

Fly Ash – BlueSource/EPCOR/TransAlta/Ashcor

#	Comment by	Clause/Section Number	Type of Comment (general, technical, editorial)	Comment or Justification for Proposed Wording Change	Proposed Wording Change	Alberta Environment Decision
1	Lorraine Brown, Poyry Energy (Calgary)		General	How does the lowering of the threshold for regulated entities effect industry in relation to the Federal System?	Response to general question from Jamie Callendar: There should be no significant change at the cement plant. If there is the inclusion of the satellite facilities the handling areas of fly ash could have potential issues	
2	Karen Haugen-Kozyra, Climate Change Central		General	How does this protocol differ from the WRI?	Jamie Callendar: We considered a more complete life cycle analysis including the downstream elements (Source, Sink, Reservoirs), of the Fly Ash cycle including production, transportation, construction etc.	

Methane Capture/Wastewater – Cargill/BlueSource

#	Comment by	Clause/Section Number	Type of Comment (general, technical, editorial)	Comment or Justification for Proposed Wording Change	Proposed Wording Change	Alberta Environment Decision
1	Micheal Peltzner, Enerflex		General	Where is the credit potential for biogas?	Response from Jamie Callendar: did not account for biogas in the baseline potential was very limited, looked at excess heat output, there is some room to change and will look at this, may be able to apply to baseline with proper justifications	
2	Karen Haugen-Kozyra, Climate Change Central		General	Flare Destruction Efficiency discussion please summarize.	Response from Jamie Callendar: flaring is an outlet where methane (CH4) will go, considered a good efficiency. CDM approach only notes flaring at a 50% efficiency. Upstream efficiencies of flaring are tracked due to SO2 output. Looked at the EPA new source performance standards. GEAES gives a 95% efficiency for flaring, California standards were not used.	
3	Xiaomei Li, Cee Bi Tec		General	When you have more than a 10 degree temperature variance you need to account for the lag time involved.	Response from Jamie Callendar: if you claim methane (CH4) decrease you must account for the lag time involved. In the winter there is minimal CH4 used. Biogas output is not captured unless they put a cap for the flow rate. The protocol does prescribe temperatures/timing in a general manner. Will consider a Flexibility Mechanism for an enhanced process.	
4	Karen Haugen-Kozyra, Climate Change Central		General	What is the applicability to the agricultural sector and open lagoons? Open lagoon sampling, would it be well correlated to the CDM methodology for BOD measurements?	Response from Jamie Callendar: wastewater treatment and manure management is different so we don't know how it would correlate. There is a big difference in how these are calculated.	
5	Bruce Love, Preferred Carbon		General	1) Any consideration for	1) Response from Jamie Callendar: not considered and not sure how it would affect	

				covered (manure) lagoons have gas accumulation underneath the cover and acts as an insulator to the lagoon 2) There will be some data out there - UofM study	the temperature of the lagoon. The manufacture specifies there should not be accumulation within the covers. 2) Would like to view that data/information. Both to speak more and share.	
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Bitumen Binder Substitution – BlueSource/Shell

#	Comment by	Clause/Section Number	Type of Comment (general, technical, editorial)	Comment or Justification for Proposed Wording Change	Response/Proposed Wording Change	Alberta Environment Decision
1	Karen Haugen-Kozyra, C3		General	For Flexibility Mechanisms: No reference on 3 years of data	Response from Kelly Bolitho: will further flush out flexibility mechanisms.	
2	Lorraine Brown, Poyry Energy		General	Rationale for excluding other additives as just one was addressed	Response from Kelly Bolitho: no direct data for other products. Will address another Flexibility Mechanism for addition other products	
3	Vince Elenko, Encana		General	Does the fuel type include propane and butane for burner fuel?	Response from Kelly Bolitho: any fuel type can be used, it is the heat that is measured	
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Dairy Protocol – Atlantic Dairy Farmers/ClimateCHECK

#	Comment by	Clause/Section Number	Type of Comment (general, technical, editorial)	Comment or Justification for Proposed Wording Change	Proposed Wording Change	Alberta Environment Decision
1	Tom Goddard, ARD		General	Is the spreading of manure using a 1 year baseline?	Response from Dr. Janzen: Yes, 1 year baseline	
2	Tom Goddard, ARD		General	Is the baseline adjusted annually?	Response from Dr. Janzen: the milk production curve has increase but after 2006 the curve for milk production has plateau.	
3	Tom Goddard, ARD		General	How do you counter the business as usual, since genetics of the animal are better now and good milk efficiency?	Response from Dr. Janzen: Efficiency gains in the industry have plateau'ed; the beyond business as usual for this protocol will come in terms of more innovation such as changes to diet to decrease ruminant methane (CH4) and maintain milk production efficiency.	
5	Tim Hofstra, Alberta Milk		General	How do you claim for efficiency for those dairy farmers that are already using the technology such as the plate cooler and farmers that are already displaying innovative practices?	Response from Dr. Janzen: unfortunately it does penalize the innovative early adopter of a change in practice, but this is what the dairy farmers decided with this protocol, this is the consensus for a beyond business as usual protocol.	
6	Karen Haugen-Kozyra, Climate Change Central	Table 2.4.4 Estimates of the Percentage Of Gross Energy Converted to Methane (Y _M)for Various Diets	Technical	Need to note not to exceed the 6% recommendation of edible oils in feed as this can become toxic to the bovine	Response from Dr. Janzen: this is generally self-governing for dairy farmers, since professional nutritionist is designing the diets; but can make an adjustment in this table to reflect the concern.	

