PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2026

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 18 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 27, 2026 – *Natural Disaster Planning in PCAC Plants* – Canceled because of freezing weather Saturday thru Monday prior to the meeting. The topic was moved to March 24, 2026, meeting.

TUESDAY, FEBRUARY 24, 2026 - *Road Projects & Regional Impacts*
Speakers from TxDOT, Harris County Pct. 2, and Harris County Toll Road Authority presented updates on current and planned construction projects. Moe Kuchak (TxDOT), Jamal Elahi (TxDOT), Mike Rudd (IC&E), Jorge Bustamante (HC Pct 2), and Leilany Thielen (HCTRA) reported. Other representatives included: Bob Sutton, Kelly Lark, and Christine Bergren, also from Infrastructure Consulting and Engineering (IC&E). The host plant was Kinder Morgan Export and Pasadena Terminals, and the meeting was held in the Log Cabin. *(Meeting #320)*

TUESDAY, March 24, 2026 – *Natural Disaster Planning in PCAC Plants*
A panel of representatives from Harris County, the City of Pasadena, and Pasadena industry participated in a panel discussion about Natural Disaster Planning. Panelists were David Wade, Operations Section Supervisor, HCOHSEM; Azell Carter, Emergency Management Coordinator for Pasadena OEM; Mark Staes, Operations Manager LyondellBasell Houston Refinery; Scott Eady, Environment Health and Safety Director for Kinder Morgan. PCAC Facilitator Emily Morris moderated. Johnathan Richards, a friend of Morris, assisted with taking notes and monitoring the presentation files. The host plant was Gulf Coast Authority, and the meeting was held at the Log Cabin. *(Meeting #321)*

TUESDAY, April 28, 2026 – *PCAC Tour of CPET at San Jacinto College*
Jim Griffin, Associate Vice Chancellor and Senior Vice President of the LyondellBasell Center for Petrochemical, Energy, & Technology at San Jacinto College, gave opening remarks about CPET and its background. Jeff Pearce, CPET Coordinator of Education and Workforce, and Jay Culver, Director of CPET Incumbent Workforce, also spoke. Following the introduction, PCAC attendees were broken into three groups and led on a tour by CPET leadership and students. Large turnout (50 to 60). The host plant was INEOS Phenol, and the meeting was held at the CPET facility and catered by Julia Bodine. *(Meeting #322)*

TUESDAY, May 26, 2026 – *PCAC Worker Safety Expo*

PCAC requested an expo-style worker safety event instead of just the annual report. The event highlighted efforts that PCAC facilities make to ensure worker safety. Participating facilities included Afton Chemical, Air Products, Albemarle, BASF, Chevron Phillips Chemical, Enterprise Products, Gulf Coast Authority, Kinder Morgan, LyondellBasell, and Sekisui, as well as the Harris Co. Sheriff's Office, which collaborated with Afton and Albemarle. Facilitator Emily Morris compiled the 2025 data and presented highlights in a 5-minute presentation as one of the 11 stations at the event. A committee of 8 (Hal Burke, Tish Eubanks, Anita and Jerry Jones, Shannon McNair, Shawn McNair, Emily Morris, and Christian Rocha) helped plan and execute the event. No host plant or plant updates for this meeting, which was held in Campbell Hall at the Pasadena Fairgrounds and catered by Julia Bodine. There were no environmental or worker safety incidents since the last plant update on April 27. *(Meeting #323)*

No meetings in June or July

TUESDAY, August 25, 2026 – *Pipeline Awareness*

The main topic, Pipeline Awareness, was presented by a panel of experts, and Facilitator Emily Morris moderated. The panel included:

- Martin Fontenot: West Gulf Coast Pipeline Operations Manager, Air Products
- J.W. Riley: North American Pipeline Compliance Manager, Air Products
- Marta Riendeau: Pipeline and Hazardous Materials Safety Administration (PHMSA), U.S. Department of Transportation
- Jay Prothro: Client Success Master, Sander Resources / Buxus app

Small-group discussion revealed that the community had many misconceptions about the pipelines in our area or didn't give them much thought. The meeting was held at the Log Cabin at the RYSS Stem Academy, Julia Bodine catered the meeting, and the host plant was Chevron Pasadena Refinery. *(Meeting #324)*

TUESDAY, September 22, 2026 – *Tour of U.S. Coast Guard Sector Houston-Galveston*

About 40 PCAC members and friends attended the PCAC tour of the U.S. Coast Guard Sector Houston-Galveston, 13411 Hillard St., Houston, TX 77034. Initially, there was to be an introductory presentation in the meeting room on the 2nd floor, followed by a tour of the Vessel Traffic Services (VTS) room, and the Command Center. However, because of the large size of the group, the tour of the Command Center was not an option. PCAC met in the Mess Hall on the 1st floor, and after a brief introduction, the group was divided into three groups, each taking turns visiting the VTS. Julia Bodine catered the meeting with box lunches. There was no host plant for the meeting to allow the maximum amount of time for the tour. *(Meeting #325)*

Tuesday, October 27, 2026 – *Channel Industries Mutual Aid (CIMA): Collaborative Emergency Response*

As a follow-up from the May Safety Expo, CIMA Business Coordinator, Joe Reynolds, CSP Ret., presented an in-depth look at CIMA since its inception in 1955. His 40+-slide presentation was posted on pasadenacac.org. The meeting was held at the Log Cabin and catered by Julia Bodine. OxyChem was the host plant. *(Meeting #326)*

Tuesday, December 1, 2026 – *Annual Report on Emissions from PCAC Plants*

(Meeting #327)

Activities for the Year 2025

TUESDAY, JANUARY 28, 2025 – *Workforce Development I: Overview and the PetroChem Works Tool*

Speaker Patti Bell, Workforce Development Program Manager at the Economic Alliance, Houston Port Region, spoke about how to assist young people in finding Petrochem jobs by using the PetroChem Works Tool. Danny Forest, Director of Data Analytics for Responsible Care at the American Chemistry Council (ACC), provided an overview of ACC's workforce development initiatives, which include early education and industry-specific programs that offer advanced training for mid- and upper-level management. Incoming Facilitator Emily Morris introduced the new reusable nametags and the QR code to assist with attendee check-in when people arrive after the meeting has begun because Morris does not have an assistant. The host plant was BASF, and the meeting was held in the Log Cabin. *(Meeting #312)*

Tuesday, February 25, 2025 – *Workforce Development II: Tour of PISD Dr. Kirk Lewis Career and Technical High School*

PCAC attendees met at Pasadena ISD's Dr. Kirk Lewis CTHS for a tour of the school and to hear from staff, faculty, and students about the programs the school offers. The CTHS touts a 100% graduation rate with programs that provide deeper understanding and a clear pathway to careers, regardless of students' post-graduate plans. Because of the tour, several regular features of a PCAC meeting were tabled: Host plant Air Products was not able to present, nor was there time for small-group discussion, plant updates, or community updates. Announcements were emailed to the entire PCAC mailing list a few days after the meeting. *(Meeting #313)*

Thursday, March 27, 2025 – *Annual Report on Worker Safety in PCAC Plants*

Jesus Davilla, Safety Specialist/VPP Coordinator with ITC, presented the CY 2024 Annual Report on Worker Safety in PCAC Plants. In the past, Facilitator Diane Sheridan presented the report. The report contained worker safety details about each plant plus summaries showing the totals for all plants and the trends. The March PCAC meeting was moved to Thursday to avoid a conflict with Pasadena Chamber of Commerce's Candidates' Forum, which expected a large turnout because there was not an incumbent for the mayor's race. The host plant was ITC, and the meeting was held in the Log Cabin of the RYSS Stem Academy. *(Meeting #314)*

Tuesday, April 22, 2025 – *Plant Security I: Overview of Security in Local Industry*

Two speakers presented information about plant and port security: **Buck Tadlock**, a PCAC member, EHS Specialist with NewMarket Corp. (Afton Chemical and Ethyl Corp.), and director of the Houston Ship Channel Security District (HSCSD); and **Lt. Steve Twitty**, Maritime Tactical Operations Section Lieutenant with Harris County Sheriff's Office. Both shared their unique expertise in keeping plants and the port safe. Twitty brought in a Remotely Operated Vehicle (ROV) to show the group. The host plant was Enterprise Products, and the meeting was held at the RYSS Stem Academy. *(Meeting #315)*

Tuesday, May 27, 2025 – *Plant Security II: Cybersecurity*

Former FBI cybercrime analyst James Morrison, Senior Director of Security Programs for Intelisys, spoke to the PCAC about common cybercrimes and how the community can safeguard against attacks. Plant security was not discussed. The host plant was Chevron Phillips Chemical, and the meeting was held at the RYSS Stem Academy. *(Meeting #316)*

Tuesday, August 26, 2025 – *Plant-Community Engagement*
Facilitator Emily Morris guided the group as plants explained how they engage with the Pasadena community, either through volunteering, donations, or serving on a board. Trey Ledbetter, chef instructor at Pasadena High School, explained his culinary program and how it could use assistance. Morris printed up two booklets, one with plant-community activities, and the other with a list of community organizations that need assistance and had a copy of each on each table as an example. Meeting attendees were able to submit information about additional organizations in Pasadena that need help, which was added to the booklets before being sent out. Key points and contact information were included in the booklets, which Morris sent to the entire PCAC mailing list instead of just the membership. The host plant was Evonik, and the meeting was held at the RYSS Stem Academy Log Cabin. *(Meeting #317)*

Tuesday, September 23, 2025 – *Program Planning for 2026-27*
A Program Planning process to choose topics for the next year began with group discussion generating 16 suggestions from PCAC community members, managers of the 18 PCAC plants, and visitors. They considered their own ideas, issues they heard about in the community and in the news, subjects PCAC has addressed over the past 5 years, other CACs' topics, and issues about which industry wants the community to be aware. Volunteers will serve on a Program Planning Committee to draft a Program Plan from this input. PCAC discussed 3 logo samples and voted on their choices. The winning logo is to be announced at the October meeting. The host plant was LyondellBasell, which took time to explain what was happening with the decommissioning of Houston's oldest refinery. The meeting was held at the RYSS Stem Academy Log Cabin. *(Meeting #318)*

Tuesday, October 28, 2025 – *meeting canceled due to lack of funds.*
The topic was moved to the next meeting.

Tuesday, December 2, 2025 – *Annual Report on Emissions from PCAC Plants*
The Annual Report on PCAC plant Air Emissions was presented by Liliana Sarpong, environmental engineer with OxyChem. Data were collected and compiled by Emily Morris. 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. Overall, there was a 4% decrease in total TCEQ Air Emissions Inventory (EI) and a 7% increase in total EPA Toxics Release Inventory (TRI) Releases to Air from 2023 to 2024. Morris showed the new PCAC logo and asked attendees to respond to inquiries about the PCAC Program Plan 2026-27 proposal. The program plan was adopted Dec. 17, 2025, and posted to the pasadenacac.org website on the Members page. PCAC met at the RYSS Stem Academy Log Cabin, 1062 Fairmont

Parkway. The host plants were Afton Chemical and Ethyl Corporation, sister facilities. *(Meeting #319)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2024

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TUESDAY, JANUARY 23, 2024 – *PCAC at AGE 33*: Longtime PCAC Facilitator Diane Sheridan led a session on the history of PCAC at Age 33 and How to Improve. The presentation also included the key ground rules. To evaluate PCAC, worksheets were used to ask plant and community members and other attendees what they liked and didn't like about the group and how they rated PCAC overall. They were also asked to suggest 10 things PCAC could do to increase membership and visibility, and how to get started doing so. Holly Kurth with East Harris County Manufacturers Association presented ideas about how to increase community membership at PCAC and the other 8 CAPs in the Houston area. She proposed that EHCMA assist PCAC in setting up a Facebook page. A simple poll indicated support for developing a specific proposal for doing this, which PCAC will use to decide whether to set up a PCAC Facebook page. Individuals used worksheets to provide additional information about what they liked about the idea, their concerns, and what else they needed to know before making a decision. The worksheet questions were discussed in small groups. The host plant was Gulf Coast Authority. *(Meeting #304)*

TUESDAY, FEBRUARY 27, 2024 – ***Drones and Their Use in Industry***: Two drone experts addressed meeting attendees about drones and how industry uses them in their operations. Dr. Marc Mokrech, a UH-Clear Lake research scientist, lecturer, and licensed drone pilot, shared details about drones in general and key aviation and operating regulations. Roy Martinez, a member of the Chevron Global Community of Practice for Uncrewed Aircraft Systems, supported Mokrech's presentation with specifics on how Chevron uses drones in its plants and in the field for safety and for better data, and explained how drones benefit the community and plant workers. Plant representatives and organizations also shared their companies' experiences with drone use. The host plant was INEOS Phenol. *(Meeting #305)*

TUESDAY, MARCH 26, 2024 – *2023 Annual Report on Worker Safety in PCAC Plants*: Facilitator Diane Sheridan presented the *Annual Report on Worker Safety in PCAC Plants*, which reflected 2023 data provided by the 18 PCAC plants. Sheridan began and ended the meeting reminding attendees that the worker safety report is a story about people and that the numbers reflected in the report help tell that story. PCAC plants logged about 14.9 million work hours, which represents an estimated 2,647 employees and 4,509 contractors. During the 14.9 million work hours, 18 OSHA recordable workplace injuries or illnesses occurred, which are 4 fewer injuries than in 2022. There were no fatalities in the 18 PCAC plants in 2023. The weighted average was 0.24, which means there was less than 1 injury per 100 workers in 2023. 7 of the 18 plants had a 0.00 recordable rate,

meaning no employee or contractor was injured or became ill at the workplace in 2023. The host plant was Chevron Pasadena Refinery. *(Meeting #306)*

TUESDAY, APRIL 23, *2024 – Tour of OxyChem's Central Emergency Operations Center*:
The PCAC toured OxyChem's Central Emergency Operations Center, which is housed at OxyChem's Deer Park PVC/KOH facility and serves the company's 5 Houston-area plants. Brandon Pearson, the safety and security manager for the OxyChem Pasadena PVC plant, led a presentation in the room where emergency operations are coordinated and explained how OxyChem responds to a significant industrial event. PCAC attendees ate dinner and listened to the presentation about emergency protocols before moving outside to view the facility's emergency vehicles used in such a response. OxyChem's Pasadena PVC plant was host to the meeting and tour. *(Meeting #307)*

TUESDAY, MAY 28, 2024 – *Meeting canceled:*
The PCAC meeting was canceled when a storm knocked out power to the meeting location just prior to meeting time. PCAC was scheduled to meet in the Log Cabin at the RYSS/Tejano Center (formerly Revive Church). May's topic, Program Planning and Membership, and host plant, Next Wave Energy Partners, were moved to the Aug. 27, 2024, meeting.

TUESDAY, AUG. 27, 2024 – *Program Planning and Membership:*
The PCAC met for the first time at RYSS STEM Academy since the Tejano Center purchased REVIVE! Church. Ramiro Fonseca, Tejano Center Director, Outreach and Engagement, addressed the PCAC, as did RYSS academy's Principal Yesenia Cervantes. A Program Planning process to choose topics for the next year began with group discussion generating 20 suggestions from PCAC community members, managers of the 18 PCAC plants, and visitors. They considered their own ideas, issues they hear about in the community and in the news, subjects PCAC has addressed over the past 5 years, other CACs' topics, and issues about which industry wants the community to be aware. Volunteers will serve on a Program Planning Committee to draft a Program Plan from this input. Plants reported 10 environmental events and 4 worker safety events. Diane Sheridan attributed the high number of incidents to the fact that plants were reporting for June, July, and August, instead of just one month. To carry out advice from brainstorming about membership previously, PCAC members will be asked to select new members from a list of active attendees and will focus on the Neighborhood Network and PISD for broad outreach to attract additional community members. PCAC voted overwhelmingly to support design of a logo similar to one Deer Park CAC recently commissioned. Host plant was Next Wave Energy Partners. *(Meeting #308)*

TUESDAY, SEPT. 24, 2024 – *Flaring 101: An Overview:*
Tim Weber, from Chevron's Technical Center, gave the PCAC a deeper understanding of flares and how these pollution-control safety systems are used in some PCAC plants. Weber's presentation was an overview of why flares are used, when they are used, how flares operate, and what happens in a flare. Facilitator Diane Sheridan announced that PCAC community and plant members, who were polled before the meeting, supported

inviting 5 new members to the PCAC. All 5 accepted the invitation. The 2025 Program Plan proposed by the Program Planning Committee, based on input from the August meeting, was adopted. Host plant was Ketjen. *(Meeting #309)*

TUESDAY, OCTOBER 22, 2024 – *Annual Report on Emissions from PCAC Plants:*
The Annual Report on PCAC plant Air Emissions was presented by Jenna Timtiman, environmental engineer with Sekisui. Data were collected and compiled by Diane Sheridan and Emily Morris. 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. Overall, there was a 2% increase in total TCEQ Air Emissions Inventory (EI) and a 3% decrease in total EPA Toxics Release Inventory (TRI) Releases to Air from 2022 to 2023. The data show the least pounds of TRI Releases to Air from PCAC plants ever. PCAC met at the RYSS Stem Academy Log Cabin, 1062 Fairmont Parkway. The host plant was Sekisui. *(Meeting #310)*

TUESDAY, DECEMBER 3, 2024 – *Celebrating Diane Sheridan's 34 Years as PCAC Facilitator*:
The focus of this meeting was to honor the 34 years of service that Diane Sheridan gave to the PCAC as facilitator and more than 45 years as a trailblazer in the field of community-industry dialogue. The normal agenda was suspended, and the meeting became an honors party with a string quartet, Sheridan's favorite meal (smoked brisket, sausage, beans, and potato salad) and cake, tables adorned with coordinated cloths and centerpieces, and a video with pictures of Sheridan and PCAC attendees throughout the past 34 years. Sheridan received accolades from state, county, and city elected officials, and several plant reps and community members. Sheridan retired from the PCAC on Dec. 31, 2024. The meeting was held at the Log Cabin and facilitated by Emily Morris, who assumes Sheridan's role in January 2025. The celebration was emceed by Dennis Winkler, of Winkler Public Relations, a longtime friend of Sheridan's. Host plant duties were suspended for this meeting. *(Meeting #311)*

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TUESDAY, JANUARY 24, 2023 – PCAC was scheduled for an in-person meeting that was changed to Zoom the prior afternoon when severe weather was forecast. The scheduled State of the Plants reports were postponed when a tornado struck the city on the afternoon of the meeting. Plants that were able to attend talked about any impacts from the tornado plus preparation, reactions, and recovery efforts. There was no host plant due to the change to Zoom and the agenda change. *(Meeting #296)*

TUESDAY, FEBRUARY 28, 2023 -- All 18 PCAC plants reported their 2022 achievements and their 2023 goals and plans. The meeting was held at Revive Church. The host plant was Enterprise Products. *(Meeting #297)*

TUESDAY, MARCH 28, 2023 – Prior to the Annual Report on Worker Safety in PCAC Plants, PCAC heard preliminary reports on a fire and explosion at the INEOS Phenol plant that occurred on March 23. Plant manager Amy Narvaez reported on the event and the communications challenges. Adding comments on communications were city emergency managers, county industrial liaisons, and a neighboring plant. *(Meeting #298)*

TUESDAY, APRIL 25, 2023 – PCAC met at the City of Pasadena's Frank Bengochea Emergency Operations Center (EOC). City of Pasadena Emergency Management Coordinator (EMC) Azell Carter, head of the city's Office of Emergency Management (OEM), provided an overview of emergency management in Pasadena, hosted a tour of the EOC, and also showed PCAC the city's new Dispatch Center. Laura Mireles, City of Pasadena Public Information Officer (PIO), described the city's communications resources and the departments using social media platforms. *(Meeting #299)*

