

From: [Finkelstein, Ben ENV:EX](#)
To: [Narayan, Karthik ENV:EX](#)
Cc: [Porter, Kenneth ENV:EX](#); [Diaz, Alvaro ENV:EX](#)
Subject: RE: CIIP-RFP evaluation?
Date: June 27, 2019 1:58:48 PM

OK then, I will check with Ken and Alvaro to see who has time. Will only be one at this time.

Ben

From: Narayan, Karthik ENV:EX
Sent: Thursday, June 27, 2019 1:39 PM
To: Finkelstein, Ben ENV:EX <Ben.Finkelstein@gov.bc.ca>
Cc: Porter, Kenneth ENV:EX <Kenneth.Porter@gov.bc.ca>; Diaz, Alvaro ENV:EX <Alvaro.Diaz@gov.bc.ca>
Subject: RE: CIIP-RFP evaluation?

Hi Ben,

This request came more from me as the incentive RFP sector lead group was informed to seek their own folks "who might be interested".

Sorry, I forgot to cc you earlier.

I shall ask them to contact you.

Thanks

Karthik

From: Finkelstein, Ben ENV:EX
Sent: June 27, 2019 1:26 PM
To: Narayan, Karthik ENV:EX <Karthik.Narayan@gov.bc.ca>
Cc: Porter, Kenneth ENV:EX <Kenneth.Porter@gov.bc.ca>; Diaz, Alvaro ENV:EX <Alvaro.Diaz@gov.bc.ca>
Subject: RE: CIIP-RFP evaluation?

Thanks for this Karthik,

Prior to approving Ken and Alvaro's involvement can you have Matt or Don (?) reach out to me with this request?

Thanks

Ben

From: Porter, Kenneth ENV:EX
Sent: Thursday, June 27, 2019 8:58 AM
To: Finkelstein, Ben ENV:EX <Ben.Finkelstein@gov.bc.ca>; Diaz, Alvaro ENV:EX <Alvaro.Diaz@gov.bc.ca>
Subject: FW: CIIP-RFP evaluation?

Hi Ben/Alvaro,

Thoughts on this?

Ken

Kenneth Porter | Senior Policy Analyst
Communities and Built Environment
Climate Action Secretariat
Ministry of Environment and Climate Change Strategy
Telephone | 778-698-3994

From: Narayan, Karthik ENV:EX
Sent: June 27, 2019 8:57 AM
To: Porter, Kenneth ENV:EX <Kenneth.Porter@gov.bc.ca>; Aharonian, Dave ENV:EX <Dave.Aharonian@gov.bc.ca>; Barry, Trevor ENV:EX <Trevor.Barry@gov.bc.ca>
Subject: CIIP-RFP evaluation?

Hi Ken, Dave, Trevor,

I am working on benchmark evaluation for few sectors with the CleanBC Industry Incentive Program (CIIP) team.

As part of it, we have an RFP out for the benchmarking study for multiple sectors (closes between July 9th-19th ish-so, would need help shortly after closing date-will confirm the exact dates for each sector).

Not sure yet on the volume of work -hoping it is 1-2 days of eval +few hours for an evaluation meeting to finalize. I can let you know once I hear more.

I gather you have gained a huge expertise with the CCF evaluations (not that you didn't have it before)!

Would you be able to help out by evaluating the SRFP proposals on one or more of the following topics?

- steam and air-conditioning (creative energy) -(need one more)
- steel wire drawing -(need one or two more)
- sugar refinery -(need one more)

I realize things are crazy busy with the fund and other projects you have but hope you might be able to assist. I understand if it would be harder to do so with I guess any vacations coming up.

Cheerio

Karthik

From: [Peyman, Hurrian ENV:EX](#)
To: [Jelena Denin Djurdjevic](#)
Cc: [Narayan, Karthik ENV:EX](#); [D'Souza, Don ENV:EX](#); [Fox, Robert ENV:EX](#)
Subject: RE: Sugar Refining RFP for benchmark study contract
Date: June 27, 2019 9:56:21 AM

Hi Jelena,
Thank you.
We'll be posting the RFP shortly and will notify the contractors that you have listed.
Thank you also for sharing the study. This will be useful reference material for the selected contractor.
Hurrian

From: Jelena Denin Djurdjevic
Sent: June 27, 2019 9:54 AM
To: Peyman, Hurrian ENV:EX
Cc: Narayan, Karthik ENV:EX ; D'Souza, Don ENV:EX ; Fox, Robert ENV:EX
Subject: RE: Sugar Refining RFP for benchmark study contract

Hello ICR team,
I reviewed the RFP and do not see anything grossly wrong within it.
Attached you will find the report from 2010 from the US.
Also, some potential contractors are listed below. The list may be outdated in regards to the names, but I believe the companies are still active.

