

# MEETING NOTES

## PASADENA CITIZENS' ADVISORY COUNCIL

[www.pasadenacac.org](http://www.pasadenacac.org)

Tuesday, November 28, 2023

Revive Church - The Center

The 303<sup>rd</sup> meeting of the Pasadena Citizens' Advisory Council (PCAC) was held on Tuesday, November 28, 2023, at the Revive Church, 1062 Fairmont Parkway. The meeting notes from October 24, 2023, were approved without change. Facilitator Diane Sheridan reviewed the ground rules and agenda, which were accepted without change.

### ATTENDEES *italicized*

#### **PCAC Members**

Andrew Aleman, City of Pasadena OEM  
Jed Aplaca, City of Pasadena Parks and Rec.  
*Ruth Askine*  
*Diane Barnes, CTHS*  
*Hal Burke, City of Pasadena Neighborhood Network*  
*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.*  
*Tish Eubanks, City of Pasadena*  
Albert Gonzales  
Rick Guerrero, Pasadena Economic Development Corp.  
*Mike Jackson*  
Luz Locke  
Loretta McCarthy  
Lupita Monreal, City of Pasadena  
Neighborhood Network  
Ellis Orozco  
Ernesto Paredes

Margie Pena, Baker Ripley  
Brenda Pritchard, City of Pasadena  
Neighborhood Network  
Dominick Rezza  
Christian Rocha, Chamber of Commerce  
Giovanna Searcy  
Richard Sims  
Sue Sims  
Joe Valdivia  
Cristina Womack, Chamber of Commerce  
Jack Womack

#### **Support**

*Diane Sheridan, Facilitator*  
*Emily Morris, Secretary*

#### **Observers or Resources**

*Chris Baecke, Harris Co. Pollution Control*  
*Bianca Carrizal, office of Rep. Mary Ann Perez*  
*Brett Conaway, Harris County OHSEM*  
*Ninfa Herrera*

*Shawn McNair, Crown Hill Cemetery*  
*Kenya Melendez, office of Rep. Mary Ann Perez*  
*Virginia Pate*  
*George Perrett*  
*Tracy Taylor, UHCL student*  
*David Wade, HCOHSEM*  
*Steve Zach, Pasadena Public Library*

#### **CAC Plant Members**

*Afton Chemical: Hari Sundaram, Maryam Shekari*  
*Air Products: Brian Farhadi*  
*Albemarle: Lisa Fruge rep by Doug Thompson, Alyssa Linares*  
*BASF: Abe Ahmed rep by John Igoe*  
*Chevron Pasadena Refinery, Tifanie Steele, Celina O'Connor, Joe Ebert, Jennifer Silva*  
*Chevron Phillips: Andy Woods*  
*Enterprise Products: Karla Arriaga rep by Heather Makarczyk*

*Ethyl: Hari Sundaram, Maryam Shekari*  
Evonik: Nathan Locklar  
*Gulf Coast Authority: Denise Ehrlich rep by Rachel Cunningham*  
*INEOS Phenol: Mike Meyer rep by Ana Partin*  
*Interccontinental Terminals Co.: Robert Surguy rep by Jesus Davila*  
*Kinder Morgan Pasadena Terminal: Robert Hammons, Scott Eady, Sanam Anwar, Christian Thomas*  
*KM Export Terminal: Mike Dugger rep by Scott Eady*  
*LyondellBasell Refinery: Clint Titzman rep by Lauren Gonzales, Roel Muñoz*  
*Next Wave Energy: Shane Presley, David Muscat*  
*OxyChem: Eric Delgado, Liliana Sarpong*  
*Sekisui: Jeff Thompson rep by Jenna Timtiman*

## Annual Report of Air Emissions from PCAC Plants

*Short Presentation posted on Members page of [www.pasadenacac.org](http://www.pasadenacac.org)*

Celina O'Connor of Chevron Pasadena 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. Highlights of the 2022 data on emissions follow on Page 2. Overall, emissions were down from the previous year, with a 10% decrease in total TCEQ Air Emissions Inventory (EI) and a 7% decrease in total EPA Toxics Release Inventory (TRI) releases to air, but there was a slight increase in NOx emissions. The effects of Winter Storm Uri are still being reflected in the data. Chevron's Pasadena Refinery showed the greatest emissions reductions in 2022 because of reduced fluidized catalytic cracking (FCC) unit and sulfur recovery unit (SRU) operating hours and reduced flaring. 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 2021 are the most current. In 2021, 0.6% of the state's NOx emissions came from PCAC plants; and 8% of the county's NOx emissions did so. In 2021, 3% of the state's VOC emissions came from PCAC plants, and 17% of the county's VOC emissions inventory did so.

