare Metal Circular Saw Blades
Metal Cutting Deep Cut Band Saw
Traffic Cones
Barrier Tape 2000ft
Traffic Vests DOT Compliant
Incident Command Vest Kit
Flashlights w/ Traffic Wand
Road Triangles required by DMV
Box of Road Flares
Binoculars 7 X 50 mm power minimum
Radiation Meter
Multi-Gas Meter
Fuel Spill Booms
Fuel Spill Absorbent Pads
Gas Clamp Mustang Clamp
Prowler Pools various sizes, ability to contain gasoline
HazMat Putty Kit
Oil Dry
KNOX Key Secure
12,000lb Truck Mounted Electric Winch
Reese Hitch Mounted Winch 8,000lb electric
Single Sheave Snatch Blocks for Truck mounted Winch
Single Sheave Snatch Blocks for Reese hitch mounted Winch
Cable or Chain 2 Ton Come A Longs
8000lb come alongs
3/8" x 6' Grade 70 transport chain
3/8" x 12' Grade 70 transport chain
3/8" x 20' Grade 70 transport chain
3/8" Grade 70 transport chain shorteners
12 ' Grade 100 Chain rated for overhead lifting
8' Grade 100 Chain rated for overhead lifting
Grade 100 Chain shortener rated for overhead lifting
4 Ton port-a-power
48" High Lift Jacks
60" High Lift Jacks
Rescue 42 Jack Mate
10 ton Hydraulic Bottle Jacks

20 ton Air & Hydraulic Bottle Jacks
High Pressure Air Bag Set
Vetter Brand Connectable 30 Ton
Vetter Brand Connectable 75 Ton
Vetter Brand Emergency Rescue Set
Vetter Brand Hoses Shut Off Unit 32ft
Vetter Brand Shut off Unit
Vetter Brand VCB 25/30 Protection Cap
Vetter Brand VCB 62/75 Protection Cap
Vetter Brand Connection Plage
Vetter Brand Fitting Controller
Vetter Brand Adapter
Grip Hoist Wire Rope Winch
Grip Hoist Wire Rope Winch
Hydraulic Spreader
Hydraulic Cutter
Hydraulic Rams
Back Up Power Unit
Edraulic Combi Tool
Edraulic 110 Battery Adaptor
Edraulic Cutter
Edraulic Spreader
Edraulic Ram
Hand Operated Combi Tool
Mini Lite Hand Held Pump
Mini Cutter
Mini Spreader
JL8 Jack Rabbit Tool
Hydraulic Ram Attachment Set
Hydraulic Maintenance Kit
Hydraulic Chord Manual Reel
Hurst Strong Arm (fire)
Spare Hydraulic Chords Streamline connections on both ends
Flat Head Screw Drivers Assorted Sizes (2 atleast 15")
Phillips Head Screw Drivers
Spring Loaded Center Punch
Glass Master
Pipewrench 18"
Utility Knife with Hooked Blade
2 lb machinist type hammer
6" vice grip plyer

10" vice grip plyer
9 1/2" slip joint plyer
16" slip jointy type channel lock plyer
1/2" X 12" Cold Chisel
1" X 12" Cold Chisel
8" Tin Snips
3/4" Hammer Drill w/ Assorted Bits
Air Impact Wrench Kit w/ rated sockets
1/4" Socket Set (3/16"-1/2" & 4mm-13mm)
3/8" Socket Set (7/16"-13/16" & 8mm-19mm)
1/2" Socket Set (7/16"-1" & 9mm-22mm)
1/2" Impact Socket Set (7/16"-1" & 9mm-22mm)
3/4" Socket Set (7/8"-2 3/8")
Combination Wrench Set (1/4"-1 5/8" & 6mm-32mm)
Hex Key Wrench Set (5/64"-3/8" & 1.5mm-10mm)
Torx Drivers Set Socket Type (Size 15-45)
Rolls Electrical Tape
Rolls Duct Tape
Nut Driver Set
Drill Bit set (Metal)
Drill Bit set (Wood)
Drill Bit Adapters (Phillips/Star/Hex/Etc.)
Dike Plyers/Cutters
Small Bolt Cutter
Set of Incident Command Forms
County Road Map
N.C. State Road Map
Trail Maps of Pisgah National Forest & Bracken Trail system
Watertight Map Cases
Fire Retardant Blankets
10' X 12' Tarps (Minimum) 18oz minimum
18' X 20' Tarps 18 oz minimum
Battery Powered GPS Unit
Set Topographical Maps to cover local region
OSHA compliant safety fuel can 2.5gallon plastic
Landing Zone Light Kit
ConSpace Hardline Comm Kit
Search Cam Hasty Search Kit
RamFan PPV Fan 5,000cfm minimum
RamFan Standard Duct 25' w/ storage bag
Salvage Covers 12'X14' Minimum 18oz

Vinyl Hall Runner Tarps 18oz
Thermal Imaging Camera
Vehicle Mounted Charging Base
Spare Thermal Imaging Camera Battery
Elevated Stream Device
Dust Masks
SCOTT 742 style cartridge adapters
Ear Plugs
Safety Glasses
Radio Charger Base Station
100ft Tape Measure
Zip Ties
2 1/2 Gaskets
1 3/4 Gaskets
Nuts & Bolts Assortment
Wood Screws
Sheet Metal (self tapping) screws
Button Caps Tar Paper Nails
Roll of Tar Paper
Air Hoses Total Feet
Regular Gas Can
Mix Gas Can
Bar Oil for Chain Saw
Folding Chairs
Sump Pump
Cooler
14' Extension (Combination)
10' Attic Ladder
16' Roof
28' Extension
Little Giant Ladder
Ground Ladder Wedge Kits
Type III/V PFD
Water Rescue Helmets
Water Rescue Throw Bags 3/8" X 70'
Water Rescue Knife and sheath able to be attached to PFD
Glow Sticks
Flashlights
Flashlights
PFD Tether Chord

Prussik Chord
Whistle
Water Rescue Boots
Dry Suits
300' 7/16" 5000lb water rescue rope w/ Storage Bag
18" Type IV Throwable Device
Inflatable Boat
Storage Bag for Boat
Boat Paddles
Manual Boat Pump
Electric Boat Pump
K9 PFD
RescueCinch Collar
Hose Inflation System
Cross Line Reach System
SCBA
Spare SCBA Cylinders
RIT BAG
RIT Cylinders
Air Cart
Air Cart Air Line 100ft sections
Air Cart Air Line 50ft sections
Supplied Air Respirators
Spare SKA-PAK escape Cylinders
Long Spine Board w/ Straps
KED Device
Adult "C" Collars
Pediatric "C" Collar
Oxygen Cylinders
Oxygen Regulators 0-15 LPM
Non Rebreather Mask (Infant, Child, & Adult)
Nasal Cannulas (Infant, Child, & Adult)
Bag Valve Mask w/ High Concentration Kit (Infant, Child, & Adult)
Suction Device (Portable with rigid or soft tip suction catheter)
Manual Suction Device
Blanket
Splint Kit (Includes Traction Splints)
Trauma Kit
Body Bag for transport of deceased
Exposure Bag for transport of deceased
Additional Body/Exposure Bags

Stokes Basket Litter
Stokes Basket Litter
Stokes Flotation Kit
SKED Stretcher Kit
ClipBoard
Triage Tags
Medical Gloves Boxes

Model

Honda 1000 Generator
Streamlight Fire Vulcan LED
Petzl Pixa 2
Streamlight Portable Scene Light
FRC LED Portable (SPAKR700-K20-ON
Akron: live cord reels, 120v AC w/ L515PR plugs
X-Treme Box, Portble Power Distribution
Hannay CR16-14-16
Hogan Stakes.com
CTC-6005
CTC-503
Sterling Rope
Sterling Rope
Petzl Avao BOD Fast
Petzl Avao BOD Fast
Petzl Vertex Best

Omega OPGF6LNFP A
(1) Rock Exotica The Bolt, (1) Petzl NFPA G Large Paw, (1) Petzl NFPA Medium
Petzl NFPA-G Twin Prussik Minding
Petzl NFPA-G Minder Prussik Minding Pulley
Petzl Kootenay Carriage
Conterra "Fix" Litter Harness
Riggers Winch INRW500
LokHead Winch kit INLH500KIT
Stanley Brand
Fire Hooks Unlimited Collapsible Shovel
Fire Hooks Unlimited Bolt Cutter BC-24
Fire Hooks Unlimited Bolt Cutter 3 CUT-3
Fire Hooks Unlimited Non Conductive Cable Cutter NCCC-28
Fire Hooks Unlimited Pro Bar
CPinch Point Crowbar
Fire Hooks Unlimited SHV-S
Lock Slot 8
Iron FOX
Fire Axe Inc.
Fire Axe Inc.

Fire Hooks Unlimited
Fire Hooks Unlimited
Fire Hooks Unlimited SHV-P-55
Fire Hooks Unlimited SHV-F-55
Fire Hooks Unlimited
Fire Hooks Unlimited
Fire Hooks Unlimited
Fire Hooks Unlimited
Fire Hooks Unlimited
Fire Hooks Unlimited
Fire Hooks Unlimited
Stihl MS 661 R C-M
33 RS3
Cutters Edge Multi Cut
Stihl MSE 210 C-BQ
Milwaukee 6538-21
Starrett Rescue Blades
Piraya 14" saw blade
Part CBT 12X12
Milwaukee
Diablo
AJAX
Arcair Slice Complete Pack 63991002
Victor (Propylene)

Core System Package
Milwaukee 8" metal cutting saw kit 6370-21
Diablo Steel Demon
Milwaukee 6232-21
Streamlight Survivor Low Pro- Rechargable, with vehicle charging base
Manufacturer doesn't matter, MUST BE MADE IN AMERICA
Manufacturer doesn't matter, MUST BE MADE IN AMERICA
Manufacturer doesn't matter, MUST BE MADE IN AMERICA
Hi-Lift Brand
Hi-Lift Brand
Rescue 42 Brand
JET Brand

[illegible]

HILTI TE60
Eflare, (6) total, rubber bases, cone clips, and storage bag
CSI-RES-KIT1P
Item No. 6000-22-001
EX400 EB80600
FDT-1625BR
Various sizes to be determined at purchase

[illegible]

72" 7mm
Fox 40
NRS work boot, various sizes, determined at purchase
Mustang MSD576 Various sizes, determined at purchase
Stearns 24" Ring Buoy
NRS 13'6" Expedition Self Bailing
NRS Boat Bag (Large)
Carlisle Outfitter Paddle
NRS 5" Barrel Pump
Mastercraft Big Blower Pump
NRS C.F.D.
LSP Cinch Rescue Collar
Mark V Delux Hose Inflation System
HD26069
SCOTT X3 5500psi 45min SCBA CGA fitting
5500psi 45min cylinders CGA fitting
SCOTT RIT Pak III 5500psi
5500psi 75min cylinders CGA fitting
SCOTT Mobile Air-Cart, 4 outlet, plus 2 outlets for air tools, 805827-01
Hansen Fitting
Hansen Fitting
SKA-PAK Plus 4500psi 10min cylinders, Kevlar Harness, Hansen Fitting
1 Piece Plastic w/ minimum of 500lbs capacity Orange In Color
size D cylinder aluminum
Laerdal LCSU 4 Compact Suction Unit
Laerdal V-vac Manual Suction Unit
WOOL

Junkin Plastic Breakaway
Junkin Stainless Steel Military
Junkin Flotation Kit
Sked Basic Rescue System International Orange upgraded with Cobra Buckles
Posse Bottom Opening Box

[illegible]

Exemption Internet URL

[illegible]

City of Brevard Fire Department

SCBA Replacement

Brevard Fire has applied for the FEMA Assistance to Firefighters Grant for the replacement of our SCBA's for the years 2014, 2015 and 2016. We have been turned down at the end of the grant process in 2014 and 2015 for SCBA's. The 2015 grant did allocate us money to replace our SCBA fill station compressor, which we did. The 2016 grants have now started to be released April 16, 2017. We have not received a turn down letter as of May 12, 2017. **The budgeted amount will not be used if the grant is approved.**

Our request is for SCBA that is in compliance with OSHA and NFPA 1981-13 revised edition standards that are directly tied to our daily operations and to enhance firefighter safety. The \$389,250 is the grant budgeted amount for 45 air packs and 5 tracking locators integrated PASS systems. Operationally we carry 8 SCBA on 3 engines, 5 on 1 engine (reserve engine), 6 each rescue and aerial and 2 on both tankers. We need to carry more SCBA because of volunteer members responding in POV's to scenes. We averaged on NCRRS for structure fires 21 BFD members.

Issues

Our 2017 air pack inventory includes 7 air packs purchased in 1992, 14 in 1997 and 24 in 2002, a total of 45 air packs and 45 spare bottles. We are now borrowing spare bottles from a vendor (some yellow aluminum) with 48 of our bottles expiring at the end of this year. The most cost effective way to eliminate our most common risk is to replace these unpredictable and unsafe 2216 air packs that are now used when providing auto and mutual aid to the other 6 departments that are using high pressure SCBAs.

