



Esquimalt IRM *Public Comments*

Prepared for:
Township of Esquimalt
4 November 2020



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4 November 2020

Dear Mr. Miller,

ESQUIMALT IRM - PUBLIC COMMENTS

During public engagement, respondents' comments were sought for each of the four questions as well as general comments. This document lists the responses received.

Yours truly,



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cc

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Table of Contents

1	Preface	2
2	Q1: Overall Support	3
3	Q2: Perception of Benefit.....	14
4	Q3: Concerns	23
5	Q4: Facility Location	32
6	General Comments.....	40

1 Preface

During public engagement, respondents' comments were sought for each of the four questions as well as general comments. This document lists the responses received. Not all the respondents answered every question, nor did they provide comments for every question.

All the comments received are reported herein, without exception or alteration, exactly as received. The survey system used by the Township reports individual IP (Internet Protocol) addresses for responses, so these are also reported. For privacy and confidentiality reasons, and to improve the impartiality of results, the actual identity of respondents was not tracked and is not known.

For further information on public engagement please refer to the Summary Report or contact Pivotal.

2 Q1: Overall Support

"What is your level of support for Esquimalt creating an integrated resource management facility?"

IP Address	Comment
24.69.193.39	Local processing to reduce transport
70.67.50.132	It is important to find alternative methods of using waste as a valuable commodity rather than as a nuisance taking up acres of landfill.
192.252.235.212	demonstrate leadership and actually make an impact on GHGs
154.20.45.178	Primarily for its environmental benefit of reducing GHG emissions and diverting waste from landfills. Secondly for its cost efficiency. Thirdly for its simplification of waste sorting at the household level.
207.6.183.225	It's climate change benefits and energy benefits for Esquimalt
24.69.200.159	The proposal sounds interesting, but at \$21 million I need to know more about the long-term benefits and potential cost-savings that will be passed on to residents.
70.67.45.248	This is win-win based on the information presented. Lower GHG emissions, address Hartland landfill restrictions, and possibly even generate income.
70.66.172.244	environmental benefits and climate change goals can be helped
204.191.179.50	to tackle climate change by reducing greenhouse gases
70.66.169.93	This is something that should be done as a region and set up at Hartland. We need to deal with things collectively, having a population of 15,000 deal with garbage in isolation of a population of 450,000 is a waste of money
24.68.225.81	This is the most progressive and environmentally friendly way to deal with the waste our communities generate.
70.67.56.75	Cost in a time when money is tight for everyone. Impact to property taxes was not clear to me.

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|-----------------|---|
| 173.181.101.102 | Esquimalt needs their own composting facility. |
| 50.98.167.60 | Appears to be an excellent way to meet our targets and provide enhanced services to the community. |
| 209.52.88.94 | It will create jobs and help the environment. If its anything like the famous facility in Europe, the town will be able to sell the byproduct and eventually be able to process some of the other greater Vic waste |
| 24.68.8.51 | Too expensive |
| 24.69.205.114 | It seems like it will benefit out air pollution |
| 24.69.133.30 | Interesting idea but concerned about risks |
| 172.218.235.236 | Gassification of materials is not recycling or diversion - there are much better higher value solutions such as composting, actual recycling into new products, and waste reduction efforts that make a better long term impact |
| 24.69.201.188 | It doesn't belong in a residential neighbourhood. Its not been done anywhere else before and this is an industrial application. Risks are too high compared to benefits. |
| 162.156.84.63 | Great opportunity for the township |
| 24.84.145.46 | Long term investment in our climate and also financially responsible. |
| 207.194.133.9 | After reading the FAQ, this seems like a no-brainer. Less cost plus less GHG emissions, plus useful byproduct, plus less landfill. Why would we not do this? |
| 184.69.124.230 | GHG reduction |
| 173.183.120.47 | it's the future for dealing with man's waste contaminants but needs to be science based |
| 199.7.159.40 | Good for environment & being a leader |
| 70.66.169.19 | We cannot keep dumping in the landfill. We must recycle or deal with our waste. IRM promises benefits, with possible revenue, over composting -- including dealing with a wider number of waste types. I think it's great that my community is looking at these alternatives. |
| 70.66.164.224 | Need more information |
| 64.114.222.234 | Landfills are not the answer. They will come back to haunt us. |
| 70.67.44.126 | Theoretically, it sounds wonderful. I just don't understand enough of the physics/etc. to give a 'strong in favour' |

70.66.166.29	Sounds like a sound environmental decision
70.66.179.239	This is a similar concept that was proposed in 2009 when the sewage treatment discussion started, the residents wanted all the waste to be processed on site.
70.66.172.179	Although a great idea, it should be coordinated at the regional level.
173.183.122.88	It's an incinerator. A really expensive one at that.
209.205.88.238	Great idea, very progressive move for Esquimalt
70.66.167.192	it has a strong business case and I support the potential GHG reductions
70.67.50.169	It makes sense to reduce our emissions through this process
75.154.249.172	Good to see the Township playing a leadership role - should generate learning and demonstrate positive results (even if all does not go as planned)... learning along the way.
209.205.88.238	There seem to be many benefits to this program including environmental ones
154.20.47.89	We need to divert from Hartland landfill before it becomes too full. Reusing energy in our own community is a win win. We need to be more green and cut our carbon emissions.
216.13.208.106	It is a smart method that could likely be expanded to assist in other uses such as dealing with biosolids and other waste materials.
96.54.245.233	reduces greenhouse gases
96.54.233.169	landfills create methane which is worse than carbon pollution. We're in a climate crisis.
70.66.254.45	Need to switch to a circular economy with zero waste. One municipality in the CRD has to take the lead to entice the others.
70.66.254.45	zero waste ; need to shift to circular economy; risks can be managed; one municipality has to take the lead on innovation so the other CRD municipalities will follow.
70.66.185.29	The cost on the tax payer and uncertainty of who will operate it
24.68.98.230	recycle
75.157.24.144	Anything that reduces our footprint and saves us money is a good thing.
107.190.24.120	Environmental benefits, proactive plan to address diverting waste from Hartland before it closes

107.190.24.120	Better than a dump
24.69.196.61	The proposal presented is a good way to reduce landfill and repurpose waste in a positive way.
70.66.184.248	We should be taking care of our own waste!
70.66.188.88	Great to see esquimalt enter the 21 century
70.66.184.248	Better resource than sending our recyclables to who knows where, and keep it out of the landfill. Better for the planet.
70.67.60.64	Excellent use of resource money. In line wiht values and priorities
154.5.145.40	We can't continue to dispose of this to Hartland Landfall.In the long run this will save us money.
70.67.52.188	It works well in conjunction with the Blue Box program and the human waste treatment program
154.20.44.239	1. Major reduction of GHG 2. Potential for tax reduction 3. Make Esquimalt an enviromental leader. The recognition could lead to more businesses in the community and enhance civic pride.
172.218.235.236	Should be done regionally
24.69.208.85	We already have a garden/kitchen waste program in place. So why are we duplicating this? It seems to me to be more of a money grab for the municipality than anything else.
205.250.53.78	While I support any project that would reduce GHG and curb landfill waste, I need more convincing this will be an odour free facility.
173.183.123.52	need to see more info
70.67.56.99	Sounds like we'll be able to manage the waste from our municipality in an environmentally responsible way.
70.67.44.53	Innovative, generates energy and revenue, reduces traffic to landfill, GHG reduction
75.157.27.116	It makes financial and conservation sense to me.
72.143.239.77	It makes economic and environmental good sense.
154.20.45.179	It looks like a great way to generate long term income and reducing landfill waste
173.183.121.9	The way of the future. We have to deal with our own refuse and we can use the end results (bio char)

70.66.167.25	We need to make sure our waste does not go to a landfill.
70.66.167.104	Esquimalt being proactive
70.66.154.155	Unproven as of yet.
70.66.177.189	Climate change emergency
70.67.48.151	Everything should be done to reduce dependence on traditional landfills, because they are not satisfactory or sustainable.
70.67.50.8	Seems unproven, despite claims. At 9000 tons for 1.7M O&M that's almost \$200 a ton to process, which is higher than hartland or transport to metro van facilities. Revenues seem to be a leap of faith and would require additional investment to get heat to the end user. Math is not adding up. Seems like a sales job. Let someone else in bc do it first, dont gamble our tax dollars.
70.67.56.73	reduce
107.190.20.30	It seems like an efficient green system that improves on the current one
173.183.120.227	Waste management is an issue in the region and this seems like a strong strategy from financial and environmental perspective
162.156.84.63	It is such an important environmental step towards becoming net zero emissions • GHG reduction • Heating & cooling, not electricity • Landfill diversion • Carbon sequestration
24.244.23.60	Sounds easier as far as sorting at home, and good for the environment
70.66.186.198	This is the future and the right thing to do financially and environmentally. A perfect plan as proposed and opportunity to showcase esquimalt as a true innovator.
154.20.47.249	Managing our municipal waste in a planful long term way is important. Possible cost recovery down the road.
70.66.172.177	The CRD voted against this option based upon poor financial outlook, Esquimalt doesn't need to be the front runner in our region for this technology.
24.69.193.180	I'd love to see us be a leader in green technologies
24.69.196.204	Need to know cost first
207.6.182.232	Waste should be managed at source.
70.66.177.234	its important to manage garbage and resources efficiently

