

**HYALITE RURAL FIRE DISTRICT
BOARD OF TRUSTEES PUBLIC ANNUAL MEETING**

DATE: OCTOBER 15, 2019 TIME: 7:00 p.m.

LOCATION: Sourdough Fire Station, 4541 S. 3rd Rd., Bozeman, MT

CALL TO ORDER OF HYALITE RURAL FIRE DISTRICT

Reminder to the public that meetings are being recorded.

PUBLIC COMMENT ON MATTERS NOT INCLUDED IN THE AGENDA

HYALITE CONSENT AGENDA

1. Approval of Financial Report
2. Approval of Warrants
3. Approval of September 24, 2019 Meeting Synopsis
[Consent Agenda Attached]

REGULAR AGENDA

1. Update and Discussion – solar grants
Supporting Documents Attached
2. Discussion and Decision – Updated Signage for HRFD Buildings
3. Fire Chief's Report
4. Trustees' Activities
5. Announcements

ADJOURNMENT

This notice is posted on the door of the Administrative Building of the Sourdough Fire Station, the Rae Fire Station, and the Cottonwood Fire Station, and is posted on the Hyalite website and/or Facebook Page at least 48 hours prior to the meeting. Notice of the meeting is published in the Bozeman Daily Chronicle at least 48 hours prior to the meeting.

Regular Agenda Item 1

Solar Grant Information



NABCEP Certified Solar PV Installer
350 Heidner Lane, Bozeman, Montana 59718
P: 406.580.6068 F: 406.388.8828
e-mail: info@bozemangreenbuild.com

October 7, 2019
Hyalite Rural Fire Department
Sourdough Station
4541 S 3rd Rd
Bozeman, MT 59715

Quotation

46.875 KW Solar Photovoltaic Electrical Generating System

Description

Provide and install a grid-tied solar PV system with the following characteristics:

- DC Nameplate Rating: 46,875 Watts
- Location: South-Facing Roof of Sourdough Station
- Mounting Type: Iron Ridge Flush-Mount Racking
- Module Make and Model: (125) Trina Solar 375 Watt
- Inverters Make and Model: (1) SMA Sunny Tripower Core 1 50 KW
- Monitoring: SMA Sunny Portal

Note: Due to volatility in the PV module market, BGB reserves the right to use a panel of equivalent or greater quality depending on module availability at the time of construction.

Note: The specific Racking and Inverter equipment selected for this project is subject to change without notice at the sole discretion of BGB. Any substitutions made will be of equal or greater quality.

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e-mail: info@bozemangreenbuild.com

Services provided to complete this installation will include:

- System design including site plan schematic and one-line diagram
- Provision of all primary equipment and materials for completion of the electrical generating system including the solar PV equipment listed above
- Provision of all Balance of System equipment and materials for completion of the system
- Provision of all electrical labor including installation and wiring of solar PV modules, inverters, AC disconnect and utility intertie
- Provision of State of Montana electrical permit

Note: Hyalite Rural Fire Department will pay separately and over and above the costs represented in this proposal for all engineering services associated with this project, including electrical and structural engineering services (if required); and including P.E stamped drawings if required.

Cost of Work

The cost of the work listed above, including all equipment, materials and labor necessary to complete the installation of a roof-mounted, grid-tied 46.875 KW solar PV system is:

System Cost:	\$97,986.00
Total Upfront Cost	\$97,986.00
Less NorthWestern Energy Grant	<u>78,400.00</u>
	\$19,586.00

Annual KWH Load *Estimated	225,000
Annual AC PV KWH Production	55,359
Percentage of Load	24.60%

Schedule of Payments

Initial Payment:	\$	10,000.00
Due upon acceptance		

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e-mail: info@bozemangreenbuild.com

of this proposal

Second Payment:	\$	39,500.00
Due at time of placement of PV Equipment Order		

Third Payment:	\$	39,500.00
Due upon completion of PV Module installation		

Final Payment:	\$	8,986.00
Due upon completion of installation and system commissioning		

****Note: Bozeman Green Build is not able to control when the State Electrical Inspector will conduct the inspection, nor is BGB able to control when NorthWestern Energy will install its Net Meter. Thus, the Final Payment is not contingent upon completion of inspection or installation of Net Meter and will be due upon completion of installation.**

Total:	\$	97,986.00
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Warranty

Bozeman Green Build will provide the following warranty for this PV System Installation:

- 15 year warranty against defects in installation workmanship including assumption of 100% of the repair and replacement costs of any system components that fail to perform due to faulty installation
- 15 year warranty against roof leakage due to faulty installation of PV System standoffs, including assumption of 100% of the costs of the repair work resulting from roof leakage
- Solar PV equipment warranties will be carried by equipment manufacturers

Sourdough Fire Solar PV System

Return on Investment

46.875 KW Roof Mounted System
(125) 375 Watt Modules

BOZEMAN GREEN BUILD

E-MAIL: info@bozemangreenbuild.com PH: 406-580-6068

System Size:	46.875 (kW)
System Cost:	97,986.00
NorthWestern Energy Grant	78,388.80
Cost After NWE Grant:	19,597.20
Final System Cost:	19,597.20
Cost per Watt (after credits):	0.42 \$/Watt
Current Utility Power Cost:	8.000 cents/kWh
Assumed Annual Utility Cost Increase:	2.5 %
NREL Est. Production (AZ 180°, 20 & 7.6° tilt)	1.181 kWh/y/W
Estimated Annual Production (year 1):	55359 (kWh)
Estimated Annual Production (year 10):	49823 (kWh)
Estimated Annual Production (year 25):	44288 (kWh)
Number of years until payback:	4 years
Lifetime Monetary Gain:	\$154,074.44
Equivalent APR over system's lifetime:	7.54 %
Average Electricity Cost Over System Lifetime:	1.3 cents/kWh

Total 30-Year Kilowatt Hour Production

Year	Power Cost	Production (kWh)	Utility Power Savings	Accrued Savings	Return on Investment	Year
1	0.080	55359	\$4,429	\$4,429	22.60%	1
2	0.082	54972	\$4,508	\$8,936	45.60%	2
3	0.084	54587	\$4,588	\$13,524	69.01%	3
4	0.086	54205	\$4,670	\$18,194	92.84%	4
5	0.088	53826	\$4,753	\$22,947	117.10%	5
6	0.091	53449	\$4,838	\$27,785	141.78%	6
7	0.093	53075	\$4,924	\$32,709	166.91%	7
8	0.095	52703	\$5,012	\$37,721	192.48%	8
9	0.097	52334	\$5,101	\$42,822	218.51%	9
10	0.100	51968	\$5,192	\$48,014	245.01%	10
11	0.102	51604	\$5,285	\$53,299	271.97%	11
12	0.105	51243	\$5,379	\$58,678	299.42%	12
13	0.108	50884	\$5,475	\$64,152	327.35%	13
14	0.110	50528	\$5,572	\$69,724	355.79%	14
15	0.113	50174	\$5,672	\$75,396	384.73%	15
16	0.116	49823	\$5,773	\$81,169	414.19%	16
17	0.119	49474	\$5,876	\$87,044	444.17%	17
18	0.122	49128	\$5,980	\$93,025	474.68%	18
19	0.125	48784	\$6,087	\$99,112	505.74%	19
20	0.128	48443	\$6,195	\$105,307	537.36%	20
21	0.131	48103	\$6,306	\$111,613	569.53%	21
22	0.134	47767	\$6,418	\$118,031	602.29%	22
23	0.138	47432	\$6,533	\$124,564	635.62%	23
24	0.141	47100	\$6,649	\$131,213	669.55%	24
25	0.145	46771	\$6,768	\$137,980	704.08%	25
26	0.148	46443	\$6,888	\$144,869	739.23%	26
27	0.152	46118	\$7,011	\$151,880	775.01%	27
28	0.156	45795	\$7,136	\$159,016	811.42%	28
29	0.160	45475	\$7,263	\$166,279	848.48%	29
30	0.164	45156	\$7,393	\$173,672	886.21%	30
		1,502,723				



Caution: Photovoltaic system performance predictions calculated by PVWatts® include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts® inputs. For example, PV modules with better performance are not differentiated within PVWatts® from lesser performing modules. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at <https://sam.nrel.gov>) that allow for more precise and complex modeling of PV systems.

The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

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The energy output range is based on analysis of 30 years of historical weather data for nearby , and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

RESULTS

35,027 kWh/Year*

System output may range from 34,144 to 36,817 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Value (\$)
January	1.81	1,389	136
February	2.81	1,905	186
March	4.37	3,125	306
April	5.46	3,623	355
May	6.10	4,005	392
June	6.50	3,995	391
July	7.18	4,336	424
August	6.43	3,947	386
September	5.33	3,323	325
October	3.61	2,466	241
November	2.37	1,663	163
December	1.69	1,251	122
Annual	4.47	35,028	\$ 3,427

Location and Station Identification

Requested Location	4541 S 3rd Rd Bozeman, MT 59715
Weather Data Source	Lat, Lon: 45.61, -111.06 1.4 mi
Latitude	45.61° N
Longitude	111.06° W

PV System Specifications (Commercial)

DC System Size	30 kW
Module Type	Standard
Array Type	Fixed (roof mount)
Array Tilt	20°
Array Azimuth	180°
System Losses	18%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Economics

Average Retail Electricity Rate	0.098 \$/kWh
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Performance Metrics

Capacity Factor	13.3%
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The energy output range is based on analysis of 30 years of historical weather data for nearby , and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

RESULTS

19,208 kWh/Year*

System output may range from 18,724 to 20,190 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Value (\$)
January	1.46	649	64
February	2.39	953	93
March	3.92	1,665	163
April	5.18	2,043	200
May	6.02	2,347	230
June	6.54	2,381	233
July	7.13	2,558	250
August	6.15	2,245	220
September	4.83	1,789	175
October	3.07	1,238	121
November	1.89	773	76
December	1.32	567	56
Annual	4.16	19,208	\$ 1,881

Location and Station Identification

Requested Location	4541 S 3rd Rd Bozeman, MT 59715
Weather Data Source	Lat, Lon: 45.61, -111.06 1.4 mi
Latitude	45.61° N
Longitude	111.06° W

PV System Specifications (Residential)

DC System Size	16.875 kW
Module Type	Standard
Array Type	Fixed (roof mount)
Array Tilt	7.5°
Array Azimuth	180°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Economics

Average Retail Electricity Rate	0.098 \$/kWh
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Performance Metrics

Capacity Factor	13.0%
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The right way to attach almost anything to metal roofs!

