

Professional Engineers and Geoscientists of Newfoundland and Labrador

Stakeholder Research Data Tables

Prepared For:



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In thinking of the following professions, which do you feel is the most valuable to the community?

	Frequency	Percent
Accountants	11	3.6
Architects	9	2.9
Engineers	144	47.1
Geologists	4	1.3
Lawyers	6	2.0
Social Workers	79	25.8
Don't know/No response	53	17.3
Total	306	100.0

What is your general impression of ACCOUNTANTS? Would you say that it is very positive, somewhat positive, somewhat negative, or very negative?

	Frequency	Percent
Very Positive	73	23.9
Somewhat Positive	195	63.7
Somewhat Negative	11	3.6
Very Negative	5	1.6
Neither Negative nor Positive	15	4.9
Don't know/No response	7	2.3
Total	306	100.0

What is your general impression of ARCHITECTS? Would you say that it is very positive, somewhat positive, somewhat negative, or very negative?

	Frequency	Percent
Very Positive	46	15.0
Somewhat Positive	193	63.1
Somewhat Negative	11	3.6
Very Negative	1	.3
Neither Negative nor Positive	13	4.2
Don't know/No response	42	13.7
Total	306	100.0

What is your general impression of ENGINEERS? Would you say that it is very positive, somewhat positive, somewhat negative, or very negative?

	Frequency	Percent
Very Positive	109	35.6
Somewhat Positive	171	55.9
Somewhat Negative	11	3.6
Very Negative	4	1.3
Neither Negative nor Positive	7	2.3
Don't know/No response	4	1.3
Total	306	100.0

What is your general impression of GEOLOGISTS? Would you say that it is very positive, somewhat positive, somewhat negative, or very negative?

	Frequency	Percent
Very Positive	50	16.3
Somewhat Positive	156	51.0
Somewhat Negative	3	1.0
Neither Negative nor Positive	25	8.2
Don't know/No response	72	23.5
Total	306	100.0

What is your general impression of LAWYERS? Would you say that it is very positive, somewhat positive, somewhat negative, or very negative?

	Frequency	Percent
Very Positive	26	8.5
Somewhat Positive	161	52.6
Somewhat Negative	64	20.9
Very Negative	16	5.2
Neither Negative nor Positive	18	5.9
Don't know/No response	21	6.9
Total	306	100.0

What is your general impression of SOCIAL WORKERS? Would you say that it is very positive, somewhat positive, somewhat negative, or very negative?

	Frequency	Percent
Very Positive	109	35.6
Somewhat Positive	138	45.1
Somewhat Negative	13	4.2
Very Negative	3	1.0
Neither Negative nor Positive	10	3.3
Don't know/No response	33	10.8
Total	306	100.0

For each of the following professions, please tell me how would you rate the honesty and ethical conduct of the people in that profession - very high, high, average, low or very low - ACCOUNTANTS

	Frequency	Percent
Very High	54	17.6
High	159	52.0
Average	72	23.5
Low	6	2.0
Very Low	2	.7
Don't know/No response	13	4.2
Total	306	100.0

For each of the following professions, please tell me how would you rate the honesty and ethical conduct of the people in that profession - very high, high, average, low or very low
-ARCHITECTS

	Frequency	Percent
Very High	47	15.4
High	151	49.3
Average	55	18.0
Low	2	.7
Don't know/No response	51	16.7
Total	306	100.0

For each of the following professions, please tell me how would you rate the honesty and ethical conduct of the people in that profession - very high, high, average, low or very low
-ENGINEERS

	Frequency	Percent
Very High	77	25.2
High	155	50.7
Average	60	19.6
Low	5	1.6
Very Low	4	1.3
Don't know/No response	5	1.6
Total	306	100.0

For each of the following professions, please tell me how would you rate the honesty and ethical conduct of the people in that profession - very high, high, average, low or very low
-GEOLOGISTS

	Frequency	Percent
Very High	44	14.4
High	135	44.1
Average	51	16.7
Don't know/No response	76	24.8
Total	306	100.0

For each of the following professions, please tell me how would you rate the honesty and ethical conduct of the people in that profession - very high, high, average, low or very low
-LAWYERS