Due to the years of use at a 3 year average of 167 calls to IDLH atmospheres, and 50 auto aid calls, these SCBA have had issues with pressure transducers, gauges remaining open giving false readings, valves sticking, etc. Because of these problems it is unrealistic to continue committing our firefighters to life threatening situations using these unacceptable SCBA units. Our maintenance costs are @ \$4000 year. Our critical need is to replace the 2216 with the new 5500 psi or 5.5L ones with a spare 45 minute bottle (NFPA also requires that at 33% of air supply the FF must exit the building vs 25% with our older SCBA) and voice amplified face masks that have the auto PASS, are CBRNE compliant and meet NFPA 1981-13 revised edition standards. With replacement SCBA we will have a positive effect on the fireground, allowing our firefighters to perform our core mission of reducing the loss of life and property. In addition we have a critical need for a first time purchase of 5 tracking locators for our 3 engines, 1 rescue and 1 aerial, they will fill capability gaps to enhance our daily operations while improving firefighter health & safety.

Project Budget

45 Air Packs w/ Locators, heads up display, spare bottle and voice amp. face mask, buddy breathing at \$8,450 ea.

5 Trackers with truck charger \$1,800 ea.

Total \$389,250

Again if we do not get the grant and the price comes in less per SCBA the borrowed amount will be less.

To be budgeted in 2019 FY budget for 10 years.

Jaime Laughter

From: David Mcneill
Sent: Thursday, May 11, 2017 12:25 PM
To: Jaime Laughter;Kevin Shook;Gerald Grose
Subject: Fire Department Budgets
Attachments: 2018 Fire Department Budgets.pptx; 2018 Fire Budget Spreadsheet.xlsx; Fire Response Changes.docx

Please see attached budget information that I have put together so far. I am waiting on the numbers from the tax assessor to determine the Sylvan Valley 2 response district budgets and rates. Also, I have not received anything further from the City concerning the airpicks, recue trucks and equipment request.

David

2018 Fire Department Budgets

- Staff reviewed Fire Department Budget request
- Staff identified major items in fire department budgets for Board Consideration
- Staff identified 2018 operational improvement strategies for consideration by the Board

2018 Fire Department Budgets

Recommended Change in Sylvan Valley 2 District

- Sylvan Valley 2
- Staff recommends establishing 3 response districts with the Sylvan Valley 2 District
 - Sylvan Valley 2 / Brevard
 - Sylvan Valley 2 / North Transylvania
 - Sylvan Valley 2 / Little River
- Benefits
 - Reduced Mileage Per Response in new response districts
 - Reduce Response Times
 - Reduce Insurance Rates from 9S to 5 for some property owners
 - More efficient responses utilizing equipment, apparatus and stations already available
 - Eliminate need for future sub-station to serve these areas within the Sylvan Valley 2 District
 - Provides reduced response times without elimination of privately held asset (Trestle)
 - Improves long term sustainability
 - Standardization of Services
- Negatives
 - Change
 - Requires staff to develop new response maps for approval by NC Department of Insurance
 - Requires staff develop an effective response protocol for each area

2018 Fire Department Budgets

- Brevard Fire Budget
- Request \$2,035,640
 - Loan Proceeds \$1,239,250
 - City Share 2018 Budget \$422,087
 - County Share 2018 Budget \$374,303
- Board of Commissioners Direction
 - Evening Personnel Coverage FY Impact \$51,240
 - Air Pack Replacement Total Cost \$389,250, Annual Budget Impact beginning in FY18 \$43,500
 - Purchase of Rescue Truck and Equipment: Total Cost \$850,000, Annual Impact of \$95,004 beginning in 2019 for 10 years

2018 Fire Department Budgets

- Sylvan Valley 2 / Little River Budget
 - Request \$
- Sylvan Valley 2 / North Transylvania Budget
 - Request \$

2018 Fire Department Budgets

- Rosman Fire Department Current FT Rate 0.1091
- Request \$524,904 Requested FT Rate 0.1159
- Board of Commissioners Direction
 - Additional Paid Staffing: Annual Increase \$28,000
 - FT Rate without Additional Personnel 0.1097

2018 Fire Department Budgets

- Little River Fire Department Current Year FT Rate 0.0877
- Request \$451,994 Requested FT Rate 0.0911
- Board of Commissioners Direction
 - Continuation of remodel Main Station Increase \$14,400 (recommended)
 - FT Rate without remodel funding 0.0882

2018 Fire Department Budgets

- Connestee Fire Department Current FT Rate 0.0673
- Request \$707,212 Requested FT Rate 0.0767
- Board of Commissioners Direction
 - Additional Paid Staffing: Annual Increase \$80,000 (add 2 staff)
 - FT Rate without additional personnel 0.0681
 - FT Rate with addition of 1 staff person 0.0724

2018 Fire Department Budgets

- Cedar Mountain Fire Department Current FT Rate 0.1331
- Request \$297,057 Requested FT Rate 0.1378
 - Non County Proceeds \$103,057
 - County Share 2018 Budget \$194,000 (same as 2017)
- Cedar Mountain Fire District Property Valuation Decreased \$5,000,000 from FY17-FY18

2018 Fire Department Budgets

- Lake Toxaway Fire Department Current FT Rate 0.0459
- Request \$780,343 Requested FT Rate 0.0479
- Board of Commissioners Direction
 - Additional Paid Staffing: Annual Increase \$45,000 (add 1 staff)
 - FT Rate without additional personnel 0.0451
 - FT Rate without 3 bay building request 0.0457
 - FT Rate without personnel or 3 bay building 0.0430

2018 Fire Department Budgets

- Balsam Grove Fire Department Current Year FT Rate 0.1089
- Request \$98,227 Requested FT Rate 0.1098
- Department does not want FT rate increase

2018 Fire Department Budgets

- North Transylvania Fire Department Current Year FT Rate 0.1279
- Request \$208,050 Requested FT Rate 0.1669
- Department does not want FT rate increase
- With no FT rate increase the department will have to cut \$47,850 from budget request

Fire Department Budgets
Fiscal Year 2018

	A	B	C	D	E	F	G	H	I	J	K	L
	Department	2017 Budget	2018 Budget Request	Fire Tax Portion	Additional Personnel Request	Capital Request	Key Issues Considerations	2017 FT Rate	2018 FT Rate	FT Rate minus Personnel	FT Rate minus capital	Rescue Truck Brevard Fire
1	Sylvan Valley 2 Brevard Fire Department	\$898,098	\$2,035,640	\$374,303	Evening Staffing \$51,240, staffing justification in Brevard Fire Budget package.	Air Pack Replacement \$389,250 \$43,500 annually for 10 years beginning in 18 budget. (Grant applied for)		0.0393	0.0435	0.0407	0.0383	
2						Rescue Truck \$850,000 (debt service to begin in 19 budget, Ladder Truck pays off)						Result in \$95,004 in debt service in 19
3												
4	Sylvan Valley 2 Little River							0.0393	0.0435	0.0407	0.0383	
5	Sylvan Valley 2 North Transylvania							0.0393	0.0435	0.0407	0.0383	
6	Rosman Fire Department	\$489,703	\$524,904	\$524,904	Additional Staffing \$28,000, Rosman provided information on proposed staffing changes.			0.1091	0.1159	0.1097		
7	Little River Fire Department	\$432,495	\$451,994	\$451,994		Continuation of remodel work at main station (flooring and wall finish work) \$14,400	Little River Sylvan Valley 2 Response District. The County Commisioners can contract with one or more departments for services with a service district. The establishment of a Little River Response District within the Sylvan Valley 2 District will improve response times to the Davidson River Road and Cemetary Raod area without impacting the Trestle on Davidson River Road. Draft Response District Maps available.	0.0877	0.0911		0.0882	
8	Connestee Fire Department	\$612,912	\$707,212	\$707,212	Additional Staffing, Connestee provided justification for added staffing and a staffing plan for consideration \$80,000			0.0673	0.0767	Minus 1 person 0.0724 No Personnel Increase 0.0681		
9	Cedar Mountain Fire Department	\$279,675	\$297,057	\$194,000	Staffing Increase \$5,000 (no increase in county fire tax funding request for 18, revenue increase from Greenville County of \$5,000)			0.1331	0.1378			
10	Lake Toxaway Fire Department	\$739,091	\$780,343	\$780,343	Additional Staffing Request for 2nd personnel. The department has hired a 2nd staff member and is currently paying staff utilizing savings. Cost of additional staff \$45,000	Department requesting \$35,000 in building fund for future additional of a 3 bay building behind main station to house equipment. Department reports need for additional storage space for apparatus and equipment.		0.0459	0.0479	0.0451	0.0430	

Fire Department Budgets Fiscal Year 2018

[illegible]

The funding for fire protection in Transylvania County is provided through the use of tax dollars generated by fire service districts established by the Transylvania County Board of Commissioners (G.S. 153A). The Transylvania County Board of Commissioners has the authority to set the fire service district tax rates annually to fund fire services within each service district. The Board of County Commissioners also has the authority to contract with one or more fire departments to provide services within each fire service district.

As the Board of Commissioners is aware, these service districts were established over many years. In most cases, additional service districts were established to cover areas outside of previously established service districts without consideration of station location, funding strategies and operational response efficiency. With that said, a snapshot of the County service district map shows large geographical service districts and small geographical service districts bordering each other. The result is, in some cases, lower revenue potential and or varying fire tax rates due to differing property valuations within the fire service district. Additionally, longer response mileage and/or times in larger fire service districts that could be lower if fire service district lines were adjusted.

With that said, staff was charged with identifying strategies to facilitate consistent service levels and fire service cost throughout the County. The two most obvious service districts with a lack of available revenue are the North Transylvania Fire Service District and Balsam Grove Fire Service District. Balsam Grove presents a problem because the district has a very low property valuation but it is also a very large geographical district. This makes identifying a solution for future viability very difficult.

However, North Transylvania Fire Service District is a small geographical district. This provided an opportunity for staff to explore operational efficiencies through expansion of the response district. Staff identified operational response efficiencies within the Sylvan Valley 2 District where lower response mileage and response times can be achieved by establishing a North Transylvania Fire response district within the Sylvan Valley 2 District and contracting with North Transylvania Fire Department for fire protection within the response district. The benefit is twofold. It provides shorter response mileage and times to citizens in the affected area and provides additional funding source to North Transylvania Fire for the provision of services within the newly established fire response district. Brevard Fire and North Transylvania have an Insurance Rating of 5 so property owners will not see any increase in fire insurance cost. However, there are a small number of properties with a 9S insurance rating in the current Sylvan Valley 2 District served by Brevard that will see a significant reduction in fire insurance cost resulting from the change in response district. Representatives from North Transylvania have reviewed the map and do not see any issues with maintaining its current rate or provision of services to the area. A map is attached showing the area being proposed by staff.

During this process, staff explored options to reduce response mileage and times to another area within the Sylvan Valley 2 Service District. This was in response to a concern that the Train Trestle on Davidson River Road needed to be removed to reduce response times from Brevard Fire to the area. Staff examined response from the new Little River Fire Sub-station. Efficiencies

were identified by establishing a Little River response district within the Sylvan Valley 2 Fire Service District and contracting with Little River Fire to provide fire protection services in the newly established response district. The benefit in this particular case is twofold as well. The newly established response district will result in lower response mileages and times to the proposed area and eliminate the need to remove a privately held asset to achieve this. Little River Fire has a fire insurance rating of 6 while Brevard Fire has a 5. However, the large majority of properties in the affected area are residential and do not benefit from a rating below 6. A map is attached showing the area being proposed by staff.

Kara Millonzi, University of North Carolina Institute of Government, County Funding for Fire Services in North Carolina Document

"A county must "provide, maintain, or let contracts for the services for which the residents of the district are being taxed within a reasonable time, not to exceed one year, after the effective date of the definition of the district."¹⁰⁸ The statutes are silent, though, as to how services may be provided within the district. Counties generally are authorized to contract with any private entity to "carry out any public purpose that the county is authorized by law to engage in."¹⁰⁹ So, as with rural fire protection districts, a county is free to establish and maintain a county fire, ambulance, or rescue department to provide the services within its service districts, or it may contract with one or more municipal or volunteer fire departments to furnish these services."

"The county has a good deal of flexibility in how it allocates the service district tax revenue to procure services for the district. And, as with rural fire protection districts, the relationship between counties and municipal or volunteer fire departments is of a contractual nature. The county board of commissioners retains legal control over setting the service district tax rate each year, and the county board of commissioners determines what fire services are provided within the district and by whom. That means that, subject to any existing contractual agreements, a board of county commissioners may change service providers or the nature of the services that are being provided at any time.¹¹¹ A volunteer or municipal fire department does not have a statutory right to continue to serve a particular district, even if the fire department has incurred significant expense (or even borrowed money) to fund operating or capital expenses to serve the district. "

County staff is recommending the establishment of 3 separate fire response districts within the Sylvan Valley 2 Fire Service District (Sylvan Valley 2 / Little River, Sylvan Valley 2 / North Transylvania and Sylvan Valley 2 / Brevard). The County will contract with each fire department to provide fire and rescue services within these respective response districts. Each fire department will submit an annual budget request for services within their respective response district. The Sylvan Valley 2 Service District Tax will be consistent in each response district and fund each department for services provided within each respective response district. The County will develop a new response district map and submit to the North Carolina Department of Insurance for approval.