S-5![®]

The Right Way!

S-5-E Clamp

The S-5-E clamp is designed specially for double-folded standing seam roof profiles having the appropriate dimensioning.

Although a bit smaller and less expensive than the S-5-U, for these profiles, the S-5-E is just as strong.

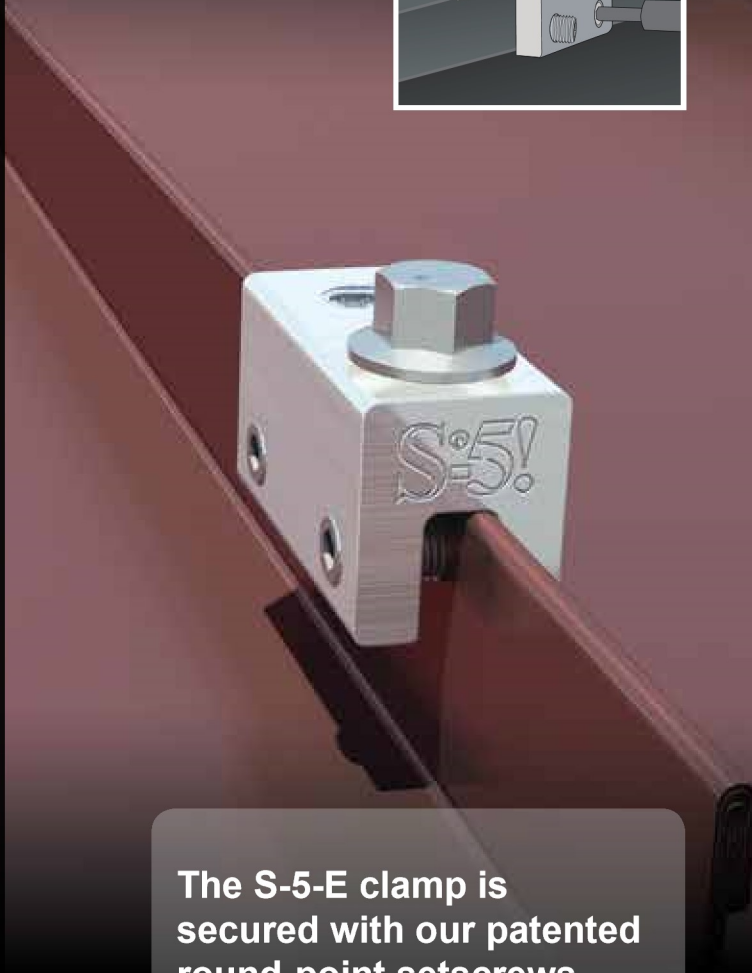
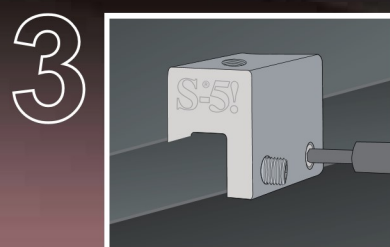
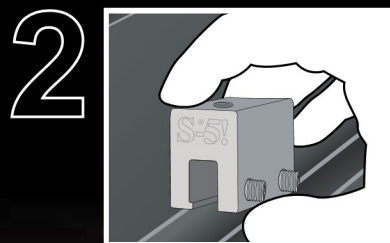
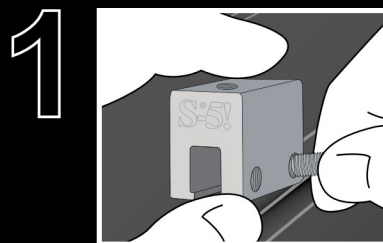
The S-5-E is perfect for use with S-5![®] ColorGard[®] snow retention systems and other heavy-duty applications.

Installation is as simple as placing the clamp on the seam and tightening the patented round-point setscrews to the specified tension. Then, affix ancillary items using the bolt provided. Go to www.S-5.com/tools for information and tools available for properly attaching and tensioning S-5! clamps.

S-5-E Mini Clamp

The S-5-E Mini is a bit shorter than the S-5-E and has one setscrew rather than two. The mini is the choice for attaching all kinds of rooftop accessories: signs, walkways, satellite dishes, antennas, rooftop lighting, lightning protection systems, solar arrays, exhaust stack bracing, conduit, condensate lines, mechanical equipment—just about anything!*

*S-5! mini clamps are not compatible with, and should not be used with S-5! SnoRail™/SnoFence™ or ColorGard[®] snow retention systems.



The S-5-E clamp is secured with our patented round-point setscrews without piercing the metal roof panel, thereby preserving the roof manufacturer's warranty!

S-5-E and S-5-E Mini



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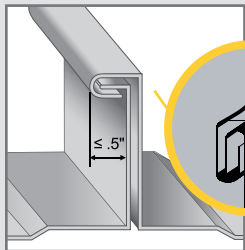


The strength of the S-5-E clamp is in its simple design. The patented setscrews will slightly dimple the metal seam material but will not puncture it—leaving roof warranties intact.

The **S-5-E and S-5-E Mini clamps** are each furnished with the hardware shown to the right. Each box also includes a bit tip for tightening setscrews using an electric screw gun. A structural aluminum attachment clamp, the S-5-E is compatible with most common metal roofing materials excluding copper. All included hardware is stainless steel. Please visit www.S-5.com for more information including CAD details, metallurgical compatibilities and specifications.

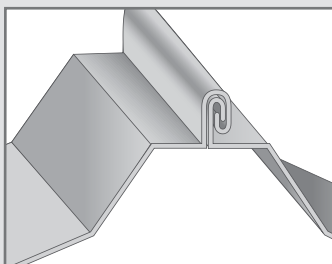
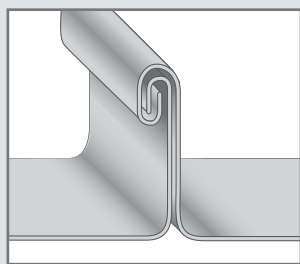
The S-5-E and S-5-E Mini clamps have been tested for load-to-failure results on a variety of double-folded standing seam roofs, from leading manufacturers of panels and panel-forming machines. The independent lab test reports found on our website at www.S-5.com prove that S-5!® holding strength is unmatched in the industry.

Example Profiles

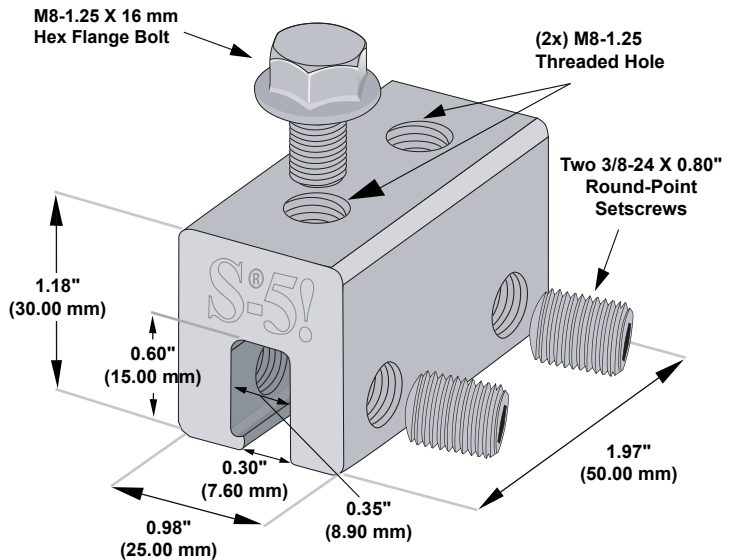


For horizontal seams under .5", crimp the seam to 180 degrees at desired clamp location.

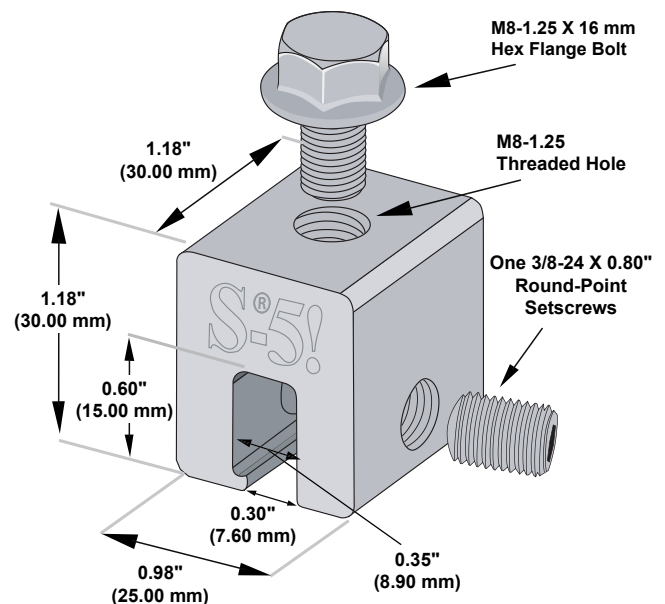
This illustration demonstrates crimping technique, NOT actual location of clamp.



S-5-E Clamp



S-5-E Mini Clamp



Please note: All measurements are rounded to the second decimal place.

S-5!® Warning! Please use this product responsibly!

