



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Denton Municipal Electric

CM/ DCM/ ACM: Todd Hileman

DATE: November 13, 2017

SUBJECT

Receive a report, hold a discussion, and give staff direction regarding the Denton Energy Center Air Permit Review being conducted by Black and Veatch Corporation.

BACKGROUND

On August 1, 2017, City Council received citizen reports that included questions regarding the validity of information filed in the Denton Energy Center (DEC) air permit. Based on this report, City Council Members requested information regarding the DEC air permit and emissions information. In order to address these questions and requests, staff engaged Black and Veatch, the firm serving as the City's owner's engineer, to add additional work into their scope.

The items requested included:

- Review and verify information submitted to TCEQ in the air permit for DEC.
- Review the DEC and Red Gate TCEQ and EPA submissions to analyze and present information regarding the differences in the air permit filings.
- Review the Wärtsilä submissions for the TCEQ permit.
- Review the emissions factors and the tons per year submitted in the DEC and Red Gate projects.
- Describe why the emissions factors are different in the DEC and Red Gate projects.
- Describe the operational characteristics of a reciprocating internal combustion engine (RICE) and how that can affect the emissions in both tons per year and pounds per hour.
- Describe the differences in the types of air permits (standard permit, permit by rule, and Title V permit).
- Describe the differences between a "minor" and "major" source.
- Examine options and perform an ambient air quality test to establish additional data on engine performance.

In addition to these items, Black and Veatch will oversee/perform the emissions testing at DEC as part of the original owner's engineer scope of work.

Representatives from Black and Veatch will present their report and findings to the Public Utilities Board on Monday, November 13 and to the City Council on Tuesday, November 14. A presentation is being finalized and will be forwarded to the board as soon as it is available.

FISCAL INFORMATION

This report was requested and approved as a change order to the original scope of work for the owner's engineer contract.

STRATEGIC PLAN RELATIONSHIP

The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

Related Key Focus Area: Public Infrastructure

Related Goal: 2.3 Promote superior utility services and City facilities

EXHIBITS

Exhibit 1 – Agenda Information Sheet

Exhibit 2 – Permit and Emissions Review Draft Report

Respectfully submitted:
Bryan Langley
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Prepared by:
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