

Fuel Station Cost/Benefit Analysis

Joint Services - Mid Grade						
	2023 March Avg. Cost vs Avg. Cost Per Gallon 3/19/23	Total Gallons For Year	Total Cost For Year	Difference To Bid	Insurance Premium	Estimated 2023 Savings
Joint Services	\$3.022	169,985	\$513,694	\$0	\$4,336	
Kenosha, WI	\$3.627	169,985	\$616,535	\$102,841	\$0	\$98,505
State of WI	\$3.654	169,985	\$621,125	\$107,430	\$0	\$103,094
	2/28/24 Winning Bid vs Avg. Cost Per Gallon 2/19/24	Total Gallons 3 Year Avg	Total Cost For Year	Difference To Bid	Insurance Premium	Estimated 2024 Savings
Joint Services	\$2.997	185,178	\$554,979	\$0	\$4,839	
Kenosha, WI	\$3.558	185,178	\$658,865	\$103,885	\$0	\$99,046
State of WI	\$3.457	185,178	\$640,161	\$85,182	\$0	\$80,343
<i>2 Year Estimated Savings Capital Investment Payoff Based Of Kenosha, WI Avg - Fuel Alone - 7.09 Years</i>						
Joint Services Avg Cost In 2023 = \$3.013						
- At The Same 2023 Gallons For Year And A Lowered Kenosha Avg. To \$3.50; Estimated Savings Would Be \$78,447 Increasing The Capital Payoff To 8.92 Years Based On Fuel Alone						

Highway Dept - Mid Grade						
	3/15/23 Winning Bid vs Avg. Cost Per Gallon 3/19/23	Total Gallons For Year	Total Cost For Year	Difference To Bid	Insurance Premium	Estimated 2023 Savings
Highway Dept	\$2.897	137,347	\$397,839	\$0	\$5,747	
Kenosha, WI	\$3.627	137,347	\$498,158	\$100,318	\$0	\$94,571
State of WI	\$3.654	137,347	\$501,866	\$104,027	\$0	\$98,280
	3/07/24 Winning Bid vs Avg. Cost Per Gallon 3/12/24	Total Gallons 3 Year Avg	Total Cost For Year	Difference To Bid	Insurance Premium	Estimated 2024 Savings
Highway Dept	\$2.815	106,426	\$299,557	\$0	\$6,414	
Kenosha, WI	\$3.732	106,426	\$397,182	\$97,625	\$0	\$91,211
State of WI	\$3.670	106,426	\$390,583	\$91,026	\$0	\$84,612
<i>2 Year Estimated Savings Capital Investment Payoff Based Of Kenosha, WI Avg - Fuel Alone - 7.54 Years</i>						
Highways Avg Cost In 2023 = \$2.978						
- At The Same 2023 Gallons For Year And A Lowered Kenosha Avg. To \$3.50; Estimated Savings Would Be \$65,948 Increasing The Capital Payoff To 10.61 Years Based On Fuel Alone						

*Average Cost Per Gallons for Kenosha and State provided by AAA ("Triple A") Data

****Additional cost savings not reflected within the analysis is administrative tracking of vehicle maintenance requirements. Current fuel systems log mileage per fuel up and download into our maintenance software. This otherwise would need to be kept manually by vehicle driver recording odometer readings after each shift or shop personnel manual inputting from fuel receipt, as well as, manual upkeep/notifications of service required (current system automatically prioritizes/notifies).**

Cost/Benefit Analysis:

1. Cost Savings:

Volume Discounts: Buying fuel in bulk often leads to discounts per gallon, resulting in cost savings over time compared to purchasing from an outside vendor at retail prices. (Shown above)
Reduced Delivery Costs: Eliminating the need for frequent deliveries from outside vendors can reduce delivery fees and associated costs.

2. Operational Efficiency:

Time Savings: Having an onsite fuel storage tank eliminates the time spent traveling to and waiting at external fueling stations, allowing deputies, highway, etc. vehicles to remain in service longer.
Reduced Downtime: Minimizing travel time to refuel means less downtime for vehicles, enhancing operational efficiency.
Reduced Maintenance: Minimizing travel time reduces wear and tear while reducing the risk of a property loss claim

3. Control and Security:

Quality Control: The municipality can ensure the quality and integrity of the fuel stored onsite, reducing the risk of contaminated or adulterated fuel.
Security Measures: The municipality can implement security measures, such as surveillance cameras and access controls, to safeguard the onsite fuel storage tank against theft and vandalism.

4. Emergency Preparedness (KC Generator Backup):

Resilience/24/7 Access: During emergencies or natural disasters, having an onsite fuel storage tank ensures that essential vehicles remain fueled and operational, supporting critical response efforts.
Continuity of Operations: With an onsite fuel supply, the municipality can maintain essential services without disruptions, even if external fuel vendors are unavailable.

