



STAFF REPORT

Report To: Board of Supervisors **Meeting Date:** June 6, 2019

Staff Contact: Carol Akers and Jennifer Budge

Agenda Title: For Possible Action: Discussion and possible action regarding the purchase of one new mower for the Parks, Recreation and Open Space Department, utilizing joinder Contract No. 2017025 with National IPA, for an amount not to exceed \$67,965.08. (Carol Akers, CAkers@carson.org and Dan Kastens, DKastens@carson.org)

Staff Summary: Approval of this request would authorize the purchase of a new Toro, Groundskeeper 4000D Series Mower for the Parks, Recreation and Open Space Department for \$67,965.08, this was approved as part of the Capital Improvement Plan for FY20 - Equipment Replacement - Parks. The purchase amount exceeds \$50,000 and therefore requires Board of Supervisors approval pursuant to City policy.

Agenda Action: Formal Action / Motion **Time Requested:** Consent

Proposed Motion

I move to approve the purchase of one new mower for an amount not to exceed \$67,965.08.

Board's Strategic Goal

Efficient Government

Previous Action

None

Background/Issues & Analysis

The mower fleet within the Parks Department is aging and becoming more costly to repair and maintain. Efforts to strategically update aging equipment as it depreciates is a priority, this item represents an essential piece of equipment in the Department's fleet.

Approval of this request will authorize the purchase of one Toro Groundskeeper 4000D Series mower as a replacement for the current Toro 4000D mower that was purchased used in 2009. Current machine hours are in excess of 4,000 on this machine. Average industry standards suggest major maintenance or equipment replacement around 3,000 – 4,000 machine hours. The parts to fix the current 4000D mower are primarily discontinued or hard to find for staff and have become a significant financial burden to the park maintenance budget. The current Toro is responsible for approximately 25% of all the turf that is mowed by the Department, at approximately 20-acres. The current Toro is also used as a “back up” or “substitute” mower for the larger models when they are in for service or repairs. Last year alone, over 4,800 man hours were spent mowing in a 26-week period and these large mowers represented over 1000 of those man hours. If the City doesn't have this type of high efficiency mower in its fleet, the overall staff hours and repair costs will significantly increase, while the City's level of service will decrease.

Contract being utilized;

National IPA Contract 2017025 (expires 4/1/22)
http://www.nationalipa.org/Vendors/Pages/TheToroCompany.aspx#tabs-contract

Turf Star Western is an authorized dealer of TORO equipment for Contract No. 2017025.

Applicable Statute, Code, Policy, Rule or Regulation

NRS 332.195

Financial Information

Is there a fiscal impact? Yes

If yes, account name/number: Equipment Replacement - Parks Account / 210-0000-452.65-54

Is it currently budgeted? Yes

Explanation of Fiscal Impact: Equipment Replacement - Parks Account / 210-0000-452.65-54 available budget is \$67,965.08 as approved in the FY20 Capital Improvement Plan budget.

Alternatives

Do not approve purchase or provide alternative direction to staff.

Attachments:

[GM4000-D Quote.pdf](#)

Board Action Taken:

Motion: _____	1) _____	Aye/Nay
	2) _____	_____

(Vote Recorded By)

Date: May 6, 2019



Quotation for Carson City Parks Maint

Quote No:612922-00

Prepared For: Paul Griffitts	Quote No: 612922-00
Carson City Parks Maint	iQuote No: 06843
3303 Butti Way Bldg 9	Sales Person: Don Kittilsen
Carson City, NV 89706	don.kittilsen@turfstar.com (916) 709-7104

National IPA Pricing: Contract 2017025, IPA Membership required.
 Carson City Parks NationalIPA Member number: NIPA3257

Summary

Configuration Name	Qty	Unit Price	Sub Total	Sales Tax	Total
010-Groundsmaster 4000-D T4 Compliant Diesel 54HP	1	\$67,965.08	\$67,965.08	\$0.00	\$67,965.08
Totals:			\$67,965.08	\$0.00	\$67,965.08

Capital Improvement FY 19/20

Vendor #: 15949

CK Date/Group#: _____

Backup-Parks

Account #: 210-0000-452-65.54 - FY 19/20

Signature: [Signature]
Approved for Payment

Date: May 6, 2019

Quote No:612922-00



Quotation for Carson City Parks Maint

Configuration Product Details

010-Groundsmaster 4000-D T4 Compliant Diesel 54HP

Model	Product Description	Qty	Unit Price	Extended	Sales Tax	Total
30609	Groundsmaster 4000-D T4 Compliant Diesel 54HP	1	\$65,342.36	\$65,342.36	\$0.00	\$65,342.36
30420	Recycler Kit GM4000	1	\$1,224.61	\$1,224.61	\$0.00	\$1,224.61
108-1450	BLADE SERVICE PACK, 21.7 5 IN (107-0214)	3	\$150.24	\$450.72	\$0.00	\$450.72
30671	Universal Sunshade Red	1	\$632.64	\$632.64	\$0.00	\$632.64
131-6691	SEAT COVER, LARGE	1	\$35.14	\$35.14	\$0.00	\$35.14
30408	MVP KIT-GM4XXX, 800 HR Y ANMAR T4F	1	\$279.61	\$279.61	\$0.00	\$279.61
Totals:						\$67,965.08

