

Overarching Principle: Analyze the feasibility of using corn stover as a solid fuel for cogeneration in terms of energy, cost, logistical and legal considerations, and present a process for doing this.

1.) Law

Canon: The process will follow all laws concerning EPA guidelines and emissions standards.

Pressure: Collect as much stover as possible to increase revenue.

Risk: The EPA regulated minimum of 30% of collected stover will not be left in the soil to prevent erosion.

Pressure: Increase revenue buy using cheaper or less clean cogeneration processes.

Risk: A cheaper process will lead to increased exhaust and emissions beyond EPA standards.

Measure: Compliance with the canon will be evident from the absence of legal action concerning relevant EPA and emissions laws.

2.) Contract

Canon: Fair agreements will be made with farmers, contractors and employees for the purchase of their stover and/or labor.

Pressure: Pay as little as possible for the collection of stover to increase revenue.

Risk: Unfair deals may be entered with farmers who are unaware of the stover's true worth.

Pressure: Minimize expenses during stover collection.

Risk: Unqualified personnel may be hired/contracted for jobs that require a specific expertise.

Measure: Compliance with the canon will be measured by an absence of legal action or personal complaints citing the unfairness of contractual agreements.

3.) Professional Codes

Canons: Only warranted and truthful data will be presented to prove the process. All data will be properly cited and credit given where credit is due.

Pressure: Present whatever data will help sell the idea/process.

Pressure: Present the data of others for personal gain.

Risk: Select or fabricate data that will advance the project.

Measure: Compliance with this canon will be measured by an absence of legal action concerning copywriter or other relevant laws.

4.) Industry Standards

Canon: Quality control standards for equipment and processes will be maintained and followed.

Pressure: Meet deadlines by not following through on all expected standard.

Pressure: For contracted employees to be 'lazy' and not follow through on there expected tasks relating to QC of equipment and process.

Risk: Unsafe working environments may result from ignoring quality control issues.

Measure: Compliance will be indicated by a lack of safety incidents as well as random inspection of process equipment and proceedings.

5.) Community

Canon: A good working relationship will be maintained with the farming community.

Pressure: Expand business and industrialize the process.

Risk: Only the concrete numbers and data will be considered, and not the overall welfare and wellbeing of the community.

Risk: Local control over the proceedings of the company may be lost in a way that may upset the community.

Measure: Compliance with this canon will be measured by a lack of negative public discussion or complaints directed towards the company.

6.) Personal Relations

Canon: An atmosphere of cooperation and interdependence will be created through this process as means of contributing to the community and society.

Pressure: Members of the company or process will consider only personal gain and not others and the community.

Risk: The cooperative and interdependent nature of the process will be compromised.

Risk: The individual differences and contributions of participants will not be recognized.

Measure: Compliance with the canon will be indicated through internal surveys quantifying the level of cooperation.

7.) Moral Values

Canon: All participants on the operation of the process will be treated with respect and dignity and will not be required to do anything against their personal will.

Pressure: Create high expectations for all participants of the process to create a successful and competitive company.

Risk: Participants will feel pressure to complete their task or role and proceed in a manner they would otherwise not.

Pressure: Participants or employees will want to advance their own positions at the risk of others.

Measure: Internal surveys quantifying the level of happiness and content of participants will be utilized to measure compliance with the canon.