70.67.52.53	Limited space , proximity to downtown (land value to great) uncertainty of the technology and risk of smell.
104.142.125.194	As long as it doesn't stink up my neighborhood or bring increased truck traffic.
154.20.45.35	All Island communities should be doing this. Esquimalt can show it's possible!
70.67.62.111	Would be great having a place close by
70.67.50.37	I dont know enough about it.
70.67.60.39	Meet the needs of waste management with less transport of materials to landfill
70.67.50.83	I will always support more green initiatives, it's more than important right now
70.66.161.214	It's good for the environment
204.191.179.50	cost benifit
70.66.177.162	It helps in regard to global warming, and we really have to stop using so much land just for garbage
50.92.249.27	Recycle don't burn it
206.87.177.45	We need to find wasy to ambitiously reduce GHGs and deal with waste in a new, environmental way. YET
154.20.46.120	GHG mitigation and economic development
209.205.88.211	Costs feel underestimated and best case scenario
70.67.49.173	Potential to eliminate microplastics polluting our oceans.
24.69.200.68	Anything that cuts down on the waste that could filter into our oceans is a good thing.
70.66.170.178	Brilliant in every way!
70.67.61.73	This should be a CRD project. We have very limited funds in Esquimalt. Unless the business ase is less than 4 months, please shut this down and focus on higher priorities
173.183.123.56	seems like a very responsible thing to do in addressing climate change and waste management
173.183.122.41	Less traffic to hartland and effective disposal of waste material

70.66.165.204	This seems like a very viable alternative to landfill and has benefits directly to the township as well.
154.20.46.154	To help with climate change goals
70.67.52.16	Home grown climate action
70.67.53.200	better waste management, aid to meet climate change goals
172.103.218.169	It is incredibly important to generate and consume energy in a responsible, environmentally friendly, and cost-effective manner. That said, I am concerned about the cost of investment in this IRM facility, and the timeline for return on that investment.
70.66.170.26	Forward thinking - considering the capacity limitations at Hartland and GHG emissions
204.191.179.50	Report errors and creative use of statistics
192.99.110.132	We need to replace the present system before the landfill has to be replaced. Finding a new site will be a major challenge.
24.69.217.96	It appears to work successfully in European countries and helps us to the Esquimalt goals for waste reduction.
172.98.82.13	Managing our resources effectively is food stewardship, saves \$ in the long run, sets a good, positive civic example of responsibility
209.52.88.19	Duplicates services
104.142.125.239	Landfill diversion
24.69.209.86	Sustainable approach to waste stream with benefit to environment and to taxpayers
173.183.120.210	Environmentally contentious change
70.66.160.111	reducing waste going to landfill, very efficient method of dealing with waste
70.66.165.204	Seems like an excellent way to protect our planet and reduce GHGs
70.66.174.4	Uncertain about the environmental impact of this technology.
209.52.88.26	Introducing an energy loop system had tremendous benefits to the community as does the reduction in GHG associated with transport of waste to Hartland.
70.66.166.29	Seems like a good step for the environment

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| 173.181.100.67 | Need to know more about it (short of watching a 90 minute video) but if it's reasonably cost-effective I strongly support it |
| 173.183.122.1 | Provided it lives up to expectations, it sounds very good |
| 70.67.56.43 | I've read the technical details and it looks like a cost-effective way to manage waste and sequester atmospheric carbon. |
| 70.67.61.85 | we need to reduce our waste |
| 104.142.126.74 | Environmentally and fiscally responsible. |
| 184.70.226.222 | anything to lessen emissions, reduce waste to Hartland, increase efficiencies, provide useful byproducts |
| 70.66.169.165 | To reduce waste and our carbon footprint |
| 70.67.61.85 | Handling wastes in a responsible manner is important. |
| 24.69.221.82 | Garden waste should be integrated into our green bins and utilized to make our community more self sustained. |
| 70.66.176.146 | This is a fantastic opportunity to reduce carbon emissions and create revenue. |
| 24.69.196.61 | Sounds like it might reduce landfill |
| 216.180.65.21 | The technology is very new and costly |
| 64.180.144.106 | Local leadership on environmental stewardship. |
| 24.69.210.24 | Responsible environmental stewardship |
| 24.69.209.27 | It seems to be an ecologically responsible way to manage the huge amounts of waste we produce |
| 70.66.173.36 | Enhancing community self sufficiency, creating a local revenue stream, re-envisioning 'waste' as a resource |
| 75.157.10.22 | More efficient use of resources. |
| 70.66.166.92 | We need to be part of a global solution to reducing waste & GHG |
| 70.66.166.92 | reduction in landfill, reuse of waste materials, alternate energy source for city |
| 154.20.44.152 | landfills are unhealthy and local solutions are preferable |
| 70.67.46.129 | Many reasons - ecological mainly. |

- 70.66.177.196 We are running out of time to tackle climate change and this will take a huge chunk out of our GHG emissions and it comes with many co-benefits on top of that.
- 70.66.185.104 Landfills are not the way to move forward for the planet
- 71.19.248.82 A process and contemporary approach in managing waste and our future.
- 108.172.255.10 We all need to work towards a sustainable future
- 70.66.167.197 No land waste
- 70.66.251.119 Responding to the climate crisis by tackling GHG emissions locally is critical. The proposed project also makes sense economically. Congratulations to Esquimalt for taking the lead
- 154.20.32.23 Briefly, while others "talk" about reducing landfill and carbon emissions, Esquimalt is looking to "do" something. Plus, the plant is guaranteed to perform or the company doesn't get paid.
- 24.85.252.35 I am very concerned about climate change and believe that the facility as analyzed by your science experts is one kind of solution
- 192.252.235.212 Reduces GHGs, deals with non-recyclable material and diverts it from landfill while generating energy.
- 66.220.149.29 IRM is quite visionary and a great solution for reducing solid waste, creating clean energy to displace fossil fuel use and reducing GHGs at the same time.
- 70.66.166.180 It sounds like a win win.
- 70.66.174.100 Proactive for environmental impact reduction.
- 70.66.174.100 This is a much better way of dealing with organic waste than what is currently in place. Isn't garden waste for all of the CRD currently trucked to the lower mainland? There has to be a better solution.
- 70.66.190.248 This makes environmental and economic sense. We need to address climate action now and this is a brilliant start and one that could make the citizens of Esquimalt proud and show the rest of North America what is possible.
- 70.66.188.224 Really significant action are need/critical to address the climate emergency
- 154.20.45.136 I support any reduction in waste and creation of clean energy.
- 70.66.184.201 Will probably stink, be over budget

- 70.66.189.58 The initial capital investment is quite high for the size of Esquimalt and may not see revenues for quite some time. Why wouldn't the CRD be doing this?
- 154.20.47.165 Resource conservation is extremely important but I am not sure that the current proposal is the BEST solution. More research and thinking should go into this before proceeding
- 142.104.165.184 job creation and better for the environment
- 70.67.44.53 landfill ongoing issue, would be good to create local alternative
- 24.244.23.120 Greener waste management
- 209.52.88.226 Details are few but it appears to be both environmentally beneficial and economically sound.
- 75.154.237.174 resource recovery is a step in the right direction for reducing our municipal waste
- 154.20.47.19 sustainability and green aspects
- 173.183.121.216 Concern about the environmental impact i.e. air pollution. And no knowledge about the company behind it.
- 24.69.201.11 This initiative helps advance climate action in the region.
- 70.67.45.179 Gasification seems like an environmental approach that would fit well in Esquimalt and move us toward our goals for sustainability.
- 70.67.48.163 it's important for Esquimalt to explore all possibilities to reduce our GHG emissions.
- 142.36.177.142 landfill reduction, cost effective waste disposal
- 70.67.60.129 I will take literally any improvement over what we have.
- 70.67.53.175 GHG reduction, waste management, etc. also I am from Europe and understand how beneficial it has been there.
- 24.69.217.172 Benefits to the environment, creative use of garbage that would otherwise go to the landfill
- 204.191.179.50 More effective waste management
- 104.254.92.222 It's about 30 years overdue.
- 72.143.232.113 It's a win win no brainer. Go for it.

70.67.58.137	Environmental benefits, business model and lack of significant local impacts
70.66.189.96	Zero waste is an admirable goal for Esquimalt
184.69.25.222	environmental impact, cost savings in the long run
70.66.172.57	The benefits of increasing our taxes with this project isn't abundently clear
24.69.209.27	Sounds like a no waste solution and I am all for that,
72.143.238.93	GHG reductions
70.67.49.219	The future is now!
154.20.44.230	The long-term environmental and fiscal benefits appear to out-weigh the costs.
70.66.173.49	I'd rather not be the first to have this in North America.
173.183.122.1	Somewhat opposed to construction of additional industrial style processing facilities. Seems like esquimalt is becoming the waste processing hub of greater Victoria with the waste treatment plant already under construction. It also seems that it would be better to use the waste to generate soil and fertilizer which is lacking on this side of the Malahat and keeps being trucked in. On the whole it seems like we're saving trucking but producing fuel instead of soil which may be more sustainable
70.66.172.217	Interested in cradle to cradle, making waste usable and not toxic
173.183.122.1	Seems like a good alternative to landfill.
209.121.229.125	Canteen Road proposed location is not acceptable as it is directly in a residential neighbourhood, not for waste biosolids held and burned in a gasifier
70.67.53.124	We have to find green solutions to manage waste and generate energy
75.154.243.84	It's the future to utilize our resources.
173.183.122.101	I'd love our community be part of reducing our cabin footprint
107.190.24.115	I have long thought that we should have a green bin program, and this is so much more inclusive than that.