**PASADENA CITIZENS' ADVISORY COUNCIL**  
**HIGHLIGHTS OF 2022 DATA in November 2023 EMISSIONS REPORT**

<b>Full Emissions Inventory by Cause</b>	<b>Pounds in 2022</b>	<b>Compared to 2021</b>
Routine Permitted Emissions	11,088,919	-9%
Maintenance Emissions	141,062	-52%
Upset Emissions	142,491	-53%
<b>Emissions Inventory of Selected Criteria Air Pollutants</b>	<b>Pounds in 2022</b>	<b>Compared to 2021</b>
NOx – nitrogen oxides	2,568,836	3%
All VOCs – volatile organic compounds	4,814,381	-9%
— Portion of pounds that are highly reactive (HRVOCs)	241,112	-6%
SOx – sulfur oxides	918,062	-43%
CO – carbon monoxide	2,393,229	-4%
TSP – total suspended particulates	668,932	-6%
PM 2.5 - TSPs less than 2.5 micrometers in diameter	583,964	-7%
<b>Toxics Release Inventory (TRI)</b>	<b>Pounds in 2022</b>	<b>Compared to 2021</b>
Total releases to the air	680,218	-7%
Portion from fugitive air sources	248,632	-22%
Portion from point air sources	431,586	4%
TRI total air releases from 1995 – 2022	4,732,013 in 1995	680,218 lbs. in 2022 -86%
	<b>In 2022</b>	<b>The year before...</b>
<b>Number of Pasadena CAC Plants *</b>	18	18
Plants reporting TRI	13	13
Plants reporting air emissions inventory	15	15
Plants reporting Highly Reactive VOCs	9	9
<p><i>*PCAC has 18 plant members in November 2023.            Next Wave Energy Partners is under construction so has no data to report.</i></p>		

Green = decreased from 2021 to 2022    -    Red = increased from 2021 to 2022

# HOST PLANT INTRO: Kinder Morgan Pasadena Terminal

A slide for Kinder Morgan Pasadena Terminal will be posted at [www.pasadenacac.org](http://www.pasadenacac.org)

Scott Eady, Kinder Morgan's EHS director, reported that the Pasadena Terminal is the largest terminal in Kinder Morgan's portfolio. The facility, located on the Houston Ship Channel, is a distribution center that stores refined products. Eady reported that Kinder Morgan recently completed a project to reduce emissions at the Galena Park and Pasadena Terminals. By replacing Vapor Combustion Units (VCU) with Vapor Recovery Units (VRU), this project is slated to reduce overall VOC emissions by about 35,000 metric tons per year. Eady also reported that Kinder Morgan donated \$50,000 to the Pasadena Education Foundation.

## ANNOUNCEMENTS

- **Albemarle:** Doug Thompson, environmental manager, reported that Albemarle will be changing its name to Ketjen on January 1, 2024. The facility will continue to provide the same products but under the new name.
- **TxDOT expansion:** Diane Sheridan gave a status update on the TxDOT 225/610East project, reporting that the public input has been compiled and the final report is due Dec. 31, 2023. The preferred alternative was elevated managed lanes. Sheridan said TxDOT thanked the CACs, Economic Alliance, and City of Houston's SuperNeighborhoods for their input, which included PCAC worksheets, surveys, and comment cards. Additionally, the 610 Bridge will be rebuilt and elevated. All 8 segments of 225/BW8 interchange have now been approved. SH225 from 610 to East Blvd. will be resurfaced in 2025. Sheridan said she expects that the CACs will be kept informed as planning and design begins.
- **Next Wave:** Shane Presley, plant manager for Next Wave, gave an update on the plant's new facility, reporting that construction is complete, and the start-up phase is underway. The plant is expected to be fully operational by the end of 2023.
- **Hazmobile Collection Event:** Raul Camarillo, Pasadena Community Liaison, announced that a hazardous-materials collection event was planned for Dec. 2, 2023, at the East Harris County Activity Center. The event was by appointment only.

## PLANT UPDATES

**Plant Update Summary** was mailed to attendees shortly before the meeting and mailed to all members the day afterward. Direct questions to Diane Sheridan facilitator, [dbsfacilitator@gmail.com](mailto:dbsfacilitator@gmail.com), 281-326-5253 or raise questions at the next meeting.

