

Construction of New Fire Hall



**EEL BROOK
& DISTRICTS
FIRE DEPT.**

History

- The Eel Brook & District Fire Department was formed in the early 1950's after a fire at the local service station.
- Hall constructed in the mid 50's and has been renovated several times to accommodate new apparatus as acquired.
- Today the department has grown to 30 proud members and continues to attract new members
- We service 20 km of the Hwy 103, schools, commercial structures ,churches, seniors complexes, government offices, and residential properties.
- We are the most central department in the municipality and therefore respond to mutual aid calls for almost all other departments within it.
- Today's fire service do more than ever. Not only do we fight fires; we also respond to motor vehicle collisions; medical calls, as medical first responders; performing traffic control duties; and are almost always the first line of defence and protection for any hazardous materials incidents.

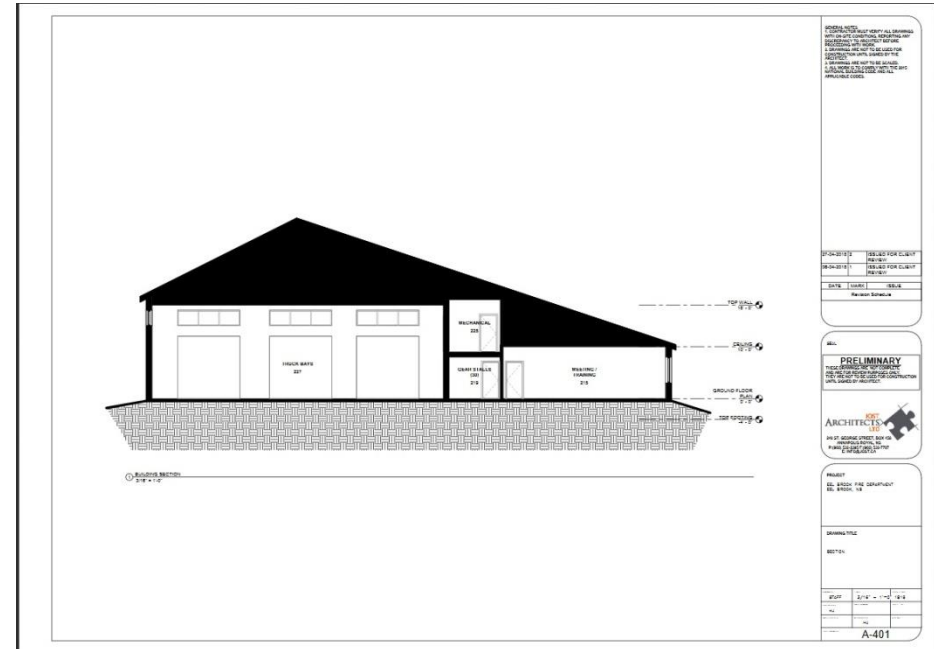
Present Location and Issues

- Currently there is only enough room to fit our apparatus in our existing building.
- There is no space available for training.
- No space is available for meetings or confidential conversations.
- There are no washroom facilities.
- There is no septic system or enough land to have one installed.
- The existing building is losing its structural integrity.
- The cost to make repairs to increase the efficiency and make the building somewhat air tight would be tremendous.
- No land to expand present location.
- No parking for firefighters



New Building

- Life expectancy 125 + years compared to 50 years for steel buildings.
- Energy efficiency ICF construction can reduce energy costs for heating and / or cooling by up to 70%.
- Additional construction cost payback time averages 6.6 years due to the increased energy efficiency.



Future Cost of Building

Inflation Calculator

This calculator helps determine the buying power of a dollar over time in the United States

\$1,000,000 in 2019 will be worth **\$3,437,109** in 2069

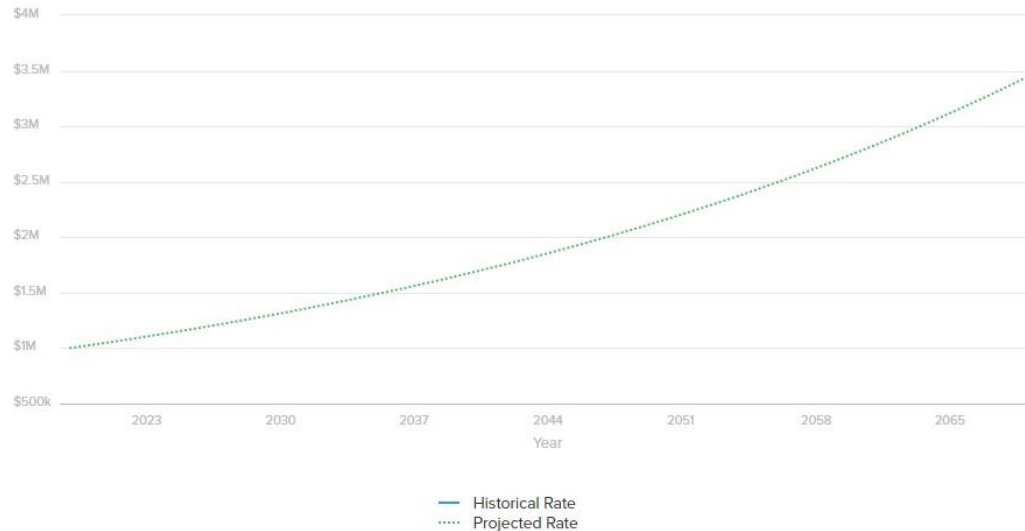
Maximum value is 1,000,000
[Dismiss](#)

Using an inflation rate of 2.50 % from 2019 to 2069.