	Frequency	Percent
Very High	30	9.8
High	107	35.0
Average	108	35.3
Low	29	9.5
Very Low	12	3.9
Don't know/No response	20	6.5
Total	306	100.0

For each of the following professions, please tell me how would you rate the honesty and ethical conduct of the people in that profession - very high, high, average, low or very low
-SOCIAL WORKERS

	Frequency	Percent
Very High	69	22.5
High	145	47.4
Average	52	17.0
Low	3	1.0
Very Low	1	.3
Don't know/No response	36	11.8
Total	306	100.0

How would you rate the competency of people in these different professions - very high, high, average, low, or very low? - ACCOUNTANTS

	Frequency	Percent
Very High	62	20.3
High	160	52.3
Average	66	21.6
Low	3	1.0
Don't know/No response	15	4.9
Total	306	100.0

How would you rate the competency of people in these different professions - very high, high, average, low, or very low? - ARCHITECTS

	Frequency	Percent
Very High	45	14.7
High	147	48.0
Average	57	18.6
Low	4	1.3
Don't know/No response	53	17.3
Total	306	100.0

How would you rate the competency of people in these different professions - very high, high, average, low, or very low? - ENGINEERS

	Frequency	Percent
Very High	76	24.8
High	164	53.6
Average	46	15.0
Low	8	2.6
Very Low	3	1.0
Don't know/No response	9	2.9
Total	306	100.0

How would you rate the competency of people in these different professions - very high, high, average, low, or very low? - GEOLOGISTS

	Frequency	Percent
Very High	44	14.4
High	136	44.4
Average	46	15.0
Low	1	.3
Don't know/No response	79	25.8
Total	306	100.0

How would you rate the competency of people in these different professions - very high, high, average, low, or very low? - LAWYERS

	Frequency	Percent
Very High	48	15.7
High	133	43.5
Average	90	29.4
Low	11	3.6
Very Low	4	1.3
Don't know/No response	20	6.5
Total	306	100.0

How would you rate the competency of people in these different professions - very high, high, average, low, or very low? - SOCIAL WORKERS

	Frequency	Percent
Very High	48	15.7
High	129	42.2
Average	84	27.5
Low	4	1.3
Don't know/No response	41	13.4
Total	306	100.0

Now as I mention certain activities, tell me who you mostly associate with the activity... an engineer, a technologist, or an architect? - DESIGNS BUILDINGS

	Frequency	Percent
Engineer	79	25.8
Technologist	5	1.6
Architect	218	71.2
Don't know/No response	4	1.3
Total	306	100.0

Now as I mention certain activities, tell me who you mostly associate with the activity... an engineer, a technologist, or an architect? - DESIGNS MUNICIPAL INFRASTRUCTURE

	Frequency	Percent
Engineer	268	87.6
Technologist	15	4.9
Architect	17	5.6
Don't know/No response	6	2.0
Total	306	100.0

Now as I mention certain activities, tell me who you mostly associate with the activity... an engineer, a technologist, or an architect? - DESIGNS ROADS AND BRIDGES

	Frequency	Percent
Engineer	290	94.8
Technologist	4	1.3
Architect	6	2.0
Don't know/No response	6	2.0
Total	306	100.0

Now, turning to public safety... Who do you think should be responsible for ensuring that the following are safe for public use...would you say Architects, Engineers, Environmentalists, or Government? - BUILDINGS

	Frequency	Percent
Architects	76	24.8
Engineers	116	37.9
Environmentalists	1	.3
Governments	97	31.7
Don't know/ No response	16	5.2
Total	306	100.0

Now, turning to public safety... Who do you think should be responsible for ensuring that the following are safe for public use... would you say Architects, Engineers, Environmentalists, or Government? - ROADS AND BRIDGES

	Frequency	Percent
Architects	7	2.3
Engineers	174	56.9
Environmentalists	2	.7
Governments	115	37.6
Don't know/ No response	8	2.6
Total	306	100.0

Now, turning to public safety... Who do you think should be responsible for ensuring that the following are safe for public use... would you say Architects, Engineers, Environmentalists, or Government? - **TOOLS SUCH AS HOUSEHOLD APPLIANCES**

	Frequency	Percent
Architects	3	1.0
Engineers	87	28.4
Environmentalists	6	2.0
Governments	179	58.5
Don't know/ No response	31	10.1
Total	306	100.0

Now, turning to public safety... Who do you think should be responsible for ensuring that the following are safe for public use... would you say Architects, Engineers, Environmentalists, or Government? - **EQUIPMENT SUCH AS VEHICLES, PLANES, MACHINERY**

	Frequency	Percent
Architects	4	1.3
Engineers	104	34.0
Governments	181	59.2
Don't know/ No response	17	5.6
Total	306	100.0

Do you associate the work of ENGINEERS with public safety?