3 Q2: Perception of Benefit

"How much do you think IRM in the Township of Esquimalt would be of benefit, to residents and/or to the environment?"

IP Address	Comment
192.252.235.212	reduction in GHGs, energy for pool and ice rink
154.20.45.178	Environmental benefit, cost benefit, Household waste sorting benefit
207.6.183.225	Energy opportunities, reduction of gigs, reduce use of landfill and wear on trucks
24.69.200.159	Reducing GHG emissions, providing an in-house waste management solution and simplifying waste management
70.67.45.248	The benefit is positive, though the extent of the benefit may be overstated in the materials presented. It would be more helpful to show a range based upon the scenarios as to how it is implemented.
204.191.179.50	long term renewable energy source, more self-sufficiency, less trucking of waste creating emissions in town
70.66.169.93	As the previous question, Esquimalts waste is a small portion to the greater regions waste and wouldn't stop the need for the CRD to expand the Hartland dump. Plus this concept wouldn't take in the waste from the private garbage haulers we have in Esquimalt
24.68.225.81	Because it converts 95% or more of waste into energy and biochar with negligible amount of ash. Compare that to landfill or even totally inefficient anaerobic digesters.
70.67.56.75	The township is very small in comparison to surrounding communities and thereby has less of an impact.
173.181.101.102	Reducing pollution
50.98.167.60	IRM would benefit the environment greatly.

209.52.88.94	same reasons as before. Jobs, revenue from by-product and smaller landfill waste
24.68.8.51	Will other municipalities pay us and will we sell the products
172.218.235.236	There are no easy solutions - and these technologies have never delivered the anticipated benefits. Waste prevention and circular economy solutions are the long term goals to achieve
207.194.133.9	See prior answer.
184.69.124.230	GHG reduction, reduced pressure on landfill
173.183.120.47	benefits will only accrue if it is science based and the right options are chosen
199.7.159.40	Reducing waste
70.66.169.19	The benefits are significant to me
70.66.164.224	Only if initial costs DO NOT raise property taxes. Our taxes are already one of the highest in GVRD
64.114.222.234	Moving us into the future before its too late.
70.67.44.126	This is a good start, seems very do-able, and make better ecological use of our waste. We do need to consider other ways to deal with our township's pollution.
70.66.179.239	No more trucking to Hartland, use of energy and biochar that is generated. Possible partnership with First Nations and DND.
173.183.122.88	Because the toxic exhaust it produces will make people sick.
209.205.88.238	Forward thinking municipality
70.66.167.192	Potential source of revenue, good environmental stewardship and much better use of waste!
70.67.50.169	It will reduce emissions and should provide income to help offset costs. Hartland is old fashioned and wasteful
75.154.249.172	Diversion and utilization of "waste" for positive things!
209.205.88.238	Based on the presentation and Q&A sessions there seem to be few negative sides
154.20.47.89	Again, using our own waste to create energy for our community is a great solution.

216.13.208.106	see previous answer
96.54.233.169	Energy is produced from gasification which benefits residents
70.66.254.45	prolong the use of heartland Land Fill; resource recovery benefits for Esquimalt; leading municipality in Canada for zero waste
70.66.254.45	financial return to township; opportunity to redevelop town centre with heating loop. bragging rights to be the first small community in Canada with zero waste
24.68.98.230	fuel generation, lower cost.
75.157.24.144	Great reduction in waste.
107.190.24.120	Divert solid waste from landfill, produce biochar for sale
24.69.196.61	Regardless of potential financial benefits, the reduction of landfill and using waste to heat/cool the core is a great benefit.
70.66.184.248	It would give us a lot of ecological benefits
70.66.188.88	Less to Hartland
70.66.184.248	cleans up our own backyard.
70.67.60.64	Reduction of sorting. Revenue streams, and overall improved environmental impact of current systems
154.5.145.40	Long term savings.
70.67.52.188	The technology works more effectively in more domains.
154.20.44.239	1. Potential to reduce taxes 2. Reduction of GHG
172.218.235.236	Environmental claims do not account for waste diversion or crd improvements at Hartland
24.69.208.85	See answer to previous question.
70.67.56.99	It will reduce our negative environmental impact and ideally create some jobs.
75.157.27.116	Reduction in waste and potential reduction in property taxes
72.143.239.77	There is no "away". We should all be responsible for dealing with our "waste". This "waste" should be seen as a resource.
154.20.45.179	The dump is filling and energy prices rising, all regions in the crd will have to find alternative soon

173.183.121.9	Bio char. Not talking our garbage on another site (Hartland) less transportation of garbage
70.66.167.25	We would be doing our part in waste management.
70.66.167.104	eventually will benefit to have this in place....for cost, and GHG
70.66.154.155	Cost vs benefit is the big concern. If CRD does not advance IRM with a bigger budget and staff to explore, why is Esquimalt so convinced it will work?
70.66.177.189	Higher global benefit
209.52.88.56	Less trucks to ship elsewhere
70.67.48.151	I am intrigued by the possibility of creating biochar, which is an extremely beneficial part of soil remediation and improvement.
70.67.50.8	Not convinced that everything will be as perfect and smooth as proponent says. Tough to get rid of biochar still for example. This could add costs if assumptions are that there's a market for this.
162.156.84.63	Better use of our waste, produce energy and make our community and environmental leader
24.244.23.60	Sounds like a modern ethical solution to waste issues
70.66.186.198	\$360 annual return for residents sounds good. Anything to reduce property taxes will be broadly favorable and this is a better environmental approach.
154.20.47.249	Cost recovery, product is usable to heat municipal facilities
70.66.172.177	The financial balance didn't work at a regional level and it won't work at a municipal level.
24.69.196.204	Need to know the cost first
207.6.182.232	Reduced transport cost; potential to generate electricity to power garbage trucks.
70.66.177.234	lower taxes from the province, less in transportation costs, energizing community attitudes
104.142.125.194	From the PowerPoint provided for this project it looks promising for the environment
154.20.45.35	Less need to separate wastes = less contamination in waste, recycling or compost streams
70.67.50.37	I dont know enough about it.

70.67.60.39	Does not address source, but better option than status quo
70.66.161.214	the decrease of pollution
70.66.177.162	It gives us all an opportunity to participate in combatting global warming, and also makes us less dependent on using land for waste
50.92.249.27	everyone will have to breathe the fumes
206.87.177.45	If pollutants are strictly controlled.
209.205.88.211	New jobs, reduced GHG emissions
70.67.49.173	It generate heat that can be distributed to households.
70.66.170.178	high environmental benefits,
70.67.61.73	Value for money is critical. We need Esquimalt Neighbourhood Plans before this. Will Esquimalt have a supported plan for 50% more population.
173.183.123.56	same as before plus less sorting
173.183.122.41	Less emissions
154.5.236.152	don't know enough about it
70.66.165.204	Avoiding burning, pile up, and harmful emissions is a good thing.
172.103.218.169	The magnitude of carbon offset is fantastic, as is the reduction of landfilling. The resulting Bio char product would prove valuable to homeowners with gardens.
70.66.170.26	Beneficial to the environment and hopefully, of financial benefit to residents
204.191.179.50	Report errors and creative use of statistics
192.99.110.132	It will save the Township from having to participate in the process of finding a new landfill.
172.98.82.13	We need to move with the times in the manner we manage our resources, how they are used
209.52.88.19	Not sure
104.142.125.239	Simplified waste streams would facilitate diversion for residents facing challenges.
24.69.209.86	Offset landfill waste, create sustainable energy/heat, viable/sellable end product (char)

70.66.165.204	Enviro friendly and potential monetary benefits
209.52.88.26	Beneficial as it provides new incentives for redevelopment of lands and existing buildings to connect to district energy loop.
70.66.166.29	Pride that treating our kitchen and garden wastes are helping the environment
70.67.56.43	I don't think the locals would notice much day-to-day benefit, but I think the environmental impact would be huge, relative to what we're capable of as a small community.
70.67.61.85	we will be reducing the amount of waste that goes into the environment endangering animals on land and sea
104.142.126.74	addresses environmental concerns and generates revenue
184.70.226.222	seems like cost efficiencies would be benefit, plus increased awareness, knowledge and pride for doing the right thing
70.66.169.165	Reduce long term waste costs and operational costs of public buildings
70.67.61.85	It's a responsible waste disposal system.
24.69.221.82	Most waste picked up by our fortnightly pick up. Saves people transporting themselves and extra vehicle traffic on road as well as the benefits of the IRM process as well.
70.66.176.146	Potential profit, reduced greenhouse emissions from reduced transport, carbon capture in biochar, district heating, biochar for residents.
24.69.196.61	Reducing landfill, gasifying should make it usable.
216.180.65.21	I've done some research on IRM and gasification and the results are mixed. Some critics say the process is actually more harmful to the environment.
24.69.210.24	Fewer GHG's
70.66.166.92	waste reduction and reuse, it what appears a lower GHG emission rate than FF burning and reduces need for waste trucking & storage, reduction in habitat loss from expanded waste dumping
70.67.46.129	Less land fill, economic benefit
70.66.177.196	It would save the town money in the long run and provide dividends to the residents. As for the environment the benefits would be massive by creating clean energy to reduce reliance on fossil fuels.

