



Case History - Cla-Val X143HP Hydro Power Generator Installation

Customer: Municipal Water District in Northwestern US

Location of Installation: Underground Vault
Pressure Reducing Valve Station

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Contact us for project references.

Application Description:

- The Sales Agent approached this customer to be a test site for the X143HP and learned that they had interest in installing a metering valve because their distribution was losing about 20% of their produced water
- Based on the application, 24 VDC power was required to run a metering valve but the site did not have power
- The site has an existing 10" 90-01 and 3" 90-01 Pressure Reducing Valves (PRVs) that could be utilized for the X143HP Power Generator installation
- Instead of adding an external meter at the PRV site, the 10" valve was retrofitted with an 133VF metering kit

Equipment Powered by the X143HP:

- Metering Valve

Project Notes:

- The valve retrofit and X143HP installation was completed in late January 2009
- The power generator has been running trouble-free since then, providing the necessary power to operate the metering valve, enabling the customer to diagnose their water loss issues and mitigate problems within their system



Reference Documents

If you are viewing this document digitally, click on any of the links below to view the reference documents. Otherwise, please visit our website at www.cla-val.com to gain access.

- [X143HP Engineering Data E-Sheet](#)
- [X143HP Application Overview M-Sheet](#)
- [133VF Engineering Data E-Sheet](#)

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X143HP Case History # 3
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