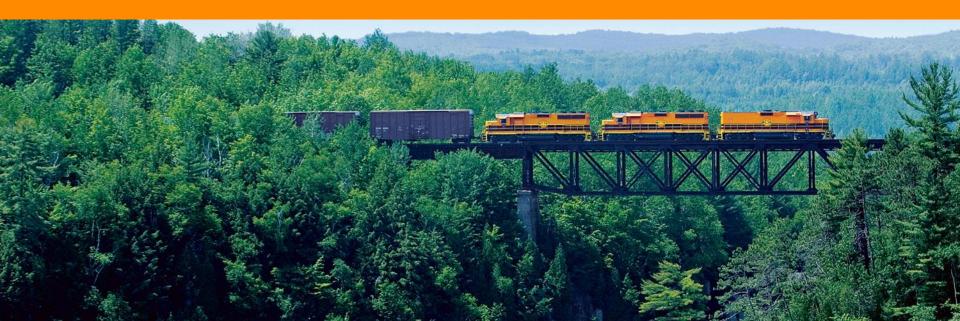
Genesee & Wyoming



Louis Gravel, President Genesee & Wyoming Canada Inc.

National Railway Day – Nov. 7th, 2017



Agenda

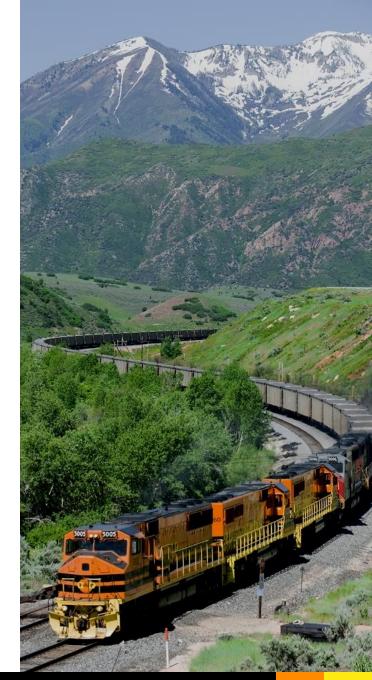
- Company Overview
- Historical Safety Facts
- Our Safety performance
- Our Safety program
- Outreach Activities



Schefferville, April 2017



- NYSE: Listed as GWR
- Railroads: 122 railroads with ~16,000 track miles (80% North America; 20% Australia/Europe)
- **People:** 8,000
- Customers: 3,000
- Equipment: 1,350 locomotives
- Carloads: ~3.4 million annually



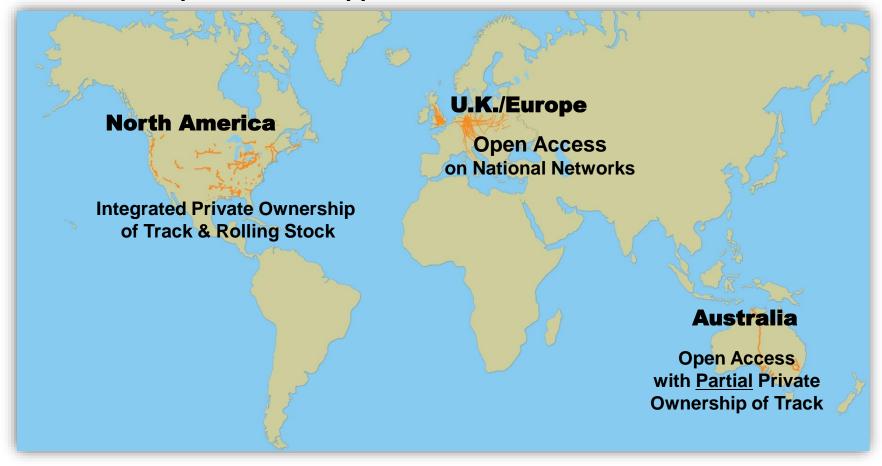
Our Core Purpose

To be the safest and most respected rail service provider in the world.



