



**TWO
RIVERS**
WISCONSIN

FIRE DEPARTMENT

2122 Monroe Street
Two Rivers, WI 54241



Capital Improvement Plan

Project # 2024-1

Project: Replace Fire Department 1995 Pierce Saber Fire Engine 8

Description: Replace Engine 8 and move 2006 Pierce Enforcer Engine 10 to reserve/secondary engine status.

Justification

The City of Two Rivers Fire Department is requesting authorization to proceed with replacing and retiring the existing reserve fire engine 8. Engine 8 is a 1995 Pierce Saber that has served the city of Two Rivers for 30 years. This 30 years of service is 15 years past National Fire Protection Association (NFPA) standards for replacement.

When Engine 8 is replaced in 2026 (anticipated delivery year for new engine), TRFD engine 10, a 2006 Pierce Enforcer, will move into reserve status for the TRFD for the next 14 years. Throughout the existence of the TRFD, engines and ladder trucks has always been replaced after at least 30 years of service.

The TRFD has always operated with two engines and a ladder truck to provide for fire operations, life safety and meet expectations of the citizens of Two Rivers. Having at least two fire engines, one first line and one reserve or back up is standard practice in comparable and smaller volunteer/career fire departments across the nation. Not replacing engine 8 would result in serious life safety issues, operational issues and the TRFD would not be able to meet the expectations of the public.

An engine purchasing committee was assembled in 2023 with a goal to replace engine 8 with an engine that would meet the needs of the TRFD at the same time considering financial weight of the recommended purchase. The committee sought out and received six quotes from four engine manufacturers. Quote received ranged from \$1,061,244.62 to \$889,931.17. At the end of this process the committee recommended purchase of a Pierce Saber engine from a WI based manufacturer. The recommended quote for this engine was the lowest proposal received, at a quoted price in November



www.two-rivers.org/fire



920.793.5521





**TWO
RIVERS**
WISCONSIN

FIRE DEPARTMENT

2122 Monroe Street
Two Rivers, WI 54241



2023 of \$835,694.72. This price doesn't include required loose equipment (\$49,075.71) or any prepayment rebates. Any prepayment would need to be received by dealer within 90 days of the purchase order. Since November the price has increased due to NFPA mandates starting January 1st, 2024. The updated price is \$840,855.46. This price doesn't include required loose equipment (\$49,075.71) or any prepayment rebates. Any prepayment would need to be received by dealer within 90 days of the purchase order. Delivery of this engine would be 28 months from time of order.

It is very important to note the quoted price of this engine would increase based on payment plan and length of time to signing commitment of purchase. Current economy has shown that fire engines are in high demand and manufacturers are significantly increasing prices day by day. For reference TRFD ladder 11 was purchased for 1.2 million dollars in 2022; that same ladder would cost 1.8 to 2 million dollars in today's market.

Another thing to consider is that the Federal government is mandating a new, unproven engine technology for all fire trucks in the very near future. This new mandated engine would substantially increase the price of a new engine. It would also result in our department investing in an engine with this new technology in its very first year of existence—something we would prefer to avoid.

That is why it is recommended to take action and commit as soon as possible to purchase this needed replacement engine with the least financial impact to the taxpayers. This is a 30 year investment in life safety and sustaining fire protection the citizens of Two Rivers expect. I have reached out to numerous Wisconsin fire departments, and they are facing similar budgetary/operational impacts in today's current manufacturing state and economy.

Research has been completed and below are the answers to questions I have been asked by council members and taxpayers regarding replacing engine 8.

Can engine 8 be remounted?

No, based on current safety regulations and NFPA standards, it would not be an option to remount.



www.two-rivers.org/fire



920.793.5521





**TWO
RIVERS**
WISCONSIN

FIRE DEPARTMENT

2122 Monroe Street
Two Rivers, WI 54241



Why not buy used?

- Very few options available to meet the needs of the TRFD
- With the cost of new engines, there are relatively few “good used” engines on the market
- Length of service greatly decreased
- Aging fleet of engines would increase maintenance costs
- Dependability
- Unknown mechanical issues
- Operational issues with different engine platforms
- Compatibility issues with current equipment
- Life safety concerns
- Increased chance of both reserve and front-line engines out of service
- Increased liability
- Temporary fix

Why not just have one engine and no reserve?

- Serious life safety concerns not only with citizens but firefighters as well
- Not the current standard
- Not past practice
- Not sustainable
- Unreliable response to fire/rescue calls
- Would not meet expectations of the public
- Increased risk to life and property
- Increased ISO rating which in turn increased insurance cost to taxpayers
- If engine is out of service, ladder would be only front line fire apparatus. This greatly hampers fire
- Operations due to difference between engine/ladder operations and
- The TRFD would have to rely heavily on the ability of mutual aid from area fire departments
- Multitude of life safety concerns
- Would not be able to train in fire operations to maintain firefighting skills



www.two-rivers.org/fire



920.793.5521





**TWO
RIVERS**
WISCONSIN

FIRE DEPARTMENT

2122 Monroe Street
Two Rivers, WI 54241



I would like to thank the council in advance for considering this information when making the decision to replace engine 8.

I can be reached anytime at 920-901-3810 with any further questions/comments/concerns.

Thank You,

David Murack

Fire Chief



www.two-rivers.org/fire



920.793.5521