5. Environmental Considerations:

Reduced Emissions: Minimizing vehicle travel to refuel reduces carbon emissions and contributes to environmental conservation.
Spill Prevention/Liability Claim Avoidance: Proper storage and handling of fuel onsite can reduce the risk of spills and environmental contamination, where a liability claim would be created instead of a property claim, which can result in expensive fees

Other Points:

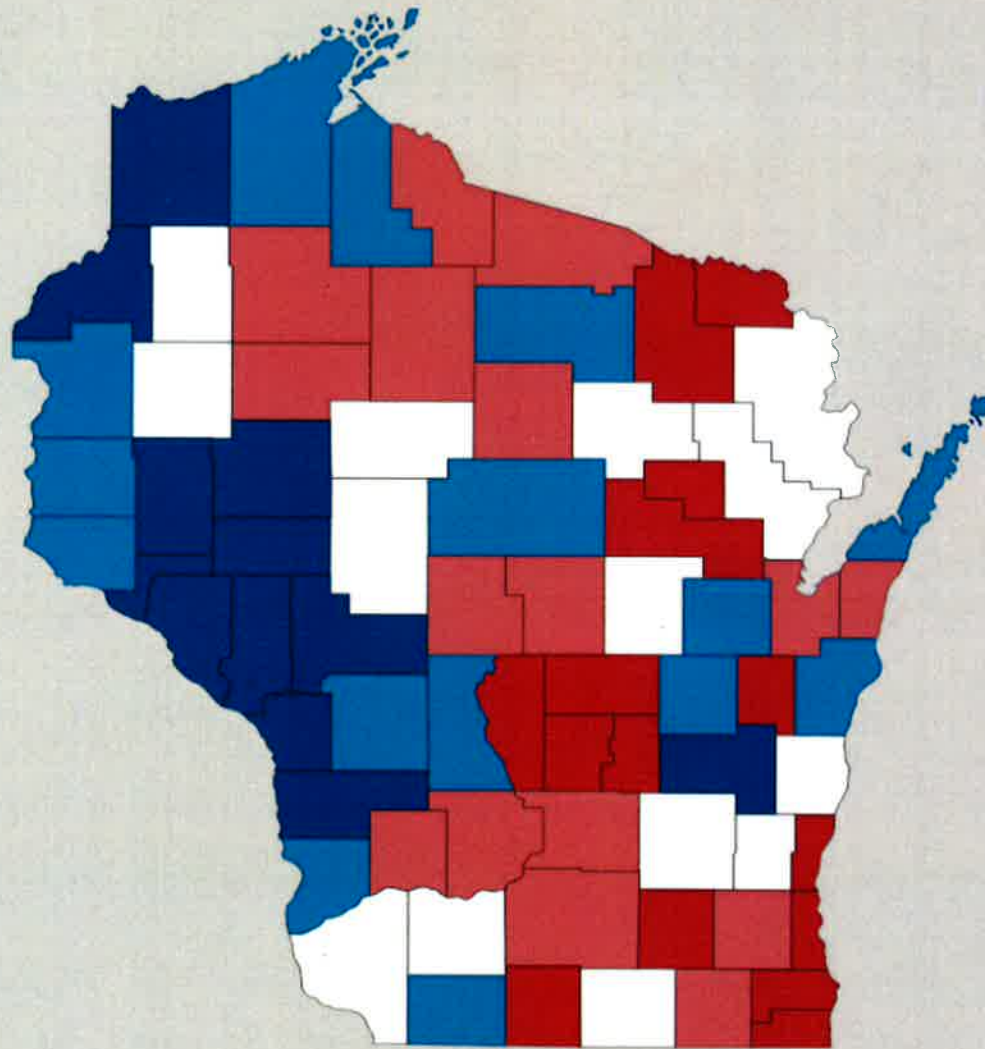
1. Customization: The municipality can tailor the onsite fuel storage tank to its specific needs, such as capacity and location, optimizing its utility for the sheriff patrol force and highway division fleet.
2. Long-Term Investment: While there may be upfront costs associated with installing an onsite fuel storage tank, it represents a long-term investment that can yield significant cost savings and operational benefits over its lifespan.
3. Regulatory Compliance: By managing its own fuel storage, the municipality can ensure compliance with relevant regulations and standards governing fuel handling and storage, reducing the risk of regulatory penalties.
4. Autonomy and Flexibility: Independence from external vendors provides the municipality with greater autonomy and flexibility in managing its fuel supply, responding promptly to operational needs and fluctuations in fuel prices.
5. Community Impact: Demonstrating responsible stewardship of resources, including fuel management, enhances the municipality's reputation within the community and among stakeholders.