Engine Fuel Mgmt – Encana/BlueSource

3	Micheal Peltzner, Enerflex Comment by	Clause/Section Number	Technical Type of Comment (general, technical, material)	Brake specific fuel consumption does not incent users to use hp efficiently Proposed wording change	Bluesource and Enerflex will discuss Proposed Wording Change	
4	Micheal Peltzner, Enerflex	Engine mnqt data	Technical	Would like to see more detail on the equipment situation. Scrap facility data if (CAPP gate 30%) by systems for information closer	Bluesource and Enerflex will discuss	
1	Micheal Peltzner Enerflex	Protocol Scope Table 1.13	Technical	to 5% to max of 10%?	Bluesource and Enerflex will discuss There was a general consensus with the protocol technical team and reviews to not use specific manufactures data. But may consider a Flexibility Mechanism after review of information/data.	
5	Karen Haugen-Kozyra,		General	Is the a	There is around 18 different technologies	
2	Micheal Peltzner, Enerflex	Table 1.6	Technical	Would like to use dynamic emission factors versus static. CAPP Calculating Emissions, April 2003	Bluesource and Enerflex will discuss	

	Climate Change Central			mechanism to allow various technologies within this protocol?	that have been identified to date.	
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Instrument Gas-Instrument Air – Encana/UofC

#	Comment by	Clause/Section Number	Type of Comment (general, technical, editorial)	Comment or Justification for Proposed Wording Change	Proposed Wording Change	Alberta Environment Decision
1	Karen Haugen-Kozyra, Climate Change Central		General	Does the one month baseline capture the fluxes that may occur?	Response from Omar Hurtado: these operations are steady and there is a flexibility of an extended period for the baseline if needed in the protocol.	
2	Cedric MacLeod, MacLeod Agronomics Ltd,		General	How many units are in operation in Alberta?	Response from Omar Hurtado: there are approximately 29 in use that we know about and possibly thousands of others within Alberta.	
3	Lorraine Brown, Poyry Energy (Calgary)		General	Are there any other industries that use the same technology?	Response from Omar Hurtado: Only the oil and gas sector use this technology.	
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N20 Abatement – EPCOR/ClimateCHECK

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1	No Questions or comments for this protocol					

Energy Efficiency (Commercial) – Direct Energy/ClimateCHECK

#	Comment by	Clause/Section Number	Type of Comment (general, technical, editorial)	Comment or Justification for Proposed Wording Change	Proposed Wording Change	Alberta Environment Decision
1	Renee Lesveque, EPCOR		Technical	What standards are used for buildings built around 1970?	Response from Patrick Hardy: The code or standard selected must be the version current at the time of building design. If the time of design is unclear (may be difficult to clearly identify), it will be deemed to be no more than 3 years before the commissioning of the building. The code/standard selected for the purpose of determining the baseline of new facilities must be identified and justified. Publication date and version number must also be clearly identified.	
2	Cedric MacLeod, MacLeod Agronomics Ltd.		General	If you were to decrease the set temperature or decrease excessive lighting does this constitute an offset?	Response from Patrick Hardy: When parts of the projects involve change in operating procedures or replacement of failed equipment, the baseline energy use shall reflect the lowest energy usage level contained in the then prevalent laws, regulations, and legal obligations.	
3	Klaas Rodenburg, Stantec		General	How do you verify the model?	Response from Patrick Hardy: reliance on verifiers	
4	Klaas Rodenburg, Stantec		General	Is commissioning included in the protocol?	Response from Patrick Hardy: Considered in the SSRs but excluded from quantification .	
5	Karen Haugen-Kozyra, Climate Change Central		General	There should be a set reporting period. Inclusion of a prescriptive Monitoring Plan in the protocol including 'triggers' for verification and/or after Non-Routine Adjustments?	Response from Patrick Hardy: the time frame for verification is not prescriptive but if you report per season you should still achieve the same number/results. The AB system does not require a prescriptive reporting period therefore the protocol prescribes the same.	
6	Karen Haugen-Kozyra, Climate Change Central		General	Sign off requirements for project	Response from Patrick Hardy: energy efficiency experts could do this but don't know if experts in energy efficiency are	

7	Lisa Minotti, Environment Canada		General	Looking at system monitoring, the electronic component, how does it relate to the inverse relationships?	Response from Patrick Hardy: secondary effects are listed in the IPMVP.	
				development. Could there be a 1 st party validation? What professions can mitigate the risks?	certified/accredited? No other protocols/sectors require a validation step, this sector should not be different. Expert in Energy efficiency should be included on verification teams. Lisa Minotti: there is a certified energy mngt in the US and there is an accreditation process in Canada Consider a pre-validation step/process for this protocol.	

