



City of Ketchum
City Hall

September 8, 2020

Mayor Bradshaw and City Councilors
City of Ketchum
Ketchum, ID 83340

Mayor Bradshaw and City Councilors:

**Recommendation to approve Purchase Order 20515
For A New Boiler**

Recommendation and Summary

Staff is seeking council direction on the replacement of the boiler in Building #3 at Forest Service Park, which is currently occupied by The Community Library for museum exhibitions. The Council may adopt either of the following motions:

A: "I move to direct staff to pursue installation of an electrically powered boiler and approve Purchase Order 20515 in an amount not to exceed \$9,960 and authorize the Mayor to sign the Purchase Order."

or

B: "I move to direct staff to pursue installation of a natural gas-powered boiler and approve Purchase Order 20515 in an amount not to exceed \$4,780 and authorize the Mayor to sign the Purchase Order."

The reasons for the recommendation are as follows:

- The existing natural gas boiler in Building #3 is over 25 years old and has been out of service since April.
- Due to the age of the boiler and several unsuccessful attempts to repair the equipment, it needs to be replaced
- The Ketchum Sustainability Action Plan 2020 includes a long-term energy target of decarbonizing all city facilities by 2030.

Introduction and History

The Forest Service Park building has historically obtained its heat and hot water from a natural gas-powered boiler. The boiler is over 25 years old and has met the end of its useful life. Given the City's Ketchum Sustainability Action Plan 2020 long-term energy target of de-carbonizing all city facilities by 2030, and the anticipated life span of the boiler, staff is seeking Council direction on whether to replace the current boiler with an electric- or natural gas-powered boiler.

Analysis

The City of Ketchum has obtained quotes for both electric- and natural gas-powered boilers. An electric boiler, and related fittings, has been quoted at \$9,960, which includes electrical connections and upgrades to accommodate the new electrical load. The City has also received a quote for a high-efficiency natural gas boiler for approximately \$4,780.

The City leases three buildings at Forest Service Park to The Community Library. Over the past few years, heating has been inconsistent in the building due to failures of the old boiler system. The City provided portable electric heaters to the tenants while awaiting repairs.

Sustainability Impact

The electric boiler would align with the city's adopted long-term energy target of de-carbonizing all city facilities by 2030.

Financial Impact

The capital of either system would be funded by the General Fund, Building Maintenance and Repairs line item.

Attachments

- Lowest gas and electric boiler bids

ESTIMATE

Reference # 4-101995

Thank you for the opportunity to provide you with an estimate.

Customer:	Sun Valley Museum of History
	180 E 1st St
	Ketchum, ID 83340
	(208) 481-0577
	ggager@ketchumidaho.org , lenourato@ketchumidaho.org
	9/1/2020

ATTN:	
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Scope of Work:	Replace 75 gallon water heater with new Thermolec electric boiler. *Note* Will require new 125 AMP service to boiler, not provided by Evans Plumbing.
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<u>Item</u>	<u>Description</u>				<u>Amount</u>
Labor	<i>Labor Type</i>	<i>Hours</i>	<i>Rate</i>		
	Journeyman	24	\$110.00		\$2,640.00
	Apprentice	24	\$80.00		\$1,920.00
	Labor Subtotal				\$4,560.00
Materials	Thermolec B-23 Electric Boiler				\$3,720.00
	Misc Material				\$1,595.00
		Material Subtotal			
Equipment/other	Freight				\$65.00
	Disposal				\$20.00
	Equipment/other Subtotal				\$85.00

Total Est. Cost		\$9,960.00
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Prepared by: Deric	Office Initials: BT	
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*Proposal valid for 30 days from above date		
*A signed copy of bid is required before work may begin		
*Upon approval a	50%	deposit of bid total is required before work may begin \$4,980.00
Approved:		Date:

ESTIMATE

Reference # 4-101995

Thank you for the opportunity to provide you with an estimate.

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	180 E 1st St
	Ketchum, ID 83340
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	9/1/2020

ATTN:	
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Scope of Work:	Change out 75 gallon water heater with new.
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<u>Item</u>	<u>Description</u>				<u>Amount</u>
Labor	<i>Labor Type</i>	<i>Hours</i>	<i>Rate</i>		
	Journeyman	8	\$110.00		\$880.00
	Apprentice	8	\$80.00		\$640.00
	Labor Subtotal				\$1,520.00
Materials	AO Smith Power Vent 75 gal Water Heater				\$2,440.00
	Misc Material				\$510.00
		Material Subtotal			
Equipment/other	Freight				\$290.00
	Disposal				\$20.00
	Equipment/other Subtotal				\$310.00

Total Est. Cost		\$4,780.00
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Prepared by: Deric	Office Initials: BT	
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*Proposal valid for 30 days from above date		
*A signed copy of bid is required before work may begin		
*Upon approval a	50%	deposit of bid total is required before work may begin \$2,390.00
Approved:		Date: