

# Staff Report

**TO:** Board of Directors  
**FROM:** Steve L. Prosser, Jr., Director of Maintenance  
**DATE:** August 14, 2024  
**SUBJECT:** Purchase of a New, Replacement Excavator (Consent)

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## ***MAINTENANCE***

### **RECOMMENDATION:**

Adopt a resolution to approve the purchase of one (1) 2024 John Deere 200 G (23 ton) Track Excavator in the amount of \$290,216.93 from Papé Machinery in Sacramento, California, and authorize the General Manager to execute the appropriate documents.

### **BACKGROUND:**

This purchase will replace one (1) 1997 John Deere 200 LC Track Excavator (NID Asset #8580) with over 8,128 hours of operating time. Replacing this 27 year old Tier 0 unit with an emissions-compliant Tier 4 machine helps the District to meet strict on-/off-road diesel equipment regulations imposed by the California Air Resources Board (CARB) that require older, lower tier equipment to be phased out. The Tier 0 machine must be phased out by January 2025.

This type of equipment is operated year-round and plays a vital role in helping to maintain the District's raw water distribution system. Currently, the existing excavator is used to clean diversions and install/repair raw water pipelines. The new excavator will have the same capabilities, but is more reliable and meets the highest tier level. The new excavator will be assigned to the Grass Valley yard.

### **BUDGETARY IMPACT:**

When soliciting the Request for Quotation (RFQ), the Maintenance/Fleet Department requested quotes for both a new current production model (2024) excavator and used recent production model (2020 or newer) excavator. Prospective suppliers/vendors were given the option of providing bids on a new and/or used machine. The purpose of providing this option was to explore possible cost savings.

As part of the RFQ, the Maintenance/Fleet Department also offered an existing excavator as a trade-in on the new purchase, which resulted in lower total bid prices.

In reviewing and comparing the submitted quotations, it was determined that the cost savings was not enough to warrant purchasing a used machine over a new machine. A new machine is a better overall choice for the District, given the resale value and warranty.

While the 2024 Case excavator was the least expensive over the 2024 John Deere excavator (a difference of only \$3,565.65), the John Deere offered the most in meeting the requested specifications. Below is a comparison of the key components each excavator provides, which supports why the John Deere is the preferred machine:

2024 John Deere 200 G	20024 Case CX220E
Digging depth is 23'2" and exceeds the 22' minimum.	Digging depth of 21'9" and does <u>not</u> meet the 22' minimum.
Bucket breakout force is 28,552 lb and exceeds the 28,000 lb ISO minimum.	Bucket breakout force is 25,200 lb and does <u>not</u> meet the 28,000 lb ISO minimum.
Ground clearance under machine is 18" and meets the 18" minimum.	Ground clearance under machine is 16" and does <u>not</u> meet 18" minimum.
Included buckets and compaction wheel: \$ 5,345 for 24" 6,588 for 36" <u>12,267</u> for 24" \$24,200 (bucket replacement costs are also less)	Included buckets and compaction wheel: \$ 8,929 for 24" 10,819 for 36" <u>11,730</u> for 24" \$31,478
Trade-in on existing excavator is \$20,000.	Trade-in on existing excavator is \$12,500.
Delivery deadline is 09/15/2024.*	Delivery deadline is 10/31/2024.*
*Upon purchase award, the existing trade-in excavator will be taken out of service. The District will then need to rent a similar size excavator until delivery of the new machine. The cost to rent a similar size excavator is \$3,300 per week or \$9,700 per month. The difference in the delivery dates is 6-7 weeks at a cost of \$16,300-\$19,600.	

Attached hereto is a summary of the four (4) vendors that received the RFQ and the associated bid/quotation results.

**FISCAL IMPACT:**

The 2024 Maintenance Fund 15 Budget includes \$275,000.00 for this equipment replacement. The total purchase price of the 2024 John Deere 200 G Track Excavator is \$290,216.93, which exceeds the CIP budget line item by \$15,216.93. Therefore, a Budget Amendment is needed to transfer the cost savings from the Skip Loader purchase to the Excavator purchase within the Maintenance Department Capital Equipment budget account (15191-52904) as follows:

<b>Project / Purchase Name</b>	<b>Project #</b>	<b>Budget</b>	<b>Actual</b>	<b>(-) Cost Savings / (+) Overage</b>
Skip Loader (Replacement)	N/A	\$140,000.00	\$ 98,182.46	- \$41,817.54
Excavator (Replacement)	N/A	\$275,000.00	\$290,216.93	+ \$15,216.93
			<b>Net Cost Savings:</b>	<b>- \$26,600.61</b>

SLP/jjv

Attachments: (2)

- Final RFQ Results
- Draft Resolution Approving Purchase of a New, Replacement Excavator