Staff believes the change in response districts will result in more efficient responses utilizing the resources (equipment, stations, apparatus) currently available within each department and maximize the revenue generated in the Sylvan Valley 2 Fire Service District to best serve the

citizens in each respective response district. Staff also believes the change will eliminate the need for any future sub-station to support services in the area.

Given the timing, staff is recommending that the County fund the City of Brevard utilizing the current method for the 2018 fiscal year with respect to percentage of the approved budget funded by the Sylvan Valley 2 Fire Tax. In fiscal year 2019, funding for Brevard Fire District will be based on approved budget request and the property valuation with in the Sylvan Valley 2 / Brevard Response District unless other funding strategies are adopted for fire and rescue services.

Jaime Laughter

From: David Mcneill
Sent: Thursday, May 04, 2017 12:08 PM
To: Jaime Laughter
Subject: RE: Fire Budget Spreadsheet

What time, I am free this afternoon.

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Thursday, May 4, 2017 11:10 AM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Subject: RE: Fire Budget Spreadsheet

Do you have time to meet this afternoon? I am going to the national day of prayer service near you at 12:30 but would like to touch base on this.

Also, have you heard from all fire departments on how they reward volunteers? I want to get that out to commissioners too.

From: David Mcneill
Sent: Thursday, May 04, 2017 11:07 AM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: Fire Budget Spreadsheet

Hello jaime,

Please see attached spreadsheet for fire department budgets. What other information would you like to provide the Board? I am waiting on the property valuation spreadsheet with projected rates from Gay. Also, Kevin is revising the draft map showing the 3 response districts within the Sylvan Valley 2 Fire Service District. Do you have an idea of how you want to present this?

David

Jaime Laughter

From: David Mcneill
Sent: Thursday, May 04, 2017 11:07 AM
To: Jaime Laughter
Subject: Fire Budget Spreadsheet
Attachments: 2018 Fire Budget Spreadsheet.xlsx

Hello jaime,

Please see attached spreadsheet for fire department budgets. What other information would you like to provide the Board? I am waiting on the property valuation spreadsheet with projected rates from Gay. Also, Kevin is revising the draft map showing the 3 response districts within the Sylvan Valley 2 Fire Service District. Do you have an idea of how you want to present this?

David

Jaime Laughter

From: David Mcneill
Sent: Tuesday, May 02, 2017 10:03 AM
To: Jaime Laughter
Subject: RE: Sylvan Valley 2 Response Districts

Just fyi, I have a meeting set up for tomorrow morning at 10:30 with Chief Merrell and Chief Kilpatrick. David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Monday, May 1, 2017 11:49 AM
To: David Mcneill <David.McNeill@transylvaniacounty.org>
Subject: Re: Sylvan Valley 2 Response Districts

I would emphasize with Jason that we are hoping to alleviate concerns raised by the city regarding response time due to the train overpass since we can't require watch to move it. And of course discretion is requested so that we can fully analyze it before creating any issues.

Sent from my iPhone

On May 1, 2017, at 11:16 AM, David Mcneill <David.McNeill@transylvaniacounty.org> wrote:

Hey Jaime,

We continue to work on the response district maps. At this point, I need to sit down with both Donnie Kilpatrick (North Transylvania) and Jason Merrell (Little River) to gather any comments concerning changes to the response district. Of course, I will ask for some discretion until a final decision is made but cannot promise it will not get out. Thoughts?

David

Jaime Laughter

From: David Mcneill
Sent: Monday, May 01, 2017 11:17 AM
To: Jaime Laughter
Subject: Sylvan Valley 2 Response Districts

Hey Jaime,

We continue to work on the response district maps. At this point, I need to sit down with both Donnie Kilpatrick (North Transylvania) and Jason Merrell (Little River) to gather any comments concerning changes to the response district. Of course, I will ask for some discretion until a final decision is made but cannot promise it will not get out. Thoughts?

David

Jaime Laughter

From: David Mcneill
Sent: Monday, April 03, 2017 9:28 AM
To: jim.fatland@cityofbrevard.com
Cc: Jaime Laughter
Subject: Charter School property Annexation

Hello Mr. Fatland,

I received a request from the Chief at Little River Fire Department concerning the voluntary annexation of the Charter school property on Highway 64. The Chief is concerned that the City failed to follow the statutory requirements with respect to voluntary annexation of property that was inside a fire service district and being serviced by a rural fire department. There is also a concern that the City failed to take into account that the property was within one mile of the rural fire department substation resulting in increased response times. The Chief asked that I email you this concern and request that you review the procedures for voluntary annexation with respect this property.

David McNeill

Jaime Laughter

From: David Mcneill
Sent: Tuesday, March 14, 2017 11:55 AM
To: Jaime Laughter

I put together some numbers. Please check my numbers. I used the same estimates as we did in this fiscal year budget including collection rate.

Total of all fire budgets excluding the Brevard City Limits Portion	\$3,051, 672
City of Brevard Budgeted Amount	\$371,678
Total Property Valuation excluding City of Brevard	\$4,690,000,000
Total Property Valuation including City Limits	\$5,640,000,000
Flat Tax Rate Estimate (Excludes City of Brevard property valuation and City portion of fire budget)	0.0654
General Fund Tax Rate Estimate (Includes City of Brevard property valuation but not City's portion of budget)	0.0544
General Fund Tax rate Estimate (Includes City of Brevard property valuation and funds City's portion of fire budget)	0.0610

Current Fire Tax rates

District	Rate	Budget	
Brevard Sylvan Valley 2	0.0393	\$705,272	(Sylvan Valley 2 Portion \$333,594)
Rosman	0.1091	\$489,703	
Little River	0.0877	\$432,495	
Connestee	0.0673	\$612,912	
Cedar Mountain	0.1331	\$194,000	
Lake Toxaway	0.0459	\$739,091	
Balsam Grove	0.1089	\$96,477	
North Transylvania	0.1279	\$153,400	

The rate estimates assume we fund departments equal to this fiscal year. All but 2 districts see fire tax rate reductions under either scenario. Again, please check my numbers.

David

Jaime Laughter

From: David Mcneill
Sent: Tuesday, January 24, 2017 12:35 PM
To: Jaime Laughter

Hello Jaime,

What are your thoughts on reopening the discussion with the owner of Automated Tool and Machine given that he has purchased the building in Rosman. I am extremely confident that this location provides Transylvania County with the best possible location for a substation to serve the needs of reducing the fire insurance rates in Williamson Creek and Glen Cannon as well as future expansion of EMS services in that direction. I really hate to see this opportunity pass if the owner is more open to negotiation.

David

Jaime Laughter

From: David Mcneill
Sent: Thursday, July 21, 2016 12:19 PM
To: Jaime Laughter
Subject: RE: FW: Meeting about No County Budget for New Fire Station

I don't mind responding at all. Actually, I prefer to keep up on emails. We just have limited access to cellular service here. Feel free to text, call or email anytime.

David

On July 20, 2016 3:55:44 PM MDT, Jaime Laughter <jaime.laughter@transylvaniacounty.org> wrote:
I will respond that you and I are meeting next week and will be in touch.

You do know I don't expect you to be checking/responding to email, right????

Enjoy Montana (but don't get too comfy out there!) and the time with Makayla- my dad used to do mission work with me and I will always cherish those memories as much as those experiences shaped me.

From: David Mcneill
Sent: Wednesday, July 20, 2016 5:34 PM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: Re: FW: Meeting about No County Budget for New Fire Station

We had representatives from those communities speak at the public input meeting. We could offer to allow citizens to send comments to PSSI directly. We could also offer to meet with them as well. I had a meeting scheduled with a lady from that area last week to discuss this but she canceled. As you know, the first draft did not recommend any new stations. I have no doubt that Brevard Fire is pushing this as well. While I understand there is an extended response time in this area, fire protection, EMS, rescue are all provided. We have other areas in the County with the same issue.

On another note, Montana is beautiful.

David

On July 20, 2016 10:59:07 AM MDT, Jaime Laughter <jaime.laughter@transylvaniacounty.org> wrote:
Thoughts?

From: Charles Elliott [<mailto:sidncarol@comporium.net>]
Sent: Wednesday, July 20, 2016 8:47 AM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Cc: Russ Driver <russdriver1@gmail.com>; Chris Lewis <chrislewis175@gmail.com>; Vince Putiri <vspinc@comporium.net>; Gregory & Nancy Ayres <gregoryrichardayres@gmail.com>; David McNeill <David.McNeill@transylvaniacounty.org>; Vince Putiri <vspinc@citcom.net>
Subject: Re: Meeting about No County Budget for New Fire Station

Hi Jaime,

Vince, our archivist and Safety & Security Co-chair, makes valid points. Is there some way we in Glen Cannon and Sylvan Habitat can press these points with the commissioners and/or the consultants doing the study? What would be most effective approach?

Thanks again,

Carol

Carol Elliott, Glenn Cannon Property Owners Association President
58 Glen Spey Dr.
Pisgah Forest, NC 28768
(H) 828-877-658
(C) 828-553-785
<sidncarol@comporium.net>

From: "Vince Putiri" <vspinc@citcom.net>
To: "Charles Elliott" <sidncarol@comporium.net>, "Russ Driver" <russdriver1@gmail.com>, "Chris Lewis" <chrislewis175@gmail.com>, "Vince Putiri" <vspinc@comporium.net>, "Gregory & Nancy Ayres" <gregoryrichardayres@gmail.com>, "McNeill, David" <David.McNeill@transylvaniacounty.org>
Cc: "Jaime Laughter" <jaime.laughter@transylvaniacounty.org>
Sent: Monday, July 18, 2016 8:32:25 PM
Subject: RE: Meeting about No County Budget for New Fire Station

Carol,

I cannot tell you how much this "study" excuse upsets me.

As you know, I am working on the archives for the Property Owner's Association and the historical files are full of similar responses from government agencies as to why problems cannot be fixed. The one's that come most recently to mind are the letter's relating to conditions on Wilson Road—conditions that were pointed out over twenty years ago and remain today. Excuses back then pointed to highway studies, plans for a bypass and (then) current budget considerations.

Please do not accept that excuse.

Our fire district has the majority of county public schools, a community college and a four year college. It has the majority of the county population and a large percentage of the county's taxable assets and yet we have areas within the district that are unprotected and many more that are inadequately protected. What is the county doing to protect our school children, our valuable assets and our general population?

I don't mind having studies to direct long term planning, but the needs for our district are obvious and immediate. I consider a planned expenditure in the current budget for additional fire protection services to be a priority need.

Vince

Charles,

Thank you for your email! I am out on maternity leave right now, but hopefully I can answer your question thoroughly. Sylvan Valley II requested an allocation towards goring the reserve funds for the additional substation, but they were not included because the county has commissioned an emergency services study to look at levels of service, needs and efficiency throughout the county as a whole for fire, EMS and communications. The thought process is to wait for the study results to make sure that the additional substation is the best way to provide the service needed. The intent is to use the study in making budget decisions and to approach improving levels of services strategically.

I have copied in David McNeill, Assistant County Manager in charge of Emergency Services, so that he can weigh in as well when he is back next week.

Let me know if you have further questions!

Jaime

Sent using OWA for iPad

From: Charles Elliott <sidncarol@comporium.net>

Sent: Monday, July 18, 2016 11:37:35 AM

To: Jaime Laughter

Cc: Russ Driver; Lewis, Chris; Vince Putiri; Gregory & Nancy Ayres

Subject: Meeting about No County Budget for New Fire Station

Hi Jaime,

Those of us on the Board of the Glen Cannon Property Owners Association and also on the Sylvan Habitat Board are dismayed that allocation for a new fire station in the Williamson Creek area was secretly removed from this year's county budget. We wondered whether we might be able to meet with you to get some insight into how this happened and discuss what we might be able to do to address this in the most constructive and productive way to get the budget for a new fire station re-instated. You were most helpful to the Glen Cannon group who met with you previously to discuss development of the former country club property and we are hoping you will be able to help us again.

If you could let me know what potential times you might have available to meet, I would appreciate it.

Thanks so much for your attention to this,

Carol Elliott, GCPOA President

58 Glen Spey Dr.

Pisgah Forest, NC 28768

(H) 828-877-6581

(C) 828-553-7850

[<sidncarol@comporium.net>](mailto:sidncarol@comporium.net)

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Sent from my Android device with K-9 Mail. Please excuse my brevity.

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I have copied in David McNeill, Assistant County Manager in charge of Emergency Services, so that he can weigh in as well when he is back next week.

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Jaime

Sent using OWA for iPad

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Cc: Russ Driver; Lewis, Chris; Vince Putiri; Gregory & Nancy Ayres
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Sent from my Android device with K-9 Mail. Please excuse my brevity.