Products are protected by multiple U.S. and foreign patents. Visit the website at www.S-5.com for complete information on patents and trademarks. For maximum holding strength, setscrews should be tensioned and re-tensioned as the seam material compresses. Clamp setscrew tension should be verified using a calibrated torque wrench between 160 and 180 inch pounds when used on 22ga steel, and between 130 and 150 inch pounds for all other metals and thinner gauges of steel. Consult the S-5! website at www.S-5.com for published data regarding holding strength.

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THE

TALLMAX^M plus⁺

FRAMED 72-CELL MODULE(1500V)

72 CELL

MONOCRYSTALLINE MODULE

340-375W

POWER OUTPUT RANGE

19.3%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

Comprehensive Products And System Certificates

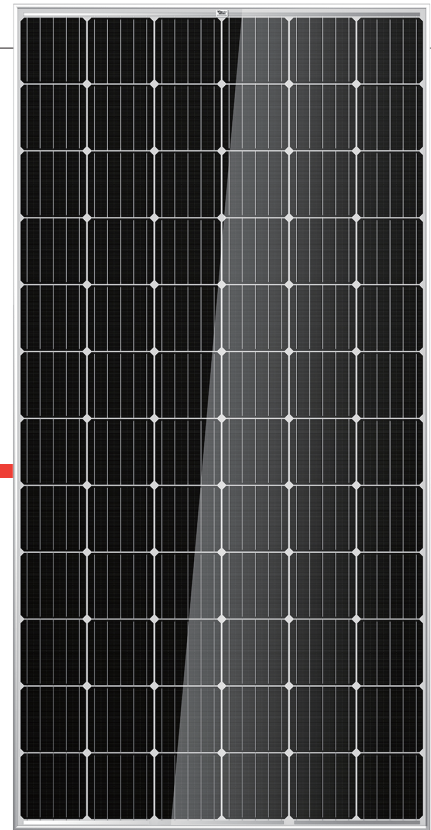
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ISO 9001: Quality Management System

ISO 14001: Environmental Management System

ISO14064: Greenhouse gases Emissions Verification

OHSAS 18001: Occupation Health and Safety Management System



Ideal for large scale installations

- Reduce BOS cost by connecting more modules in a string
- 1500V UL/1500V IEC certified



Maximize limited space with top-end efficiency

- Up to 193 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures



Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- 100% EL double inspection

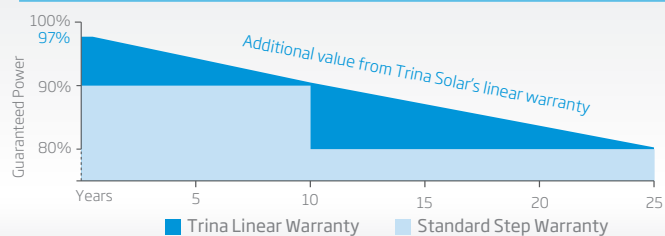


Certified to withstand the most challenging environmental conditions

- 2400 Pa negative load
- 5400 Pa positive load

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



Trina solar

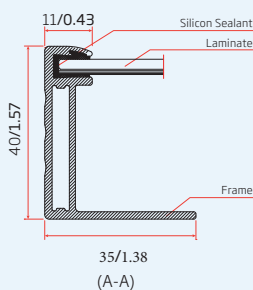
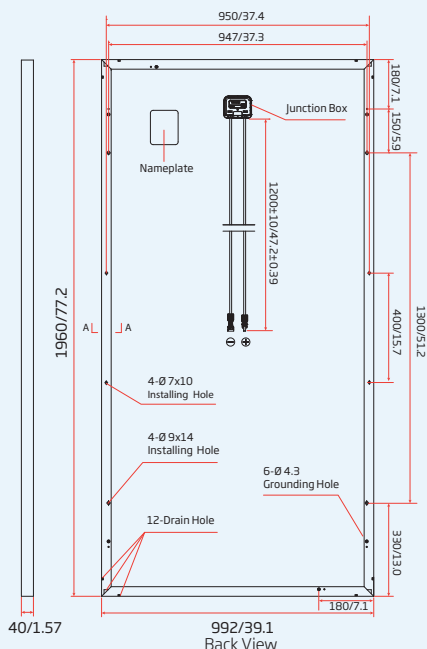
PRODUCTS

TSM-DE14A(II) STD MONO
TSM-DE14A(II) PERC MONO

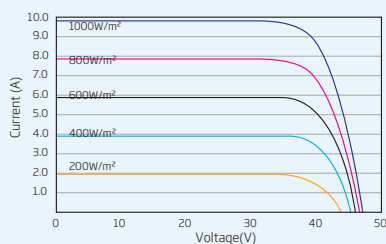
POWER RANGE

340-350W
355-375W

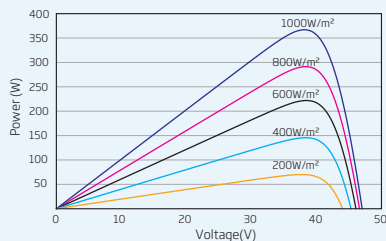
DIMENSIONS OF PV MODULE(mm/inches)



I-V CURVES OF PV MODULE(365W)



P-V CURVES OF PV MODULE(365W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	340	345	350	355	360	365	370	375
Power Output Tolerance- P_{MAX} (W)	0 ~ +5							
Maximum Power Voltage- V_{MPP} (V)	38.2	38.5	38.7	38.8	39.0	39.3	39.7	40.0
Maximum Power Current- I_{MPP} (A)	8.90	8.96	9.04	9.14	9.24	9.30	9.33	9.37
Open Circuit Voltage- V_{OC} (V)	46.2	46.7	47.0	47.4	47.7	48.0	48.3	48.5
Short Circuit Current- I_{SC} (A)	9.50	9.55	9.60	9.65	9.70	9.77	9.83	9.88
Module Efficiency η_m (%)	17.5	17.7	18.0	18.3	18.5	18.8	19.0	19.3

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: $\pm 3\%$.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	253	257	261	264	268	272	276	279
Maximum Power Voltage- V_{MPP} (V)	35.4	35.7	35.9	36.0	36.2	36.4	36.8	37.1
Maximum Power Current- I_{MPP} (A)	7.15	7.20	7.26	7.34	7.42	7.47	7.50	7.53
Open Circuit Voltage- V_{OC} (V)	42.9	43.4	43.7	44.1	44.3	44.6	44.9	45.1
Short Circuit Current- I_{SC} (A)	7.67	7.71	7.75	7.79	7.83	7.89	7.94	7.98

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1960 × 992 × 40 mm (77.2 × 39.1 × 1.57 inches)
Weight	22.5 kg (49.6 lb)
Glass	3.2 mm (0.13 inches) , High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), 1200 mm (47.2 inches)
Connector	Trina TS4
Fire Type	Type 1 or Type 2

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of P_{MAX}	- 0.39%/°C
Temperature Coefficient of V_{OC}	- 0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	15A (Power $\leq 350\text{W}$) 20A (Power $\geq 355\text{W}$)

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

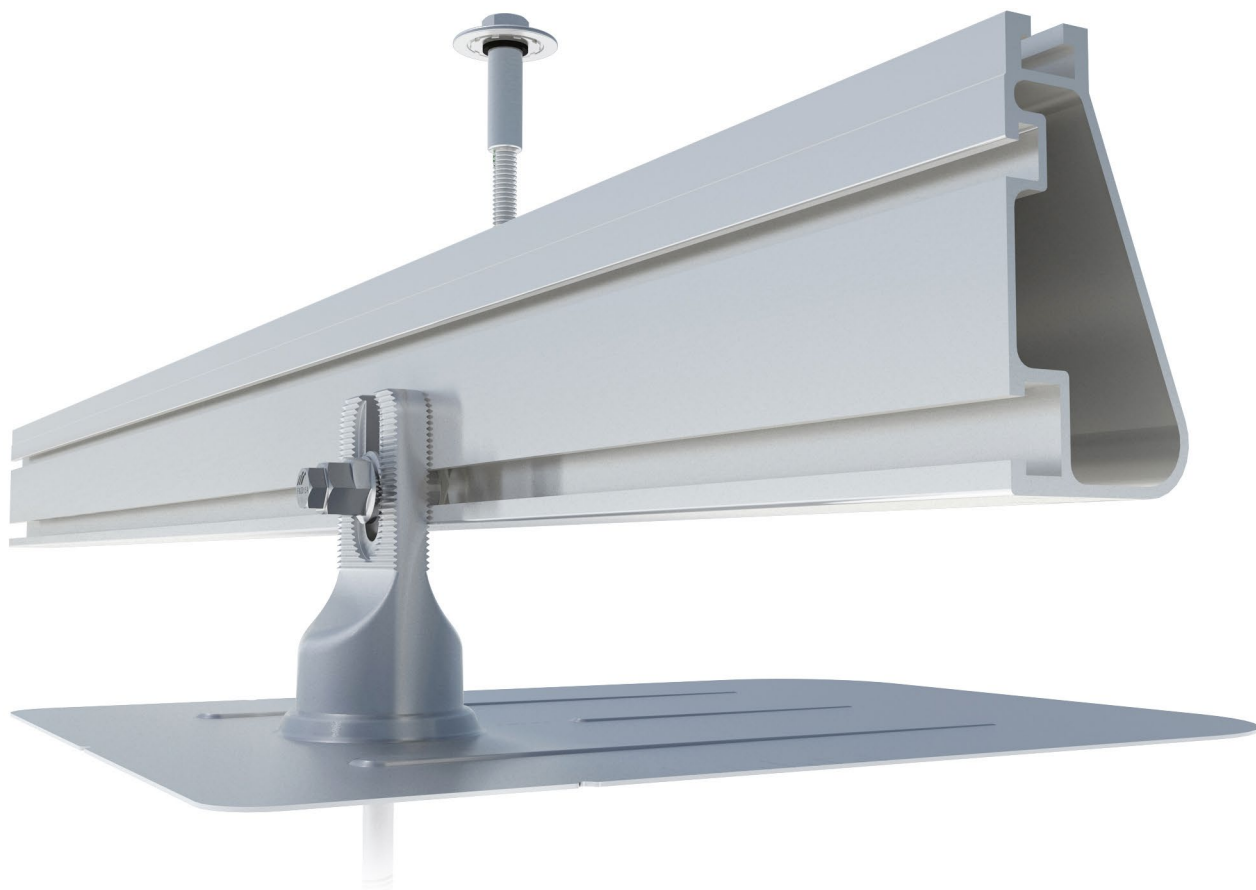
(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 27 pieces
Modules per 40' container: 648 pieces



Flush Mount System



Built for solar's toughest roofs.