TUESDAY, AUGUST 22, 2023 – PCAC was joined by the Galena Park-Jacinto City Community-Industry Partnership (GP-JC CIP) to participate in the TxDOT presentation about the SH 225 and I-610 East Planning and Environmental Linkages (PEL) Study, which detailed conceptual alternatives for expansion of SH 225 and I-610 East. Representing the project were Bambi Hall and Sue Theiss, from TxDOT; Kaylyn Atanacio, Wahida Wakil, and Roger Gonzalez from Entech; and Jerri Anderson from Community Awareness Services. Sue Theiss introduced the topic, and Roger Gonzales delivered the presentation. Attendees were given multiple opportunities to provide feedback and suggestions about the alternative expansion plans. *(Meeting #300)*

TUESDAY, SEPTEMBER 26, 2023 – PCAC met at Revive Church, 1062 Fairmont Parkway. PCAC plants participated in a round-robin presentation of the recycling efforts in which the plants participate or are planning to implement. Plants were asked not to repeat what another plant said but instead offer a new example during each round. This allowed community members to get a broad sense of what plants recycle. Plant activities include recycling and recovery related to the products the plant makes or handles, as well as recycling of materials in common use, such as paper, plastic, and cardboard. *(Meeting #300)*

TUESDAY, OCTOBER 24, 2023 – PCAC was introduced to Carbon Capture, Utilization, and Storage by Scott Castleman of the Houston Carbon Capture and Storage Alliance and Ramanan Krishnamoorti, Vice-President of Energy and Innovation and Professor of Petroleum Engineering at the University of Houston. PCAC met at Revive Church, 1062 Fairmont Parkway. The host plant was Kinder Morgan Export Products. *(Meeting #302)*

TUESDAY, NOVEMBER 28, 2023 – The Annual Report on PCAC Plant Air Emissions was presented by Celina O'Connor, environmental manager of Chevron Pasadena Refinery. Data were collected and compiled by Diane Sheridan and Emily Morris. 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. Overall emissions were down between 2021 and 2022, except for a slight increase in NOx emissions. PCAC met at Revive Church, 1062 Fairmont Parkway. The host plant was Kinder Morgan Pasadena Terminal. *(Meeting #303)*

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Activities for the Year 2022

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TUESDAY, JANUARY 25, 2022-- Derek Maytubby of LyondellBasell Refinery explained the typical timeline and steps for planning a major turnaround. Attendees described the impacts a turnaround may have on the community and shared ideas for how to keep the community and businesses informed about turnarounds. This meeting was held via Zoom video conference. Host Plant: None *(Meeting #287)*

TUESDAY, FEBRUARY 22, 2022 -- The *20th Annual Report on Worker Safety in Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan via Zoom. During break out room discussions, plants were asked to share during their best practices that address patterns or trends in injuries. Sheridan announced that PCI Nitrogen had decided to discontinue their participation in PCAC. Prospective Plant Next Wave Energy gave a brief introduction about the company and their plant site in Pasadena. Host Plant: None *(Meeting #288)*

THURSDAY, MARCH 24, 2022 – Flooding is a concern to residents and businesses because of risks to lives and property. Flooding is also a concern because flood waters flow to Galveston Bay and may affect its multiple uses. So PCAC launched a series of meetings on flooding with a look at the bay. (Our flooding speakers were not available this month.) Sasha Francis of the Galveston Bay Foundation shared the Galveston Bay Report Card to update us on a variety of factors that indicate the health of the bay. In person meeting. Host Plant: None *(Meeting #289)*

TUESDAY, APRIL 26, 2022 – As one of several meetings on flooding, this meeting focused on steps that plants take to prevent and control flooding on their plant site and what they can do to prevent their plant from causing flooding on public roads or nearby homes or businesses. In person meeting. Host Plant: OxyVinyls. After a two-year hiatus, the host plant introduction was changed to a "Plant Show and Tell" where one picture would tell the story of what the plant does or where their products end up. *(Meeting #290)*

TUESDAY, MAY 24, 2022 – The focus on flooding continued with presentations about flood control and prevention efforts in Pasadena. Rick Masters, City of Pasadena Storm Water Consultant, Public Works – Engineering, and Jeremy Ratcliff, Harris County Flood Control District Precinct Coordinator, Precinct 2, described projects underway and planned. Host Plant: Albemarle *(Meeting #291)*

THURSDAY, AUGUST 25, 2022 – Efforts to control storm surge were the focus of this meeting. Nicole Sunstrum, Executive Director of the Gulf Coast Protection District (GCPD), provided a comprehensive overview of the district and its work and a suggestion that we invite the Army Corps of Engineers to learn more about the content of the Coastal Texas Studies and the status of their approval and funding. GCPD was formed in 2021 by the Texas Legislature to be the non-federal sponsor of the Coastal Barrier. Host Plant: BASF *(Meeting #292)*

TUESDAY, SEPTEMBER 27, 2022 – Tim Sutherland, General Manager of Chevron Pasadena Refinery, briefed the PCAC on the site's new Light/Tight Oil project, which will allow the refinery to process crude from the Permian Basin. Sutherland also discussed the potential impact to the site's workforce and noted that emissions will decrease. Program Planning was moved to the November meeting, to allow for more discussion time regarding Chevron Pasadena Refinery's project and plant hurricane preparedness considering Hurricane Ian was close to making landfall in Florida. Host Plant: Sekisui *(Meeting #293)*

TUESDAY, OCTOBER 25, 2022 – The Annual Report on PCAC Plant Air Emissions was presented by Roel Munoz of LyondellBasell Houston Refinery. Data were collected and compiled by Tiffany Miller. 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. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handouts were provided to attendees. Host Plant: Air Products *(Meeting #294)*

THURSDAY, DECEMBER 1, 2022 – PCAC conducted a Program Planning session. After reviewing the group's mission and purposes, attendees talked about what's on their minds and those of others interested in or concerned about industry. As resources for more ideas, they reviewed lists of PCAC topics for the last 5 years, topics other CACs are addressing, and offers from others to speak to the group. Each small group suggested topics for the full group to consider, which the facilitator posted on flip charts. All attendees were then given sticky dots to indicate the topics they most want to cover in 2023. Community and plant reps used different color dots so that the community choices will drive what goes into the plan. Volunteers were sought for a Program Planning Committee that will develop this input into a proposed Program Plan that will be reviewed and adopted at an upcoming meeting. Host Plant: ITC. *(Meeting #295)*

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TUESDAY, JANUARY 26, 2021-- PCAC celebrated its 30th anniversary virtually with a Zoom video-conference meeting. Facilitator Diane Sheridan presented a brief overview of the PCAC and its mission. Several plants spoke about the value and the importance of community-industry dialogue. The CAC was invited to Toast good riddance to 2020 and a prize was awarded to the best toast. Host Plant: None *(Meeting #278)*

TUESDAY, FEBRUARY 23, 2021 -- The *19th Annual Report on Worker Safety in Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan via Zoom. Plants informally shared information on how they fared during the recent winter storm. Harris County Precinct Two Commissioner Adrian Garcia presented Sheridan with a Proclamation making February 23, 2021 Diane Sheridan Day in honor of her 30 years of facilitation work with PCAC. Host Plant: None *(Meeting #279)*

THURSDAY, MARCH 25, 2021 -- Matt Van Vleck, Harris County Pollution Control Services, provided information on the new Community Air Monitoring Program (CAMP). Rachel Glenn, Air Products Plant Manager, reported on the plant's follow up with a PCAC member and a visitor regarding noise that has bothered them for some time. After a meeting in February, both parties wanted to continue the dialogue and committed to meeting on a regular basis. Glenn said Air Products has researched and engaged a potential contractor to install sound barriers on the southern side of the facility as a good faith effort to help alleviate the concern. Jake Ezerski explained why he believes Air Products is the source of the noise and provided video of the sound. PCAC agreed that Zoom meetings may begin with sign in at 5:45 and call to order at 6:00 p.m. Host Plant: None *(Meeting #280)*

TUESDAY, APRIL 27, 2021 -- The topic was *CAC Plant Experiences in the 2021 Big Freeze*. CAC plants commented on their experiences, lessons learned, and what they will do differently to prepare for such weather in the future. First, plants raised their hands to answer yes or no questions like "Did you have a ride-out crew." Presentations were made by Matt Postage of Chevron Pasadena Refinery; Phyllis Frank of Gulf Coast Authority; and Jeff Thompson of Sekisui. Air Products' slide was shared on the screen though traffic prevented Ken Miller from arriving in time to present. Attendees then were placed in Breakout Rooms where all plants commented and answered questions. Host Plant: None *(Meeting #281)*

TUESDAY, MAY 25, 2021 -- As a prelude to program planning on Zoom, attendees were sent a memo before the meeting explaining the process to be used at the meeting and a list of postponed topics. Before going into breakout rooms, attendees were encouraged not only review the list of postponed topics, but also suggest topics that they had a desire to learn more about. A representative from each breakout room briefly described their group's top three topics. A Zoom poll was used to prioritize issues to cover in 2021-2022. Diane Sheridan notified members of the death of two members in recent months: Royce Measures and Charles Beckman. Host Plant: None *(Meeting #282)*

THURSDAY, AUGUST 26, 2021 -- PCAC added a report to the agenda on an August 15 odor event at the Lubrizol Deer Park plant that released a pungent odor that slowly traveled through multiple communities and was a nuisance to some and an irritant to others. Deer Park Lubrizol General Manager Sam Striegel described the event itself, the plant's notifications of responsible agencies and its communications with and for the community. Azell Carter, Emergency Management Coordinator for the City of Pasadena, explained the city's experience with the event, its decision not to call for a shelter in place, and how the city communicated with residents. Craig Hill and Dimetra Hamilton of Harris County Pollution Control Services talked about air sampling and where the public could track the results. PCAC facilitator Diane Sheridan summarized input from Deer Park and other communities that expressed frustrations learning what the odor was, its hazards, and steps to protect yourself and your family. To learn from this experience, community input will be shared with industry and government entities responsible for communicating with the public in an emergency. The meeting ended with the planned presentation on Channel Industry Mutual Aid (CIMA) presented by CIMA Chair Tod Jenkins. Host Plant: None *(Meeting #283)*

TUESDAY, SEPTEMBER 28, 2021 -- The CAC changed its original plans for the September meeting because the speaker on Effects of Pollution had a conflict and was rescheduled to December 2. As a prelude to the Annual Report on Emissions, each plant gave examples of what they have done or planning to do to control and reduce emissions. Attendees then were placed in Breakout Rooms where plants commented and answered questions. Host Plant: None *(Meeting #284)*

TUESDAY, OCTOBER 26, 2021 -- The Annual Report on PCAC Plant Air Emissions was presented by Scott Kolb of Afton Chemical. Data were collected and compiled by Tiffany Miller. 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. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handouts were provided to attendees. This meeting was held via Zoom video conference. Host Plant: None. *(Meeting #285)*

THURSDAY, DECEMBER 2, 2021 – Blythe Mansfield, MD, Chief Medical Officer for Unilever, NA, formerly of Kelsey Seybold Occupational Medicine, shared information about what air pollution is, kinds of exposure, and specifics about the EPA's criteria pollutants, benzene, and 1-3, butadiene. She also described environmental and occupational causes of health problems and EPA's proposed actions to advance environmental justice related to the topic. This meeting was held via Zoom video conference. Host Plant: None. *(Meeting #286)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2020

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 18 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 28, 2020-- *Industry Impacts on the Community: Jobs, Taxes, Community Relations Programs*. Chad Burke, Economic Alliance Houston Port Region, spoke about the impact of the region's petrochemical industry on the local, state and national economy. Dennis Winkler, East Harris County Manufacturers Association, described the employment picture for the petrochemical industry, specifically addressing the Pasadena region. Rick Guerrero, Pasadena Economic Development Corporation shared information on Industrial Districts Agreements. Facilitator Diane Sheridan shared information about Community Relations Programs presented at the September 2019 PCAC meeting. Host Plant: LyondellBasell Houston Refining *(Meeting #271)*

TUESDAY, FEBRUARY 25, 2020 -- The *18th Annual Report on Worker Safety in Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan. In a round robin, each plant discussed aspects of its safety program that has been effective. Host Plant: Chevron Pasadena Refinery *(Meeting #272)*

THURSDAY, MARCH 26, 2020 – The plans for this meeting (Technology to Improve the Safety of Transporting Plant Raw Materials and Products: What's New? What's Coming?) were cancelled due to the COVID-19 virus pandemic. Facilitator Diane Sheridan distributed the monthly Plant Updates to members.

TUESDAY, APRIL 28, 2020 – Michael Shirey, EHSS Manager for Oxy Vinyls, spoke about Chemical Industry Hurricane Preparedness. This meeting was held via Zoom video conference due to the COVID-19 pandemic. Host Plant: None *(Meeting #273)*

TUESDAY, MAY 26, 2020 – PCAC member plants answered several questions about their responses to COVID-19 and lessons learned to date. This meeting was held via Zoom video conference. Host Plant: None *(Meeting #274)*

THURSDAY, AUGUST 27, 2020 – The plans for this meeting (Technology to Improve the Safety Trucks Transporting Plant Raw Materials and Products: What's New? What's Coming?) were cancelled due to preparations for Hurricane Laura. Facilitator Diane Sheridan distributed the monthly Plant Updates to members.

TUESDAY, SEPTEMBER 22, 2020 – Frank Scheaffer of Heniff Transportation Systems spoke about Recent and Upcoming Technology to Improve the Safety of Truck Transportation of Plant Raw Materials and Products. Bill Shaw, representing the Houston

Business Roundtable, presented information about the initiative to improve worker safety during hydroblasting activities. This meeting was held via Zoom video conference. Host Plant: None *(Meeting #275)*

TUESDAY, OCTOBER 27, 2020 -- The Annual Report on PCAC Plant Air Emissions was presented by Ana Partin of INEOS Phenol. Data were collected and compiled by Tiffany Miller. 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. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handouts were provided to attendees. This meeting was held via Zoom video conference. Host Plant: None. *(Meeting #276)*

THURSDAY, DECEMBER 3, 2020 – Jeff Whitworth, Reliability and Integrity Manager for Shell Pipeline spoke about Innovations in the Safety of Pipeline Transportation of Hazardous Materials. This meeting was held via Zoom video conference. Host Plant: None. *(Meeting #277)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2019

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 18 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 22, 2019 Tyler Parker, Union Pacific (UP) Hazardous Materials Manager, gave a brief history of UP and discussed their emergency response process and capabilities for transporting hazardous chemicals by rail. Gary Piana, Plant Manager for Chevron Phillips, discussed the Alliance to End Plastic Waste, which CP Chem is a part of, that aims to develop and use solutions to minimize and manage plastic waste. Host Plant: Chevron Phillips Chemical *(Meeting #262)*

TUESDAY, FEBRUARY 26, 2019 -- The *17th Annual Report on Worker Safety in Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan. The meeting was cut short due to inclement weather. Host Plant: Evonik *(Meeting #263)*

TUESDAY, MARCH 5 2019 – *Consequences of Regulatory Changes on the Economy and the Environment* joint meeting hosted by LPCAC at the Houston Area Safety Council in Deer Park. The meeting was the second in a series of three meetings on broad economic issues affecting all CAP communities in the greater Houston Ship Channel area, organized by Facilitators Diane Sheridan and Mary Jane Naquin and Fred Welch of the Economic Alliance Houston Port Region. Speakers were: Michael Honeycutt, Ph.D., Chief of Texas Commission on Environmental Quality Toxicology Division and Chair of US Environmental Protection Agency Science Advisory Board; Elena Craft, Ph.D., Senior Scientist, Environmental Defense Fund; Craig Beskid, Executive Director, East Harris County Manufacturers Association.

THURSDAY, MARCH 28, 2019 -- PCAC members and guests met at Houston Area Safety Council in Deer Park for an overview by Christine Sandel, Vice President of Operations-Training. After the overview, attendees were taken on a tour of the facility where they visited various training rooms, the Workforce Development Center and the Occupational Health Center. No Host Plant due to tour. *(Meeting #264)*

TUESDAY, APRIL 23, 2019 -- PCAC members and guests were treated to an Emergency Response Equipment Display in the Church parking lot prior to the meeting. Keith Purvis and Chris Israel manned the Channel Industries Mutual Aid (CIMA) Command Unit. Gilberto Pequeno was with the LyondellBasell aerial pumper. The OxyVinyls ambulance was staffed by Justin Cox and Michael Shirey. Eugene Franco, Adam Aiken, Ronny Janczak and Travis Franzoy staffed the Harris County HazMat truck. Frank Bengochea, Pasadena Emergency Response Coordinator provided a refresher on the Community Warning Systems currently available for communicating with the public about a major industrial

event. Bengochea also described Pasadena's response and communications relating to the ITC Deer Park fire. No Host Plant. *(Meeting #265)*

TUESDAY, MAY 28, 2019 – The May meeting completed a series of four programs on workforce development that began in 2018. Speakers gave an overview of various area programs to attract the future industry workforce and described some internships and co-op programs. Dani Grant, a member of the East Harris County Manufacturers Association (EHCMA) Workforce Development Committee talked about programs that involve EHCMA member plants as well as San Jacinto, Lee, and Houston Community Colleges. Additional speakers were LyondellBasell's Bill Clyburn, LYB co-op Silvere Kengni, Garret Berg of Port Houston, Wendel Langley from BASF and Oxy Vinyls' Scott Halbrooks. Host Plant: INEOS Phenol *(Meeting #266)*

THURSDAY, AUGUST 22, 2019 -- As a prelude to program planning, attendees shared the industry-related issues on their minds or those of their family, friends, etc. They reviewed PCAC's mission and purposes. Attendees then brainstormed program topics for the coming year, building on these ideas, plans from other CAPs, and a review of previous PCAC topics from pages of its history. They prioritized the options using sticky dots to show the topics they most wanted to cover in the coming year. Host Plant: Afton/Ethyl. *(Meeting #267)*

TUESDAY, SEPTEMBER 24, 2019 -- Periodically, PCAC community members ask the plant members to share highlights of some of the work they do to improve the Pasadena community. Each plant provided information about their top community relations (CR) projects since January 2018; if they had a full time CR Manager; what type of budget the site had for CR activities; and the process by which projects are chosen. Host Plant: Kinder Morgan Liquids/KMET. *(Meeting #268)*

TUESDAY, OCTOBER 22, 2019 -- The Annual Report on PCAC Plant Air Emissions was presented by Heather Makarczyk of Enterprise Products. Data were collected and compiled by Tiffany Miller. 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. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handouts were provided to members. Host Plant: Gulf Coast Authority. *(Meeting #269)*

THURSDAY, DECEMBER 5, 2019-- PCAC members and guests met at San Jacinto College's Center for Petrochemical, Energy, and Technology for a tour. Allatia Harris from San Jacinto College facilitated in arranging the tour. Jeff Pearce, Tom Stang and Joseph Zwiercan, all from CPET, served as tour guides. The group had previously toured the old building in January 2015. No Host Plant due to tour. *(Meeting #270)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2018

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 18 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 23, 2018 Phil Glen, President of the Clean Channel Association, spoke to the PCAC regarding Emergency Response and Communications Associated with a Large Ship Fire at Plant Dock. He provided information on the role his organization plays in responding to ship fires. Joe Leonard and Pat Cooney, retired Coast Guard, shared stories regarding various ship fires and incidents that they had been involved with. Pete Greco, Manager of Emergency and Security Services at LyondellBasell Houston Refinery was unable to speak at this meeting but will provide a plant perspective at the March 2018 meeting. *(Meeting #253)*

TUESDAY, FEBRUARY 27, 2018 -- The *16th Annual Report on Worker Safety in Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan. An update was provided on the San Jacinto College Center for Petrochem, Energy and Technology (CPET) from Vice Chancellor Allatia Harris, Provost Van Wigginton, and Randy Boeding of CPET. *(Meeting #254)*

THURSDAY, MARCH 22, 2018-- Jacque Darbonne of Harris County Pct. 2 spoke about the history of the Washburn Tunnel and its operations. Ronald Sommers, Chief of Emergency Services at Pasadena Refining, explained how emergency response communications are handled. Pete Greco, LyondellBasell Refinery Manager of Security and Emergency Services, provided a plant perspective on the January topic (how emergency response and communications work if there is a large fire at a ship while it is at a plant dock). *(Meeting #255)*