J. David Hughes
Director of Business Development
Renewable Choice Energy
4775 Walnut St., Ste. 230
Boulder, CO, 80301
303.468.0405 ext. 204
303.551.7563 (d)
773.405.0238 (c)
303.648.5769 (f)
www.renewablechoice.com

Mark Saito
Senior Air Permitting Specialist
Burns & McDonnell
Direct: 816-822-3914
Main: 816-333-9400
Fax: 816-822-4299
msaito@burnsmcd.com
www.burnsmcd.com
Andy Polzin, MBA

Senior Environmental Consultant
Vice President
Minneapolis office: 952.832.2938
cell: 612.998.4920
apolzin@barr.com
www.barr.com

Gregory LeMay | Associate | Global Corporate Consultancy
Delta Consultants, an Oranjewoud N.V. Company
Mobile +1 267 254 7486 | USA Toll Free 800 477 7411
glemay@deltaenv.com | www.deltaenv.com
Randy Rudolph, Principal

Millennium EMS Solutions Ltd.

325, 1925 18 Avenue NE
Calgary AB T2E 7T8
cell 403-463-3033
direct 403-270-4717
switchboard 403-270-4701
fax 403-283-2647
email rrudolph@mems.ca
web www.mems.ca

**Nelson Lee, MASC., P.ENG.**
FOUNDER**Phone:** +1.778.317.7613**Email:** nelsonlee@greensky.ca**Address:**

Suite 2501, 1166 Melville Street
Vancouver, BC V6E 4P5

Website:www.greensky.ca

Thank you

"Happiness depends upon ourselves" - Aristotle

Jelena (Yellena) Denin Djurdjevic**Acting Corporate Director, Quality Assurance and Environment**

T: 604-253-1131 x 4344 | **C:** (604) 377-4507 | **E:** jdenindj@lantic.ca

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From: Peyman, Hurrian ENV:EX [<mailto:Hurrian.Peyman@gov.bc.ca>]

Sent: Friday, June 21, 2019 10:40 AM

To: Jelena Denin Djurdjevic

Cc: Narayan, Karthik ENV:EX; D'Souza, Don ENV:EX; Fox, Robert ENV:EX

Subject: Sugar Refining RFP for benchmark study contract

Hi Jelena,

Thanks for chatting with us yesterday.

As promised, attached is the draft RFP for the sugar refining sector. Could you provide us with any

feedback that you have on this RFP by Wednesday, June 26th? We are hoping to move forward very quickly with the procurement.

During our meeting, you had described that your facility's emissions are very sensitive to level of liquid sugar and other emissions intensive product production. As a result, I've asked the contractor to determine emissions intensity of raw sugar, liquid sugar and any other product that makes up >15% of your facility's production (by value). Interested in your thoughts on this.

Thank you in advance for your feedback.

Hurrian

From: Jelena Denin Djurdjevic
To: Peyman, Hurrian ENV:EX
Cc: Narayan, Karthik ENV:EX; D'Souza, Don ENV:EX; Fox, Robert ENV:EX
Subject: RE: Sugar Refining RFP for benchmark study contract
Date: June 27, 2019 9:53:41 AM
Attachments: NDSU Report-Impact of GHG Regs on US Sugar Industry August 2010.pdf

Hello ICR team,

I reviewed the RFP and do not see anything grossly wrong within it.

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Also, some potential contractors are listed below. The list may be outdated in regards to the names, but I believe the companies are still active.

