

MEETING NOTES

PASADENA CITIZENS' ADVISORY COUNCIL

www.pasadenacac.org

Tuesday, October 25, 2022

Revive Church - The Center

The 294th meeting of the Pasadena Citizens' Advisory Council (PCAC) was held on Tuesday, October 25, 2022, at the Revive Church, 1062 Fairmont Parkway. The meeting notes from September 27, 2022, were approved without change. Facilitator Diane Sheridan reviewed the ground rules and agenda, which were accepted as proposed.

ATTENDEES *italicized*

PCAC Members

Andrew Aleman, City of Pasadena OEM
Jed Aplaca, City of Pasadena Parks and Rec.
Ruth Askine
Diane Barnes, CTHS
Raul Camarillo, Harris Co. Pct. 2
Emilio Carmona
Azell Carter, City of Pasadena OEM
Monica De La Portilla
Tammy De Los Santos, City of Pasadena Parks and Rec.
Albert Gonzales
Rick Guerrero, City of Pasadena Neighborhood Network
Mike Jackson
Chad Carson, Economic Alliance Houston Port Region
Luz Locke
Loretta McCarthy
Lupita Monreal, City of Pasadena Neighborhood Network
Ellis Orozco

Ernesto Paredes
Margie Pena
Brenda Pritchard, City of Pasadena Neighborhood Network
Dominick Rezza
Giovanna Searcy
Richard Sims
Sue Sims
Joe Valdivia
Christian Rocha for Christina Womack, Chamber of Commerce
Jack Womack

Support

Diane Sheridan, Facilitator
Tiffany Miller, Secretary

Observers or Resources

Jerry Caraviotis, HCPCS
John Collins
Matthew Giles, State Rep. Mary Ann Perez
Jennifer Hadayia, Air Alliance Houston

Maria DeRosario Martinez
Kenya Melendez, State Rep. Mary Ann Perez
Edward Rios
David Sanchez
Maria Sanchez
David Wade, HCOHSEM
Blake White, HCOHSEM
Steve Zach, Pasadena Public Library

CAC Plant Members

Afton Chemical, Maryam Shekari for Hari Sundaram
Air Products, Colton Schrettner for Brian Farhadi
Albemarle, Doug Thompson for Lisa Fruge
BASF, Abe Ahmed, Alice Johnson, John Igoe
Chevron Pasadena Refinery, Angela Fall for Matt Postage, Bill Stephens, Rebecca Froedge
Chevron Phillips, Michelle

Pritchard for Andy Woods, Ravi Kaggal
Enterprise Products, Karla Arriaga, Heather Makarczyk
Ethyl, Maryam Shekari for Antonio Salinas
Evonik, Juan Soto for Nathan Locklar
Gulf Coast Authority, Rachel Cunningham for Denise Ehrlich
INEOS Phenol, Ana Partin for Amy Narvaez
Intercontinental Terminals, _____
KM Export Terminal, Scott Eady for Mike Dugger
KM Liquids Terminal, Keith Cormier, Sanam Anwar
LyondellBasell Refinery, Clint Titzman, Roel Munoz
Next Wave Energy, _____
OxyChem, Lilliana Sarpong for Scott Halbrooks
Sekisui, Jenna Timtiman for Jeff Thompson

Annual Report of Air Emissions from PCAC Plants

Roel Munoz of LyondellBasell Houston Refinery presented the annual report on PCAC plant air emissions. (PCAC plants rotate serving as the presenter.) The annual report derives its data from two annual inventories: the Air Emissions Inventory (EI), which plants submit to the TCEQ, and the Toxics Release Inventory (TRI), which plants submit to the EPA. The presentation is posted on the Member page of www.pasadenacac.org. Highlights of the 2021 data on emissions follow on page 2. When asked about the significant drop in NOx from 1995 to 2010, Munoz stated that 2010 was the year that the stricter NOx requirements kicked in. The report compared NOx and VOC emissions at PCAC plants to those reported in the Air Emissions Inventory in Harris County and in Texas overall. For this comparison, data from 2020 are the most current. In 2020, 0.6% of the state's NOx emissions came from PCAC plants; and 8% of the county's NOx emissions did so. In 2020, 3% of the state's VOC emissions came from PCAC plants, and 16% of the county's VOC emissions inventory did so.

