

MEETING DATE: December 14, 2017

TITLE: Authorization to Purchase Water Monitoring Equipment

RESOLUTION NUMBER: 17-072

PREPARED BY: Yvette Christianson, Water Quality Manager

E-MAIL: YChristianson@minnehahacreek.org

TELEPHONE: 952-641-4514

REVIEWED BY: Administrator Counsel Dept. Director: Craig Dawson
 Board Committee Engineer Other: Kelly Dooley, WQ Manager

WORKSHOP ACTION:

<input type="checkbox"/> Advance to Board mtg. Consent Agenda.	<input type="checkbox"/> Advance to Board meeting for discussion prior to action.
<input type="checkbox"/> Refer to a future workshop (date):_____	<input type="checkbox"/> Refer to taskforce or committee (date):_____
<input type="checkbox"/> Return to staff for additional work.	<input type="checkbox"/> No further action requested.
<input checked="" type="checkbox"/> Other (specify): Recommend Approval	

PURPOSE or ACTION REQUESTED:

Authorization to purchase water monitoring equipment. The total cost of the equipment is not to exceed \$14,301.

PROJECT/PROGRAM LOCATION:

Watershed wide

PROJECT TIMELINE:

The equipment will be used year-round, but mainly during open water season.

PROJECT/PROGRAM COST:

Fund name and number: Research and Monitoring: Equipment and Supplies (500-5001-4570)

Requested amount of funding: \$14,301

Budgeted amount in 2017 work plan: \$38,400

Is a budget amendment requested? No

Is additional staff requested? No

PAST BOARD ACTION:

None.

SUMMARY:

MCWD's Research and Monitoring staff efficiently conducts the hydrologic monitoring and water quality analysis for the District, which involves reviewing and evaluating equipment on an annual basis. It is recommended once equipment reaches a 7-10 year lifespan, upgrades or replacement should be considered.

The most recent evaluation of the monitoring equipment reveals that two equipment items are near or exceeding this 7-10 year lifespan. Research and Monitoring staff is requesting to upgrade and replace both items (Attachments 1 & 2).

- Upgrade and replace the Flow Tracker 1 model to the Flow Tracker 2 model. This equipment measures discharge in streams. The current model is on its eleventh year, and the company that produces the instrument is offering a limited-time 10% discount on the newer model with a trade-in.
- Upgrade and replace a multi-parameter sonde (model: YSI 556) to the newer version, YSI ProDSS. This equipment measures the physical parameters of the water (i.e., temperature, dissolved oxygen, pH, and conductivity). The upgrade would replace the current sonde that is on its eighth year of field work. The company has stopped production of the YSI 556 model, so there are limited replacement parts available.

The sufficient funds are available in our 2017 workplan, which was approved by the Board of Managers. Staff is requesting approval to purchase the Flow Tracker 2 and the YSI ProDSS sonde to replace old equipment with the total cost not to exceed \$14,301.

RESOLUTION

RESOLUTION NUMBER: 17-072

TITLE: Authorization to Purchase Water Monitoring Equipment

WHEREAS, MCWD's Research and Monitoring staff efficiently conducts the hydrologic monitoring and water quality analysis for the District, which involves reviewing and evaluating equipment on an annual basis; and

WHEREAS, It is recommended once equipment reaches a 7-10 year lifespan, upgrades or replacement should be considered; and

WHEREAS, Research and Monitoring staff would like to upgrade and replace a Flow Tracker 1 to the Flow Tracker 2. The current model is on its eleventh year and the company that produces the instrument is offering a limited time 10% discount on the newer model with a trade-in; and

WHEREAS, Research and Monitoring staff would like to upgrade and replace a multi-parameter sonde (YSI 556) to the newer version, YSI ProDSS. The upgrade would replace the current sonde that is on its eighth year of field work, and this particular model is no longer in production; and

WHEREAS, Sufficient funds are available in Research and Monitoring's 2017 workplan, which was approved by the Board of Managers; and

NOW, THEREFORE, BE IT RESOLVED that the Minnehaha Creek Watershed District Board of Managers hereby authorize the District Administrator to authorize the purchase of water monitoring equipment for the cost not-to-exceed \$14,301.

Resolution Number 17-072 was moved by Manager _____, seconded by Manager _____.
Motion to adopt the resolution ___ ayes, ___ nays, ___ abstentions. Date: _____.