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Andy Polzin, MBA

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Gregory LeMay | Associate | Global Corporate Consultancy
Delta Consultants, an Oranjewoud N.V. Company
Mobile +1 267 254 7486 | USA Toll Free 800 477 7411
glemay@deltaenv.com | www.deltaenv.com

Randy Rudolph, Principal
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cell 403-463-3033
direct 403-270-4717
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email rrudolph@mems.ca
web www.mems.ca



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FOUNDER

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Email: nelsonlee@greensky.ca

Address:

Suite 2501, 1166 Melville Street
Vancouver, BC V6E 4P5

Website:

www.greensky.ca

Thank you

"Happiness depends upon ourselves" - Aristotle

Jelena (Yellena) Denin Djurdjevic

Acting Corporate Director, Quality Assurance and Environment

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From: Peyman, Hurrian ENV:EX [mailto:Hurrian.Peyman@gov.bc.ca]
Sent: Friday, June 21, 2019 10:40 AM
To: Jelena Denin Djurdjevic
Cc: Narayan, Karthik ENV:EX; D'Souza, Don ENV:EX; Fox, Robert ENV:EX
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Thank you in advance for your feedback.

Hurrian

From: [Peyman, Hurrian ENV:EX](#)
To: [Narayan, Karthik ENV:EX](#)
Cc: [Fox, Robert ENV:EX](#)
Subject: RE: Sugar Refining RFP for benchmark study contract
Date: June 21, 2019 11:49:49 AM

Rob has expressed interest in food sector committees. I'd like him to support your work on the committee. Between yourselves, can you allocate sector tasks?

From: Narayan, Karthik ENV:EX
Sent: June 21, 2019 11:13 AM
To: Peyman, Hurrian ENV:EX
Subject: RE: Sugar Refining RFP for benchmark study contract

Hurrian,

Do you want me or Rob to be the point contact for the sugar refinery?

I think he had expressed some interest in this or was it a different sector.

I am ok either way-but just checking.

Thanks

Karthik

From: Peyman, Hurrian ENV:EX
Sent: June 21, 2019 10:40 AM
To: jdenindj@lantic.ca
Cc: Narayan, Karthik ENV:EX <Karthik.Narayan@gov.bc.ca>; D'Souza, Don ENV:EX <Don.DSouza@gov.bc.ca>; Fox, Robert ENV:EX <Robert.1.Fox@gov.bc.ca>
Subject: Sugar Refining RFP for benchmark study contract

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Hurrian

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To: [Narayan, Karthik ENV:EX](#)
Cc: [Fox, Robert ENV:EX](#)
Subject: RE: Sugar Refining RFP for benchmark study contract
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From: Peyman, Hurrian ENV:EX
Sent: June 21, 2019 10:40 AM
To: jdenindj@lantic.ca
Cc: Narayan, Karthik ENV:EX <Karthik.Narayan@gov.bc.ca>; D'Souza, Don ENV:EX <Don.DSouza@gov.bc.ca>; Fox, Robert ENV:EX <Robert.1.Fox@gov.bc.ca>
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Thank you in advance for your feedback.

Hurrian

From: [Narayan, Karthik ENV:EX](#)
To: [Peyman, Hurrian ENV:EX](#)
Cc: [Fox, Robert ENV:EX](#); [D'Souza, Don ENV:EX](#)
Subject: RE: CIIP Policy and Technical Meeting
Date: June 21, 2019 10:56:08 AM

Thanks Hurrian,
Sure, I can send to Moly Cop and Creative Energy.
I removed the one other copy of district energy SRFP.
I was not able to remove it yesterday although I had closed all my PDF files.
Thanks
Karthik

From: Peyman, Hurrian ENV:EX
Sent: June 21, 2019 10:27 AM
To: Narayan, Karthik ENV:EX
Cc: Fox, Robert ENV:EX ; D'Souza, Don ENV:EX
Subject: RE: CIIP Policy and Technical Meeting
Hi,

I made some edits to the iron and sugar refining sector:
What I heard from the Lantic meeting is that they perceive their facility's emissions will vary greatly depending on how much alternate products (e.g. liquid sugar) they produced. As a result, I added in liquid sugar and any other product that makes up more than 15% of facility production (by value)
Would you be able to remove any earlier versions of your SRFPs from the folder to avoid overly cluttering it?
I will send the sugar refining document of to Jelena. Could you send the SRFPs off to Moly Cop and Creative Energy? Tell them we need their feedback by Wednesday.
Hurrian

From: Narayan, Karthik ENV:EX
Sent: June 20, 2019 2:49 PM
To: Peyman, Hurrian ENV:EX <Hurrian.Peyman@gov.bc.ca>
Subject: RE: CIIP Policy and Technical Meeting