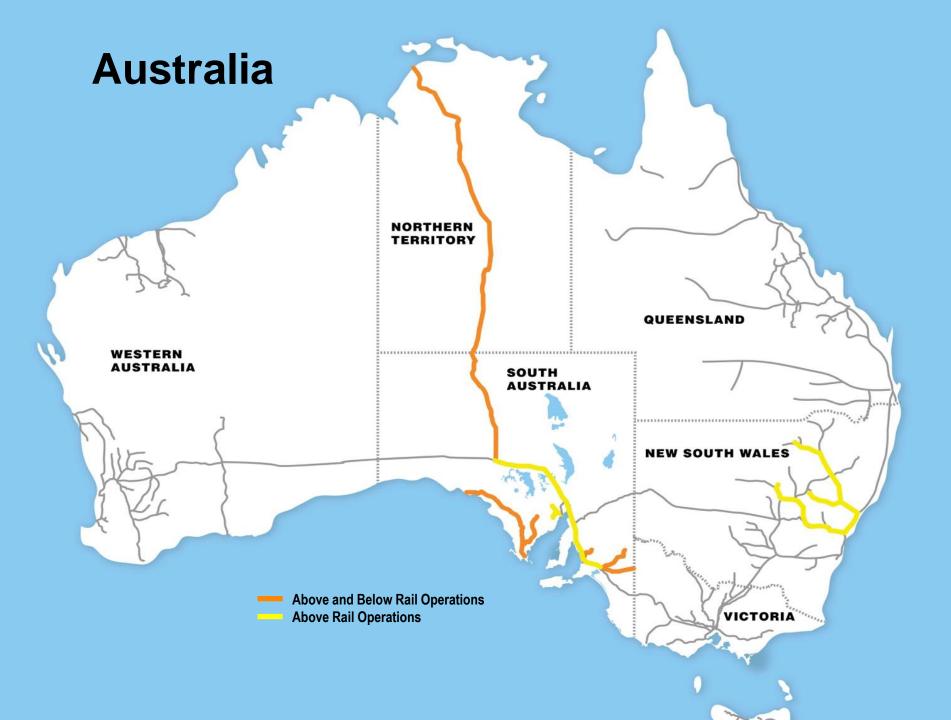
G&W's Decentralized Operating Philosophy

10 Regions on 3 continents with strong local management backed by centralized corporate staff support



Our local focus is key to G&W's strong safety and customer-satisfaction results







CANADA REGION



KL

WLRS

Health & Safety through time





Then & Now

1880's in the USA



- 820 000 workers in the railway industry
- 30,821 deaths and serious injuries
 - Between 1877 and 1887, 38% of ALL rail workers accidents were associated with coupling and uncoupling





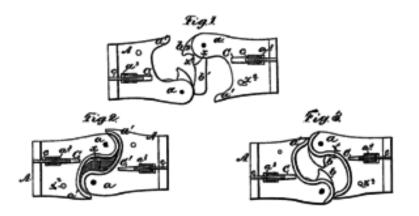
Demonstrating Link & Pin Coupling

Link & Pin Coupler



Federal Safety Appliance Act of 1893

 The law required, among other things, the railroads to install air brakes and automatic couplers on all trains.





The Janney Coupler

Invented by Eli H. Janney, who received a patent in 1873. Now known as the, AAR coupler, it has withstood the test of time since its invention, and has seen only minor changes. It is still very much in use around the world.



By 1902, only two years after the SAA's effective date coupling accidents constituted only 4% of all employee accidents. Coupler-related accidents dropped from nearly 11,000 in 1892 to just over 2,000 in 1902, even though the number of railroad employees steadily increased during that decade.



Meadville's energetic safety committee. Left to right: C. A. Kothe, General Foreman, H. G. Carr, A. M. Kuhn, A. R. Miller, F. J. Leslie, J. Mullin, P. Rich, F. S. Schlosser, Fred Musone



In Canada Today

Table 2. Fatalities and serious injuries (type of occurrence, person type) 2006-2015

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Fatalities by person type	95	84	74	71	81	71	82	126	57	46
Employees	6	2	1	0	1	1	4	5	2	1
Passengers	2	0	1	0	1	0	0	0	1	0
Pedestrians	10	11	11	3	8	6	17	13	8	3
Vehicle occupants	16	16	14	17	15	22	16	17	12	11
Trespassers	59	55	45	50	55	42	45	44	33	31
Other person types	2	0	2	1	1	0	0	47	1	0
								ref:	TSB.Canada	



What did we learn from past?

 Majority of security improvements have been achieved through regulatory tools and technological innovations.

 Today >85% of incidents are caused by Human Factors and behaviors.