IronRidge builds the strongest mounting system for pitched roofs in solar. Every component has been tested to the limit and proven in extreme environments.

Our rigorous approach has led to unique structural features, such as curved rails and reinforced flashings, and is also why our products are fully certified, code compliant and backed by a 20-year warranty.



Strength Tested

All components evaluated for superior structural performance.



PE Certified

Pre-stamped engineering letters available in most states.



Class A Fire Rating

Certified to maintain the fire resistance rating of the existing roof.



Design Assistant

Online software makes it simple to create, share, and price projects.



UL 2703 Listed System

Entire system and components meet newest effective UL 2703 standard.



20-Year Warranty

Twice the protection offered by competitors.

XR Rails ☺

XR10 Rail



A low-profile mounting rail for regions with light snow.

- 6' spanning capability
- Moderate load capability
- Clear & black anod. finish

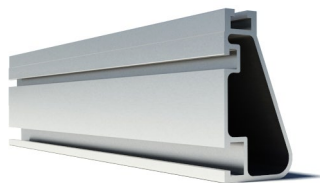
XR100 Rail



The ultimate residential solar mounting rail.

- 8' spanning capability
- Heavy load capability
- Clear & black anod. finish

XR1000 Rail



A heavyweight mounting rail for commercial projects.

- 12' spanning capability
- Extreme load capability
- Clear anodized finish

Bonded Splices



All rails use internal splices for seamless connections.

- Self-drilling screws
- Varying versions for rails
- Forms secure bonding

Clamps & Grounding ☺

UFOs



Universal Fastening Objects bond modules to rails.

- Fully assembled & lubed
- Single, universal size
- Clear & black finish

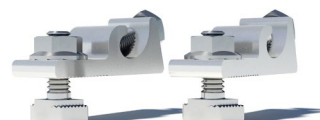
Stopper Sleeves



Snap onto the UFO to turn into a bonded end clamp.

- Bonds modules to rails
- 6 different sizes
- Clear & black anod. finish

Grounding Lugs



Connect arrays to equipment ground.

- Low profile
- Single tool installation
- Mounts in any direction

Microinverter Kits



Mount MIs or POs to XR Rails.

- Bonds devices to rails
- Kit comes assembled
- Listed to UL 2703

Attachments ☺

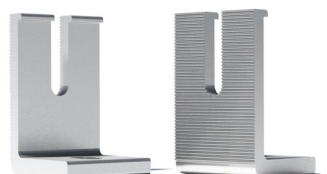
FlashFoot2



Flash and mount XR Rails with superior waterproofing.

- Twist-on Cap eases install
- Wind-driven rain tested
- Mill & black finish

Slotted L-Feet



Drop-in design for rapid rail attachment.

- Secure rail connections
- Slot for vertical adjusting
- Clear & black anod. finish

Bonding Hardware



Bond and attach XR Rails to certified attachments.

- T & Square Bolt options
- Nut uses 7/16" socket
- Assembled & lubricated

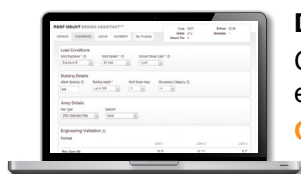
Flush Standoffs



Raise Flush Mount System to various heights.

- Works with vent flashing
- 4" and 7" lengths
- Ships assembled

Resources



Design Assistant

Go from rough layout to fully engineered system. For free.

Go to IronRidge.com/design



NABCEP Certified Training

Earn free continuing education credits, while learning more about our systems.

Go to IronRidge.com/training

SUNNY TRIPOWER CORE1

STP 50-40



STP 50-40



World's first free standing inverter

Up to 60 % faster installation for commercial PV systems

Cost-Effective

- Floor-mounted device easy to install
- No DC fuses required
- Integrated DC disconnect

Highly Integrated

- Integrated Wi-Fi access with any mobile device
- 12 direct string inputs reduce labor and material costs
- AC/DC overvoltage protection (optional)

Fastest Installation

- Fast grid connection due to easy inverter configuration and commissioning
- Completely accessible connection areas

Maximum Yields

- Up to 150% DC:AC ratio
- Six independent MPP trackers guarantee optimal energy production for every use, even in shading

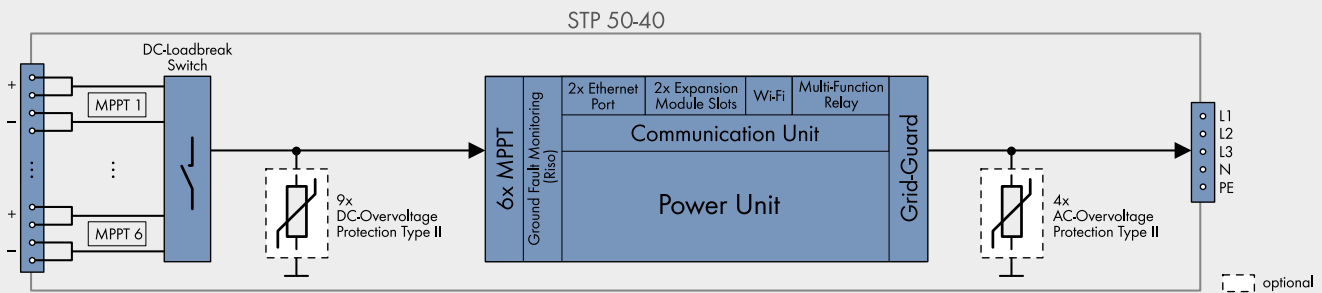
SUNNY TRIPOWER CORE1

Stands on its own

The Sunny Tripower CORE1 is the world's first free-standing string inverter for decentralized rooftop and ground-based PV systems as well as covered parking spaces. The CORE1 is the third generation in the successful Sunny Tripower product family and is revolutionizing the world of commercial inverters with its innovative design. SMA engineers developed an inverter that combines a unique design with an innovative installation method to significantly reduce installation time and provide all target groups with a maximum return on investment.

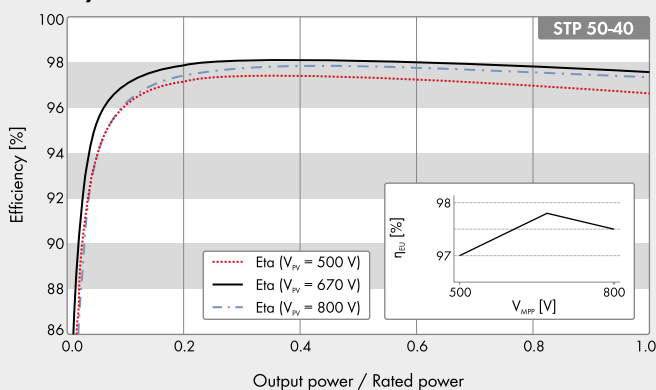
From delivery and installation to operation, the Sunny Tripower CORE1 generates widespread savings in logistics, labor, materials and services. Commercial PV installations are now quicker and easier to complete than ever before.

BLOCK DIAGRAM



Technical Data	Sunny Tripower CORE1	Technical Data	Sunny Tripower CORE1
Input (DC)		Efficiency	
Max. generator power	75000 Wp STC	Max. efficiency / European efficiency	98.1% / 97.8%
Max. input voltage	1000 V	General data	
MPP voltage range / rated input voltage	500 V to 800 V / 670 V	Dimensions (W/H/D)	621 mm / 733 mm / 569 mm (24.4 in / 28.8 in / 22.4 in)
Min. input voltage / start input voltage	150 V / 188 V	Weight	84 kg (185 lb)
Max. operating input current / per MPPT	120 A / 20 A	Operating temperature range	-25 °C to +60 °C (-13 °F to +140 °F)
Max. short circuit current per MPPT / per string input	30 A / 30 A	Noise emission (typical)	< 65 dB(A)
Number of independent MPPT inputs / strings per MPP input	6 / 2	Self-consumption (at night)	4.8 W
Output (AC)		Topology / Cooling concept	Transformerless / OptiCool
Rated power (at 230 V, 50 Hz)	50000 W	Degree of protection (as per IEC 60529)	IP65
Max. apparent AC power	50000 VA	Climatic category (according to IEC 60721-3-4)	4K4H
AC nominal voltage	220 V / 380 V 230 V / 400 V 240 V / 415 V	Max. permissible value for relative humidity (non-condensing)	100%
AC voltage range	202 V to 305 V	Features / functions / accessories	
AC grid frequency / range	50 Hz / 44 Hz to 55 Hz 60 Hz / 54 Hz to 65 Hz	DC connection / AC connection	SUNCLIX / screw terminal
Rated power frequency / rated grid voltage	50 Hz / 230 V	Mounting feet	•
Max. output current / Rated output current	72.5 A / 72.5 A	LED indicators (status / fault / communication)	•
Output phases / AC connection	3 / 3-(N)-PE	Interface: Ethernet / WLAN / RS485	• [2 ports] / • / ○
Power factor at rated power / Adjustable displacement power factor	1 / 0.0 leading to 0.0 lagging	Data interface: SMA Modbus / SunSpec Modbus / Speedwire, Webconnect	• / • / •
THD	< 3%	Multi-Function relay / Expansion Module Slots	• / • (2 ports)
Protective devices		OptiTrac Global Peak / Integrated Plant Control / Q on Demand 24/7	• / • / •
Input-side disconnection device	•	Off-grid capable / SMA Fuel Save Controller compatible	• / •
Ground fault monitoring / grid monitoring	• / •	Guarantee: 5/10/15/20 years	• / ○ / ○ / ○
DC reverse polarity protection / AC short-circuit current capability / galvanically isolated	• / • / -	Certificates and permits (more available on request)	ANRE 30, AS 4777, BDEW 2008, C10/11:2012, CE, CEI 0-16, CEI 0-21, EN 50438:2013*, G59/3, IEC 60068-2-x, IEC 61727, IEC 62109-1/2, IEC 62116, MEA 2016, NBR 16149, NEN EN 50438, NRS 097-2-1, PEA 2016, PPC, RD 1699/413, RD 661/2007, Res. n°7:2013, SI4777, TOR D4, TR 3.2.2, UTE C15-712-1, VDE 0126-1-1, VDE-ARN 4105, VFR 2014, P.O.12.3, NTCO-NTCyS, GC 8.9H, PR20, DEWA
All-pole sensitive residual-current monitoring unit	•	* Does not apply to all national appendices of EN 50438	
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I / AC: III; DC: II	• Standard features ○ Optional - Not available	
AC/DC surge arrester (Type II)	○ / ○	Data at nominal conditions - status: 07/2017	
		Type designation	STP 50-40

