



City of Ketchum

PROCUREMENT MEMO

Meeting Date: October 16, 2023 Staff Member/Dept: Trent Donat/Administration

Agenda Item: Discussion and guidance on F150 Lightning electric vehicle purchase for wastewater department.

Recommended Motion:

I move to approve not to exceed amount of \$64,000 for the purchase of the 2024 F-150 Lightning Electric Vehicle and accompanying charging infrastructure.

OR

I move to approve the not to exceed amount of \$42,000 for the purchase of the 2023 F-150 Gas Vehicle.

Summary of Procurement Process:

Table with 2 columns: Bidder, Bid Price. Rows include Mountain Home Auto Ranch (\$60,931), Ford Charger Station Pro (\$1,310), and Mountain Home Auto Ranch (\$41,803).

Table with 3 columns: Low Bid Contractor, Bid Price, Budget Account/Number. Row includes Mountain Home Auto Ranch, See Above, and CIP Line-Item 67-4350-7813.

Background (if necessary):

- Discussion based on Council's direction to move to a more sustainable and environmentally friendly fleet.
Purchase of Ford Lightning Electric Vehicle would demonstrate commitment and leadership by City government to reach sustainability goals.
Marketplace, infrastructure, and availability have reached a tipping point in favor of this technology.
Will continue to explore possible federal incentives/grants to offset costs.
Wastewater Department will use the new truck to replace the 2001 GMC pickup of the Collections Supervisor.

Analysis and Background:

Ford F-150 Lightning Electric Vehicle

<p><u>PROS</u></p> <ul style="list-style-type: none">• City Sustainability Goals• Environmental Leadership• Zero Emissions• Lower energy (fuel) costs• Lower ongoing maintenance costs• Software upgrades to ensure up to date systems• Data driven decisions used for fleet productivity and visibility• 400 lbs. of extra, waterproof cargo space with “frunk”• Onboard Pro Power Source – 9.6 kW for wastewater cameras and tools needed for daily workload vs. carrying a generator• Warranty – 3-year/36,000-mile bumper-to-bumper warranty and 5-year/60,000-mile powertrain warranty, PLUS 8-year/100,000-mile Electric Vehicle Component – retaining a minimum of 70% of battery’s original capacity over the period.• Time savings (no waiting to refuel at gas station)• Truck could be used for “on-call” commuter vehicle to save on gas.• 2024 Model Year	<p><u>CONS</u></p> <ul style="list-style-type: none">• Higher upfront purchase costs• Higher upfront infrastructure costs• Winter weather affects battery range• Reduced driving range vs. gas model• Lack of driving range while towing• Order Time/Delivery window: In 6 to 8 Weeks up to 12 months or more
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Ford F-150 Gas Vehicle

<p><u>PROS</u></p> <ul style="list-style-type: none">• Available NOW• Lower upfront purchase costs• Sales leader for decades• Proven name and reliability• No winter climate penalties• Warranty – 3-year/36,000-mile bumper-to-bumper warranty and 5-year/60,000-mile powertrain warranty	<p><u>CONS</u></p> <ul style="list-style-type: none">• Higher ongoing maintenance costs• Higher energy (fuel) costs• Environmentally disadvantaged• 2023 Model Year
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Sustainability Impact:

None OR state impact here:

- Zero emissions, lower energy costs, and environmental/climate friendly.

Attachments:

1. Mountain Home Auto Ranch Quote – 2023 F-150 Gas
2. Mountain Home Auto Ranch Quote – 2024 F-150 Lightning Electric
3. Ford F-150 Lightning – Charging Options and Estimated Charge Times
4. Links to Ford vehicle information, reviews, and cost comparisons.



