

Non-Point Source Project Team Meeting #13

Date: Thursday, February 23rd, 2017

Time: 9:30 – 14:30

Place: CASA Office, 10th Floor, Center West Building, 10035 – 108 Street, Edmonton

IN ATTENDANCE

<u>Name</u>	<u>Stakeholder Group</u>
Atta Atia	Alberta Agriculture & Forestry (AAF)
Nadine Blaney	Alberta Airshed Council (AAC)
Tasha Blumenthal	Alberta Association of Municipal Districts & Counties (AAMDC)
Bill Calder	Prairie Acid Rain Coalition
Rhonda Lee Curran	Alberta Environment & Parks (AEP)
Katie Duffett	Clean Air Strategic Alliance (CASA)
Rob Hoffman	Canadian Fuels Association (CFA)
Carolyn Kolebaba	Alberta Association of Municipal Districts & Counties (AAMDC)
Lauren Maris	City of Red Deer
Steve Marshman	Alberta Canola Association
Alison Miller	Imperial Oil Ltd. (CAPP/CIAC)
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

REGRETS

<u>Name</u>	<u>Stakeholder Group</u>
Jill Bloor	Alberta Airsheds Council (AAC)
Jim Hackett	ATCO
Karla Reesor	Alberta Airsheds Council (AAC)
Chandra Tomaras	City of Edmonton

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



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9.5: Ask Environment and Climate Change Canada to forward any Alberta specific health effects data to the Communication Subgroup.	David Spink	March 15 th , 2017
11.1 Revise the recommendation on VOCs from gasoline distribution as a recommendation to, or for consideration by, Alberta Environment and Parks.	Alison Miller Rob Hoffman	March 15 th , 2017
February 3rd, 2017		
12.2 Send Katie/Scott information on the number of electric, hybrid, and gasoline vehicles registered in Alberta.	Rupesh Patel	March 15 th , 2017
12.6 Contact Energy Efficiency Alberta and coordinate a meeting between them and members of the project team to introduce the project and discuss the NPS draft recommendation ideas.	Andrew Read	March 15 th , 2017
12.12 Follow-up on the process for changing registration costs for on-road heavy duty vehicles and whether or not it's feasible to recommend reduced registration costs for SmartWay members.	Rupesh Patel	March 15 th , 2017
12.15 Municipal representatives to look into what indicators/measures they use to quantify levels of traffic congestion.	Chandra Tomaras Tanya Sakamoto Nancy Hackett Lauren Maris	March 15 th , 2017
12.16 Follow-up on whether or not Alberta Transportation has any long-term strategies for transportation corridors, nodes, and efficient routes and send that information to Katie.	Rupesh Patel	March 15 th , 2017
February 23rd, 2017		
13.1 Revise ongoing action items from the previous meetings to have a deadline of March 15 th , where appropriate.	Katie Duffett	ASAP
13.2 Co-Chairs will review the draft minutes of the February 3 rd team meeting on transportation in time for Katie to circulate to the NPS team in advance of their next meeting.	Bill Calder Rhonda Lee Curran Alison Miller	March 15 th , 2017
13.3 Revise the draft residential wood burning recommendation based on project team feedback and provide the revised draft recommendation to Katie by March 15 th .	Andrew Read	March 15 th , 2017
13.4 Project Team members to send technical/editorial revisions to the recommendation lead via email.	Project team	ASAP
13.5 Revise the draft agricultural emissions recommendation based on project team feedback and provide to Katie by March 15 th .	Steve Marshman Atta Atia	March 15 th , 2017
13.6 Complete revisions on the prescribed burning draft recommendation and send it to Katie by March 15 th for distribution to the project team.	David Spink Tasha Blumenthal	March 15 th , 2017