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| 71.19.248.82 | On two fronts - one -of leadership responding to protection of our environment and two- to integrating our economic interests and our social contracts. |
| 108.172.255.10 | So much better than the current approach to waste management |
| 70.66.167.197 | Recycling waste to energy |
| 70.66.251.119 | 1. Economically the cheapest way of dealing with municipal waste. 2. Defers or avoids the need for expanding the landfill. 3. Massive GHG reduction |
| 154.20.32.23 | From the reports in the video, this process not only deals the plastics in waste, but the waste generates revenue, an estimated \$360 annual benefit for each household |
| 66.220.149.29 | Same reason! We need to address climate change and reduce our waste stream. Esquimalt has declared a climate emergency. |
| 70.66.166.180 | We need to reduce the excessive volume of material taken to the Hartland Landfill. |
| 70.66.174.100 | It localizes and reduces waste with the added benefit of energy reduction and generation. |
| 70.66.174.100 | Any time we avoid transporting anything out of the area is a benefit to the environment. Also, any energy produced that is not releasing great amounts of carbon into the atmosphere is also beneficial to the environment. Anything that is good for the environment is good for residents in the long run. |
| 70.66.190.248 | We have the ability to do this and there is no reason why we shouldn't. It makes economic and environmental sense, the consultants are local, the Township declared a climate emergency and needs to walk its talk, and we don't have time to delay. This project is a great fit and could put Esquimalt on the map for all of North America. If there is opposition, it's either from a lack of knowledge, ignorance or personal self interest. |
| 70.66.188.224 | Just knowing that some significant action is being taken starts to bring hope that the climate emergency can be tackled |
| 70.66.189.58 | This is a study and so the benefits are based on assumptions in ideal conditions.....this seems like a high risk venture. |
| 154.20.47.165 | We have to do our part to reduce our environmental footprint. As Canadians, it's what we do best. |
| 142.104.165.184 | job creation, and attracting other like-minded businesses |

70.67.44.53	reduce GHGs, create alternative source for managing hard-to-manage wastes, create alternative energy sources
209.52.88.226	It's not a panacea for either environmental or cost issues, but may help a bit with both
154.20.47.19	sustainability and green aspects of the project
173.183.121.216	Often more damage is done with treating/incinerating plastics and waste than otherwise
24.69.201.11	We need to find every opportunity to reduce our GHG emissions. This is a small but important action to help us get there. While I'd prefer the focus was on vehicles vs buildings - every step we can take in this direction is positive.
70.67.45.179	Bio-char production. Local. Good impact for our environment.
70.67.48.163	reducing waste and GHG emissions is a great benefit to the community
142.36.177.142	While not all waste is eligible, it eliminates a substantial of non-recyclable product going to the landfill.
70.67.60.129	Because it's better than going to Heartland or the sea. And presumably would generate some revenue, though I don't know how much.
70.67.53.175	make waste management more efficient. jobs, green energy, knowledge that my garbage is being disposed of in an advanced way (rather than merely being put in a hole)
204.191.179.50	probably small benefit but needed
104.254.92.222	It's the third "R".
70.67.58.137	net environmental GHG impact, relatively low cost, demonstrates leadership, possible spinoff opportunities
70.66.189.96	Green technology + jobs = a winner!
70.66.172.57	Isn't yard waste and kitchen scraps already being composted
24.69.209.27	the climate change benefits mostly
72.143.238.93	GHG reduction
154.20.44.230	This could be a very important next step in managing and protecting our environment.

- 173.183.122.1 On one hand it's good to process it locally to make fuel and save trucking, on the other, we are making fuel and not soil and fertilizer which may be more sustainable
- 70.66.172.217 Using our waste without harming ourselves lessening effect in environment
- 173.183.122.1 Local waste management with potential revenue
- 209.121.229.125 no place in a residential neighbourhood for a biosolid delivery, storage and burning facility - build it closer to municipal hall, at the township-owned lot beside or under the new public safety building so there will be no distance between the facility and its destination for the energy created
- 75.154.243.84 Simplified resource management and lower energy operating costs and mitigating risk of increasing price on carbon.
- 107.190.24.115 Jobs, reduction of waste and a cleaner environment

4 Q3: Concerns

"What is your level of concern about this Township of Esquimalt IRM initiative?"

IP Address	Comment
192.252.235.212	slight concern re risk, but there's rarely a reward without a risk
154.20.45.178	I'd love to know what the concerns are, but there don't seem to be any ...
24.69.200.159	Mostly the cost and the physical risks (explosion, combustion etc.) of the plant
70.66.169.93	Concerned about not waste in engery of developing a solo plan over creating initiatives for Regional IRM solution
24.68.225.81	I this this IRM proposal should include sewage sludge for many reasons, the main one it can turn sewage sludge into energy while at the same time getting rid of the myriad of toxins and pathogenic organisms that sewage sludge contains. Esquimalt can divert its portion of sewage sludge from the CRD secondary treatment plant. This would greatly increase Esquimalt's protection of the environment and would show the CRD how it should be done.
70.67.56.75	We need businesses in our Community to drive economic growth.
173.181.101.102	Esquimalt needs to move into the future to benefit its citizens.
50.98.167.60	I trust that municipal leaders and staff members do their due diligence in proposal development. They wouldn't put this forward if they didn't best serve our community.
24.68.8.51	Too expensive
172.218.235.236	No technolgoies have delivered the benifits outlined in the video. The Enerkem facility in Edmonton has been delayed over 10 years and is not achieving what was expected in the project proposal. Project costs have also increased to \$127/tonne for disposal fees as of 2018
207.194.133.9	Seems like very few downsides, other than initial cost. PLEASE DO DUE DILIGENCE ON PROCUREMENT!!!

184.69.124.230	I'm not familiar with the technology
173.183.120.47	difficulties in finding appropriate operational information based on actual plant experience throughout the world
199.7.159.40	Uncertain of neighbour extra noises through the night or other disturbances
70.66.169.19	I would like to know if the design being considered is experimental or if there are actual facilities running elsewhere in the world. Is the running plant robust in terms of continuous operation (is it prone to breaking, how much maintenance is required, how much downtime). Also, taxpayer costs and yearly costs, versus cost of not doing anything. Is potential income attainable?
70.66.164.224	Costs and effect to surrounding neighbors and properties.
64.114.222.234	We have to pay to deal with our waste now or pay a much higher price later.
70.67.44.126	I am not sure what kind of concern you are looking for. I watched the video, and it does seem that IRM is a good beginning at addressing pollution/carbon-footprint in our township.
70.66.179.239	Initial Cost of infrastructure.
70.66.172.179	What can go wrong? If things go wrong how does this affect Esquimalt and it's residents - both financially and environmentally.
173.183.122.88	Because we're already going to spend \$43M on a new fire hall we don't need. Even more pet projects are ludicrous.
209.205.88.238	It's been done before at dockside green and worldwide
70.66.167.192	I have concerns that it won't be as effective as it proposes or that it costs way more than expected.
70.67.50.169	My main concern would be the cost and whether or not it will be expensive financially while being beneficial to health
75.154.249.172	Main risks appear to be in the finances (who pays upfront for potential benefits as the plant becomes operational) and the operations (the realities of variations in feedstock, syngas production challenges and costs, energy needs for the gasification if syngas production is variable, characteristics and quality of biochar, etc.)
209.205.88.238	The presenters answered the questions to allay any concerns I had
154.20.47.89	I trust our council and municipal staff to make good decisions for our welfare. That is why I am against amalgamation of the diverse communities within the CRD staff

216.13.208.106	Important that outside forces do not try to handicap thru regulation. Costs should be at least neutral.
96.54.233.169	Seems like we must do this to save the planet.
70.66.254.45	strong benefits. Few downsides; Risks can be managed with private sector shouldering the risk.
70.66.254.45	risks can be managed. Small scale and manageable. Township need the political courage to approve the project in principle subject to more detailed analysis.
70.66.185.29	Sounds to much like a Public private partnership and would not be good for us.
24.68.98.230	n/a
75.157.24.144	I think it is a great idea.
107.190.24.120	Lack of examples in N. America, lack of knowledge at local level
107.190.24.120	Concerned savings won't be passed on to residents
24.69.196.61	Like any project there are risks.
70.66.184.248	I'm not concerned
70.66.188.88	Try some thing new
70.67.60.64	Important project. Want to see my tax money well spent.
154.5.145.40	It will be beneficial to us all.
70.67.52.188	Inevitably there are risks to be overcome.
154.20.44.239	1. The benefits as described in the various literature could be overstated. 2. The technology is 'bleeding' edge and could encounter many unforeseen potentially costly problems during implementation and initial startup.
172.218.235.236	City does not have the engineer capacity to evaluate or manage the risk from committing to an experimental technology
24.69.208.85	Is this going to impact my taxes by having a separate garbage pickup for kitchen and garden waste? I'm on a limited income and can not afford the ever increasing tax load. Like most people, I'm more concerned about COVID than I am about this initiative.
75.157.27.116	I'm just not.
72.143.239.77	Cost control is always a concern of mine.

