

Non-Point Source Project Team Meeting #15

Date: Monday, April 24th, 2017

Time: 9:30 – 15:00

Place: CASA Office, 10th floor, 10035 108th Street NW, Edmonton, Alberta

IN ATTENDANCE

<u>Name</u>	<u>Stakeholder Group</u>
Atta Atia	Alberta Agriculture & Forestry (AAF)
Nadine Blaney	Alberta Airsheds Council (AAC)
Jill Bloor	Alberta Airsheds Council (AAC)
Bill Calder	Prairie Acid Rain Coalition
Rhonda Lee Curran	Alberta Environment & Parks (AEP)
Katie Duffett	Clean Air Strategic Alliance (CASA)
Jim Hackett	ATCO
Carolyn Kolebaba	Alberta Association of Municipal Districts & Counties (AAMDC)
Steve Marshman	Alberta Canola Association
Lauren Maris	City of Red Deer
Alison Miller	Imperial Oil Ltd. (CAPP/CIAC)
Corinna Mulyk	Alberta Transportation
Andrew Read	Pembina Institute
Tanya Sakamoto	City of Calgary
David Spink	Prairie Acid Rain Coalition
Scott Wilson	Alberta Motor Association (AMA)
Martin Van Olst	Environment and Climate Change Canada (ECCC)
Ruth Yanor	Mewassin Community Council

GUESTS

<u>Name</u>	<u>Stakeholder Group</u>
David Dodge	Energy Efficiency Alberta

REGRETS

<u>Name</u>	<u>Stakeholder Group</u>
Tasha Blumenthal	Alberta Association of Municipal Districts & Counties (AAMDC)
Rob Hoffman	Canadian Fuels Association (CFA)
Karla Reesor	Alberta Airsheds Council (AAC)
Chandra Tomaras	City of Edmonton



MINUTES



Action Items	Who	Due
2.1: The NPS Project Team will send Katie any additional NPS resources including information on actions to address NPS in Alberta and any references outside Alberta (i.e. National/International and/or cross-jurisdictional reviews).	All Project Team Members	Ongoing
February 23rd, 2017		
13.13 Provide information on practices used by municipalities to manage road and construction dust in advance of the May NPS Project Team meeting.	Tasha Blumenthal	May 2017
March 30th, 2017		
14.4: Draft information on existing emissions management actions for commercial/residential heating non-point sources (with any updates to be included from the upcoming stakeholder conversation with Energy Efficiency Alberta).	Rhonda Lee Curran	April 30 th , 2017
14.5: Draft information on existing emissions management actions for agriculture non-point sources by April 30 th .	Atta Atia Steve Marshman	April 30 th , 2017
14.6: Draft information on existing emissions management actions for oil sands specific non-point sources and industrial non-point sources by April 30 th .	Rob Hoffman Alison Miller	April 30 th , 2017
14.7: Draft information on existing management actions for construction & road dust (for industrial sites) by April 30 th .	Alison Miller	April 30 th , 2017
14.10: Incorporate the NPS Project Team & CRAZ feedback into the draft urban planning recommendation(s) and provide it to Katie for distribution to the project team for their April 24 th meeting.	Lauren Maris Municipal Caucus	April 17 th , 2017
14.12: Draft a recommendation for home heating, if appropriate, following discussions with Energy Efficiency Alberta. Andrew to draft an additional recommendation to Energy Efficiency Alberta that, with every proposed energy efficiency action, they assess its impact on air quality and that they give greater weight to actions with a substantial air quality co-benefit.	Andrew Read Lauren Maris	April 30 th , 2017
14.19: Coordinate meetings with the federal government stakeholders for feedback on the ideas for potential management action.	Martin Van Olst	ASAP
14.20: Coordinate review of the ideas for potential management action with provincial government departments (e.g. Alberta Health, Municipal Affairs, NRCB).	Rhonda Lee Curran	ASAP
14.21: Arrange a conversation with their energy stakeholders about the ideas for potential management action.	Rob Hoffman Alison Miller	ASAP