Hurrian,
The following SRFPs are at:
J:\CAS\IRC\Industrial Clean Growth Program\Industrial Incentive Program\Benchmarking\Contracts for studies\SRFPs\for approval

- Iron foundries (forged steel balls)
- Sugar refinery
- District energy

I have modified the dates (as the earlier SRFPs had project start/close dates too close to potential RFP posting date).
Also, noticed some formatting issues (text size).
Thanks
Karthik

From: Peyman, Hurrian ENV:EX
Sent: June 20, 2019 1:49 PM

To: Knowler, Jessica ENV:EX <Jessica.Knowler@gov.bc.ca>; D'Souza, Don ENV:EX <Don.DSouza@gov.bc.ca>; Orellana, Andrea ENV:EX <Andrea.Orellana@gov.bc.ca>; Zahariev, Konstantin ENV:EX <Konstantin.Zahariev@gov.bc.ca>; Kadowaki, Ryan ENV:EX <Ryan.Kadowaki@gov.bc.ca>; Narayan, Karthik ENV:EX <Karthik.Narayan@gov.bc.ca>; Gabriel, Jasmin ENV:EX <Jasmin.Gabriel@gov.bc.ca>

Cc: Fox, Robert ENV:EX <Robert.1.Fox@gov.bc.ca>; Russell, Patricia ENV:EX <Patricia.Russell@gov.bc.ca>

Subject: RE: CIIP Policy and Technical Meeting

Hi,

Some items for the agenda:

- Updates
- RFPs and evaluations
- Application 2.0 (for 2019 reporting year)
- Asana update
- Payment update

Any other topics that we should cover?

Hurrian

-----Original Appointment-----

From: Knowler, Jessica ENV:EX

Sent: May 10, 2019 9:30 AM

To: Knowler, Jessica ENV:EX; D'Souza, Don ENV:EX; Peyman, Hurrian ENV:EX; Orellana, Andrea ENV:EX; Zahariev, Konstantin ENV:EX; Kadowaki, Ryan ENV:EX; Narayan, Karthik ENV:EX; Gabriel, Jasmin PSSG:EX

Cc: Fox, Robert ENV:EX; Russell, Patricia ENV:EX

Subject: CIIP Policy and Technical Meeting

When: June 20, 2019 3:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: 525 Superior St, 3091

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Local - Vancouver: +1 (604) 398-9304,,9534351# (BC, Canada) English (United States)

Toll-Free: +1 (888) 952-9304,,9534351# (BC, Canada) English (United States)

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From: Jelena Denin Djurdjevic
To: Peyman, Hurrian ENV:EX; GHG Regulator ENV:EX
Cc: Fox, Robert ENV:EX; Narayan, Karthik ENV:EX
Subject: RE: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application
Date: June 12, 2019 12:35:38 PM
Attachments: image002.png

Thank you Peyman.

Looking forward to talking to you and your team.

Have a great day

Happiness depends upon ourselves" - Aristotle

Jelena (Yellena) Denin Djurdjevic

Acting Corporate Director, Quality Assurance and Environment

T: 604-253-1131 x 4344 | **C:** (604) 377-4507 | **E:** jdenindj@lantic.ca

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From: Peyman, Hurrian ENV:EX [<mailto:Hurrian.Peyman@gov.bc.ca>]

Sent: Wednesday, June 12, 2019 12:02 PM

To: GHG Regulator ENV:EX

Cc: Jelena Denin Djurdjevic; Fox, Robert ENV:EX; Narayan, Karthik ENV:EX

Subject: RE: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hello Jelena,

Can we arrange for June 20th at 11am. I will send you an invite. The intention of the meeting is to provide greater detail about the Incentive Program and the Clean Industry Fund.

About your question for the emissions allocation tab on the application:

In column E, we are looking for the percentage of total facility emissions that are allocated to that specific product. Since Lantic is proposing only one product (throughput of Raw Cane sugar), this should be 100% of total facility emissions assigned to the product. In column G, you would put, in tonnes of carbon dioxide equivalent, the emissions assigned to that product (i.e. 100% of the facility's emissions)

We'll be happy to answer further questions at next Thursday's meeting.