 Our employees represent an important source of information about the strengths and weaknesses of our program.

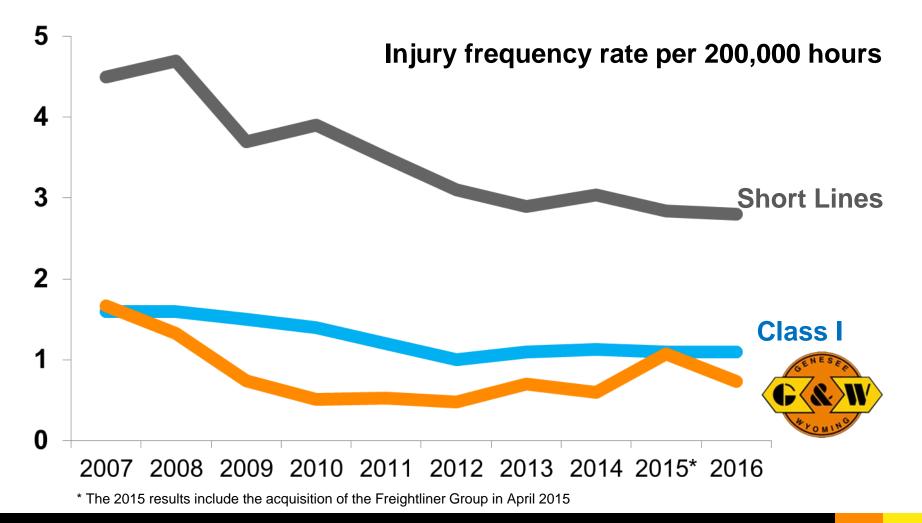
G&W is the world's safest rail service provider



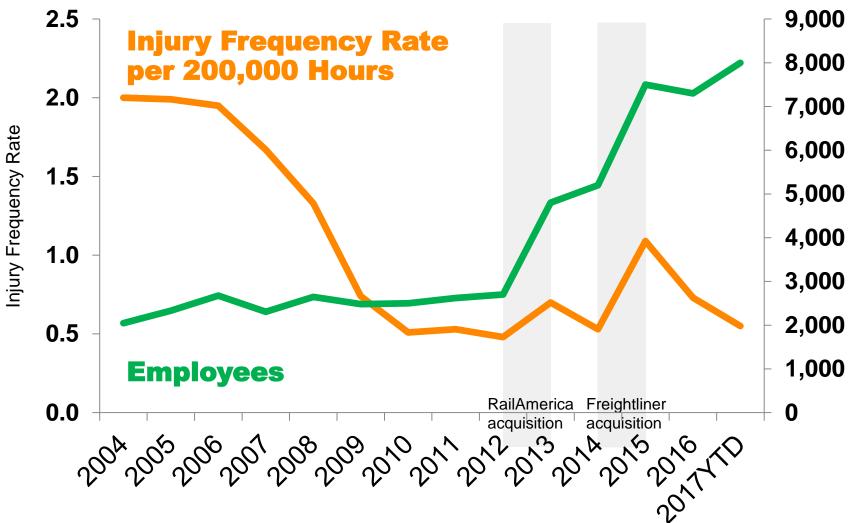
Consolidated injury frequency rate nearly 4X better than the average U.S. short line



