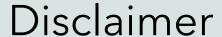


Canadian Fuels Association Innovation Forum October 29, 2024

Today's ask: would you be willing to trial The Energy Bridge solution at your retail stations?



The ideas presented are notional ideas as part of the Avatar Studio program and in no way represent any other organizations.



The Energy Bridge Team



Arlo Sutherland, P.Eng, MBA
16 years of blended techno-economics
Chemical Engineer & DAC Specialist



Dr. Anne Pratoomtong, Ph.D.18+ of engineering & research experience

Electrical Eng Ph.D., Data Science M.S.



Kehl Snyder, P.Eng 8+ years energy transition consulting

CCS Project Engineer



Caryn Liberman, P.Eng14 years in environmental engineerin

Environmental policy and stakeholder engagement

Canada has one of the highest per capita carbon footprints at ~14 tonnes per year CO2

Motorized private transport is the highest component at ~4 tonnes per year CO2

How much would you be willing to pay to offset your emissions per fill?

\$0, \$5?, \$10, \$25, \$50?







- **✓ Empowerment**
- **✓** Community





Where could you purchase offsets today?

Business	\$CDN /tonne CO2e	Program Format	Other Features	
Air Canada Offsets	27	Option at time of ticket purchase	Option for book and claim SAF purchase	
Karbon X	14	Subscription starts at \$9.49/month	Educational platform and blog84% of fees directed to offset projects	
Terra Pass	23	Subscription starts at \$10.37/month	Mixture of nature based CDRs and renewable energy projects	
Bullfrog Energy	550	Subscription starts at \$32.35/month	Green fuels purchased on customers behalf (repurposed waste from food manufacturing)	
CDR Developers (i.e., Climeworks)	1,500	Subscription starts at \$30.00/month	 Removals within 6 years of purchase Adopting blended credits (NBS+CDR) 	











What is market research telling us?

- Conducted a survey to represent the population of Canada with a 95% confidence interval and 3% margin of error
- 28% of respondents are willing to pay \$5 or more per fill towards offsetting their personal vehicle emissions

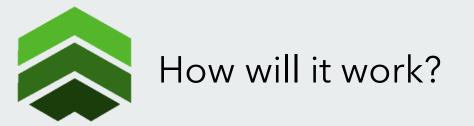




What is market research telling us?

• Likelihood of paying \$5 or more was highest for participants between **18 to 24 years of age (59**%)

	Annual Household Income (\$CAD)						
Age	Less than \$25,000	\$25,000 to \$75,000	\$75,000 to \$125,000	\$125,000 to \$200,000	>\$200,000		
18 to 24	18%	47%	68%	50%	33%		
25 to 34	20%	34%	42%	19%	75%		
35 to 44	23%	32%	37%	52%	29%		
45 to 54	11%	23%	29%	20% Focu	Focus Market		
55 to 64	22%	19%	28%	27%			
65 or over	11%	18%	30%	26%			



Try It Out

No Account Needed

Consumers with limited knowledge of carbon offsets and sustainability

Occasionally buy eco-friendly products

Hesitant to pay a premium, can be influenced by attractive incentives or discounts

Hit the "easy button"

Consistent Monthly Membership

Has a basic understanding of carbon offsets and is looking to learn more

Starting to develop an interest in ecofriendly choices

Open to affordable memberships

May prioritize behavioural changes

Detail Oriented

Knowledge

Savvy consumer has a strong understanding of carbon offsets

Value transparency and meaningful contributions

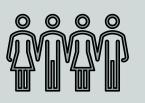
Commonly purchase eco-friendly products



Other app features

How do I stack up?









Challenges



Incentives



Compare
gasoline usage
trends and
offsetting with
others in your
community, city
or country

Users can connect with friends & build networks of like minded ecoconscious users Partner with a podcaster or YouTube star to generate content and share advertising

