

WESTSIDE SOLUTIONS SiteSpeak REPORT

Introduction:

SiteSpeak was the online platform utilized to engage residents allowing them to provide input into possible sites and technologies. This report presents quantitative data as well as some of the overall themes of respondents.

Some important things to note about SiteSpeak:

- only one survey completion was allowed through each computer address,
- respondents were allowed to skip questions if they did not wish to respond,
- provision was made to allow respondents to return to their survey after the Royal Colwood Golf Course site was added to amend their previous answers if needed,
- At the end of the survey respondents could see the statistical results to date (graphs).

A review of the methodology used was conducted and is attached to this report.

Data Summary:

The following is a brief summary of some of the statistical data collected in SiteSpeak. Graphs on all responses are contained in the body of the report. Percentages here have been rounded to the nearest whole number.

SiteSpeak duration	<ul style="list-style-type: none">• Launched June 24• Closed July 22• Additional site (Royal Colwood Golf Course) added July 16
Participation	<ul style="list-style-type: none">• 619 respondents• ~ 85% Westside residents
Average length of time to complete	<ul style="list-style-type: none">• 1 hour 25 minutes
SiteSpeak promotion	<ul style="list-style-type: none">• Options Launch Delta Hotel• Media release• Community Newspaper ads• Times Colonist online ad• Used Victoria online ad• CRD Face book ad• Westside Solutions website• Municipal websites• Postal drop across the westside ~27,000 households• Social media• Twitter• Facebook• Community events<ul style="list-style-type: none">○ Vic West Fest○ Canada Day

	<ul style="list-style-type: none"> ○ Fort Rodd Hill ○ Goldstream Market ○ Esquimalt Market ○ Neighbourhood Nights – View Royal
Priority sites within nodes	<ul style="list-style-type: none"> ● Esquimalt Nation - Site 15, ● View Royal - Site 16, ● Langford - Site 2a/2b, ● Colwood - Site 14, and ● Colwood - Site 4.
Number of sites preferred	<ul style="list-style-type: none"> ● 4 sites ~20% ● 2 sites ~25% ● 1 site ~26% ● Other/unsure ~ 29%
Level of Treatment	<ul style="list-style-type: none"> ● meet regulatory requirements ~ 12% ● exceed regulatory requirements with cost recovery ~ 21% ● exceed regulatory requirements to protect environment ~ 15% ● all are important ~44% ● unsure ~8%
Technology preferences	<ul style="list-style-type: none"> ● Advanced waste water treatment ~42% ● Aerobic digestion ~24% ● Anaerobic digestion ~25% ● Gasification ~33% ● Dewatering and transporting ~10% ● Unsure/other ~48%
Willingness to pay more	<ul style="list-style-type: none"> ● 0 cents per day ~28% ● 25 cents per day ~36% ● 50 cents per day ~21% ● 75 cents per day ~3% ● 1 dollar per day ~11%

Commentary Summary:

The majority of comments on SiteSpeak have been constructive. Even those expressing concerns over specific sites or issues have been valuable in contributing to the conversation.

The commentary themes on specific sites and nodes have not changed from what was observed in the Interim Report tabled on July 15, 2015. Some common themes, concerns and priorities include:

- needing to see resource recovery benefits
- concerns over proximity to residential
- proximity to infrastructure
- ownership of potential site
- protection of recreation and environmental values
- future development potential

Again, common themes and conditions expressed throughout the responses, regardless of site location remained similar including:

- ensuring odour control/elimination from any facility
- minimizing traffic
- minimizing noise
- complementing any environment where a facility is built
- ensuring public safety – including taking into account sea level rises
- developing and maintaining trust through on going public involvement

There is also continues to be a need for further detailed information including;

- cost and benefit analysis
- all costs (life cycle and ancillary infrastructure)
- cost comparisons between each option
- potential environmental impacts
- realistic resource recovery benefits and liabilities
- keeping the process open and transparent to the public to ensure sound economic and environmental outcomes

All comments and data received through SiteSpeak or via email pertaining to the questions posed in SiteSpeak will be available through the website at:

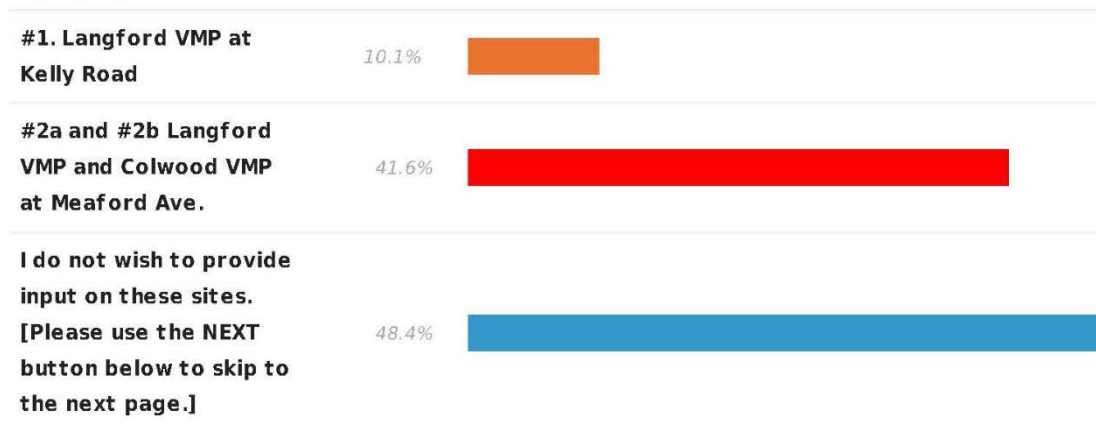
<https://www.crd.bc.ca/westside-solutions>

Sites:

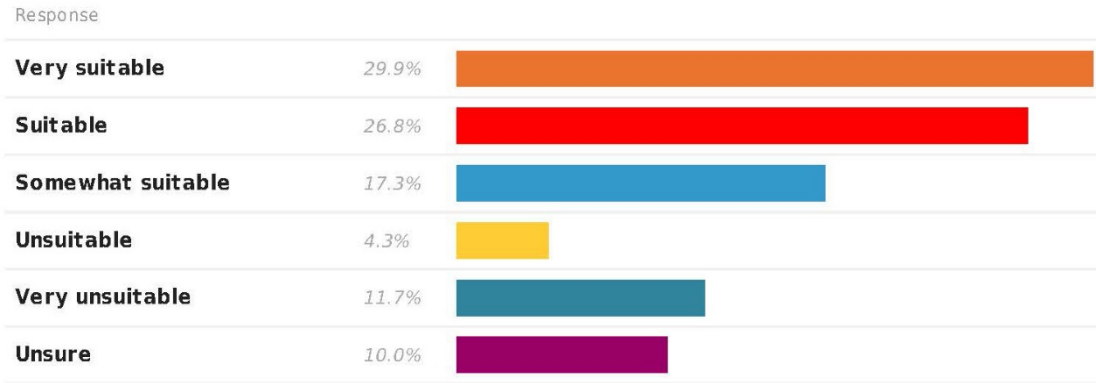
LANGFORD SITE NODE:

Preferred site:

The majority of respondents chose THE Langford/Colwood VMP at Meadford (Site #2a/2b)



How suitable do you consider this site in terms of how the land is currently used, how wastewater resource facility would fit with the surrounding area and future plans for the community?