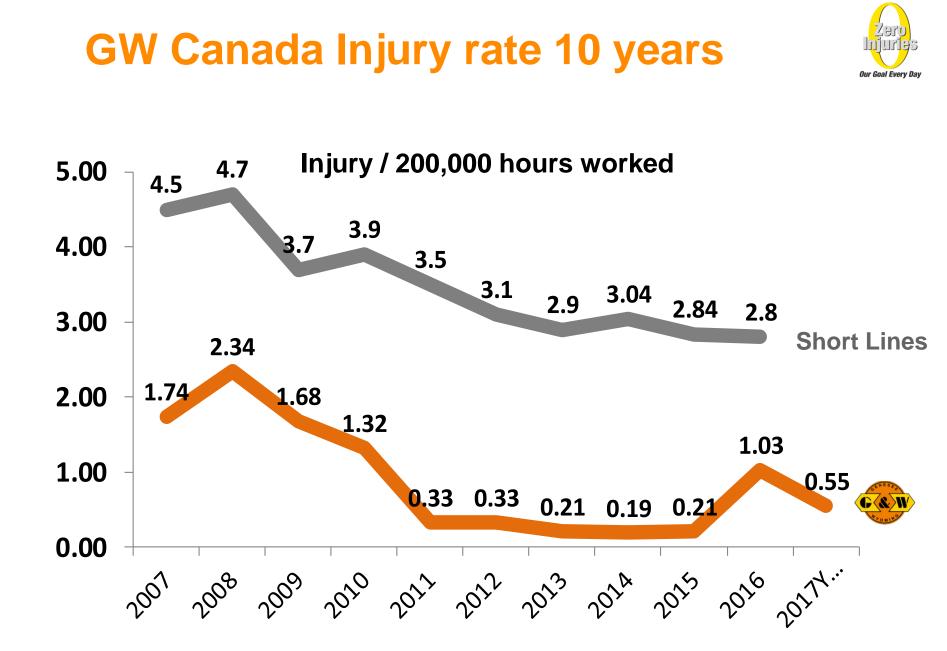
Continued progress towards increased safety Leader in Security Performance



Leadership in Safety



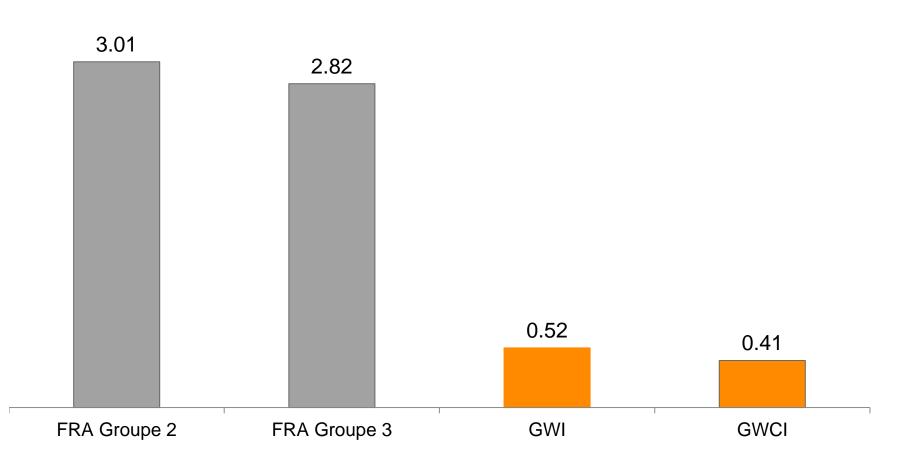
Employees

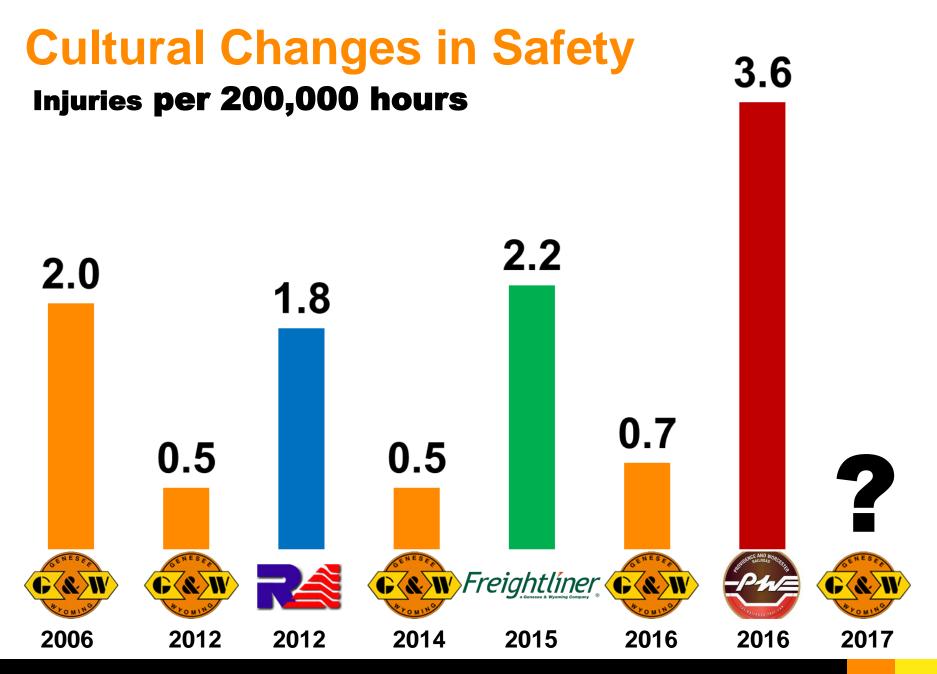


Performance Indicators – Derailments 2016



Derailments per 200,000 hours







Key Elements of Our Safety

- Good programs and systems:
 - ✓ SMS, CROR, rules, instructions
 - Procedures, risk analysis, policies, standards
- Good behavior at every level