WEDNESDAY, APRIL 25, 2018—Joint meeting with BAYCAP. Dr. Sam Mannan, Director of the Mary Kay O'Connor Process Safety Center at Texas A&M University in College Station, spoke about his *Ranking of Chemical Facilities Based on the Potential to Cause Harm to the Public (PCHP)*. The *Houston Chronicle* has used this information in a periodic series of articles on chemical risk. *(Meeting #256)*

TUESDAY, MAY 22, 2018 -- As a prelude to program planning, attendees shared the industry-related issues on their minds or those of their family, friends, etc. They reviewed PCAC's mission and purposes. Attendees then brainstormed program topics for the coming year, building on these ideas, plans from other CAPs, and a review of previous PCAC topics from pages of its history. They prioritized the options using sticky dots to show the topics they most wanted to cover in the coming year. To increase input from PCAC community members, the input from the meeting was sent to them with the opportunity to spend sticky dots to indicate their priorities. *(Meeting #257*)

THURSDAY, AUGUST 23, 2018 -- Matt Kainer of Harris County Toll Road Authority described the expansion and replacement plans for the Beltway 8 Bridge. Paula Torrado Plazas, Community Outreach Coordinator for Air Alliance Houston (AAH), discussed the results of the Pasadena Project. The Pasadena project included conducting door to door community surveys, holding community meetings, performing community air monitoring, and advocating for an anti-idling ordinance. Several PCAC members were involved in the work. *(Meeting #258*)

TUESDAY, SEPTEMBER 25, 2018 -- Peter Beard of the Greater Houston Partnership gave a presentation of facts about workforce needs. Mark Staes, the Training Manager at the LyondellBasell Houston Refinery, described some of the innovations used in training new hires and existing employees. *(Meeting #259*)

TUESDAY, OCTOBER 23, 2018 -- The Annual Report on PCAC Plant Emissions was presented by Jeff Nickl of Chevron Phillips. Data were collected and compiled by Tiffany Miller. 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. Brad Flowers of Houston Regional Monitoring summarized recent air quality trends, covering ozone, particulate matter, and air toxics. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handout were provided to members. *(Meeting #260)*

THURSDAY, NOVEMBER 29, 2018-- PCAC members and guests met at Pasadena Independent School District's Dr. Kirk Lewis Career and Technical High School (CTHS) for an overview by Diane Barnes, Career and Community Coordinator. After the overview, attendees were taken on a tour of the facility where they heard from both teachers and students. The group visited Welding, Robotics, Construction, Maritime, Culinary Arts, HVAC/Electrical, and Automotive Repair. The group had previously toured CTHS in March 2015. *(Meeting #261)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2017

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 24, 2017 – PCAC's main topic was an Overview of Environmental Permitting for Industry, presented by Kashif Malik, an Environmental Supervisor at ChevronPhillips. He provided basic information about air, wastewater, and stormwater permits. Information was also provided about public participation opportunities in the permitting process and how to make a complaint. PCAC also scheduled an update from the Air Alliance Houston to learn about a multi-year project they are conducting in north Pasadena. Executive Director Adrian Shelley said the project includes community mapping, monitoring, and a community survey in a project area north of Hwy. 225 between Richey St. and Red Bluff Rd. Two new plants joined PCAC. The Kinder Morgan Export Terminal has been built on the former AES Deepwater site. The new plant being built at Air Products is part of a division recently sold to Evonik. *(Meeting #245)*

TUESDAY, FEBRUARY 28, 2017 -- The *15th Annual Report on Worker Safety in Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan *(Meeting #246)*

THURSDAY, MARCH 23, 2017 – PCAC traveled by bus to Houston TranStar for a tour of the Harris County Office of Homeland Security and Emergency Management at the invitation of Harris County Industrial Liaison David Wade. Misty Gunn, Manager of the county's Emergency Operations Center, described the office and its work. Wade talked about his role as Industrial Liaison. Gunn then showed members the EOC, described its staffing, and showed some of its capabilities. *(Meeting #247)*

TUESDAY, APRIL 25, 2017 -- The scheduled topic was postponed due to death in the speaker's family. Having completed a periodic series of meetings on emergency management and communications, PCAC reviewed what was learned, including how to prepare to receive emergency communications. As a follow-up to previous meetings on workforce development, PCAC was introduced to a new EHCMA website: www.PetrochemWorks.com. Attendees used their devices and pretended they were looking for a plant job in order to learn how the website works so they can tell others who are job searching. *(Meeting #248)*

TUESDAY, MAY 23, 2017 -- Garret Berg, Assistant Manager for Community Relations and Events at Port Houston's Port of Houston Authority, provided an overview of the Port of Houston that included port organization, history, and the importance of the Houston economy and the port's role in that economy. He updated members on the Panama Canal expansion and the increased business it is bringing the Houston area. He described

improvements at the Barbours Cut and Bayport container terminals, the kinds of cargo the port handles, and the port's certifications in ISO 28000 Security Standards and ISO 14001 Environmental Standards. He ended with a review of the port's environmental and community outreach efforts. *(Meeting #249)*

TUESDAY, SEPTEMBER 26, 2017 -- PCAC visited the new San Jacinto College Maritime Academy on Galveston Bay in Shoreacres. John Stauffer, Associate Vice Chancellor Maritime Technology & Training Center, described how future mariners as well as incumbent mariners are trained before giving members a tour of the facility. The tour included demonstrations of the simulators for large ships and for smaller towboats or fire boats, navigation systems, and engineering. Those interested could practice their skills on the simulators. PCAC canceled its August meeting due to Hurricane Harvey. The September meeting started early plants and the city and county reporting on their Harvey experiences lessons learned. Tiffany Miller began working with facilitator Diane Sheridan, performing some of the routine tasks associated with facilitating PCAC. *(Meeting #250)*

TUESDAY, OCTOBER 24, 2017 -- Scott Jones of Galveston Bay Foundation (GBF) gave a brief history of the San Jacinto River Waste Pits, including a chemistry lesson on dioxins and why/how the pits were placed on the Superfund National Priorities List. He described the impacts Hurricane Harvey had on the site and EPA's decision after that to call for full removal of the former paper-mill waste storage pits. *(Meeting #251)*

THURSDAY, NOVEMBER 30, 2017 -- The Annual Report on PCAC Plant Emissions was presented by David Lima of Albemarle. Data were collected and compiled by Anne Gowan. 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. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handout were provided to members. *(Meeting #252)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2016

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 26, 2016 – PCAC celebrated its 25th anniversary with a banquet at the Monument Inn on Independence Parkway. Community and plant members and special guests, many accompanied by spouse or guest, enjoyed a reception at 6:00 p.m., dinner at 7:00 p.m., introductions over an anniversary cake, a short program, and door prizes. Mike Gilbert of Chevron Phillips, Chair of the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group, thanked community and plant members for their commitment to dialogue. Most plants in PCAC are part of the outreach group. He also thanked facilitator Diane Sheridan for her services, which date back to the formation of the group. Sheridan acknowledged the service of several of the longest serving participants. There was no business meeting. Plant updates were mailed to members after the meeting. *(Meeting #236)*

TUESDAY, FEBRUARY 23, 2016 -- The *14th Annual Report on Worker Safety in the 18 Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan. Data from 18 member plants showed approximately 6900 employees and contractors sustained a total of 34 workplace injuries or illnesses during 14.3 million hours of work in 2015. *(Meeting #237)*

THURSDAY, MARCH 24, 2016 -- PCAC members and the most frequent visitors as well as several San Jacinto College Process Technology students took part in a meeting and tour focused on the communications with the community that occur if a plant has a significant industrial event. The meeting was hosted by the Oxy Vinyls Pasadena plant but held at the Oxy Vinyls Battleground Plant. Plant manager Paul Thomas and Assistant Plant Manager Carl Bronold welcomed the participants. After dinner and an overview of the topic provided by Oxy Vinyls' Health, Safety, and Security Manager Michael Shirey, attendees were bused to the Oxy Vinyls Deer Park plant to tour Emergency Operations Center that serves the 5 local Oxy Vinyls plants. *(Meeting #238)*

TUESDAY, APRIL 26, 2016 -- Members, frequent guests, and some San Jacinto College Process Technology students gathered at the City of Pasadena Emergency Operations Center (EOC) for dinner, a presentation, and a tour of the EOC. Walter Gant, City of Pasadena Emergency Management Coordinator (EMC) and Deputy Senior EMC Frank Bengochea welcomed PCAC to the City of Pasadena Office of Emergency Management and its EOC. The meeting was the second in a two-part series on what happens in significant plant events. In March, PCAC visited the OxyVinyls EOC to learn what happens

in a plant and how they communicate with responsible agencies in affected cities and the county. The April meeting explained what happens after the city receives such a notification. LyondellBasell reported on its April 8 fire and Pasadena Refining System Inc. on its March 5 fire. Otherwise, plants were asked not to attend in order to have space for community members. *(Meeting #239)*

TUESDAY, MAY 24, 2016 -- Justin Cox of Oxy Vinyls talked about the work of ChemTrec, a nationwide resource for emergency responders when there are accidents involving hazardous materials or dangerous goods. Cox also described the US Department of Transportation Emergency Response Guidebook (ERG), showing members the kind of information available, including diagrams of trucks and rail cars designed to safely carry different kinds of cargo. David Wade, Harris County Industrial Liaison, obtained copies of the ERG for community members. In small groups, plants were asked to describe some of the other safeguards related to safety, environment, and security for trucks carrying hazardous materials. *(Meeting #240)*

THURSDAY, AUGUST 25, 2016 -- Program Planning began with "I've Got Something on My Mind," followed by a discussion by plants and community of "What I Wish Community Members Knew about Plants." Attendees then brainstormed program topics for the coming year, building on these ideas, plans from other CAPs, and a review of previous PCAC topics from pages of its history. They prioritized the options using sticky dots. A Program Planning Committee made up of Ruth Askine, Luz Locke, and Peter Zollers of Air Products will use the input to draft a Program Plan for the coming year or so. It will be brought to an upcoming meeting for member review and adoption. Adalberto Tamez of City of Pasadena Emergency Services presented an update on the city's Municipal Separate Storm Sewer System (MS4) program and its National Flood Insurance Program Community Rating System (CRS). Both require public education about stormwater management and flood prevention. *(Meeting #241)*

TUESDAY, SEPTEMBER 27, 2016 -- After the Bhopal, India deadly toxic release in 1984, Congress added a Title III when they passed the 1986 Superfund Amendments and Reauthorization Act (SARA). SARA Title III is the Emergency Planning and Community Right-to-Know Act (EPCRA). It brought communities 4 programs to make them aware of chemicals releases and chemical inventories and set up a system by which communities must plan for chemical emergencies. PCAC is familiar with some of the 4 programs but less so with others. The meeting opened with a chance for members to describe the plant sights and smells that confuse or concern them. John Smith, Training Superintendent at Chevron Phillips, showed photos of commonly seen plant equipment and gave a brief explanation of what the equipment does; e.g. flares, cooling towers, etc. To learn what the Southeast Regional Local Emergency Planning Committee (SERLEPC) does, PCAC heard from City of Pasadena Walter Gant Emergency Management Coordinator, and his Senior Deputy, Frank Bengochea.. The emergency management coordinators also described Tier II chemical inventories, who has access to them, and how they are used in emergency response and planning. Pete Greco of LyondellBasell Houston Refinery described the EPCRA notification requirements and the system of

reportable quantities on which they are based. PCAC "monthly" plant updates put releases into perspective by comparing the amount released to its reportable quantity, if there is one. The fourth EPCRA program, the Toxics Release Inventory (TRI), was not described at this meeting because it is discussed during the fall's Annual Report on PCAC Plant Emissions, part of which is based on the TRI. In small group discussion, plants commented on chemicals they make or handle that fall under these notification requirements. *(Meeting #242)*

TUESDAY, OCTOBER 25, 2016 -- The Annual Report on PCAC Plant Emissions was presented by John Igoe of BASF. Data were collected and compiled by Anne Gowan. 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. After the meeting, highlights were posted on the Home Page of the PCAC website, and the slides and other meeting handout were posted on the Member page. *(Meeting #243)*

THURSDAY, DECEMBER 1, 2016 – FBI Computer Scientist James Morrison, a member of the FBI's Houston Cyber Task Force, talked about cyber security risks and what the FBI does to address them. He also made suggestions for cyber safety for both individuals and business. *(Meeting #244)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2015

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 27, 2015 – PCAC member Kenneth Jackson, Professor of Process Technology at San Jacinto College, presented an overview of the "P-Tech" program and a demonstration of a computer lesson on a training simulator that teaches troubleshooting skills. Jackson and about 20 of his students then gave Pasadena Citizens' Advisory Council community and plant members a tour of the labs where they train future plant operators. *(Meeting #228)*

TUESDAY, FEBRUARY 24, 2015 – The *13th Annual Report on Worker Safety in the 17 Pasadena Citizens' Advisory Council (PCAC) Plants* was presented by facilitator Diane Sheridan. Data from 17 member plants showed approximately 6500 employees and contractors sustained a total of 19 workplace injuries or illnesses during 13.6 million hours of work in 2014, the best performance since at least 2000, the first year for which PCAC collected OSHA data from plants. Jim Kourpas of Air Products and noise analyst Bill Tillar of URS reported on noise analysis conducted in response to noise complaints first raised in 2013 by a PCAC member and a visitor. Though both men remain concerned about hearing damage they believe comes from the Air Products plant, the survey showed only a small difference in decibels when the facility is operating vs. not operating. Measurements were in compliance with the city noise ordinance. Air Products does not plan any further action. *(Meeting #229)*

THURSDAY, MARCH 26, 2015 – PCAC members and guests met at Pasadena Independent School District's new Career and Technical High School (CTHS) for an overview by Principal Steve Fleming and a tour conducted by Fleming, Diane Barnes, and Amy Whalen. The evening began with dinner prepared by the Culinary Arts students under the direction of Hotel and Hospitality Director Tina Dvorak. All of the food had been cooked that day and was served by 9th – 11th grade students. To say that PCAC members and guests were impressed is an understatement. Their views were perhaps best expressed by a member who said, "I was born too soon." *(Meeting #230)*

TUESDAY, APRIL 28, 2015 -- In preparation for brainstorming and prioritizing program topics and activities for the coming 12 months, PCAC members and visitors worked in small groups to share what was on their minds, and the things either community or plant members wish the community knew about plants. They then noted some of the topics they wanted to raise during the brainstorming exercise. Groups then called out topics to be listed on flip charts and received sticky dots to spend on those they most want to cover in the coming year. Seventeen multi-faceted topics were suggested. There are 9 PCAC meetings a year, so a Program Plan will be developed for those topics that were of

of the most interest to community members. While visitors and plant representatives also participate in Program Planning, it is the PCAC community members' requests that drive what ends up on agendas. *(Meeting #231)*

TUESDAY, MAY 26, 2015 – When rain was expected after days of rain and flooding, the meeting was canceled in an abundance of caution. Plant updates were mailed to members.

THURSDAY, AUGUST 27, 2015 – Capt. Bill Diehl, US Coast Guard (retired), President of the Greater Houston Port Bureau and former Captain of the Port of Houston, described the work of the Houston Ship Channel Security District, its role in security, its achievements, and its plans. Lewis Brown of Enterprise Products, a member of the HSCSD board, was also on hand. *(Meeting #232)*

TUESDAY, SEPTEMBER 22, 2015 – PCAC members and guests met at the US Coast Guard Station at Ellington Field to tour the new facility and learn more about the mission of the Coast Guard and the ways they interact with industry. Capt. Rob McLellan served as tour guide and presenter. The group visited the Command Center and Vessel Traffic Service. *(Meeting #233)*

TUESDAY, OCTOBER 27, 2015 – The Annual Report on PCAC Plant Emissions was presented by Tammy Grover of Air Products. Data were collected and compiled by Anne Gowan. Members received Highlights, spreadsheets with data, and the presentation after the meeting. Attendees completed forms evaluating PCAC effectiveness, an activity undertaken every 3 years. Anne Gowan facilitated in the absence of PCAC Facilitator Diane Sheridan. *(Meeting #234)*

THURSDAY, DECEMBER 3, 2015 -- Kirk Higbie of the Port Terminal Railroad Association (PTRA), which moves rail cars from plants to the rail yard of a major railroad to be made into trains, talked about PTRA and its work, and the safeguards in place from the time a railcar is loaded in a plant until it reaches the customer. The speaker also covered safeguards related to safety, environment, and security and addressed the concern that those who gain access to a train to paint graffiti on it make community members worry that someone could gain access to do greater harm. He also talked about rail car design as a safeguard, and new or anticipated regulations designed to improve railcar safety. *(Meeting #235)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2014

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 28, 2014 – *Meeting cancelled the day before due to forecast of freezing rain at meeting time.*

TUESDAY, FEBRUARY 25, 2014 -- – The 12th Annual Report on Worker Safety in the 17 PCAC plants was presented by facilitator Diane Sheridan. The report covered OSHA recordable injury and illness data for PCAC plant employees and contractors. In 2013, there were the least number of OSHA recordables and the lowest weighted average ever. Lynn Irvine of Chevron Phillips spoke on behalf of the East Harris County Manufacturers Association (EHCMA) Community Relations Committee, announcing improvements to the Community Awareness and Emergency Response (CAER) Line., including a website. Chevron Phillips served as host plant, presenting a safety moment on the need to have a strategy for exiting the room you are in if there is an emergency, like a fire. *(Meeting #220)*

THURSDAY, MARCH 27, 2014 -- The first of 3 meetings on workforce development was a panel discussion featuring East Harris County Manufacturers Association (EHCMA) and Pasadena ISD. EHCMA speakers talked not just about engineering jobs but about all the kinds of jobs plants have, including operating technicians, maintenance crafts, logistics, administrative work, etc. Human Resources Managers Roy Watson of Chevron Phillips and Dani Grant of Noltex, representing the East Harris County Manufacturers Association Workforce Development Committee, described the kind of jobs available in local industry, the qualifications required, and other factors young people need to know to get a job in a plant. They commented on how local industry encourages women to work in industry and supports science, technology, engineering, and math (STEM) education and Energy Ventures camp. They explained how to find out which plants or companies offer scholarships. Todd Monette, EHCMA Chair, added his comments also, explaining how cheap natural gas from shale gas development is creating many jobs in the chemical industry. Steve Fleming , principal of the PISD Career and Technical High School under construction on Beltway 8, described how it will help develop the kind of workforce industry needs. *(Meeting #221)*

TUESDAY, APRIL 22, 2014 – Matt Cesarz of Equistar Pipeline provided basic information about Pipelines and Salt Domes. Axiall served as the host plant. *(Meeting #222)*

TUESDAY, MAY 27, 2014 – Frank Bengochea, Pasadena Assistant Emergency Management Coordinator, described the e-Notify system by which plants notify responsible agencies in affected cities and the county about significant events that may

affect the public. He described Pasadena's community warning systems and how they are publicized and showed photos of the Alertus beacon used in public buildings. He included information about the Pasadena ISD warning systems in his presentation. Facilitator Diane Sheridan reminded members of the changes made to the CAER Line in early 2014, including establishment of a website carrying the same messages as the one reached by calling 281-476-2237. *(Meeting #223)*

THURSDAY, AUGUST 27, 2014 – In one of its periodic meetings addressing health impacts from environmental exposure, PCAC obtained data from the Texas Department of State Health Services' Department of Vital Statistics comparing reasons for death in the 5 main Pasadena zip codes to the state as a whole. Erin Selvera, Texas Commission on Environmental Quality Air Pollutant Watch List Coordinator, described how the agency uses air monitoring data and emissions data to protect public health. She also described TCEQ's Air Pollutant Watch List (APWL) program and reported on the status of the APWL site for benzene in Galena Park, which is the only local APWL site. PCAC plants describe briefly their routine medical surveillance programs. None reported any patterns in work-related illness at their plant, though some watch for patterns. None reported monitoring retiree health nor knew of any mortality studies of their employees. Luz Locke, City of Pasadena Environmental Services, briefed members on stormwater protection and flood mitigation and preparedness. She and two staff members brought the stormwater and floodplain models to illustrate how things work. Houston Process Processing served as the host plant. *(Meeting #224)*

