

**QUANTIFICATION PROTOCOL FOR
WASTE HEAT RECOVERY PROJECTS:**

Technical and Policy Issue Summary

Submitted to:

Alberta Environment

and

Alberta Agriculture, Food and Rural Development

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Background

In conjunction with the development of the protocol document, a listing of key technical and policy issues were tracked for discussion as part of the technical and stakeholder review processes. The following document provides a listing of the key issues for discussion. Many of the issues have both a technical and policy component and are listed under both sections, as required.

Summary of Technical Issues

The following technical issues may be considered as part of the technical and stakeholder review processes:

- Will the ‘unit of production’ model be practical?
- Will this protocol build off of energy audits, or will the audits be cost prohibitive?
 - Are there reasonable work arounds?
- Are the project and baseline configurations sufficiently broad as to capture extent of energy efficiency projects?
- Are the project and baseline configurations too broad such that there is a risk of over-estimating the emission reductions achieved?
- Is the aggregation method for fuel use on-site practical?
- Are the calculations of equivalent heat load sufficiently precise?
- Are the emission factors for fuel extraction and processing sufficient?

Summary of Policy Issues

The following policy issues may be considered as part of the technical and stakeholder review processes:

- Will the ‘unit of production’ model be practical given the difficulties with the intensity targets?
- Does this protocol cover off the range of projects envisioned?
- Do we need to account for rebate programs and other funding options?
 - Does the green value stay with the consumer?
- Are the project and baseline configurations sufficiently broad as to capture extent of waste heat recovery projects?
- Are the project and baseline configurations too broad such that there is a risk of over-estimating the emission reductions achieved?
- Is it appropriate to capture the emission reductions from fuel extraction and processing given that this is an energy efficiency type project?