Maintaining an onsite fuel storage tank for a sizable sheriff patrol force and highway division fleet offers numerous advantages in terms of cost savings, operational efficiency, control, security, emergency preparedness, environmental considerations, and other factors, making it a compelling investment for long-term sustainability and effectiveness.



Today's AAA
National Average
\$3.489 ▲
Price as of
3/19/24

Today's AAA
Wisconsin Avg
\$3.330 ▲
Price as of
3/19/24



County Retail Prices

	3.422 to 3.372
	3.371 to 3.349
	3.348 to 3.327
	3.326 to 3.268
	3.267 to 3.086

County average gas prices are updated daily to reflect changes in price. For metro averages, [click here](#).



* SOUTHEAST WI RECORDS IN THE TOP END FOR RETAIL PRICES



GAS PRICES

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WISCONSIN AVERAGE GAS PRICESⁱ

	Regular	Mid-Grade	Premium	Diesel
Current Avg.	\$3.330	\$3.762	\$4.202	\$3.785
Yesterday Avg.	\$3.321	\$3.750	\$4.189	\$3.754
Week Ago Avg.	\$3.220	\$3.670	\$4.098	\$3.744
Month Ago Avg.	\$3.022	\$3.457	\$3.900	\$3.768
Year Ago Avg.	\$3.247	\$3.654	\$4.089	\$3.881

HIGHEST RECORDED AVERAGE PRICE

	Price	Date
Regular Unleaded	\$4.923	6/12/22
Diesel	\$5.524	6/25/22

WISCONSIN METRO AVERAGE PRICES ⓘ

Sort A-Z ▼

Expand all | Collapse all



Appleton >



Eau Claire >



Fond du Lac >



Green Bay >



Janesville-Beloit >

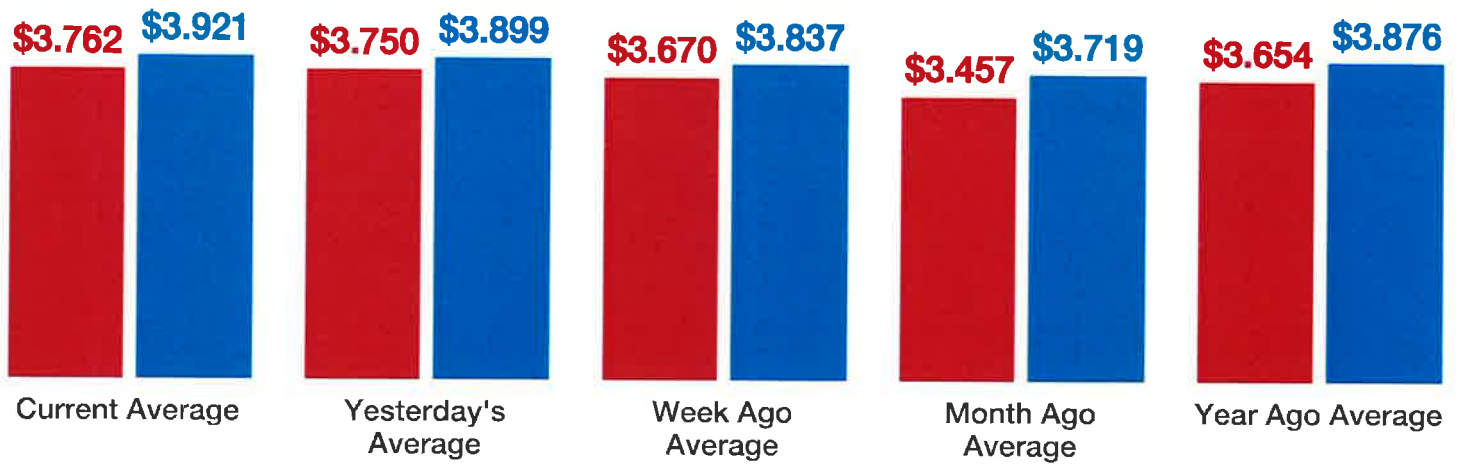


Kenosha County >

	Regular	Mid	Premium	Diesel
Current Avg.	\$3.396	\$3.861	\$4.260	\$3.787
Yesterday Avg.	\$3.364	\$3.811	\$4.225	\$3.787
Week Ago Avg.	\$3.243	\$3.732	\$4.095	\$3.771
Month Ago Avg.	\$3.046	\$3.558	\$3.948	\$3.807
Year Ago Avg.	\$3.142	\$3.627	\$3.920	\$4.244

HIGHEST RECORDED AVERAGE PRICE

	Price	Date
Regular Unleaded	\$5.192	6/8/22
Diesel	\$5.621	6/23/22



MID GRADE

RED = WISCONSIN

BLUE = NATIONAL