THURSDAY, SEPTEMBER 25, 2014 -- PCAC members and guests toured the Houston Ship Channel on the *MV Sam Houston*, hosted by the Port of Houston Authority and with a focus on security. Representatives from the US Coast Guard and Harris County Office of Homeland Security and Emergency Management answered questions about security from individuals. Also on board was Anja Borski of the Galveston Bay Foundation, who briefly described a report card on Galveston Bay that GBF will be developing. She then took advantage of one on one conversations to solicit PCAC community and plant input on what should be included in the report. *(Meeting #225)*

TUESDAY, OCTOBER 28, 2014 -- Sgt. Gary White, Supervisor of the Pasadena Police Department's DOT/Commercial Vehicle Enforcement (CVE) program, briefly described the truck safety inspection program and commented on increased truck traffic in Pasadena associated with industry expansions and Panama Canal expansion. Plants were asked to list any expansions underway or planned. Kinder Morgan served as the host plant. *(Meeting #226)*

TUESDAY, DECEMBER 4, 2014 – The Annual Report on PCAC Plants' Air Emissions was presented by Steve Pierce of Rentech Nitrogen with data submitted by all PCAC plants that file a TCEQ Air Emissions Inventory or the EPA Toxics Release Inventory. LyondellBasell Houston Refinery served as host plant. *(Meeting #227)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2013

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TUESDAY, JANUARY 22, 2013 – PCAC looked at stormwater management as a way to protect water quality. Tyrone Barren of Oxy Vinyls described industry requirements and programs to manage their stormwater. Luz Locke and Bianca Locke of City of Pasadena Emergency Services described the city's award-winning plan to make the public aware and take steps to reduce flooding. Joe Resendez, a city inspector, assisted. The city brought two models used in their public education programs to help members understand stormwater flow and related issues. Sekisui served as host plant. *(Meeting #211)*

TUESDAY, FEBRUARY 26, 2013 – The 11th Annual Report on Worker Safety in the 17 PCAC Plants was presented by facilitator Diane Sheridan. Air Products reported on follow-up to noise complaints raised at the last meeting by a member and a visitor. Results of last fall's self-evaluation showed PCAC with an overall score of 4.7 out of 5.0. Members were notified of a way to register cell and Internet phone numbers to be sure they receive emergency messages from the City of Pasadena. The facilitator reviewed the way PCAC is funded. Members consented to a request from the EHCMA Pasadena Outreach Group to allow them to change the name on the checking account from PCAC to EHCMA Pasadena Outreach Group. (Though PCAC's name has been on the account, the money has always been managed by the outreach group plants.) AES served as host plant, presenting a safety moment on electricity in the home. *(Meeting #212)*

TUESDAY, MARCH 26, 2013 -- Former Harris County Judge Robert Eckels spoke as president of the Gulf Coast Community Protection and Recovery District to update us on their role in efforts to suppress the effects of hurricane surge. Jim Blackburn, co-director of the Severe Storm Prediction, Education, and Evacuation from Disasters (SSPEED) Center at Rice University, updated us on their proposals for dealing with hurricane surge, including dikes and gates across the Ship Channel at the Fred Hartman Bridge and "soft" changes like a national recreation area and eco-farming along the coast in Harris and nearby Coastal counties. *(Meeting #213)*

TUESDAY, APRIL 23, 2013 -- Pete Greco, Manager Emergency and Security Services at the LyondellBasell Houston Refinery, described to PCAC, as step-by-step as possible, what a plant does when a significant event occurs. The requested focus was on communications with the community, not on environmental reports to TCEQ. Greco showed us what e-Notify looks like and how plants use this computerized system to notify responsible agencies whose residents may be affected. Robert Hemminger, City of Pasadena Emergency Management Coordinator, then explained what the city's dispatch

center does when they receive an e-Notify notice. Attendees were reminded how Pasadena would notify residents and businesses if they needed to shelter in place. In small groups, attendees talked about the step-by-step response in a plant. Plants showed members checklists they use to help them through the response. Diane Sheridan notified members of the death of two members in recent months: Nona Phillips and Mandy Fagan. *(Meeting #214)*

TUESDAY, MAY 28, 2013 -- LTJG Tom Matthews of the US Coast Guard talked about the kind of threats for which the Coast Guard prepares and the measures they have in place to help prevent and respond to a terrorist attack on the Houston Ship Channel. Matthews also commented about security risks from the Panama Canal expansion. *(Meeting #215)*

THURSDAY, AUGUST 22, 2013 -- Bill Diehl, Executive Director of the Greater Houston Port Bureau and former Captain of the Port described how the Panama Canal works, the reasons for its expansion, and the impacts on shipping and the economy of having larger ships passing through the canal. *(Meeting #216)*

TUESDAY, SEPTEMBER 24, 2013 – Attendees shared industry-related issues that are on their minds or the minds of their family, friends, coworkers, etc. They then identified topics they would like to see addressed in PCAC agendas for the coming year. BASF was the host plant, presenting a safety moment on lawnmower safety. *(Meeting #217)*

TUESDAY, OCTOBER 22, 2013 – The Annual Report on Emissions was presented by Deanna Strain of Oxy Vinyls with data prepared by Jason Jin of AES Deepwater before his plant was mothballed indefinitely and thus no longer will be a PCAC member. Due to a last-minute illness, there was no host plant. *(Meeting #218)*

THURSDAY, DECEMBER 5, 2013 – Steve Smith of LyondellBasell, Chair of the Houston Regional Monitoring Technical Committee, updated members on air quality trends for ozone and hazardous air pollutants, comparing them to air quality standards or the TCEQ Air Monitoring Comparison Values. He also gave members information about particulate matter standards, how they might be changing, and how that might affect the Houston area's attainment of a new standard. PCAC asked for the background because we will be adding this pollutant to the annual report on plant air emissions next year. Enterprise Products served as the host plant, presenting a safety moment on static electricity while refueling vehicles. The group agreed with a recommendation from Deer Park CAC on how to respond to an EPA invitation to both groups to submit an abstract to present information at a national Toxics Release Inventory conference. The groups will ask to be invited to the next conference so there is time to develop a proposal with a more regional approach that includes Sheridan presenting on behalf of her six east Harris County CACs and a presentation by Houston Regional Monitoring. *(Meeting #219)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2012

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TUESDAY, JANUARY 24, 2012 -- An increase of pharmaceuticals going into wastewater and the growing use of nanotechnology are resulting in their presence in the raw water downstream after it is treated to become drinking water for cities and pure process water for plants. Currently the lack of water quality standards addressing these contaminants is being debated. Latrice Babin, PhD, the Environmental Toxin & Special Project Mgr. at Harris Co. Pollution Control Services Dept., presented on the topic of Emerging Water and Wastewater Issues. Plants submitted information about treatment of their own wastewater and where they obtain raw water for their processes. Georgia Gulf was the host plant, choosing road rage as their Safety Moment. Community member Ruth Askine and Chevron Phillips plant manager Mitch Krutilek, Chair of the Pasadena Outreach Group of EHCMA, facilitated in the absence of facilitator Diane Sheridan, who had a family emergency. *(Meeting #202)*

TUESDAY, FEBRUARY 28, 2012 – The 10th Annual PCAC Worker Safety Report was presented by facilitator Diane Sheridan. Performance was the best ever with a weighted average of 0.56, a simple average of 0.71, a median of 0.00, and the fewest lost-time injuries (11). Nine plants had no OSHA recordables last year for their employees and the contractors on whom they report. Members agreed to a Membership and Visibility Committee suggestion to establish a PCAC website. The group began the Program Planning process by reviewing mission and purposes, PCAC history, and what other CAPs are doing. It will continue next meeting. *(Meeting #203)*

THURSDAY, MARCH 22, 2012 -- PCAC plants and other PCAC participants with security responsibilities talked informally about the changes that have been made since 9-11, their own responsibilities, the security committees on which they serve, and changes that may be coming. In addition to hearing from plant representatives, members listened to Pasadena Assistant Police Chief Mike Jackson and Emergency Manager Coordinator Robert Hemminger, Harris County Industrial Liaison David Wade of the Office of Homeland Security and Emergency Management, and Harris County Pct. 2 Commission Morman's Senior Director Gail Miller. Attendees continued the Program Planning process by adding issues to the list generated last month and prioritizing topics to show those they wish to cover in the next 12 months. *(Meeting #204)*

TUESDAY, APRIL 24, 2012 -- With a longterm interest in water quality related to its member plants, PCAC invited Gulf Coast Waste Disposal Authority (GCA) to describe industrial wastewater treatment. GCA treats the majority of the wastewater from PCAC plants at its Washburn Tunnel facility. Leonard Levine, Technical Director, made the

presentation. Kinder Morgan serves as the host plant. Members adopted a Program Plan for 2012-2013. *(Meeting #205)*

TUESDAY, MAY 22, 2012 -- PCAC members and their guests, several plant managers, and students from the San Jacinto College process technology program gathered at First United Methodist Church and traveled by bus to Houston TranStar. Hosted by Harris County Industrial Liaison David Wade, the group was addressed by Mark Sloan, Harris County Homeland Security and Emergency Coordinator. They then toured the Emergency Operations Center to see the capabilities at TranStar in an emergency. There was no host plant or safety moment due to the tour. *(Meeting #206)*

THURSDAY, AUGUST 23, 2012 -- FBI Cyber Squad member Enrique (Eric) DeCarlos spoke about cybersecurity risks and some steps individuals and businesses can take to help prevent intrusion of hackers into their computers and computer devices. In a round robin discussion, each PCAC plant listed one step it has taken to increase the plant's cyber security. *(Meeting #207)*

TUESDAY, SEPTEMBER 25, 2012 -- Steve Smith of LyondellBasell, Chair of the Houston Regional Monitoring (HRM) Technical Advisory Committee, provided basic information about air monitoring before sharing air quality data and trends. He showed pictures of air monitors and described what they sample for. He showed video of emissions seen by infrared cameras. Smith presented monitoring data and showed regional air quality trends for ozone and for hazardous air pollutants, including data from monitors in or near Pasadena. Lynn Irvine of Chevron Phillips, a member of the East Harris County Manufacturers Association Community Relations Committee, described changes coming to the CAER Line in early December, including a new number that will handle more callers, a website, a simplification of the Odor Network system, and a new name. PCAC members adopted revisions to the PCAC groundrules related to the new PCAC website. *(Meeting #208)*

TUESDAY, OCTOBER 23, 2012 -- Bob Berger of Sekisui Specialty Chemicals collected, compiled and presented the annual report on Emissions. Margie Pena of the Neighborhood Center and Dominick Rezza, a Pasadena firefighter and San Jacinto College Process Technology graduate, were added as members. Oxy Vinyls served as host plant and did a safety moment on hazard blindness. *(Meeting #209)*

THURSDAY, NOVEMBER 29, 2012 -- Tara Capobianco, Technical Specialist in the Air Permits Division of the Texas Commission on Environmental Quality (TCEQ) and coordinator of the Air Pollutant Watch List, explained what TCEQ does with the emissions data plants report annually and the air monitoring data TCEQ and others collect. She also shared the recently released "Health Effects Review of 2011 Ambient Air Network Monitoring Data in TCEQ Region 12, Houston," which shows the area below levels of concern in 2011. Heather Reddick, a toxicologist at TCEQ, attended with Capobianco.

As a followup to last month's annual plant emissions report, Bruce Tylock of Kinder Morgan explained the Leak Detection and Repair (LDAR) program that plants use to look for and fix fugitive leaks from pumps, valves, and flanges. Reggie Cameron, a contractor at Kinder Morgan who conducts LDAR monitoring, demonstrated a leak detector with the help of a middle school student whose science fair project is about LDAR. Pasadena Refining was the host plant and safety moment presenter. *(Meeting @210)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2011

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TUESDAY, JANUARY 25, 2011 -- PCAC celebrated its 20th anniversary with a special event at the San Jacinto Monument. Guests included members, former members, current plant members, former plant leaders, visitors who attend regularly, current and former logistics coordinators, charter members, steering committee members, and the facilitator. Those invited could bring spouse or guest, and many did. Attendees were able to view the movie *Texas Forever!!,* take the elevator to the observation deck to see the Houston Ship Channel at night, and look at the museum exhibits during a reception prior to the banquet. Mitch Krutilek, Chair of the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group, made brief remarks thanking community and plant members for their service and commitment to dialogue between community and industry. The facilitator prepared a history of PCAC for the occasion. *(Meeting #193)*

TUESDAY, FEBRUARY 22, 2011 -- The annual report on worker safety was presented by the facilitator. The 0.63 weighted average was the best rate PCAC plants have achieved since the first year that data was reported (2002). The simple average of 0.75 was the best since 2000. Air Products was the host plant and presented the Safety Moment. Members agreed to form a committee to review the groundrules this spring. *(Meeting #194)*

THURSDAY, MARCH 24, 2011 -- PCAC members and several guests and plant managers traveled by bus to the Port of Houston Authority Executive Building for an overview of port operations and a tour of the Turning Basin wharves and Command Center. POHA's Michelle Hundley, Community Relations, arranged the tour. Port Commissioner Steve Phelps of Pasadena described the port's operations and evolution as well as some road projects the port helps support. Angus Hanes, Assistant Terminal Manager, served as tour guide for the bus tour of the Turning Basin. Deputy Police Chief Andrew Farmer and Officer Michael Berger conducted the tour of the Port Command Center and the Mobile Command Center. Bob Berger of Sekisui reported on the company's Japanese facilities and personnel. Time did not permit verbal summaries of the written facility updates. *(Meeting #195)*

THURSDAY, APRIL 26, 2011 -- PCAC addressed Houston Ship Channel/Galveston Bay water quality issues by inviting Houston-Galveston Area Council to speak. Todd Running, Water Resources Program Manager, talked about H-GAC's Clean Rivers program. Rachel Powers, Senior Environmental Planner, discussed Clean Water Act Total Maximum Daily Load programs for bacteria, dissolved oxygen, dioxins and PCBs. Plants were asked if they might be affected by action plans to attain water quality standards. Albemarle was the

host plant. Plant manager Michael Brown introduced his plant and did a Safety Moment. EHCMA Chair Jim Griffin briefed PCAC on the plant association's outreach to the staff of major environmental organizations. Members reviewed groundrules revisions proposed by the Groundrules Committee after the every-three-years review. Groundrules were readopted with the changes. *(Meeting #196)*

TUESDAY, MAY 24, 2011 -- PCAC invited two companies that took part in the response to the April 2010 BP Deepwater Horizon oil spill in the Gulf of Mexico to describe their work and offer some lessons learned that might help plants in any kind of major incident. Speaking were Dr. Phil Goad of the Center for Toxicology and Environmental Health and Bob Gresser of Media Consultants. BASF was the host plant and did a safety moment on use of ladders. Robert Hemminger, City of Pasadena Emergency Management Coordinator and Vice-Chair of the Southeast Regional Local Emergency Planning Committee (SERLEPC), announced that Pasadena now has an emergency radio station and has joined with La Porte and Deer Park to link their stations wirelessly and install new equipment that will allow transmission to a much broader area. Members volunteered to work in PCAC/BAYCAP booth at the SERLEPC Safety Fair on June 4. *(Meeting #197)*

THURSDAY, AUGUST 25, 2011 -- Joe Reynolds of Chevron Phillips provided an overview of several security-related programs: the Maritime Transportation Safety Act (MTSA), Maritime Security levels, and the Chemical Facility Anti-Terrorist Standards (CFATS). He provided details on the Transportation Worker Identification Credential (TWIC) card provisions of MTSA. Chevron Phillips served as the host plant. Stan Zisman presented the safety moment and the plant overview. Added as members were Dave Askine, Jarrell and Marie Burke, Eugene and Tommie Lee, Jo Ann Stringer, and City of Pasadena Environmental Services Department, represented by Luz Locke. (Meeting #198)

TUESDAY, SEPTEMBER 27, 2011 – PCAC met at the US Coast Guard station in Galena Park and toured Vessel Traffic Service. The host was LTJG Keric Allen, Petty Officer Coleman guided small groups on the VTS tour. While one group toured, others discussed plant updates with the plant representatives at their tables and shared the industry-related topics on their minds and those of other community members. (Meeting #199)

TUESDAY, OCTOBER 25, 2011 – Returning to its usual meeting spot at First United Methodist Church, PCAC heard the annual report on plant emissions from Faheem Kazimi of Pasadena Refining. (The report compiler and presenter now rotates each year.) Diane Sheridan introduced members to the two inventories from which the data were drawn: the TCEQ air emissions inventory and the EPA Toxics Release Inventory. Enterprise Products was the host plant, presenting the Safety Moment on "Call 811 before you dig." *(Meeting #200)*

THURSDAY, DECEMBER 1, 2011 -- Three representatives from the Texas Commission on Environmental Quality (TCEQ) presented findings of a study commissioned by the agency which produced some unexpected findings with implications for plants with certain types of flares and flare appearance to nearby communities. The speakers were David Brymer,

Director of the Air Quality Division and Danielle Nesvacil and Russ Nettles, TCEQ Emissions Assessment Section. Serving as resources were Environmental Defense Fund's Elena Craft and Shell's Steve Hansen, representing East Harris County Air Partners (EHCAP). Ethyl was the host plant, choosing holiday safety as the theme of its Safety Moment. *(Meeting #201)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2010

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TUESDAY, JANUARY 26, 2010 -- The fourth and final meeting of a series on health effects issues featured PCAC member and lung specialist, Brian Bradley, MD, speaking about asthma. The meeting opened with a review by Joe Goins, plant manager, of American Acryl's December 9 fire and explosion. PCAC accepted a suggestion to start each meeting with a short "safety moment" as many plants do. *(Meeting #184)*

TUESDAY, FEBRUARY 23, 2010 -- All PCAC plants provided data for the annual report on worker safety, compiled and presented by facilitator Diane Sheridan. The weighted average for the 17 plants was 0.80. The presentation was preceded by a report on a February 16 incident in which a reddish brown cloud of nitrogen oxide emissions from two incidents at the Air Products Pasadena plant crossed SH 225 at rush hour. Paul Vallone, site manager Jacques Joseph, and chief engineer Steve Feldman made the presentation for Air Products. Robert Hemminger, City of Pasadena Emergency Management Coordinator, spoke of the city's experiences, particularly with plant notification of the responsible agency regarding the incident and need to shelter in place. *(Meeting #185)*

THURSDAY, MARCH 25, 2010 -- Bryan Bass, a BNSF Railway Senior Manager of Homeland Security, discussed chemical transportation security on the rails. He was accompanied by local BNSF police officer Chris Burr. Bass covered both new regulations and voluntary programs to enhance security. Jeff Tippit, Safety and Security Director for Clark Freight Lines, discussed security measures used by trucking lines. Sgt. James Holt updated PCAC on the Pasadena Police Department's Commercial Vehicle Enforcement program. Craig Murphy of MEMC presented a safety moment on cell phone usage while driving. PCAC agreed to co-sponsor a booth at the May 22 Southeast Regional LEPC Safety Fair if enough volunteers are available to work at the booth. *(Meeting #186)*

TUESDAY, APRIL 27, 2010 -- PCAC members gathered at the Kinder Morgan offices in Galena Park for an overview of KM operations by general manager Carlos Munguia. They then traveled by bus to the truck rack on Jefferson Road to see how trucks load gasoline and other liquids. From there, the group was taken to the KM Pasadena Terminal, where they drove past the pits and visited the control center. The bus tour was guided by Pete Almaraz, Manager of Houston Operations. The control center tour was given by Merlin Collins, KM Control Center Manager. Other resources included Bruce Tylock, KM EHS Regional Manager and Christina Harris, PCAC representative for Kinder Morgan. *(Meeting #187)*