Jaime Laughter

From: Jaime Laughter
Sent: Tuesday, May 31, 2016 12:14 PM
To: Jaime Laughter
Subject: Fwd: City fire services

Sent from my iPhone

Begin forwarded message:

From: David McNeill <david.mcneill@transylvaniacounty.org>
Date: May 31, 2016 at 11:33:54 AM EDT
To: 'Jaime Laughter' <jaime.laughter@transylvaniacounty.org>
Subject: RE: City fire services

I agree. The County contracts with the City of Brevard for fire protection services in the Sylvan Valley 2 District consistent with other fire service districts within Transylvania County. The Transylvania County Board of Commissioners set a fire tax rate for all fire service districts in the County including the Sylvan Valley 2 fire district to fund fire protection within the County. The proposed implementation of paid staffing for evening coverage by Brevard Fire Department exceeds the level of service in other fire service districts and further expands the inequity in level of service that exist countywide. The need for expansion of the paid staffing program within fire departments is part of the emergency services study being conducted by PSSi and may result in future strategies to address local fire department personnel needs. The City of Brevard may choose, as many other municipalities have done throughout the Country, to expand its service level provided the City funds expansions that exceed the level of service approved by the Board of Commissioners for the Sylvan Valley 2 District and other fire service districts within Transylvania County.

Hope this helps David

From: Jaime Laughter [<mailto:jaime.laughter@transylvaniacounty.org>]
Sent: Tuesday, May 31, 2016 7:44 AM
To: David McNeill
Subject: Fwd: City fire services

David-

I'm thinking the response to Kevin also needs to include that we aren't declining the city funding but that the county sets the tax rate for sylvan valley II that is served through the city. Thoughts?

Jaime

Sent from my iPhone

Begin forwarded message:

The County Commissioners have commissioned an Emergency Services Study to look at the system as a whole with results due this fall. Concerns regarding equitable level of service throughout the county to all citizens along with widely varying tax rates are both expected to be addressed under the study scope. Commissioners did not approve any new staffing requests throughout the fire districts pending results of the study that may have strategies to address personnel needs throughout the county. Currently all but one district has a full time paid staff person, but none have evening paid staffing as was requested for Sylvan Valley II under the City contract. The City of Brevard may choose, as many other municipalities have done throughout the Country, to expand its service level independently of the County provided the City funds expansions that exceed (not decrease) the level of service approved by the Board of Commissioners for the Sylvan Valley 2 District and other fire service districts within Transylvania County. Expenses related to increased call volume (\$20,000) and equipment to be able to extricate victims from vehicles (Financing payments for four years at \$25,822 annually) were approved and included in the calculation to set the tax rate for that district.

Please let me know if you have further questions!

Jaime

From: Kevin Fuller [<mailto:kfuller@transylvaniatimes.com>]
Sent: Friday, May 27, 2016 4:05 PM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: City fire services

Hi Jaime,

I was wondering what the figure you've proposed as funding for city fire services. I am writing a story about the evening staffing and just wanted to include the figure outside of what the county declined to fund.

Thanks,

Kevin Fuller
Staff Writer // Transylvania Times
@KevinTTimes

From: Kevin Fuller <kfuller@transylvaniatimes.com>
Date: May 27, 2016 at 4:05:05 PM EDT
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: City fire services

Hi Jaime,

I was wondering what the figure you've proposed as funding for city fire services. I am writing a story about the evening staffing and just wanted to include the figure outside of what the county declined to fund.

Thanks,

Kevin Fuller
Staff Writer // Transylvania Times
@KevinTTimes

Jaime Laughter

From: David Mcneill
Sent: Tuesday, May 31, 2016 11:34 AM
To: Jaime Laughter
Subject: RE: City fire services

I agree. The County contracts with the City of Brevard for fire protection services in the Sylvan Valley 2 District consistent with other fire service districts within Transylvania County. The Transylvania County Board of Commissioners set a fire tax rate for all fire service districts in the County including the Sylvan Valley 2 fire district to fund fire protection within the County. The proposed implementation of paid staffing for evening coverage by Brevard Fire Department exceeds the level of service in other fire service districts and further expands the inequity in level of service that exist countywide. The need for expansion of the paid staffing program within fire departments is part of the emergency services study being conducted by PSSi and may result in future strategies to address local fire department personnel needs. The City of Brevard may choose, as many other municipalities have done throughout the Country, to expand its service level provided the City funds expansions that exceed the level of service approved by the Board of Commissioners for the Sylvan Valley 2 District and other fire service districts within Transylvania County.

Hope this helps David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Tuesday, May 31, 2016 7:44 AM
To: David Mcneill
Subject: Fwd: City fire services

David-

I'm thinking the response to Kevin also needs to include that we aren't declining the city funding but that the county sets the tax rate for sylvan valley II that is served through the city. Thoughts?

Jaime

Sent from my iPhone

Begin forwarded message:

From: Kevin Fuller <kfuller@transylvaniatimes.com>
Date: May 27, 2016 at 4:05:05 PM EDT
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: City fire services

Hi Jaime,

I was wondering what the figure you've proposed as funding for city fire services. I am writing a story about the evening staffing and just wanted to include the figure outside of what the county declined to fund.

Thanks,

Kevin Fuller

Staff Writer // Transylvania Times
@KevinTTimes

Jaime Laughter

From: David Mcneill
Sent: Thursday, May 19, 2016 2:00 PM
To: Jaime Laughter
Cc: Gay Poor
Subject: RE: follow up
Attachments: Copy of Fire Tax Rates 17.xls; Fire Budgets Information.docx

Hey Jaime,

I went through each on the attached word document. I believe this represents what the Commissioners approved. The other attachment is the spreadsheet provided by Gay that calculates the fire tax rate completed based on the information in the word document. Let me know if you have any questions.

David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Wednesday, May 18, 2016 4:11 PM
To: David Mcneill
Subject: follow up

David,

Do you have the final numbers for the fire dept rates? I was looking in the notebook gay put in my box but didn't see where we had a finalized list.

Jaime Laughter
County Manager
Transylvania County
101 S Broad Street
Brevard, NC 28712
828-884-3100

[illegible]

2016/2017 Fire Department Budgets
Approved Budgets

Brevard Fire

Original Request \$898,098

Items not approved:	Evening Salaries	\$65,793
	FICA for Evening Salaries	\$5,033

Approved Budget:	\$827,272
Subtract Loan Proceeds:	<u>\$122,000</u>
Total Budget Revenue Required:	\$705,272

Sylvan Valley 2 2016/2017 Fire District Budget equals 47.3 percent: \$333,594
(Does not include future sub-station funding)

2016/2017 Sylvan Valley Fire Tax Rate: 0.0393

Rosman Fire

Original Request \$502,703

Reductions made by department prior to budget presentation to Commissioners totaled \$13,000.

Total Approved Budget: \$489,703

2016/2017 Rosman Fire Tax Rate: 0.1091

Little River Fire

Original Request \$432,495

Total Approved Budget: \$432,495

2016/2017 Little River Fire Tax Rate: 0.0877

Connestee Fire

Original Request \$652,562

Items not approved: Additional Paid Staffing Request \$39,650

Total Approved Budget: \$612,912

2016/2017 Connestee Fire Tax Rate: 0.0673

Cedar Mountain Fire

Original Request \$357,675

Items removed prior to presentation to Commissioners: \$63,000

Budget Request presented to Commissioners: \$294,675

Items not approved: Additional Salaries; \$15,000

Budget Approved by Commissioners: \$279,675

Non County Revenue in Budget: \$85,675

Cedar Mountain Fire Tax Required: \$194,000

Cedar Mountain 2016/2017 Fire Tax Required: \$194,000

2016/2017 Cedar Mountain Fire Tax Rate: 0.1331

Lake Toxaway Fire

Original Request \$819,091

Items not approved: Additional Paid Staffing Request \$45,000
3 Bay Storage Building \$35,000

Total Approved Budget: \$739,091

2016/2017 Lake Toxaway Fire Tax Rate: 0.0459

Balsam Grove Fire

Original Request \$97,427

Total Approved Budget: \$97,427

2016/2017 Balsam Grove Fire Tax Rate: 0.1089

North Transylvania Fire

Original Request \$183,726

Department requested no increase in rate resulting in a fire tax appropriation of \$153,400.
Department will make cuts from budget to balance revenue and expenditures.

Reserve funds applied to budget: \$5,000

Total Non County Funds: \$3,000

Total Tax revenue form 2016/2017 North Transylvania Fire Tax: 153,400

2016/2017 North Transylvania Fire Tax Rate: 0.1279

**Transylvania County Fire Rescue Budgets
2016/2017
Summary**

Staff Summary

Volunteer fire and rescue organizations were asked to prepare and submit budget request for the 2016/2017 fiscal year. Once received, staff reviewed the budgets, met with departments and asked follow-up questions. This document and the accompanying spreadsheet provides the requested budgets, fire tax rates for the requested budget and a summary of the items within the budget requiring further consideration and direction from the Board of Commissioners.

There are some common themes within the requests across departments. First, we had five Departments request additional staffing for the 2016/2017 fiscal year. These include Brevard Fire, Connetsee Fire, Cedar Mountain Fire, Lake Toxaway Fire, and Transylvania County Rescue Squad. Connetsee Fire, Cedar Mountain Fire and Lake Toxaway Fire are all requesting one additional paid staff position. Cedar Mountain Fire revised its request to additional part time paid staff (\$15,000 annually). Brevard Fire Department is requesting funding for 2 positions to work the evening shift (Tuesday – Sunday 5pm-11pm). With the Emergency Services Study results pending discussion early in the 2016/2017 fiscal year, staff is recommending the Board of Commissioners make a comprehensive decision concerning the personnel requests.

Second, the requested budgets also include some capital requests and grant match funds. In some cases, this results in significant increases to the budget. Brevard Fire Department is requesting extrication equipment and the City is proposing utilizing funding from debt service to purchase the equipment over a five year period. The City of Brevard assumed the responsibility of extrication at MVAs within the City limits. Transylvania County Rescue Squad continues to provide this service in the Sylvan Valley 2 District. If this purchase is approved, it is prudent to change operational protocols for MVAs to standardize initial responses so that Brevard Fire is providing the service throughout the district in both the city and the county Sylvan Valley 2 District. . This is also consistent with the ongoing discussions for the Transylvania County Rescue Squad to focus its attention on specialized rescue and medical services.

The following is each department's revenue neutral rate and the rate required to fund the requested budget. It is important to note that all but 2 departments experienced a decrease in the property valuation. Revenue neutral results in a rate increase of between 0-0.65 cents. Funding at full request would result in additional rate increase of 0-5.49 cents.

Department	Current Rate	Revenue Neutral Rate	Requested Rate
Brevard	0.0443	0.0455	0.0433 (does not include sub-station funds)
Rosman	0.0980	0.1039	0.1091
Little River	0.0849	0.0881	0.0877
Connetsee	0.0656	0.0695	0.0717

Cedar Mountain	0.1115	0.1180	0.1434 (revised request)
Lake Toxaway	0.0359	0.0414	0.0508
Balsam Grove	0.1056	0.1050	0.1089
North Trans.	0.1279	0.1279	0.1279

While each fire/rescue department budget is different depending on departmental needs or service demands, it is evident that each could benefit from funding set aside to match grant applications. It may be advantageous for the Board to consider setting aside funds that departments can apply for during the fiscal year as grant opportunities become available. The use of these funds would be on a case by case basis and require approval from the Board of Commissioners. It would serve as an incentive for departments to identify grant opportunities that could reduce future operational and capital costs for needed fire and/or rescue equipment. This could be achieved by designating general funds for this purpose or asking fire departments to budget for transfers to their county reserves for this purpose.

The following information is an overview of each department's budget request with the major items/increases impacting the budget for each department.

Department: Brevard Fire

Requested: \$898,098 Percent Increase: 38.5%

County Funding Requested: \$367,094 Percent Increase: 18.9%

Funding from Debt Service: \$122,000

City of Brevard Funding: \$409,004 Percent Increase: 20.3%

Total Budget: \$898,098

Major Items/Increases

Sub-Station: The County budgeted \$77,101 to be held in reserve for the acquisition of property and building a sub-station. This was anticipating a 5 year pay off for property. Direction concerning continuing setting aside funds for a sub-station is needed; the preliminary results from the emergency services study did not recommend any additional sub-stations.

Personnel: Evening Staff Cost: \$65,793
Increased Rate and Call Volume Cost: \$20,000
FICA Increase: \$6,563

Brevard Fire Department is requesting 2 paid positions for evening service (Tuesday-Sunday 5pm-11pm). These time slots will be filled with part-time personnel similar to its current day shift coverage.

The department is also requesting additional personnel funding for increased call volume and increased hourly rate that is paid to staff for shift coverage and volunteers

when they are on a call. The City Manager reported a Rate of \$9.00 per hour for volunteers while they are on a fire department call.

Equipment: Total \$122,000 (\$25,822 annually debt service for 4 years)

Brevard Fire Department is requesting new extrication equipment for 4 trucks at a total cost of \$122,000. The City Manager is recommending a finance option with 4 annual payment of \$25,822 to acquire this equipment.

