



2015 ELP Award Descriptions



Harry Hurst Middle School Wetland Watchers: Destrehan, LA

Service Learning Project

Harry Hurst Middle School Wetland Watchers is receiving the Environmental Leadership Program (ELP) ***Special Recognition Award in Community Environmental Outreach*** for the Service Learning Project. This school-based team consists of a core group of 250-sixth, seventh, and eighth grade students who participate in a variety of service activities to improve their local habitat and community while raising environmental awareness for wetland issues through outreach opportunities. The students led field trips, hosted community events, and participated in numerous events including St. Charles Alligator Festival, Baton Rouge Earth Day Festival, and Audubon Zoo Earthfest among others. Approximately 35 local, state, and federal government agencies, industry, local businesses, corporations, non-profits and universities have partnered with the students in volunteering at events held at the Wetland Watchers Park, a 28 acres park with two outdoor classroom pavilions, a marsh overlook and a tree house which will be used as the Wetland Watchers Educational Materials Center.

Eagle US 2 LLC: Lake Charles, LA

Solids Removal from Indeterminate Phase Project

Eagle US 2 LLC is receiving the Environmental Leadership Program (ELP) ***Large Business Achievement Award in Pollution Prevention*** for the Solids Removal from Indeterminate Phase Project. This project began as a pilot study with the goal to treat the emulsion-like sludge mixture of chlorinated organics, water, and dirt or clay material (Indeterminate Phase or IP) generated in the Clarifier System of the Waste Treatment Unit. IP greatly impedes the ability to recover and recycle usable organics as feedstock. The liquid IP emulsion was treated to allow separation of the chlorinated hydrocarbons and solids from the water. The solids were removed and the remaining liquids were returned to a tank for recovery of the usable chlorinated hydrocarbons. As a result, 360,000 pounds of chlorinated organics were recycled.

Marathon Petroleum: Garyville, LA

Dock 5 Loading Arm-Emergency Release Systems

Marathon Petroleum is receiving the Environmental Leadership Program (ELP) ***Large Business Achievement Award in Pollution Prevention*** for the Dock 5 Loading Arm-Emergency Release Systems Project. An Emergency Release System (ERS) is a device attached to the end of the transfer loading arm and enables the vessel and loading arm to safely "breakaway" from one another, while at the same time isolating the product that is being transferred from spilling. The goal of the ERS is not only to minimize spills, but prevent them altogether. During 2014, 97 vessels transferred approximately 28 million barrels of product at loading Dock 5. Each transfer, performed at a rate of 20,000-30,000 barrels per hour, was protected by the ERS and not a single drop of product fell into the Mississippi River.

Rubicon LLC: Geismar, LA

Aniline Complex Benzene Recycle Project

Rubicon LLA is receiving the Environmental Leadership Program (ELP) **Large Business Achievement Award in Pollution Prevention** for the Aniline Complex Benzene Recycle Project. This project recycled a benzene-containing waste stream by installing piping, adding process instrumentation and utilizing a spare vessel already located in the Aniline Complex. The project modifications allowed the benzene to be separated from the waste stream and stored in the spare vessel. Once the recovered benzene meets the required specifications, it can be recycled back to the process from the spare vessel and comingled with fresh raw materials. A second benzene-containing waste stream was also recycled using the same piping. Approximately, 530,000 pounds of benzene have been recycled due to this project.

Thibodaux Regional Medical Center: Thibodaux, LA

Energy Management & Conservation

Thibodaux Regional Medical Center is receiving the Environmental Leadership Program (ELP) **Large Business Achievement Award in Pollution Prevention** for the Energy Management & Conservation Project. This project focused on reducing the loads on the heating, ventilation, and air conditioning systems thereby leading to carbon dioxide reductions of over 9 million pounds. The savings are generated by running the equipment more efficiently, i.e., making adjustments in the chiller, air handler, and heating hot water supply temperatures to lower electricity and natural gas consumption. Over the previous three years, carbon dioxide levels have been reduced by over 65,000,000,000 pounds cutting their electric and natural gas consumption.