Hurrian

Hurrian Peyman

Unit Head, Industrial Reporting and Evaluation

Climate Action Secretariat

778 698-4085

604 862-1996

From: GHG Regulator ENV:EX

Sent: June 11, 2019 4:54 PM

To: Peyman, Hurrian ENV:EX <Hurrian.Peyman@gov.bc.ca>; Narayan, Karthik ENV:EX

<Karthik.Narayan@gov.bc.ca>

Subject: FW: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hi Hurrian and Karthik,

We have heard back from Lantic. I'm going to forward this to you so you can handle your engagement with them and potentially answer their questions in your meeting?

Jessica

From: Jelena Denin Djurdjevic <jdenindj@lantic.ca>

Sent: June 11, 2019 3:53 PM

To: GHG Regulator ENV:EX <GHGRegulator@gov.bc.ca>

Cc: Gary Mustvedt <GMustvedt@lantic.ca>

Subject: RE: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hello IRC team,

Thank you for replying to our inquiry.

With regards to "... attend an online presentation of CleanBC and the Industrial Incentive Program.", I have reviewed the previous on-line presentations that you have sent recently. Do you have something else as well. We would like to attend the presentation. I am available on Thursday 13-Jun-2019, or the Thursday 20-Jun-2019. Around 11:00 works for both days.

With regards to the question #2

2. Emissions allocation tab:

- Could you please clarify what needs to be entered under "Approximate Product/Facility Emissions" and "tonnes CO2e" cells? Considering that the cell E27 is a sum of all E5:E25 cells, it seems logical to enter emissions as tCO2e. Then, what is a purpose of the column G?

Could you please advise if we need to enter actual emissions (in numbers) into the Column E, and wording "tonnes CO2e" in column G cells?

I can provide you with the filled form to check if I had done it right.

Alternatively, we can organize the phone call to get further clarifications.

Thank you

Happiness depends upon ourselves" - Aristotle

Jelena (Yellena) Denin Djurdjevic

Acting Corporate Director, Quality Assurance and Environment

T: 604-253-1131 x 4344 | C: (604) 377-4507 | E: jdenindj@lantic.ca

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From: GHG Regulator ENV:EX [<mailto:GHGRegulator@gov.bc.ca>]

Sent: Tuesday, June 11, 2019 12:26 PM

To: Jelena Denin Djurdjevic; GHG Regulator ENV:EX

Cc: Gary Mustvedt

Subject: RE: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hi Jelena,

Thank you for your questions about applying to the CleanBC Industrial Incentive Program. We will answer the questions in the order received.

Questions regarding benchmarking and emissions allocation:

Thanks for reaching out to us and for explaining your products. Based on the complexity of allocating emissions to different product streams as you have described, we can consider having raw cane sugar as the product to be benchmarked against. Benchmarks, as well as emission factors, are still in development.

We would like to extend an invitation to attend an online presentation of CleanBC and the Industrial Incentive Program. Please let us know if you would be interested to hear more about the program and we can arrange a time that works for all of us.

Question regarding heat and steam:

Yes, it does include all steam produced (high, med, low pressure). Yes, we are using it interchangeably and have noted this discrepancy for CIIP's application process for next year.

Question about the Statement of certification tab:

Yes, the transition year is the 2018 reporting year, 2019 program year. Because the application is being received in 2019, that is the default year for each application received.

Please contact us to hear more about the program and to discuss any further questions you may have about the application form. A FAQ document will also be posted on the [CIIP](#) website this week that may help to answer questions about the application form.

Sincerely,

The Industrial Reporting and Control Team (IRC)
Climate Action Secretariat
BC Ministry of Environment and Climate Change Strategy

From: Jelena Denin Djurdjevic <jdenindj@lantic.ca>

Sent: June 9, 2019 11:56 PM

To: GHG Regulator ENV:EX <GHGRegulator@gov.bc.ca>

Cc: Gary Mustvedt <GMustvedt@lantic.ca>

Subject: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hello The IRC team,

Thank you for providing the tools for CIIP application.