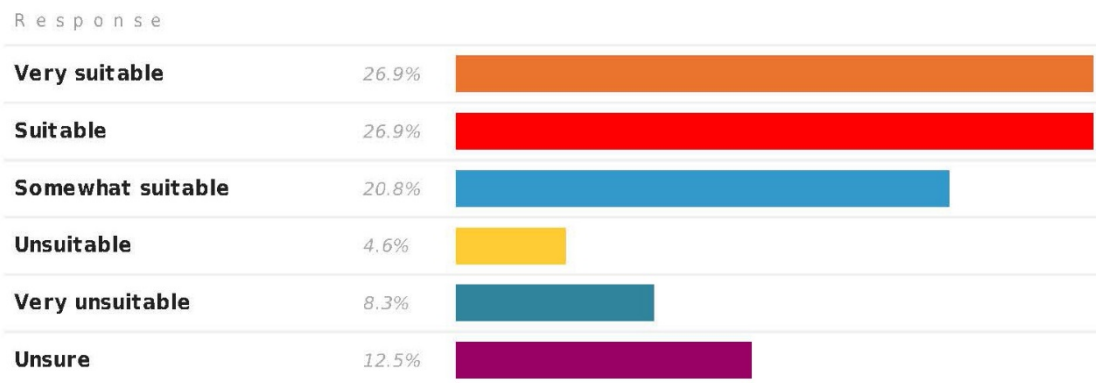
Benefits:

- site not adjacent to residential
- close to infrastructure
- high water reclamation opportunities

Concerns:

- privately owned therefore could increase costs
- conflicts with current zoning
- increased traffic could be a problem

How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



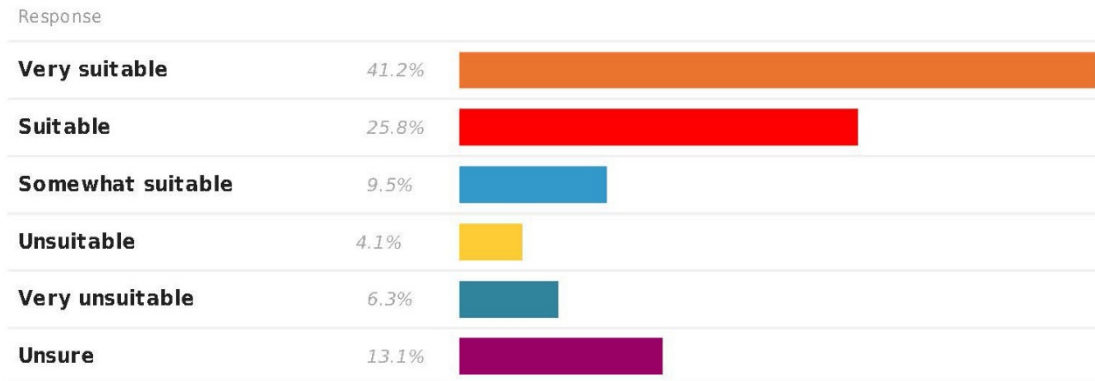
Benefits:

- high water re-use opportunities
- potential new opportunities for heat recovery including both private and public buildings

Concerns:

- heat recovery would take more work as there are few at this time
- health concerns over water re-use

How suitable do you consider this site in terms of how close it is to existing sewer trunk and truck routes?



Benefits:

- well situated to existing trunk lines and truck routes
- very accessible

Concerns:

- possible increased traffic issues – particularly as it is close to a school

What conditions would need to be met in order for you to consider this site suitable?

- must fit in with the community – to the point of being “invisible
- no odour or noise pollution
- cannot comment without more information on design, cost or potential reclamation opportunities

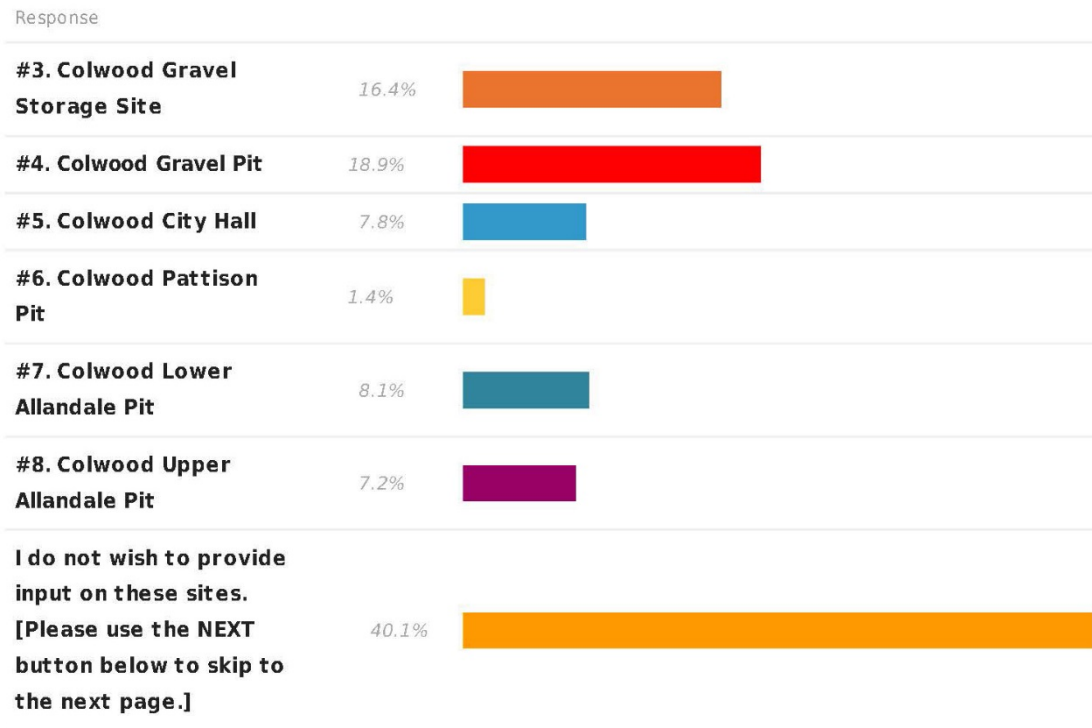
TECHNCIAL COMMENTS

- Site 2a:2b is large enough to accommodate liquids and residuals treatment at sub-regional scale
- Public input suggests any facility should tie into existing and future uses and be partly hidden
- A facility at 2a:2b is better suited a distributed-type plant with residuals processing located at an alternate site (to accommodate the input of being partly hidden)
- Site acquisition or assembly requires further study

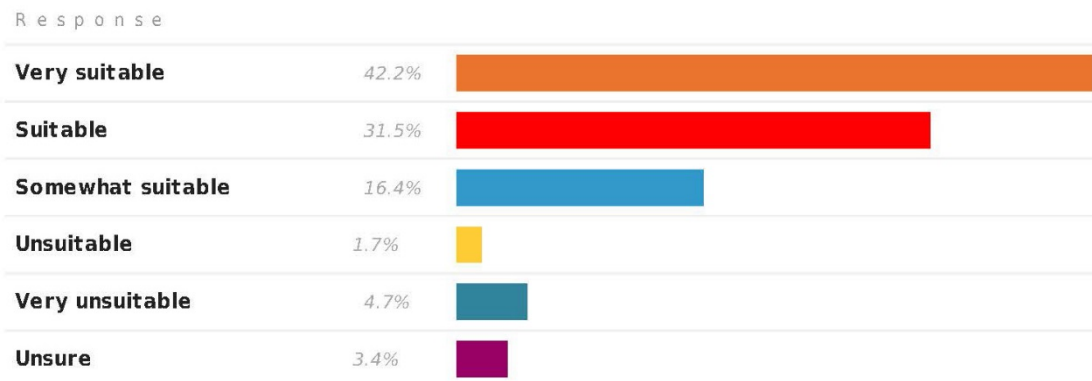
COLWOOD SOUTH – CENTRAL NODE:

Preferred site:

The majority of respondents chose the Colwood Gravel Pit (Site #4).



How suitable do you consider this site in terms of how the land is currently used, how wastewater resource facility would fit with the surrounding area and future plans for the community?