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13.7 Lauren to reach out to her Alberta Motor Dealers Association contact to gauge the level of support/interest for recommendations relating to dealership inventory before the next project team meeting.	Lauren Maris	March 30 th , 2017
13.8 Revise the draft on-road light duty vehicle recommendations based on the project team feedback and provide to Katie by March 15 th .	Scott Wilson	March 15 th , 2017
13.9 Revise the draft on-road heavy duty vehicle recommendations based on project team feedback and provide to Katie by March 15 th .	Andrew Read	March 15 th , 2017
13.10 Rhonda Lee to work with Andrew on wording related to National Safety Code 11B for inclusion in the on-road heavy duty vehicle weight threshold recommendation.	Rhonda Lee Curran Andrew Read	March 15 th , 2017
13.11 Rhonda Lee, Lauren, and potentially a representative from Alberta Transportation to meet and discuss an off-road equipment recommendation related to construction.	Rhonda Lee Curran Lauren Maris Corinna Mulyk/Rupesh Patel	March 15 th , 2017
13.12 Revise the Tier 4 Emissions Standards draft recommendation to take the form of content for the report but not a recommendation, for review at the March 30 th NPS Project Team Meeting.	Rhonda Lee Curran David Spink	March 15 th , 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
13.14 Send any additions/revisions to the stakeholder matrix to Katie by March 15 th for inclusion in the document and review at the next meeting.	Project team Katie Duffett	March 15 th , 2017
13.15 Draft a recommendation summary document and send it to the Co-Chairs for review and then distribution to the project team prior to the next NPS Project Team meeting.	Katie Duffett	March 15 th , 2017
13.16 Submit any revisions to the backgrounder document to Katie by February 27 th .	Project team	February 27 th , 2017
13.17 Review the draft message map and submit any suggestions to Katie for inclusion in the draft by March 15 th .	Project team	March 15 th , 2017
13.18 Project team members to canvass their organizations for potential representatives to join the Communications Subgroup.	Project team	March 30 th , 2017

Agenda

1. Administrative Items
 - a. Greetings and meeting quorum
 - b. Approve the draft agenda and meeting objectives
 - c. Review and approve meeting 11 minutes, review the action items from meeting 11 & 12



- d. Announcements from project team members
- 2. Draft Recommendation Review
 - a. Residential Wood Burning
 - i. Revisions based on project team feedback
 - ii. Next steps
 - b. Agricultural Emissions
 - i. Revisions based on project team feedback
 - ii. Next steps
 - c. Prescribed Burning
 - i. Revisions based on project team feedback
 - ii. Next steps
 - d. On-Road Light Duty Vehicles
 - i. Revisions based on project team feedback
 - ii. Next steps
 - e. On-Road Heavy Duty Vehicles
 - i. Revisions based on project team feedback
 - ii. Next steps
 - f. Off-Road Equipment
 - i. Gather input from project team on potential opportunities related to construction equipment
 - ii. Exploring ideas for potential recommendations
 - iii. Path forward for the subgroup
 - g. Off-Road Equipment: Tier 4 Emissions Standards
 - i. Information from Federal Government
 - ii. Path forward
- 3. Construction and Road Dust
 - a. Discuss approach including potential scope of work for an information gathering contract
 - b. Next steps
- 4. Stakeholder Conversations
 - a. Timelines
 - b. List of key stakeholders
 - c. Approach for soliciting feedback; who will be involved
- 5. Communications Subgroup
 - a. Timelines/Expectations
 - b. Draft communications materials
 - c. Workshop planning
- 6. Next Steps
 - a. Next meeting dates
 - b. March 15th Board meeting – presenters
- 7. Adjournment

1. Administrative Items

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



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The agenda was reviewed and approved without changes. Due to time constraints, discussion of some items were deferred until the March 30th NPS Project Team meeting. This included the draft gasoline distribution recommendation, the draft urban planning recommendation, and the draft gaps and uncertainties document.

The minutes from January 26th were approved pending some revisions/corrections.

The action items were reviewed and updated as follows:

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
9.5: Ask Environment and Climate Change Canada to forward any Alberta specific health effects data to the Communication Subgroup.	David Spink	March 15 th , 2017
10.3: Co-Chairs to review and approve the technical writer/editor scope of work and budget at the next Co-Chairs meeting (December 6 th).	Co-Chairs	Complete
11.1 Revise the recommendation on VOCs from gasoline distribution as a recommendation to, or for consideration by, Alberta Environment and Parks.	Alison Miller Rob Hoffman	March 15 th , 2017
11.2 Review available emission inventory data to determine if there is information on the proportion of residential heating emissions caused by wood-burning appliances and fireplaces.	Rhonda Lee Curran	Complete
11.3 Municipality representatives to provide CASA (to forward to Andrew) any operating and permit requirements for residential wood burning appliances and fireplaces.	Lauren Maris Nancy Hackett Chandra Tomaras Tanya Sakamoto	Complete
11.4 Revise the agricultural emissions recommendations to specifically identify which research projects are high priority with regards to addressing non-point source emissions.	Atta Atia Steve Marshman	Complete
11.5 Project team members to determine whether anyone in their organization/network has relevant expertise to either take the lead or assist in the development of a recommendation on construction operations and road dust.	All project team members	Complete
11.6 Develop an initial draft of packaging/prioritizing the gaps and uncertainties identified in the TTG final report for inclusion in the NPS final report.	David Spink	Complete
11.7 Finalize a format for the draft recommendations and distribute to all project team members.	Bill Calder Rhonda Lee Curran	Complete



