CORE AREA WASTEWATER SURVEY Summary Results February 22, 2016

Background

This document is a summary of the 1,357 valid and complete responses to the Core Area Wastewater Survey.

A total of 1,390 respondents completed the survey before the deadline of noon February 20, 2016, but 33 of these surveys were dropped from the results because they came from IP Addresses with more than the maximum 4 allowed surveys per IP Address (note: the first 4 completed surveys from these IP addresses are included in these results).

Survey results shown are percentages rounded to the nearest whole number. Some columns may not add to 100% due to rounding. Some summary statistics may not match component parts due to rounding.

Survey results are shown among all respondents, as well as broken out by Western and Eastern Communities, defined as follows:

Western Communities (361 interviews)

- Esquimalt (121 interviews)
- Colwood (95 interviews)
- Langford (88 interviews)
- View Royal (56 interviews)
- Songhees Nation (1 interviews)
- Esquimalt Nation (0 interviews)

Eastern Communities (937 interviews)

- Saanich (465 interviews)
- Victoria (393 interviews)
- Oak Bay (79 interviews)

An additional 59 respondents said they live in another community (n=29) or preferred not to say where they live (n=30).

This document was prepared by Kyle Braid, Vice-President of Ipsos Public Affairs. He is responsible for any errors or omissions.

Initial Priorities: Highest Priority

Q. Based on what you know or have heard about the need to treat wastewater, please rank your HIGHEST, SECOND HIGHEST and THIRD HIGHEST priorities for this project.	Total (n=1,357) %	West (n=361) %	East (n=937) %
How the project costs will affect my taxes	43	42	44
Level of water quality being discharged into the ocean	29	26	30
Opportunities for water reuse and heat recovery	10	10	9
Location of the treatment plants	9	11	7
Completing the project on time	5	4	5
How the treatment facilities will integrate with my neighbourhood and community	4	5	3
How construction will impact the quality of life in my neighbourhood	1	2	1
How truck traffic will impact the quality of life in my neighbourhood	1	1	1

Initial Priorities: Highest or Second or Third Priority

Q. Based on what you know or have heard about the need to treat wastewater, please rank your HIGHEST, SECOND HIGHEST and THIRD HIGHEST priorities for this project.	Total (n=1,357) %	West (n=361) %	East (n=937) %
How the project costs will affect my taxes	72	71	72
Level of water quality being discharged into the ocean	53	52	53
Opportunities for water reuse and heat recovery	43	41	42
Location of the treatment plants	42	43	41
Completing the project on time	29	25	31
How the treatment facilities will integrate with my neighbourhood and community	28	32	27
How truck traffic will impact the quality of life in my neighbourhood	11	13	9
How construction will impact the quality of life in my neighbourhood	9	12	9

Municipality

Q. In which of the following municipalities or areas do you live?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Saanich	34		50
Victoria	29		42
Esquimalt	9	34	
Colwood	7	26	
Langford	6	24	
Oak Bay	6		8
View Royal	4	16	
Songhees Nation	<1	<1	
Esquimalt Nation	0	0	
Other (specify)	2		
Prefer not to answer	2		

Acceptability: One Plant - Secondary Treatment

Note: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	30	33	30
Somewhat acceptable	31	35	29
Not very acceptable	13	14	12
Not at all acceptable	25	17	28
No opinion	2	2	2
Very + Somewhat Acceptable	61	68	58

Acceptability: One Plant - Tertiary Treatment
Note: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	28	34	27
Somewhat acceptable	27	32	26
Not very acceptable	14	14	14
Not at all acceptable	27	16	31
No opinion	3	4	2
Very + Somewhat Acceptable	56	66	52

Acceptability: Two Plant - Option

Note: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	19	23	17
Somewhat acceptable	30	30	30
Not very acceptable	17	18	18
Not at all acceptable	30	26	32
No opinion	4	3	4
Very + Somewhat Acceptable	49	53	47

Acceptability: Three Plant - Secondary Treatment

Note: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	7	9	7
Somewhat acceptable	21	20	22
Not very acceptable	27	29	26
Not at all acceptable	41	38	42
No opinion	3	4	3
Very + Somewhat Acceptable	29	29	28

Acceptability: Three Plant - Tertiary Treatment

Note: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	9	10	9
Somewhat acceptable	21	17	22
Not very acceptable	22	23	22
Not at all acceptable	44	46	44
No opinion	4	4	3
Very + Somewhat Acceptable	30	27	30

Acceptability: Four Plant Option

Note: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	6	5	6
Somewhat acceptable	17	18	16
Not very acceptable	23	23	23
Not at all acceptable	50	50	51
No opinion	4	4	4
Very + Somewhat Acceptable	23	23	22

Acceptability: Seven Plant ConceptNote: Question was not asked of the 30 respondents who did not indicate where they live.

Q. In your view, how acceptable is this option for treatment of liquid waste in the Core Area?	Total (n=1,327) %	West (n=361) %	East (n=937) %
Very acceptable	7	6	7
Somewhat acceptable	10	9	11
Not very acceptable	16	16	16
Not at all acceptable	64	66	63
No opinion	3	3	3
Very + Somewhat Acceptable	17	15	18

Three Acceptable Options: Pre-Change
Note: A 'None of the Above' option was added after 986 surveys. These results are before the change.