Budget without evening personnel request: \$832,305 Fire Tax Rate: 0.0396

Budget without any paid staff increase: \$805,702 Fire Tax Rate: 0.0381

Budget without Extrication Equipment: \$776,098 Fire Tax Rate: 0.0418

Budget without evening personnel and equipment: \$710,305 Fire Tax Rate: 0.0382

Budget without any paid staff increase or equipment: \$683,742 Fire Tax Rate: 0.0367

Department: Rosman Fire

Requested: \$489,703 Percent Increase: 7.8%

Major Items/Increases

Per Call Reimbursement: Increase from \$20,000 to \$30,000

The department cites increased call volumes and increased membership and turnout on calls and justification for the increase. This is a volunteer recruitment and retention tool that assist department in encouraging volunteer participation and avoiding the growing need for paid staffing.

Repair and Maintenance- Building: Increase from \$33,195 to \$38,000

The department is requesting necessary improvement to the building facilities. The building is in need of remodel and improvements. Staff observed ceiling track collapse, paint issues, bay lights, paving needs and various other building improvement needs.

Uniforms: Increase from \$5,000 to \$8,000

The department has increased membership and a need for Class A uniforms for attendance at meeting and other events where fire department representation is required.

Pride in the station appearance and appropriate uniforms are also a recruitment and retention tools. During staff's meeting at the Rosman Fire Department, we observed needs in each of the major items listed in the department summary.

Department: Little River Fire

Requested: \$432,495 Percent Increase/Decrease: 0.0037% decrease

Little River continues to do a tremendous job ensuring quality services while maintaining its expenditures and cost. I did speak with the department chief and he stated that they had money set aside for the grant matches that the department has applied for should they be awarded.

Department: Connetsee Falls Fire

Requested: \$652,562 Percent Increase: 3.19%

Major Items/Increases

Personnel: Additional Staff (\$40,000)

Connetsee is requesting an increase in the Paid Staffing Program to cover a 1.5% cost of living raise and a 1.5% merit raise for our current full time employee and also to fund one additional full time employee.

Budget without additional personnel: \$612,562 Fire Tax Rate: 0.0673

Department: Cedar Mountain Fire

Requested: \$294,675 Percent Increase Budget: 17.0%

Requested County Fire Tax Revenue: \$209,000 Percent Increase: 21.5%

Major Items/Increases

Revenue Item: Requested from Reserve Fund \$5,000 (Balance as of 3/31/2016 (-128.05)

Given the negative balance, budgeted transfer from the reserve is not recommended by staff. This request was removed in revised request from department.

Expenditures:

Personnel: Additional Personnel Part-Time (\$15,000) (Revised by Department)

Cedar Mountain is requesting an increase of \$15,000 for additional paid staffing. The department is requesting the additional part-time staffing due to rising call volume and the safety issues of one person on duty.

Grant Matching Funds: (Revised by department)

Cedar Mountain is requesting \$30,000 in grant expenditures. The revenue reflects \$15,000 grant match for the acquisition of a pick-up truck to replace the service car and replacement of the oldest radio equipment (some 18 y/o) to p-25 compatible radios. The radios have a 10 year life cycle so the radios scheduled for replacement have exceeded the life expectancy. Staff does not know the exact award date for the proposed grant applications but the fire department reported the grant would be awarded during the 2016/2017 fiscal year.

Budget without additional personnel: \$194,000 (county fire tax portion) Fire Tax Rate: 0.1331

Budget without grant funding request: \$194,000 (county fire tax portion) Fire Tax Rate: 0.1331

Budget without grant and personnel: \$179,000 (county fire tax portion) Fire Tax Rate: 0.1228

Department: Lake Toxaway Fire

Requested: \$819,091 Percent Increase Budget: 22.7%

Major Items/Increases

Revenue Item: Decreased Property Valuation (249,000,000 decrease) or 13.32%

Expenditures: (these have been prioritized by Lake Toxaway Fire)

Personnel: Additional Personnel (priority # 1)

Lake Toxaway Fire is requesting an additional \$45,000 to hire a second staff member full time.

Capital Cash Purchase Apparatus: Purchase of Explorer/Tahoe \$45,000 (priority # 2)

Lake Toxaway is requesting funding to purchase an Explorer or Tahoe including striping, lights, and radios. The purchase will not add to the debt service. This is a replacement vehicle for a 2000 Tahoe currently in service by the department and utilized for personnel transport and first response. The department reported that the current vehicle is on its last leg requiring considerable maintenance and potentially a new engine if not replaced.

Capital Cash Purchase Other Equipment: Purchase of Replacement/Additional UTV \$20,000 (priority # 3)

Lake Toxaway Fire is requesting funding for the purchase of a UTV to utilize for search and rescue activities. This is essentially a replacement for the current UTV but the department plans to keep the older unit as a back up and /additional resource. The department has experienced increased rescue responses associated with the State Park and use of the park by citizens and visitors.

Building Fund: 3 Bay Storage Building at Main Station Site \$35,000 (priority # 4)

Lake Toxaway is requesting \$35,000 to be set in reserve for the future construction of a 3 bay storage building located on the main station property. The building will house vehicles and equipment utilized by the department for fire and rescue response.

Budget without additional personnel: \$774,091 Fire Tax Rate: 0.0480

Budget without vehicle request: \$774,091 Fire Tax Rate: 0.0480

Budget without UTV request: \$799,091 Fire Tax Rate: 0.0496

Budget without building fund request: \$784,091 Fire Tax Rate: 0.0486

Budget without additional personnel, vehicle, UTV,
and building fund: \$674,091 Fire Tax Rate: 0.0418

Department: Balsam Grove Fire

Requested: \$97,427 Percent Increase Budget: 3.7%

Major Items/Increases

The Balsam Grove Fire Department Budget does not have any major capital or personnel requested. Balsam Grove remains as the only fire department without paid staffing. The budget request is conservative and represents the needs of the department and the limited revenue potential in the district.

Department: North Transylvania Fire

Requested: \$183,726 Percent Increase Budget: 17.5%

Fire Tax Appropriation: \$153,400 (no increase)

Transfer From Reserve: \$5,000

Major Items/Increases

The North Transylvania Fire Department Budget does not have any major capital or personnel request. The 2015/2016 budget reflected a deficit of \$13,932 forcing the department to identify reductions during the year. The 2015/2016 budget omitted the departments insurance cost that was paid in 2015/2016 and is reflected in the 2016/2017 budget (\$14,171).

The department's 2016/2017 budget will also reflect a deficit and require the department to identify cuts during the year to balance the budget. This is in part due to the increase related to the insurance cost and the department's desire to keep tax rate consistent. It should be stated that continued operation with a deficit is not sustainable. The budget reflects a conservative approach to spending by the department. The request reflects the actual fire department needs to provide services at the department's current level.

Staff is also recommending the transfer of \$5,000 from the North Transylvania Fire District reserve to help the department fund its services during the 2016/2017 fiscal year.

**Transylvania County Fire Rescue Budgets
2016/2017
Summary**

Staff Summary

Volunteer fire and rescue organizations were asked to prepare and submit budget request for the 2016/2017 fiscal year. Once received, staff reviewed the budgets, met with departments and asked follow-up questions. This document and the accompanying spreadsheet provides the requested budgets, fire tax rates for the requested budget and a summary of the items within the budget requiring further consideration and direction from the Board of Commissioners.

There are some common themes within the requests across departments. First, we had five Departments request additional staffing for the 2016/2017 fiscal year. These include Brevard Fire, Connestee Fire, Cedar Mountain Fire, Lake Toxaway Fire, and Transylvania County Rescue Squad. Connestee Fire, Cedar Mountain Fire and Lake Toxaway Fire are all requesting one additional paid staff position. Cedar Mountain Fire revised its request to additional part time paid staff (\$15,000 annually). Brevard Fire Department is requesting funding for 2 positions to work the evening shift (Tuesday – Sunday 5pm-11pm). With the Emergency Services Study results pending discussion early in the 2016/2017 fiscal year, staff is recommending the Board of Commissioners make a comprehensive decision concerning the personnel requests.

Second, the requested budgets also include some capital requests and grant match funds. In some cases, this results in significant increases to the budget. Brevard Fire Department is requesting extrication equipment and the City is proposing utilizing funding from debt service to purchase the equipment over a five year period. The City of Brevard assumed the responsibility of extrication at MVAs within the City limits. Transylvania County Rescue Squad continues to provide this service in the Sylvan Valley 2 District. If this purchase is approved, it is prudent to change operational protocols for MVAs to standardize initial responses so that Brevard Fire is providing the service throughout the district in both the city and the county Sylvan Valley 2 District. . This is also consistent with the ongoing discussions for the Transylvania County Rescue Squad to focus its attention on specialized rescue and medical services.

The following is each department's revenue neutral rate and the rate required to fund the requested budget. It is important to note that all but 2 departments experienced a decrease in the property valuation. Revenue neutral results in a rate increase of between 0-0.65 cents. Funding at full request would result in additional rate increase of 0-5.49 cents.

Department	Current Rate	Revenue Neutral Rate	Requested Rate
Brevard	0.0443	0.0455	0.0433 (does not include sub-station funds)
Rosman	0.0980	0.1039	0.1091
Little River	0.0849	0.0881	0.0877
Connestee	0.0656	0.0695	0.0717

Cedar Mountain	0.1115	0.1180	0.1434 (revised request)
Lake Toxaway	0.0359	0.0414	0.0508
Balsam Grove	0.1056	0.1050	0.1089
North Trans.	0.1279	0.1279	0.1279

While each fire/rescue department budget is different depending on departmental needs or service demands, it is evident that each could benefit from funding set aside to match grant applications. It may be advantageous for the Board to consider setting aside funds that departments can apply for during the fiscal year as grant opportunities become available. The use of these funds would be on a case by case basis and require approval from the Board of Commissioners. It would serve as an incentive for departments to identify grant opportunities that could reduce future operational and capital costs for needed fire and/or rescue equipment. This could be achieved by designating general funds for this purpose or asking fire departments to budget for transfers to their county reserves for this purpose.

The following information is an overview of each department's budget request with the major items/increases impacting the budget for each department.

Department: Brevard Fire

Requested: \$898,098 Percent Increase: 38.5%

County Funding Requested:	\$367,094	Percent Increase: 18.9%
Funding from Debt Service:	\$122,000	
City of Brevard Funding:	\$409,004	Percent Increase: 20.3%
Total Budget:	\$898,098	

Major Items/Increases

Sub-Station: The County budgeted \$77,101 to be held in reserve for the acquisition of property and building a sub-station. This was anticipating a 5 year pay off for property. Direction concerning continuing setting aside funds for a sub-station is needed; the preliminary results from the emergency services study did not recommend any additional sub-stations.

Personnel: Evening Staff Cost: \$65,793
Increased Rate and Call Volume Cost: \$20,000
FICA Increase: \$6,563

Brevard Fire Department is requesting 2 paid positions for evening service (Tuesday-Sunday 5pm-11pm). These time slots will be filled with part-time personnel similar to its current day shift coverage.

The department is also requesting additional personnel funding for increased call volume and increased hourly rate that is paid to staff for shift coverage and volunteers

when they are on a call. The City Manager reported a Rate of \$9.00 per hour for volunteers while they are on a fire department call.

Equipment: Total \$122,000 (\$25,822 annually debt service for 4 years)

Brevard Fire Department is requesting new extrication equipment for 4 trucks at a total cost of \$122,000. The City Manager is recommending a finance option with 4 annual payment of \$25,822 to acquire this equipment.

Budget without evening personnel request: \$832,305 Fire Tax Rate: 0.0396

Budget without any paid staff increase: \$805,702 Fire Tax Rate: 0.0381

Budget without Extrication Equipment: \$776,098 Fire Tax Rate: 0.0418

Budget without evening personnel and equipment: \$710,305 Fire Tax Rate: 0.0382

Budget without any paid staff increase or equipment: \$683,742 Fire Tax Rate: 0.0367

Department: Rosman Fire

Requested: \$489,703 Percent Increase: 7.8%

Major Items/Increases

Per Call Reimbursement: Increase from \$20,000 to \$30,000

The department cites increased call volumes and increased membership and turnout on calls and justification for the increase. This is a volunteer recruitment and retention tool that assist department in encouraging volunteer participation and avoiding the growing need for paid staffing.

Repair and Maintenance- Building: Increase from \$33,195 to \$38,000

The department is requesting necessary improvement to the building facilities. The building is in need of remodel and improvements. Staff observed ceiling track collapse, paint issues, bay lights, paving needs and various other building improvement needs.

Uniforms: Increase from \$5,000 to \$8,000

The department has increased membership and a need for Class A uniforms for attendance at meeting and other events where fire department representation is required.

Pride in the station appearance and appropriate uniforms are also a recruitment and retention tools. During staff's meeting at the Rosman Fire Department, we observed needs in each of the major items listed in the department summary.