14.22: Arrange conversation meeting(s) with trucking associations on relevant ideas for potential management action.	Rob Hoffman	ASAP
14.24: Project Team members to inform Katie of any scheduled stakeholder meetings so the information can be sent to the remainder of the team for possible attendance. A record of feedback will be taken at each conversation to share with the team.	Project Team	June 28 th , 2017
April 24th, 2017		
15.1: Distribute the source apportionment presentation from PAMZ to the project team.	Katie Duffett	ASAP
15.2: Distribute the Energy Efficiency Alberta presentation to the project team.	Katie Duffett	ASAP
15.3: Provide information on Transport Canada's National Strategy for Zero-Emission Vehicles to Scott for inclusion in the draft on-road light duty vehicles recommendations.	Corinna Mulyk	May 18 th , 2017
15.4: Katie to distribute a summary of the meeting with the Motor Dealers Association prior to the April 28 th meeting.	Katie Duffett	April 28 th , 2017
15.5: Send any additional comments/revisions on the urban planning recommendation to Katie by May 18 th .	Project Team	May 18 th , 2017
15.6: Draft a recommendation for inclusion of air quality co-benefits as a selection criterion for Energy Efficiency Alberta Programs.	Bill Calder Andrew Read	May 18 th , 2017
15.7: For final report content, draft rationale for not recommending that Energy Efficiency Alberta include high efficiency furnaces in their existing programs.	Bill Calder Andrew Read	May 18 th , 2017
15.8: Send Katie information on Right to Farm legislation for distribution to the project team.	Steve Marshman	May 18 th , 2017
15.9: Revise the open-air/prescribed burning draft recommendation based on feedback from the project team by May 18 th .	David Spink Tasha Blumenthal	May 18 th , 2017

Agenda

1. Administrative Items
 - a. Greetings
 - b. Approve the agenda and meeting objectives
 - c. Review and approve meeting #14 minutes and update the action log
 - d. Key announcements from Project Team members
 - e. Information sharing/updates between meetings
2. Energy Efficiency Alberta
 - a. Presentation on EEA program
 - b. Feedback on NPS Project Team potential management actions
3. Draft Recommendation Review
 - a. On-Road Light Duty Vehicles



- i. Any substantive changes
 - ii. Key stakeholder feedback
 - iii. Expectations for April 28th meeting
 - b. On-Road Heavy Duty Vehicles
 - i. Any substantive changes
 - ii. Key stakeholder feedback
 - iii. Expectations for April 28th meeting
 - c. Off-Road Equipment
 - i. Update on Construction Subgroup
 - ii. Feedback from project team on sources/implementers
 - iii. Expectations for April 28th meeting
 - d. Residential Wood Burning (Inside and Outside)/Home Heating
 - i. Any substantive changes or additional feedback
 - ii. Next steps
 - e. Open Air/Prescribed Burning
 - i. Any substantive changes or additional feedback
 - ii. Next steps
 - f. Urban Planning
 - i. Feedback from key stakeholders
 - ii. Any substantive changes or additional feedback
 - iii. Next steps
 - g. Agriculture
 - i. Final report content
 - ii. Next steps
- 4. NPS Final Report
 - a. Technical editor contract
 - b. Overview of potential recommendations
 - i. Comfort with package as a whole, despite outstanding issues
 - c. Documentation status
 - i. Table of contents & front matter
 - ii. Gaps & uncertainties
 - iii. Rationale for NPS not addressed via recommendations (TTG list)
- 5. Communications Subgroup Update
 - a. Key messages from the April 12th workshop
 - b. Draft message map
- 6. Next Steps
 - a. Upcoming stakeholder conversations and team member attendance
 - b. Next meeting
 - c. Other business?
- 7. Adjournment

1. Administrative Items

Alison called the meeting to order and there was a round table of introductions.

The agenda and meeting objectives were reviewed and approved without amendment.



Minutes from the March 30th meeting were reviewed and approved without amendment. The action log was updated.