G R O U P

FLEET

OUT THE DOOR QUOTE FROM MOUNTAIN HOME AUTO RANCH

MODEL	MAKE	YEAR
F-150 CREW 4X4 XL 157 WB	FORD	2023
FLEET BASE PRICING	\$	41,246.00
OPTIONS	\$	(9.00)
STATE ADMIN FEE	\$	566.00
Your Price	\$	41,803.00

PURCHASER: CITY OF KETCHUM
PIGGYBACKED OFF OF: CITY OF BOISE CONTRACT

Vernon 'Butch' Wade

208-249-1330 Cell

Email: vernonwade@msn.com

OKAY TO ORDER PER SPECS

NUMBER OF UNTIS

CONTACT TRENT DONAT

PHONE NUMBER 208-806-7010

Vehicle: [Fleet] 2023 Ford F-150 (W1E) XL 4WD SuperCrew 6.5' Box (✔ Complete)

Selected Model and Options

MODEL

CODE	MODEL	Invoice
W1E	2023 Ford F-150 XL 4WD SuperCrew 6.5' Box	\$46,260.00

COLORS

CODE	DESCRIPTION
YZ	Oxford White

ENGINE

CODE	DESCRIPTION	Invoice
998	Engine: 3.5L V6 EcoBoost -inc: auto start-stop technology	\$674.00

TRANSMISSION

CODE	DESCRIPTION	Invoice
44G	Transmission: Electronic 10-Speed Automatic -inc: selectable drive modes: normal, ECO, sport, tow/haul, slippery, deep snow/sand and mud/rut (STD)	\$0.00

OPTION PACKAGE

CODE	DESCRIPTION	Invoice
101A	Equipment Group 101A Standard *CREDIT*	(\$683.00)

AXLE RATIO

CODE	DESCRIPTION	Invoice
X27	3.31 Axle Ratio (STD)	\$0.00

WHEELS

CODE	DESCRIPTION	Invoice
64C	Wheels: 17" Silver Steel (STD)	\$0.00

TIRES

CODE	DESCRIPTION	Invoice
—	Tires: 265/70R17 BSW A/T (STD)	\$0.00

PRIMARY PAINT

CODE	DESCRIPTION	Invoice
YZ	Oxford White	\$0.00

Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided. Data Version: 20660, Data updated Oct 9, 2023 7:57:00 PM PDT

Vehicle: [Fleet] 2023 Ford F-150 (W1E) XL 4WD SuperCrew 6.5' Box ( Complete)

SEAT TYPE

CODE	DESCRIPTION	Invoice
CS	Black w/Medium Dark Slate, Cloth 40/20/40 Front Seat -inc: 2-way manual driver/passenger adjustment and armrest	\$0.00
Options Total		(\$9.00)

Prices, specifications, and availability are subject to change without notice, and do not include certain fees, taxes and charges that may be required by law or vary by manufacturer or region. Performance figures are guidelines only, and actual performance may vary. Photos may not represent actual vehicles or exact configurations. Content based on report preparer's input is subject to the accuracy of the input provided. Data Version: 20660, Data updated Oct 9, 2023 7:57:00 PM PDT