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	Alison Miller	
11.8 Flesh out recommendations as much as possible according to the template sent out by the Co-Chairs for discussion during the February 23 rd meeting.	Recommendation leads	Complete
11.9 Revise the NPS Backgrounder document based on initial feedback and then distribute it to the project team.	Katie Duffett	Complete
11.10 Schedule a municipal caucus teleconference for mid-February	Katie Duffett	Complete
12.1 Scott/On-Road Light Duty Vehicles Subgroup to revise their draft recommendations based on feedback from the NPS Project Team.	Scott Wilson/On-Road Light Duty Vehicles Subgroup	Complete
12.2 Send Katie/Scott information on the number of electric, hybrid, and gasoline vehicles registered in Alberta.	Rupesh Patel	March 15 th , 2017
12.3 Discuss potential development of an urban planning recommendation during their February 7 th teleconference.	Municipal Caucus	Complete
12.4 Send the draft recommendation on Tier 4 emissions standards to Katie for distribution to the NPS Project Team.	David Spink	Complete
12.5 Follow up on whether or not the federal government is doing anything related to the Tier 4 limits.	Martin Van Olst	Complete
12.6 Contact Energy Efficiency Alberta and coordinate a meeting between them and members of the project team to introduce the project and discuss the NPS draft recommendation ideas.	Andrew Read	March 15 th , 2017
12.7 Off-Road Equipment Subgroup to revise their draft recommendations based on feedback from the NPS Project Team.	Off-Road Equipment Subgroup	Complete
12.8 Email the project team information on farming practices that have been implemented to reduce greenhouse gas emissions.	Steve Marshman	Complete
12.9 Schedule an additional Municipal Caucus meeting for discussion/feedback on draft recommendations as part of the stakeholder review process.	Katie Duffett	n/a
12.10 Send Katie contact information for the Alberta Motor Dealers Association so an initial meeting can be scheduled for after the February 23 rd NPS Project Team meeting.	Scott Wilson	Complete
12.11 Send Katie the article on electric bus use in California and the City of Edmonton feasibility study.	Chandra Tomaras	Complete
12.12 Follow-up on the process for changing registration costs for on-road heavy duty vehicles and whether or not it's feasible to recommend reduced registration costs for SmartWay members.	Rupesh Patel	March 15 th , 2017



12.13 Andrew/On-Road Heavy Duty Vehicles Subgroup to revise their draft recommendations based on feedback from the NPS Project Team.	On-Road Heavy Duty Subgroup	Complete
12.14 Follow up on the On-Road Heavy Duty Vehicle recommendation #4 (alignment of weight thresholds) for clarification on the current situation.	Andrew Read Steve Marshman	Complete
12.15 Municipal representatives to look into what indicators/measures they use to quantify levels of traffic congestion.	Chandra Tomaras Tanya Sakamoto Nancy Hackett Lauren Maris	March 15 th , 2017
12.16 Follow-up on whether or not Alberta Transportation has any long term strategies for transportation corridors, nodes, and efficient routes and send that information to Katie.	Rupesh Patel	March 15 th , 2017
12.17 Send draft recommendation template to the Co-Chairs for review and distribution to the project team.	Katie Duffett	Complete
12.18 Put draft recommendations into the revised template by February 22 nd (or earlier if possible) for discussion at the February 23 rd meeting.	Recommendation Leads	Complete

Action Item 13.1: Katie to revise ongoing action items from the previous meetings to have a deadline of March 15th, where appropriate.

Action Item 13.2: Co-Chairs will review the draft minutes of the February 3rd team meeting on transportation in time for Katie to circulate to the NPS team in advance of their next meeting.

Project team members provided updates, including:

- The City of Edmonton and Alberta Transportation are continuing to work on electric vehicle uptake and are moving towards stakeholder consultation. There may be some opportunities for collaboration with the NPS project.
- The NDP provincial council met last week and approved a hybrid electric vehicle grant program for small and medium sized businesses.
- The AAMDC has a climate change advisory committee beginning work on methane reduction. The first meeting of the group is next week.
- The Federal Budget is coming out in March and should have support for the Pan Canadian Framework on Climate Change.

Meeting feedback surveys were also distributed to the project team and they were asked to complete the survey prior to the end of the meeting.

2.A Residential Wood Burning

Andrew summarized the changes made to the recommendations following feedback received at the last meeting. Equipment standards for new builds may already be in effect. Once it's confirmed the equipment



recommendation will be shifted to focus on incentives for retrofitting. Additional information received from the provincial government and the City of Red Deer was also added to the background sections.