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| 154.20.45.179 | Im worried about being about long term contracts to resell the energy and the income generated vs capital cost |
| 173.183.121.9 | Still only in exploration stage |
| 70.66.167.25 | It would be good for Esquimalt. |
| 70.66.167.104 | to blend in and not be an eyesore..... and any fumes |
| 70.66.154.155 | Being first is sometimes good, sometimes not. Why expose us to this risk? |
| 70.66.177.189 | Risk of cost over runs |
| 209.52.88.56 | do not want more taxes |
| 70.67.48.151 | Because in my opinion the present compost recycling program has not worked well, because it does not incorporate garden waste, which is an extremely important part of organics management. |
| 70.67.50.8 | I dont believe decision makers are fully informed of potential pitfalls. With the desire to reduce co2 and go green, its tempting to have blind faith and want something to work, dismissing dissenting views. Hire a professional engineer to conduct a proper feasibility study then I'd buy it. |
| 173.183.120.227 | traffic issues on esquimalt rd? So much residential building is also happy in the area... |
| 162.156.84.63 | This is the right thing to do and signals to people outside of Esquimalt that this is a community I might want to be part of |
| 70.66.186.198 | It is a very good plan - no concerns. |
| 154.20.47.249 | I would like more information on other IRMs, where they are, how successful they have been, small scale and large scale, cost effectiveness, ability to generate income, savings etc. Would like information on any areas of concerns, noise, odour, traffic, maintenance cost of these kind of plants. |
| 70.66.172.177 | I am concerned that Esquimalt will expend money on an unproven technology that in addition to financial can have environmental risks (pls assess emissions risks). |
| 24.69.196.204 | Need to know the cost to be able to give opinion |
| 207.6.182.232 | Need a proven tech, not an expensive experiment; emissions incl fumes, reliably controlled. |
| 70.66.177.234 | will we get the truth about what is being done and what it costs |
| 104.142.125.194 | I'm worried this will end up stinking up my neighborhood and increading truck traffic |

154.20.45.35	I'm concerned people will only focus on the financial cost rather than the revenue and environmental stewardship. Many are having a challenging time paying anticipated costs and this could be seen as too much.
70.66.161.214	with anything there is always a level of concern
70.66.177.162	The cost and also where it would be located
50.92.249.27	Which one percenter will make the profits
209.205.88.211	Cost overruns, more industrialization of the city
70.67.61.73	this may be of interest, but not a priority compared to other work in Esquimalt. Focus on medical services, affordable housing, opioid crisis, homeless, covid, ...
173.183.123.56	cost and whether the taxpayer will be burdened
173.183.122.41	Other municipalities may want to utilize our facilities
70.66.165.204	The initial outlay of cash is large.
70.67.52.16	I'd like to a work of public art with this project
70.67.53.200	will need to be managed carefully on a continual basis
172.103.218.169	Potential cost to taxpayers like myself.
204.191.179.50	Report errors and creative use of statistics
192.99.110.132	Concern will only come when we are ready to approve the project.
75.154.238.124	cost to Esquimalt tax payers
24.69.217.96	I didnt hear anything about odours. Other than this I think it sounds very progressive.
172.98.82.13	As a senior, I can say this without bias or penalty
209.52.88.19	No interest
104.142.125.239	The tech is routine, the financial case is promising, and waste management is the domain of municipalities.
24.69.209.86	While there is some financial risk getting it up and running, the upsides outweigh status quo - plus, it's not unproven technology and Esquimalt has the opportunity to lead the way for the region
70.66.160.111	concerned about cost -if this is so good why not being looked at by other municipalities

75.157.26.155	Still learning
70.66.165.204	Cost.
70.66.174.4	Major project will be costly, easily mismanaged, new technology may not provide positive returns.
209.52.88.26	Capital costs
142.29.196.60	Depending on the cost will concern me
173.181.100.67	Concerned costs may escalate
70.67.56.43	With James Pratt involved in the project, I'm confident that due diligence will be done to prevent harm.
70.67.61.85	it has been done successfully elsewhere
104.142.126.74	Unclear why everyone isn't doing this already, so some project / implementation related risks.
184.70.226.222	taking our input, then nothing transpires from the data; nothing actually gets done
70.67.61.85	It will pacify consumers into a complacency of increasing consumption and increasing waste. We need to go forward with this and still need to disincentivise unbridled consumption.
70.66.176.146	There are risks if the waste stream changes significantly or if there are not buyers for the heating/cooling. Possible health impacts, but very small - this is a proven technology.
24.69.196.61	Implementing and costs
216.180.65.21	Cost and safety risks. Also that all the information provided has not been verified by a neutral 3rd party.
24.69.210.24	Substantial net benefit to quality of life in the Township
173.183.122.41	Heavy traffic going to the site
70.66.166.92	This is new technology. I understand it is a closed system, but still a stack is needed. What is released from the stack
70.66.177.196	Concerned that it might not be approved and that would be a step backwards if we are serious about addressing climate change.
70.66.185.104	Increases in property taxes would be a concern since they are quite high already

71.19.248.82	That purposeful distraction and others' commercial interests will mislead and distract community betterment.
108.172.255.10	I don't live in Esquimalt
70.66.167.197	Sets a good example for other neighbourhoods in greater victoria
70.66.251.119	It's been done successfully elsewhere, many times. If anything Canada and BC are late to the party
154.20.32.23	The reports are thorough covering noise, traffic, and any emissions. The plant will be on the municipal works property and it's performance guaranteed.
24.85.252.35	Assuming that concern means worry, I believe the science
66.220.149.29	I'm concerned that it won't passed, so that means I'm extremely concerned!
70.66.166.180	These projects seldom go as planned and most often cost much more than anticipated.
70.66.174.100	Possibility of unintended pollutants generated by process.
70.66.174.100	Undertaking a capital project in the middle of a pandemic may extend us financially beyond a point that we can carry. I also don't know if the plan is to expand from gasification of organic matter only to gasification of all waste materials. If that happens, naturally there are more pollutants in the by-products.
70.66.190.248	The reasons have already been stated.
70.66.188.224	I would think that any negative impacts of IRM would be minimal
70.66.189.58	Esquimalt residents paid high taxes for the size of municipality - nearly the same taxation as Saanich. This is a very high capital investment.
154.20.47.165	I am not sure this is the absolutely BEST overall solution. More research required
142.104.165.184	cost
70.67.44.53	new project, many variables, but am reassured by information provided
209.52.88.226	Capital and ongoing maintenance and operational costs. Has Township considered having the facility built by a third party which would either operate it or lease back to the Township to operate, thereby avoiding significant upfront costs?
154.20.47.19	I think the project is a good idea, Esquimalt will benefit and the environment will benefit

24.69.192.18	Smell, noise, traffic
173.183.121.216	Smell, toxins in the air,
24.69.201.11	This activity will benefit generations to come.
70.67.45.179	That there is good oversight for the project.
70.67.48.163	this seems like a great idea to pursue further
142.36.177.142	Long term recovery of build costs.
70.67.53.175	this is proven technology used in other parts of the world. If run properly there will be minimal risk and nuisance.
24.69.217.172	I am very much in favour of the initiative
204.191.179.50	Cost could outweigh benefit
104.254.92.222	Inertia often stifles social progress.
70.67.58.137	larger projects like this have a tendency to go sideways, costing more and not delivering promises...
70.66.189.96	Inevitably the planning process involves delays and legal/development hurdles which together can result in unforeseen extra project costs.
70.66.172.57	How much will my taxes increase? HOw much noise will this plant generate?
24.69.209.27	No reason just being cautious
72.143.238.93	Costs- raising taxes
154.20.44.230	There appear to be no negatives for the Township in pursuing this initiative. It appears that there is sufficient international experience to date to expect a positive result.
70.66.173.49	I don't want taxes to go up.
173.183.122.1	It is a small scale processing plant and refinery after all.
70.66.172.217	Want leading edge technology with the ability to change and grow over time
173.183.122.1	Where would all the garbage be kept before processing?
209.121.229.125	seems a vanity pilot project with showcase appeal but no real benefit -- gasification plants are not benign to the adjacent residential neighbourhoods

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| 70.67.53.124 | I read the FAQs but feel my knowledge is limited and I need to educate myself more |
| 173.183.122.101 | Smell? |
| 107.190.24.115 | Just wondering where it would be built and any impact on the neighbourhood |

5 Q4: Facility Location

"Do you agree with locating the IRM facility on the yard/garden and parking portions of the Public Works Yard located on Canteen Road?"

IP Address	Comment
192.252.235.212	reasonable location. should be an engineering decision, not a political one
154.20.45.178	I can't see any reason why not to
207.6.183.225	Industrial corner where public works is already situated
24.69.200.159	I feel the proximity to the DND poses a risk, but I don't know enough about the physical dangers of the gasification system
70.67.45.248	Minimizes transporting the waste, the land is available, and the technology allows close proximity to residential areas.
204.191.179.50	good location due to proximity to waste generated
70.66.169.93	If this passes it's the only logical spot
24.68.225.81	I fully trust the Pivotal IRM proposals.
70.67.56.75	Seems to be a good fit and proximity if it was taken on.
173.181.101.102	Excellent location
50.98.167.60	I'm not sure what location is best. Understanding how this would effect those living and working nearby is important.
24.68.8.51	What other municipalities options do we have
24.69.205.114	As long as it doesn't interfere with base traffic or cause even more traffic im fine with it
184.151.230.233	Yes, but I'd still like a place to take my yard waste
172.218.235.236	Not enough project details presented to assess sound, odour and any associated emissions.