Boise 7023

		1/2 ton Pickups				1/2 ton Pickups				3/4 ton Pickups				3/4 ton Pickups			
FP-1	F150 2WD Reg Cab 8' Box 141" WB	XL	F1C	2023	\$28,959.00	BUILT OUT 8/12/22	2022	\$23,242.00									
FP-2	F150 2WD Reg Cab 8' Box 141" WB	XLT	F1C	2023	\$33,950.00	BUILT OUT 8/12/22	2022	\$27,974.00									
FP-3	F150 4WD Reg Cab 8' Box 141" WB	XL	F1E	2023	\$33,506.00	BUILT OUT 8/12/22	2022	\$26,787.00									
FP-4	F150 4WD Reg Cab 8' Box 141" WB	XLT	F1E	2023	\$37,321.00	BUILT OUT 8/12/22	2022	\$30,352.00									
FP-5	F150 2WD SuperCrew 8' Box 145" WB	XL	X1C	2023	\$34,133.00	BUILT OUT 8/12/22	2022	\$25,585.00									
FP-6	F150 2WD SuperCrew 8' Box 145" WB	XLT	X1C	2023	\$37,807.00	BUILT OUT 8/12/22	2022	\$29,189.00									
FP-7	F150 4WD SuperCrew 8' Box 145" WB	XL	X1E	2023	\$38,874.00	BUILT OUT 8/12/22	2022	\$28,290.00									
FP-8	F150 4WD SuperCrew 8' Box 145" WB	XLT	X1E	2023	\$42,459.00	BUILT OUT 8/12/22	2022	\$31,807.00									
FP-9	F150 2WD Reg Cab 6.5' Box 122" WB	XL	F1C	2023	\$28,687.00	BUILT OUT 8/12/22	2022	\$22,974.00									
FP-10	F150 2WD Reg Cab 6.5' Box 122" WB	XLT	F1C	2023	\$33,689.00	BUILT OUT 8/12/22	2022	\$27,712.00									
FP-11	F150 4WD Reg Cab 6.5' Box 122" WB	XL	F1E	2023	\$33,227.00	BUILT OUT 8/12/22	2022	\$26,519.00									
FP-12	F150 4WD Reg Cab 6.5' Box 122" WB	XLT	F1E	2023	\$37,050.00	BUILT OUT 8/12/22	2022	\$30,101.00									
FP-13	F150 2WD SuperCrew 6.5' Box 145" WB	XL	X1C	2023	\$32,871.00	BUILT OUT 8/12/22	2022	\$24,420.00									
FP-14	F150 2WD SuperCrew 6.5' Box 145" WB	XLT	X1C	2023	\$36,582.00	BUILT OUT 8/12/22	2022	\$28,051.00									
FP-15	F150 4WD SuperCrew 6.5' Box 145" WB	XL	X1E	2023	\$36,601.00	BUILT OUT 8/12/22	2022	\$26,081.00									
FP-16	F150 4WD SuperCrew 6.5' Box 145" WB	XLT	X1E	2023	\$39,935.00	BUILT OUT 8/12/22	2022	\$30,940.00									
FP-17	F150 2WD SuperCrew 6.5' Box 157" WB Non-Hybrid Powertrain	XL	W1C	2023	\$36,439.00	BUILT OUT 8/12/22	2022	\$28,620.00									
FP-18	F150 2WD SuperCrew 6.5' Box 157" WB Non-Hybrid Powertrain	XLT	W1C	2023	\$39,892.00	BUILT OUT 8/12/22	2022	\$31,040.00									
FP-19	F150 2WD SuperCrew 6.5' Box 157" WB Hybrid	XL	W1C				2022	\$33,566.00									
FP-20	F150 2WD SuperCrew 6.5' Box 157" WB Hybrid	XLT	W1C				2022	\$35,986.00									
FP-21	F150 4WD SuperCrew 5.5' Box 145" WB Non-Hybrid Powertrain	XL	W1E	2023	\$38,509.00	BUILT OUT 8/12/22	2022	\$29,582.00									
FP-22	F150 4WD SuperCrew 5.5' Box 145" WB Non-Hybrid Powertrain	XLT	W1E	2023	\$42,307.00	BUILT OUT 8/12/22	2022	\$31,946.00									
FP-23	F150 4WD SuperCrew 5.5' Box 145" WB Hybrid	XL	W1E				2022	\$35,759.00									
FP-24	F150 4WD SuperCrew 5.5' Box 145" WB Hybrid	XLT	W1E				2022	\$38,123.00									
FP-25	F150 4WD SuperCrew 6.5' Box 157" WB Non-Hybrid Powertrain	XL	W1E	2023	\$41,246.00	BUILT OUT 8/12/22	2022	\$31,796.00									
FP-26	F150 4WD SuperCrew 6.5' Box 157" WB Non-Hybrid Powertrain	XLT	W1E	2023	\$44,592.00	BUILT OUT 8/12/22	2022	\$34,119.00									
FP-27	F150 4WD SuperCrew 6.5' Box 157" WB Hybrid	XL	W1E	2023			2022	\$36,252.00									
FP-28	F150 4WD SuperCrew 6.5' Box 157" WB Hybrid	XLT	W1E	2023			2022	\$38,575.00									
FP-29	F150 4WD SuperCrew 5.5' Box 145" WB Lightning EV	PRO	W1E	2023	\$41,893.00	BUILT OUT											
FP-30	F150 4WD SuperCrew 5.5' Box 145" WB Lightning EV	XLT	W1E	2023	\$54,049.00	BUILT OUT											
FP-31	F150 4WD SuperCrew 5.5' Box 145" WB Lightning EV	LARIAT	W1E	2023	\$68,637.00	BUILT OUT											
FP-32	F150 4WD SuperCrew 5.5' Box 145" WB Lightning EV	PLATINUM	W1E	2023	\$89,188.00	BUILT OUT											
* Non-Hybrid Powertrain and Hybrid Powertrain carry different factory Discount Incentives. Please use the specified Hybrid Line when ordering the Hybrid powertrain.																	
3/4 ton Pickups																	
FP-33	F250 2WD Reg Cab 8' Box 142" WB	XL	F2A	2023													
FP-34	F250 2WD Reg Cab 8' Box 142" WB	XLT	F2A	2023													
FP-35	F250 4WD Reg Cab 8' Box 142" WB	XL	F2B	2023													
FP-36	F250 4WD Reg Cab 8' Box 142" WB	XLT	F2B	2023													
FP-37	F250 2WD SuperCab 6.75' Box 148" WB	XL	X2A	2023													
FP-38	F250 2WD SuperCab 6.75' Box 148" WB	XLT	X2A	2023													
FP-39	F250 2WD SuperCab 8' Box 164" WB	XL	X2A	2023													
FP-40	F250 2WD SuperCab 8' Box 164" WB	XLT	X2A	2023													
FP-41	F250 4WD SuperCab 6.75' Box 148" WB	XL	X2B	2023													
FP-42	F250 4WD SuperCab 6.75' Box 148" WB	XLT	X2B	2023													