Secretary Date: _____

Q U O T A T I O N

Quotation From:

TECH SALES CO.
 311 W. 44TH STREET
 MINNEAPOLIS MN 55409
Ph: (612) 823-8238 **Fx:** (612) 823-4272

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Quotation For:

Minnehaha Creek Watershed
 15320 Minnetonka Blvd
 Minnetonka MN 55345
Ph: (952) 641-4514 **Fx:** (952) 471-0682

Quotation#: 2171470
Revision#:
Date: 11/27/17

Attn: Yvette Christianson **E-Mail:** ychristianson@minnehahacreek.org
Ref: SonTek Flow Tracker 2

Please Address Order To:

TECH SALES CO.
 311 W. 44TH STREET
 MINNEAPOLIS MN 55409

FOB: Factory
Shipment: 3-4 Weeks ARO
Salesman: Travis DeGroot
Validity: 30 Days
Terms: NET 30 DAYS

Item	Qty	Part#/Description	Unit Price	Total Price
1	1	ft2-hh Flow Tracker 2 Handheld Display Unit. The display unit has an IP67 waterproof rating and includes a color LCD Display, keypad interface, SmartQC quality control feature, 16GB internal memory, Bluetooth communication, internal GPS, USB interface, and cable, removable battery cartridge plus spare cartridge, 8AA alkaline batteries, and multi-language support. Includes case & manual (pdf).	4,650.00	4,650.00
2	1	ft2-2d FlowTracker2 probe assembly consisting of a 2D/3D side-looking 10 MHz ADV Probe (10cm distance to sampling volume) and signal conditioning/processing electronics with tilt sensor and auto-velocity range selection, mounted on a 1.5m cable with a compact 8-pin male wet-pluggable connector	4,130.00	4,130.00
		*****ADV Sensor w/ Depth Option*****		
3	0	ft2-2d-p FlowTracker2 probe assembly with pressure sensor, consisting of a 2D sid-looking 10 MHz AD probe and signal conditioning/processing electronics with tilt sensor and Auto-velocity Range selection, mounted on a 1.5-m cable with a compact 8-pin amle wet-pluggable connector	6,050.00	
4	1	ft2-er SonTek deluxe 2-piece top-setting wading rod, 4-ft, English increments in tenths of feet; includes bubble level, mounting brackets for FlowTracker2 Handheld Display unit and ADV sensor, and plastic shipping case for both rod and FlowTracker2	1,490.00	1,490.00
5	1	Trade-in Promotion Flow Tracker Trade-in Promotion. *Less 10% off all Flow Tracker 2's and accesories. *Only 1 Flow Tracker my be traded-in per new system purchased.	-1,027.00	-1,027.00
		***** CONTINUED ON PAGE 2 *****		

QUOTATION

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Quotation#: 2171470
Revision#:
Date: 11/27/17

Item	Qty	Part#/Description	Unit Price	Total Price
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*Promotion Expires December 20th.

Quote Total: 9,243.00

Prices shown do not include freight or sales tax. MasterCard/Visa payments are accepted but may be subject to a 4% surcharge. Please review this quotation and let us know if you have any questions.

By: Travis DeGroot

QUOTATION

Quotation From:

Page: 1

TECH SALES CO.
311 W. 44TH STREET
MINNEAPOLIS MN 55409
Ph: (612) 823-8238 Fx: (612) 823-4272

Quotation For:

Minnehaha Creek Watershed
15320 Minnetonka Blvd
Minnetonka MN 55345
Ph: (952) 641-4514 Fx: (952) 471-0682

Quotation#: 2171443
Revision#: 1
Date: 12/07/17

Attn: Yvette Christianson E-Mail: ychristianson@minnehahacreek.org
Ref: YSI ProDSS Accessories

Please Address Order To:

TECH SALES CO.
311 W. 44TH STREET
MINNEAPOLIS MN 55409

FOB: Factory
Shipment: 3-4 Weeks ARO
Salesman: Travis DeGroot
Validity: 30 Days
Terms: NET 30 DAYS

Item	Qty	Part#/Description	Unit Price	Total Price
1	1	626870-1 YSI ProDSS Handheld, No GPS.	1,467.00	1,467.00
2	1	626909-10 DSS-10 Meter 4 port Cable Assembly, No Depth.	1,656.00	1,656.00
3	1	626900 ProDSS ODO Optical Dissolved Oxygen Sensor	900.00	900.00
4	1	626903 ProDSS pH Sensor with Module	405.00	405.00
5	1	626902 ProDSS Conductivity and Temperature Sensor	630.00	630.00
			Quote Total:	5,058.00

Prices shown do not include freight or sales tax. MasterCard/Visa payments are accepted but may be subject to a 4% surcharge. Please review this quotation and let us know if you have any questions.

By: Yayao Moua for Travis DeGroot