	Frequency	Percent
Yes	291	95.1
No	15	4.9
Total	306	100.0

Do you associate the work of GEOLOGISTS with public safety?

	Frequency	Percent
Yes	82	26.8
No	205	67.0
Don't know/ No response	19	6.2
Total	306	100.0

Does [respondent's organization] hire engineering consultants on a contract basis?

	Frequency	Percent
Yes	232	75.8
No	74	24.2
Total	306	100.0

Does [respondent's organization] hire geoscience consultants on a contract basis?

	Frequency	Percent
Yes	68	22.2
No	236	77.1
Don't know/ No response	2	.7
Total	306	100.0

Excluding contracted consultants, does [respondent's organization] employ Professional Engineers?

	Frequency	Percent
Yes	132	43.1
No	172	56.2
No response	2	.7
Total	306	100.0

Excluding contracted consultants, does [respondent's organization] employ Professional Geoscientists?

	Frequency	Percent
Yes	24	7.8
No	280	91.5
Don't know/ No response	2	.7
Total	306	100.0

Does [respondent's organization] work with any Professional Engineers other than contracted consultants and employees?

	Frequency	Percent
Yes	171	55.9
No	128	41.8
Don't know/ No response	7	2.3
Total	306	100.0

Does [respondent's organization] work with any Professional Geoscientists other than contracted consultants and employees?

	Frequency	Percent
Yes	61	19.9
No	240	78.4
Don't know/ No response	5	1.6
Total	306	100.0

Thinking about your dealings with engineers in the past two years, overall, were you very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied with their work?

	Frequency	Percent
Very Satisfied	111	38.0
Somewhat Satisfied	149	51.0
Somewhat Dissatisfied	20	6.8
Very Dissatisfied	6	2.1
Don't know/No response	6	2.1
Total	292	100.0

Thinking about your dealings with engineers in the past two years, overall, were you very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied with their conduct?

	Frequency	Percent
Very Satisfied	145	49.7
Somewhat Satisfied	124	42.5
Somewhat Dissatisfied	11	3.8
Very Dissatisfied	6	2.1
Don't know/No response	6	2.1
Total	292	100.0

If you were in a situation where you were not satisfied with the work of a professional engineer, who would you most likely contact...

	Frequency	Percent
The Engineer's employer	157	51.3
A Government official	50	16.3
A Lawyer	12	3.9
PEGNL	44	14.4
Engineer	27	8.8
Other mentions	8	2.6
Don't know/No response	8	2.6
Total	306	100.0

How important is professional licensure to your organization... very important, somewhat important, somewhat not important or not at all important?

	Frequency	Percent
Very important	203	66.3
Somewhat important	82	26.8
Somewhat not important	7	2.3
Not at all important	12	3.9
Don't know/No response	2	.7
Total	306	100.0

Why is professional licensure very/ somewhat important to your organization?¹

	Frequency	Percent
Requirement/Liability/Safety issues	93	32.6
Ensures competency (quality/credibility)	146	51.2
Assures a standard	15	5.3
Don't know/ No response	10	3.5
Other mentions	43	15.1
Total	285	100.0

¹ Multiple response table: May add up to more than 100%.