G R O U P

FLEET

OUT THE DOOR QUOTE FROM MOUNTAIN HOME AUTO RANCH

MODEL	MAKE	YEAR
F-150 LIGHTNING	FORD	2024
FLEET BASE PRICING	\$ 45,741.00	
OPTIONS	\$ 15,190.00	
STATE ADMIN FEE	\$ -	
Your Price	\$ 60,931.00	

PURCHASER: CITY OF KETCHUM
PIGGYBACKED OFF OF: CITY OF BOISE CONTRACT

Vernon 'Butch' Wade

208-249-1330 Cell

[Email: vernonwade@msn.com](mailto:vernonwade@msn.com)

OKAY TO ORDER PER SPECS

NUMBER OF UNTIS

CONTACT TRENT DONAT

PHONE NUMBER 208-806-7010



Preview Order A500 - W1B - 4x4 Pro SuperCrew: Order Summary Time of Preview: 10/11/2023 17:02:35 Receipt: NA

Dealership Name: Mountain Home Auto Ranch

Sales Code : F56600

Dealer Rep.	VERNON WADE	Type	Fleet	Vehicle Line	F-150	Order Code	A500
Customer Name	ketchum	Priority Code	A1	Model Year	2024	Price Level	415

DESCRIPTION	INVOICE DESCRIPTION	INVOICE
F150 4X4 SUPERCREW PRO - 145	\$49995 PRO POWER ONBOARD - 9.6 KW	\$1200
145 INCH WHEELBASE	\$0 MAX TRAILER TOW PACKAGE	\$1100
TOTAL BASE VEHICLE	\$48208 .INTEGRATED TRAILER BRAKE CONT	\$0
OXFORD WHITE	\$0 20" ALLOY DARK CARBONIZED GRAY	\$0
SSV HEAVY-DUTY CLOTH 40/CON/40	\$0 PRO SSV PACKAGE	\$145
MEDIUM DARK SLATE	\$0 .8-WAY POWER DRIVERS SEAT	\$0
EQUIPMENT GROUP 110A	\$0 LED WARNING BEACONS-AMBER*ACCY	\$650
.PRO SERIES	\$0 BEDLINER-TOUGHBED SPRAYIN*ACCY	\$595
.ZERO EMISSIONS VEHICLE	\$0 SPECIAL FLEET ACCOUNT CREDIT	\$-1792
131KWH EXT BAT-DUAL CHGR	\$11500 FUEL CHARGE	\$0
SINGLE-SPEED TRANSMISSION	\$0 PRICED DORA	\$0
275/60R20 BSW ALL-SEASON	\$0 ADVERTISING ASSESSMENT	\$0
8550# GVWR PACKAGE	\$0 DESTINATION & DELIVERY	\$2095
FRONT LICENSE PLATE BRACKET	\$0	
TOTAL BASE AND OPTIONS		INVOICE \$65488
DISCOUNTS		NA
TOTAL		\$65488

ORDERING FIN: QA497 END USER FIN: QA497

Fleet account credit

Reduced IN BASE

Customer Name:
Customer Address:

Customer Email:
Customer Phone:

options \$ 15,190⁰⁰⁰

Customer Signature

Date

This order has not been submitted to the order bank.