I have a few questions regarding the CIIP application for our company:

1. Benchmarking (*List all products and/or services produced by the reporting operation and their total production amounts in appropriate units. Products must be the same as those which have been agreed, between CAS and industry, to be benchmarked for the CleanBC Industrial Incentive Program. If benchmarked products have not yet been determined, list products as defined by the facility. Where production data is not yet available, estimated or projected quantities may be provided. To add more production items, unhide rows beginning under Production Item 4.*):
 - Lantic Inc. Vancouver Refinery is refining Raw Cane Sugar, with the white sugar being the main product that is either packed as is or is further processed through the different processes that are all energy / steam / electricity demanding into Liquid sugar, icing sugar, cubes, blended brown sugars.
 - There are also several additional products produced as off-streams of the white sugar production (Golden Yellow – boiled soft sugar, Molasses – refiners and feed, and Rogers golden syrup).
 - Allocating the GHG emissions to each of the individual products would be rather an impossible task, as the ratio of the products is dependent on the sales mix and market requirements. In addition, depending on the scheduled production mode in each week,

the ratio of the products produced may vary significantly, as does the natural gas consumption. We are therefore asking that CAS allows that the benchmarking is done against the RAW CANE SUGAR, our main ingredient for production.

2. Emissions allocation tab:

- Could you please clarify what needs to be entered under "Approximate Product/Facility Emissions" and "tonnes CO₂e" cells? Considering that the cell E27 is a sum of all E5:E25 cells, it seems logical to enter emissions as tCO₂e. Then, what is a purpose of the column G?

3. Electricity and Heat Inputs/Outputs

- Does "Heat (GJ)" include steam produced? We are required to report steam produced under the GGERR. Are you using these two terms interchangeably?
- What is the emission factor associated with purchased electricity? Alberta is using 0.37 tCO₂e per MWh, while we were historically using 0.033 tCO₂e per MWh for our BC facility (for internal reporting)

4. Statement of certification tab:

- Year that Facility is applying to participate: It is e2019 by default. Does it mean that it is for a 2018 year report, as reported in 2019?
- Summary of data reported: It seems that only cells under column E are linked to applicable tab. All other cells are not connected. Are we supposed to fill those cells? If yes, please provide the guidelines as requested in the above questions.

We are looking forward to receiving your reply in order to finalize our application.

Have a great day

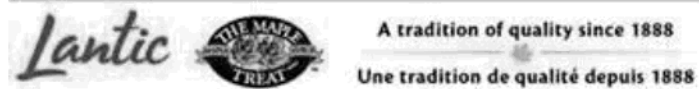
"Happiness depends upon ourselves" - Aristotle

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From: Knowler, Jessica ENV:EX [<mailto:Jessica.Knowler@gov.bc.ca>]

Sent: Monday, June 03, 2019 4:32 PM

Cc: GHG Regulator ENV:EX

Subject: Webinar presentations posted - CleanBC Industrial Incentive Program

Hello,

Thank you to everyone who was able to join us for the CleanBC Industrial Incentive Program webinars on May 16th (SFO application form) and May 28th (LFO application form). A copy of each presentation is now posted on the [CIIP website](#).

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Sincerely,

The Industrial Reporting and Control Team (IRC)
Climate Action Secretariat
BC Ministry of Environment and Climate Change Strategy

From: [Peyman, Hurrian ENV:EX](#)
To: [Fox, Robert ENV:EX](#)
Subject: FW: Response required - FW: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application
Date: June 11, 2019 1:13:21 PM
Attachments: [image001.png](#)

Hi Robert,

This is the first bit of discussion with Lantic sugar refinery. Jessica will be responding on our behalf. I'm recommending that we offer to give them a presentation about the CleanBC Program for Industry.

From: Peyman, Hurrian ENV:EX
Sent: June 10, 2019 6:16 PM
To: Narayan, Karthik ENV:EX ; GHG Regulator ENV:EX ; Orellana, Andrea ENV:EX
Subject: RE: Response required - FW: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hi,

Based on the complexity of allocating emissions to different product streams, and based on our preferences for simpler benchmarks, I think we should have raw cane sugar (I'm assuming as a throughput) as their "product"

From: Narayan, Karthik ENV:EX
Sent: June 10, 2019 5:01 PM
To: GHG Regulator ENV:EX <GHGRegulator@gov.bc.ca>; Peyman, Hurrian ENV:EX <Hurrian.Peyman@gov.bc.ca>; Orellana, Andrea ENV:EX <Andrea.Orellana@gov.bc.ca>
Subject: RE: Response required - FW: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Thanks Jessica,

Hurrian,

Yeah, they reached out!

With multiple products produced as off-stream of the white sugar production, I am wondering if we can ask for maybe a "top x(3?) products" by volume based on historical average over the last y years (to manage the changing ratio of the products)? Else, we could ask them to describe a bit on what the "off-stream" production entails and the emissions that it might cover.