Efficiency Curve



Assessories

	SMA Sensor Module MD.SEN-40		SMA IO-Module MD.IO-40
	SMA RS485 Module MD.485-40		Antenna Extension Kit EXTANT-40
	AC Surge Protection Module Kit AC_SPD_Kit1-10		DC Surge Protection Module Kit DC_SPD_Kit4-10

Regular Agenda Item 3

Fire Chief's Report

Hyalite Rural Fire District

Fire Chief's Report

October 2019

Prepared by: Fire Chief Jason Revisky

1. The Hyalite Fire Department has responded to 395 calls in 2019 (through 10/10/2019).
2. Our current roster is at 48 members (effective 10/10/2019).
3. We currently have 8 resident firefighters living at the Sourdough Fire Station.
4. We still are staffing the Cottonwood Fire Station with our sleeper program Sunday – Thursday nights with a crew of 5 each night.
5. We still have 3 resident renters at the Rae house.
6. We continue to perform regular training every Wednesday night at 7pm.
7. We continue to perform our twice a month command training. Command trainings are the second and last Monday of each month at 7pm at Sourdough station.
8. The Fall 2019 firefighter recruit academy began on September 18, 2019 with 6 recruits.
9. We have experienced no firefighter injuries or significant mechanical breakdowns in the last month.
10. The Pancake Breakfast Report
11. Apparatus update.

Consent Agenda

Hyalite Rural Fire District

STATEMENT OF FINANCIAL POSITION

As of September 30, 2019

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	\$1,999,885.05
Accounts Receivable	\$11,354.57
Other Current Assets	\$31,896.48
Total Current Assets	\$2,043,136.10
Fixed Assets	
180000 Capital Assets	
181000 Land	361,201.00
182000 Buildings & Improvements	3,977,062.68
186000 Machinery & Equipment	2,519,397.98
186100 Accumulated Depreciation	(2,654,535.97)
Total 180000 Capital Assets	4,203,125.69
Total Fixed Assets	\$4,203,125.69
TOTAL ASSETS	\$6,246,261.79
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	\$27,862.60
Credit Cards	\$0.00
Other Current Liabilities	\$179,824.72
Total Current Liabilities	\$207,687.32
Long-Term Liabilities	\$1,904,326.56
Total Liabilities	\$2,112,013.88
Equity	
241000 Unrestricted Fund Balance	1,068,486.39
241001 General fixed asset acct group	4,203,125.69
241002 General LT debt account group	(2,084,326.46)
241100 Reserved Fund Balance	
241101 Restricted for Debt Service	112,075.35
241102 Reserved for Capital Reserve	0.00
241103 Capital improvements	175,388.00
241104 Capital replacement	0.00
241105 Apparatus replacement	720,617.19
241106 Building repair/replacement	4,473.32
Total 241104 Capital replacement	725,090.51
Total 241102 Reserved for Capital Reserve	900,478.51
Total 241100 Reserved Fund Balance	1,012,553.86
241200 Assigned to vol firefighters	5,226.11
Net Revenue	(70,817.68)
Total Equity	\$4,134,247.91
TOTAL LIABILITIES AND EQUITY	\$6,246,261.79

Hyalite Rural Fire District

BUDGET VS. ACTUALS: FY_2019_2020 - FY20 P&L

July - September, 2019 (25%)

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Revenue				
310000 Taxes	33,485.02	1,477,629.00	(1,444,143.98)	2.27 %
316000 Entitlement Share	37,861.86	36,000.00	1,861.86	105.17 %
320000 Firefighter fundraising event	(1,567.85)	2,500.00	(4,067.85)	(62.71 %)
360000 Miscellaneous Revenues	5,602.31	4,000.00	1,602.31	140.06 %
365000 Contributions and Donations	868.30	500.00	368.30	173.66 %
370000 Investment Earnings		20,000.00	(20,000.00)	
Total Revenue	\$76,249.64	\$1,540,629.00	\$ (1,464,379.36)	4.95 %
GROSS PROFIT	\$76,249.64	\$1,540,629.00	\$ (1,464,379.36)	4.95 %
Expenditures				
420000 Public Safety Expenses	5,511.89	40,000.00	(34,488.11)	13.78 %
420100 Personnel Services	62,472.63	365,000.00	(302,527.37)	17.12 %
420200 Supplies	7,248.62	22,000.00	(14,751.38)	32.95 %
420220 Meals/Incentives	1,892.19	11,000.00	(9,107.81)	17.20 %
420240 Fuel	4,940.23	36,000.00	(31,059.77)	13.72 %
420310 Election Costs		7,000.00	(7,000.00)	
420320 Professional Subscription/Dues	743.34	4,000.00	(3,256.66)	18.58 %
420330 Community Outreach/Education	1,622.05	10,000.00	(8,377.95)	16.22 %
420340 Utility Services	8,139.96	52,000.00	(43,860.04)	15.65 %
420350 Professional Services	5,242.50	40,000.00	(34,757.50)	13.11 %
420390 Firefighter Physicals	624.00	15,000.00	(14,376.00)	4.16 %
420400 Training/Travel - Trustees		3,000.00	(3,000.00)	
420420 Facilities	6,100.37	35,000.00	(28,899.63)	17.43 %
420500 Insurance	23,755.96	70,000.00	(46,244.04)	33.94 %
420930 Safety Equipment	5,716.45	70,000.00	(64,283.55)	8.17 %
420940 Apparatus	13,042.79	70,000.00	(56,957.21)	18.63 %
490100 Debt Services		241,975.00	(241,975.00)	
669100 Other Charges	14.34	500.00	(485.66)	2.87 %
Total Expenditures	\$147,067.32	\$1,092,475.00	\$ (945,407.68)	13.46 %
NET OPERATING REVENUE	\$ (70,817.68)	\$448,154.00	\$ (518,971.68)	(15.80 %)
NET REVENUE	\$ (70,817.68)	\$448,154.00	\$ (518,971.68)	(15.80 %)

Hyalite Rural Fire District

TRANSACTION LIST BY VENDOR

September 2019

DATE	TRANSACTION TYPE	NUM	POSTING	MEMO/DESCRIPTION	ACCOUNT	AMOUNT
Advanced Wastewater Specialists						
09/01/2019	Bill	15618	Yes	Hubdoc - 92698291 - INV15618	202100 Accounts Payable	878.75
09/03/2019	Bill	15594	Yes	Hubdoc - 91645645 - INV15594	202100 Accounts Payable	402.82
09/19/2019	Bill Payment (Check)	7802736	Yes		101000 Cash/Investments:General Fund	-402.82
Alex Richard						
09/19/2019	Bill Payment (Check)	7802729	Yes		101000 Cash/Investments:General Fund	-49.44
Amazon						
09/02/2019	Credit Card Expenditure		Yes	Envelope moisteners	210550 Costco Citi Card- Revisky 3990	12.98
09/03/2019	Credit Card Expenditure		Yes	letter openers, scanner,	210550 Costco Citi Card- Revisky 3990	515.75
Anderson ZurMuehlen						
09/26/2019	Bill	379795	Yes	Hubdoc - 92698283 - INV379795	202100 Accounts Payable	1,950.00
BALCO						
09/24/2019	Bill	179142	Yes	Hubdoc - 92698281 - INV179142	202100 Accounts Payable	68.00
Batteries Plus						
09/19/2019	Bill Payment (Check)	7802747	Yes		101000 Cash/Investments:General Fund	-18.00
Big Sky Fire Equipment						
09/24/2019	Bill	0389992	Yes	Hubdoc - 92698284 - INV0389992	202100 Accounts Payable	411.73
BlueCross BlueShield of Montana						
09/01/2019	Bill	Sept	Yes	September health insurance.	202100 Accounts Payable	4,712.70
09/19/2019	Bill Payment (Check)	7802749	Yes		101000 Cash/Investments:General Fund	-4,712.70
Bound Tree Medical						
09/19/2019	Bill Payment (Check)	7802739	Yes		101000 Cash/Investments:General Fund	-517.26
Bozeman Chronicle						
09/05/2019	Bill Payment (Check)	7802706	Yes	347411	101000 Cash/Investments:General Fund	-26.00
09/20/2019	Bill	1946983	Yes	Hubdoc - 92698290 - INV1946983	202100 Accounts Payable	26.00
Brian Nickolay.						
09/24/2019	Bill		Yes	Hubdoc - 92698289	202100 Accounts Payable	96.97
Century Link						
09/01/2019	Bill	4066024041528B/9.2019	Yes	Hubdoc - 91647191 - INV4066024041528B/9.2019	202100 Accounts Payable	122.23
09/04/2019	Bill	4065876270585B/9.2019	Yes	Hubdoc - 91647269 - INV4065876270585B/9.2019	202100 Accounts Payable	42.86