PASADENA CITIZENS' ADVISORY COUNCIL
HIGHLIGHTS OF 2021 DATA IN OCTOBER 2022 EMISSIONS REPORT

Full Emissions Inventory by Cause	Pounds in 2021	Compared to 2020
Routine Permitted Emissions	12,151,481	-6%
Maintenance Emissions	295,470	465%
Upset Emissions	301,722	241%
Emissions Inventory of Selected Criteria Air Pollutants	Pounds in 2021	Compared to 2020
NOx – nitrogen oxides	2,494,458	-5%
All VOCs – volatile organic compounds	5,300,213	8%
— Portion of pounds that are highly reactive (HRVOCs)	256,885	-1%
SOx – sulfur oxides	1,603,779	-32%
CO – carbon monoxide	2,502,127	10%
TSP – total suspended particulates	709,205	-10%
PM 2.5- TSPs less than 2.5 micrometers in diameter	627,502	2%
Toxics Release Inventory (TRI)		
Total releases to the air	731,147	1%
Portion from fugitive air sources	317,599	15%
Portion from point air sources	413,548	-8%
TRI total air releases from 1995 – 2021	4,732,013 in 1995	731,147 lbs. in 2021 down 85%
	In 2021	The year before...
Number of Pasadena CAC Plants *	18	18
Plants reporting TRI	12	14
Plants reporting air emissions inventory	15	17
Plants reporting Highly Reactive VOCs	9	9
<p><i>*PCAC has 18 plant members in October 2022. Next Wave Energy Partners is under construction so has no data to report. Ethyl did not submit data for the 10-22 report. PCI Nitrogen resigned in 2022.</i></p>		

Green = decreased from 2020 to 2021 - Red = increased from 2020 to 2021

Plant Show and Tell

The “Plant Show and Tell” features one picture that tells the story of what the plant does or where their products end up. The plants will be then spotlighted on the homepage of the CAC’s website. The September meeting featured Colton Schrettner presenting information about Air Products. The Air Products Pasadena plant makes hydrogen gas, a green source of fuel, that is shipped via pipeline from Pasadena to New Orleans.

UPDATES

PCAC Meeting Days for 2023: Sheridan shared that starting in January 2023, all meetings will be held on the 4th Tuesday of the month.

Houston Regional Monitoring: The 2021 Air Quality Trends report will be posted to the PCAC website. It covers data on ozone, particulate matter, highly reactive volatile organic compounds, benzene, and 1-3, butadiene from samples of outdoor air taken in 2021 and shows trends over a number of years and at specific air monitors.

2022 Pasadena Food Drive. This year, the food drive will be held on Thursday, Nov. 10th and a flyer was emailed to the group. Please contact Lorrie Jowell for further information about sponsorship opportunities or placement of Food Collection Boxes either by email Ljowell@pasadenatx.gov or by phone at (713) 475-7259.

FACILITY UPDATE SUMMARY

Acronym List on PCAC website

Plant representatives reviewed highlights of the written reports projected on the screen, and they responded to questions. The update summary was mailed to attendees before the meeting and mailed to all members the day afterward. Direct questions to Diane Sheridan facilitator, dbsfacilitator@gmail.com, 281-326-5253.