Benefits:

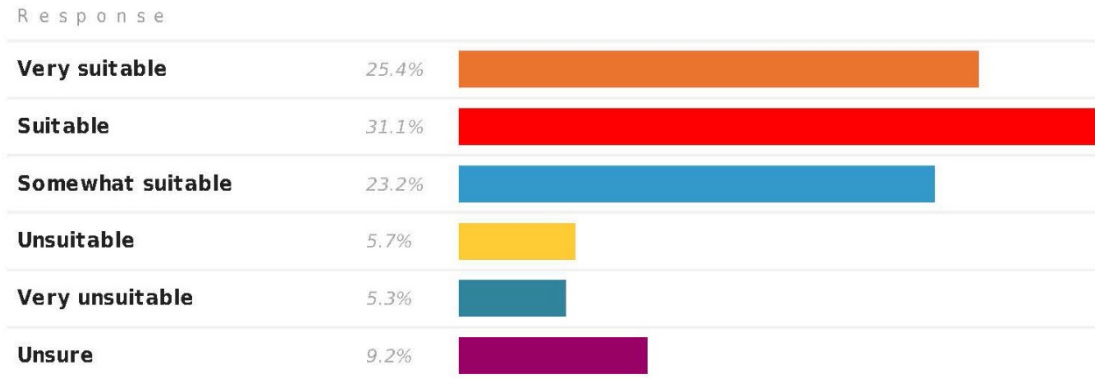
- growth in area could see more resource recovery
- currently undeveloped and available

- expansion possibilities

Concerns:

- could deter future investment and development opportunities
- currently limited resource recovery options

How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



Benefits:

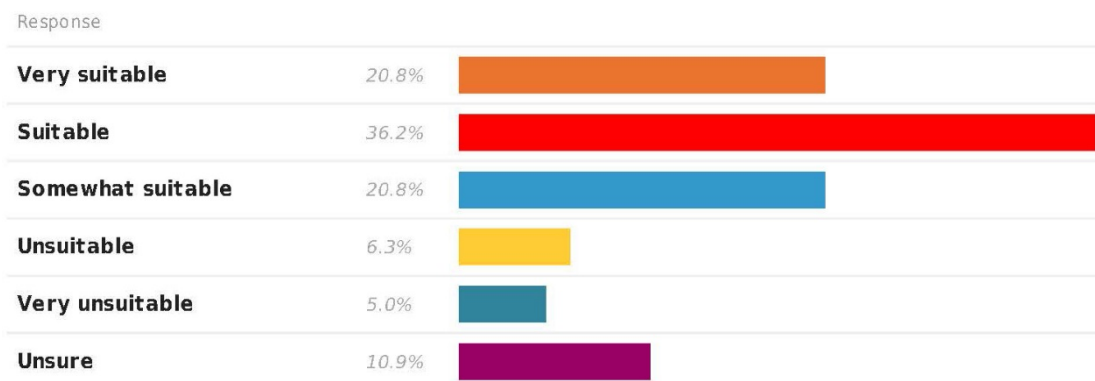
- opportunities for utilizing reclaimed water and energy into future developments

Concerns:

- heat and water reclamation not a priority
- too far from existing facilities

How suitable do you consider this site in terms of how close it is to existing sewer trunk and truck routes?

3. How suitable to you consider this site in terms of how close it is to existing sewer trunk and truck routes?



Benefits:

- roads with close proximity
- room for expansion

Concerns:

- too far from existing outfalls
- current access goes through residential neighbour hood

What conditions would need to be met in order for you to consider this site suitable?

- no conditions – this is bad for investment
- would require additional consultation with residents in the area
- must be invisible

TECHNICAL COMMENTS

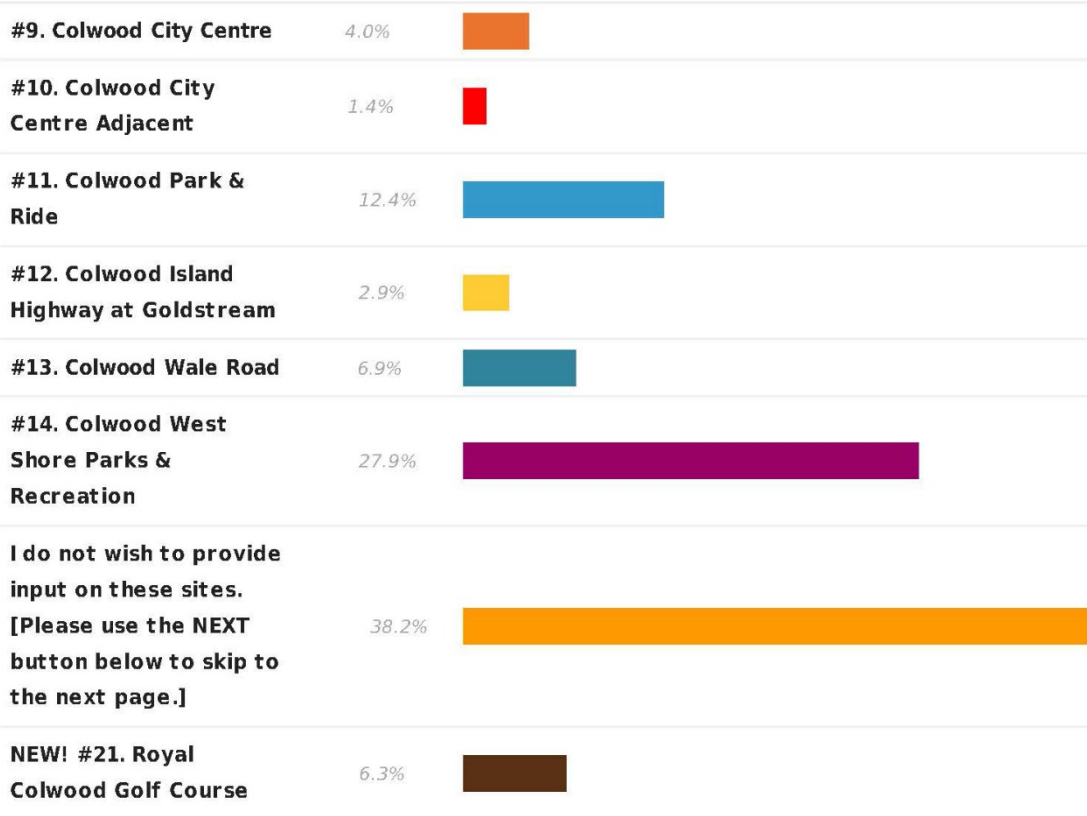
- Servicing Site 4 requires greater infrastructure needs (e.g. length of pipe and new outfall) and a lesser opportunity for resource recovery than sites in other Option Sets
 - Site 4 demonstrates some potential for a satellite facility phased in over time with growth at Royal Bay (e.g. to eliminate cost of rerouting flows across the sub-region)
 - Site acquisition requires further study
 - Note: Similar technical considerations apply to Site 3 (both received public support)
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COLWOOD NORTH NODE:

Preferred site:

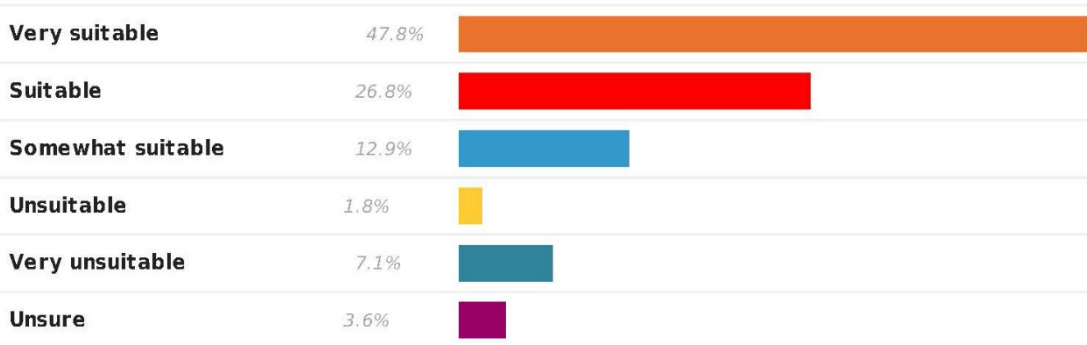
The majority of respondents chose the Colwood West Shore Parks & Recreation (Site #14).