TORO

Groundsmaster® 4000-D/4010-D

WIDE AREA ROTARY MOWERS

FEATURES

- 55 hp (41 kW) Yanmar® engine, Tier 4 Final Compliant, turbo-diesel engine
- Smart Power® - optimized mowing in all conditions
- Foldable ROPS
- 11' (3.4 m) width of cut
- Full-time 4WD forward and reverse
- All-time traction assist assures full-time 4WD
- 0" uncut circle in turns
- SmartCool™ auto-reversing cooling fan
- HybridDrive™ cutting deck system delivers unmatched reliability
- 4-way adjustable seat and Air Ride Suspension
- InfoCenter™ displays simple operating info while monitoring machine health
- Integrated ControlHub™ with fingertip electronic controls
- Top and rear air intake for increased cooling
- Climate-controlled safety cab with air conditioning and heater (4010-D)
- Isolated operator platform for greater comfort and smoother ride

Operator-friendly and smart by design.

With Smart Power® technology, high engine torque and patented, HybridDrive™ cutting deck system, the Groundsmaster 4000-D and 4010-D deliver power where you need it most – to cut grass, no matter how tough the conditions. With their excellent trimming capability, you'll maneuver around obstacles with ease. Both mowers can mow a 0" uncut circle, allowing you to mow back and forth patterns without leaving any uncut grass. The patented, parallel hydraulic traction system maintains consistent hydraulic flow between the front and rear wheels to assure full time 4-wheel drive. This allows you to mow with confidence, even on hills and wet grass.