Further revisions were requested by the project team:

- Clearly state inclusion of consideration for homes where wood burning appliances are the only source of heating.
- Information on the City of Edmonton by-laws relating to weather and ambient conditions and wood burning can be added to the background for the second recommendation.
- The recommendations should be specific about to whom the recommendation is directed.
- The interplay between the climate change and air quality should be captured.

Action Item 13.3: Andrew to revise the draft residential wood burning recommendation based on project team feedback and provide the revised draft recommendation to Katie by March 15th.

Action Item 13.4: Project team members to send technical/editorial revisions to the recommendation lead via email.

2.B Agricultural Emissions

In January the project team had indicated the recommendation was too broad. It had been narrowed down to focusing on research opportunities for development of best management practices relating to ammonia.

Further revisions were requested by the project team:

- Inclusion of data from the latest release of the NPRI.
- Include rationale for VOCs and PM_{2.5} not being included in a recommendation given they are specifically referenced in the TTG report.

Action Item 13.5: Steve and Atta to revise the draft agricultural emissions recommendation based on project team feedback and provide to Katie by March 15th.

2.C Prescribed Burning

A version of this recommendation had been distributed to project team members prior to the meeting, but it has since been revised to include information from the Parkland Airshed Management Zone on urban and rural by-laws and measures regarding open air burning.

Once the recommendation leads finish reviewing the added information it will be distributed to the project team for review and discussion during the March 30th meeting.

Action Item 13.6: David and Tasha to complete revisions on the prescribed burning draft recommendation and send it to Katie by March 15th for distribution to the project team.

2.D On-Road Light Duty Vehicles



Changes made to the on-road light duty vehicle recommendations since the previous meeting were largely related to packaging. The recommendations related to low and zero emitting vehicles were compiled into a single three-pronged recommendation.

The project team did not reach full agreement on the recommendation related to requirements on dealership inventory amount/type of vehicles to increase visibility of available low/zero emitting vehicles. A separate meeting dedicated to working through the draft recommendation may be required, but first the recommendation will be put forward to the Alberta Motor Dealers Association for initial feedback. A concern was also raised about recommending financial incentives to purchase LEV's.

Action Item 13.7: Lauren to reach out to her Alberta Motor Dealers Association contact to gauge the level of support/interest for recommendations relating to dealership inventory before the next project team meeting.

There was interplay between discussions on light duty vehicle and heavy duty vehicles. The emissions control draft recommendation was discussed and in particular the model year requirement. There was some concern that the 2017 model year is not an appropriate cut-off point for emissions control tampering and instead the recommendation should be re-worded to indicate that tampering should be regulated once the technology performs adequately in Alberta climate conditions (in relation to concerns with heavy-duty vehicles). This recommendation should be expanded to include on-road heavy duty vehicles.

Action Item 13.8: Scott to revise the draft on-road light duty vehicle recommendations based on the project team feedback and provide to Katie by March 15th.

2.E On-Road Heavy Duty Vehicles

The on-road heavy duty vehicle recommendations had been revised based on feedback from the last meeting. Like the on-road light duty, the main change was that they had been repackaged based on recommendation themes.

Some additional revisions were suggested:

- The first recommendation should cover rationale for all three components of the recommendation.
- Additional stakeholders should be added to some of the recommendations (e.g. municipalities with public transit, the Energy Efficiency Advisory Committee, trucking companies/associations, the Northern Transportation Advisory Bureau, and the Federation of Canadian Municipalities).
- The recommendation relating to SmartWay membership should use wording to indicate preferential selection for contracts rather than a requirement for bidders to be a part of SmartWay.
- Recommendation #3 should include a description of the linkage between weight thresholds and emissions reductions.
- Information on National Safety Code 11B will be included in recommendation #3.
- Whether or not the recommendations apply to agricultural vehicles should be stated.
- Recommendation #4 should include reference to removal of rail lines between municipalities.

Action Item 13.9: Andrew to revise the draft on-road heavy duty vehicle recommendations based on project team feedback and provide to Katie by March 15th.

Action Item 13.10: Rhonda Lee to work with Andrew on wording related to National Safety Code 11B for inclusion in the on-road heavy duty vehicle weight threshold recommendation.

2.F Off-Road Equipment

The Off-Road Equipment Subgroup had made limited progress since the last meeting and were looking for input on how to proceed with the draft recommendations. Construction operations/equipment are one of the largest off-road emissions sources, but any mandated emissions reductions would likely result in higher construction costs. There are many potential options, but this area may be one for which the project team recommends future CASA work.