DATE	TRANSACTION TYPE	NUM	POSTING	MEMO/DESCRIPTION	ACCOUNT	AMOUNT
09/05/2019	Bill Payment (Check)	7802707	Yes	July/Aug.	101000 Cash/Investments:General Fund	-44.45
09/10/2019	Bill	4065874149951B/9.2019	Yes	Hubdoc - 92698292 - INV4065874149951B/9.2019	202100 Accounts Payable	46.58
09/19/2019	Bill Payment (Check)	7802741	Yes		101000 Cash/Investments:General Fund	-165.09
Charter Communications						
09/09/2019	Bill	0672244090919	Yes	Hubdoc - 91646223 - INV0672244090919	202100 Accounts Payable	280.27
09/19/2019	Bill Payment (Check)	7802744	Yes	8313200110672244	101000 Cash/Investments:General Fund	-280.27
Chris Eaton.						
09/21/2019	Bill		Yes	Hubdoc - 92698278	202100 Accounts Payable	164.00
Citi Card						
09/17/2019	Bill		Yes	Account number ending in 3990.	202100 Accounts Payable	854.92
09/17/2019	Bill		Yes	Account number ending in 7029.	202100 Accounts Payable	819.43
09/17/2019	Bill		Yes	Account number ending in 2172.	202100 Accounts Payable	2,316.69
09/17/2019	Credit Card Expenditure		Yes	fees	210550 Costco Citi Card- Revisky 3990	133.08
09/19/2019	Bill Payment (Check)	7802725	Yes		101000 Cash/Investments:General Fund	-3,991.04
09/26/2019	Bill Payment (Check)	7802751	Yes		101000 Cash/Investments:General Fund	-4,392.37
Collin Rose.						
09/01/2019	Bill		Yes	Hubdoc - 91644902	202100 Accounts Payable	104.91
09/19/2019	Bill Payment (Check)	7802735	Yes		101000 Cash/Investments:General Fund	-104.91
Conner Killeen.						
09/05/2019	Bill Payment (Check)	7802708	Yes		101000 Cash/Investments:General Fund	-325.73
Consolidated Electric						
09/06/2019	Credit Card Expenditure		Yes		210560 Costco Citi Card-Eaton 2172	39.95
Dan Lympus						
09/15/2019	Bill		Yes	Hubdoc - 91644831	202100 Accounts Payable	9.25
09/19/2019	Bill Payment (Check)	7802742	Yes		101000 Cash/Investments:General Fund	-9.25
Delta Dental						
09/16/2019	Bill	17272-51213/Oct	Yes	Hubdoc - 91646883 - INV17272- 51213/Oct	202100 Accounts Payable	175.28
09/19/2019	Bill Payment (Check)	7802743	Yes		101000 Cash/Investments:General Fund	-175.28
DirectTV						
09/23/2019	Bill	36695840199	Yes	Hubdoc - 92055196 - INV36695840199	202100 Accounts Payable	160.98
09/24/2019	Bill Payment (Check)	7802750	Yes	029404001	101000 Cash/Investments:General Fund	-160.98
Fire Suppression Systems						
09/05/2019	Bill Payment (Check)	7802709	Yes	Voided - Received invoices from both Fire Suppression Systems and Coppermine Fire Suppression. They are the same		0.00

DATE	TRANSACTION TYPE	NUM	POSTING	MEMO/DESCRIPTION	ACCOUNT	AMOUNT
vendor - combining into one.						
FURS						
09/10/2019	Check	ERIC	Yes		101000 Cash/Investments:General Fund	-5,196.12
General Distributing Co.						
09/19/2019	Bill Payment (Check)	7802748	Yes	56625	101000 Cash/Investments:General Fund	-65.10
Google						
09/01/2019	Credit Card Expenditure		Yes	G Suite Business	210550 Costco Citi Card- Revisky 3990	120.00
Grass Monkeys Lawn Care						
09/05/2019	Bill Payment (Check)	7802710	Yes	Mow, trim, yard clean	101000 Cash/Investments:General Fund	-890.00
09/22/2019	Bill	437300	Yes	Hubdoc - 92698286 - INV437300	202100 Accounts Payable	520.00
Ian Elliott.						
09/19/2019	Bill Payment (Check)	7802726	Yes		101000 Cash/Investments:General Fund	-35.88
J&H INC						
09/05/2019	Bill Payment (Check)	7802711	Yes	13753	101000 Cash/Investments:General Fund	-189.89
09/23/2019	Bill	568041	Yes	Hubdoc - 92698293 - INV568041	202100 Accounts Payable	432.93
JA Gear						
09/19/2019	Bill Payment (Check)	7802728	Yes		101000 Cash/Investments:General Fund	-100.00
Kamp Implement Co.						
09/19/2019	Bill Payment (Check)	7802730	Yes		101000 Cash/Investments:General Fund	-777.14
Kenyon Noble						
09/05/2019	Bill Payment (Check)	7802712	Yes	bed armor gallon kit (E-6, E-6-2, E-6-3 extrication board)	101000 Cash/Investments:General Fund	-128.49
09/25/2019	Bill	7302579/7338870	Yes	Hubdoc - 92851215 - INV7302579/7338870	202100 Accounts Payable	100.64
L.N. Curtis and Sons						
09/05/2019	Bill Payment (Check)	7802713	Yes	Qty 2 - task force tips - 6" NH male x 6" NPSH female long handle swivel short ball intake valve	101000 Cash/Investments:General Fund	-628.92
Montana Dept. of Revenue						
09/10/2019	Check	FIB e-Pay	Yes	6442692-002-WTH	101000 Cash/Investments:General Fund	-892.00
Montana Firemen's Association						
09/10/2019	Check	7802727	Yes		101000 Cash/Investments:General Fund	-207.35
Montana State Fund						
09/05/2019	Bill Payment (Check)	7802714	Yes	03-134600-0	101000 Cash/Investments:General Fund	-144.26

DATE	TRANSACTION TYPE	NUM	POSTING	MEMO/DESCRIPTION	ACCOUNT	AMOUNT
Montana State University						
09/05/2019	Bill Payment (Check)	7802715	Yes	FF1 certifications - Dunn Fout and Marsh	101000	-190.00
					Cash/Investments:General Fund	
09/19/2019	Bill Payment (Check)	7802731	Yes		101000	-95.00
					Cash/Investments:General Fund	
Municipal Emergency Services						
09/26/2019	Bill	IN1381827	Yes	Hubdoc - 92851212 - INVIN1381827	202100 Accounts Payable	481.56
Music Villa						
09/05/2019	Bill Payment (Check)	7802716	Yes	Proformance HH with Switch, studio rack, 6 channel rack mixer, cables, flange mount, desk stand adj hght	101000	-1,218.00
					Cash/Investments:General Fund	
NAPA Auto Parts						
09/05/2019	Bill Payment (Check)	7802717	Yes	VOID: 12342	101000	0.00
					Cash/Investments:General Fund	
09/18/2019	Bill Payment (Check)	1	Yes			0.00
09/19/2019	Bill Payment (Check)	7802740	Yes	12342	101000	-247.65
					Cash/Investments:General Fund	
Nathan Barnes						
09/03/2019	Bill		Yes	Hubdoc - 91645096	202100 Accounts Payable	26.96
09/05/2019	Bill Payment (Check)	7802718	Yes	Tuesday station night at Qdoba.	101000	-32.95
					Cash/Investments:General Fund	
09/19/2019	Bill Payment (Check)	7802737	Yes		101000	-26.96
					Cash/Investments:General Fund	
09/24/2019	Bill		Yes	Hubdoc - 92698288	202100 Accounts Payable	74.31
Northwestern Energy						
09/11/2019	Bill	0180737-9/9.2019	Yes	Hubdoc - 91646615 - INV0180737-9/9.2019	202100 Accounts Payable	139.64
09/11/2019	Bill	3252724-4/9.2019	Yes	Hubdoc - 91646564 - INV3252724-4/9.2019	202100 Accounts Payable	78.32
09/11/2019	Bill	1196979-7/9.2019	Yes	Hubdoc - 91646513 - INV1196979-7/9.2019	202100 Accounts Payable	359.85
09/11/2019	Bill	3091809-8/9.2019	Yes	Hubdoc - 91646455 - INV3091809-8/9.2019	202100 Accounts Payable	541.72
09/12/2019	Bill	0180089-5/9.2019	Yes	Hubdoc - 91646402 - INV0180089-5/9.2019	202100 Accounts Payable	49.85
09/19/2019	Bill Payment (Check)	7802746	Yes		101000	-1,169.38
					Cash/Investments:General Fund	
Owenhouse-Ace Hardware						
09/05/2019	Bill Payment (Check)	7802719	Yes		101000	-408.45
					Cash/Investments:General Fund	
09/05/2019	Bill	490170/2	Yes		202100 Accounts Payable	40.48
09/07/2019	Bill	490302/2	Yes		202100 Accounts Payable	7.18
09/12/2019	Bill	490679/2	Yes		202100 Accounts Payable	55.89
09/17/2019	Bill	490972/2	Yes		202100 Accounts Payable	20.97
09/18/2019	Bill	491096/2	Yes		202100 Accounts Payable	68.25
09/23/2019	Bill	491379/2	Yes		202100 Accounts Payable	61.08
09/26/2019	Bill	491637/2	Yes		202100 Accounts Payable	9.98
People Facts						
09/01/2019	Bill	2019081234	Yes	Hubdoc - 91646845 - INV2019081234	202100 Accounts Payable	16.67
09/19/2019	Bill Payment (Check)	7802745	Yes		101000	-16.67
					Cash/Investments:General Fund	