toro.com/4000



Groundsmaster® 4010-D

Groundsmaster® 4000-D

SMART POWER

Call your Toro distributor at 800-803-8676

GROUNDMASTER 4000-D, TIER 4 DIESEL, MODEL 30609 GROUNDMASTER 4010-D, TIER 4 DIESEL, MODEL 30636																
ENGINE	Yanmar® 4-cylinder, liquid-cooled, turbo-charged diesel. 127 cu. in. (2.1 liter) displacement. Engine rated at 55 hp (41 kW) net and 125 ft.-lbs. (169 Nm) torque at 2,000 rpm. 8 quart (7.6 liter) oil capacity. EPA Tier IV Final Compliant															
AIR CLEANER	Dry, replaceable primary and safety elements.															
RADIATOR	Rear-mount, cross-flow, 7-row, 6.3 fins per inch, 9 quart (8.5 liter) capacity.															
FUEL CAPACITY	21 gallons (79.5 liters) diesel fuel. Biodiesel-Ready for use up to B-20(20% biodiesel and 80% petroleum blend)															
TRACTION DRIVE	Parallel hydrostatic, closed loop system with full-time 4WD. Forward/reverse in low (mow) and high (transport) range with full-time, automatic traction assist (forward only) standard on Groundsmaster 4000-D models. Variable displacement piston pump with electronic servo control powers dual speed displacement piston motor drive into double reduction planetary in front, and mechanical axle in rear. Smart Powe™ feature controls traction speed to maintain optimal cutting blade speed.															
HYDRAULICS/COOLING	8.75 gallon (33.1 liter) capacity with 10 micron remote spin-on filter. 9 row, single pass cooler, 6.3 fins per inch, that tilts out for cleaning. Variable speed radiator cooling fan with automatic (based on coolant and oil temps) and manual reversing capabilities.															
DIAGNOSTICS	Diagnostic pressure test ports: forward and reverse traction, left, center and right decks, reverse 4WD, lift, steering, charge and deck counterbalance circuits.															
GROUND SPEED	Transport: 0-16.2 mph (0-26.1 km/h) forward, 0-8.1 mph (0-13 km/h) reverse. Mow: 0-8.3 mph (0-13.4 km/h) forward, 0-4 mph (0-6.4 km/h) reverse.															
TIRES	Front: 26 x 12-12, 6-ply tubeless Multi-Trac. Rear: 20 x 10-10, 6-ply tubeless Multi-Trac.															
MAIN FRAME	All welded formed-steel frame with integral tie-down anchors.															
BRAKES	Mechanically actuated, internal wet disc brakes on input to each planetary drive. Individual foot-operated steering brake control of left and right wheel. Lock pedals together and latch to engage parking brake.															
SEAT	4-way adjustable, right armrest travels with seat and suspension.															
STEERING	Power steering with dedicated power source. Steering wheel tilts to desired operator position. Uncut circle: 0" diameter.															
INSTRUMENTATION	InfoCenter™: Onboard LCD display shows gauges, alerts/faults, service reminders, electrical system diagnostics. Indicates fuel level, coolant temp, intake temperature, low oil pressure, alternator, engine hours, engine rpm, hydraulic oil temperature, voltage															
CONTROLS	Tilt steering, ignition switch, throttle switch, foot-operated traction pedal, lockable individual brake pedals, parking brake lock, mow/transport speed selector switch, 3, two-position switches for individual deck lift/lower, counterbalance adjustment, tow valves, cup holder, toolbox, radio holder, fan switch and 12-volt power outlet.															
CRUISE CONTROL	Standard															
ELECTRICAL	12-volt, 690 cold cranking amps battery, 80 amp alternator (4010-D). Overload protection with automotive type fuses.															
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat while moving or deck is engaged, traction and / or deck stops, info center alarms and gives message. Mowing only permitted in low range. Traction not allowed if parking brake engaged and pedal moved out of neutral, info center alarms and gives message. Deck transport latches.															
GROUND CLEARANCE	6.5" (16.5 cm)															
OVERALL DIMENSIONS	<table border="1"> <thead> <tr> <th>Height</th> <th>Length</th> <th>Width</th> <th>Transport Width</th> <th>Wheelbase</th> </tr> </thead> <tbody> <tr> <td>85" (216 cm) w/ROPS up</td> <td>135" (343 cm)</td> <td>136" (346 cm)</td> <td>71" (180 cm)</td> <td>55.5" (140 cm)</td> </tr> <tr> <td>93.9" (237 cm) w/ cab</td> <td>w/decks down</td> <td>w/decks down</td> <td>@ 2" (5 cm) HOC</td> <td></td> </tr> </tbody> </table>	Height	Length	Width	Transport Width	Wheelbase	85" (216 cm) w/ROPS up	135" (343 cm)	136" (346 cm)	71" (180 cm)	55.5" (140 cm)	93.9" (237 cm) w/ cab	w/decks down	w/decks down	@ 2" (5 cm) HOC	
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93.9" (237 cm) w/ cab	w/decks down	w/decks down	@ 2" (5 cm) HOC													
WEIGHT	4205 lbs. (1907 kg) w/ full fluids (GM4000). 4759 lbs. (2159 kg) w/ full fluids (GM4010).															
SAFETY CAB (4010)	MODEL 30636: ROPS certified cab with heat, AC and the following standard features: climate system pressurized cab, heavy-duty pantograph front windshield wiper and washer, front windshield has 38" of visibility, interior mirror, fold away exterior side mirrors, molded front fenders, right and left doors and rear window have tinted (50%) glass, front and rear windows open, quick release window latches act as emergency exit, rubber sound isolator cab mounts and upholstered interior panels and headliner, textured neoprene floor mat, interior dome light.															
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2012) and applicable ISO EN 5395 (CE) (machine directive 89/392, 91/368, 93/44, 84/538, 89/336) requirements; Optional lights. Meets ANSI/ASAE 5279.12 (Lighting and Marking of Agricultural Equipment on Highways). Foldable ROPS, ISO 21299 certified.															
SOUND PRESSURE OPERATOR EAR**	<80 dB when GM4010-D models (30636 & 30635) have "Quiet Mode" activated by Toro Distributor.															
WARRANTY	Two-year limited warranty. Refer to operator's manual for further details.															
ACCESSORIES	Work light, Road lights consisting of dual taillights, dual headlights, slow moving vehicle sign, turn signal, flasher and lights; Sunshade Beacon															
CUTTING DECKS																
WIDTH OF CUT	Overall: 132" (335 cm), Front: 62" (157.5 cm), Wings: 42" (106.7 cm), Overlap: 7" (12.8 cm).															
MOWING RATE	Mows up to 11.0 acres/h (4.5 hectares/h) at 8.5 mph (13.4 km/h) (assumes no overlap or stops).															
CONSTRUCTION	Welded .100" (25 mm) steel with 7 and 10-gauge steel channel and plate reinforcements, bullnose bumpers.															
DECK DRIVE	Direct mounted hydraulic motor into spindle. Remaining spindle(s) driven by individual B section Kevlar belt. Quick release belt covers.															
HEIGHT-OF-CUT	1"-5" (25-127 mm) in 0.5" (13 mm) increments.															
SPINDLES	1.25" (3.17 cm) diameter spindle shafts, 9" (22.9 cm) diameter conical ductile iron housing, and 2 greaseable tapered roller bearings.															
BLADES	21.75" (55.2 cm) long, 2.5" (6.4 cm) wide, .25" (.64 cm) thick.															
CASTER WHEELS	8 x 3.50-4, 4-ply, smooth, pneumatic, sealed precision ball bearings.															
GROUND FOLLOWING	6" anti-scalp cups on each blade, adjustable skids on each deck, 4 anti-scalp rollers on front deck and 1 on each wing.															
WING PROTECTION	Bi-directional, impact absorption device on each wing deck.															
RECYCLER KIT	Model 30420 will convert decks into Guardian® Recycler® decks.															
MULCHING KIT	Model 30422.															
SKIDS	Reversible polymeric.															

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties. **Per EN ISO 5395: 2013