Valero Refining: Norco, LA

Waste Minimization Programs

Valero Refining is receiving the Environmental Leadership Program (ELP) **Large Business Achievement Award in Pollution Prevention** for the Waste Minimization Programs. The waste minimizations objective was to find alternative disposal options for several refinery waste streams. Approximately 3 million pounds of hazardous waste clarified slurry oil sediment was collected and used in a cement kiln as fuel. Partnering with BFI Recycling Center, 84,000 pounds of plastic wastewater filter media was diverted from local landfills and recycled. Over 3 million pounds of non-contaminated soils was reused by two landfills for daily cover. A program that minimized the amount of waste shipped offsite was implemented by consolidating general trash and oily debris.

Baker Hughes: Broussard, LA

Pollution Prevention Program

Baker Hughes is receiving the Environmental Leadership Program (ELP) **Large Business Recognition Award in Pollution Prevention** for the Pollution Prevention Program. The goal of this program was to reduce resource use (including water, energy, and associated greenhouse gas emissions) by 10% year-on-year. Water conservation plans, including short

term and long term projects yielded minimized water usage for a reduction of 37%. Baker Hughes facilities were able to achieve a 41% reduction in waste sent for disposal. An 8% reduction in electricity use and an 18% reduction in natural gas consumption were achieved through various projects and initiatives. Spill incidents decreased by 89% in volume from last year due to comprehensive spill prevention procedures and response plans, along with engineered specifications to improve chemical storage and handling procedures.

Alliance Compressors: Natchitoches, LA

Natchitoches Recycling Center

Alliance Compressors is receiving the Environmental Leadership Program (ELP) **Large Business Honorable Mention Award in Pollution Prevention** for the Natchitoches Recycling Center Project. By partnering with the City of Natchitoches and Progressive Waste Solutions, Alliance Compressors established a recycling program that provided residents, living outside the city limits, the opportunity to drop off recyclable materials seven days a week. This partnership provided recycling access to about 39,000 residents in the parish and approximately half of them live in the rural areas outside the city limits.

Alliance Compressors: Natchitoches, LA

Energy Conservation

Alliance Compressors is receiving the Environmental Leadership Program (ELP) **Large Business Honorable Mention Award in Pollution Prevention** for the Energy Conservation Project. Two projects regarding energy conservation/efficiency were implemented that reduced carbon footprint. Installing a variable speed frequency drive on the weld chiller circulation pump and installing air flow meters on the air compressors and air feeds into machining areas of the plant resulted in a reduction of 350,000 pounds of carbon dioxide, over 1.6 million KWhrs/yr of energy and a cost savings of over \$114,000/year.

Stuller, LLC: Lafayette, LA

Plastics Recycling Program

Stuller is receiving the Environmental Leadership Program (ELP) **Large Business Honorable Mention Award in Pollution Prevention** for the Plastics Recycling Program. Stuller is an innovative wholesale jewelry manufacturer that promotes environmental sustainability and corporate responsibility. The facility diverted plastics that would normally be disposed in a landfill into recycling bins maintained onsite. These bins were emptied on a monthly basis and a total of 72 yards of plastic were recycled. The facility remains committed to managing waste in an environmentally sound manner.

ExxonMobil Polyolefins/Plastics/Specialty Compounding/Resins Finishing Plant: Baton Rouge, LA

STEM, ACE, & EMCOT

ExxonMobil Polyolefins is receiving the Environmental Leadership Program (ELP) **Large Business Recognition Award in Community Environmental Outreach** for the Science Technology Engineering and Math-STEM, Ambassadors Committed to Education-ACE, and EM Community Outreach Team-EMCOT. ExxonMobil's volunteers remain committed to partnering with local schools and the community to promote STEM awareness and encourage students to be more environmentally aware by promoting recycling while providing science and math education. This ongoing outreach project encourages student involvement at several levels, from head start programs to colleges.

