



Waste to Energy City Council Presentation

Certificate of Designation Process

DENVER ZOO

- Develop an Engineering Design and Operation Plan (EDOP)
 - The EDOP is the CD application
- EDOP includes summary of operation and waste disposal practices
- EDOP addresses effects on nearby surroundings and overall project health and safety aspects
- EDOP written to meet State Solid Waste Regulations (6 CCR-1007-2, part 1, Section 11)
- Hold Public Outreach meetings to support State and CCoD review

STATE

- Regulate waste disposal (under 6 CCR-1007-2)
- Provide technical review of EDOP meet regulations (6 CCR-1007-2, part 1, Section 11)
- Support process for local government review as part of Certificate of Designation

CCoD

- Revised municipal code (see section below)
- State recommendation for approval of EDOP (Appendix F of application)
- DEH recommendation for approval (Appendix F of application)
- A passed ordinance by City Council equals the issuance of the Certificate of Designation

Revised Municipal Code

City and County of Denver review plan for:

- Effects on nearby surroundings
- Convenience of the facility to potential users
- Ability to comply with State and CCoD environmental health regulations and rules
- Facility's fit with CCoD's comprehensive plan
- State and DEH recommendations for approval

Waste to Energy

City Council Presentation

Summary of CCoD review

| Revised Municipal Code | Outcomes |
|--|---|
| Effects on nearby surroundings | <p><u>Planned for no effects on nearby surroundings.</u></p> <p>The waste to energy system will be located within the existing waste management building of the Zoo’s Toyota Elephant Passage exhibit. Additionally, there will be visual screening, monitoring, managing waste streams and chemicals, training, O&M, response, and ongoing evaluation of the system.</p> |
| Convenience to potential users | <p><u>Very convenient.</u></p> <p>The Waste to energy system will take trash and animal waste from the Zoo, and urban forest residue from Denver Parks and Recreation.</p> |
| Comply with State and CCoD regulations and rules | <p><u>Yes.</u></p> <p>The Zoo obtained the State required permits for water and air quality, and will hire 1 to 2 full-time employees who will be responsible for ongoing maintenance, compliance monitoring, and safety. Also, DEH will conduct annual regulatory inspections, which are in addition to its ongoing environmental support to Zoo operations in general.</p> |
| Fits with CCoD’s comprehensive plan | <p><u>Yes.</u></p> <p>Denver Parks and Recreation determined that the waste to energy system at the Zoo serves a substantial purpose in supporting the operation of the Zoo.</p> |
| State and DEH recommendations for approval | <p><u>Yes.</u></p> <p>Both made recommendations for approval with conditions:</p> <p>CCoD -</p> <ul style="list-style-type: none"> Comply with rules and regulations Maintain financial assurance DEH reviews additional documents, as generated for the waste to energy system DEH is informed of potential modifications to the system <p>State –</p> <ul style="list-style-type: none"> Maintain financial assurance Incorporate CCoD comments |