TUESDAY, MAY 25, 2010 -- PCAC members shared what was on their mind and the minds of others as prelude to brainstorming meeting topics for the coming year or so. Community and plant members and guests generated and prioritized 26 topics. Volunteering for the Program Planning Committee were Royce Measures, Loretta McCarthy, and AES's Jennifer Didlo with GCWDA's Gordon Pederson as her backup. Michelle Roberson reported on a May 17 fire at the LyondellBasell Refinery. Sarah Metzger and Loretta McCarthy offered to attend Southeast Regional Local Emergency Planning Committee meetings as a PCAC representative.*(Meeting #188)*

THURSDAY, AUGUST 26, 2010 -- Prior to the meeting, members talked with firefighters from Chevron Phillips and LyondellBasell Refinery who brought trucks to the parking lot to let members see how they are equipped for a major industrial fire. Pete Greco, Vice Chair, talked about Channel Industries Mutual Aid (CIMA). A Program Plan for 2010-2012 was adopted. It includes having a host plant each meeting to introduce the plant and do the safety moment. Pasadena Refining presented the safety moment. *(Meeting # 189)*

TUESDAY, SEPTEMBER 28, 2010 -- PCAC invited four people to address industry workforce development. Nathan Murray, East Harris County Manufacturers Association (EHCMA) Industry Training Chair; Pasadena ISD head of Career and Technology Education Sarah Wrobleski); San Jacinto College Dean of Technical Education Steve Horton; and Houston Community College professor and head of their Energy Institute, John Galiotos. A common theme was the need for teachers and students to understand industry and its needs, thus internships, field trips, and other interaction were recommended. PCAC added four new members: Ruth Askine, Mandy Fagan, Richard Sims, Sue Sims. *(Meeting #190)*

TUESDAY, OCTOBER 26, 2010 -- The annual report on air emissions was presented by Rick Ritter of OxyVinyls on behalf of the 17 PCAC plants. Facilitator Diane Sheridan first provided an introduction to the reports and the inventories from which the numbers are derived. Kevin Dikes of Chevron Phillips told members about a bird problem that was a safety hazard, the efforts taken to date to drive the birds away from plant structures, and plans suggested by wildlife experts to scare them away by using lethal feed. Tommy Smith of AES Deepwater was the host plant; he also provided the safety moment. Sheridan handed out results of the PCAC self-evaluation survey which will be discussed at the December meeting. *(Meeting #191)*

THURSDAY, DECEMBER 2, 2010 -- Candace Ahlfinger, Pasadena Independent School District (PISD) Associate Superintendent for Communications and Community Relations , and Robert Hemminger, Emergency Management Coordinator for the City of Pasadena, prepared a joint presentation to explain community emergency communications with schools in the event of a significant plant incident or other such emergency. They also shared demographic information and explained how the district and the city are responding to those needs. Attendees discussed results of a PCAC self-evaluation survey submitted by 19 of 25 most active members in October. Results were positive but generated some suggestions for ways to improve PCAC. *(Meeting # 192)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2009

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TUESDAY, JANUARY 27, 2009 -- PCAC's annual emissions report, delayed from October due to Hurricane Ike, was presented by Rick Ritter of Oxy Vinyls with an introduction by facilitator Diane Sheridan. From 1995-2007, production rose 16%, total emissions inventory decreased 55%, PCAC-selected emissions inventory pollutants dropped 57%, and TRI air releases declined 35%. Plant-specific data were provided for the first year. *(Meeting #176)*

TUESDAY, FEBRUARY 24, 2009 -- The annual report on worker safety was presented by facilitator Diane Sheridan. Pat Lavergne and Jerry Forrest of LyondellBasell Houston Refinery showed a video and commented on the investigation of a Deep South crane accident at the refinery, which resulted in 4 of the fatalities covered in the worker safety report. *(Meeting #177)*

THURSDAY, MARCH 26, 2009 -- The meeting was cancelled due to severe weather.

TUESDAY, APRIL 28, 2009 -- PCAC members and guests met aboard the Port of Houston's Sam Houston for a tour of the Houston Ship Channel with a focus on security. Representatives from the Pasadena Police Department, US Coast Guard, Harris County Office of Homeland Security and Emergency Management, TCEQ, and plants with waterside frontage served as resources on security. *(Meeting #178)*

TUESDAY, MAY 26, 2009 -- To learn how exposure and dose and other factors relate to health effects from exposure to pollutants, PCAC invited Jonathan Ward, PhD, environmental toxicologist at the University of Texas Medical Branch at Galveston. Ward also presented slides from Sharon Petronella, PhD, an epidemiologist at UTMB who ended up with a schedule conflict after the presentation was postponed from March. Ward presented Toxicology 101 with details on benzene and 1,3-butadiene. Petronella's slides provided basic information about the various studies that may be conducted to understand whether a population has been affected by exposure to certain pollutants. She also offered examples of studies. PCAC invited Pasadena Volunteer Fire Department to become an organizational member of the group. Mark Beaver and former PCAC member Gary Williams will serve as the representatives. *(Meeting # 179)*

THURSDAY, AUGUST 27, 2009 -- In the second meeting of a series on health effects issues, PCAC invited the Texas Department of State Health Services to update them on cancer statistics for Pasadena and Galena Park. Eric Miller, PhD, Epidemiology Manager

in the Cancer Epidemiology and Surveillance Branch, spoke of general health in Pasadena compared to state statistics, cancer in Texas and in the US, the Texas Cancer Registry, recent investigations in Pasadena and Galena Park, and how to request an investigation if you thing there is a cancer cluster. Members approved a request from Gulf Coast Waste Disposal Authority to become a plant member of PCAC. *(Meeting #180)*

TUESDAY, SEPTEMBER 22, 2009 -- Frank Broussard of Chevron Phillips's Orange Plant explained what process safety is and showed members how his plant tracks their process safety program elements. Members reviewed the Program Plan for the first half of 2010 and confirmed the topics are still of interest. The workforce development topic may be moved from the second half to the first half of the year if plants begin needing to replace employees. *(Meeting #181)*

TUESDAY, OCTOBER 27, 2009 -- PCAC's annual report on air emissions was compiled and presented by Rick Ritter of Oxy Vinyls. The topic was introduced by the facilitator, and an acronym sheet was provided. Emissions in every category PCAC includes in the report declined from 2007 to 2008. The facilitator described the EHCMA CAER Line and the associated Odor Network and demonstrated how to report an odor with the assistance of the zone coordinator at Chevron Phillips. *(Meeting #182)*

THURSDAY, DECEMBER 3, 2009 -- The third meeting of a series on health effects issues featured Kevin Adams of Sekisui Specialty Chemicals introducing members to Material Safety Data Sheets. Adams explained their usage and contents and how to obtain copies. He used an MSDS for a chemical from his plant as well as some for household products to show what can be learned from them. Plants shared copies of MSDSs from their plant in small groups to help members understand the kind of information available. PCAC selected 5 new members: Betty Moody, Rick Guerrero, Greg Downs, Lou Ann Nolan, and Richard Arocho. *(Meeting #183)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2008

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met 9-10 times a year since January 1991. The panel advises 16 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 22, 2008 -- PCAC met at the Port of Houston Authority's Port Coordination Center. William Dillworth, information technology director, spoke about the center and the work it would do to assist the Coast Guard in a major marine emergency. Sgt. Hensley served as a resource. PCAC saw the equipment in the center and toured the port police department's mobile command center. *(Meeting #169)*

TUESDAY, FEBRUARY 26, 2008 – PCAC met at First United Methodist Church Fellowship Hall for the annual report on worker safety. Members adopted revised groundrules that describe the relationship between industry and PCAC community members. Plant managers will now serve as members of the group, rather than as liaisons. All plants will attend all meetings, rather than serving rotating one-year terms. Plants emphasized that they want decisions in the group to continue to be driven by community members. The new system will be tested for a year, then evaluated. Volunteering to serve as a Membership Committee were CAC members Sarah Metzger and Joe Valdivia; Marie McDermott of the Economic Alliance; and Christopher Sterling of Bigler. In lieu of the March 27 meeting, PCAC will attend a March 27 air quality forum. *(Meeting #170)*

TUESDAY, APRIL 22, 2008 – PCAC met at First United Methodist Church Fellowship Hall for a Program Planning session. Attendees reviewed topics being covered by other CACs then brainstormed a list of ideas and used sticky dots to select those they most want to cover in the coming year. Three new members were added: Ernesto Paredes; Bayshore Hospital (Sonya Anderson), and Economic Alliance Houston Port Region (Marie McDermott). The remaining groundrule revisions were reviewed and accepted. PCAC thus completed a comprehensive review of the original PCAC groundrules and made both major and minor revisions. The readopted groundrules will be reviewed now every 3 years. *(Meeting #171)*

TUESDAY, MAY 27, 2008 -- PCAC toured the AES Deepwater Power Plant, hosted by plant manager Jennifer Didlo and 8 plant personnel who served as tour guides. Didlo gave an overview of the AES plant and the AES Corporation prior to the tour. Plant updates included a followup by MEMC on the incident that members had been notified of April 24. The Program Planning Committee presented a draft plan for 2008-2010 that accommodated nearly every suggestion made during the brainstorming process. The plan was approved with one small change. *(Meeting #172)*

THURSDAY, AUGUST 28, 2008 -- PCAC addressed community emergency communications with a presentation by Harris County Industrial Liaison David Wade, a member of the EHCMA Community Emergency Communications Committee. Wade

reviewed CECC protocols that plants and responsible agencies in east Harris County cities and Harris County will now all use when plants notify these agencies of significant industrial events and when agencies and plants communicate to the public about the events. Pasadena Emergency Management Coordinator Robert Hemminger supported use of the protocols and reviewed the community warning systems used by Pasadena if residents need to be warned to shelter in place. Hemminger and Wade also did a brief update on hurricanes. A presentation about the CAER Line was postponed. Three new members were added to PCAC: Mary Keen, Nona Phillips, and the Pasadena Chamber of Commerce (representatives Sherry Trainer and Paul Davis). Charter member Jim Moody also returned to membership. *(Meeting #173)*

TUESDAY, SEPTEMBER 23, 2008 – The meeting was canceled due to Hurricane Ike.

TUESDAY, OCTOBER 28, 2008 -- PCAC addressed Hurricane Ike, focusing on plants but including information from city, county, and other organizations. Reports covered preparation, experiences, aftermath, and lessons learned. Plants took turns responding to a series of common community questions. Each then reported plant status and how employees fared. PCAC members and other resource people reporting included Walt Crow of Houston Regional Monitoring; David Wade and Joshua Glover, Harris County Industrial Liaisons; Robert Hemminger, City of Pasadena Emergency Management Coordinator; and Sarah Metzger, City of Pasadena Environmental Services. Danny Gonzalez returned to the area and resumed his membership. PCAC agreed to change the way plant updates are presented in the meeting notes, showing them as a summary rather than a plant-by-plant report. The experiment will be evaluated in a year. (*Meeting #174)*

THURSDAY, DECEMBER 4, 2008 -- Walt Crow of URS Corporation spoke for Houston Regional Monitoring (HRM), whose monitors URS operates. He described the various sources of emissions and the part attributed to industry where it is known; e.g. NOx and volatile organic compounds. He also briefly described the controls or voluntary programs in place for each source category and provided facts about benzene emissions. The following new members were named: Olga Lopez, Sen. Mike Jackson's office (Barbara Lewis), Loretta McCarthy, Jack Womack, and Karen Hollon. *(Meeting #175)*

TUESDAY, OCTOBER 28, 2008 -- PCAC addressed Hurricane Ike, focusing on plants but including information from city, county, and other organizations. Reports covered preparation, experiences, aftermath, and lessons learned. Plants took turns responding to a series of common community questions. Each then reported plant status and how employees fared. PCAC members and other resource people reporting included Walt Crow of Houston Regional Monitoring; David Wade and Joshua Glover, Harris County Industrial Liaisons; Robert Hemminger, City of Pasadena Emergency Management Coordinator; and Sarah Metzger, City of Pasadena Environmental Services. Danny Gonzalez returned to the area and resumed his membership. PCAC agreed to change the way plant updates are presented in the meeting notes, showing them as a summary

rather than a plant-by-plant report. The experiment will be evaluated in a year. (*Meeting #174)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2007

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 15 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 23, 2007 -- PCAC met at the OxyVinyls club house. Rebecca Rentz, Texas Commission on Environmental Quality Houston Air Program Director, provided an update on how the Houston area is doing meeting standards and carrying out the state implementation plan for ozone. To address the agency's priorities for air toxics, she talked about the TCEQ Air Pollutant Watch List. *(Meeting #160)*

TUESDAY, FEBRUARY 27, 2007 -- PCAC met for the first time at South Houston High School's Reinartz Center. Facilitator Diane Sheridan presented the annual report on worker safety, based on data provided by PCAC's 15 plants. New this year was a more extensive breakdown of the severity of injury or illness as well as those resulting from chemical contact or exposure. *(Meeting #161)*

TUESDAY, MARCH 27, 2007 -- PCAC met at South Houston High School. As a followup to the annual worker safety report, PCAC invited Kevin Rockwell, regional coordinator of the Occupational Safety and Health Administration (OSHA) Voluntary Protection Program (VPP) to speak. Plans are underway for plant managers to invite a selection of community leaders to a luncheon to tell them of the importance of PCAC and to seek their advice on individuals or organizations we might cultivate. *(Meeting #162)*

TUESDAY, APRIL 24, 2007 -- PCAC celebrated its 16th anniversary with a social event at Armand Bayou Nature Center. PCAC members, plant managers, and frequent visitors were invited to bring spouse or guest for a walking tour of the nature center and a reception and banquet in the ABNC Interpretive Building. Jim Moody, a charter member of the PCAC who rarely missed a meeting, resigned recently. He was honored for his many years of service with a donation to the Junior ROTC program at Pasadena High School. Alecya Gallaway of the Environmental Institute of Houston presented "Past Reflections of a Watershed: A Pictorial Essay Depicting the History of Clear Creek and Clear Lake." *(Meeting #163)*

TUESDAY, MAY 22, 2007 – Diane Larsen, OxyChem corporate Responsible Care and Security manager spoke on Transportation of Hazardous Materials with a Focus on Chlorine. Judy Glasco and Van Long facilitated in Diane Sheridan's absence, and Phil Johnson took notes. Long updated members on the plant managers invitation to a variety of community leaders to attend a luncheon on June 7 to learn why plants find PCAC important and to ask for their suggestions for future members. The group decided to take June as well as July off this year. *(Meeting #164)*

TUESDAY, AUGUST 28, 2007 – PCAC took off two months this summer, but plants provided a facility update that was mailed to members in early July. The August meeting was attended by several people who took part in the luncheon hosted in June by plant managers to seek help adding new members to the group. Other visitors came as members'guests. The main topic was security. PCAC member and City of Pasadena Emergency Management Coordinator Robert Hemminger described the city's new Security Council. Each PCAC liaison plant provided examples of the security improvements made since 9-11-01. Bigler LP, a new plant in Pasadena, joined EHCMA and became a PCAC plant sponsor. Volunteers were sought for two committees. Judy Glasco, Jim Preston, Oxy's Rick Ritter, and AES's Jennifer Didlo will serve on the Membership Committee. Phil Johnson, Albert Gonzales, Bigler's Andy Duncan, and Oxy's Rick Ritter will serve on the Groundrules Committee. Don Epps and Phil Johnson of the Emissions Report Format Committee reviewed input from last year's report, which has been provided to Jim Daniel of Lyondell, who will again compile and present the data. The September meeting schedule was changed to permit attendance by a group of potential members with conflicts on 4th Tuesdays. *(Meeting #165)*

TUESDAY, SEPTEMBER 18, 2007 -- PCAC met at the BASF plant to take a walking tour of the chemical plant. Agrifos plant manager Steve Pierce provided a detailed update about releases from the gypsum storage pile due to heavy rains. Pierce informed members of the issue by memos between meetings. The date was changed for this month to experiment with a different meeting night that would allow more people to attend. *(Meeting #166)*

TUESDAY, OCTOBER 23, 2007 -- PCAC met at South Houston High School for the second annual report on emissions. On behalf of PCAC plants, Jim Daniel of Lyondell Refinery collected, compiled, and presented overviews of air emissions inventory and Toxics Release Inventory. Each plant offered an example of a project that has reduced emissions. A meeting schedule for 2008 was approved as a one-year pilot to see if holding every third meeting on a 4th Thursday instead of a 4th Tuesday will increase the number of people able to take part in the group. The facilitator reviewed key proposals for changing groundrules, which will be discussed at the November meeting. *(Meeting #167)*

TUESDAY, NOVEMBER 27, 2007 -- Carlos Munguia, Kinder Morgan General Manager for the Gulf Region, provided an overview on pipelines. CAC member Mike Jackson, Pasadena's Assistant Police Chief, commented on the city's experience with pipelines and the information they receive from the Pipeline Group. Twelve AP Chemistry students from the South Houston High School class of CAC member Jim Preston attended the meeting. PCAC adopted changes to the Membership section of the PCAC Groundrules as proposed by a Groundrules Committee. Members took formal action to add the following individuals as PCAC members: Danny Gonzalez, Sarah (Sam) Metzger, Royce Measures, Leslie Peckham, Givvie Searcy, Joe Valdivia, Jackie Welch. In addition, First United Methodist Church was added as an organization member. They selected Associate Pastor Cheryl Smith to represent them for a year, then will rotate that responsibility. *(Meeting #168)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2006

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 15 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 24, 2006 – PCAC met at the Oxy Vinyls clubhouse for an update on security since 9-11 presented by US Coast Guard Commander Dave Hawes and East Harris County Manufacturers Association Security Committee Chair Dave Smith. Improvements in communications put in place after the terrorist attach have continued. Both talk of additional security enhancements that will come from a federal grant obtained in 2005 by working in partnership with Harris County. Still to be worked out is the maintenance and operations associated with the new boats, equipment, and programs funded by the $17.1 million grant. *(Meeting #150)*

TUESDAY, FEBRUARY 28, 2006 -- PCAC met at Oxy Vinyls Clubhouse for the annual report on worker safety. In response to suggestions the prior year, the report was expanded to include fatality data and to note plants taking part in the OSHA Voluntary Protection Program. To learn more about contractor safety, PCAC heard a presentation by Christine Sandel, Special Projects Manager, on the work of the Houston Area Safety Council. The group accepted the facilitator's suggestion that a plant liaison, Jim Daniel of Lyondell-Citgo, and a community member, South Houston HS teacher Karen Stocco, co-facilitate the March meeting in her absence. The group considered an invitation to take part in the first environmental fair to be sponsored by the City of Pasadena and PISD on April 29. While having a booth may be worth future consideration, the group chose not to do so this year. PCAC has no display or materials. Sheridan reported on a meeting with plant managers and a suggestion they will bring to PCAC to add a new category of membership to the groundrules. *(Meeting #151)*

TUESDAY, MARCH 28, 2006 -- Lyondell Citgo Refinery (LCR), which recently completed a major turnaround, described the planning required, including that to prevent injuries when many additional workers are on site and to reduce emissions associated with shutdown, clearing, and startup. The plant also shared performance records and lessons learned that may be applied to future turnarounds. Presentations were made by LCR's Ryan Miller, Melvin Goyens, and Stephanie Parr. The presentation featured the planning and execution of the 2005 planned maintenance turnaround of the 737 Coker. In the absence of facilitator Diane Sheridan, the meeting was co-facilitated by LCR's Jim Daniel and community member Karen Stocco. Maribel Zepeda took notes. *(Meeting #152)*

TUESDAY, APRIL 25, 2006 -- Albemarle plant manager Mark Vranderic volunteered to use an actual incident to explain how they decided to conduct a root cause analysis, then walked members through the process to show how investigation works. Sheridan explained a plant suggestion for increasing PCAC membership. Members currently live or

work in Pasadena, serve as individuals, and serve as long as they wish. Serving as an individual means that the seat is held by the person, not by an organization, even if the individual was selected because of his or her affiliation with an organization. To help fill gaps in membership, the current structure of individual members would constitute a core group. To it would be added representatives selected by organizations. PCAC would select organizations to invite, give the seat to the organization, and ask the organization to fill the seat on a rotating basis with one of its members serving a year at a time. Members will consider the recommendation in May and change the groundrules if it is acceptable. *(Meeting #153)*

TUESDAY, MAY 23, 2006 -- PCAC met at Albemarle's Cork Room for a presentation on hurricane planning by David Wade, Harris County Industrial Liaison and Chief of Training and Education in the Harris County Fire Marshall's Office. PCAC selected two new members: Jim Preston, South Houston High School science teacher, and L. A. Cantu, who is retired from DuPont. PCAC accepted an invitation from the Citizen's Advisory Council to La Porte Industry to send a community representative and a plant representative to share PCAC best practices with CAC's surrounding LPCAC. Air Products, Lyondell-Citgo, and Oxy Vinyls completed their terms. *(Meeting #154)*

TUESDAY, JUNE 27, 2006 -- PCAC met at Oxy Vinyls Clubhouse to consider the contents and format for an annual report on emission trends. Community and plant members revised a proposal prepared by several plants to start the discussion. Agreement was reached on how to approach the report, which will be a pilot project for the first year and evaluated after presentation to determine if it met members' needs. MEMC's Tom Ninke provided an overview of a planned expansion, requested after members heard in their May update that the plant would be building a third unit. *(Meeting #155)*

TUESDAY, AUGUST 22, 2006 -- PCAC acted on a proposal made several months ago to revise the groundrules and create two categories of membership. Individuals members, as we currently have, would remain the core group. In addition, PCAC would invite selected organizations to be a member, and ask the organizations to select a representative annually. The goal is to make it easier to involve more people who are not ready to make the long-term commitment of the core group. The organizational members may be a pool from which additional core group members can be drawn. Jim Moody, Karen Stocco, Albert Gonzales, Houston Products Processing's Tim Day, and Agrifos's Steve Pierce volunteered to serve initially on a Membership Committee that will develop goals and strategies for increasing membership. They will bring their proposal to the full group for adoption. At that point, decisions will be made about the mix of community and plant members needed to carry out the strategies. PCAC also conducted a Program Planning exercise. Pending topics were listed. Additional ones were added, and attendees indicated their priorities for topics to cover in the coming year. Confirming the value of tours, the group suggested more than a year's worth of tour ideas. The members also sent the plant managers' group a request to support a holiday party. Jim Moody, Don Epps, and Houston Products Processing's Tim Day volunteered to serve as the Program Planning Committee. The meeting was held at Albemarle's Cork Room.