Q. Please choose 3 options, in no particular order, that are in your view, acceptable options for wastewater treatment.	Total (n=986) %	West (n=274) %	East (n=669) %
Two Plant - Rock Bay &Colwood - Secondary & Tertiary	66	69	65
One Plant - Rock Bay - Tertiary	63	70	60
One Plant - Rock Bay - Secondary	59	62	58
Three Plant Esquimalt Nation, Rock Bay & Colwood - Tertiary	28	25	28
Three Plant - Esquimalt Nation, Rock Bay & Colwood - Secondary	20	21	19
Seven Plant - Langford, Colwood, View Royal, Rock Bay, East Saanich, Saanich Core & Esquimalt	15	13	16
Four Plant - Esquimalt Nation, Rock Bay, Colwood & East Saanich	13	10	15
No answer	12	9	13

Three Acceptable Options: Post-Change

Note: A 'None of the Above' option was added after 986 surveys. These results are after the change.

Q. Please choose 3 options, in no particular order, that are in your view, acceptable options for wastewater treatment.	Total (n=371) %	West (n=87) %	East (n=268) %
Two Plant - Rock Bay &Colwood - Secondary & Tertiary	33	51	28
One Plant - Rock Bay – Tertiary	30	47	25
One Plant - Rock Bay – Secondary	28	43	23
Three Plant Esquimalt Nation, Rock Bay & Colwood – Tertiary	13	20	11
Three Plant - Esquimalt Nation, Rock Bay & Colwood – Secondary	9	15	8
Four Plant - Esquimalt Nation, Rock Bay, Colwood & East Saanich	7	10	6
Seven Plant - Langford, Colwood, View Royal, Rock Bay, East Saanich, Saanich Core & Esquimalt	7	11	5
None of the above	55	33	62
No answer	2	1	3

Final Priorities: Highest Priority

Q. Now that you have seen all 7 options, please rank your HIGHEST, SECOND HIGHEST and THIRD HIGHEST priorities for this project.	Total (n=1,357) %	West (n=361) %	East (n=937) %
How the project costs will affect my taxes	44	45	44
Level of water quality being discharged into the ocean	28	26	29
Opportunities for water reuse and heat recovery	10	9	9
Location of the treatment plants	8	10	7
How the treatment facilities will integrate with my neighbourhood and community	5	5	4
Completing the project on time	4	4	5
How construction will impact the quality of life in my neighbourhood	1	1	1
How truck traffic will impact the quality of life in my neighbourhood	<1	0	<1

Final Priorities: Highest or Second or Third Priority

Q. Now that you have seen all 7 options, please rank your HIGHEST, SECOND HIGHEST and THIRD HIGHEST priorities for this project.	Total (n=1,357) %	West (n=361) %	East (n=937) %
How the project costs will affect my taxes	72	75	72
Level of water quality being discharged into the ocean	52	51	53
Opportunities for water reuse and heat recovery	43	43	43
Location of the treatment plants	36	36	35
Completing the project on time	30	24	33
How the treatment facilities will integrate with my neighbourhood and community	26	30	25
How truck traffic will impact the quality of life in my neighbourhood	11	12	10
How construction will impact the quality of life in my neighbourhood	10	12	10

Interest in Variation of 3 Plant Option

Q. There is a potential for a variation of the 3 Plant Option - 3 Plant Fully Tertiary Option. Would this option interest you?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Yes	39	37	39
No	61	63	61

Site Preferred for Solids

Q. Now that you have seen both sites for treatment of wastewater solids in the Core Area, is there a site that you prefer?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Hartland Landfill	36	35	37
Rock Bay	36	37	35
No preference	28	28	28

See Challenges with Sites

Q. Do you see challenges with the sites?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Yes	61	59	60
No	39	41	40

See Opportunities with Sites

Q. Do you see opportunities for these sites?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Yes	65	68	64
No	35	32	36

Solids Considerations: First Consideration

Q. Please rank your top three considerations among the following:	Total (n=1,357) %	West (n=361) %	East (n=937) %
Truck traffic for moving solids	19	20	18
Ability to be integrated with waste like food scraps, wood and construction waste, yard waste	14	16	14
Proximity of facilities to residential and business	14	13	14
Disposal of treated solids	13	11	13
Ability to generate resources like gas	12	13	12
Potential emissions	12	12	12
Piping to move solids	9	6	9
Ability to integrate into place	7	8	7

Solids Considerations: First or Second or Third Considerations

Q. Please rank your top three considerations among the following:	Total (n=1,357) %	West (n=361) %	East (n=937) %
Disposal of treated solids	44	42	45
Truck traffic for moving solids	41	41	42
Potential emissions	41	42	41
Ability to be integrated with waste like food scraps, wood and construction waste, yard waste	40	45	38
Ability to generate resources like gas	36	35	37
Proximity of facilities to residential and business	33	34	32
Piping to move solids	29	28	29
Ability to integrate into place	25	24	26

Age

Q. How old are you?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Under 18	<1	<1	<1
18 to 24	1	1	1
25 to 34	8	7	8
35 to 44	14	15	13
45 to 54	18	24	16
55 to 64	27	25	27
65 to 74	23	20	26
75 or older	4	4	4
Prefer not to answer	5	4	5

Own or Rent

Q. Do you own or rent your home?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Own	83	88	81
Rent	11	7	13
Other	2	1	2
Prefer not to answer	4	4	4

Sewer or Septic

Q. Is your home on septic or sewer service?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Sewer	86	75	92
Septic	11	24	5
Other	1	<1	1
Prefer not to answer	2	1	2

Own Business in Core Area

Q. Does anyone in your household own a business in the Core Area?	Total (n=1,357) %	West (n=361) %	East (n=937) %
Yes	14	12	15
No	79	83	77
Prefer not to say	7	4	8