If still not feasible, then Benchmarking can be done against the RAW CANE SUGAR, and which includes further processing through the different processes that are all energy / steam / electricity demanding into Liquid sugar, icing sugar, cubes, blended brown sugars.

Talk later.

Cheers

Karthik

From: GHG Regulator ENV:EX
Sent: June 10, 2019 10:53 AM
To: Peyman, Hurrian ENV:EX <Hurrian.Peyman@gov.bc.ca>; Narayan, Karthik ENV:EX <Karthik.Narayan@gov.bc.ca>; Orellana, Andrea ENV:EX <Andrea.Orellana@gov.bc.ca>
Subject: Response required - FW: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hi everyone,

Detailed questions about the CIIP application form are coming in and I may need some help answering them. I have put your name in front of the question below that I need help answering. If there are questions I can answer or are already covered in FAQ, I've noted that. We are trying to have a 2 business day turnaround for these requests. I will compile the answers and send back a coordinated response.

Thanks for your help!

Jessica

From: Jelena Denin Djurdjevic <idenindj@lantic.ca>

Sent: June 9, 2019 11:56 PM

To: GHG Regulator ENV:EX <GHGRegulator@gov.bc.ca>

Cc: Gary Mustvedt <GMustvedt@lantic.ca>

Subject: CleanBC Industrial Incentive Program - Questions with regards to a CIIP application

Hello The IRC team,

Thank you for providing the tools for CIIP application.

I have a few questions regarding the CIIP application for our company:

Hurrian/Karthik-Lantic's products to be benchmarked

1. Benchmarking (*List all products and/or services produced by the reporting operation and their total production amounts in appropriate units. Products must be the same as those which have been agreed, between CAS and industry, to be benchmarked for the CleanBC Industrial Incentive Program. If benchmarked products have not yet been determined, list products as defined by the facility. Where production data is not yet available, estimated or projected quantities may be provided. To add more production items, unhide rows beginning under Production Item 4.*):
 - Lantic Inc. Vancouver Refinery is refining Raw Cane Sugar, with the white sugar being the main product that is either packed as is or is further processed through the different processes that are all energy / steam / electricity demanding into Liquid sugar, icing sugar, cubes, blended brown sugars.
 - There are also several additional products produced as off-streams of the white sugar production (Golden Yellow – boiled soft sugar, Molasses – refiners and feed, and Rogers golden syrup).
 - Allocating the GHG emissions to each of the individual products would be rather an impossible task, as the ratio of the products is dependent on the sales mix and market requirements. In addition, depending on the scheduled production mode in each week, the ratio of the products produced may vary significantly, as does the natural gas consumption. We are therefore asking that CAS allows that the benchmarking is done against the RAW CANE SUGAR, our main ingredient for production.

Jessica

2. Emissions allocation tab:
 - Could you please clarify what needs to be entered under "Approximate Product/Facility Emissions" and "tonnes CO2e" cells? Considering that the cell E27 is a sum of all E5:E25 cells, it seems logical to enter emissions as tCO2e. Then, what is the purpose of the column G?

Andrea

3. Electricity and Heat Inputs/Outputs
 - Does "Heat (GJ)" include steam produced? We are required to report steam produced

under the GGERR. Are you using these two terms interchangeably?

- What is the emission factor associated with purchased electricity? Alberta is using 0.37 tCO₂e per MWh, while we were historically using 0.033 tCO₂e per MWh for our BC facility (for internal reporting)

Jessica

4. Statement of certification tab:

- Year that Facility is applying to participate: It is e2019 by default. Does it mean that it is for a 2018 year report, as reported in 2019?
- Summary of data reported: It seems that only cells under column E are linked to applicable tab. All other cells are not connected. Are we supposed to fill those cells? If yes, please provide the guidelines as requested in the above questions.

We are looking forward to receiving your reply in order to finalize our application.

Have a great day

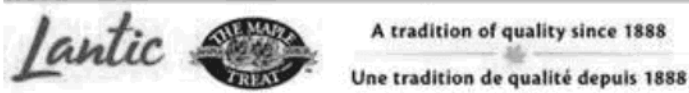
Happiness depends upon ourselves" - Aristotle

Jelena (Yellena) Denin Djurdjevic

Acting Corporate Director, Quality Assurance and Environment

T: 604-253-1131 x 4344 | C: (604) 377-4507 | E: jdenindj@lantic.ca

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