Employees	Supervision team
 ✓ Rigor and compliance ✓ Safety awareness ✓ Interdependance culture 	 ✓ Vision ✓ Training ✓ Tools & Ressources ✓ Leadership

Believe that all injuries can be prevented



Safety Program Tools

- Safety Briefings
- Safety Walk Abouts
- Weekly & Monthly Safety Calls
- Safety Board
- Safety Training
- Injuries/Incident Management & Reenactment
- Annual Safety Action Plans
- Health & Safety Steering Committee
- Housekeeping standards
- Recognition







Our Safety Policy : Safety First!

- Safety is priority one in our work and in our life.
- Management is committed to providing a safe work environment.
- All employees are responsible for maintaining a safe work environment and for preventing personal injuries.
- Compliance with safety rules and procedures is a condition of employment.





Compliance: a *priority!*

In order to ensure that all employees comply with regulatory requirements and company policies, various compliance measures are put forward:

- In 2016, 27,583 efficiency tests (job observations) were carried out for a compliance rate of 98.3%.
- The Management team conducts regular inspections and members of the Health and Safety Committees are invited to participate.
- In 2016/17, each of the company's clients will receive a Safety Guide specifically designed for them.



Safety Briefings

- Before every shift or task
- Safety Share
- Job description and responsibilities
- Tools and Equipment
- Risk assesment
- PPE-Personal Protective Equipment
- Confirm and review when needed

Daily Hazard assessment and Job safety Briefing							
Date: Rule of	the day #	1	Rule of the month #				
Safety Flash #	Safety Bulletin:	Safety Bulletin:					
Employee Name:		Employee signature:					
Review the following when you are conducting your Job Safety briefing, Check Items that apply to the Job and list the Hazards, identify the plans to eliminate or/and mitigate the risk							
Road & Track Protection (CROR rule 803)	(The Follo	owing) 3. Activity Hazard		6. Emergency Equipment			
a) Track unit Authorization	K) Working	at heights	d) Communication (radio/Cell)			
b) Track work Authorization	L Locate "	call before you dig	e)			
c) Public traffic Control (at crossi		4. Equipment					
2. Environmental Hazards	a) Vehicle i	nspection		7. PPE requirements			
a) Spill potential (battery, Gas, Oil	b) Hand tool	- Instrument inspection	a) Safety glasses CSA			
b) Weather condition	c) Electric -	power tool	Ь) Face shield / Goggles			
c) Road condition	d) Mast/Car	ntilever inspection	c) Safety footwear			
d) Rail surface condition(Rain, Sr	e) Fall arres	e) Fall arrest inspection) Anti slip boots (ice)			
e) Walking Condition	f Step ladder and ladder inspection) Gloves			
		inspection		Hearing Protection			
g) House Keeping h)) Respirator			
h) Access/escape route	i)		- h) Additional PPE as required			
3. Activity Hazard	5. Ergonomic Hazards			Appropriate hard hat			
a) Road Driving (Def. driving, Bur	a) Pinch po	<u> </u>	;				
b) Hi-Railing	b) Lifting he	eavy object	٦ ٣				
c) Working at night	c) Repetitiv	/e motion		8. Documentation	1		
d) Welding / grinding	d) Correct b	ody positioning	a) Time table, CROR, GOI, GEI			
e) Deactivate HAWD	<u> </u>	ergency Equipment) Summary bulletin, DOB, DEB			
f) Burn/heat source	a) Fire extin	<u> </u>) TOP, Rule 42 pads	Π		
g) :lectrical cords/tool conditio	b) first aid l	-) GWCI S&C Guideline	Π		
h Lockout / Tag out	c) Eye wash				Π		
i) Overhead power lines	d) Railway	Flagging Kit			\square		
J) Working safe Zone	e) Road Fla						
Identify the Hazards, then identify the plans to eliminate or/and mitigate the risk							

Safety Walk Abouts

- Official visit to railways
- Visit Team: Members of the Head office
- Objectives:
 - To demonstrate we care about safety;
 - To meet and discuss with employees and supervisors;
 - To identify opportunities for improvement;
 - To improve understanding and share best practices.