24.69.201.188	This is an industrial application and should be out of the municipality entirely.
207.194.133.9	Seems like a fine site.
184.69.124.230	reduced transportation distance for waste
70.67.53.39	If yard waste is collected by trucks from houses, will there be additional bins? Right now I have the option of dropping off as much as I want to the Public Works Yard. I'm not limited by the bins...
173.183.120.47	seems practical & good right now but how much expansion can the area handle
199.7.159.40	Away from our homes
70.66.169.19	I am fine with that location but are there benefits to making it more central so that business can benefit from the energy produced?
70.66.164.224	Depends on effect to surrounding properties and traffic
64.114.222.234	It makes logistic sense. Close to where the energy it produces will be used.
70.67.44.126	Close to 'downtown Esquimalt', but outside of the major residential areas.
70.66.179.239	Need to make best decision based upon being able to use the energy. Close to DND, May be an asset.
70.67.58.149	Location is too small.
70.66.172.179	I don't know enough about the processing of the waste and the operation of the plant (gases emitted, noise, odour, etc)
173.183.122.88	This should be placed nowhere in Esquimalt. It's insane.
209.205.88.238	Practical location
70.66.167.192	As explained in the webinar I think this is a good use of that space and close to the town centre. A good choice!
70.67.50.169	It's close to the village centre for use of the end product. While there is some apartments nearby the majority of the area is the dockyard and navy base
75.154.249.172	Parking area better than green space
209.205.88.238	It seems well thought out to minimize impacts
154.20.47.89	It is municipal land in an area that was traditionally industrial with the shipyards.

216.13.208.106	Not sure if this is the best location but do not have any thoughts to add. Sufficient space for expansion should be part of any consideration.
96.54.233.169	it's a good place for it.
70.66.254.45	industrial area. Close to downtown core for energy recovery
70.66.254.45	industrial site. Close to downtown core for heat recovery; close to public works yard.
24.68.98.230	Already in use for similar recycle/disposal
75.157.24.144	Great spot for it.
107.190.24.120	Natural extension of the existing space usage
24.69.196.61	There was only one location proposed. What other options are there? If they had been considered, they weren't presented clearly.
70.66.184.248	It's already used for waste
70.66.188.88	Best place for it
70.66.184.248	It already collects compost.
70.67.60.64	Site is already owned and need minimal renovation. Already used for the yard waste. In a suitable area of Esquimalt
154.5.145.40	It's a logical choice.
70.67.52.188	Works well for eventual expansion with the DND and View Royal; effective location for heating public buildings.
154.20.44.239	1. Existing site already owned by the Township so there would be no additional cost for acquiring land 2. Minimal impact on existing, nearby residences
172.218.235.236	Need to continue to have a yard and garden drop off
24.69.208.85	If it goes through, then it makes sense that it be within the Public Works Yard.
205.250.53.78	Seems the most sensible location as it is already a yard waste drop off area.
75.157.27.116	Common sense.
72.143.239.77	I recommend locating as close as possible to where the heat will be used.
154.20.45.179	Its municipal land far from schools we already own.

173.183.121.9	Makes perfect sense
70.66.167.25	A good location.
70.66.167.104	close to town center and convenientclosest to DND and not in major residential area
70.66.154.155	This is assuming having an IRM facility is a good idea. I cannot agree yet.
70.66.177.189	Makes sense
70.67.48.151	The location is very convenient and cost effective.
70.67.50.8	If there is signed supply arrangements for the energy recovery with the Base, then maybe. Otherwise you dont have a customer to us the heat energy, so benefit statements are compromised. Location only makes sense if the business model makes sense.
24.244.23.60	Just indifferent, but makes sense to me
70.66.186.198	Absolutely. Perfect location for the site with proximities yo the town centre to distribute energy recovered from the gasification plant.
154.20.47.249	I think it could be a very good location; however I would be concerned if the plants ends up taking waste product from outside of Esquimalt, that it would mean an increase in truck traffic, noise, on an already noisy part of Esquimalt rd.
70.67.58.149	Think area is too small.
24.69.196.204	What do the neighbours think?
207.6.182.232	Seems like too small a space.
70.66.177.234	most people in the township know where that is
104.142.125.194	it's a long way from me
209.121.130.228	Why this location?
70.67.60.39	Existing use is a good fit
70.66.161.214	it is good viable space
70.66.177.162	I am concerned about smells and pollution for nearby residents
209.205.88.211	Can the building look nicer than a big metal shed. Are there other locations being looked at,. I didn't see alternatives.

24.69.200.68	The David Street location is a far better location as it is more easily accessed.
70.66.170.178	not sure how, or if, this will impact unloading my garden waste
70.67.61.73	this is not a priority
173.183.123.56	govt already owns it and its not beside residences from what I could see
173.183.122.41	Already somewhat industrial and large traffic already uses that route
70.66.165.204	Existing resource.
172.103.218.169	The location makes sense, but I am not aware of the alternatives, nor the potential negative impact of consuming parking space at the Public Works yard. Building at the Public Works yard would minimize road delays during construction thanks to its location away from major thoroughfares.
70.66.170.26	The land is available and owned by the Township.
204.191.179.50	Not convince that yard waste should be included and would still want a site for this
172.98.82.13	Makes sense, it is relatively outside of the Esquimalt "downtown core"
209.52.88.19	Should be at landfill
104.142.125.239	I live in a different neighborhood, so I'm abstaining
24.69.209.86	Small footprint required, space already designated for the light industrial activities of the works yard - minimal additional impact to residents.
70.66.165.204	Makes sense
70.66.174.4	few options available
209.52.88.26	Good use of municipal owned land
70.66.166.29	It is an out of the way spot.
70.66.164.17	Smell can be an issue with methane plants.
70.67.56.43	I notice that it's quite close to a First Nations reserve and I haven't heard anything about consultation with them about the project. That should probably be done. Otherwise the site seems great to me.
70.67.61.85	it makes sense
104.142.126.74	Consistent with existing use

184.70.226.222	already used for garden wastes, some metal wastes; out of way of main traffic and residential areas
70.67.61.85	Very good location, because it is near light industrial
24.69.221.82	Unless there is other space in the industrial area of Eawuimalt that could be utilized.
70.66.176.146	Makes great sense as a means of reducing transportation impacts and being close enough for an economic district energy system.
216.180.65.21	Definitely not. It's a huge risk. There are recorded instances of fires and explosions with gasified.
24.69.210.24	Less travel required when site already available
173.183.122.41	Already used for waste
70.66.166.92	space is already there for use; proximity to city works and city centre
154.20.44.152	dont know the site. I wld ppt for minimizing new sealed surfaces and rather reuse existing sealed areas
70.67.46.129	Lots of space and good distance from residences.
70.66.177.196	It is on an unused portion of the Public Works Yard, already has trucks using it and is an industrial zone.
70.66.185.104	Area with the fewest homes
71.19.248.82	an well situated, available site.
108.172.255.10	What better location?
70.66.167.197	I do not live in that neighborhood so I don t want to answer yes
70.66.251.119	Can;t think of another location that would be accepted by the community
154.20.32.23	1) no addition land costs; 2) residents will be familiar with the sounds and activity at the site; 3) it allows proximity for the township to take advantage of the energy loop.
24.85.252.35	I am not highly acquainted with this aspect - I assume it has been given the same scientific analysis
70.66.166.180	The garden wast deposited there now does not really make good compost, as it is too full of noxious weeds.
70.66.174.100	Existing space, relatively separated from residential, but still close.

- 70.66.174.100 I don't know how large the gasification plant will be, and the Public Works Yard seems a fairly small space. Would Esquimalt eventually be considering expanding the gasification plant and offering to contract service for the entire Greater Victoria Region, for example?
- 70.66.175.144 Location is already set up, also has the new plant close by so already has several industry similar
- 70.66.190.248 This area is just a few blocks from my home and work space, yet I'm completely unconcerned with it being in this space as it already is a public works yard that is ideally situated. There is no need to find another location for it.
- 70.66.188.224 good location
- 154.20.47.165 Sounds like as good a place as any. Away from most residences.
- 142.104.165.184 not familiar enough with that location
- 70.67.44.53 Already existing "waste management" area; less density of residential, already owned by Township
- 209.52.88.226 Convenient and land already owned.
- 154.20.47.19 located in an industrial area yet close to town centre.
- 24.69.192.18 Where do we bring our garden waste?
- 173.183.121.216 lack of space already
- 24.69.201.11 not opposed.
- 70.67.45.179 Mostly DND property surrounds the site with minimal impact on residential areas.
- 70.67.60.129 Because I have no reason to disagree with it.
- 70.67.53.175 that looks like a good location. I trust that experts can identify an appropriate site.
- 204.191.179.50 Town owns the land and it will have the least impact at that location
- 104.254.92.222 If smells are controlled.
- 72.143.232.113 There may be a better spot but I doubt it.
- 70.67.58.137 to the side of the primary residential area in case of possible odours, close to energy market as described
- 70.66.189.96 Proposed function relates to existing facilities

- 70.66.172.57 How much noise is this going to generate? What is the risk of explosion?
- 154.20.45.64 Close to base/industrial area already
- 70.67.49.219 We already own it. It's small in size
- 154.20.44.230 I'm not sure if there are other better alternative locations within the Township.
- 70.66.173.49 Seems like a good location, however it looks like you will have to dig up Esquimalt rd. again.
- 173.183.122.1 Concerned that it may smell since its located predominantly upwind from main residential areas. As much as a negative pressure building would contain the smell there will likely be ongoing maintenance on the filtration and fan systems to prevent noticing the smell. Hopefully the fan system does not work on a dilution principal only (mixing with lots of air to disperse the smell) ie. strobic fans
- 70.66.172.217 Suitable location
- 173.183.122.1 It's fairly industrial there anyways, and out of the way.
- 209.121.229.125 within a residential neighbourhood & far from its intended user at the town centre
- 173.183.122.101 I'm not sure of other options, but it seems like a good use of that land

6 General Comments

The following are the general comments provided by respondents.