Response



How suitable do you consider this site in terms of how the land is currently used, how wastewater resource facility would fit with the surrounding area and future plans for the community?

Response



Benefits:

- high potential for resource recovery
- reasonable distance from residential
- publically owned

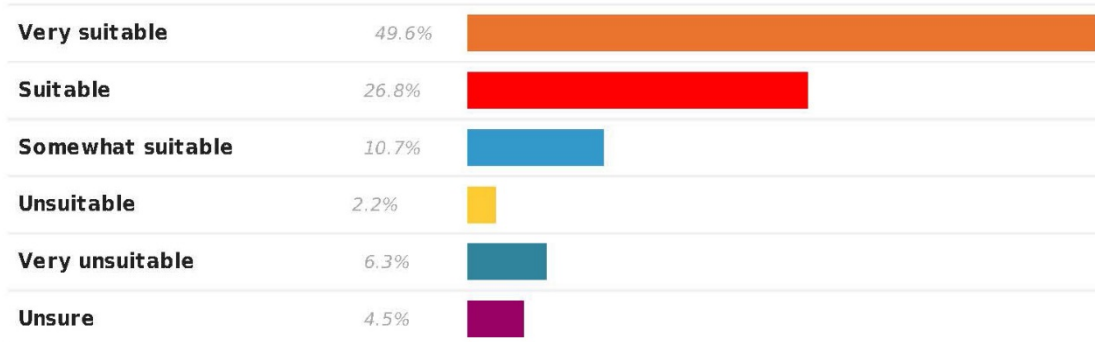
Concerns:

- needs to at least comprise to maintain the park

How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?

2. How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?

Response



Benefits:

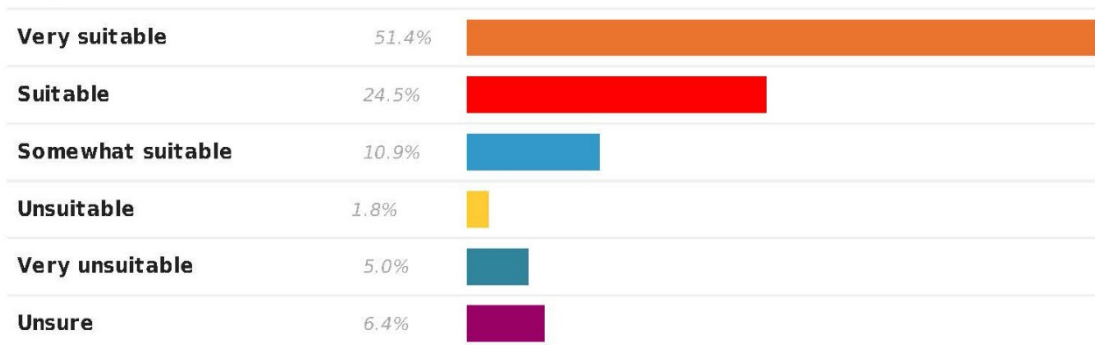
- possible benefits for the recreation centre and surrounding park
- adjacent to other services

Concerns:

- none at this time

How suitable do you consider this site in terms of how close it is to existing sewer trunk and truck routes?

Response



Benefits:

- extremely close
- good proximity to highway

Concerns:

- none at this time

What conditions would need to be met in order for you to consider this site suitable?

- appropriate amenities
- that enhance park values and recreational use
- maintain park and ride

TECHNCIAL COMMENTS

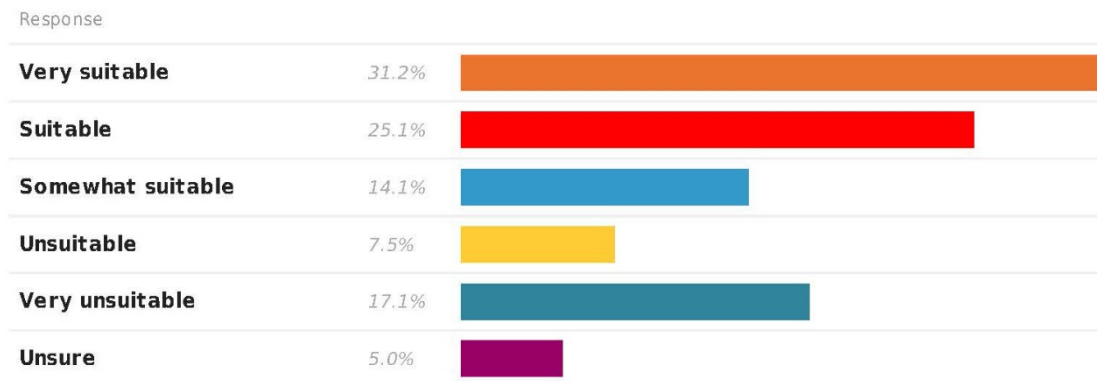
- Site 14 is sufficiently large enough to accommodate a sub-regional facility including liquids and residuals processing
- Site 14 is better suited to a distributed model to prevent directing large flows from the View Royal, Esquimalt and First Nations back up the sewer-shed (e.g. need for significant pipes and pump stations)
- Further study needed on governance for use of the Site 14 (inter-municipal lands) as wastewater facility and identifying the preferred location for any facility (e.g. identifying where there is surplus lands)

VIEW ROYAL NODE:

Preferred site:

There is only one site in this node View Royal Burnside & Watkiss (Site #16).

How suitable do you consider this site in terms of how the land is currently used, how wastewater resource facility would fit with the surrounding area and future plans for the community?



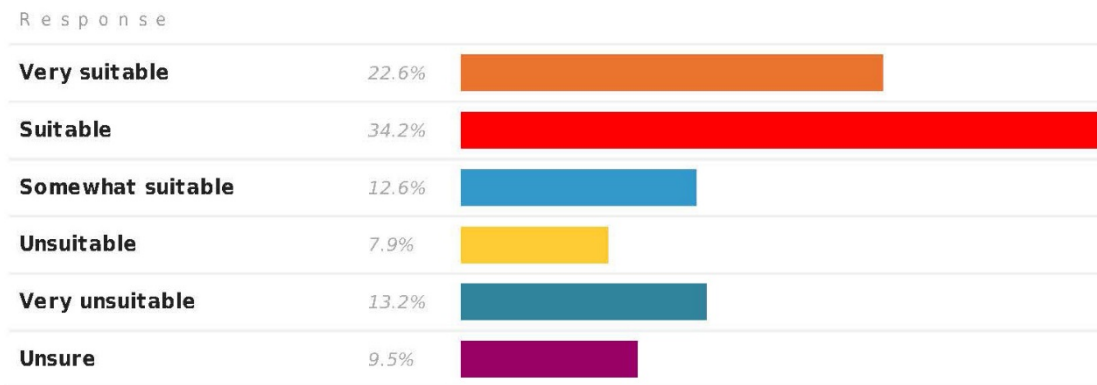
Benefits:

- publically owned and currently vacant
- not too close to residential
- good proximity to transportation and resource recovery opportunities

Concerns:

- parkland/recreation opportunities need to be reserved
- too close to hospital/school/residences
- possible archeological issues

