



Partners for  
Pollution  
Prevention



# Partners for Pollution Prevention

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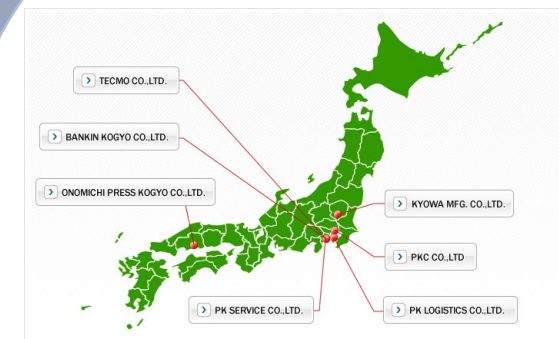
December 2019



- PK USA began operations in Shelbyville, IN in December of 1989
  - 66-Acre Campus
  - Nearly 350K ft<sup>2</sup>
  - Approximately, 25,000 ft<sup>2</sup> Warehouse
- Press Kogyo is PK USA's Parent Company one of Japan's largest automotive parts manufacturers
  - Established in 1925
  - Seven (7) Major Manufacturing facilities in Japan
  - Manufacturing facilities in ten (10) other countries worldwide
- Shelbyville, IN location
  - Approximately, 600 employees
  - Five (5) different major expansions in plant history
- Gallatin, TN location
  - Opened in 2004
- Canton, MS location
  - Opened in 2005
  - In 2010 Canton, MS operations were transferred
- Senatobia, MS location
  - February 2010



## PRESS KOGYO



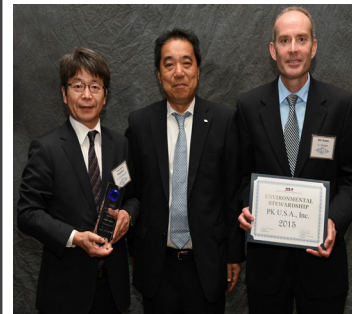
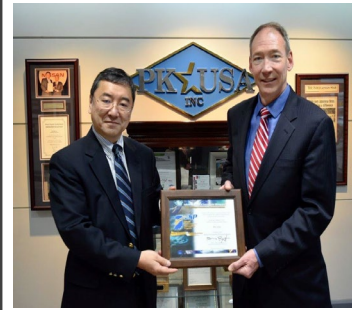












## EMS & PK USA EHS Partnership

- Partnership begins [2002]
- IIOA Wastewater Operator of the Year Award [2006]
- ISO 14001 Certified [2008]
- Transition to the new Standard ISO 14001-2015 [2017]
- No non-conformities at any facility during the past two (2) years
- Awarded Subaru Indiana Automotive (SIA) Environmental Stewardship Award [2015]
- Inducted into the Partners for Pollution Prevention [2017]
- Inducted into the Environmental Stewardship Program [2017]
- IIOA Wastewater Operators of the Year Award [2018]
- No Regulatory Non-compliances during the history of the partnership



Energy  
Conservation  
and  
Recycling  
Efforts

Recyclables

Cardboard:	451.69	Tons
Electronic Waste:	9.70	Tons
Plastic Resin/Purge:	1,302.21	Tons
Wood Pallets:	915.62	Tons
Used Fluorescent Bulbs:	14,054	Bulbs
Used Batteries:	1.66	Tons
Used Oily Water:	876,204	Gallons



# PK USA's Recycling Efforts:

## Our recycling efforts have saved the following:

Paper Recycled:	87.38	Tons
Trees Saved:	1485.46	Trees
Oil Conserved:	33,204.40	Gallons
Landfill Space:	262.14	Cubic Yards
Energy Conserved:	349,520.00	KW hr Energy
Water Conserved:	611,660.00	Gallons