Albert Gonzales asked Pasadena plants to encourage the EHCMA Board of Directors to allow Jim Kachtick of the Greater Houston Partnership and Gonzales to address them about the importance of more active EHCMA participation in the Galveston Bay Estuary Program. *(Meeting #156)*

TUESDAY, SEPTEMBER 26, 2006 -- With presentations by a plant, the city, and the county, PCAC reviewed the communications that occur when a significant event occurs in a plant. David Pitre of Chevron Phillips described how they communicate and with whom. Robert Hemminger, Pasadena Emergency Management Coordinator, talked about the city's communication messages and methods. David Wade, Harris County Industrial Liaison, explained what role the county can play in broader communications. All described how the new East Harris County Manufacturers Association (EHCMA) Community Emergency Communications procedures would be used. An unplanned example of emergency communications in Baytown the day of the PCAC meeting offered an opportunity to examine how communications should have worked. Oxy Vinyls' Karenanne Stegmann responded to a PCAC request and provided details about two previously reported items: an air permit received more quickly than usual and the basis for a recent Consent Decree that involved voluntary emission reductions. The Pasadena Refining System Inc. update included discussion of Petrobras' purchase of part of the refinery and plans for expansion. PCAC member Stephe Harrison resigned for lack of time to participate. Mike Jackson will be on leave for three months while attending the FBI Training Academy. Rather than a holiday party, PCAC agreed to schedule a social event in conjunction with one of the tours that were strongly supported during the recent Program Planning session. *(Meeting #157)*

TUESDAY, OCTOBER 24, 2006 -- PCAC reinstituted annual reports on emissions, based on the Toxics Release Inventory releases to the environment and air emissions inventory of criteria pollutants. Data for PCAC industry as a whole was presented for 2003-2005 and base year 1995. Jim Daniel of Houston Refining collected and presented the data on behalf of the EHCMA Pasadena Outreach Group. PCAC adopted a Program Plan for the next year. The group also agreed to a membership growth plan proposed by a planning committee. Jim Moody, a charter member of PCAC, announced his resignation, which was accepted with regret. *(Meeting #158)*

TUESDAY, NOVEMBER 28, 2006 -- PCAC met at Albemarle's Cork Room for the first of several meetings on transportation in the coming year. The focus for the meeting on hazardous materials transportation by truck was on ammonia. Craig Rogers of Security Truck Service talked about anhydrous and aqueous ammonia. He covered safety, environment, and emergency response. As requested, his topics included truck design, construction, operations, inspections, regulations; driver qualifications and testing; prevention of environmental releases; and how emergency response would be handled. Albemarle plant manager Mark Vranderic discussed in detail a November 21 fire and the associated communication issues, both those that worked and those that did not. PCAC member Janette Sexton submitted her resignation to focus on continuing her formal education. *(Meeting #159)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2005

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 20 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 25, 2005 -- PCAC discussed a recent series of *Houston Chronicle* articles on air toxics. Participants shared their reactions to the series and on what it was based. Most had not heard much community discussion about the articles. In small groups, they discussed what they found helpful or education, what concerned them and what they wished had been done differently. They then suggested several topics that PCAC might place on future agendas; those ideas will be considered during program planning in March. Liaison plant rotations took place. *(Meeting #141)*

TUESDAY, FEBRUARY 22, 2005 -- Plants submitted data for the annual report on worker safety. The facilitator presented an overview with trends. Attendees discussed the report in both the full group and the small groups. They shared their reactions and observations, raised questions, challenged specific plants to improve, and complimented others on improvements that resulted in an overall better rate. Best ideas for improving safety in the workplace were shared as were ideas for improving next year's safety report. Albert Gonzales volunteered to serve as a judge for the annual Texas Chemical Council Caring for Texas awards. *(Meeting #142)*

TUESDAY, MARCH 22, 2005 -- PCAC developed a list of possible meeting topics for the next 12 months, then prioritized them. Based on this input, a Program Planning Committee will draft a Program Plan for review and adoption for the full group. Members and plant sponsors accepted the facilitator's recommendation to begin a concerted effort to increase membership. *(Meeting #143)*

TUESDAY, APRIL 26, 2005 -- Attendees discussed how to improve community knowledge of plants and plant input from the community. The input will be considered at an upcoming meeting and at least one action step selected from the suggestions. BASF's Rich Hoffman provided details, including environmental permits and emission estimates, for the change in product line for the Pasadena plant. Kate Holzhauser, BP Amoco Pasadena plant manager, shared facts about the BP Texas City refinery explosion and responded as appropriate to questions. Members observed a moment of silence to acknowledge the incident. *(Meeting #144)*

TUESDAY, MAY 24, 2005 -- Meeting at the PISD Administration Building, PCAC was joined by South Houston High School physics teacher Chris Stein for a discussion of wind currents in Pasadena and their effect on emissions. Johnathon Wengel, BP Health, Safety, Security, and Environmental Manager, presented BP's hurricane plan as an example of the kind of plans plants make for hurricanes. Other plants commented at the end on the

similarities and differences in their plans. PCAC members Joy Mitchell and Nick Brost resigned. *(Meeting #145)*

TUESDAY, JULY 26, 2005 -- PCAC met at the Oxy Vinyls Clubhouse to continue work on improving community knowledge of plants and plant input from the community. Melissa Hathcock, Texas Chemical Council Communications Director, and Eileen Rangel, TCC Outreach Committee, talked about the Caring for Texas award program. Ed Tyler of Albemarle, member of the TCC Occupational Safety Committee, described the Best in Texas safety award program. Meeting attendees reviewed brainstorming from April in light of the presentations and suggested several steps PCAC or plants could take to make these improvements in outreach. Students not renewing membership included Adam Carranza, John Hinojosa, Francine Lai, and Dinh Ngo. Peg Finn will be listed as a former member. *(Meeting #146)*

TUESDAY, AUGUST 23, 2005 -- PCAC met at San Jacinto College's student center for an overview of the college's Process Technology program, followed by a tour of the program classrooms, lab, and miniature distillation unit. PCAC member and program instructor Ken Jackson provided the overview and served as the tour guide. *(Meeting #147)*

TUESDAY, SEPTEMBER 27, 2005 -- The meeting was cancelled due to Hurricane Rita.

TUESDAY, OCTOBER 25, 2005 -- PCAC met at the Kaneka Texas plant on Underwood Road for a tour focused on fugitive emissions. Tom Garrisi, HSE Manager, also gave a brief presentation about how fugitives are identified and controlled. This was the first meeting since Hurricanes Katrina and Rita. Plants commented on how they fared in Hurricane Rita, and members shared experience from various perspectives. A list of Lessons Learned was derived from the discussion and may be shared with the various committees seeking to improve preparedness and response. Pasadena Paper sent an update saying they are closing the Pasadena mill. Syngenta's Mike Maher announced plans to close the plant on Underwood Road over the next year or so. Kaneka plant manager Steve Skarke spoke on behalf of the Underwood Road plants, asking to move from PCAC and the EHCMA Pasadena Outreach Group to BAYCAP. Boundaries set when the CACs were established placed the plants west of Big Island Slough in the Pasadena Local Emergency Planning Committee. Now that the Pasadena and Bay Area LEPCs have merged, it becomes possible for the plants to change other affiliations without affecting their LEPC membership. The reason for the request is that PCAC has always focused on the larger number of plants along Hwy. 225, but the Underwood Road plants' community concerns come from the neighborhoods closer to them. Those neighborhoods are in BAYCAP. Skarke said the plants would provide information or speak to PCAC if the group ever has concerns that require their attention. The same request will be taken to BAYCAP. PCAC will be asked for a decision in November. *(Meeting #148)*

TUESDAY, NOVEMBER 29, 2005 -- Bob Stokes, President of the Galveston Bay Foundation; Carl Masterson, speaking for the Houston-Galveston Area Council's Clean Rivers program; and Steve Johnston, Water Quality Specialist with the Galveston Bay

Estuary Program, presented highlights of what they know about the water quality of Galveston Bay and the programs in which they are involved that address bay water quality. They included information about the Houston Ship Channel because it flows into the bay. Pasadena Refining System's Eric Bluth, plant manager, and Faheem Kazimi, HSE manager, attended to address concerns about a fire and the associated communications with the community and the city. PCAC members agreed to a proposal to have the PCAC plants on Underwood Road switch to BAYCAP and the Bay Area Outreach Group. The plants are Alpha Technical Services, Kaneka Texas, Lyondell Bayport Underwood, and Syngenta. BP Amoco completed their service as a plant sponsor. The facility operations are ending and the facility will be closed in March. *(Meeting #149)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2004

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 20 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

THURSDAY, JANUARY 22, 2004 -- PCAC participated in a January 22 joint meeting of all 10 community advisory councils in Harris County. The Bay Area CAP hosted the first such gathering of CACs. Held at the Pasadena Convention Center, the event attracted about 100 participants, about a fourth from PCAC. PCAC selected Albert Gonzales to serve as our spokesperson. Each CAC had 5 minutes to share recent successes. Gonzales polled PCAC members for ideas and listed a variety of specifics as well as unparalleled cooperation with plants. PCAC handed out a summary of the presentation and our PCAC fact sheet. *(Meeting #131)*

TUESDAY, FEBRUARY 24, 2004 -- PCAC did its second annual report on safety. The 19 PCAC plants contributed data, which were analyzed and categorized in various ways to rank plants. After an introduction by the facilitator, plants were asked to comment if they wished. Pasadena Paper was asked to talk about a fatality the prior week, and members expressed serious concerns. Plants with higher rates described new programs to reduce the number of incidents. All attendees engaged in small group discussion to identify at least one program they believe necessary for good safety performance. Jenniffier Shields Hawes updated members on improvements in ability of emergency responders to communicate among agencies during an incident. She also described other changes to improve emergency communications. The meeting was held at the Corrigan Center. *(Meeting #132)*

TUESDAY, MARCH 23, 2004 -- Ron Dipprey, president of the Texas Chemical Council, described the work of the council and the challenges facing the petrochemical industry. Foremost among them is the rising cost of natural gas and affordable energy sources. Dave McKinney and Chuck Wolf, representing East Harris County Manufacturers Association (EHCMA) updated members on the Community Emergency Communications Project and surveyed all for ideas about communication tools that work best or would be most useful to them. Karen Stocco, Joy Mitchell, and Don Epps were added as members as were two Sam Rayburn High School students, Adam Carranza and John Hinojosa. Brian Dinsmoor is retiring from BP and also leaves his position as chair of the EHCMA Pasadena Outreach Group. Van Long of Chevron Phillips assumes the chair. Bill Toth of Syngenta retired as PCAC treasurer, replaced by Steve Skarke of Kaneka Texas. PCAC formalized permission for Sheridan to e-mail meeting notices, notes, and other PCAC materials to them. ***(Meeting #133)***

TUESDAY, APRIL 27, 2004 -- PCAC met at the Agrifos plant to tour the wetlands project implemented to compensate for damage to natural resources from a spill a decade ago. PCAC provided input to natural resource agency trustees at that time and also toured the wetlands when they were new. Members also were given a driving tour of the Agrifos fertilizer plant. Benchmark presented an overview of the project. Natural resource trustees on hand were Richard Siler of TCEQ and Andy Trpak of Texas Parks and Wildlife. The facilitator was absent due to surgery, so plant manager Steve Pierce managed the meeting, with DPCAC secretary Cynthia Wotipka taking notes. ***(Meeting #134)***

TUESDAY, MAY 25, 2004 -- The first in a series of meetings on health effects focused on how industrial hygiene protects worker health and the health effects review that is part of the permitting process. Eric Van Tol, an industrial hygienist with Chevron Phillips, provided an overview of what IH programs do. Dick Flannery, Assistant to the Air Section Manager in the TCEQ Houston regional office, talked about the permitting process. Roberta Boyer, a TCEQ air inspector, served as a resource. Steve Livesay presented a "company of the month" overview of the Ethyl plant. Art Burchard resigned because he has retired and is leaving the area. PCAC met at the Ethyl plant. ***(Meeting #135)***

TUESDAY, JULY 27, 2004 -- PCAC met at AES Deepwater and reviewed a summary of reports submitted by all sponsoring plants describing their support of K-12 public education. Plant liaisons were invited to describe new technologies their plants are using, considering, or planning to use. Southern Crushed Concrete attended to offer a presentation at a future meeting. They are interested in becoming part of PCAC. The EHCMA board agreed recently that plants with environmental impacts may be part of CACs if CAC members wish, even if they do not qualify as chemical manufacturers. A group developing an environmental education center at Sam Rayburn asked if they may present their proposal for support at a future meeting. PCAC reaffirmed past practice that does not allow such presentations at meetings. ***(Meeting #136)***

TUESDAY, AUGUST 24, 2004 -- PCAC continued its discussion of plant support of public education. Mickey Ohlendorf, Director of PISD's Career and Technology Program described the changes to the program that was formerly known as vocational education. Wayne Adams, trustee of the Pasadena ISD Education Foundation, talked about why the formation was formed. Both listed the kind of support they need from industry and the community. Robert Barrow, Oxy Vinyls, chairs the East Harris County Manufacturers Association Pasadena Outreach Group Education Committee. Barrow talked about EHCMA's efforts to support K-12 public education. Alpha Technical Services joined EHCMA and became a PCAC plant sponsor. Southern Crushed Concrete explained why they would like to become a PCAC plant, even though they do not meet the criteria to join EHCMA. Members considered the request but asked that the plants also consider it at their next Outreach Group meeting. ***(Meeting #137)***

TUESDAY, SEPTEMBER 28, 2004 -- Five years after most PCAC plants submitted their risk management plans (RMPs) to EPA, PCAC plant liaisons talked about the efforts made since that time to reduce risk associated with catastrophic accidents. Faheem Kazimi of Lyondell-Citgo provided a refresher on the risk management program. Bill Reeves introduced Alpha Technical Services, a new PCAC plant. Community members and plant reps confirmed that Southern Crushed Concrete will also become a PCAC plant. *(Meeting #138)*

TUESDAY, OCTOBER 26, 2004 -- The second meeting in a series on health effects featured statistics on cancer. The speaker was Melanie Williams, epidemiology team lead in the Cancer Epidemiology and Surveillance Branch of the Texas Department of State Health Services. This branch operates the Texas Cancer Registry. Williams talked about what cancer is. In response to requests from PCAC, she assembled data on cancer incidence and mortality for Pasadena and Galena Park. She also described the methods for investigating concerns that there are cancer clusters in specific areas. She covered investigations conducted in Pasadena in response to requests. PCAC member Fred Stuart resigned. *(Meeting #139)*

TUESDAY, NOVEMBER 30, 2004 -- PCAC met at the Oxy Vinyls Clubhouse and heard Walt Crow of Houston Regional Monitoring talk about air quality. Crow showed data on criteria pollutants

and air toxics, described who does the monitoring, presented trends showing improvements over the years, and talked about how we judge air quality. He also described the Environmental Monitoring and Response System (EMRS),a TCEQ pilot program in which local plants are taking part. *(Meeting #140)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2003

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 20 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 28, 2003 -- Sgt. Lonnie Robinson of the Pasadena Police Department updated PCAC on the effective of the DOT trucking-regulation inspection project, the proposed left-land restrictions, and truck vs. car speed limits. Robinson brought photos of the new inspection pad at Beltway 8 and Hwy. 225, which PCAC has supported. He also showed photographs of what inspectors find. The meeting was held at PISD Administration Building. The plant liaison system changed, with ten plants at a time now serving one-year terms as liaisons and attending meetings. Liaisons as of 1-03 include AES Deepwater, Agrifos, Celanese, Chevron Phillips, Equistar, Kinder Morgan Liquids Terminal, Lyondell-Citgo Refining, MEMC, Sunoco Chemicals, and Syngenta. *(Meeting #121)*

WEDNESDAY, FEBRUARY 26, 2003 -- John Evans, Manager of Environmental Affairs for Lyondell Equistar, updated PCAC on changes made in December to the state implementation plan for ozone. He described new TCEQ strategies for a group of highly reactive volatile organic compounds and the scientific study that determined their role in ozone production in the Houston Ship Channel area. Evans said the study's review of the emissions inventory indicated emissions had to be higher to produce the ozone found in the study, so there are also TCEQ rules aimed at a more accurate emissions inventory. PCAC initiated an annual report on safety. The 20 PCAC plants submitted OSHA data on the recordable injuries and illnesses and days-away-from-work cases of their employees and contractors, the work hours, and the recordable rates. Summaries covering all plants were prepared and details from each plant also included in the report. *(Meeting #122)*

TUESDAY, MARCH 25, 2003 -- PCAC gathered at the Oxy Vinyls Pasadena Plant Clubhouse and looked at emergency response vehicles, including a new aerial truck, before the meeting. Oxy emergency response team members provided an overview of what happens if there is a major incident in a plant, moving step by step through a possible scenario and describing what the plant and Channel Industries Mutual Aid would do. PCAC was then bused over to the Deer Park plant that houses the emergency operations center (EOC) that serves all six Oxy Houston Operations plants. PCAC member Brian Bradley, MD, talked about what would occur at Bayshore Hospital in such an incident. PCAC member Jenniffier Shields Hawes described what the city office of emergency management would do in response to such an incident. *(Meeting #123)*