This is an average inflation rate of 2.50% and cumulative inflation of 243.71%.

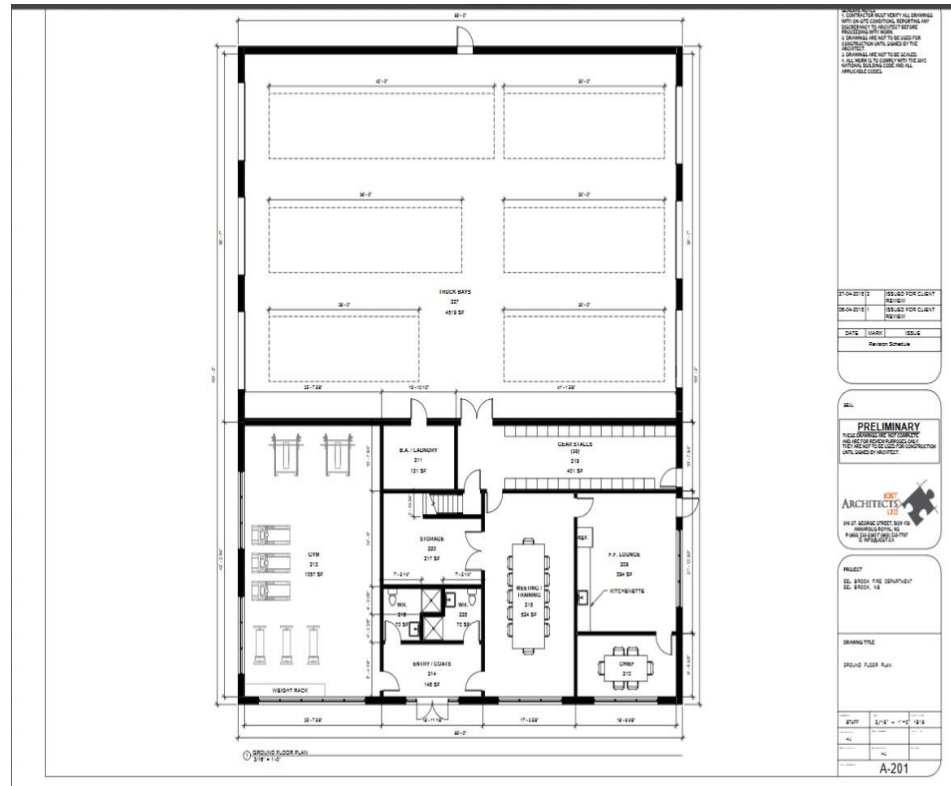
Value of a Dollar Over Time

The following chart shows the change in value of \$1,000,000 from 2019 to 2069. A projected inflation rate of 2.5% was used to calculate values from 2020 to 2069.



Layout of New Building

- Fitness centre – If enough funding can be secured we propose to include a fitness centre in the new fire hall. This would be made accessible to the community and would provide a great resource for the entire area.
- Meeting room- the floor plan includes a meeting room which would be used by the fire department members to hold meetings and provide training.
- Comfort centre – The addition of showers, washing machine hookups and a small kitchen would be very beneficial to the public in cases of severe weather, drought, power outages and other large scale incidents. These could all be made accessible to the public during times of need.
- Officers Office – The addition of an office space for use by the officers, treasurer and secretary. This would allow us the opportunity to be more organized and have all department information stored in the appropriate place.
- Fireman's lounge – This additional space would give members of the department a much deserved space to gather.
- The layout of the apparatus floor proposed would allow much more room between apparatus. This will make it much safer to move between them.



Future Challenges

- Age of fire apparatus, replacement requirements
- No additional funds will be available to expand our safety equipment for items such as decontamination equipment and clean space equipment which is becoming an increasingly significant issue amongst the fire service due to the ever increasing risk of cancer among firefighters.

	Vehicle	Current age	Age in 10 years
Tanker 1	2004 Ford F750	15 years	25 years
Engine 2	1986 GMC C6500	33 years	43 years
Engine 3	1999 GMC Top kick 8500	20 years	30 years
Rescue 4	1988 GMC 700	31 years	41 years

Request for Funding

- We are requesting council to match our present investment of \$406,529.38.

Cost to construct	\$ 2,006,441.80
Funds from ACOA	\$ 500,000.00
Funds from Municipality	\$ 406,529.38
Funds from Department	\$ 406,529.38
Fundraising	\$ -
Total funds needed	\$ 693,383.04

Break down of debt of \$693,383.04

Amortization	Payment	Annual Payment	Rate needed	Existing Rate	Increase
10	\$ 7,337.64	\$ 88,051.67	8.76	7.5	1.26
15	\$ 5,466.40	\$ 65,596.80	6.53	7.5	-1.03
20	\$ 4,559.02	\$ 54,708.24	5.44	7.5	-2.06
Interest Cost		Cost savings	per year savings		
\$ 399,742.34	20 yrs cost	\$ 212,691.99	\$ 21,269.20		
\$290,141.75	15 yrs cost	\$ 103,091.40	\$ 20,618.28		
\$187,050.35	10 yrs cost	\$ -			
Rate per cent					
\$ 10,048.00	\$ 75,360.00	7.5 Cents			

Thank you