How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



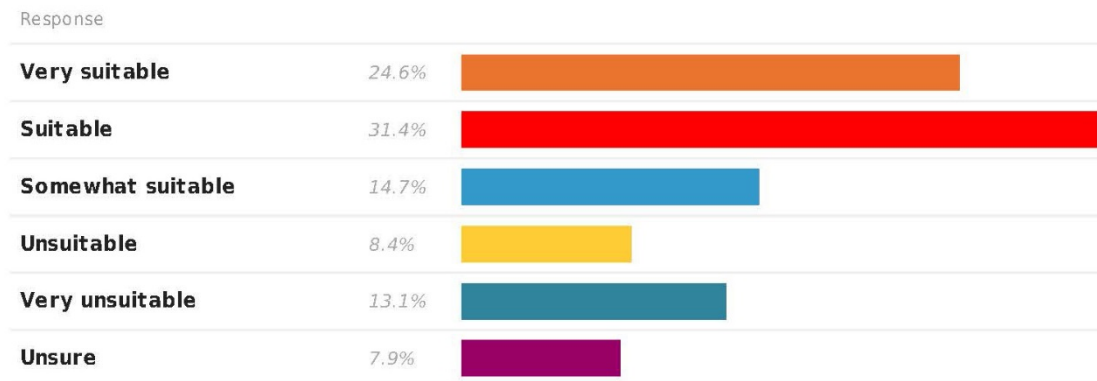
Benefits:

- good recovery opportunities with proximately to hospital and golf course

Concerns:

- size may limit possibilities
- not enough detail to fully comment

How suitable do you consider this site in terms of how close it is to existing sewer trunk and truck routes?



Benefits:

- near some truck routes

Concerns:

- not near a main highway
- not at the end of the pipe and may require more infrastructure like pump stations

What conditions would need to be met in order for you to consider this site suitable?

- integration into community and current uses including odour and noise control
- for the province to agree to either gift the land or negotiate a fair price
- separate access away from school

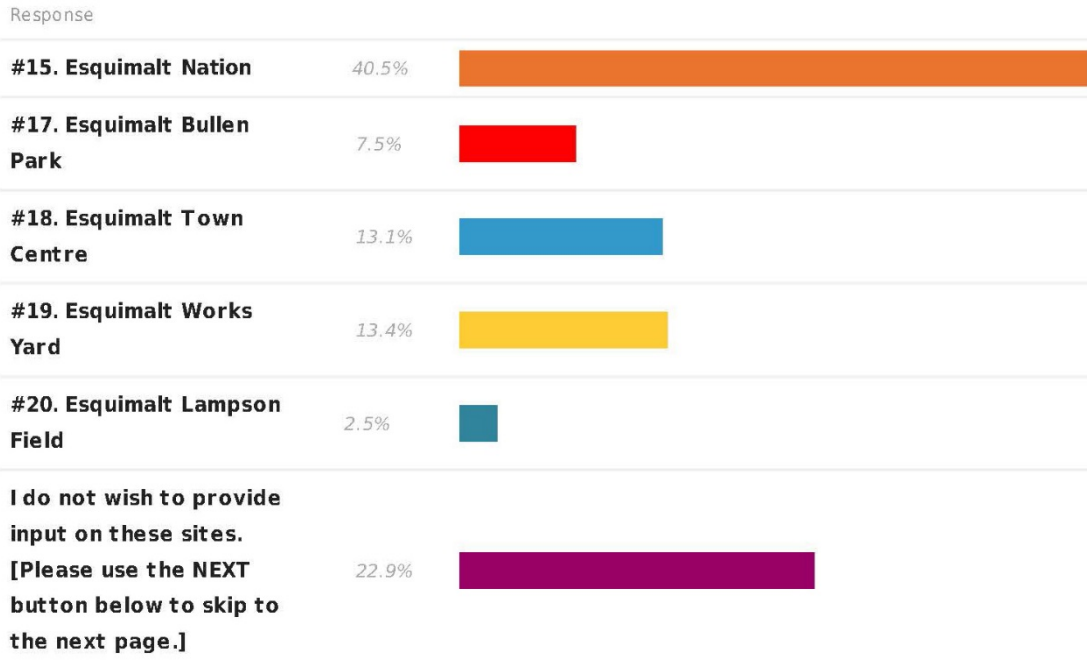
TECHNICAL COMMENTS

- BC Hydro right-of-way should be studied to incorporate any setback/limitations for new works (e.g. may limit site area significantly)
 - Servicing Site 14 in any distributed or dual model requires relatively high amounts of new infrastructure
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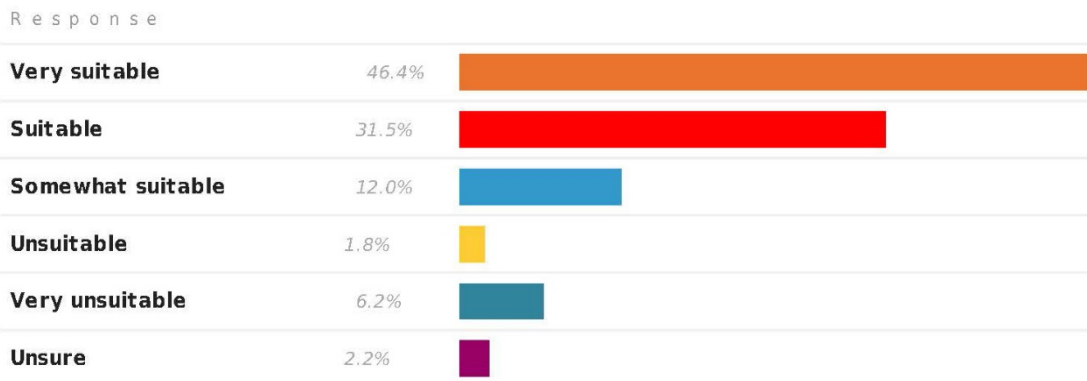
ESQUIMALT NODE:

Preferred site:

The majority of respondents chose the Esquimalt Nation (Site #15)



How suitable do you consider this site in terms of how the land is currently used, how wastewater resource facility would fit with the surrounding area and future plans for the community?



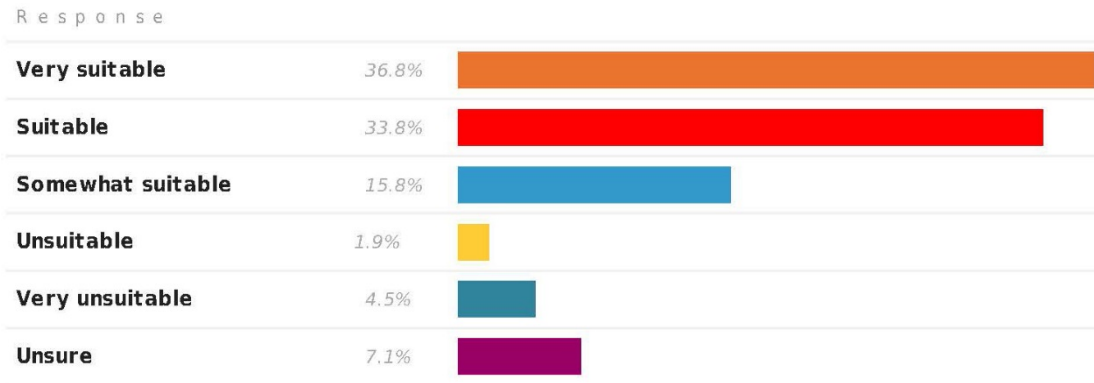
Benefits:

- site currently vacant
- has possibility to allow for expansion

Concerns:

- parkland and recreation opportunities need to be maintained
- must have secure access

How suitable do you consider this site in terms of potential for use of reclaimed water and energy recovered from the treatment process?