WEDNESDAY, APRIL 30, 2003 -- To see industry from the water side, PCAC members toured the Houston Ship Channel on the Port of Houston's *Sam Houston.* Members and plant liaisons brought their spouse or guest as part of an effort to build relationships between community and industry. Serving as resources were US Coast Guard Commander Dave Hawes and staff members Petty Office Matt Anderson, MST3 Sean Lewis, CPO Dave Mauldin, and Lt. Connie Ruckstuhl. Mike Zimmer of Chevron Phillips was available to share his knowledge of dock security from a plant perspective. Forty-four people took part in the event. *(Meeting #124)*

THURSDAY, MAY 29, 2003 -- A panel discussion on the San Jacinto Rail Line project gave members an update on the issue from various perspectives. David Harpole of Lyondell Equistar talked about why their Bayport plants want the alternative to current shipping routes. Larry Naeger of BNSF discussed the railroad's plans. Greg Brown explained community opposition to the project. David Benson of the

City of Pasadena provided the city's position. Mike Jackson updated members on recent restrictions on use of the left lane of Hwy. 225 by trucks, a subject discussed in 2002 by PCAC. *(Meeting #125)*

TUESDAY, JULY 29, 2003 -- PCAC met at the Lyondell Citgo refinery to tour the central control room and learn about its role in reducing releases. The meeting was a followup to a meeting several years ago when PCAC asked what steps LCR was taking to reduce the number and size of accidental releases. PCAC also used the visit to learn what the plant had done to improve its injury and incident rate so significantly in the last few years. Isaac Garcia, coordinator of the behavioral safety PRIDE program, described how much it has helped their safety program. Faheem Kazimi shared environmental and safety statistics and how they had been affected by various improvements. PCAC selected Fred Stuart as a member. *(Meeting #126)*

TUESDAY, AUGUST 26, 2003 -- PCAC met at the Lyondell Citgo refinery. Carlos Munguia of Kinder Morgan provided an overview of what pipelines do and how they work, with a focus on prevention of accidents and leaks. He also updated members on new pipeline regulations. Jenniffier Shields Hawes updated members on her office's efforts to determine the location and contents of pipelines in the city. Don Empfield attended to discuss a June incident at the Sunoco La Porte plant that members had asked about the previous meeting. *(Meeting #127)*

WEDNESDAY, SEPTEMBER 24, 2003 -- PCAC companies are East Harris County Manufacturers Association (EHCMA) members. Most are chemical manufacturers or refineries. Most must file Tier II chemical inventories with the Local Emergency Planning Committee. During Jenniffier Shields Hawes' quarterly reports on Tier II filings, members became interested in the emergency response plans of non-PCAC businesses required to submit inventories. PCAC was also interested in how these companies would communicate with the community in an emergency. Two local plants, Houston Ammonia Terminal and Tessenderlo Kerley, Inc. (TKI) were invited to speak after a PCAC member reviewed the LEPC's files to identify several plants of interest. Members chose to invite the ammonia terminal because of the volume of the chemical it holds in inventory. They selected Tessenderlo Kerley because the plant had a fire a few years ago but also had a detailed emergency plan on file with the Local Emergency Planning Committee. Steve Mistretta, Terminal Superintendent, discussed the Houston Ammonia Terminal (HAT). Mike Morton, corporate safety director, introduced PCAC to the Tessenderlo group, which includes Tessenderlo Kerley and its Pasadena plant. Serving as resources were corporate senior environmental manager Jim Oviatt and the plant's quality control technician, Bill Lambert. Wayne Turner, plant manager of Dow Chemical in La Porte and Deer Park, updated PCAC on a new committee formed by East Harris County Manufacturers Association. The committee will address communications with the community during a chemical industry incident. *(Meeting #128)*

THURSDAY, OCTOBER 30, 2003 -- Following an opportunity to "ask or say anything," members brainstormed meeting topic ideas for the coming year, prioritized them, and formed a Program Planning Committee. Pasadena residents were asked to complete a survey prepared by East Harris County Manufacturers Association regarding methods of communicating during a chemical emergency. Roel Saldivar resigned, having moved out of state. Emilio Carmona was selected as a member. *(Meeting #129)*

THURSDAY, DECEMBER 4, 2003 -- John Bresland, one of five members of the US Chemical Safety and Hazard Investigation Board, talked to PCAC about what the new federal agency does and what they are learning by investigating chemical incidents. PCAC adopted a Program Plan for 2004, drafted by a committee of Albert Gonzales, Luther Fuller, Phil Johnson, and Oxy Vinyls' Chris Burrell. *(Meeting #130)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2002

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THURSDAY, JANUARY 31, 2002 -- Returning to the PISD Administration Building, PCAC allotted additional time for Updates so Carlton Cormier of Crown Central Petroleum and Bob Kovacich and Steve Pierce of Agrifos could discuss incidents in the last few months. A member requested that Crown form a subgroup to discuss community concerns about the number of incidents. After discussing the fact that there are concerns, the group said it would be worthwhile only if Crown saw it as such (as Phillips did). Sunoco Chemicals replaced Oxy Vinyls as a plant liaison. Rich Hoffman reintroduced the former Aristech plant to the group and also talked about the corporation they are now part of. *(Meeting #111)*

WEDNESDAY, FEBRUARY 27, 2002 -- PCAC plants contributed to a single handout summarizing the steps they will take to reduce NOx in compliance with the state implementation plan to show how Texas will attain the federal clean air standard for ozone. Mark Vranderic of Albemarle provided an overview of the ozone issue and the methods most plants will use to reduce NOx. The meeting was held at the PISD Administration Building. *(Meeting #112)*

TUESDAY, MARCH 26, 2002 -- The Texas Natural Resource Conservation Commission (TNRCC) and Harris County Pollution Control (HCPC) were invited to speak about their programs for enforcing environmental regulations. Arturo Blanco, Air Section Manager of Field Operations in the Houston Regional Office, spoke about TNRCC. George Rejsek, supervisor of Field Operations, spoke about HCPC. PCAC member Jenniffier Shields Hawes sought input on the content and format of her reports on the activities of the Pasadena Office of Emergency Management. Members found the reports helpful and appreciate her offering to report routinely. PCAC met at the PISD Administration Building. *(Meeting #113)*

MONDAY, APRIL 29, 2002 -- Meeting at the PISD Administration Building, PCAC heard Alex Cuclis of the Environmental Institute of Houston talk about the work of the institute, which serves both the main and Clear Lake campuses. Cuclis is their air quality specialist. He reviewed university research and stakeholder groups involved in work on the ozone state implementation plan. Numerous updates included a response from Shell in regard to changes in their butadiene product stewardship program partially influenced by suggestions made by the PCAC Phillips Subgroup after the March 2000 explosion. Acting on a suggestion from a member, plant updates in the PCAC meeting notes will be accompanied by a brief statement of the kind of plant it is, what it makes, and what familiar products result. Sheridan reported on renewals of commitment, which included the resignation of Elizabeth Gonzalez and the anticipated resignation of several other members whose schedules do not permit attendance. Both high school members were dropped since they have not been able to take part this year. Ken Jackson became a member. Jackson teaches in the Process Technology program at San Jacinto College. He replaces Enrique Rodriguez, who moved to Africa several months ago. *(Meeting #114)*

TUESDAY, MAY 28, 2002 -- Craig Beskid, Executive Director of the Mickey Leland National Urban Air Toxics Research Center, reviewed recent and upcoming research on urban air toxics, focusing on exposures and health effects. Brian Dinsmoor, chair of the EHCMA Pasadena Outreach Group, updated members on the EHCMA Odor Notification System currently being tested in several outreach areas. Daniel Kowal of Kinder Morgan appeared at PCAC's request to discuss a May 22 fire at their Pasadena tank farm and the lack of communications during the event. Kowal expressed interest in taking part in PCAC. *(Meeting #115)*

WEDNESDAY, JUNE 19, 2002 -- PCAC focused on several internal matters. Ideas for programs for the next year were suggested and prioritized. The group talked about how to increase membership and came up with several names of people to contact. The system by which PCAC plants serve as liaisons at meetings was reviewed. Members will ask the plant managers to think about changes that would give them more frequent contact with plants. *(Meeting #116)*

THURSDAY, AUGUST 29, 2002 -- The two plants starting terms as PCAC liaisons introduced their plants. Tim Bonner talked about Celanese, and Mark Gaddy discussed Equistar. PCAC adopted a new plant liaison system that will bring plants and members into contact more frequently. Approximately 10 plants at a time will serve one year terms, with 6 rotating on each January and 4 each June. The system preserves the mix of large and small plants from different parts of the Pasadena industrial community and puts the two refineries into different rotations so a refinery is always represented. *(Meeting #117)*

TUESDAY, SEPTEMBER 24, 2002 -- Three speakers addressed the issue of security and changes since 9/11/01: Russell Whitmarsh, Port of Houston Authority Police Chief; Dave Hawes, Chief of Response for the Houston Marine Safety Office of the United States Coast Guard; and PCAC's Lt. Mike Jackson, head of the Pasadena Police Department's new Community Defense Unit. Pasadena Fire Chief J. D. Gardner also commented from that department's perspective. All spoke of improvements in coordination and communications among federal, state, and local agencies as well as the port and industry. PCAC decided to begin submitting news releases to the *Pasadena Citizen* if a reporter does not cover the meeting. Janette Sexton-Shahout will draft the article. Art Burchard, Roel Saldivar, Judy Glasco, and Mark Gaddy will edit it. Sexton-Shahout will submit it to the paper. Four new student members were added to the group: Jeff Gale of Sam Rayburn High School, Ruben Marichalar of Pasadena High School, Francine Lai of Dobie High School, and Dinh Ngo of South Houston High School. Former student member Roel Saldivar returned to membership. PCAC completed brainstorming for program topics that began in June. A Program Planning Committee of Phil Johnson, Janette Sexton-Shahout, and Tim Bonner will meet with Sheridan to draft a program plan for the next year. *(Meeting #118)*

WEDNESDAY, OCTOBER 30, 2002 -- A second meeting on security featured Jim Hinton talking about plant security before and immediately after 9/11 and now. Hinton chairs the East Harris County Manufacturers Association Security Committee and serves on other security task forces. PCAC selected as new members Vance Mitchell, Nick Brost, and Gary Williams. *(Meeting #119)*

MONDAY, DECEMBER 2, 2002 -- The November meeting was held in December. Unable to find a railroad person to speak about security, the topic was changed to address another issue of member interest. While not related to plant, toxic mold is of general interest. To educate PCAC about what it is, where it came from, and whether or not to be concerned, PCAC heard two researchers from the University of Texas Medical Branch at Galveston: Edward Brooks, MD, Associate Professor and Medical Director of the Children's Asthma Program; and Michael

McGinnis, Ph.D., Professor and Director of the Medical Mycology Research Center. *(Meeting #120)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2001

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 23, 2001 -- PCAC celebrated its 10th anniversary with a banquet at the start of the meeting hosted by the EHCMA Pasadena Outreach Group in appreciation of the members' service. The plant managers also had a memento made for everyone. All of the 40 former members that could be found were invited. Though none attended, several sent congratulations. Current members Brian Bradley and Jim Moody were charter members of the group and have served all ten years. Bradley also served on the steering committee of industry and community members that organized the council. After the celebration, the group learned about industrial hygiene and saw tools used to assess exposure. Brian Budzinski and Michelle Hall of Oxy Vinyls made presentations. They and Oxy Vinyls' Samer Khayat also brought industrial hygiene equipment for members to look at. (*Meeting #101)*

WEDNESDAY, FEBRUARY 21, 2001 -- To view the SAFER air dispersion model in context, PCAC visited the Oxy Vinyls emergency operations center and looked at their emergency vehicles. John McHazlett, Oxy emergency coordinator, and several other Oxy employees conducted the tour and explained what would happen if there were a major incident at the plant. John Gunnerson of SAFER Systems helped explain the capabilities of the plume modeling program. Libby Cheney and Rick Howard of ExxonMobil provided the update on their September fire that PCAC requested last fall. (*Meeting #102)*

TUESDAY, MARCH 20, 2001 -- Meeting again at Oxy Vinyls, PCAC heard Albemarle's Mark Vranderic re-introduce his plant to the group. Albemarle returned as a liaison in January. Members, plants, and observers then reviewed pending program ideas, suggested additional ones, and selected priorities. Luther Fuller, Phil Johnson, and Mark Vranderic volunteered to serve as the Program Planning Committee. (*Meeting #103)*

THURSDAY, APRIL 19, 2001 -- Meeting at Oxy Vinyls, PCAC heard Ethyl plant manager Kang Buoy re-introduce his plant. Paul Vallone from the La Porte Air Products plant updated the group on a pipeline expansion that will pass through Pasadena. After updates on two current issues, PCAC adopted a program for the next year proposed by the Program Planning Committee. The group began discussion of how to increase PCAC membership and visibility. They agreed to shorten the meeting time and reverse the order of agenda items to present the major topic first. They also agreed central, easily found locations were needed. Both changes were felt to make it easier to attract possible members to meetings. A list of ways to increase visibility was reviewed; it was developed when the group last considered this need. Members asked Sheridan to talk to Karen Hollon about speaking at the city's meeting with neighborhood associations. Other ideas are to be discussed at a future meeting. (*Meeting #104)*

TUESDAY, MAY 15, 2001 -- PCAC returned to PISD for the meeting, and initiated a new agenda that aims to shorten the meeting by 30 minutes and that schedules the main topic prior to updates. The first of two meetings on Houston Ship Channel water quality featured presentations by Helen Drummond, director of the Galveston Bay Estuary Program, and Linda Shead, executive director of the Galveston Bay Foundation. Responding to a request from members, Carlton Cormier made a presentation on why the price of gasoline increases. Brian Dinsmoor, chair of the EHCMA Pasadena

Outreach Group, told members of a new EHCMA odor initiative. Jenniffier Shields Hawes is working with Dinsmoor to determine how to involve the city in the program. (*Meeting #105)*

THURSDAY, JUNE 21, 2001 -- Meeting at the PISD Administration Building, PCAC discussed the water quality of the Houston Ship Channel again. Ted Brenneman of Oxy Vinyls described a Clean Water Act program called Total Maximum Daily Load. He provided a general description of the effort to estimate and allocate pollutants at a level the body of water can handle, and he used the Patrick Bayou TMDL as an example of how the program works. Plants provided updates on how they fared in Tropical Storm Allison. AES Deepwater replaced Crown as a PCAC liaison. PCAC member John Buchanan has moved from the area and resigned. (*Meeting #106)*

THURSDAY, AUGUST 30, 2001 -- PCAC met at the community meeting room in the Bank One Building on Southmore during heavy rains. Pat Pinkerton, a member of the Community Advisory Panel to Lyondell and Equistar, and Todd Marler, representing the two Channelview plants, spoke about the project conducted by the CAPLE Emissions Subcommittee, non-CAPLE community advocates, and the two plants to reduce emissions at the source. Leon Ballard of AES Deepwater reintroduced the plant to PCAC. AES returned as a PCAC liaison in June. Steve Pierce attended to discuss the problems encountered at Agrifos during Tropical Storm Allison. (*Meeting #107)*

TUESDAY, SEPTEMBER 25, 2001 -- Richard Eskuchen of Equistar Pipeline, with fellow workers John Dees and Jaime Medina serving as resources, provided PCAC with an overview of pipelines. It covered basics as well as inspection, mechanical integrity, and what happens if there is a leak. Following that presentation, PCAC member Jenniffier Shields Hawes spoke on behalf of the City of Pasadena Office of Emergency Management to explain what the city does to be prepared for a pipeline incident. Responding to perennial questions about number and location of pipelines, Hawes explained that the city relies on information supplied to them by pipeline operators because no master map of pipelines exists. Emergency response to a pipeline incident is the same as response to any other chemical incident. PCAC met for the first time at First United Methodist Church. (*Meeting #108)*

WEDNESDAY, OCTOBER 24, 2001 -- Plans to tour the Pasadena Paper mill had to be canceled when the plant experienced production problems that made it difficult to have visitors walking around the mill. The meeting was moved to Albemarle and a discussion about noise planned for January was the main agenda topic. Members talked about noises that concern the community and plant liaisons explained what the cause might be. Rick Geshay, manager of the K-Resin Plant at Chevron-Phillips attended to provide an update on the upcoming restart of this unit, in which an explosion occurred in 2000. Accompanying him were Mike Catt, community relations manager, and Alex Herrera, a member of the K-Resin safety team and the PACE union. Enron is closing its Pasadena plant and will no longer be part of PCAC. (*Meeting #109)*

TUESDAY, NOVEMBER 27, 2001 -- Dr. David Allen, one of the lead researchers for the Texas Air Quality Study, presented his views on the findings to date from an air study ranked as the largest every conducted. Because the findings are being used to make decisions about how to achieve the ozone standard, Allen focused on ozone. But the study also took samples of particulate matter, which will become a future focus of analysis. PCAC invited other area CACs to attend the presentation. Despite severe weather, attendees included members and plant representatives from most CACs in the area. Presentation of plant updates was not planned but fires occurred at Crown Central Petroleum a few days before the meeting. So Carlton Cormier of Crown described the incident and response. (*Meeting #110)*

PASADENA CITIZENS' ADVISORY COUNCIL

Activities for the Year 2000

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

MONDAY, JANUARY 10, 2000 -- PCAC returned to the PISD Administration Building for an evening of extended and special updates. Plans to brainstorm topics for the rest of the year were delayed to allow time for discussion of other items. Phillips plant manager, Jim Ross, described a possible plant expansion if their venture with Solvay is finalized and if Phillips is the location selected to build a new polypropylene plant. If it is, they will also build a 1-hexene plant. Environmental manager Cindy Simpson helped respond to concerns. Ross also described the OSHA fine members had read about before the holidays. Lyondell-Citgo's Dave McNiel and Jim Daniel attended to respond to PCAC concerns about releases and refinery efforts to prevent them. Members were pleased to see how seriously the company is taking them and urged continuing efforts to do so. *(Meeting #91)*

TUESDAY, FEBRUARY 15, 2000 -- Meeting at the Oxy Vinyls Clubhouse, PCAC brainstormed ideas for programs for the next year after reviewing pending suggestions. Members and plants each indicated their priorities for meeting topics to schedule in the next year. A program committee of Art Burchard, Enrique Rodriguez, and Jim Demand will meet with Sheridan to draft a proposed program for the next year. *(Meeting #92)*

WEDNESDAY, MARCH 22, 2000 -- PCAC met at San Jacinto College to meet with students and participate in demonstrations of the Process Technology program. PCAC member Enrique Rodriguez, who heads the program, arranged the evening's program. T. D. Hardcastle introduced members to one of the computerized training courses, and then members used computers to see the kind of things students learn. This included using a control-board-type keyboard to call up screens like an operator would see, modify the temperature and turn off a feed pump, then see what happens to the process. Members also saw the pneumatic boards used in older plants. Students had a chance to ask plant managers about the prospects for jobs in the industry. *(Meeting #93)*

MONDAY, APRIL 17, 2000 -- Meeting at the PISD Administration Building, PCAC modified its planned agenda to take time to discuss the March 27 explosion in the K-Resin plant at Phillips. Members shared their own experiences and comments, then plant manager Jim Ross reported on the incident. Sheridan shared information from Jenniffier Shields Hawes, Pasadena Office of Emergency Preparedness, who could not attend. Members also discussed briefly the March 29 Rohm and Haas acrylic acid tank overheating. Byron McWhirter, plant manager, and Ted Brenneman, environmental manager, re-introduced members to Oxy Vinyls, which returned as a liaison several months ago. Albemarle's Paula McLemore lacked time for her presentation on ozone but provided educational materials from the Air and Waste Management Association. She

also introduced members to the new ozone alert system set up by TNRCC and Harris County Office of Emergency Management. Elizabeth Gonzales requested leave due to illness. *(Meeting #94)*

