



# City of Needles, California Request for Board Action

CITY COUNCIL/NPUA  Board of Public Utilities  Regular  Special

**Meeting Date:** August 2, 2022

**Title:** Authorize the purchase of reconditioned transformers size 25 KVA to 750KVA pole and pad mounted, single and three phase not to exceed \$120,000 from T&R Electric

**Background:** Over the past two years the cost of materials and equipment has increased significantly. In addition, there is a market shortage causing longer than normal lead times on standard equipment. Below are cost comparisons for new vs. reconditioned transformers. The NPUA has historically purchased reconditioned pole/pad, single/three phase transformers from 25 KVA to 750 KVA. The cost savings is almost half the price of a new transformer and lasts about the same time period.

Staff is seeking approval to order 19 reconditioned transformers for approximately \$120,000 (including tax and shipping). The sizes range from 25 KVA To 500 KVA transformers needed in the inventory. The current lead time is estimated from 50 to 80 weeks from order date.

|              |            | Border States |     |           |              |  |
|--------------|------------|---------------|-----|-----------|--------------|--|
| Type         |            | Size          |     | Condition | Price        |  |
| Single Phase | Pole Mount | 37.5          | KVA | New       | \$ 6,150.00  |  |
| Single Phase | Pole Mount | 100           | KVA | New       | \$ 9,050.00  |  |
| Single Phase | Pole Mount | 50            | KVA | New       | \$ 10,175.00 |  |
| Single Phase | Pole Mount | 75            | KVA | New       | \$ 10,900.00 |  |
| Three Phase  | Pad Mount  | 300           | KVA | New       | \$ 34,050.00 |  |
| Three Phase  | Pad Mount  | 500           | KVA | New       | \$ 35,450.00 |  |
| Three Phase  | Pad Mount  | 750           | KVA | New       | \$ 43,900.00 |  |

|              |            | T&R Electric |     |               |              |  |
|--------------|------------|--------------|-----|---------------|--------------|--|
| Type         |            | Size         |     | Condition     | Price        |  |
| Single Phase | Pole Mount | 37.5         | KVA | Reconditioned | \$ 1,482.00  |  |
| Single Phase | Pole Mount | 100          | KVA | Reconditioned | \$ 3,080.00  |  |
| Single Phase | Pole Mount | 50           | KVA | Reconditioned | \$ 4,165.00  |  |
| Single Phase | Pole Mount | 75           | KVA | Reconditioned | \$ 4,775.00  |  |
| Three Phase  | Pad Mount  | 300          | KVA | Reconditioned | \$ 13,346.00 |  |
| Three Phase  | Pad Mount  | 500          | KVA | Reconditioned | \$ 15,564.00 |  |
| Three Phase  | Pad Mount  | 750          | KVA | Reconditioned | \$ 18,655.00 |  |

**Fiscal Impact:** \$120,000 to be covered by the electric department operations and maintenance costs. The FY23 budget is \$458,880.

*[Signature]* for Sm Sylvia Miledi



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**Recommended Action:** Authorize the purchase of reconditioned transformers size 25 KVA to 750 KVA pole and pad mounted, single and three phase not to exceed \$120,000 from T&R Electric.

**Submitted By:** Rainie Torrance, Assistant Utility Manager

**City Management Review:**

Rick

**Date:**

7/27/22

Approved:

Not Approved:

Tabled:

Other:

Agenda Item: 6.