



**October 12, 2020
CAC Meeting
DRAFT Meeting Notes**

Development Committee Report

- Information about the CAC was published in the Inver Grove Heights newsletter
- The committee is working on November Agenda
- New Member Applied. Committee members with interview him for 2020 – 2021.
- Volunteer Opportunities Survey – one person did not leave their name. Let Aimee know if you want to volunteer and have not been contacted.

Review of Meeting Notes from September and October Agenda

- Geoff Glasrud made had one change to the meeting notes. In process safety presentation - Change human performance improvement opportunity to technology opportunity. Aimee will make the change before posting the meeting notes to the CAC website.

Flint Hills Resource updates (Safety/Environment/Public)

- Process Safety
 - Good month, no events to report.
- Personal Safety
 - Two employees who got sick last month are back, nothing new to report this month.
 - We are getting ready winter, safety focus.
- Environmental Safety
 - Fifty-four minutes of flaring due to an electrical failure. We are still doing a root cause failure analysis; we will provide updates.
 - We were testing a voice alert system at FHR this last month and it is very loud. Near neighbors called about it, noise concerned them. We learned from that.

Public Outreach

- Not doing as much this year with the pandemic.
- Bluff work is continuing but we are not doing the large clean up gathering.

- We are working with the PCA and Environmental Initiative to take “Project CAR” (Clear Air Repair) statewide. People of low income can get help with drivability, safety and emissions control repairs for their cars.

6:45 Pollution Standards – how FHR measures up, impacts of changes in policy
-Dan Clocke, Chris Keorner, Anne Lee, FHR

Traditional Criteria Emissions

- There are three ambient air monitoring sites surround the refinery. FHR works with PCA to gather data. It is the PCA’s equipment. FHR owns and maintains the buildings.
- PCA maintains the data. You can view it on the MPCA website:
<https://www.pca.state.mn.us/air/air-monitoring-network-plan> . See also
<https://www.pca.state.mn.us/air/data-and-tools> .
- Recent projects, such as coke heater replacements and combined heat & power, are better for the environment and reduce costs.
- Flaring performance, looking at areas for improvement.
 - Electrical stability
 - Compressor reliability
 - Repurpose equipment for gas recovery
 - Technology to improve response capability – sensors troubleshoot, identify source of flaring
- Fugitive emissions are from things at our site which may leak over time – valves, seals, pumps, and places we join pipes together. It is a full-time job for people to look for leaks. We are in part of a cooperative research and development agreement to develop technology to help detect leaks sooner and at lower levels. FHR, Molex LLC (another Koch company) and EPA are partners.

Green House Gas Emissions

- We focus on energy efficiency - creating the fewest emissions per barrel.
- We are most efficient when we are fully running.
- We received energy star certification in 2019. 1 of 12 refineries achieving this status.
 - Based on 1st quartile energy efficiency compared to peers and being in good environmental standing with regulators.
- We continue to work on developing new capabilities
 - Considering solar

Refinery 101 - Jake Reint, FHR

- Overview of FHR and what we do (see <https://www.fhr.com/>)
 - Koch industries company, (<https://www.kochind.com/>)
- What we do
 - Fuels & aromatics (gasoline, jet fuel, diesel, materials for manufacturing carpet, tires and more).
 - Olefins & polymers (the chemical building blocks needed to manufacture appliances, automotive parts, furniture, athletic shoes, and many other consumer products).

- Biofuels & ingredients (Ethanol, biodiesel, inedible corn oil, and distillers' grains.
 - Ethanol plants
- Pipeline
- Asphalt (all Pine Bend)
- Battery tech
- Bioplastics
- Pine Bend Refinery
 - 65 years, continuity of ownership
 - Renamed Flint Hills Resources in 2002
 - Upper Midwest's leading producer of transportation fuels
 - #1 producer of asphalt in America
 - Largest purchaser of ethanol in the Upper Midwest
 - Virtually every drop of oil becomes a product
 - Pipeline system covers 537 miles in Minnesota and Wisconsin
 - Dedicated pipeline to MSP International Airport for jet fuel
- Retail price of gasoline
 - Commodity - taxes, distribution & marketing, refining and cost of oil impact the retail price
- Focus on safety
 - Full time fire department
 - Among the cleanest refineries in the US
 - Focus on human performance
- Impact on community
 - Economic development
 - Community involvement – Flint Hills Family Festival, Green Fleet, CAR Program
 - First responder training

Mosiatic Fertilizer – Geoff was looking into do they have any ammonium nitrate (explosion risk)?
 Answer is no.

Next Steps

- Ask for volunteers from the CAC for all opportunities. COMPLETED
- CAC will be included in mailing by City of Rosemount (Mike Cahn)
- Checking with Hastings about getting the CAC in a bi-weekly email (Kevin Green)
- Social media process – Heather sent structure to Mike Cahn, move forward
- Mass mailing - Heather
- Interview CAC applicant
- Start work on website updates
- November agenda
- FHR community report – include CAC
- Next meeting is November 9, 2020