TUESDAY, MAY 23, 2000 -- PCAC met at Agrifos to tour the wetlands built as a natural resource restoration project under terms of the Natural Resource Damage Assessment program. The restoration was to compensate for damages from a spill from the gypsum dikes at the former Mobil Mining and Minerals plant in 1992. The tour was the culmination of 8 years of PCAC following the process. Natural resource trustee Don Pitts from Texas Parks and Wildlife Department and consultants Bob Davidson and Bill Quast of Benchmark Ecological Services were on hand for the tour. Pitts also explained NRDA to members and Davidson discussed how the wetlands were constructed. J. R. Moon was selected for membership. *(Meeting #95)*

WEDNESDAY, JUNE 21, 2000 -- Ted Brenneman of Oxy Vinyls made a presentation developed by East Harris County Manufacturers Association on ozone and the state implementation plan for achieving it. Members gained an understanding that achieving the health-based ozone standard will take effort from industry, other businesses, and individuals. Kaneka Texas and Pasadena Paper replaced Zeneca and Georgia Gulf as PCAC liaison plants. The meeting was at PISD Administration Building. *(Meeting #96)*

TUESDAY, AUGUST 22, 2000 -- Meeting at PISD, PCAC allowed extra time for updates because two months had passed since the last meeting. Kaneka Texas and Pasadena Paper made reports reintroducing themselves to the group. Members changed the date of the September meeting due to a conflict with the TNRCC ozone state implementation plan hearing in Pasadena. LEPC chair Mike Ludeke and Community Awareness Subcommittee chair Carolyn Sprouse attended to appeal for plant and community participation in LEPC meetings and activities. *(Meeting #97)*

THURSDAY, SEPTEMBER 14, 2000 -- Meeting at the Oxy Vinyls Clubhouse, PCAC returned to discussion of flares, one of its earliest topics. Operating technician Daniel Price of Aristech and Gary Munson of Crown talked about the use and operation of flares. Munson polled Pasadena plants and found a third had no flares, a third had one flare, and 8 plants had 26 flares among them. Type and size of operation determined their use. *(Meeting #98)*

THURSDAY, OCTOBER 19, 2000 -- Meeting at the Oxy Vinyls Clubhouse, the focus was on selection of transporters, drivers, and routes. Josh Nordgulen of Chevron Phillips showed how corporate specialists decide on transporters and provided the assessment tool most use. Gary Ragan and Jaye Holcomb of BP Amoco talked about the plant's role in this process. Bud Wylie of Matlack provided the perspective of a major tank truck company. Ashley Palma and Kurtis Thomas were selected as student members. *(Meeting #99)*

WEDNESDAY, NOVEMBER 15, 2000 -- For its 100th meeting, PCAC met at the Gulf Coast Waste Disposal Authority Washburn Tunnel wastewater treatment facility for a tour. Hosting the group was Jack Wahlstrom, facility manager, who also showed members slides of the bugs used to degrade the wastewater. Greg Seay, operations manager, guided the tour and spoke about how the facility works. Charles Goode, who heads GCA's municipal operations, spoke about the quasi-governmental entity. Several PCAC plants use GCA's local facility to treat their wastewater. *(Meeting #100)*

PASADENA CITIZENS' ADVISORY COUNCIL

1999 Activities

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises the 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

THURSDAY, JANUARY 7, 1999 -- Meeting at the OxyChem PVC plant clubhouse, members were briefed by Dr. Robert Health and Michael Palenchar of the University of Houston main campus on a survey they did of Pasadena and Deer Park residents. The survey is done every three years to look at public attitudes toward industry and awareness of what to do in an emergency. Results generally showed improved awareness. Members were also updated on plans for plant communication of risk management plans. Updates were provided on responses to PCAC letter asking local legislators for support of DOT inspections at a safe location. *(Meeting #81)*

MONDAY, FEBRUARY 8, 1999 -- Steve Pierce of Agrifos and Bill Toth of Zeneca arranged presentations of their risk management plans to provide the information as well as to help members decide how to approach presentations from other plants. A question about reducing the volume of the chemical stored on site led to discussion that showed the kind of dialogue that can, should, and will occur as members and plants consider whether risk can and should be reduced. Members asked to avoid duplicative presentations but cover the most common chemicals. They also asked to cover those where the impact on the community would be the greatest if a serious accident occurred. Members will review written materials before the next meeting and bring suggestions for future presentations. Plants will review them to suggest priorities for discussion based on community impact. The meeting was held at the Zeneca plant. *(Meeting #82)*

THURSDAY, MARCH 11, 1999 -- Meeting at the Phillips plant, PCAC continued its work on the risk management plans (RMPs) with a presentation on flammables by Georgia Gulf's Jim Demand, Ana Partin, and Louis Meneghetti. Lyondell-Citgo and Crown were on hand to respond to questions. Crown's Carlton Cormier and Ron Spain then discussed their RMP for hydrogen fluoride. Annual renewal letters were distributed. Albemarle's Paula McLemore described her visit to Beijing to give a speech on clean technology. She also visited some chemical plants and shared her observations of the similarities and differences between them and American plants. *(Meeting #83)*

WEDNESDAY, APRIL 14, 1999 -- Returning to the PISD Administration Building, PCAC evaluated its own participation in the EHCMA risk management program communications efforts and found them worth the time and work. Plants provided charts of the RMP scenario information arranged in various formats to help members see the distances that might be affected as well as the most common chemicals. *(Meeting #84)*

MONDAY, MAY 10, 1999 -- Discussions of the risk management plan information continued with BP Amoco's Brian Dinsmoor showing members estimates of how quickly a chlorine release would travel and at what concentrations it would be found inside and outside a house. Gene McCarley resigned due to work conflicts with the CAC meeting schedule. Linda Miller and Charles Beckman were selected as new members. Beth Chamberlin replaces Lindsey Pope, who is graduating. CAC

member Enrique Rodriguez videotaped the meeting for use in his process technology classes to show students a citizen discussion about a technical issue. *(Meeting #85)*

TUESDAY, JUNE 15, 1999 -- Elizabeth Gonzalez, PCAC member and city emergency manager, summarized the results of a hazardous materials transportation studied conducted by the Texas Transportation Institute for the Pasadena and other area Local Emergency Planning Committees. The study will help the city designate and mark hazardous materials routes designed to keep these materials out of residential areas. Crown Central replaced Agrifos as a PCAC liaison. *(Meeting #86)*

THURSDAY, AUGUST 12, 1999 -- Meeting at PISD Administration Building, PCAC allowed extra time for Updates after the summer break. Carlton Cormier of Crown Central Petroleum reintroduced the group to the plant and focused on their agreed order with TNRCC, which addressed changes to reduce environmental incidents. Elizabeth Gonzales reviewed the steps the city Office of Emergency Management takes in a hazardous materials transportation incident. Phil Johnson, recently retired from OxyChem and a Pinebrook resident, and Jacob Evans, a Pasadena High School student, were selected for membership. PCAC will honor charter member Georgia Haskell, who had retired to Georgia, with a tile in the Pasadena High School Walk of Fame. Haskell died this summer. *(Meeting #87)*

MONDAY, SEPTEMBER 20, 1999 -- Meeting at the Phillips plant, the PCAC received updates on two incidents that occurred in other CAC areas this summer but were of concern to Pasadena members. Goodyear's Les Carnahan provided an update on a release of a latex substance from the flare. Shell's Dennis Winkler responded to questions about a truck-train collision and fatality on their plant this summer. Phillips' Norm Berkley, Harold Banks, and Kevin Collins discussed the K-Resin fire and fatalities in June, and the polypropylene fire later in the summer. The main topic was a followup to Risk Management Plan work, with DuPont's Bill Probert and Jerry Schweiger talking about hydrogen fluoride. *(Meeting #88)*

TUESDAY, OCTOBER 19, 1999 -- The meeting was held at the Albemarle plant, where BP-Amoco's Brian Dinsmoor made arrangements for members to visit the maintenance shops and Technical Resources Lab to see demonstrations of equipment used for inspection and testing in the mechanical integrity program. Workers involved in those programs showed members the equipment they use and talked about how they tell if equipment is likely to fail. Other plants said the Albemarle facilities are more extensive than most plants have. Other plants, many of them smaller, conduct similar tests but use outside firms to do some of the work. Members received their first annual RMP report, which included updates of the charts prepared for them last spring as well as tables and descriptions of recent efforts to reduce risks. The charts were prepared by the RMP committee, chaired by Cindy Simpson of Phillips. *(Meeting #89)*

THURSDAY, NOVEMBER 18, 1999 -- PCAC met at the Fire Services offices at the Corrigan Center. PCAC learned what incident commanders experience by talking with PCAC member John Buchanan, a Pasadena volunteer firefighter, and Mike Boaze, a La Porte District Fire Chief who heads Shell's emergency response team. Del Kayser of Aristech used his company as an example of how plants have prepared for Y2K. Other plants added comments and many provided written information in their facility updates. John Buchanan described Channel Industries Mutual Aid's plans for December 31 as well as their own Y2K readiness. Buchanan chairs the CIMA Y2K Committee. *(Meeting #90)*

PASADENA CITIZENS' ADVISORY COUNCIL

1998 Activities

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises the 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

TUESDAY, JANUARY 13, 1998 -- PCAC met as guests of Bayshore Hospital , touring the newly expanded emergency room facilities and focusing on the role a hospital plays when there is a chemical emergency. Hospital staff Dr. Brian Bradley and Pam Wooley, Clinical Care Coordinator, made presentations about how the hospital is equipped and otherwise prepared to cope with a chemical emergency. Both are PCAC members. Aristech returned to the group as a plant liaison. *(Meeting #71)*

THURSDAY, FEBRUARY 12, 1998 -- Members traveled by bus to Transtar, the Harris County transportation and emergency management center north of downtown Houston. Harris County Sheriff's Deputy Steve Cathey provided an overview of the county's role in a chemical emergency. He guided members on a tour of the spectacular new operations center. Lt. Sparks of the Sheriff's Department brought the Harris County command van used during an emergency to Transtar so members could see it also. *(Meeting #72)*

TUESDAY, MARCH 10, 1998 -- Meeting at the Albemarle plant because PISD was closed for spring break, the CAC heard Union Pacific's chemical safety coordinator Herby Bart. Bart addressed community concerns about derailments and the impacts of delays, providing data about the safety and environmental performance of the railroad since it merged with Southern Pacific in 1996. During Observer Comments, locked-out Crown employee Dean Cook and Texans United's Rick Abraham castigated the group for not agreeing to their request to address the CAC this spring. The CAC declined to have them speak about Crown's record because members do not wish to be associated with the labor dispute or a lawsuit associated with the report. *(Meeting #73)*

TUESDAY, APRIL 14, 1998 -- Meeting at the PISD Administration Building, PCAC opened discussion on marine transportation safety by having workers from those areas join them in dialogue. James Knight and Ken Clary from Mobil Mining and Minerals were joined by Lyondell-Citgo's John Finck, Jack Jeter, Pete Greco, and Ellis Pellerin. Topics included steps to prevent both safety and environmental incidents. *(Meeting #74)*

THURSDAY, MAY 7, 1998 -- Ed Roe, president of Clean Channel Association, described the industry cooperative's role in responding to oil spills in Galveston Bay and the Houston Ship Channel. The meeting at the PISD Administration Building, was the second in a series on marine safety. *(Meeting #75)*

TUESDAY, JUNE 9, 1998 -- To see the ship channel from the water, members and two dozen guests took the Port of Houston's *M/V Sam Houston* tour. The captain served as a tour guide and also provided a history of and data on the port. Ship traffic was heavy so members were able to see a variety of vessels. They also saw familiar plants from a new vantage point. *(Meeting #76)*

MONDAY, AUGUST 3, 1998 -- Meeting at the PISD Administration Building, PCAC heard US Coast Guard Commander Bob Acker, Chief, Response Department, talk about the role the Coast Guard plays in marine safety, and the regulatory authority that allows them to do so. John Buchanan, a Pasadena firefighter, was selected as a member. Chris Munn attended his last meeting before leaving for college. *(Meeting #77)*

TUESDAY, SEPTEMBER 8, 1998 -- PCAC met at the US Coast Guard base in Galena Park in order to tour the Coast Guard's Vessel Traffic Service. Chief Hitchcock explained that the Coast Guard informs ships and tow boats of what to expect between checkpoints set up along the 52-mile long Houston Ship Channel. Originally voluntary on the part of vessels, checking in at each checkpoint is now required for vessels of certain length and those with a certain level of passengers. Members then watched over the shoulders of the Coast Guard personnel as they monitored video screens and radar to track vessel traffic. *(Meeting #78)*

MONDAY, OCTOBER 5, 1998 -- Members met at the OxyChem Clubhouse and toured that plant and Aristech and viewed the Georgia Gulf plant across the fence. The subject was the equipment for which worst case and alternative release scenarios will be prepared. The purpose was to familiarize members with the release potential and the associated accident prevention and emergency response measures. The purpose was also to help plant personnel see the kind of questions the public might have when they communicate their plans in February and after. Georgia Gulf provided its "re-introduction" report. *(Meeting #79)*

THURSDAY, NOVEMBER 5, 1998 -- Returning to the Pasadena school district administration building for its meeting, PCAC members were re-introduced to Zeneca by plant manager Bill Toth. Zeneca had returned as a plant liaison several months before. Albemarle plant manager Warren Gafford provided a lesson in how to read the plume maps that will be shared when plants communicate their risk management plans starting February 4. The presentation was not only to make members comfortable interpreting the maps showing how gas releases might move in a major release. It was also a chance for members to advise plants how to talk about such matters in a way the public understands. The main advice was to start the presentation with by comparing plumes from plants to something the public can picture: smoke from a chimney. Lyondell-Citgo Refinery and Albemarle completed their two-year terms as plant liaisons. *(Meeting #80)*

PASADENA CITIZENS' ADVISORY COUNCIL

1997 Annual Report

The Pasadena Citizens' Advisory Council (PCAC) provides a forum that opens dialogue between citizens and industry, addresses issues of interest to both, and promotes awareness and understanding of those issues. It has met ten times a year since January 1991. The panel advises the 17 plants associated with the East Harris County Manufacturers Association (EHCMA) Pasadena Outreach Group. Recording of the brief history began in January 1997.

WEDNESDAY, JANUARY 22, 1997 -- Continuing a series of meetings on emergency preparedness and response and the related communications, PCAC met at the Albemarle plant from 6:00 - 9:00 p.m. for a presentation on Channel Industries Mutual Aid (CIMA). Speaking for CIMA was Howard Meek, vice-chair. Several pieces of CIMA equipment were brought to the site for members to inspect. Kaneka and Zeneca completed their terms as PCAC liaisons and the second round of liaison assignments began, as did a new system of terms and rotation. Albemarle and Lyondell-Citgo began their two-year terms as liaisons. *(Meeting #61)*

TUESDAY, FEBRUARY 25, 1997 -- The emergency-related series continued with a presentation on the role played by emergency response contractors made by Nelson Fetgatler, accompanied by Cindy McDaniel, of Garner Environmental. The 6:00 - 9:00 p.m. meeting was held at the Pasadena Independent School District Administration Building. PCAC member Pete Orosco resigned due to lack of time to attend meetings regularly. *(Meeting #62)*

TUESDAY, MARCH 18, 1997 -- Meeting at the Phillips Houston Chemical Complex from 6:00 - 9:00 p.m., PCAC heard presentations on what big plants do in an emergency, how their employees are trained to shelter in place or evacuate, and how they would keep families informed in an emergency. Making presentations were John Lee, new plant manager, fire chief Jesse Berotte, and human resources manager Mike Catt. *(Meeting #63)*

TUESDAY, APRIL 29, 1997 -- To continue its work on emergencies and related communications, PCAC member Mike Jackson arranged for Dale Everitt to talk about Operation Respond. Both had served on the steering committee for this Houston area pilot public-private partnership between the Department of Transportation and the railroads. Operation Respond provides first responders with quick access to information about the shipments on the major railroads and, now, those of some trucking firms. PCAC asked Elizabeth Gonzalez, city emergency coordinator, to share information about actual Level III releases that had affected the community. The 1989 Phillips explosion was a Level III release. Debate continues as to whether the 1994 Enron Methanol explosion was one. PCAC member Kevin Young will be on leave of absence indefinitely. Two former PCAC members, Ken Phelps and Louie Ditta, were reinstated as members. Enrique Rodriguez was also selected as a member, replacing Pete Orosco. The meeting was at the PISD Administration Building. *(Meeting #64)*

THURSDAY, MAY 15, 1997 -- The CAER Line was the major topic but two updates generated extensive discussion. Paula McLemore of Albemarle updated members on trends in usage of the CAER Line by both companies and callers. McLemore also talked about how the system works. Cyndi Harrison of state Rep. Robert Talton's office summarized a bill he is sponsoring that would eliminate contested case hearings in favor of a notice and comment process. Carlton Cormier of Crown Central Petroleum responded to PCAC's request to show the trends in both safety and environmental releases prior to and since the lockout of some employees. Cormier also advised

members of the status of the labor negotiations and meetings recently called by an activist organization to discuss concerns about the company. He asked PCAC to serve as a forum for the community to hear Crown's side of the issue or to hear both sides. After extensive debate of the pros and cons of doing so, PCAC chose not to sponsor a forum but instead to encourage those with concerns to share them with members as well as Crown. AES Deepwater completes its term as liaison, to be replaced in June by Mobil Mining and Minerals. The meeting was at the PISD Administration Building. *(Meeting #65)*

THURSDAY, JUNE 26, 1997 -- Plans for evaluation were postponed when updates were extended to allow members to talk about related activities and to hear from the Shell Chemical plant manager, J. D. Johnson. Johnson briefed PCAC on the explosion earlier in the week at his plant and responded to questions. PCAC member Albert Gonzales updated members on the risk management program, sharing a speech he and several others recently gave to a CAC visiting Deer Park. Participants started a round of program planning by suggesting 16 topics they would like to address, then prioritizing them using "sticky dots." Rick Rodriquez, Judy Glasco, and Gene McCarley will work with Sheridan to draft a program plan for discussion and adoption in August. Christina Estrada replaced Roel Saldivar. Former member Edgar Saldivar returned to visit. The meeting was at the PISD Administration Building. *(Meeting #66)*

THURSDAY, AUGUST 14. 1997 -- Updates were extensive and filled the agenda. The proposed program was presented with members given time to review it before the September meeting and suggest any changes then. No time was available for evaluation. Lindsey Pope replaced Julie Glasco, and Luther Fuller was selected to represent business interests. The meeting was at the PISD Administration Building. *(Meeting #67)*

TUESDAY, SEPTEMBER 9, 1997 -- PCAC met at San Jacinto College's Central Campus to tour the facilities for the process technology program. Guided by PCAC member Enrique Rodriguez, who heads the program, members visited a small chemical plant on which students practice as well as mock control rooms and instrumentation labs. The school is equipped with control and analysis devices from the last several decades to expose students to all the kinds of equipment they might encounter on a plant site. Mike Lonza and Dennis Simon of Lonza visited to update members on a release at their plant that affected some workers and made the news. *(Meeting #68)*

THURSDAY, OCTOBER 9, 1997 -- PCAC member Albert Gonzales, who represents the group on the EHCMA Risk Management Technical and Communications Committee, provided an update on the committee's work on the risk management program. Participants then brainstormed ideas for the kinds of events at which Pasadena plants could communicate their risk management plans to the public next fall. The meeting was at the PISD Administration Building. *(Meeting #69)*

MONDAY, NOVEMBER 17, 1997 -- Olaf Braren of Goodyear accepted PCAC's invitation to update them on a release of 300,000 gallons of untreated wastewater into the Houston Ship Channel in August. Members expressed concerns heard in the community and frustration that Goodyear placed no information on the CAER Line or in the newspaper where the public could find out what had happened. PCAC's recommendation for events such as this is to tell people about them. Returning to the lists brainstormed last month, members, liaisons, and observers narrowed down the options for the kind of event(s) at which plants should communicate their risk management plans next year. Least likely to draw an audience was a city-wide, industry-sponsored event at the convention center. Of greatest interest was working with high school students. EHCMA Outreach

Chair Steve Pierce will consider this advice and other input, then return to PCAC with a final proposal for their review. The meeting was at the PISD Administration Building. *(Meeting #70)*