DATE	TRANSACTION TYPE	NUM	POSTING	MEMO/DESCRIPTION	ACCOUNT	AMOUNT
PERS						
09/10/2019	Check	ERIC	Yes		101000 Cash/Investments:General Fund	-773.82
RAE Water						
09/05/2019	Bill Payment (Check)	7802720	Yes		101000 Cash/Investments:General Fund	-124.99
09/25/2019	Bill	FIRE-00	Yes	5400 Gooch Hill Rd.	202100 Accounts Payable	88.25
09/25/2019	Bill	GH 5370-00	Yes	5370 Gooch Hill Rd.	202100 Accounts Payable	44.54
Republic Services						
09/05/2019	Bill Payment (Check)	7802721	Yes		101000 Cash/Investments:General Fund	-172.92
09/28/2019	Bill	3-0886-0024410	Yes	4541 S 3rd Rd. October pick-up service.	202100 Accounts Payable	72.76
09/28/2019	Bill	3-0886-0051441	Yes	10200 Cottonwood Road. October pick-up and rental.	202100 Accounts Payable	270.83
Rosie Barndt, CPA, PC						
09/19/2019	Bill Payment (Check)	7802732	Yes		101000 Cash/Investments:General Fund	-1,612.50
RW & JW Enterprises						
09/20/2019	Bill	1142	Yes	Hubdoc - 92698300 - INV1142	202100 Accounts Payable	3,150.00
Sammy Saunders						
09/04/2019	Bill	108	Yes	Hubdoc - 91647136 - INV108	202100 Accounts Payable	1,210.36
09/16/2019	Bill	108.2	Yes	Hubdoc - 91646978 - INV108.2	202100 Accounts Payable	355.39
09/19/2019	Bill Payment (Check)	7802738	Yes		101000 Cash/Investments:General Fund	-1,565.75
Sheryl Wyman.						
09/20/2019	Bill		Yes	Hubdoc - 92698277	202100 Accounts Payable	49.85
Sign Solutions						
09/19/2019	Bill	SS57129	Yes	Hubdoc - 92698296 - INVSS57129	202100 Accounts Payable	327.25
Story Distributing						
09/19/2019	Bill Payment (Check)	7802733	Yes	184000	101000 Cash/Investments:General Fund	-3,540.36
Town and Country						
09/19/2019	Bill Payment (Check)	7802734	Yes		101000 Cash/Investments:General Fund	-516.92
Town Pump						
09/07/2019	Credit Card Expenditure		Yes	WT-6	210100 Conoco	26.08
09/07/2019	Credit Card Expenditure		Yes	C-6	210100 Conoco	27.81
09/07/2019	Credit Card Expenditure		Yes	E-6	210100 Conoco	33.75
09/07/2019	Credit Card Expenditure		Yes	R-6	210100 Conoco	16.45
09/09/2019	Credit Card Expenditure		Yes	C-6-2	210100 Conoco	46.20
09/12/2019	Credit Card Expenditure		Yes	C-6-2	210100 Conoco	15.27
09/14/2019	Credit Card Expenditure		Yes	R-6	210100 Conoco	15.60
09/15/2019	Credit Card Expenditure		Yes	E-6	210100 Conoco	20.25
09/18/2019	Credit Card Expenditure		Yes	C-6-2	210100 Conoco	25.00
09/22/2019	Credit Card Expenditure		Yes	E-6-2	210100 Conoco	32.62
09/22/2019	Credit Card Expenditure		Yes	R-6	210100 Conoco	33.80

United States Treasury

DATE	TRANSACTION TYPE	NUM	POSTING	MEMO/DESCRIPTION	ACCOUNT	AMOUNT
09/10/2019	Check	FIB e-Pay	Yes	81-2360037	101000 Cash/Investments:General Fund	-1,863.50
Verizon						
09/05/2019	Bill Payment (Check)	7802722	Yes	July/August	101000 Cash/Investments:General Fund	-439.54
09/23/2019	Bill	9838746566	Yes	Hubdoc - 92851214 - INV9838746566	202100 Accounts Payable	244.59
Western States Fire Protection Co						
09/23/2019	Bill	WSF234881	Yes	Hubdoc - 92698305 - INVWSF234881	202100 Accounts Payable	25,500.00
Wex Bank						
09/05/2019	Bill Payment (Check)	7802723	Yes	0203-00-109722-9	101000 Cash/Investments:General Fund	-608.96
09/23/2019	Bill	0203-00-109722-9	Yes	0203-00-109722-9	202100 Accounts Payable	546.05
09/23/2019	Credit Card Expenditure		Yes	Other Adjustments	210100 Conoco	75.00

Hyalite Rural Fire District
Check Detail
September 2019

	Date	Transaction Type	Num	Name	Memo/Description	Clr	Amount
100000 Cash/Investments							
101000 General Fund							
	09/05/2019	Bill Payment (Check)	7802706	Bozeman Chronicle	347411		-26.00
	09/05/2019	Bill Payment (Check)	7802707	Century Link	July/Aug.		-44.45
	09/05/2019	Bill Payment (Check)	7802708	Conner Killeen.			-325.73
	09/05/2019	Bill Payment (Check)	7802709	Fire Suppression	VOIDED		0.00
	09/05/2019	Bill Payment (Check)	7802710	Grass Monkeys Lawn Care	Mow, trim, yard clean		-890.00
	09/05/2019	Bill Payment (Check)	7802711	J&H INC	13753		-189.89
	09/05/2019	Bill Payment (Check)	7802712	Kenyon Noble	bed armor gallon kit (E-6, E-6-2, E-6-3 extrication board)		-128.49
	09/05/2019	Bill Payment (Check)	7802713	L.N. Curtis and Sons	Qty 2 - task force tips - 6" NH male x 6" NPSH female long handle swivel short ball intake valve		-628.92
	09/05/2019	Bill Payment (Check)	7802714	Montana State Fund	03-134600-0		-144.26
	09/05/2019	Bill Payment (Check)	7802715	Montana State University	FF1 certifications - Dunn Fout and Marsh		-190.00
	09/05/2019	Bill Payment (Check)	7802716	Music Villa	Proformance HH with Switch, studio rack, 6 channel rack mixer, cables, flange mount, desk stand adj hght		-1,218.00
	09/05/2019	Bill Payment (Check)	7802717	NAPA	VOIDED		0.00
	09/05/2019	Bill Payment (Check)	7802718	Nathan Barnes	Tuesday station night at Qdoba.		-32.95
	09/05/2019	Bill Payment (Check)	7802719	Owenhouse-Ace Hardware			-408.45
	09/05/2019	Bill Payment (Check)	7802720	RAE Water			-124.99
	09/05/2019	Bill Payment (Check)	7802721	Republic Services			-172.92
	09/05/2019	Bill Payment (Check)	7802722	Verizon	July/August		-439.54
	09/05/2019	Bill Payment (Check)	7802723	Wex Bank	0203-00-109722-9		-608.96
	09/19/2019	Bill Payment (Check)	7802724	Montana Party Rentals			-1,340.60
	09/19/2019	Bill Payment (Check)	7802725	Citi Card			-3,991.04
	09/19/2019	Bill Payment (Check)	7802726	Ian Elliott.			-35.88
	09/10/2019	Check	7802727	Montana Firemen's Association			-207.35
	09/19/2019	Bill Payment (Check)	7802728	JA Gear			-100.00
	09/19/2019	Bill Payment (Check)	7802729	Alex Richard			-49.44
	09/19/2019	Bill Payment (Check)	7802730	Kamp Implement Co.			-777.14
	09/19/2019	Bill Payment (Check)	7802731	Montana State University			-95.00
	09/19/2019	Bill Payment (Check)	7802732	Rosie Barndt, CPA, PC			-1,612.50
	09/19/2019	Bill Payment (Check)	7802733	Story Distributing	184000		-3,540.36
	09/19/2019	Bill Payment (Check)	7802734	Town and Country			-516.92
	09/19/2019	Bill Payment (Check)	7802735	Collin Rose.			-104.91
	09/19/2019	Bill Payment (Check)	7802736	Advanced Wastewater Specialists			-402.82
	09/19/2019	Bill Payment (Check)	7802737	Nathan Barnes			-26.96
	09/19/2019	Bill Payment (Check)	7802738	Sammy Saunders			-1,565.75
	09/19/2019	Bill Payment (Check)	7802739	Bound Tree Medical			-517.26
	09/19/2019	Bill Payment (Check)	7802740	NAPA Auto Parts	12342		-247.65
	09/19/2019	Bill Payment (Check)	7802741	Century Link			-165.09
	09/19/2019	Bill Payment (Check)	7802742	Dan Lympus			-9.25
	09/19/2019	Bill Payment (Check)	7802743	Delta Dental			-175.28
	09/19/2019	Bill Payment (Check)	7802744	Charter Communications	8313200110672244		-280.27
	09/19/2019	Bill Payment (Check)	7802745	People Facts			-16.67
	09/19/2019	Bill Payment (Check)	7802746	Northwestern Energy			-1,169.38
	09/19/2019	Bill Payment (Check)	7802747	Batteries Plus			-18.00
	09/19/2019	Bill Payment (Check)	7802748	General Distributing Co.	56625		-65.10
	09/19/2019	Bill Payment (Check)	7802749	BlueCross BlueShield of Montana			-4,712.70
	09/24/2019	Bill Payment (Check)	7802750	DirectTV	29404001		-160.98
	09/26/2019	Bill Payment (Check)	7802751	Citi Card			-4,392.37

**HYALITE RURAL FIRE DISTRICT
BOARD OF TRUSTEES ANNUAL PUBLIC MEETING
SYNOPSIS**

DATE: SEPTEMBER 24, 2019 TIME: 7:00 p.m.