Department: Little River Fire

Requested: \$432,495 Percent Increase/Decrease: 0.0037% decrease

Little River continues to do a tremendous job ensuring quality services while maintaining its expenditures and cost. I did speak with the department chief and he stated that they had money set aside for the grant matches that the department has applied for should they be awarded.

Department: Connetsee Falls Fire

Requested: \$652,562 Percent Increase: 3.19%

Major Items/Increases

Personnel: Additional Staff (\$40,000)

Connetsee is requesting an increase in the Paid Staffing Program to cover a 1.5% cost of living raise and a 1.5% merit raise for our current full time employee and also to fund one additional full time employee.

Budget without additional personnel: \$612,562 Fire Tax Rate: 0.0673

Department: Cedar Mountain Fire

Requested: \$294,675 Percent Increase Budget: 42.1%

Requested County Fire Tax Revenue: \$252,000 Percent Increase: 17.0%

Major Items/Increases

Revenue Item: Requested from Reserve Fund \$5,000 (Balance as of 3/31/2016 (-128.05)

Given the negative balance, budgeted transfer from the reserve is not recommended by staff. This request was removed in revised request from department.

Expenditures:

Personnel: Additional Personnel Part-Time (\$15,000) (Revised by Department)

Cedar Mountain is requesting an increase of \$15,000 for additional paid staffing. The department is requesting the additional part-time staffing due to rising call volume and the safety issues of one person on duty.

Grant Matching Funds: (Revised by department)

Cedar Mountain is requesting \$30,000 in grant expenditures. The revenue reflects \$15,000 grant match for the acquisition of a pick-up truck to replace the service car and replacement of the oldest radio equipment (some 18 y/o) to p-25 compatible radios. The radios have a 10 year life cycle so the radios scheduled for replacement have exceeded the life expectancy. Staff does not know the exact award date for the proposed grant applications but the fire department reported the grant would be awarded during the 2016/2017 fiscal year.

Budget without additional personnel: \$194,000 (county fire tax portion) Fire Tax Rate: 0.1331

Budget without grant funding request: \$194,000 (county fire tax portion) Fire Tax Rate: 0.1331

Budget without grant and personnel: \$179,000 (county fire tax portion) Fire Tax Rate: 0.1228

Department: Lake Toxaway Fire

Requested: \$819,091 Percent Increase Budget: 22.7%

Major Items/Increases

Revenue Item: Decreased Property Valuation (249,000,000 decrease) or 13.32%

Expenditures: (these have been prioritized by Lake Toxaway Fire)

Personnel: Additional Personnel (priority # 1)

Lake Toxaway Fire is requesting an additional \$45,000 to hire a second staff member full time.

Capital Cash Purchase Apparatus: Purchase of Explorer/Tahoe \$45,000 (priority # 2)

Lake Toxaway is requesting funding to purchase an Explorer or Tahoe including striping, lights, and radios. The purchase will not add to the debt service. This is a replacement vehicle for a 2000 Tahoe currently in service by the department and utilized for personnel transport and first response. The department reported that the current vehicle is on its last leg requiring considerable maintenance and potentially a new engine if not replaced.

Capital Cash Purchase Other Equipment: Purchase of Replacement/Additional UTV \$20,000 (priority # 3)

Lake Toxaway Fire is requesting funding for the purchase of a UTV to utilize for search and rescue activities. This is essentially a replacement for the current UTV but the department plans to keep the older unit as a back up and /additional resource. The department has experienced increased rescue responses associated with the State Park and use of the park by citizens and visitors.

Building Fund: 3 Bay Storage Building at Main Station Site \$35,000 (priority # 4)

Lake Toxaway is requesting \$35,000 to be set in reserve for the future construction of a 3 bay storage building located on the main station property. The building will house vehicles and equipment utilized by the department for fire and rescue response.

Budget without additional personnel: \$774,091 Fire Tax Rate: 0.0480

Budget without vehicle request: \$774,091 Fire Tax Rate: 0.0480

Budget without UTV request: \$799,091 Fire Tax Rate: 0.0496

Budget without building fund request: \$784,091 Fire Tax Rate: 0.0486

Budget without additional personnel, vehicle, UTV,
and building fund: \$674,091 Fire Tax Rate: 0.0418

Department: Balsam Grove Fire

Requested: \$97,427 Percent Increase Budget: 3.7%

Major Items/Increases

The Balsam Grove Fire Department Budget does not have any major capital or personnel requested. Balsam Grove remains as the only fire department without paid staffing. The budget request is conservative and represents the needs of the department and the limited revenue potential in the district.

Department: North Transylvania Fire

Requested: \$183,726 Percent Increase Budget: 17.5%

Fire Tax Appropriation: \$153,400 (no increase)

Transfer From Reserve: \$5,000

Major Items/Increases

The North Transylvania Fire Department Budget does not have any major capital or personnel request. The 2015/2016 budget reflected a deficit of \$13,932 forcing the department to identify reductions during the year. The 2015/2016 budget omitted the departments insurance cost that was paid in 2015/2016 and is reflected in the 2016/2017 budget (\$14,171).

The department's 2016/2017 budget will also reflect a deficit and require the department to identify cuts during the year to balance the budget. This is in part due to the increase related to the insurance cost and the department's desire to keep tax rate consistent. It should be stated that continued operation with a deficit is not sustainable. The budget reflects a conservative approach to spending by the department. The request reflects the actual fire department needs to provide services at the department's current level.

Staff is also recommending the transfer of \$5,000 from the North Transylvania Fire District reserve to help the department fund its services during the 2016/2017 fiscal year.

Jaime Laughter

From: David Mcneill
Sent: Monday, May 09, 2016 1:53 PM
To: Jaime Laughter
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls
Attachments: Transylvania County Fire Rescue Budgets.docx

Nice catch. Not sure how I did that. Also revised the Transylvania County Fire Tax Revenue amount and percentage.
David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Monday, May 09, 2016 12:55 PM
To: David Mcneill
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

David,

Can you double check your numbers in the written document as far as the % increases being requested? I want to make sure we have that ready for Thursday.

J

From: David Mcneill
Sent: Friday, May 06, 2016 1:01 PM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

See attached revised summary reflecting Cedar Mountain changes. David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Friday, May 06, 2016 12:20 PM
To: David Mcneill; Gay Poor
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

Please do and shoot it back over to me and I'll update my slides from there.

From: David Mcneill
Sent: Friday, May 06, 2016 11:19 AM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>; Gay Poor <Gpoor@transylvaniacounty.org>
Subject: FW: Updated Budget WS FY 17 Cedar Mtn.xls

Cedar Mountain submitted a revised budget. It is great reduced but will result in a tax rate of 0.1434. Do you want me to change the summary to reflect this revised request? David

From: Davie Summey [mailto:dwsummey@comporium.net]
Sent: Thursday, May 05, 2016 11:41 PM
To: 'David McNeill'
Cc: jimmyhjones@citcom.net
Subject: Re: Updated Budget WS FY 17 Cedar Mtn.xls

David,

I have been out of town for the last week. Just got back in last night and me and Gina went through the budget and made some changes if needed. We would like to up grants if the county sets aside funding to assist with the match. This would make a huge difference in what we could do. We also dropped the full time staff to part time for now. We are taking a risk and dropping repairs and maintenance on apparatus and plan to get the paid staff to do more maintenance items. We also dropped the \$5000.00 in Capital for apparatus. At some point we will have to address all these as our trucks continue to get older and need to be replaced.

Davie

From: [David McNeill](#)
Sent: Friday, April 29, 2016 9:53 AM
To: '[David McNeill](#)' ; '[Davie Summey](#)'
Cc: jimmyhjones@citcom.net
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

Sorry attachment didn't go through. Here it is. David

From: David McNeill [<mailto:david.mcneill@transylvaniacounty.org>]
Sent: Friday, April 29, 2016 9:47 AM
To: 'Davie Summey'
Cc: 'jimmyhjones@citcom.net'
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

Hello Davie and Jimmy,

I had the finance director pull the fire district reserve accounts. As of 3/31/16, the Cedar Mountain Fire Service District had a negative balance of (-\$128.05). I attached the information from the finance office for your review. Given this, pulling \$5,000 from the Reserve is unavailable since there is currently a negative balance. Do you have any suggestions or request on how you would like to proceed? David

From: Davie Summey [<mailto:dwsummey@comporium.net>]
Sent: Sunday, April 24, 2016 4:27 PM
To: david.mcneill@transylvaniacounty.org
Cc: Gerald.grose@transylvaniacounty.org
Subject: Updated Budget WS FY 17 Cedar Mtn.xls

David,

I have made the change to the budget to show the income from grants. I appreciate you meeting with me on Saturday.

Thanks

Davie

**Transylvania County Fire Rescue Budgets
2016/2017
Summary**

Staff Summary

Volunteer fire and rescue organizations were asked to prepare and submit budget request for the 2016/2017 fiscal year. Once received, staff reviewed the budgets, met with departments and asked follow-up questions. This document and the accompanying spreadsheet provides the requested budgets, fire tax rates for the requested budget and a summary of the items within the budget requiring further consideration and direction from the Board of Commissioners.

There are some common themes within the requests across departments. First, we had five Departments request additional staffing for the 2016/2017 fiscal year. These include Brevard Fire, Connestee Fire, Cedar Mountain Fire, Lake Toxaway Fire, and Transylvania County Rescue Squad. Connestee Fire, Cedar Mountain Fire and Lake Toxaway Fire are all requesting one additional paid staff position. Brevard Fire Department is requesting funding for 2 positions to work the evening shift (Tuesday – Sunday 5pm-11pm). With the Emergency Services Study results pending discussion early in the 2016/2017 fiscal year, staff is recommending the Board of Commissioners make a comprehensive decision concerning the personnel requests.

Second, the requested budgets also include some capital requests and grant match funds. In some cases, this results in significant increases to the budget. Brevard Fire Department is requesting extrication equipment and the City is proposing utilizing funding from debt service to purchase the equipment over a five year period. The City of Brevard assumed the responsibility of extrication at MVAs within the City limits. Transylvania County Rescue Squad continues to provide this service in the Sylvan Valley 2 District. If this purchase is approved, it is prudent to change operational protocols for MVAs to standardize initial responses so that Brevard Fire is providing the service throughout the district in both the city and the county Sylvan Valley 2 District. . This is also consistent with the ongoing discussions for the Transylvania County Rescue Squad to focus its attention on specialized rescue and medical services.

The following is each department's revenue neutral rate and the rate required to fund the requested budget. It is important to note that all but 2 departments experienced a decrease in the property valuation. Revenue neutral results in a rate increase of between 0-0.65 cents. Funding at full request would result in additional rate increase of 0-5.49 cents.

Department	Current Rate	Revenue Neutral Rate	Requested Rate
Brevard	0.0443	0.0455	0.0433 (does not include sub-station funds)
Rosman	0.0980	0.1039	0.1091
Little River	0.0849	0.0881	0.0877
Connestee	0.0656	0.0695	0.0717
Cedar Mountain	0.1115	0.1180	0.1729

Lake Toxaway	0.0359	0.0414	0.0508
Balsam Grove	0.1056	0.1050	0.1089
North Trans.	0.1279	0.1279	0.1279

While each fire/rescue department budget is different depending on departmental needs or service demands, it is evident that each could benefit from funding set aside to match grant applications. It may be advantageous for the Board to consider setting aside funds that departments can apply for during the fiscal year as grant opportunities become available. The use of these funds would be on a case by case basis and require approval from the Board of Commissioners. It would serve as an incentive for departments to identify grant opportunities that could reduce future operational and capital costs for needed fire and/or rescue equipment. This could be achieved by designating general funds for this purpose or asking fire departments to budget for transfers to their county reserves for this purpose.

The following information is an overview of each department's budget request with the major items/increases impacting the budget for each department.

Department: Brevard Fire

Requested: \$898,098 Percent Increase: 38.5%

County Funding Requested: \$367,094 Percent Increase: 18.9%

Funding from Debt Service: \$122,000

City of Brevard Funding: \$409,004 Percent Increase: 20.3%

Total Budget: \$898,098

Major Items/Increases

Sub-Station: The County budgeted \$77,101 to be held in reserve for the acquisition of property and building a sub-station. This was anticipating a 5 year pay off for property. Direction concerning continuing setting aside funds for a sub-station is needed; the preliminary results from the emergency services study did not recommend any additional sub-stations.

Personnel: Evening Staff Cost: \$65,793
Increased Rate and Call Volume Cost: \$20,000
FICA Increase: \$6,563

Brevard Fire Department is requesting 2 paid positions for evening service (Tuesday-Sunday 5pm-11pm). These time slots will be filled with part-time personnel similar to its current day shift coverage.

The department is also requesting additional personnel funding for increased call volume and increased hourly rate that is paid to staff for shift coverage and volunteers

when they are on a call. The City Manager reported a Rate of \$9.00 per hour for volunteers while they are on a fire department call.

Equipment: Total \$122,000 (\$25,822 annually debt service for 4 years)

Brevard Fire Department is requesting new extrication equipment for 4 trucks at a total cost of \$122,000. The City Manager is recommending a finance option with 4 annual payment of \$25,822 to acquire this equipment.