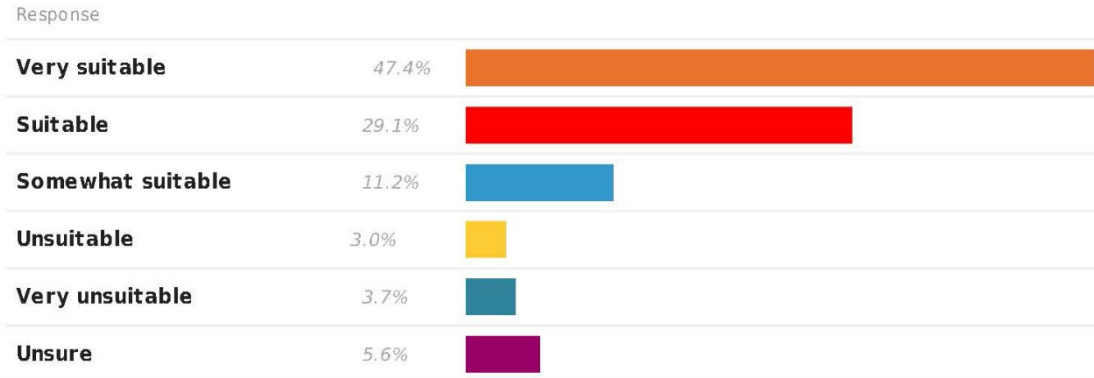
Benefits:

- potential for water reuse such as with the golf course
- future development possibilities for resource utilizations

Concerns:

- better opportunities elsewhere
- not a priority

How suitable do you consider this site in terms of how close it is to existing sewer trunk and truck routes?



Benefits:

- close to both sewer mains and truck routes

Concerns:

- could contribute to traffic congestion

What conditions would need to be met in order for you to consider this site suitable?

- agreements in place with Esquimalt Nation

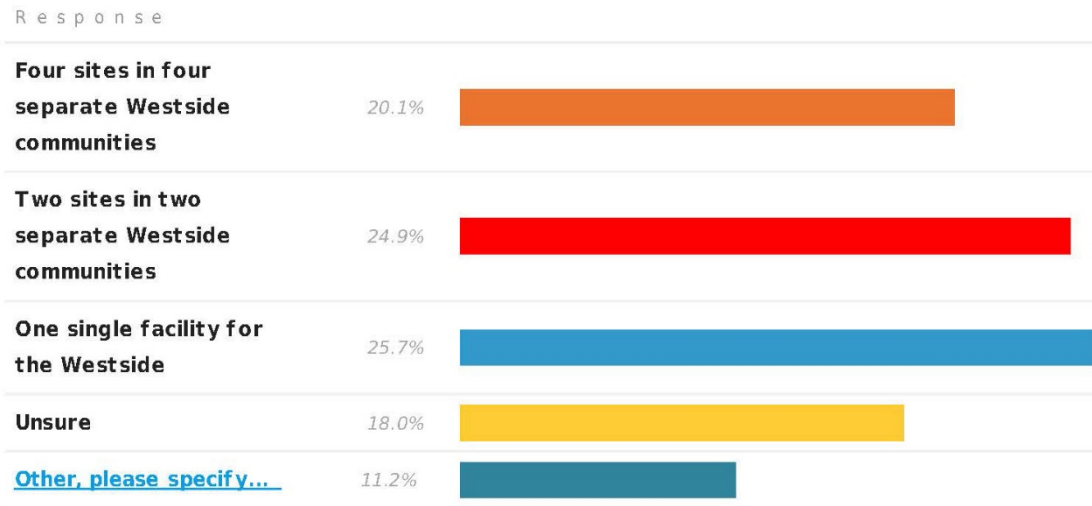
- proper odour, noise and traffic management

TECHNCIAL COMMENTS

- Site 15 is suitable for all Option Set configurations: 1 plant, 2 plant and 4 plant
- Possibilities to utilize other sites in Esquimalt site node for heat recovery or water reclamation
- Site 15 has high public support for both liquid and residuals treatment

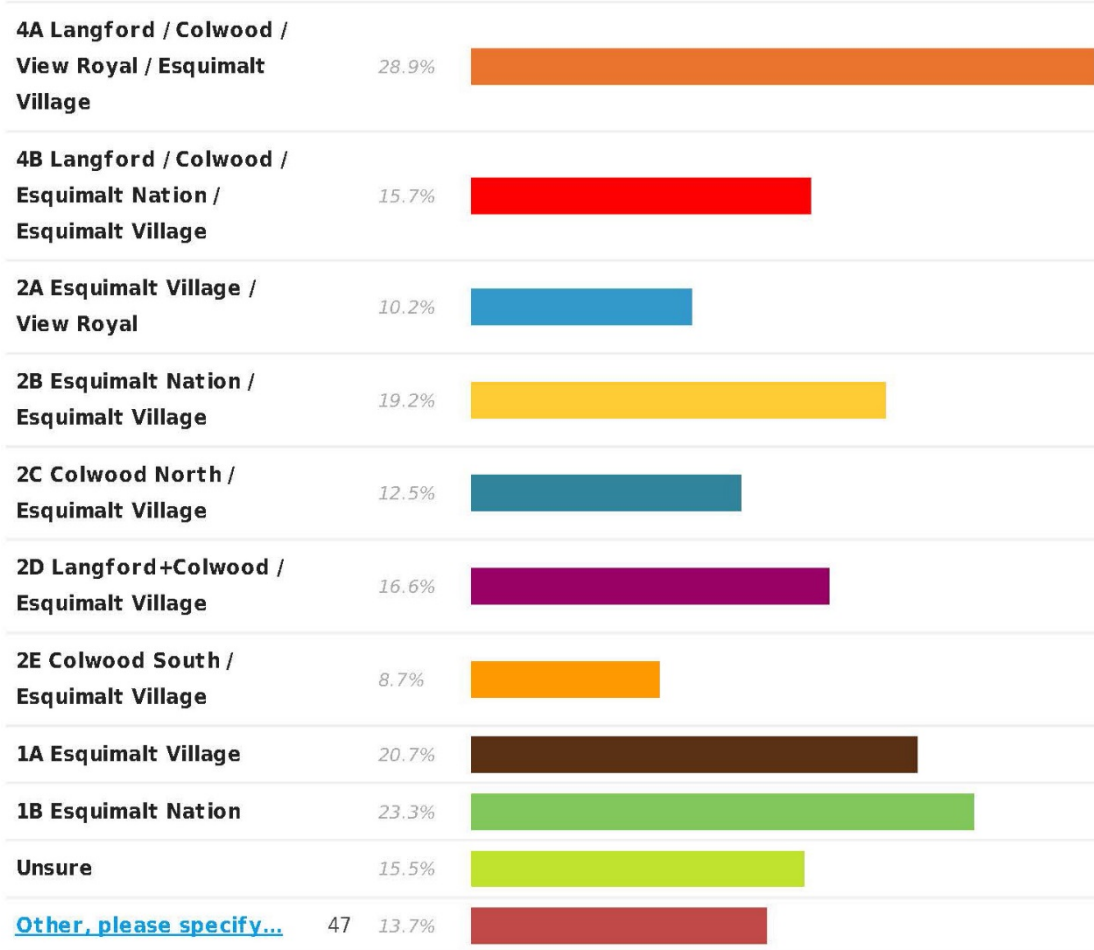
Number of sites:

What number of westside wastewater resource sites makes the most sense to you?



Of the sample option Sets presented, which option (s) do you feel should move forward for further technical analysis?