Marathon Petroleum: Garyville, LA

Infrared Camera Monitoring System

Valero Refining is receiving the Environmental Leadership Program (ELP) **Large Business Achievement Award in Environmental Management System** for the Gas Detecting Infrared Camera Monitoring Program. Marathon met the challenge to integrate the use of infrared cameras as a leak detection tool in their Benzene NESHAP monitoring and Leak Detection and Repair (LDAR) programs. The infrared camera system enhanced existing compliance programs and produced measurable environmental benefits, including detecting of leaks from non-traditional sources such as hoses, carbon canister systems, and tank vents. The daily monitoring with gas detecting infrared cameras have led to measurable risk reductions to workers and overall environmental improvement.

Nalco Champion: Garyville, LA

Condensate Return Project

Nalco is receiving the Environmental Leadership Program (ELP) **Medium Business Recognition Award in Pollution Prevention** for the Condensate Return Project. The goal of this project was to maximize the amount of steam condensate returned to boiler operations. The project had a direct effect on source reduction by recycling condensate back into the boiler feedwater system rather than sending it to the waste water sewer for treatment. Every gallon of condensate returned to the boiler system reduced the requirement for virgin demineralized water, gallon for gallon. Environmental benefits included a reduction in natural gas consumption by approximately 7700 cu. ft.; reduction in water consumption by over 5 million gallons; reduction in waste water discharges by over 6 million gallons and lower quantities of sulfuric acid, caustic, lime and sodium aluminate were discharged in the water effluent.

Capital Area Corporate Recycling Council (CACRC): Baton Rouge, LA

Electronic Recycling Program

Capital Area Corporate Recycling Council (CACRC) is receiving the Environmental Leadership Program (ELP) **Small Business Achievement Award in Pollution Prevention** for their Electronic Recycling Program. CACRC works closely with approximately businesses, agencies,

municipalities and individuals to provide an alternative to sending electronic materials to landfills. Computers, laptops, monitors and other material are refurbished and given a new life in the community via schools, nonprofits, and low income families. CACRC held 27 electronic recycling events in partnership with local communities, businesses, and media sponsors. As a result, 162,711 pounds of electronic material was recycled.

Martin Ecosystems: Baton Rouge, LA

Isle de Jean Charles Floating Island Project

Martin Ecosystems is receiving the Environmental Leadership Program (ELP) ***Small Business Achievement Award in Community Environmental Outreach*** for the Isle de Jean Charles Floating Island Project. Martin Ecosystems strategically installed floating islands in Pointe-Aux-Chene in Terrebonne Parish. Isle de Jean Charles is a narrow ridge of land between Bayou Terrebonne and Bayou Pointe-Au-Chene that is gradually disappearing. The primary goal of the project was to protect the existing sections of fragile marsh from further erosion along with protecting the only road that leads to Isle de Jean Charles. Secondary goals were also sediment accretion, establishment of new vegetation, and attachment of roots into the water bottom or the "rooting" of the islands. The project continues to be monitored quarterly.

Advanced Specialized Carriers: Pineville, LA

Pollution Prevention & Beneficial Reuse Project

Advanced Specialized Carriers (ASC) is receiving the Environmental Leadership Program (ELP) ***Small Business Honorable Mention Award in Pollution Prevention*** for the pollution prevention and beneficial reuse project. ASC recycled oily water, soapy water, ink-wash water and used oil. ASC also promotes fuel blending for all hazardous waste. Their emergency response team cleans spills and accidents scenes and recycles hydrocarbon-contaminated water statewide. Over 5 million gallons of non-regulated liquid and over 600,000 gallons of used oil were recycled.

Country Club Auto Repairs & Bentley's Collision: Lake Charles, LA

Pollution Prevention Program

Country Club Auto Repairs & Bentley's Collision is receiving the Environmental Leadership Program (ELP) ***Small Business Honorable Mention Award in Pollution Prevention*** for their pollution prevention program. This auto repair shop continues to remain focused on pollution prevention by recycling used oil, oil filters and batteries. The shop also encourages the community to recycle by serving as a drop-off site for the used oil, oil filters, batteries and tires. The shop also converted from conventional oil filters to reusable oil filters. The shop is committed to operating in an environmentally sound manner and encouraging the community to recycle.