IP Address	Comment
24.69.193.39	Add yard waste pickup to the kitchen scraps!
70.67.50.132	Consider traffic volumes, and noise issues for neighbours.
154.20.45.235	Nope
192.252.235.212	no
154.20.45.178	I'd really like to know more about any potential financial or technical risks if there are any. I reviewed the report and video but am not sure if there are risks that may not have been disclosed. If not, then it seems like a no brainer.
207.6.183.225	Get going
24.69.200.159	Would like to know how this will impact property taxes and utility / waste bills
70.67.45.248	Go for it!
204.191.179.50	please consider more use of wasted resources
70.66.169.93	This needs to be a regional discussion, just as a solution to the sewage was.
24.68.225.81	I think the IRM should include Esquimalt's proportion of the sewage sludge from the 2ndary plant just coming online now. This would show the CRD that Esquimalt cares about the environment by turning the toxic sewage sludge soup into energy and harmless biochar and a bit of ash.
70.67.56.75	Explain how it may directly help the recreation and sports centre in lowering costs for energy consumption. And impact to property taxes. I may support this more if that was known to me.
173.181.101.102	Any increase in employment will be a huge benefit.

50.98.167.60	No
70.67.6.24	N/a
70.67.23.220	n/a
209.52.88.94	No
24.68.8.51	No
154.5.236.85	Go for it. Good idea.
184.151.230.233	No
24.69.133.30	no
172.218.235.236	A commitment to improve the current organics diversion can achieve the necessary reduction in GHG emissions from waste. Need to look for Circular Economy solutions. Gasification technologies have remained very expensive, and are not long term solutions to waste management - there is a reason why municipalities and regional districts after completing thorough reviews and input from the engineering departments have realized they should not invest in these technologies
24.69.201.188	This is a ridiculous idea. Housing needs should take priority over waste.
162.156.84.63	Great idea
24.84.145.46	No
207.194.133.9	Please do due diligence on procurement, and creation of the contract. This seems like a great idea, but could easily run into trouble if this is not done appropriately.
184.69.124.230	no
70.67.53.39	See previous comment
173.183.120.47	Esquimalt's IRM Proposal I am a big supporter of gasification to treat municipal solid waste material, however
199.7.159.40	No
70.66.169.19	As a resident of Esquimalt, I had not heard anything about this until someone I know, who lives outside of the community, told me. It sounded interesting so I reviewed the material on the Esquimalt website. Am I really that out-of-the-loop? Or does the township need a better way to communicate with residents?
204.191.179.50	no

70.66.164.224	All stated above or within survey
64.114.222.234	Cost is something to consider. But you pay now or you pay much more later. Smell is something I'm not sure of and would like to know if it will impact residences close to it's location.
70.67.44.126	Not at the moment.
70.66.179.239	Are there other plants using this process in BC?
70.67.58.149	No
70.66.172.179	This is a major financial undertaking by the municipality. Shouldn't the voters decide on this?
173.183.122.88	Here's an idea--put it on a barge next to the Mayor's houseboat.
209.205.88.238	Great to see Esquimalt leading the way with progressive ideas for the future
70.66.167.192	I am very happy to see Esquimalt finally taking some real steps to GHG reductions, and being supportive of such innovative ideas such as district energy. I think it's a necessary step in the right direction.
70.67.50.169	At this time mainly financial
75.154.249.172	Great to see the Township showing leadership - maybe an inspiration for the CRD...?
209.205.88.238	The township should move forward with it!!
154.20.47.89	I think we need to press ahead and take this opportunity to improve our community and our environment. We cannot push this off to be someone else's problem in the future. We must act now.
216.13.208.106	Better late than never.
96.54.233.169	no
70.66.254.45	Council should vote in favour a order a more detailed feasibility study. CRD need to be brought on side with the zero waste philosophy.
70.66.185.29	If the CRD has decided against this I do not think we should be moving forward with it.
24.68.98.230	please consider utilizing the abundant biosolids that will become available
75.157.24.144	Let's do it!

107.190.24.120	A demonstration of the demand for biochar regionally would help; how far would the end product be shipped, and would that offset the reduction in GHGs from gasification plant?
107.190.24.120	Hope the initiative will be considered
154.20.4.41	Thank you for showing initiative and leadership
24.69.196.61	This sounds like a well thought out and studied proposal. I would support going forward with the gasification plant as part of the IRM.
70.66.184.248	No
70.66.188.88	None
70.66.184.248	no
70.67.60.64	Great initiative, we need more like this.
154.5.145.40	No
70.67.52.188	The webinar allayed my concerns about capital costs
154.20.44.239	If this is implemented, I would like to see post-implementation studies done at specified intervals (1, 5 and 10 years) to compare costs and benefits to the original budget that is proposed.
172.218.235.236	Leave it to the crd and follow provincial guidance to develop a successful plan
24.69.208.85	none
207.6.116.145	Waste of money (pun intended)
70.66.184.170	no
205.250.53.78	Bravo
70.67.56.99	No
70.67.44.53	Love this kind of thinking. Keep it up.
75.154.242.247	No
75.157.27.116	No
70.66.188.29	Costs. Would only want to proceed if there was 2/3 grant from the province.
24.69.208.94	No

72.143.239.77	Kudos to Esquimalt for considering and investigating IRM.
154.20.45.179	No
173.183.121.9	I think it's a great idea
70.66.167.25	Okay as it does not raise taxes too much.
70.66.167.104	cost, and more information as it becomes available
70.66.154.155	Why is Esquimalt and our taxpayers being asked to invest in unproven technology and process. While admirable, I am nervous.
70.66.172.217	State of the art required, don't worry about cost. Why is this not a CRD initiative? Is there enough waste volume to be efficient?
70.66.177.189	Should tell residents what it will look like for them. Same garbage can on the curb?
209.52.88.56	could be good..but not an increase in taxes.
173.181.102.219	is there any odour associated with these units?
70.67.48.151	I hope the biochar product is made in 10 & 20 kilo bags for people to use in their home garden, even truckload quantities for agriculture.
70.67.50.8	The second mouse gets the cheese. Let a bigger municipality with more in house expertise to manage the proposal review, negotiations, construction and operations take the plunge first. We can learn from their experience 5 years from now if it turns out to be a good idea. Too many assumptions, too much project risk (incl. permitting risk)... let CRD or others do this on their own - regional function. Wait to see it in operation elsewhere in North America first. Theres got to be a reason why it's not being kee ly adopted here yet. Just be patient and see.
70.66.176.140	No
70.67.56.73	no
107.190.20.30	No
107.190.20.30	No
192.252.234.187	None
162.156.84.63	No concerns and highly supportive
24.244.23.60	Overall sorting waste and recycling should be easier

70.66.186.198	More promotion of this is required and more highlights of the benefits so residents can understand easily. This is a great plan and could easily be viewed negatively if the story is not told right.
70.67.47.51	None at this time.
154.20.47.249	I think it is very worthwhile to consider, but residents needed to be given more information on the pros and cons. The consultant's report was quite weak in the provision of this.
70.66.172.177	I am not convinced that waste management is within the jurisdiction of a municipality. I think it is a regional district reasonability.
24.69.193.180	This is a great, forward-thinking idea.
70.67.58.149	I look at all the yard waste and wonder if it is all from Esquimalt and View Royal. I have returned to the community for 6 years and use this facility often. I have never been asked for ID or proof of address.
24.69.196.204	the cost
207.6.182.232	Na
70.66.177.234	no
70.67.52.53	Do we really want to have our town smelling like a compost bin?
104.142.125.194	Put the plant in Telegraph bay
209.121.130.228	No
209.52.88.54	No
154.20.45.35	Way to go!
70.67.62.111	No
70.67.50.37	From what I know about it, it seems like a good idea.
108.172.117.87	i would like them to do all there do diligence
70.67.60.39	Would like to point out that air quality impacts from waste management will be trivial in comparison to impacts from naval base
70.67.50.83	If it helps the environment I'm all for it
70.66.161.214	no
204.191.179.50	new technology with lots of unknowns

