



## South Fraser Community Rail Society

*"Bringing you Rechargeable Battery Electric Rail to the Fraser Valley"*



# "Breaking News" – Battery Electric Rail (BEMU)

Major advancements in Passenger Rail Battery Technology have led to a cost-effective, workable and readily available option for the reactivation of the 99 KM Interurban, from the Scott Road SkyTrain Station to the City of Chilliwack. A perfect solution for inter-regional Passenger Rail Public Transit.

While hydrogen remains a significant option for powering future public transit projects, the industry, in B.C. and Canada, is in the early commercialization or "development" phase. The (Rechargeable) on-going advances in battery technology have led to a battery electric option being "in production" and readily available. This is very positive news for our project:

### The Stadler Battery Electric Multiple Unit (BEMU) offers:

- **Significantly Higher Energy Efficiency** – BEMU @ 85% – 90% / Hydrogen 60% - 70%
- **Lower Total Cost to purchase and operate** – BEMU 35% less than Hydrogen
- **Reduced Maintenance and Complexity** – Hydrogen more complex to maintain.
- **Established Infrastructure / Lower Fuel Cost** – Recharge from existing infrastructure.
- **Lower Operational Emissions** – More sustainable when paired with a green power grid.
- **Immediate Availability of Technology** – Mature Tech. / widely adopted electric cars/buses.

**Summary:** Battery Electric Technology is the more "economically and operationally efficient" choice for branch-line and regional / interregional travel. They are in operation or being put into operation throughout the UK, Europe, Asia and the USA.

Sincerely,

**WR (Rick) Green** Pres. South Fraser Community Rail Society (former Mayor Township of Langley, Delta Alderman, Metro Van. Dir., TransLink Council and MFA member)

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