Budget without evening personnel request: \$832,305 Fire Tax Rate: 0.0396

Budget without any paid staff increase: \$805,702 Fire Tax Rate: 0.0381

Budget without Extrication Equipment: \$776,098 Fire Tax Rate: 0.0418

Budget without evening personnel and equipment: \$710,305 Fire Tax Rate: 0.0382

Budget without any paid staff increase or equipment: \$683,742 Fire Tax Rate: 0.0367

Department: Rosman Fire

Requested: \$489,703 Percent Increase: 7.8%

Major Items/Increases

Per Call Reimbursement: Increase from \$20,000 to \$30,000

The department cites increased call volumes and increased membership and turnout on calls and justification for the increase. This is a volunteer recruitment and retention tool that assist department in encouraging volunteer participation and avoiding the growing need for paid staffing.

Repair and Maintenance- Building: Increase from \$33,195 to \$38,000

The department is requesting necessary improvement to the building facilities. The building is in need of remodel and improvements. Staff observed ceiling track collapse, paint issues, bay lights, paving needs and various other building improvement needs.

Uniforms: Increase from \$5,000 to \$8,000

The department has increased membership and a need for Class A uniforms for attendance at meeting and other events where fire department representation is required.

Pride in the station appearance and appropriate uniforms are also a recruitment and retention tools. During staff's meeting at the Rosman Fire Department, we observed needs in each of the major items listed in the department summary.

Department: Little River Fire

Requested: \$432,495 Percent Increase/Decrease: 0.0037% decrease

Little River continues to do a tremendous job ensuring quality services while maintaining its expenditures and cost. I did speak with the department chief and he stated that they had money set aside for the grant matches that the department has applied for should they be awarded.

Department: Connetsee Falls Fire

Requested: \$652,562 Percent Increase: 3.19%

Major Items/Increases

Personnel: Additional Staff (\$40,000)

Connetsee is requesting an increase in the Paid Staffing Program to cover a 1.5% cost of living raise and a 1.5% merit raise for our current full time employee and also to fund one additional full time employee.

Budget without additional personnel: \$612,562 Fire Tax Rate: 0.0673

Department: Cedar Mountain Fire

Requested: \$357,675 Percent Increase Budget: 42.1%

Requested County Fire Tax Revenue: \$252,000 Percent Increase: 46.5%

Major Items/Increases

Revenue Item: Requested from Reserve Fund \$5,000 (Balance as of 3/31/2016 (-128.05)
Given the negative balance, budgeted transfer from the reserve is not recommended by staff.

Expenditures:

Personnel: Additional Personnel (\$40,000)

Cedar Mountain is requesting an increase of \$40,000 for additional paid staffing. The department is requesting the additional staffing due to rising call volume and the safety issues of one person on duty. The department is requesting a second person on duty during the day all the time.

Grant Matching Funds:

Cedar Mountain is requesting \$60,000 in grant expenditures. The revenue reflects \$30,000 grant match for the acquisition of a pick-up truck to replace the service car and replacement of the oldest radio equipment (some 18 y/o) to p-25 compatible radios. The radios have a 10 year life cycle so the radios scheduled for replacement have exceeded the life expectancy. Staff does not know the exact award date for the proposed grant applications but the fire department reported the grant would be awarded during the 2016/2017 fiscal year.

Budget without additional personnel: \$212,000 (county fire tax portion) Fire Tax Rate: 0.1454

Budget without grant funding request: \$222,000 (county fire tax portion) Fire Tax Rate: 0.1523

Budget without grant and personnel: \$187,000 (county fire tax portion) Fire Tax Rate: 0.1283

Department: Lake Toxaway Fire

Requested: \$819,091 Percent Increase Budget: 22.7%

Major Items/Increases

Revenue Item: Decreased Property Valuation (249,000,000 decrease) or 13.32%

Expenditures: (these have been prioritized by Lake Toxaway Fire)

Personnel: Additional Personnel (priority # 1)

Lake Toxaway Fire is requesting an additional \$45,000 to hire a second staff member full time.

Capital Cash Purchase Apparatus: Purchase of Explorer/Tahoe \$45,000 (priority # 2)

Lake Toxaway is requesting funding to purchase an Explorer or Tahoe including striping, lights, and radios. The purchase will not add to the debt service. This is a replacement vehicle for a 2000 Tahoe currently in service by the department and utilized for personnel transport and first response. The department reported that the current vehicle is on its last leg requiring considerable maintenance and potentially a new engine if not replaced.

Capital Cash Purchase Other Equipment: Purchase of Replacement/Additional UTV \$20,000
(priority # 3)

Lake Toxaway Fire is requesting funding for the purchase of a UTV to utilize for search and rescue activities. This is essentially a replacement for the current UTV but the department plans to keep the older unit as a back up and /additional resource. The department has experienced increased rescue responses associated with the State Park and use of the park by citizens and visitors.

Building Fund: 3 Bay Storage Building at Main Station Site \$35,000 (priority # 4)

Lake Toxaway is requesting \$35,000 to be set in reserve for the future construction of a 3 bay storage building located on the main station property. The building will house vehicles and equipment utilized by the department for fire and rescue response.

Budget without additional personnel: \$774,091 Fire Tax Rate: 0.0480

Budget without vehicle request: \$774,091 Fire Tax Rate: 0.0480

Budget without UTV request: \$799,091 Fire Tax Rate: 0.0496

Budget without building fund request: \$784,091 Fire Tax Rate: 0.0486

Budget without additional personnel, vehicle, UTV,
and building fund: \$674,091 Fire Tax Rate: 0.0418

Department: Balsam Grove Fire

Requested: \$97,427 Percent Increase Budget: 3.7%

Major Items/Increases

The Balsam Grove Fire Department Budget does not have any major capital or personnel requested. Balsam Grove remains as the only fire department without paid staffing. The budget request is conservative and represents the needs of the department and the limited revenue potential in the district.

Department: North Transylvania Fire

Requested: \$183,726 Percent Increase Budget: 17.5%

Fire Tax Appropriation: \$153,400 (no increase)

Transfer From Reserve: \$5,000

Major Items/Increases

The North Transylvania Fire Department Budget does not have any major capital or personnel request. The 2015/2016 budget reflected a deficit of \$13,932 forcing the department to identify reductions during the year. The 2015/2016 budget omitted the departments insurance cost that was paid in 2015/2016 and is reflected in the 2016/2017 budget (\$14,171).

The department's 2016/2017 budget will also reflect a deficit and require the department to identify cuts during the year to balance the budget. This is in part due to the increase related to the insurance cost and the department's desire to keep tax rate consistent. It should be stated that continued operation with a deficit is not sustainable. The budget reflects a conservative approach to spending by the department. The request reflects the actual fire department needs to provide services at the department's current level.

Staff is also recommending the transfer of \$5,000 from the North Transylvania Fire District reserve to help the department fund its services during the 2016/2017 fiscal year.

Jaime Laughter

From: David Mcneill
Sent: Friday, May 06, 2016 1:01 PM
To: Jaime Laughter
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls
Attachments: Transylvania County Fire Rescue Budgets.docx

See attached revised summary reflecting Cedar Mountain changes. David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Friday, May 06, 2016 12:20 PM
To: David Mcneill; Gay Poor
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

Please do and shoot it back over to me and I'll update my slides from there.

From: David Mcneill
Sent: Friday, May 06, 2016 11:19 AM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>; Gay Poor <Gpoor@transylvaniacounty.org>
Subject: FW: Updated Budget WS FY 17 Cedar Mtn.xls

Cedar Mountain submitted a revised budget. It is great reduced but will result in a tax rate of 0.1434. Do you want me to change the summary to reflect this revised request? David

From: Davie Summey [mailto:dwsummey@comporium.net]
Sent: Thursday, May 05, 2016 11:41 PM
To: 'David McNeill'
Cc: jimmyhjones@citcom.net
Subject: Re: Updated Budget WS FY 17 Cedar Mtn.xls

David,

I have been out of town for the last week. Just got back in last night and me and Gina went through the budget and made some changes if needed. We would like to up grants if the county sets aside funding to assist with the match. This would make a huge difference in what we could do. We also dropped the full time staff to part time for now. We are taking a risk and dropping repairs and maintenance on apparatus and plan to get the paid staff to do more maintenance items. We also dropped the \$5000.00 in Capital for apparatus. At some point we will have to address all these as our trucks continue to get older and need to be replaced.

Davie

From: [David McNeill](#)
Sent: Friday, April 29, 2016 9:53 AM
To: 'David McNeill' ; 'Davie Summey'
Cc: jimmyhjones@citcom.net
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

Sorry attachment didn't go through. Here it is. David

From: David McNeill [<mailto:david.mcneill@transylvaniacounty.org>]
Sent: Friday, April 29, 2016 9:47 AM
To: 'Davie Summey'
Cc: 'jimmyhjones@citcom.net'
Subject: RE: Updated Budget WS FY 17 Cedar Mtn.xls

Hello Davie and Jimmy,

I had the finance director pull the fire district reserve accounts. As of 3/31/16, the Cedar Mountain Fire Service District had a negative balance of (-\$128.05). I attached the information from the finance office for your review. Given this, pulling \$5,000 from the Reserve is unavailable since there is currently a negative balance. Do you have any suggestions or request on how you would like to proceed? David

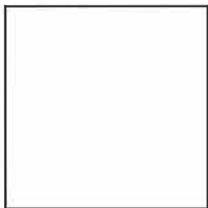
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To: david.mcneill@transylvaniacounty.org
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David,

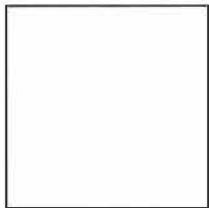
I have made the change to the budget to show the income from grants. I appreciate you meeting with me on Saturday.

Thanks

Davie



Virus-free. www.avast.com



This email has been checked for viruses by Avast antivirus software.
www.avast.com

Jaime Laughter

From: David Mcneill
Sent: Wednesday, May 04, 2016 12:56 PM
To: Jaime Laughter
Cc: Gay Poor
Subject: RE:
Attachments: Transylvania County Fire Rescue Budgets.docx

Please see attached revised document incorporating the recommended changes from Jaime. David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Wednesday, May 04, 2016 10:59 AM
To: David Mcneill
Cc: Gay Poor
Subject: RE:

David,

Great job taking us in a new direction with how we present these! I have reviewed what you sent and attached are my comments and modifications in track changes. I will be in the office working on budget all afternoon if you'd like to come by to discuss after you've taken a look. Two general things:

I wouldn't include the Rescue Squad in this doc since we fund them from general fund and not a separate tax rate. Second, I would show the rate change in parenthesis throughout the summary by dept. I did a quick analysis on the attached excel file showing how much increase to get to rev neutral, then the addition required to get to requested and the total jump.

J

From: David Mcneill
Sent: Monday, May 02, 2016 1:52 PM
To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>; Gay Poor <Gpoor@transylvaniacounty.org>
Subject:

Hello Jaime and Gay,

I have attached a draft summary of the fire department budgets. I am still waiting on information from the City of Brevard and Rosman to finalize the summary. I expect that late today or tomorrow. I also attached a draft spreadsheet that Gay prepared. You can see the request and how it affects the fire tax rate. I have not inserted a recommended budget in any of the departments requesting additional staff. I would like to get some feedback to see if any support for additional staff is there. I would also like some feedback/direction on the capital items that I have listed in each department's summary.

It may be advantageous to meet and discuss briefly Wednesday if you have time.

David

Jaime Laughter

From: David Mcneill
Sent: Monday, May 02, 2016 1:52 PM
To: Jaime Laughter; Gay Poor
Attachments: draft of Fire Tax Rates 17.xls; Transylvania County Fire Rescue Budgets.docx

Hello Jaime and Gay,

I have attached a draft summary of the fire department budgets. I am still waiting on information from the City of Brevard and Rosman to finalize the summary. I expect that late today or tomorrow. I also attached a draft spreadsheet that Gay prepared. You can see the request and how it affects the fire tax rate. I have not inserted a recommended budget in any of the departments requesting additional staff. I would like to get some feedback to see if any support for additional staff is there. I would also like some feedback/direction on the capital items that I have listed in each department's summary.

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**Transylvania County Fire Rescue Budgets
2016/2017
Summary**

Staff Summary

Volunteer fire and rescue organizations were asked to prepare and submit budget request for the 2016/2017 fiscal year. Once received, staff reviewed the budgets, met with departments and asked follow-up questions. This document and the accompanying spreadsheet provides the requested budgets, fire tax rates for the requested budget and the items within the budget requiring further consideration and direction from the Board of Commissioners.

First, we had five Departments request additional staffing for the 2016/2017 fiscal year. These include Brevard Fire, Connestee Fire, Cedar Mountain Fire, Lake Toxaway Fire, and Transylvania County Rescue Squad. Connestee Fire, Cedar Mountain Fire, Lake Toxaway Fire, and Transylvania County Rescue Squad are all requesting one additional paid staff position. Brevard Fire Department is requesting funding for 2 positions to work the evening shift (Tuesday – Sunday 5pm-11pm). With the Emergency Services Study results pending discussion early in the 2016/2017 fiscal year, staff is asking for direction from the Board of Commissioners concerning the personnel requests.