Announcements from project team members:

- There was a webinar on April 21st on Phase III source apportionment modeling completed by PAMZ and building on previous Capital Region source apportionment modeling.

Action Item 15.1: Katie to distribute the source apportionment presentation from PAMZ to the project team.

- New CAAQS values for NO₂ are expected in 2020. Some of Alberta's air zones will likely be in the orange and possibly red management zones. How the numbers are used is a concern for industry, but work is ongoing to ensure they are used appropriately.
- Updated CAAQS numbers for ozone are expected in 2025, with PM_{2.5} to follow within the next year or year and a half.
- Rhonda Lee is providing an overview of the NPS project at the CPANS conference on May 9th.

There was a discussion on how to manage documentation between meetings and optimize the use of meeting time. Updated documents will be sent to the project team between meetings and labeled as either 'for information,' 'for decision,' or 'action required' in the email subject line. Where possible, recommendation leads should indicate in updated documents where changes have been made (track changes or comments).

2. Energy Efficiency Alberta

David Dodge from Energy Efficiency Alberta (EEA) provided a presentation on energy efficiency trends globally and the existing and planned EEA programs.

There was a question and answer session following the presentation, which included the following information:

- EEA's programs do not include financial incentives for high efficiency furnaces. The decision to not include them was data driven; consumers will purchase them regardless of financial incentives. How homes are heated will change dramatically in the next 20 – 30 years and it may not be a good use of funding to incentivize furnaces.
- There are many projects in Canada and elsewhere for development of net-zero energy buildings, but how to address existing buildings is a concern. An example of how this is being dealt with elsewhere is the Energiesprong program in the Netherlands which has a goal of renovating buildings to net-zero energy on a large scale.
- The EEA is interested in emissions reductions, but it currently isn't a priority for program development.
- Wind energy technologies have better acceptance in Alberta than in the rest of Canada, but not all farmers support having wind turbines on their land due to resulting loss of farmland and lack of protection for the farmer or landowner (leases are not used).



- EEA does not deal with electric vehicles; they are not in the project mandate. Other levels of government, such as municipalities, are doing work related to increase electric vehicle uptake.
- Future EEA programs aimed at businesses and small energy are under development, in addition to more work on home energy efficiency. The EEA has the potential to make a difference in emissions, and they would like advice for areas of focus.

Action Item 15.2: Katie to distribute the Energy Efficiency Alberta presentation to the project team.

3. Draft Recommendations

3.A On-Road Light Duty Vehicles

Scott provided a summary of the changes made to the draft recommendations following the feedback provided at the March 30th NPS project team meeting.

Additional feedback was received:

- Transport Canada has initiated their National Strategy for Zero-Emission Vehicles. Information on the program should be included.

Action Item 15.3: Corinna to provide information on Transport Canada's National Strategy for Zero-Emission Vehicles to Scott for inclusion in the draft on-road light duty vehicles recommendations.

- A potential additional recommendation is for the EEA to develop and implement a program targeting zero and low emitting vehicles.
- There is concern about the implications of the recommendation on tampering with emissions controls and the impact it could have for those people and businesses who tampered with the controls while it was legal to do so. The discussion was not resolved and it will be revisited during the April 28th project team meeting.
- There was a request for data relating to the performance of emissions control technology in Alberta to help further the discussion on tampering.
- The recommendations focus on low and zero emitting vehicles, but natural gas vehicles are also an option and should be included. The Canadian Natural Gas Vehicle Alliance is a potential additional stakeholder.

Project team members were asked to come prepared with alternate wording/solutions and to discuss interests, not positions, for the April 28th meeting. Specifically, the recommendations to increase uptake of zero and low emitting vehicles (recommendations 1A and 1B) and the recommendation related to tampering with emissions controls (recommendation 3) will be discussed at that meeting.

Scott, Katie, and Keith met with Denis Decharme of the Alberta Motor Dealers Association (MDA) on April 10th. The MDA supported recommendations to increase awareness and education and were willing to work with stakeholders. They also supported restrictions on tampering for on-road light duty vehicles and supportive incentives to increase uptake of zero and low emitting vehicles. The MDA did not support

putting requirements on dealerships for sales quotas or vehicle inventory, or financial incentives for purchase of zero and low emitting vehicles.