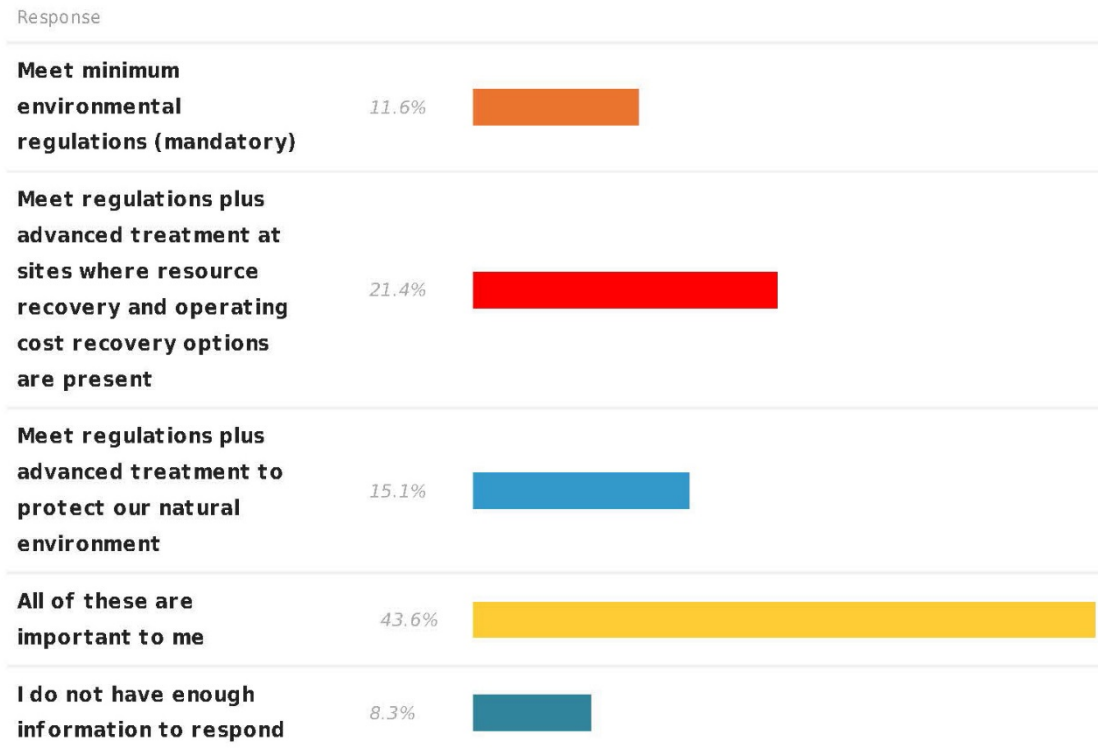
Response



Level of treatment:

Removal of Harmful Substances

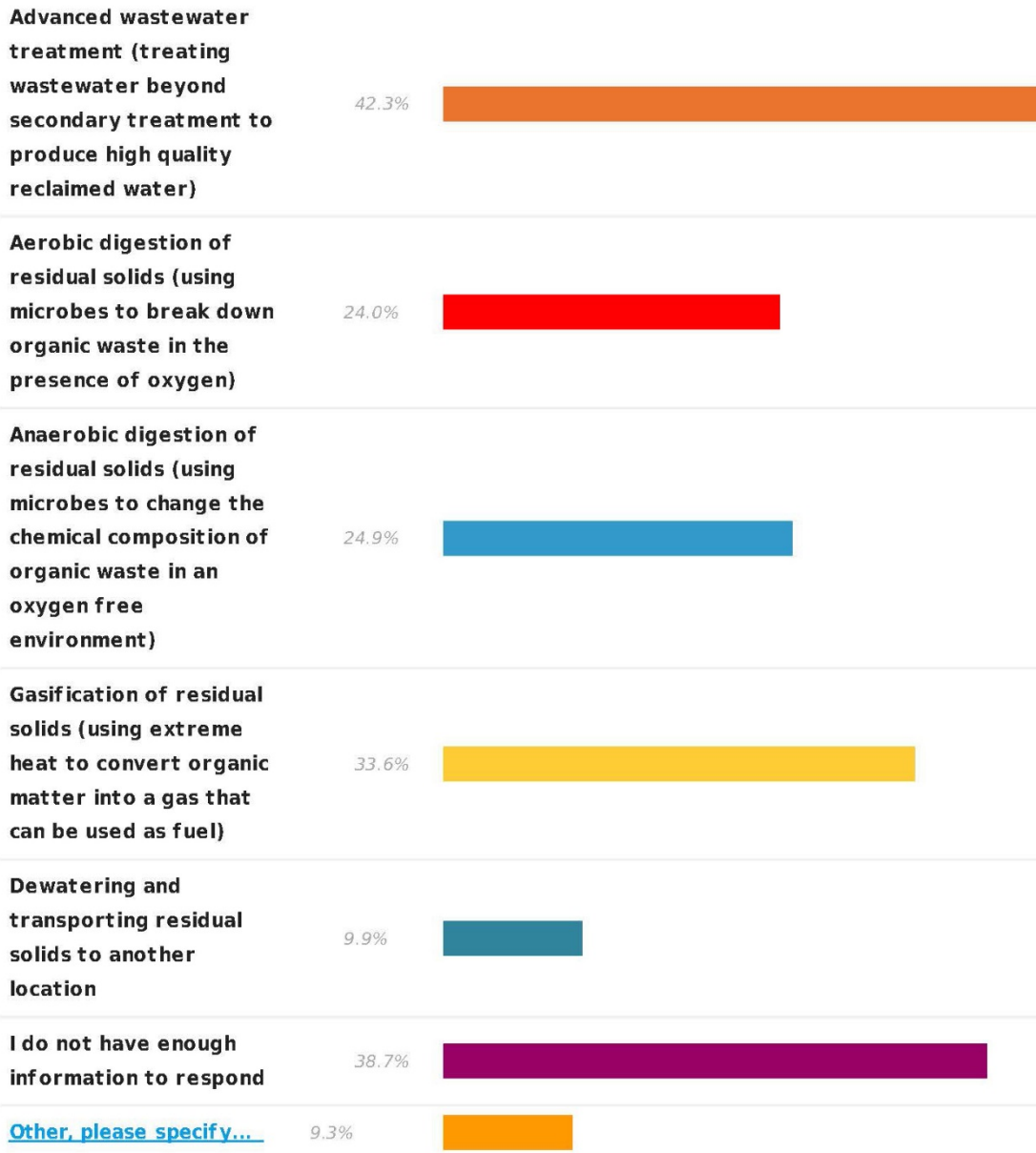
*To what degree do you think a wastewater resource facility should deal with harmful substances?
(Please select one.)*



Focusing in on Technology

What technology would you support in your community? (Please select all that apply.)

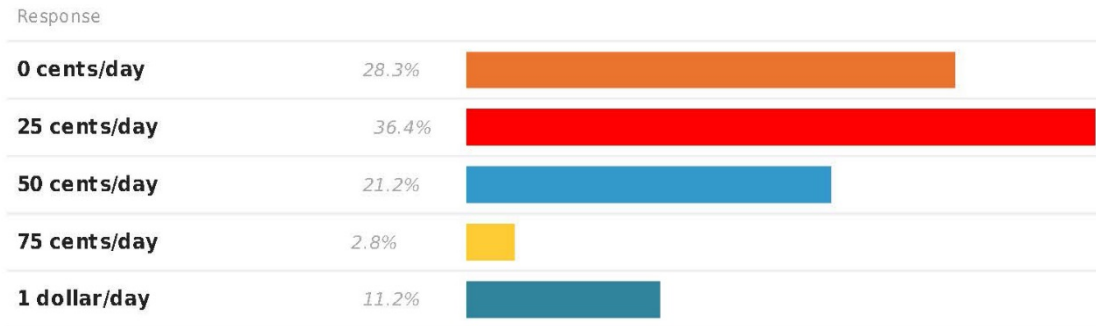
Response



Costs:

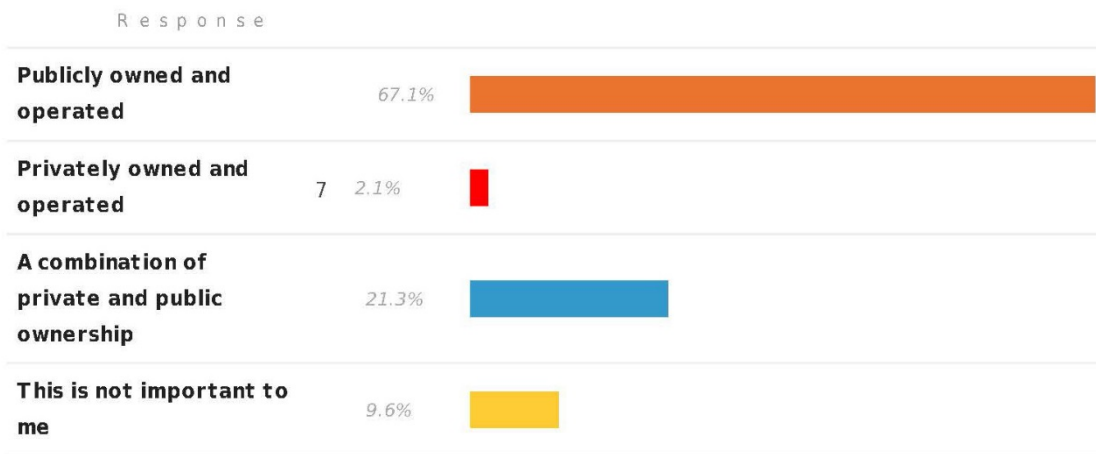
Breaking down the costs

Regulations require the region to treat wastewater to at least secondary treatment levels. If there were additional costs attached to a higher level of treatment, what would be a reasonable amount for each household to pay per day? (Please select one.)



Defining Ownership and Governance

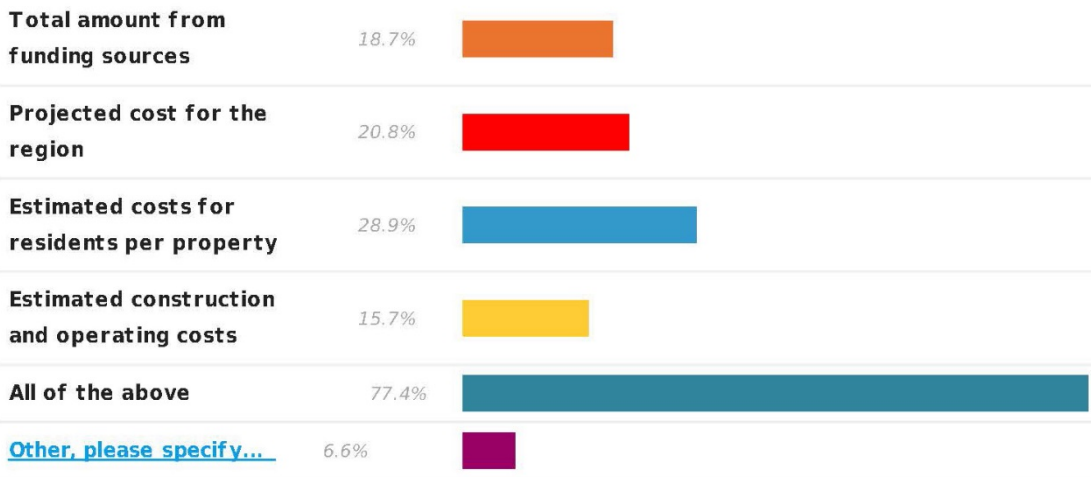
What is your view of the ideal ownership and governance of the site? (Please select one.)



Reporting on Financial Aspects

What information will you need in order to provide input into cost options over the course of the project? (Please select all that apply.)

Response

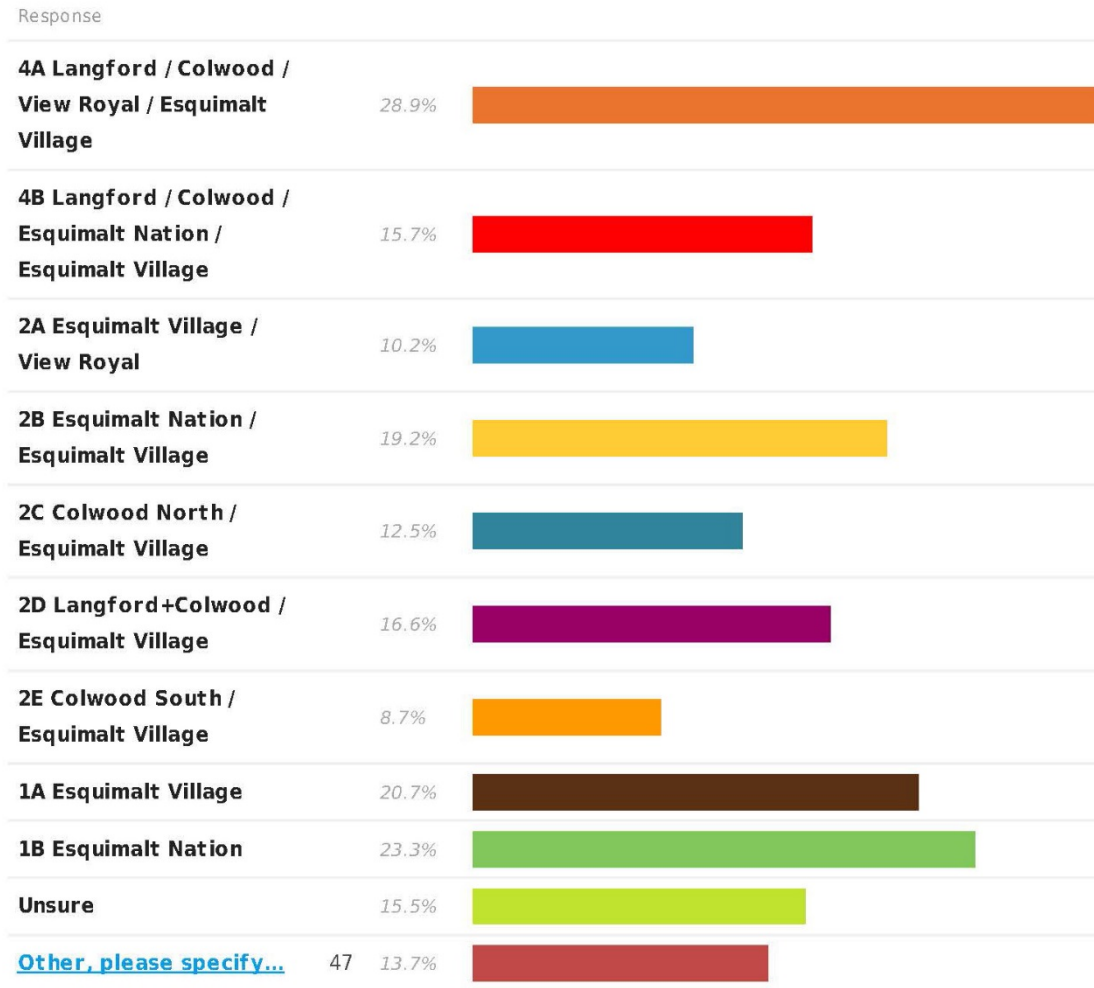


If your chosen wastewater resource solution would cost significantly more than another option, would that affect your choice?

Response



Responses by Community:



Conclusion:

While SiteSpeak has provided valuable information to help guide decision makers in moving forward in siting, designing, constructing and operating a wastewater treatment – resource recovery facility or facilities it is evident that there is both a need and desire for further public input into the process.

Further engagement activities must first provide clear updated information about options and should consist of a variety of methods and platforms to give the widest number of residents the opportunity to participate including:

- polling with targeted population samples
- continued input via the website
- community outreach activities

Even though this particular round of consultation occurred primarily over the summer it is clear that there is a very real demand by a considerable number of citizens to spend time and effort contributing

constructively to the process. It is important that the trust that is being established is maintained throughout the remainder of the project.