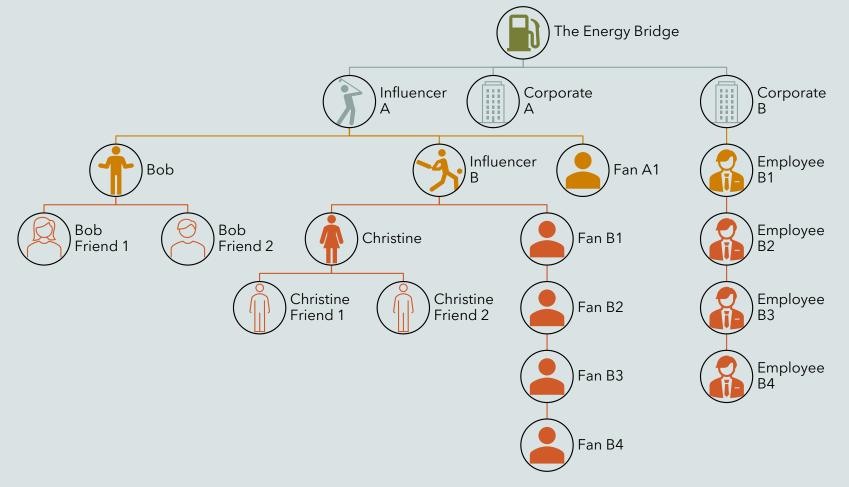
Offer exciting challenges (i.e., watch educational content, contribute to a specific cause) to earn increased points for a limited period of time

Discounts:

- EV Chargers
- Home Solar
- Uber Green
- Retail Rewards



Networking incentives to increase adoption & brand loyalty



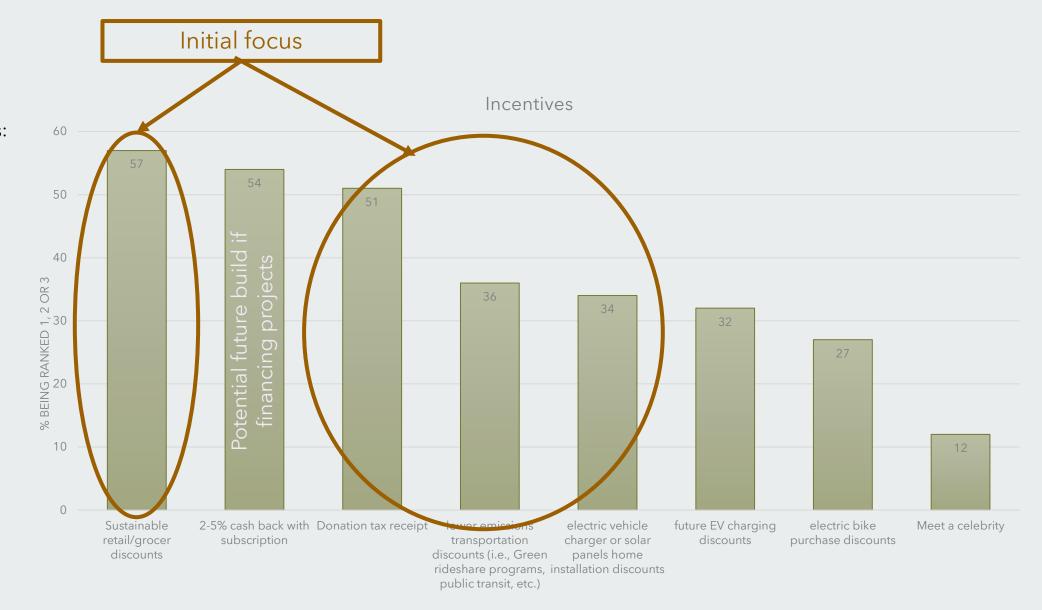
- People feel helpless in the Energy Transition
- What if we had an incentive program to "Own a part of the Energy Transition"?



Compelling incentives that further emissions reductions

Market survey results:

- Clear consumer preference for discounts with immediate benefits (i.e., groceries, tax return, cash)
- Secondary reducing future costs





November 2024

Avatar Demo Day Pitch

Mobile app soft launch
Build marketing
campaign

Design and build
expanded app features

December 2024 -April 2025

Mobile app and brand development Build incentives program September 2025

Mobile app official launch



Top 5 Takeaways

- 1. The Energy Bridge will provide consumers with a fun, accessible and affordable mechanism to offset their gasoline emissions
- 2. Discounts designed to **incentivize continued participation** in the program and further emissions reductions
- 3. Initial market research indicates **28% of respondents** are willing to pay **\$5 or more per fill** towards offsetting their personal vehicle emissions
- 4. With 1% of Canadian participating will result in an annual CO2 reduction by 0.8Mt/year
- 5. The app is being built now... are you in?