

STAFF REPORT



SUBJECT: Utility Backhoe
MEETING: Council Meeting - 10 Oct 2023
DEPARTMENT: Public Works – Water/Sewer
STAFF CONTACT: Nick Williams

RECOMMENDATION:

Staff recommends approval to purchase a backhoe from Holt CAT as approved in the adopted FY23-24 budget.

BACKGROUND:

The city utilizes two backhoes as core pieces of equipment to perform routine maintenance, excavate, load, and clean construction areas.

PROPOSAL:

Attached is a Sourcewell quote received from Holt CAT for the purchase of a 420 backhoe in the amount of \$142,648.28. The utility department currently uses a similar machine and has had good success with power and efficiency.

FISCAL IMPACT SUMMARY:

The FY23-24 adopted budget includes \$145,000 for the backhoe. The total purchase cost of the machine is \$142,648.28 leaving a positive balance of \$2,350.72.

The Purchasing Manager has confirmed the city is able to purchase this equipment through the Sourcewell Cooperative purchasing agency and adhere to all purchasing requirements.

ALTERNATIVES:

The following alternatives are provided for consideration:

1. Do not recommend approval of the backhoe as presented, or
2. Purchase the backhoe with financing, or
3. Recommend an alternate backhoe.

ADVANTAGES:

1. The cost is under budget.
2. A recent machine has been held with CAT

DISADVANTAGES:

1. No disadvantages have been identified.

ATTACHMENTS:

[2023_10-10 – Holt CAT – Backhoe Quote](#)



DATE: Sept 21, 2023
 QUOTE #:321787-01

CITY OF STEPHENVILLE
 NICK WILLIAMS

Dunn, Patrick
 817.996.6348

298 W WASHINGTON ST
 STEPHENVILLE, TEXAS 76401-3414

One (1) New Caterpillar Inc Model: 420 Backhoe Loaders with all standard equipment in addition to the additional specifications listed below:

SALE PRICE	\$142,649.28
EXT WARRANTY	Included
TOTAL PRICE	\$142,649.28
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SUB TOTAL	\$142,649.28
TOTAL PURCHASE PRICE	\$142,649.28

WARRANTY

Standard Warranty: 12 Month/Unlimited Hours Total Machine
 Extended Warranty: 4 year or 2000 hour powertrain extended warranty

City of Stephanville sourcewell account number 131370

DATE: Sept 21,2023 #:Quote 321787-01

MACHINE SPECIFICATIONS

DESCRIPTION	REF.#
DCA2/ST/C4EX	617-5960
INCLUDES:	
542-7992 420 07A BACKHOE LOADER CFG2	542-7992
337-9696 COUNTERWEIGHT, 460 KGS (1015 LBS)	337-9696
491-6734 WORKLIGHTS (8) HALOGEN LAMPS	491-6734
541-9540 ENGINE, 74.5KW, C3.6 DITA, S5 (T4F)	541-9540
542-7774 HYDRAULICS, MP, 6FCN/8BNK, ST	542-7774
542-7810 AIR CONDITIONER, S5 (T4F)	542-7810
543-4284 STICK, EXTENDABLE, 4.3M (14FT)	543-4284
544-0883 CAB, DELUXE	544-0883
544-1066 PT, 4WD/2WS, POWERSHIFT	544-1066
545-5047 DISPLAY, STANDARD	545-5047

DESCRIPTION	REF.#
545-8548 LOADER BUCKET PINS	545-8548
551-6453 RIDE CONTROL	551-6453
551-6940 COLD WEATHER PACKAGE, 120V	551-6940
560-6797 PRODUCT LINK, CELLULAR, PLE643	560-6797
567-5090 AUTO-UP STABILIZERS	567-5090
582-7395 AUX READY, E-STICK	582-7395
611-0339 SEAT, DELUXE FABRIC	611-0339
BELT, SEAT, 2" SUSPENSION	206-1747
TIRES, 340 80-18/500 70-24, MX	533-0488
STABILIZER PADS, FLIP-OVER	9R-6007
BUCKET-GP, 1.5 YD3, PO	337-7401
COUPLER, PIN LOCK, BL F	544-1901
BUCKET-HD, 24", 7.3 FT3, PL	247-1950
LINES, AUX HYD,E-STICK	614-5697
STANDARD RADIO (12V)	540-2298
GUARD, STABILIZER	353-1389
PLATE GROUP - BOOM WEAR	423-7607
CUTTING EDGE, TWO PIECE,WIDE	9R-5320
INSTRUCTIONS, ANSI	559-0872
SERIALIZED TECHNICAL MEDIA KIT	421-8926
PACK, DOMESTIC TRUCK	0P-0210
SHIPPING/STORAGE PROTECTION	461-6839
RUST PREVENTATIVE APPLICATOR	462-1033

STANDARD EQUIPMENT

BOOMS, STICKS, AND LINKAGES

BACKHOE

- 14'4" Center pivot backhoe
4.3 Meters
- Boom and swing transport locks
- Pilot operated backhoe and electro hydraulic stabilizer controls
- Street type stabilizer shoes
- Anti-drift hydraulics (boom, stick, and E-stick)
- Cat Cushion Swing(tm) system

LOADER

- Single Tilt Loader
- Lift cylinder brace
- Self-leveling loader with single lever control
- Return-to-dig
(automatic bucket positioner)
- Transmission neutralizer switch
- Bucket level indicator

POWERTRAIN

- Water separator
- Thermal starting aid system
- Dry type axial seal air cleaner with integral precleaner
- Automatic dust ejection system
- Filter condition indicator
- Hydraulically boosted multi-plate

- Torque converter
- Transmission-four speed manual shift
- Neutral safety switch
- Spin-on filters for
Fuel
Engine oil
Transmission oil

- wet disk brake with dual pedals & interlock
- Differential lock

- Outboard Planetary Rear Axles
- Diesel particulate filter
- Hydrostatic power steering

HYDRAULICS

- Pilot hoe and mechanical loader controls
- Load sensing, variable flow system with 43 gpm (162 L/min) axial piston pump
- 6 micron hydraulic filter

- Caterpillar XT-3 hose
- Hydraulic oil cooler
- Pilot control shutoff switch
- Flow-sharing hydraulic valves
- Hydraulic suction strainer

ELECTRICAL

- 12 volt electrical start
- Horn, front and rear
- Backup alarm
- Hazard flashers/turn signals
- Halogen head lights (2)
- Halogen rear flood lights (2)
- Stop and tail lights

- Audible system fault alarm
- Key start/stop system
- 850 CCA maintenance free battery
- Battery disconnect switch
- External Power Receptacle (12v)
- Diagnostic ports for engine and machine Electronic Control Modules

OPERATOR ENVIRONMENT

- Interior rearview mirror
- ROPS canopy, Rear Fenders
- 2-inch (50mm) retractable seat belt
- Tilt steering column
- Steering knob
- Hand and foot throttle

- Automatic Engine Speed Control
- One Touch Low Idle
- Floor mat and Coat Strap
- Lockable storage area
- Air suspension seat

FLUIDS

- Antifreeze - Extended Life Coolant

-20F (-30C)

OTHER STANDARD EQUIPMENT

- Standard Storage Box
- Transport tie-down points
- Ground line fill fuel tank with 42.3 gal (160L) capacity & 5 gal (19L) diesel exhaust fluid
- Rubber impact strips on radiator

- guard
- CD-ROM Parts Manual
- Safety Manual
- Operations and Maintenance Manual
- Lockable hood
- Tire Valve Stem Protection