The City of Calgary has an Environmental Construction Operations Program that involves inspections of construction projects to ensure they are complying with the practices they identified in the environmental plan (e.g. stockpile coverage for wind-borne erosion, idling practices, etc.). There's also been an energy efficiency best practices guide developed by the Alberta Government and the Alberta Roadbuilders and Heavy Construction Association. Both should be considered during development of a construction recommendation.

A small subgroup was formed to further discuss the construction recommendation, which included Rhonda Lee, Lauren, and potentially a representative from Alberta Transportation. Further discussion of the off-road equipment recommendations will be deferred to the March 30th meeting. Project team members were asked to consider the other ideas in advance and in particular whether or not the project team should put forward a recommendation on off-road equipment such as lawn and garden equipment, ATVs, snowmobiles, and marine equipment.

Action Item 13.11: Rhonda Lee, Lauren, and potentially a representative from Alberta Transportation to meet and discuss an off-road equipment recommendation related to construction.

2.G Off-Road Equipment: Tier 4 Emissions Standards

The afternoon portion of the meeting was chaired by Alison.

The federal government isn't currently planning any work related to the Tier 4 emissions standards, as implementation of the current limits is still in progress. Regulations from Environment Canada are reviewed every 10 years and will be reviewed again in 2022. The draft recommendation will be revised so that it is not a specific recommendation and instead encourages the provincial government to discuss it with the federal government in preparation for the regulation review in 2022.

Action Item 13.12: David and Rhonda Lee to revise the Tier 4 Emissions Standards draft recommendation to take the form of content for the report but not a recommendation, for review at the March 30th NPS Project Team Meeting.



3. Construction & Road Dust

At the last meeting there had been a request for volunteers to take on development of a recommendation in this area. There had been no volunteers and at the last Co-Chairs meeting the possibility of hiring a consultant for an information gathering project had been discussed.

The project team further discussed how to move forward on the issue and decided the information gathering can occur within the project team. Information from municipalities on practices for construction and road dust used by municipalities are available and can be compiled. Once the information is received the project team can determine what should be included in a recommendation, such as development of a best practices guide.

Action Item 13.13: Tasha to provide information on practices used by municipalities to manage construction and road dust in advance of the May NPS Project Team meeting.

4. Stakeholder Conversations

After the last meeting a matrix with the recommendation areas and stakeholders identified had been drafted. Project team members reviewed the matrix and discussed how to approach the stakeholder conversations. Additional stakeholders had been identified earlier in the meeting and would be incorporated into the matrix prior to the next meeting.

Action Item 13.14: Project Team members to send any additions/revisions to the stakeholder matrix to Katie by March 15th for inclusion in the document and review at the next meeting.

Municipalities were identified as key stakeholders for many of the recommendations and they were identified as a group to start with given there are representatives at the project team who can help to coordinate the conversations. In order to facilitate these discussions it would be useful if the draft recommendations were summarized in a consolidated ideas document. Once feedback is received an additional project team meeting may be required for discussion.

Action Item 13.15: Katie to draft a recommendation summary document and send it to the Co-Chairs for review and then distribution to the project team prior to the next NPS Project Team meeting.

5. Communications Subgroup

The Communications Subgroup was involved in workshop planning, with formal workshop invitations scheduled to be distributed before the end of the month. Initial interest in the workshop was good, with many people from different organizations wishing to participate. The tentative schedule places the workshop in early to mid-April.

The draft backgrounder document had been revised based on input during the January 26th meeting. Any further revisions/comments were requested by February 27th so that the final backgrounder can be included in the March 15th Board materials.



Action Item 13.16: Project team members to submit any revisions to the backgrounder document to Katie by February 27th.

A draft message map was provided to the project team. It was modeled on the CASA message map, with columns for specific themes (e.g. air quality related definitions, air quality impacts, sources of non-point source emissions, etc.). Project team members were asked to review the message map and send any key messages to Katie for inclusion in the map.

Action Item 13.17: Project Team members to review the draft message map and submit any suggestions to Katie for inclusion in the draft by March 15th.

The project team was asked to consider whether or not they, or other individuals from their organizations, could participate in the Communications Subgroup. Currently the group is small and there are no representatives on the subgroup from industry.

Action Item 13.18: Project team members to canvass their organizations for potential representatives to join the Communications Subgroup.

6. Next Steps

Project team members were asked to enter their availability in the previously distributed Doodle Polls so that NPS Project Team meeting dates for April, May and June can be confirmed.

Andrew will provide the NPS update presentation to the Board on March 15th. The presentation will be developed by Katie and reviewed by Andrew and the Co-Chairs prior to the meeting.

7. Adjournment

The meeting was adjourned at 14:30.