St. Landry Parish Solid Waste Disposal District: Washington, LA

Composting and Wood Waste Diversion

St. Landry Parish Solid Waste Disposal District is receiving the Environmental Leadership Program (ELP) ***Municipality Achievement Award in Pollution Prevention*** for the composting and wood waste diversion project. St. Landry Parish is home to many large equine facilities that make up a large part of the local economy. Additionally, St. Landry is one of the largest rural parishes with many large wooded areas. As such, large quantities of carbon based compostable and woody materials are delivered for disposal. Much of the feedstock is diverted for processing and beneficial use leading to a significant reduction in carbon emissions. Results are a usable product for the community and a fuel source for certain manufacturing processes as well as saving valuable landfill space. An estimated 2300 cubic yards of high quality compost was distributed to the local community, individuals and institutions. 30,000 cubic yards of clean wood waste was ground of which 75% of the material was delivered to the manufacturing sector to be used as boiler fuel and the remainder distributed to local residents at no cost for use as either gardening mulch or as bedding material.

Port of New Orleans: New Orleans, LA

Stormwater Management Program

Port of New Orleans is receiving the Environmental Leadership Program (ELP) ***Municipality Recognition Award in Pollution Prevention*** for the stormwater management program. The Port initiated a comprehensive stormwater inspection and outreach program which has resulted in port-wide stormwater compliance audits for over 50 facilities, tenants, and operators; storm drain marking events; training and awareness building in hazardous materials and spill prevention and response, stakeholder outreach, and innovative solutions. The Port began a recycling program and is working with various tenants to identify reuse and repurposing opportunities. Efforts are underway to create a Port NOLA Waste Management Plan to address the full waste management hierarchy and future opportunities for sustainable materials management.

Town of Woodworth: Woodworth, LA

Caroline Dorman Junior High School

Town of Woodworth is receiving the Environmental Leadership Program (ELP) ***Municipality Honorable Mention Award in Pollution Prevention*** for the first "green" school in the Central Louisiana area as well as the first school within Woodworth city limits. The school is energy efficient. It uses solar panels and regulates the temperature and lighting via computers thereby continuing the legacy of environmental awareness and preservation started by the school's namesake.

St. Landry Parish Solid Waste Disposal District: Washington, LA

Upper Elementary Environmental Literacy Program

St. Landry Parish Solid Waste Disposal District is receiving the Environmental Leadership Program (ELP) **Municipality Achievement Award in Community Environmental Outreach** for the Upper Elementary Environmental Literacy Program. Working in partnership with the School Board, five specific lesson plans were developed for 5th grade teachers that would encourage students to reduce the volume of waste going to the landfill and to patronize the local school and community recycling centers. The District promotes sustainable tours of the landfill which benefits teachers, students, families and the community. It's a wonderful engaging learning opportunity for all.

Kenilworth Science and Technology Charter School: Baton Rouge, LA

Smart Coastal Protection

Kenilworth Science and Technology (KST) Charter School is receiving the Environmental Leadership Program (ELP) **School Honorable Mention Award in Pollution Prevention** for the Smart Coastal Protection project. The mentoring program at KST partnered with LSU Dept. of Civil and Environmental Engineering to work on a small scale study that would help reduce pollution by finding an alternative to limestone consumption for building coastal protection structures. The suggestion was to use fluorogypsum, a byproduct of hydrofluoric acid production. The study showed that it may be possible to use this byproduct in coastal protection constructions and reduce the production of limestone and release the land currently used for storing fluorogypsum.

Louisiana State University: Baton Rouge, LA

LSU-Tigers to Cubs: Stormwater Pollution Prevention

St. Landry Parish Solid Waste Disposal District is receiving the Environmental Leadership Program (ELP) **University Recognition Award in Pollution Prevention** for the Tigers to Cubs: Stormwater Pollution Prevention project. In this initiative, LSU Campus Sustainability Office partnered with University Lab School to conduct a stormwater pollution prevention activity that involved teaching high school science students about pollution of watersheds and marking storm drains around the LSU and Lab School campuses. The lesson was designed to show students how they can make a difference in their own "back yard" and beyond and they were encouraged to continue their efforts in their local communities.