Weekly Safety Call

- Every Week
- Attendance: Railways Management
- Chaired by each railway in rotation
- Topics:
 - Rule of the week;
 - Discussion on Incidents;
 - Report Efficiency testing;
 - Focus Testing;
 - ✓ Safety discussion.





Safety Boards

Safety Clip Boards

- ✓ Safety Policy
- Accident Prevention Bulletin
- Injuries, Human Factor Incidents and derailment Statistics
- ✓ SOFA reports
- Safety Notices
- Health & Safety Committee minutes

Safety TV Screens

- Safety Activities
- Messages
- ✓ General information





Training

- All employees of GWCI receive the training required by the regulatory authorities:
 - Railway Safety Act (Rules, Regulations, Standards, etc.)
 - ✓ Canada Labor Code (Regulations)
 - ✓ Statutes and Regulations Applicable to Provincial Jurisdictions
- All GWCI employees are required to attend the Company's annual training as follows:
 - Environment Protection
 - ✓ Security Awareness
 - Preventive measures for toxic products by inhalation (TIH)
 - Preventive driving (vehicles)

Zero IIIIIIIes Our Goal Every Day

Safety Training

- Managing Safety (Dupont)
 - Safety interactions
 - Identify unsafe condition
 - Incident investigation
 - Creating a Safety Culture
- Target Zero / Railroad Safety-Leader Training
 - Building the perfect Railroad
 - ✓ GWI Safety KPIs
 - Meaningful Safety Leadership
 - Human Behavior
 - Change management process
 - Key Safety Cultures elements





Incident Management & Reenactment

- Incident Management
 - Incident Notification for specific cases
 - When applicable and possible, Supervisor accompany the employee
 - Injuries and HFI are to be investigated and reenacted
 - Incidents shared during Safety Calls

Reenactment

- Include employees and supervisors
- Objective is to identify root cause and contributing factors
- Report produced with recommendations
- Shared with other employees and railways
- Follow up process covered by SMS

Annual Safety Action Plan



- Annual Safety
 Objectives
- Major Risks Identified
- Safety Improvement Initiatives
- Housekeeping Initiatives
- Outreach activities



CBNS – Stellarton Shop N-S, 2016

Health & Safety Steering Committee

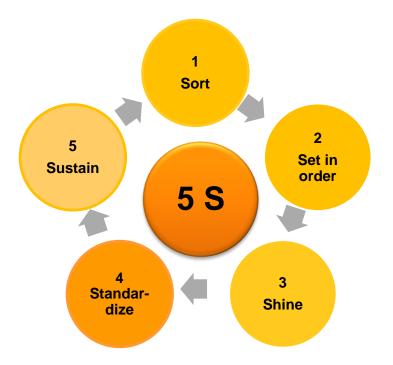


- Mission: To promote safety and ensure proper standardization at every level
- Frequency: Quaterly
- Meeting with local H&S Committees
- Composition:
 - VP Operations, VP Engineering, VP Mechanical, VP Administration/HR and Senior Director Safety.





Housekeeping: the 5S System



1-Sort	Eliminate unnecessary items from the workspace
2-Set in order	Arrange items so they are easy to use, find and put away
3-Shine	Keep the items and work area neat and clean
4-Standardize	Create a consistent approach to tasks and procedures
5-Sustain	Make a habit of maintaining the correct procedures



Other initiatives

Safety Management System (SMS):

GWCI is working closely with Transport Canada on the implementation of the new SMS regulation. The GWCI railways were the first to be audited on the entire regulations.

• Operation Lifesaver:

In 2016, GWCI employees participated in several activities to support Operation Lifesaver (fairs, schools, clubs, fairs, etc.). More than 7,000 people attended presentations by our employees.

Progress Towards "Most Respected" **G&WCommunity**



In 2015-16 alone:

1,000+ presentations to more than **150,000** schoolchildren & professionals



Thank you for your attention.





Question?



