



TOWN OF WESTON
DEPARTMENT OF
PUBLIC WORKS & FACILITIES

78 Old Hyde Road - Weston, CT 06883 - (203) 222-2662

October 17, 2024

School Water Supply Generator Replacement

The existing generator at the Pump House on School Road supplies backup emergency power to the water supply system. This generator supplies power to the well pumps, booster pumps, water treatment equipment and monitoring systems within the pump house. Recently during a weekly test mode, the generator was observed by BOE maintenance personnel spewing black smoke from its exhaust. DPW mechanics performed an inspection and noted the turbo-charger was seized and an internal leak was causing oil to enter the exhaust manifold. Due to the age of the generator, a costly repair that could be hindered by sourcing older parts, it is my recommendation to replace the generator. The planned replacement / upgrade to the pump and filtration station is entering its final stages. Engineering on a new station has been completed and cost estimates are being finalized. The new facility calls for an 80kW generator, transfer switch, mounting pad and electrical installation.

Replacement Options

1. Purchase and install in a temporary location new 80kW generator:
 - a. Price includes new generator, transfer switch (allowing for automatic generator start), new diesel fuel tank, all associated electrical equipment and concrete pad.
 - b. Total price: \$60,000

2. Lease a 25kW generator for 24 months (estimated timeframe for new facility to be online) (A&J Equipment rental)
 - a. \$1600 monthly (x 24 months = \$38,400)
 - b. \$250 delivery and removal fee (x 2 = \$500)
 - c. \$1500 electrician cost to connect generator to existing main feed
 - d. Note: Does not have an automatic transfer switch. Requires consideration, and possible compensation, of who will activate the generator during a power outage to be considered.
 - e. Total price: \$40,400 (not inclusive of potential overtime compensation for activating generator)

3. Note: United Rentals also quoted monthly lease for \$1850 per month.
 - a. Total price: \$46,400

From: Michael Imber <mimber@westonct.gov>

Sent: Thursday, October 17, 2024 17:55

To: Larry Roberts <lroberts@westonct.gov>

Cc: Karl Kilduff <kkilduff@westonct.gov>

Subject: Re: Generator Options

Thanks, Larry.

3 follow-up questions:

1. Ultimately, will we need a 80Kw generator?
2. How do we know?
3. Is there any expectation that the price of the 80Kw generator could move appreciably up in the future?

I will call a special BOF meeting for next week to consider this new information. Many thanks!

Michael Imber
Chairman
Board of Finance - Town of Weston, CT
mimber@westonct.gov

Larry Roberts

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To: Michael Imber

Cc: Karl Kilduff

Mon 10/21/2024 8:25 AM

Mike,

- Yes, ultimately the new facility load requirements call for an 80kW generator.
- Load calculations were performed by the engineering firm that designed the new facility.
- I don't see prices of generators increasing beyond normal inflationary influences.

Larry

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