



FAIRBANKS MORSE

CASE:

CITY OF SABETHA POWER PLANT



Sabetha Municipal Power Plant Unit #6

- Add generation capacity
- One 12 cylinder FM 32/40 Engine

Add generation capacity to the power plant and assist with a turnkey RICE NESHAP compliance upgrade.

City of Sabetha Municipal Power Plant, Sabetha, KS

Profile

Power System: FM 12-Cyl Model 32/40

Installed: 2000

Fuel Type: Dual Fuel

Power Output: 4,620 kW

Power Need

The City of Sabetha Municipal Power Plant was looking to add generation capacity to the power plant. This city called on Fairbanks Morse to assist with this need. The city then called on Fairbanks Morse again to assist with a turnkey RICE NESHAP compliance upgrade.

Fairbanks Morse Solution

Fairbanks Morse answered the need with one 12 cylinder FM 32/40 dual fuel power system providing 4,620 kilowatts of power. This medium speed dual fuel engine provides a robust engine design with a low emission natural gas option. Having a dual fuel engine allows the City of Sabetha to seamlessly switch fuels to run on 100% diesel if the gas supply is interrupted.

To meet RICE NESHAP compliance, the Fairbanks Morse Engine Power Solutions group added combination catalyst/silencers, a new monitoring system, a crankcase vacuum system, and EPA compliance testing.

Result

The City of Sabetha is now equipped with eleven dual fuel generator units with a capacity of 18,000 kilowatts. During the peak summer months, the plant typically operates about 13,000 kilowatts. By adding the Fairbanks Morse power systems, the Sabetha Municipal Power Plant is now able to generate power and provide a cost savings to customers during peak seasons. The power plant is now in RICE NESHAP compliance with the additional hardware and testing.

For more information, please visit www.fairbanksmorse.com or email us at FM.Marketing@fairbanksmorse.com.

701 White Avenue
Beloit, Wisconsin 53511 USA
1-800-356-6955

FM.Marketing@fairbanksmorse.com

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