In a Nutshell:

- Updates were received from 18 of 18 plants
- **0** had reportable environmental incidents
- **0** had OSHA recordable injuries
- **18** had neither environmental nor safety incidents

18 plants had no environmental incidents:

- | | | |
|------------------------------|--------------------------------|-------------------------------|
| 1. Afton Chemicals | 8. Ethyl | 14. Kinder Morgan Liquids |
| 2. Air Products | 9. Evonik | Terminal |
| 3. Albemarle | 10. Gulf Coast Authority | 15. LyondellBasell Houston |
| 4. BASF | 11. INEOS Phenol | Refinery |
| 5. Chevron Pasadena Refinery | 12. Intercontinental Terminals | 16. Next Wave Energy Partners |
| 6. Chevron Phillips | 13. Kinder Morgan Export | 17. OxyChem |
| 7. Enterprise Products | Terminal | 18. Sekisui |

18 plants had no safety incidents:

- | | | |
|------------------------------|------------------------------------|-------------------------------------|
| 1. Afton Chemicals | 8. Ethyl | 15. LyondellBasell Houston Refinery |
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| 3. Albemarle | 10. Gulf Coast Authority | 17. OxyChem |
| 4. BASF | 11. INEOS Phenol | 18. Sekisui |
| 5. Chevron Pasadena Refinery | 12. Intercontinental Terminals | |
| 6. Chevron Phillips | 13. Kinder Morgan Export Terminal | |
| 7. Enterprise Products | 14. Kinder Morgan Liquids Terminal | |

FUTURE PCAC MEETINGS

Dinner available at 5:30 pm. Meetings are from 6:00 – 7:30 p.m. unless otherwise indicated.

Thursday, December 1, 2022 –Program Planning

- Attendees will brainstorm and prioritize meeting topics for the coming year.

Tuesday, January 24, 2023 –TBD

DATES FOR 2022

Tues. Jan. 25	Tues. May 24	Tues. Oct. 25
Tues. Feb. 22	No June or July meetings	Thurs. Dec. 1 (delayed due to Thanksgiving)
Thurs. Mar. 24	Thurs. Aug. 25	No December meeting
Tues. Apr. 26	Tues. Sept. 27	

DATES FOR 2023----- All 4th Tuesdays!

Tues. Jan. 24	Tues. May 23	Tues. Oct. 24
Tues. Feb. 28	No June or July meetings	Tues. Nov. 28
Tues. Mar. 28	Tues. Aug. 22	No December meeting
Tues. Apr. 25	Tues. Sept. 26	

Pasadena Citizens' Advisory Council Input on Annual Emission Report

October 25, 2022

Ask the plants at your table to share one of their emission reduction goals.

- Computer Systems
- Process Control Systems
- Everyone had great information
- Talked about reduction targets and methods to achieve
- Better plant maintenance in an effort to improve facility operations.
- Maintain boiler to keep boiler operations in proper order
- Reduce emission events
- Chevron Pasadena Refinery expects to reduce all permitted emissions via the Light Tight Oil Project

Anything you were happy to hear?

- Positive improvement from early 1990's emissions- dramatic reduction (mentioned twice)
- The dramatic drop of the last 20-25 years
- Some of the goals that they have planned to decrease and to eliminate
- Appreciated having a list of acronyms
- Some plants learned from Winter Storm Uri and established winterizing plans
- Some plants decentralized/distributed varied generator types (diesel, gas)
- Glad to see that Winter Storm Uri (an anomaly of weather) caused some increases versus plant caused issues.

Any concerns about what you heard?

- What is being done to address severe non-attainment status?
- Some elevated numbers, but understand the cause

What can we do to improve the report, itself, both materials and presentation?

- Add historical trend to number of plants per year
- Cause of emissions, consider slide after pie chart with major reasons for change
- On EI, TRI ratio slides, insert # of plants that year, at least 1995, 2005, 2010...
- Presentation needs to be brought down to level the community can understand and value.
- Comparison of numbers to events, etc. that might have had impact on those numbers
- Sound system was not as good so would need clearer system
- Shorter format is good and consolidated

Any input on anything else?

- How to improve maintenance in the facilities
- Surprised to learn Harris County has smaller percent (14%) of Total Texas reporting facilities than expected.
- Makes sense that Winter Storm Uri caused emissions