## Dramatically reducing Cost, Time and Logistics effort

"The most effective Emergency Management activities are proactive prevention and mitigation measures."

"The return-on-investment for these activities,....would generate savings of \$6 for every \$1 invested in prevention."

Source: EMERGENCY MANAGEMENT STRATEGY FOR CANADA: TOWARD A RESILIENT 2030 - Public Safety Canada 2019

CUMULATIVE COST SAVINGS OVER MULTIPLE FLOOD EVENTS		
(100m x 0.75m protective wall)		
	10,150 Sandbags - Cumulative total*	14 x FDS2 barriers - Cumulative total**
2 events	\$107,558	\$81,459
% saving		24%
3 events	\$161,337	\$84,344
% saving		48%
4 events	\$215,116	\$87,229
% saving		59%

\* Costs include: Materials, sand, labour, transport, sand removal (toxic waste disposal costs not included)

\*\* Costs include: Set up, tear down, transport, cleaning and stowing

Data sources include: US Army Corps of Engineers< North Dakota University, local supplier quotes



Significantly reduced costs, greatly increased protection, faster recovery, time after time