# Nevada Irrigation District

## July 31, 2024 – Final RFQ Results for a Medium, Track Excavator, Inquiry Nos. 909-A (new) and/or 909-B (used)

Supplier/ Vendor and Item	Year/Make/Model	Taxable						Sales Tax on Subtotal (8.5%)	Non-Taxable					Total Quotation	Delivery Date
		Unit Cost	Dealer Fee	Optional 24" Bucket	Optional 36" Bucket	Optional Compaction Wheel	Subtotal		Optional / Extended Warranty(ies)	CARB EIN Registration	Delivery to NID in GV	Trade-In Credit	Predelivery Inspection (PDI)		

Papé Machinery – Selected Equipment and Supplier/Vendor																
New	2024 John Deere 200 G-Tier (23 ton) Excavator	\$ 257,875.00	\$ 70.00	\$ 5,345.00	\$ 6,588.00	\$ 12,267.00	\$ 282,145.00	\$ 23,982.33	\$ 4,089.60	Included	Included	\$ (20,000.00)	\$ -	\$ -	\$ 290,216.93	09/15/24
Used	2022 John Deere 200 G-Tier (23 ton) Excavator w/661 Hrs	\$ 218,787.00	\$ 70.00	\$ 5,345.00	\$ 6,588.00	\$ 12,267.00	\$ 243,057.00	\$ 20,659.85	\$ -	Included	Included	\$ (20,000.00)	\$ -	\$ -	\$ 243,716.85	09/10/24

Holt of CA																
New	2024 CAT 320 GC (25 ton) Excavator	\$ 259,711.00	\$ -	\$ 8,970.00	\$ 10,860.00	\$ 15,959.00	\$ 295,500.00	\$ 25,117.50	\$ 1,950.00	Included	Included	\$ (7,000.00)	\$ -	\$ -	\$ 315,567.50	08/20/24
Used	2022 CAT 320 GC (25 ton) Excavator w/455 Hrs	\$ 219,500.00	\$ -	\$ 5,790.00	\$ 7,750.00	\$ 6,540.00	\$ 239,580.00	\$ 20,364.30	\$ -	Included	Included	\$ (7,000.00)	\$ -	\$ -	\$ 252,944.30	08/20/24

Saba Holding Company, LLC dba Volvo Construction Equipment and Services																
New	2024 Volvo ECR235E (23 ton) Excavator	\$ 268,017.31	\$ -	\$ 4,885.00	\$ 5,345.00	\$ 12,995.00	\$ 291,242.31	\$ 24,755.60	\$ 3,000.00	Included	\$ 5,495.00	\$ (22,000.00)	\$ 1,000.00	\$ 4,000.00	\$ 307,492.91	09/13/24

Sonsray Machinery																
New	2024 Case CX220E (25 ton) Excavator	\$ 239,207.12	\$ 399.00	\$ 8,929.00	\$ 10,819.00	\$ 11,730.00	\$ 271,084.12	\$ 23,042.15	\$ 3,025.00	Included	\$ 2,000.00	\$ (12,500.00)	\$ -	\$ -	\$ 286,651.27	10/31/24



**RESOLUTION NO. 2024-28**  
**OF THE BOARD OF DIRECTORS OF THE NEVADA IRRIGATION DISTRICT**

**Approving the Purchase of New Replacement Excavator**

**WHEREAS**, the District currently owns one (1) 1997 John Deere 200 LC Track Excavator (NID Asset #8580) with over 8,128 hours of operating time, which is past its useful lifespan and needs to be replaced; and

**WHEREAS**, replacing the 27 year old Tier 0 excavator with an emissions-compliant Tier 4 machine helps the District to meet strict on-/off-road diesel equipment regulations imposed by the California Air Resources Board (CARB) that require older, lower tier equipment to be phased out by January 2025; and

**WHEREAS**, this type of equipment is operated year-round and plays a vital role in helping to maintain the District's raw water distribution system in cleaning diversions and installing/repairing raw water pipelines; and

**WHEREAS**, the Board of Directors adopted the 2024 Budget at its regular meeting on November 8, 2023 (Resolution No. 2023-49), which included \$275,000.00 designated for the purchase of this specific equipment.

**NOW, THEREFORE, BE IT RESOLVED**, by the Board of Directors of Nevada Irrigation District:

1. The Board of Directors hereby approves purchasing one (1) 2024 John Deere 200 G (23 ton) Track Excavator in the amount of \$290,216.93 from Papé Machinery in Sacramento, California, and authorizing the General Manager to execute the appropriate documents.

\* \* \* \* \*

**PASSED AND ADOPTED** by the Board of Directors of the Nevada Irrigation District at a regular meeting held on the 14<sup>th</sup> day of August 2024, by the following vote:

<b>AYES:</b>	Directors:
<b>NOES:</b>	Directors:
<b>ABSENT:</b>	Directors:
<b>ABSTAINS:</b>	Directors:

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President of the Board of Directors

**Attest:**

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Secretary to the Board of Directors