Why is professional licensure somewhat not important/not at all important to your organization?²

Basically everything I'm dealing with in my work is ahead of the engineers' knowledge and we end up instructing them.
Because government doesn't require its engineers to be licensed.
Because I don't think that this means anything its just a money maker for society.
Because I don't think the current exam relates to their conduct or how they act in the workplace.
Because of the nature of our business.
Don't use them enough to have them be an important factor in day to day business/maybe somewhat important because the products that we sell they use in their work.
Everything has to be approved by so many people; it's not for me to say.
Find that people with more experience are better.
I sell to them so as long as they buy I don't care if they're licensed. But on a personal level I believe they should be licensed.
I think that licensure doesn't insure competence.
Just provides a frame work of which professionals can hide their own individual competency.
Look at the performance of the engineer, as long as they've completed university then they can still be a good engineer and just not get around to getting their stamp.
Our clients are the ones who have the engineers. Is important but not on our side of the fence.
The federal government does not value or recognize provincial licensing.
They're taking steps to removing engineer from contract documents.
We are just a small town; a lot of these don't apply.
We don't employ engineers or architects directly so it doesn't matter.
We have to have it but we get no value from it.
We just don't deal with them as such.
Total N=19

² Due to the varied responses for this question, they are not coded into categories. The verbatim responses as provided by respondents are instead presented.

In your opinion, does a licensed professional engineer provide a greater level of competency than a non-licensed engineer?

	Frequency	Percent
Yes	178	69.3
No	54	21.0
Don't know/ No response	25	9.7
Total	257	100.0

In your opinion, does a licensed professional engineer provide a higher level of ethical standards than a non-licensed engineer?

	Frequency	Percent
Yes	155	60.3
No	71	27.6
Don't know/ No response	31	12.1
Total	257	100.0

In your opinion, does a licensed professional geoscientist provide a greater level of competency than a non-licensed geoscientist?

	Frequency	Percent
Yes	49	66.2
No	14	18.9
Don't know/ No response	11	14.9
Total	74	100.0

In your opinion, does a licensed professional geoscientist provide a higher level of ethical standards than a non-licensed geoscientist?

	Frequency	Percent
Yes	45	60.8
No	18	24.3
Don't know/ No response	11	14.9
Total	74	100.0

Considering the professions of Engineering and Geoscience, who do you think should be responsible for setting educational and licensing standards to protect the public's safety... would you say Government, PEGNL, Universities, Media or the Public?

	Frequency	Percent
Government	180	58.8
PEGNL	73	23.9
Universities	18	5.9
Public	2	0.7
Combination	23	7.5
Other mentions	7	2.3
Don't know/No response	3	1.0
Total	306	100.0

Considering the professions of Engineering and Geoscience, who do you think should be responsible for setting ethical standards of conduct for these professions... would you say Government, PEGNL, Universities, Media or the Public?

	Frequency	Percent
Government	109	35.6
PEGNL	162	52.9
Universities	7	2.3
Public	5	1.6
Combination	9	2.9
Other mentions	8	2.6
Don't know/No response	6	2.0
Total	306	100.0

Considering the professions of Engineering and Geoscience, who do you think should be responsible for adjudicating and disciplining unethical or unskilled practice... would you say Government, PEGNL (PEG, N, L), Universities, Media or the Public?

	Frequency	Percent
Government	117	38.2
PEGNL	158	51.6
Universities	3	1.0
Public	8	2.6
Combination	6	2.0
Other mentions	8	2.6
Don't know/No response	6	2.0
Total	306	100.0

Considering the professions of Engineering and Geoscience, who do you think should be responsible for requiring licensed engineers and geoscientists to participate in professional development... would you say Government, PEGNL, Universities, Media or the Public?

	Frequency	Percent
Government	119	38.9
PEGNL	142	46.4
Universities	10	3.3
Public	7	2.3
Combination	8	2.6
The individuals themselves	6	2.0
Other mentions	6	2.0
Don't know/No response	8	2.6
Total	306	100.0

Considering the professions of Engineering and Geoscience, who do you think should be responsible for ensuring that only licensed individuals and companies practice engineering and geoscience... would you say Government, PEGNL, Universities, Media or the Public?

	Frequency	Percent
Government	191	62.4
PEGNL	94	30.7
Public	2	0.7
Combination	9	2.9
Other mentions	6	2.0
Don't know/No response	4	1.3
Total	306	100.0

Are you (i.e. the respondent) a member of PEGNL?

	Frequency	Percent
Yes	45	14.7
No	259	84.6
Don't know/No response	2	.7
Total	306	100.0

Prior to being contacted for this survey, had you ever heard of Professional Engineers and Geoscientists of Newfoundland and Labrador or PEGNL?