## Recycling 40 cans conserves the same energy as one gallon of gasoline:

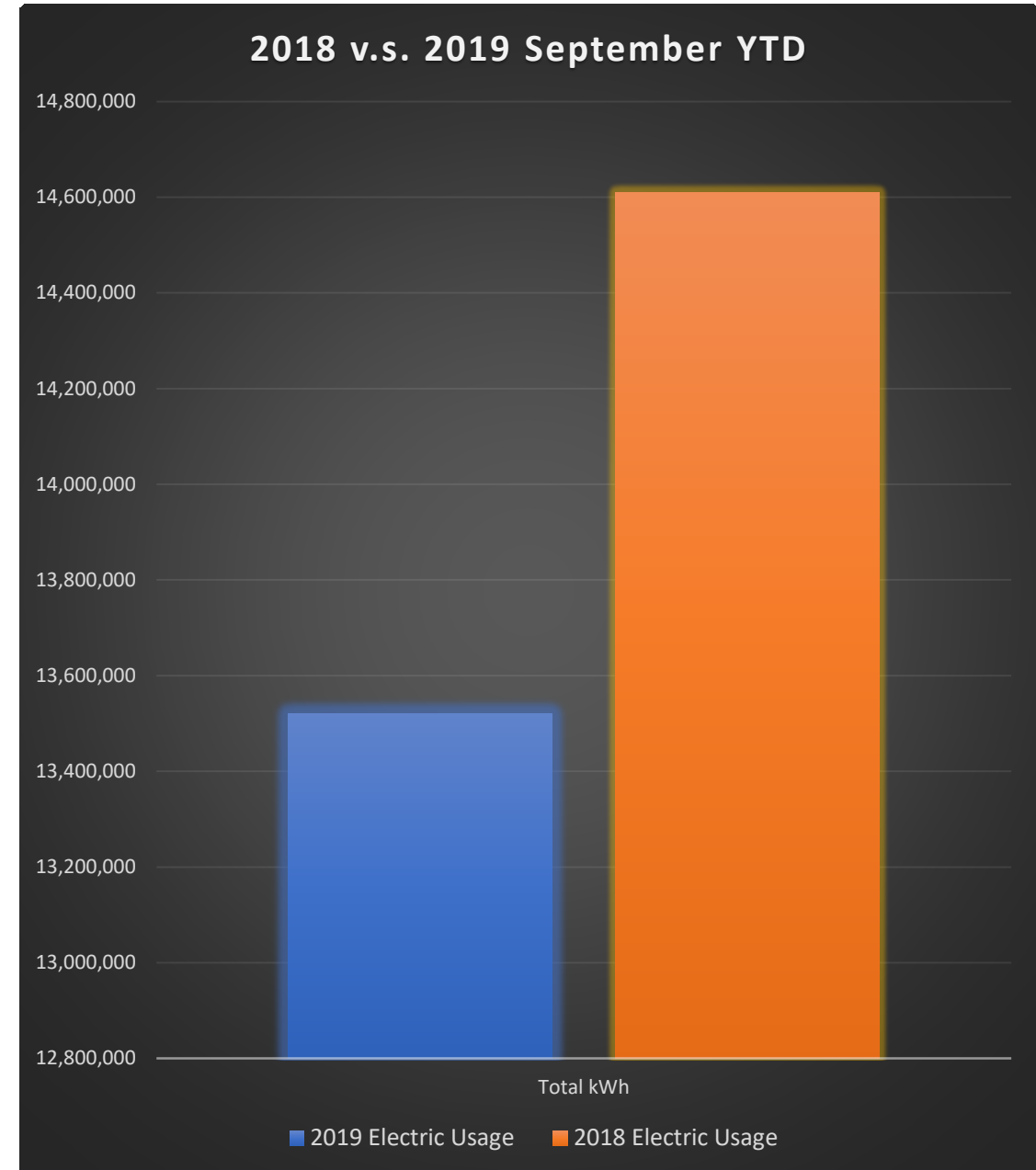
Cans recycled:	72,005	Cans
Gasoline Saved:	1,800.13	Gallons