### In a Nutshell:

- Updates were received from 18 of 18 plants
- **0** had reportable environmental incidents
- **1** had 1 OSHA recordable injury
- **17** had neither environmental nor safety incidents

### 17 plants had no environmental incidents:

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

## 17 plants had no safety incidents:

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

## FUTURE PCAC MEETINGS

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

### No December meeting in 2023

**Jan. 23** – PCAC at Age 33 and How to Improve. Proposal from EHCMA to assist CACs with outreach.

**Feb. 27** – Drone Technology Uses in Industry – Security risks. Best/proper way to stop them from flying over area.

**Mar. 26** – Annual Report on Worker Safety. Data from plants due Feb. 9.

## DATES FOR 2024 ----- All 4<sup>th</sup> Tuesdays!

Unless otherwise noted, all are 4<sup>th</sup> Tuesdays. 5:30 dinner – 6:00 call to order – 7:30 adjourn

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Tues., Jan. 23

Tues., Feb. 27

Tues., Mar. 26

Tues., Apr. 23

Tues., May 28

No June or July meetings

Tues., Aug. 27

Tues., Sept. 24

Tues., Oct. 22

Tues., Dec. 3

No late December meeting

# Pasadena Citizens' Advisory Council Input on Annual Emission Report

November 28, 2023

## What makes a plant decide to invest in efforts to reduce its emissions? Provide an example from your plant.

- Reconfiguring/changing the available product to adjust to the market
- New rules and regulations (change in standards)
- Phasing out practices
- Turnaround at the site installing equipment to reduce emissions from pellets
- Regulations drive emission limitations
- Low NOx burners
- Steam loss focus to reduce waste heat
- VCU to VRU conversion
- Gov. relations – public and shareholder expectations
- Strategic initiatives, future products
- Meet regulatory requirement
- Loss of product
- Equipment replacement for better performance
- Social responsibility
- Secondary – cost savings
- Employee safety
- Good for environment and people (voluntary)
- Environmental stewardship (voluntary)
- Regulatory demand – meet change in regulations (involuntary)
- Workers in plants are in the community and don't want to hurt the community/environment

## Anything you were happy to hear?

- Reductions were positive to see!
- Decrease in emissions since 1995
- Chevron idled FCC and SRU
- Emission reductions
- Decreases in emissions are always good to hear
- Good to hear reduction
- Good to see long-term trends with significant decrease
- Reductions year over year
- All emissions but NOx are decreased, and NOx was a small increase
- Reductions overall

## Any concerns about what you heard?

- The # of plants in Harris County in comparison to Texas (271)
- The increase in NOx in the past year
- Albemarle increase in VOC and NOx
- Positive downward trend in emissions
- Are there overall reductions that can be reviewed versus product by product?
- An outlier was maintenance emissions. Maybe explain further. (**NOTE:** Maintenance needs increased after Winter Storm Uri and likely returned to more typical levels in 2022.)
- Not always an anticipation to see a decrease in the coming years
- No concerns – the CO chart was interesting with changes up and down throughout the years.

### **Any additional questions?**

- Do the state definitions of “plant” differ from the local/federal level? (**NOTE:** We will do some research for next year to learn more about the 271 facilities in Harris County that file Emissions Inventories and the definition question.)
- PCAC % of Harris County total TRI helpful to see
- Interesting to see Chevron Phillips on most slides as biggest change since 2021

**What can we do to improve the report itself, both materials and presentation?** Consider the orientation packet, highlights sheet, spreadsheet handout, and full presentation mailed before the meeting to members and others who RSVP'd, as well as the short presentation tonight.

- Explain more of the jargon (having copies of the acronyms from the packet available for reference). (**NOTE:** Will put a copy of the Orientation file on each table next year.)
- None – good presentation
- See a comparison of data against Harris County for the area – might show that member companies are performing better
- Good to keep the report consistent
- Good reporting
- No suggestions – done very well
- Liked having information beforehand

### **Any input on anything else?**

- Other examples of plant (nonmajor emitters)
- How accurate are the emissions reporting by the PCAC plants? That helps with bringing the overall #'s down.
- Include list of the top emitters/chemicals released in TRI data
- Good annual meeting
- Possibly it would be good to have a discussion about particulate matter
- Good information – wish it was publicized to the community more
- Could have a rep speak and report on emissions at schools or homeowners association
- Link to emissions report on CAC website from other city or community websites/FB pages
- How long has PCAC been meeting at Revive Church? Local high school would be a good meeting location – good exposure/ experience for students to see
- Why is the emission report done in November instead of March? Figures have to be verified, and there may be questions from regulatory agencies.