Action Item 15.4: Katie to distribute a summary of the meeting with the Motor Dealers Association prior to the April 28th meeting.

3.B On-Road Heavy Duty Vehicles

Andrew provided a summary of the changes made to the draft recommendations following the March 30th project team meeting.

Additional feedback was received:

- Some additional references can be added to the document, including the Calgary Regional Partnership and the source apportionment work completed by PAMZ.
- Wording changes are needed for the procurement practices part of the SmartWay partnership recommendation.

The recommendations for SmartWay Partnership (recommendation 2), vehicle weight threshold and inspection of commercial vehicle emission controls (recommendation 3), and an on-road diesel emissions testing study (recommendation 5) will be further discussed on April 28th.

3.C Off-Road Equipment

Rhonda Lee provided an update on the off-road equipment discussions.

There is an existing Memorandum of Understanding between Alberta Transportation and the Alberta Roadbuilders and Heavy Construction Association with the aim of reducing greenhouse gas emissions. The agreement expires in 2017 and a meeting has been scheduled on May 9th as an initial step towards forming a working group to further the discussion around reinvigorating it. There will be ongoing conversations in this area and a recommendation from the NPS project team isn't required. The final NPS report should include rationale for why the project team is not addressing it.

At the previous NPS project team meeting there was a request for members to consider which off-road equipment sources should be targeted for recommendations, and who would be the implementers. After some discussion, the project team decided information on personal off-road equipment (e.g. jerricans, recreational equipment, residential lawn and garden equipment) would be better included as information in the report for consideration in awareness/education initiatives, but not as specific recommendations given that use of this off-road equipment generally occurs in the summer, and the air quality concerns are more focused on winter. They may be considerations for future work and will be included in the report messaging about improving air quality to increase awareness of their impacts.

3.D Urban Planning



Lauren and Tanya provided an update on the draft urban planning recommendation and the changes made following feedback received at the last meeting.

The draft recommendation had been provided to CRAZ and they were asked to provide feedback by April 24th. Some comments were received but they have not yet been reviewed and incorporated into the draft recommendation.

Additional feedback from the project team included:

- Detail can be added to the “advice to implementers” section on mechanisms that exist for municipalities to collaborate on urban planning (e.g. Municipal Governance Act, collaboration agreements, etc.).
- There are communities who have implemented urban design to improve environmental outcomes; they can be referenced in the background and rationale.
- An educational piece is needed to ensure developers, planners, and consumers have access to information on urban form. It may include promotion of existing information by the provincial and municipal governments, and airsheds.
- The time and effort needed to educate consumers should be specifically identified in the “practicality of implementation” section.

Action Item 15.5: Project team members to send any additional comments/revisions on the urban planning recommendation to Katie by May 18th.

3.E Residential Wood Burning (Inside and Outside)/Home Heating

Andrew provided an update on the draft residential wood burning recommendation.

At the last meeting there was a discussion on the potential addition of a recommendation for Energy Efficiency Alberta to include financial incentives for purchase of high efficiency furnaces to their program. Following the presentation from David Dodge earlier in the meeting, the project team decided instead that the recommendation will be for the Energy Efficiency Agency to include and prioritize air quality benefits in the criteria they use for program development. Rationale for why the project team is not making a recommendation to specifically target home heating will be included in the report.

Action Item 15.6: Andrew and Bill to draft a recommendation for inclusion of air quality co-benefits as a selection criterion for Energy Efficiency Alberta programs.

Action Item 15.7: For final report content, Andrew and Bill to draft rationale for not recommending that Energy Efficiency Alberta include high efficiency furnaces in their existing programs.

3.F Open-Air/Prescribed Burning

David provided an update on the draft open-air/prescribed burning recommendation.