# Electrical Usage

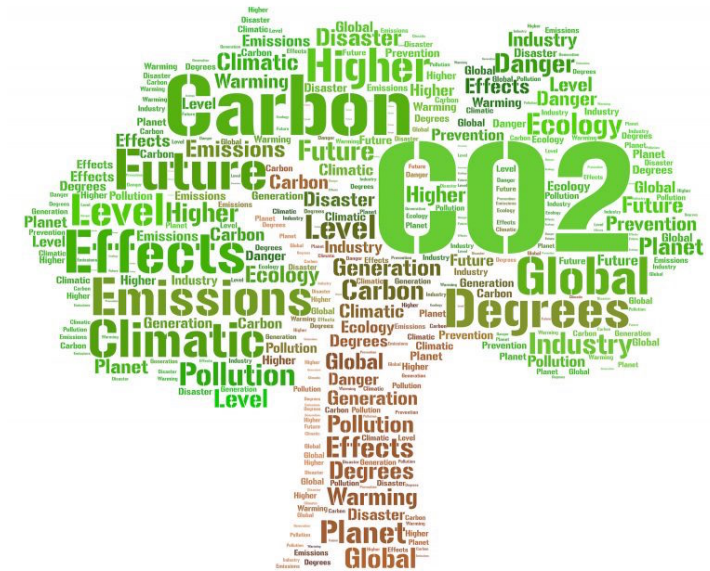
By September 2019, PK USA has decreased their annual energy usage from 2018 by 2,767,930 KW hours.



A bar chart titled "2019, 2018, 2017 Gas Usage" comparing the Year-to-Date (YTD) Total gas usage in cubic feet (FT³) for the years 2019, 2018, and 2017. The y-axis represents gas usage in FT³, ranging from 24,500 to 28,500 in increments of 500. The x-axis is labeled "YTD TOTAL". The 2019 bar is blue, the 2018 bar is orange, and the 2017 bar is gray. The 2018 bar is the tallest, followed by 2017, and then 2019.

Year	YTD TOTAL (FT³)
2019	25,950
2018	28,300
2017	27,950

2019 saw a decrease in gas usage by 2,357 ft<sup>3</sup> from 2018 and a 1,981 ft<sup>3</sup> from 2017.





Major Goal was to Reduce the total pounds of waste disposed to landfill by at least 5% per part produced





# Revenue / Reduce / Reuse / Recycle / Waste Streams



## Steel

Steel Parts  
Scrap Metal  
Scrap Containers  
Steel Drums  
Steel Turnings  
Steel Spray Paint  
Cans  
Steel Parts Racks



## Plastics

Plastic Resin  
Plastic Regrind  
Plastic Purge  
Plastic Containers  
Plastic Drums  
Plastic Bottles



## Cardboard/Wood

Cardboard  
Wooden Pallets  
Gay-Lords



## Paper

Office Paper  
Secure Paper  
News Paper  
Magazines



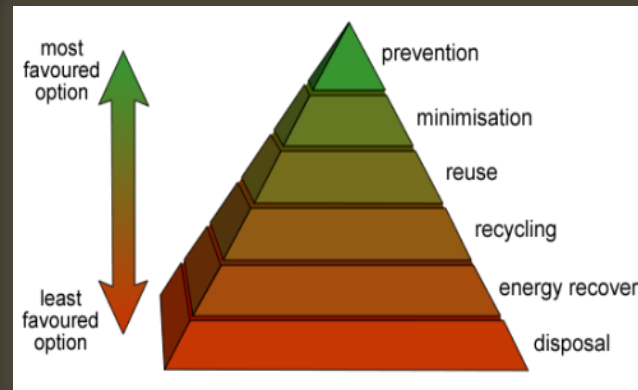
## Other

Aluminum Cans  
Glass  
Electronic Waste  
Used Oil  
Chemical Reduction  
Water  
Reuse/Recycling  
Electricity Reduction  
Gas Reduction



## Landfill

Industrial Waste  
General Refuse  
Sludge Reduction  
2018 5% Reduction  
2019 7% Reduction





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TENNESSEE



MISSISSIPPI

PRESS KOGYO



Questions?  
Comments?  
Concerns?



Environmental Management Solutions, Inc.