LOCATION: Sourdough Fire Station, 4541 S. 3rd Rd., Bozeman, MT

In compliance with [MCA 2017 2-3-212](#) and the Hyalite Rural Fire District Bylaws, the minutes of HRFD Board of Trustees open public meetings are comprised of an audio recording and a written synopsis. The audio recording is designated as the official record of a meeting. The written synopsis serves to assist the public in accessing portions of the audio recording and is a good faith attempt to provide the public with another method to be informed about the actions of the Board. The minutes are available to the public at www.hyalitefire.org/board-meeting-minutes/ or at the Hyalite Rural Fire District Administrative Offices, 4541 S. 3rd Rd., Bozeman, MT, during its standard business hours.

TRUSTEES IN ATTENDANCE:

Justin Miller
Nick Shrauger
Walt Zidack
Jason Jarrett

STAFF IN ATTENDANCE:

Jason Revisky, Fire Chief
Brian Nickolay, Assistant Fire Chief
Sheryl Wyman, Administrative Assistant

PUBLIC IN ATTENDANCE:

Bob Ogren
Pat Wilson
Steve White
Alan Harper

0:00:00	CALL TO ORDER OF HYALITE RURAL FIRE DISTRICT Vice Chair Miller called the meeting to order and reminded the public that the meeting was being recorded.
0:00:20	HYALITE CONSENT AGENDA Vice Chair Miller asked if there were any requests to remove items from the Consent Agenda. There were no such requests. He asked for motion to approve the Consent Agenda. Motion: Trustee Jarrett made motion to approve consent agenda as presented. Second: Trustee Zidack seconded the motion. Vote: Approved <i>[See September 24, 2019 Board Packet for Consent Agenda items approved.]</i>

	REGULAR AGENDA
0:00:43	Final Review and Approval – Governance Policy Vice Chair Miller is reviewed for changes made and finalized Vice Chair Miller asked for public comment. There was none. He asked for motion to approve the Governance Policy. Motion: Trustee Jarrett made motion to approve Governance policy. Second: Trustee Zidack seconded the motion. Vote: Approved <i>[See Attachment A for Governance Policy presented]</i>
0:01:24	Update – Sound System in Conference Room Trustee Shrauger addresses board. Sound system installed. Set up for 12 channels but using 11. Permanent microphone will be at the podium. System will allow for recording. Working on making set up and tear down easy. Trustee Shrauger thanked for all his work on this project.
0:03:46	Discussion — MPERA Audit Administrative Assistant Wyman reported that a representative from MPERA came to the station and looked at employee records. MPERA concluded the Hyalite Rural Fire District is in compliance with the State of Montana’s statutes and administrative rules for employer reporting to MPERA. No action necessary.
0:04:33	Discussion — Audit 2019 Trustee Zidack reported that the 2019 Audit has begun with the firm of Tangaro & Company who performed the audit in 2018 and has a three year contract. October 8, 2019 will be field work at the station. No action necessary.
0:08:13	Discussion and Decision – Reader Board Signs No Update
0:08:25	Discussion and Decision —Solar Grants Fire Chief Revisky met with a representative (Chelsea Pardo of Bozeman Green Build) and toured buildings. An engineer will be coming to the station to further evaluate the possibility of installing solar panels. Trustee Shrauger adds that a sign-up sheet will be available during the pancake breakfast to garner the community’s support for this project.

	Action Items: <ul style="list-style-type: none"> Board will be seeking public input on the solar project by presenting information and a petition at a Board booth at the Pancake breakfast.
0:13:20	Discussion — Updated Signage for HFRD Buildings No update. Action Items: <ul style="list-style-type: none"> Chief Revisky will go forward with this project and report back at the next meeting.
0:13:37	Discussion – Preliminary Planning for new Rae Fire Station Public Comment: <ul style="list-style-type: none"> Guest Steve White asks questions and requests more information on what the plan may be for the Rae Station <ul style="list-style-type: none"> Response from Trustees Jarrett, Zidack and Chief Revisky responds that no plan is in place. The board is looking to understand and determine how the Hyalite Rural Fire District continues to provide service for this area. Guest White also informs the board about pasture north of the Rae House. <ul style="list-style-type: none"> Discussion held regarding zoning. Guest Pat Wilson adds comments on any increase in taxes to build another fire station. Action Items: <ul style="list-style-type: none"> Chief Revisky will continue to gather service call and growth data and provide a needs assessment. Agenda item will be taken off future agendas until more growth information and data gathering has been done.
0:45:35	Fire Chief's Report Chief Revisky highlighted: <ul style="list-style-type: none"> Apparatus Updates <ul style="list-style-type: none"> Rescue 6 – Went back for warranty work and alignment now being corrected. SCVAs need to be replaced. Twins – Both at end of life (almost 20 years old) <ul style="list-style-type: none"> E-6-3 – Tank Failure E-6-2 – Did not pass pump test and will need pump rebuild. U-6 – Will need to be replaced soon. 20+yrs old <p><i>[See Attachment B for Fire Chief's Report.]</i></p>
0:55:05	Trustees' Activities <ul style="list-style-type: none"> Trustee Zidack will be working on Audit with a meeting October 8, 2019. Trustees will be manning a table at the Pancake Breakfast October 5, 2019 to provide information and obtain signatures for the solar grant project.
0:56:10	ADJOURNMENT



Hyalite Rural Fire District

Document Approval Form

Document Name:	Governance Policy
Document Type:	Governance
Document Number:	2016-951
Version Number:	3.0
Date Approved:	9/24/2019

- ☐ Approved by motion of the Hyalite Rural Fire District Board of Trustees, as reflected in the Board Meeting minutes of _____.

Vice _____
Chair Signature

~~Eugene M. Geddes, III~~ Justin Miller
Printed Name

OR

- ☐ Approved by the Hyalite Rural Fire District Fire Chief.

Fire Chief Signature

Jason Revisky
Printed Name

DOCUMENT INFORMATION

Document Type:	Governance
Document Number:	2016-951

VERSION CONTROL

Version	Approved By	Approved Date	Summary of Changes
1.0	Board of Trustees	July, 2016	<ul style="list-style-type: none"> Original, document number unknown.
2.0		No approval	<ul style="list-style-type: none"> Document number assigned. Standard formatting applied.
3.0	Board of Trustees	July, 2019	<ul style="list-style-type: none"> Policy subcommittee revisions.

MISSION STATEMENT

The Board of Trustees of the Hyalite Rural Fire District (HRFD) exists to exercise financial oversight, provide policy leadership, and create a culture of trust and accountability among district taxpayers and the staff and volunteers who provide emergency services.

GOALS

- Continue to engage the public, leading to better understanding of and support for the HRFD.
- Align community expectations with the HRFD budget.
- Continue to plan for and support the district's capital replacement funds.
- Remain well informed of growth patterns in the district.
- Maintain positive and productive relationships with other emergency service providers/agencies within our community.

BOARD PROCESS

The HRFD Board approaches its task with a style that emphasizes outward vision rather than internal preoccupation, encouragement of diversity in viewpoints, strategic leadership more than administrative detail, clear distinction of Board and staff roles, collective rather than individual decisions, and proactivity rather than reactivity. More specifically, the Board will:

- Operate in all ways mindful of its public trusteeship obligation to the residents of the HRFD.
- Represents the district tax payers. The Fire Chief is the CEO responsible for the department's operations. The Board balances the needs of the department with the expectations and desires of district residents.
- The Board collaborates with the Fire Chief to establish Broad strategy and objectives then establishes policy as necessary to be implemented by the Fire Chief. The Board monitors and evaluates the Fire Chiefs implantation of strategy and objectives and works to remove barriers to success.
- Delegate all Board authority to staff through the Fire Chief. Accountability of the staff is the responsibility of the Fire Chief.
- the Board shall not undermine the authority of the Fire Chief through private conversations with staff and/or members.
- Speak with one voice in personnel dealings with the Fire Chief. No individual Board member has authority over the Fire Chief.
- Make an annual evaluation of the Fire Chief during the month of January. The evaluation of the Fire Chief is based solely on performance in making progress towards accomplishing departmental goals as established by the Fire Chief.

AUTHORITY FOR POWERS AND DUTIES OF TRUSTEES

7-33-2105. Powers and duties of trustees. (1) The trustees:

- (a) shall prepare and adopt suitable bylaws;
- (b) have the authority to provide adequate and standard firefighting and emergency response apparatus, equipment, personnel, housing, and facilities, including real property and emergency medical services and equipment, for the protection of the district;
- (c) may appoint and form fire companies that have the same duties, exemptions, and privileges as other fire companies for retirement purposes only;
- (d) shall prepare annual budgets and request special levies for the budgets. The budget laws relating to county budgets must, as far as applicable, apply to fire districts.

(e) may enter into contracts as provided in [7-33-2107](#); and

(f) may pledge income to secure financing of the district as provided in [7-33-2109](#).

(2) All money received by the trustees must be deposited in the county treasurer's office and credited to the fire district.

Hyalite Rural Fire District

Fire Chief's Report

September 2019

Prepared by: Fire Chief Jason Revisky

1. The Hyalite Fire Department has responded to 382 calls in 2019 (through 9/18/2019).
2. Our current roster is at 43 members (effective 9/18/2019).
3. We currently have 8 resident firefighters living at the Sourdough Fire Station.
4. We still are staffing the Cottonwood Fire Station with our sleeper program Sunday – Thursday nights with a crew of 5 each night.
5. We still have 3 resident renters at the Rae house.
6. We continue to perform regular training every Wednesday night at 7pm.
7. We continue to perform our twice a month command training. Command trainings are the second and last Monday of each month at 7pm at Sourdough station.
8. The Fall 2019 firefighter recruit academy began on September 18, 2019 with 6 recruits.
9. We have experienced no firefighter injuries or significant mechanical breakdowns in the last month.
10. The Pancake Breakfast is set for October 5 at Sourdough Station, 7-11am
11. All of our apparatus are in service at this time.

Consent Agenda End