70.66.177.162	Education of residents is probably the biggest concern. No one likes to spend money, especially when they do not understand the process.
50.92.249.27	please use the railway to transport the recycling
206.87.177.45	It can be a promising practice- but it is highly contested and can have significant problems
70.67.46.0	no
209.205.88.211	Sounds like a good idea on paper.
70.67.49.173	Keep up the good work!
24.69.200.68	I can't think of anything at the moment
70.66.170.178	Great plan
70.67.61.73	Get back to other priorities. We do not have the budget to focus on a wish list during covid which will probably require budget cuts. service cuts and staff cuts.
173.183.123.56	not really but think its a good idea and should be pursued
154.5.236.152	no
70.66.165.204	Please forge forward! This is an excellent initiative, especially if we get some provincial and federal funding.
154.20.46.154	No
70.67.52.16	kindly consider integrating a piece of public art to go with the plant.
70.67.53.200	no
172.103.218.169	Not at this time
70.66.170.26	Sounds like a good idea - lets get on it!
70.67.48.163	no
204.191.179.50	Would like to see more specifics about operating systems in European cities similar in size to Esquimalt. Why is CRD not also interested?
192.99.110.132	The project has merit and as one who is concerned about climate change I think it is a major step forward in reducing our carbon footprint.t.
75.154.238.124	None
24.69.217.96	no

172.98.82.13	Go for it, do not get sidetracked, stay within budget
209.52.88.19	No
104.142.125.239	N/a
24.69.209.86	Let's move on this opportunity.
70.66.178.220	None
173.183.120.210	I want to be able to put yard waste in my green bin! I've lived in four provinces and Esquimalt is the only place I've ever lived where I can't put yard waste in the green bin!
70.66.160.111	none at this time
75.157.26.155	No
70.66.190.84	Not at this time
70.66.176.78	I didn't watch and read all of the info but I didn't see anywhere that lists the cost to taxpayers to build,- increase of taxes
70.66.165.204	If we don't do this because people "don't like change" or "landfill is fine" or "composting worked for my grandma!" then our kids will pay the price with their health later on as climate change amps up.
70.66.174.4	is technology well proven?
209.52.88.26	Ensure that the revenue stream generation estimates are legitimate and factor in true lifecycle costs for the facility if there is no revenue stream. We don't want a "white elephant" for the next 30 years. Evaluation of financial costs needs to accurately portray contingencies and operation costs within a spectrum of Financial scenarios.
70.66.166.29	I guess the cost....is it guaranteed to stay at \$360/ household?
142.29.196.60	how are we going to pay this?
70.66.164.17	Might be good idea to explore a private company to own and operate the plant
173.181.100.67	Esquimalt needs to work towards a goal of zero environmental footprint
70.67.56.43	No, I'm good. Highly in favor, hope it goes through.
70.67.61.85	do it
104.142.126.74	no

70.67.49.173	Keep up the good work!
70.67.49.173	Keep up the good work!
184.70.226.222	encourage IRM not be the only action toward reducing effects of climate change, but that Township takes into account existing ecosystems to address loss of native trees, vegetation, birds, amphibians, bees, butterflies. Reducing emission has been talked about for about 25 years and targets have never been achieved. Need to supplement climate action plan with protecting our green spaces, trees, ecosystems through very creative and deliberate guidance of development in our Township. There is NO mention of this in our strategic planning or 5 year goals.
70.66.169.165	Not at this time
70.67.61.85	Don't get bogged down in paralysis analysis. This isn't my first choice in dealing with waste, but we need action, not further study.
24.69.221.82	Part of this is that the pick up be curbside for residents or it won't work. A lot of residents don't always have the transportation to move wastes from their property so it would affect the success if this wasn't built into the plan.
70.66.176.146	I STRONGLY support this initiative. Please make this happen for our environmental and economic benefit. Esquimalt has an opportunity to lead by example.
24.69.196.61	N/a
172.218.224.222	no
216.180.65.21	NA
24.69.210.24	No concerns. I support this initiative
24.69.209.27	Not at this time
70.66.173.36	Strongly support this concept. Ensure system is modular and upgradable so it can be implemented systematically and upgraded in the future
173.183.122.41	Wondering if other municipalities would use our site
70.66.166.92	Nice to see that Esquimalt is potentially part of climate change action
70.66.166.92	no thank you
162.156.52.93	I would just encourage the township to continue an open dialogue about the project so that residents can make informed decisions about the project
154.20.44.152	combine with backyard composting program?

70.67.46.129	Ensure all residents concerns are covered.
70.66.177.196	I am in the neighbouring town of View Royal. I would love for this project to go through. Hoping that it will expand to take some of View Royal's waste or inspires the CRD to create similar systems. I think Esquimalt would be a visionary leader if they took this on. Particularly excited about the potential of the biochar.
70.66.185.104	No
70.66.185.104	No
71.19.248.82	In commitment through strong vision, informed leadership, in innovation and community investment and path-finding Esquimalt shows South Island the way forward.
108.172.255.10	No
70.66.167.197	N/A
70.66.251.119	Esquimalt would be financially and fiduciarly irresponsible if this is not pursued
154.20.32.23	I would like to commend Council for their research and preparation work on this project, and for their sincere concern for waste management. It has been very educational. Thank you.
24.85.252.35	Congratulations - keep up the good work
192.252.235.212	Great initiative!
66.220.149.29	Esquimalt council has shown incredible leadership in proposing this project. I sincerely hope that the uninformed naysayers won't prevent this from happening.
70.66.166.180	If California is promoting it, it probably is a good idea. They are so progressive re waste management.
70.66.174.100	I am pleased to see an active approach to environmental concerns on a local level.
70.66.174.100	The idea of gasification seems a sort of interim solution between what we currently do, and what we should all be doing in the future (in terms of reduced consumption of all goods, educating all citizens around environmental sustainability, and creating policy that supports it)
70.66.175.144	making sure noise or smells are accounted for with any growth of the prohect

70.66.190.248	My only concern seems to be the lack of enthusiasm by some senior staff and the lack of public awareness. Why wasn't this included in the most recent Township newsletter that was delivered to everyone's door? The postcard that was produced didn't enthusiastically point out the benefits of this project and, instead, is relying on people to go online and find out about it. It also would have been great for the Township, consultants or the ECO Team to be at all the Esquimalt Farmer's Markets leading up to this sharing information. I only saw the postcard and there wasn't any dialogue or enthusiasm from the staff person to chat about it.
154.20.45.186	No
70.66.188.224	with the urgency of the climate situation action NEEDS!!! to be taken quickly
70.67.61.78	no
154.20.45.136	No
24.69.212.127	No
70.66.189.58	Where else in BC have they implemented this type of model?
154.20.47.165	I look forward to hearing more
205.250.54.11	I believe the greatest risk to the project is that time is not being taken to effectively educate the public. Few people will ever watch the video. Most will remain uneducated about district energy. The township has failed to educate first. I'm disappointed and expect that this might be approved without the public understanding its value.
142.104.165.184	no
154.20.45.47	None.
70.67.44.53	Appreciate that Township is looking at alternatives and moving forward with options
24.244.23.120	No
209.52.88.226	Stated above
70.66.178.36	thanks for looking at solutions to environmental concerns
75.154.237.174	hoping this project is successful
154.20.47.19	Happy that Esquimalt is taking the initiative to reduce our contribution to the landfill.
24.69.192.18	Not at this time

173.183.121.216	Need more information
70.66.172.77	what the increase cost on tax payers would be
70.67.47.144	No
24.69.201.11	None on this topic. Overall I'm incredibly disappointed by the Townships action to date. Residents are feeling disengaged because we give input into these initiatives - and then we dont see action taken. When will we see a protected bike lane on Lyall Street. This is even more important now when we are in a pandemic.
70.67.45.179	I appreciate the township for considering a bold new approach in a time of the world having to move quickly to slow climate change.
70.67.48.163	I am glad this is being considered
142.36.177.142	none
70.67.60.129	Nope.
70.67.53.175	none, other than there could have been more outreach, i only hear about this today on the last day to fill the survey because someone posted it on facebook. maybe increase outreach on social media sites.
24.69.217.172	No other feedback
204.191.179.50	Smell? Costs managed? What happens if it fails?
104.254.92.222	It seems like a no-brainer.
72.143.232.113	Please go ahead with this project.
70.67.58.137	no
70.66.189.96	Nope!
184.69.25.222	would there be an option to take on other municipalities waste, for a fee?
70.66.172.57	no
154.20.45.64	No
24.69.209.27	No
72.143.238.93	No

- 70.67.49.219 Maybe we can reinvest the dividends into more resources for public works and parks dept. so they have bigger budgets to get the job done properly eg . Investing in new township vehicles that are fueled by electricity . Ford produces the ev Ford 150 starting in 2021. Other municipal maintenance projects could be better addressed with more resources. This could be done without raising taxes above c.o.l.a.
- 154.20.44.230 What might the time frame be for this project if implemented? And how would the development of and the operational success of this facility be monitored?
- 70.66.173.49 I would be concerned that the Township would give it away to a private operator.
- 173.183.122.1 Would be great to see feedback from other residents in Canada which live near a similar facility to share their experiences.
- 70.66.172.217 Not at this time
- 173.183.122.1 Hopefully this will not increase truck traffic down Esquimalt Road.
- 209.121.229.125 vanity project
- 70.67.53.124 I think it's a good idea worth exploring
- 173.183.120.210 no
- 75.154.243.84 Pleased this would meet and even exceed our community climate goals and establish Esquimalt as a leader
- 173.183.122.101 Nothing at this time.
- 107.190.24.115 Nope