	Frequency	Percent
Yes	197	75.5
No	61	23.4
Don't know/No response	3	1.1
Total	261	100.0

As a self-regulating organization, PEGNL has several different roles. Which of the following do you feel is the most valuable role of PEGNL...

	Frequency	Percent
Setting licensing standards to protect the public's safety	66	21.6
Setting ethical standards of conduct for engineers and geoscientists	20	6.5
Adjudicating and disciplining unethical or unskilled practice	10	3.3
Setting practice standards to ensure qualified professionals	73	23.9
Requiring licensed engineers and geoscientists to participate in professional development	21	6.9
Ensuring that only licensed individuals and companies practice engineering and geoscience	62	20.3
Don't know/No response	54	17.6
Total	306	100.0

Which role do you feel is least valuable?

	Frequency	Percent
Setting licensing standards to protect the public's safety	10	3.3
Setting ethical standards of conduct for engineers and geoscientists	28	9.2
Adjudicating and disciplining unethical or unskilled practice	55	18.0
Setting practice standards to ensure qualified professionals	14	4.6
Requiring licensed engineers and geoscientists to participate in professional development	68	22.2
Ensuring that only licensed individuals and companies practice engineering and geoscience	44	14.4
Don't know/No response	87	28.4
Total	306	100.0

In the past year, has [respondent's organization] hired new or recent engineering or geoscience graduates?

	Frequency	Percent
Yes	51	16.7
No	249	81.4
Don't know/No response	6	2.0
Total	306	100.0

Thinking of these new or recent graduates, in general, how well have their education and skills matched your organizations needs... would you say very well matched, well matched, poorly matched, or very poorly matched?

	Frequency	Percent
Very well matched	21	41.2
Well matched	26	51.0
Poorly matched	3	5.9
Don't know/No response	1	2.0
Total	51	100.0

More specifically, how well have their technical skills matched your organization's needs?

	Frequency	Percent
Very well matched	20	39.2
Well matched	28	54.9
Poorly matched	2	3.9
Don't know/No response	1	2.0
Total	51	100.0

How well have their non-technical skills such as communication, business and finance matched your organization's needs?

	Frequency	Percent
Very well matched	10	19.6
Well matched	24	47.1
Poorly matched	13	25.5
Neither/No feeling either way	3	5.9
Don't know/No response	1	2.0
Total	51	100.0

How many licensed professional engineers does [respondent's organization] employ... do not include contracted consultants...

	Frequency	Percent
Less than 5	88	66.7
5 to 10	12	9.1
More than 10	24	18.2
Don't know/No response	8	6.1
Total	132	100.0

How many licensed professional geoscientists does [respondent's organization] employ... do not include contracted consultants...

	Frequency	Percent
Less than 5	18	75.0
5 to 10	1	4.2
More than 10	3	12.5
Don't know/No response	2	8.3
Total	24	100.0

How many people are employed by [respondent's organization] in total... including full-time and part-time?

	Frequency	Percent
20 or less	205	67.0
21 to 40	41	13.4
41 to 60	15	4.9
61 to 80	9	2.9
81 to 100	6	2.0
100 or more	30	9.8
Total	306	100.0

What is your job title?

	Frequency	Percent
Mayor	50	16.3
President/ CEO/ Owner	52	17.0
Manager/ General Manager	37	12.1
Town clerk/ Town Manager	34	11.1
Vice President	8	2.6
Sales manager/ Sales Representative	21	6.9
Secretary/ Treasurer	5	1.6
Project Manager	16	5.2
Chairperson	21	6.9
Operations Manager	6	2.0
Regional/ District/ Branch Manager	5	1.6
Director	11	3.6
Clerk	5	1.6
Administrative	5	1.6
Other mentions	30	9.8
Total	306	100.0

What is the highest level of education you have completed...

	Frequency	Percent
Some High School	14	4.6
Graduated High School	25	8.2
Some Vocational/Technical/Community College	14	4.6
Graduated Vocational/Technical/Community College	97	31.7
Some University	29	9.5
Graduated University (Undergraduate)	94	30.7
Post-Graduate (Some or completed)	32	10.5
Refused	1	.3
Total	306	100.0