Additional feedback from the project team included:

- The recommendation should identify and protect the farmer’s right to farm, in line with the *Agricultural Operation Practices Act* legislation. Burning crops is sometimes necessary and requirements for farmers to monitor air quality before doing so would be burdensome.
- The recommendation references “large scale burning,” which can be interpreted different ways and should be clearly defined.
- There was disagreement as to whether or not the recommendation should ask that farmers take air quality into consideration when scheduling burns.
- Municipalities already issue permits for open-air/prescribed burning, and this should be referenced in the recommendation.
- The recommendation is currently directed at the provincial government. Municipalities have by-law authority for safety and health, and under the new Municipal Government Act will also be able to include the well-being of the environment. There may be an opportunity to direct the recommendation to municipalities as well.
- There is concern that municipalities will not have the ability to consider air quality concerns in relation to burn permits given there are limitations to available ambient air monitoring data.
- The document should be reformatted to match the format being used by the other draft recommendations.

Action Item 15.8: Steve to send Katie information on Right to Farm legislation for distribution to the project team.

Action Item 15.9: David to revise the open-air/prescribed burning draft recommendation based on feedback from the project team by May 18th.

The project team did not reach agreement on the draft recommendation and the discussion was tabled for further consideration on April 28th.

3.G Agriculture

The project team discussed the agricultural emissions content to be included in the NPS final report. Additional content is being developed and includes information on past, current, and planned work as well as research and policy around air emissions. Ammonia is identified as the priority pollutant, but other pollutants are also included.

The project team requested that information on the challenges and barriers to addressing agricultural emissions be included in the rationale.

Action Item 15.10: Atta and Steve to revise the agriculture rationale document to include information on barriers and challenges to addressing emissions in the agricultural sector for the final report.

4. NPS Final Report



Nancy Mackenzie has been hired as the technical editor for the NPS final report. The co-chairs have scheduled a teleconference to discuss the draft table of contents of the report and the status of the documentation in preparation for Nancy to start receiving documentation from the project team.

An overview of the project team's recommendation package was distributed prior to the meeting. It provided a high level overview of the non-point sources and related theme areas being addressed by the team, and their associated potential management actions.

The project team discussed the recommendation package overview and had the following feedback:

- Some of the recommendations (e.g. mobile sources, urban planning) have the co-benefit of reducing NO₂ emissions. Given that CAAQS for NO₂ are forthcoming, that co-benefit should be highlighted.
- Mobile sources has a heavy emphasis, but they represent the largest opportunity for action.
- The linkage between emissions from mobile sources and urban form should be made more explicit.

David provided an overview of the gaps and uncertainties document. It was noted that the final report will include both a gaps and uncertainties section and also rationale for any non-point sources identified in the TTG report that were not selected for development of potential management actions. Both of those sections may be linked to recommendations for further work, which will be discussed further at a later date.

5. Communications Subgroup Update

The Non-Point Source Emissions and Air Quality Communications Workshop was held on April 12th. Representatives from government (federal, provincial and municipal levels), airsheds, and NGOs were in attendance and there was a high level of interest in coordinating communications efforts.

Future work is needed to determine who will manage coordination, but the Alberta Airsheds Council was identified as a possible lead organization, potentially with support from CASA. The NPS Communications Subgroup was asked to review the workshop outcomes and identify next steps during their April 27th meeting.

The NPS message map had been revised to include information provided at the March 30th meeting. The project team was asked to review the message map and submit any comments with the intent of finalizing the document during the May 29th meeting.

Action Item 15.11: Project Team members to send any revisions to the draft message map to Katie by May 15th.

6. Next Steps

The NPS draft recommendations will be discussed at the Capital Region Oversight Advisory Committee on June 8th and the Red Deer Advisory Committee meeting on June 12th.

Action Item 15.12: Project Team members are asked to contact Katie if they would like to participate in the Capital Region Oversight Advisory Committee or the Red Deer Advisory Committee meetings on June 8th and 12th, respectively, by May 18th.

The next NPS Project Team meetings are scheduled for April 28th (half-day), May 29th, and May 31st (half-day) in Edmonton.

7. Adjournment

The meeting was adjourned at 2:45pm.