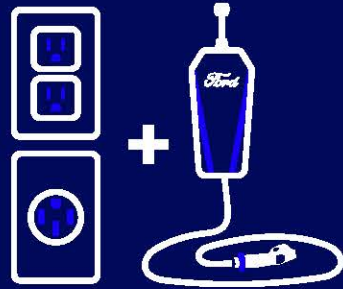
This is not an invoice.

FORD F-150 LIGHTNING

CHARGING OPTIONS AND ESTIMATED CHARGE TIMES



Estimated charge times 15% to 100% at 240 volts¹



Ford Mobile Charger

32-amp

14 hours*

19 hours*

32-amp portable AC charger runs on either a 120- or 240-volt AC wall outlet and is included in the purchase or lease of an F-150 Lightning.

¹Charge time shown with 240-volt power connection.



Ford Connected Charge Station

48-amp

10 hours

13 hours

48-amp wall mount AC charger runs on a wired 240-volt AC circuit for faster Level 2 home, office or depot charging than the basic 32-amp Ford Mobile Charger.



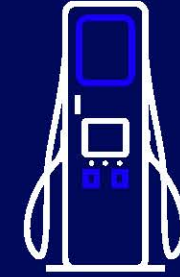
Ford Charge Station Pro

80-amp

10 hours

8 hours

80-amp wall mount AC charger runs on a wired 240-volt AC circuit for optimal AC charging capability. On the extended-range F-150 Lightning, it works with the truck's dual on-board chargers for 15% to 100% overnight charging in about 8 hours.



Electrify America DC Fast Charging Station

150-kW (15% to 80% charge)

44 minutes

41 minutes

Up to 150 kW for rapid charging on the road, the F-150 Lightning can access network of DC fast chargers that can add up to 41 miles of range in about 10 minutes on the standard range truck and up to 54 miles of range in about 10 minutes on the extended range truck.⁴

Standard-Range Battery (targeted EPA-estimated range of 230 miles²)

Extended-Range Battery (targeted EPA-estimated range of 300 miles³)

¹Charge time based on manufacturer computer engineering simulations. The charging rate decreases as battery reaches full capacity. Your results may vary based on peak charging times and battery state of charge. ²Based on full charge. USA EPA-targeted range based on analytical projection consistent with U.S. EPA combined drive cycle. Actual range varies with conditions such as external environment, vehicle use, vehicle maintenance, lithium-ion battery age and state of health. Final EPA-estimated ratings available in 2022 calendar year. ³Excludes Platinum models. Based on full charge. USA EPA-targeted range based on analytical projection consistent with U.S. EPA combined drive cycle. Actual range varies with conditions such as external environment, vehicle use, vehicle maintenance, lithium-ion battery age and state of health. Final EPA-estimated ratings available in 2022 calendar year. ⁴Excludes Platinum models. Range and charge time based on manufacturer computer engineering simulations and analytical projection consistent with US EPA combined drive cycle. The charging rate decreases as battery reaches full capacity. Your results may vary based on peak charging times and battery state of charge. Actual range varies with conditions such as external environment, vehicle use, vehicle maintenance, lithium-ion battery age and state of health.

FORD MEDIA VEHICLE INFORMATION

1. [F-150 Lightning Pro \(Videos and Information\)](#)
2. [F-150 Lightning Trim Levels & Options](#)

REVIEWS

1. [Car and Drive F-150 Lightning Review](#)
2. [Edmunds F-150 Lightning Review](#)
3. [Kelley Blue Book F-150 Lightning Review](#)
4. [Edmunds F-150 Lightning Long-Term Road Test](#)

COST COMPARISONS

1. [Charged EV Fleet & Infrastructure News Cost Comparison](#)
2. [Pickup Truck +SUV Cost Comparison](#)
3. [Ford EV Ownership Cost to Own](#)

F-150 vs. F-150 Lightning COMPARISONS

1. [US News & World Report F-150 vs. Lightning](#)