The requested budgets also include some capital request and grant match funds. In some cases, this results in significant increases to the budget. Brevard Fire Department is requesting extrication equipment and the City is proposing utilizing funding from debt service to purchase the equipment. The City of Brevard assumed the responsibility of extrication at MVAs within the City limits. Transylvania County Rescue Squad continues to provide this service in the Sylvan Valley 2 District. If this purchase is approved, it is prudent to change operational protocols for MVAs to standardize initial responses. This is also consistent with the ongoing discussions for the Transylvania County Rescue Squad to focus its attention on specialized rescue and medical services.

The following is each department's revenue neutral rate and the rate required to fund the requested budget. It is important to note that all but 2 departments experienced a decrease in the property valuation.

Department	Current Rate	Revenue Neutral Rate	Requested Rate
Brevard	0.0443	0.0455	0.0448 (does not include sub-station funds)
Rosman	0.0980	0.1039	0.1120
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Cedar Mountain	0.1115	0.1180	0.1729
Lake Toxaway	0.0359	0.0414	0.0508
Balsam Grove	0.1056	0.1050	0.1089
North Trans.	0.1279	0.1279	0.1279

While each fire/rescue department budget is different depending on departmental needs or service demands. It is evident that each could benefit from funding set aside to match grant applications. It may be advantageous for the Board to consider setting aside funds that departments can apply for during the fiscal year as grant opportunities become available. The use of these funds would be on a case by case basis and require approval from the Board of Commissioners. It would serve as an incentive for departments to identify grant opportunities that could reduce future operational and capital costs for needed fire and/or rescue equipment.

The following information is an overview of each department’s budget request with the major items/increases impacting the budget for each department.

Department: Brevard Fire

Requested: \$922,555	Percent Increase: 42.3%
County Funding Requested: \$380,263	Percent Increase: 23.1%
Funding from Debt Service: \$122,000	
City of Brevard Funding: \$420,292	Percent Increase: 23.7%
Total Budget: \$922,555	

Major Items/Increases

Sub-Station: The County budgeted \$77,101 to be held in reserve for the acquisition of property and building a sub-station. This was anticipating a 5 year pay off for property. Direction concerning continuing setting aside funds for a sub-station is needed.

Personnel: Evening Staff Cost
Increased Rate and Call Volume Cost

Brevard Fire Department is requesting 2 paid positions for evening service (Tuesday-Sunday 5pm-11pm). These time slots will be filled with part-time personnel similar to its current day shift coverage.

The department is also requesting additional personnel funding for increased call volume and increased hourly rate that is paid to staff for shift coverage and volunteers when they are on a call. The City Manager reported a Rate of \$9.00 per hour for volunteers while they are on a fire department call.

Equipment: Total \$122,000 (\$25,822 annually debt service for 4 years)

Brevard Fire Department is requesting new extrication equipment for 4 trucks at a total cost of \$122,000. The City Manager is recommending a finance option with 4 annual payment of \$25,822 to acquire this equipment.

Department: Rosman Fire

Requested: \$502,703 Percent Increase: 7.8%

Major Items/Increases

Per Call Reimbursement: Increase from \$20,000 to \$30,000

The department cites increased call volumes and increased membership and turnout on calls and justification for the increase. This is a volunteer recruitment and retention tool that assist department in encouraging volunteer participation.

Protective Gear: Increase from \$20,000 to \$25,000

The department has increased membership and response necessitating the increase to allow acquisition of turn out gear for structural and non fire responders.

Repair and Maintenance- Building: Increase from \$33,195 to \$38,000

The department is requesting necessary improvement to the building facilities. The building is in need of remodel and improvements. Staff observed ceiling track collapse, paint issues, bay lights, paving needs and various other building improvement needs.

Uniforms: Increase from \$5,000 to \$8,000

The department has increased membership and a need for Class A uniforms for attendance at meeting and other events where fire department representation is required.

Department: Little River Fire

Requested: \$432,495 Percent Increase/Decrease: 0.0037% decrease

Little River continues to do a tremendous job ensuring quality services while maintaining its expenditures and cost. I did speak with the department chief and he stated that they had money set aside for the grant matches that the department has applied for.

Department: Connestee Falls Fire

Requested: \$652,562 Percent Increase: 3.19%

Major Items/Increases

Personnel: Additional Staff (\$40,000)

Connestee is requesting an increase in the Paid Staffing Program to cover a 1.5% cost of living raise and a 1.5% merit raise for our current full time employee and also to fund one additional full time employee.

Budget without additional personnel: \$612,562 Fire Tax Rate: 0.0673

Department: Cedar Mountain Fire

Requested: \$357,675 Percent Increase Budget: 42.1%

Requested County Fire Tax Revenue: \$252,000 Percent Increase: 46.5%

Major Items/Increases

Revenue Item: Requested from Reserve Fund \$5,000 **(Balance as of 3/31/2016 (-128.05))**

Expenditures:

Personnel: Additional Personnel (\$40,000)

Cedar Mountain is requesting an increase of \$40,000 for additional paid staffing. The department is requesting the additional staffing due to rising call volume and the safety issues of one person on duty. The department is requesting a second person on duty during the day all the time.

Grant Matching Funds:

Cedar Mountain is requesting \$60,000 in grant expenditures. The revenue reflects \$30,000 grant match for the acquisition of a pick-up truck to replace the service car and replacement of the oldest radio equipment (some 18 y/o) to p-25 compatible radios. The radios have a 10 year life cycle so the radios scheduled for replacement have exceeded the life expectancy.

Budget without additional personnel: \$212,000 (county fire tax portion) Fire Tax Rate: 0.1454

Budget without grant funding request: \$222,000 (county fire tax portion) Fire Tax Rate: 0.1523

Budget without grant and personnel: \$182,000 (county fire tax portion) Fire Tax Rate: 0.1249

Department: Lake Toxaway Fire

Requested: \$819,091 Percent Increase Budget: 22.7%

Major Items/Increases

Revenue Item: Decreased Property Valuation (249,000,000 decrease) or 13.32%

Expenditures: (these have been prioritized by Lake Toxaway Fire)

Personnel: Additional Personnel (priority # 1)

Lake Toxaway Fire is requesting an additional \$45,000 to hire a second staff member full time.

Capital Cash Purchase Apparatus: Purchase of Explorer/Tahoe \$45,000 (priority # 2)

Lake Toxaway is requesting funding to purchase an Explorer or Tahoe including striping, lights, and radios. The purchase will not add to the debt service. This is a replacement vehicle for a 2000 Tahoe currently in service by the department and utilized for personnel transport and first response. The department reported that the current vehicle is on its last leg requiring considerable maintenance and potentially a new engine if not replaced.

Capital Cash Purchase Other Equipment: Purchase of Replacement/Additional UTV \$20,000 (priority # 3)

Lake Toxaway Fire is requesting funding for the purchase of a UTV to utilize for search and rescue activities. This is essentially a replacement for the current UTV but the department plans to keep the older unit as a back up and /additional resource. The department has experienced increased rescue responses associated with the State Park and use of the park by citizens and visitors.

Building Fund: 3 Bay Storage Building at Main Station Site \$35,000 (priority # 4)

Lake Toxaway is requesting \$35,000 to be set in reserve for the future construction of a 3 bay storage building located on the main station property. The building will house vehicles and equipment utilized by the department for fire and rescue response.

Budget without additional personnel: \$774,091 Fire Tax Rate: 0.0480

Budget without vehicle request: \$774,091 Fire Tax Rate: 0.0480

Budget without UTV request: \$799,091

Fire Tax Rate: 0.0496

Budget without building fund request: \$784,091

Fire Tax Rate: 0.0486

Budget without additional personnel, vehicle, UTV, and building fund: \$674,091 Fire Tax Rate:
0.0418

Department: Balsam Grove Fire

Requested: \$97,427

Percent Increase Budget: 3.7%

Major Items/Increases

The Balsam Grove Fire Department Budget does not have any major capital or personnel requested. Balsam Grove remains as the only fire department without paid staffing. The budget request is conservative and represents the needs of the department and the limited revenue potential in the district.

Department: North Transylvania Fire

Requested: \$183,726

Percent Increase Budget: 17.5%

Fire Tax Appropriation: \$153,400 (no increase)

Transfer From Reserve: \$5,000

Major Items/Increases

The North Transylvania Fire Department Budget does not have any major capital or personnel request. The 2015/2016 budget reflected a deficit of \$13,932 forcing the department to identify reductions during the year. The 2015/2016 budget omitted the departments insurance cost that was paid in 2015/2016 and is reflected in the 2016/2017 budget (\$14,171).

The department's 2016/2017 budget will also reflect a deficit and require the department to identify cuts during the year to balance the budget. This is in part due to the increase related to the insurance cost and the department's desire to keep tax rate consistent. It should be stated that continued operation with a deficit is not sustainable. The budget reflects a conservative approach to spending by the department. The request reflects the actual fire department needs to provide services at the department's current level.

Staff is also recommending the transfer of \$5,000 from the North Transylvania Fire District reserve to help the department fund its services during the 2016/2017 fiscal year.

Department: Transylvania County Rescue Squad

Requested: \$315,000 Percent Increase Budget: 16.6%

Transylvania County Tax Request: \$269,000 Percent Increase: 19.7%

Major Items/Increases

Personnel: Additional Personnel (\$40,000)

The Transylvania County Rescue Squad has the largest call volume of any volunteer department. They also provide back-up ambulance services and a driver for EMS when TCEMS units are all on calls. The department is requesting an additional paid staff person to help meet the increased demand. The increase staff request makes up \$40,000 of the \$45,000 increase in the departmental budget request.

Jaime Laughter

From: David Mcneill
Sent: Tuesday, January 12, 2016 3:58 PM
To: Jaime Laughter
Subject: RE: Brevard Fire

Jaime,

Whatever timeline works best for you with respect to fire department budgets is fine with me. If you have a date in mind that you would like to have them ready for you and the commissioners to review, I will work to ensure we get them done. There are several thoughts with respect to the fire department budgets and it really depends on what you and the board would like to see. I did meet the PSSI representative Friday to review our current process. I would expect the report to provide feedback and guidance concerning the budget/fire funding process and identify efficiencies that may be incorporated.

In most counties, the focus is on the fire tax rate. If there is no increase in the rate requested, the county usually approves it without much question or ever seeing proposed expenditures. Fire tax rate increases require more justification and usually center around capital needs, capital improvements and/or service level improvements. Fire tax is also usually distributed as it is collected meaning departments must manage funds well because they see one large disbursement around the beginning of the calendar year with smaller amounts throughout the remainder of the year. This is exactly how we used to handle fire department funding. While we met resistance during the change, I believe that most departments prefer our current method now. This study may be an opportunity to open that discussion with the departments.

I am also very much open to your thoughts. What direction would you like to see with respect to the fire department budget process? Do we want to compel departments to participate in joint purchasing, standardization of equipment specifications, county purchasing of equipment and facilities etc? These are all legitimate ideas but may meet with resistance.

This year, do you want the budget package for the Commissioners to be simplified. We can present the total proposed budget number for each department, key elements or expenditures (accomplishments, trends, goals) and the proposed fire tax rate in each district with any changes. This may remove the tendency to get distracted or avoid inaccurate comparisons of department line items? Of course, I would still have the budget package from each department as a reference. Just a thought?

David

From: Jaime Laughter [mailto:jaime.laughter@transylvaniacounty.org]
Sent: Tuesday, January 12, 2016 11:22 AM
To: David Mcneill
Subject: RE: Brevard Fire

David- We are definitely on the same page. I have said that to Jim Fatland already and even said the study may show us ways we can cover that area differently given that there are other substations/stations that may be able to service the area just as well if we end up making changes from the study results. You don't have to say the latter because I know there is sensitivity around the study right now, but I did say it to Jim even before we got started.

What is your expected timeline for fire dept budgets this year? Any thoughts on ways to make that process easier with our new format for the budget process? I am open to ideas. I realize that last year the changes to the process did not translate well in this category so I want to do anything I can to improve this year.

Jaime

From: David Mcneill

Sent: Tuesday, January 12, 2016 10:57 AM

To: Jaime Laughter <jaime.laughter@transylvaniacounty.org>

Subject: Brevard Fire

Hello Jaime,

Just FYI, Brevard Fire has asked if I can meet with them tomorrow to discuss the path forward for a substation. Given the fact that the property on 276 at Wilson Road is likely not an option at this point, I am leaning towards waiting on the results from the emergency services study before moving forward. Are you on the same page? The funds budgeted this year will remain in the Sylvan Valley 2 reserve until the results of the study.

David

Jaime Laughter

From: David Mcneill
Sent: Tuesday, January 12, 2016 10:57 AM
To: Jaime Laughter
Subject: Brevard Fire

Hello Jaime,

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David