



# Used Oil 101

2016 Used Oil/HHW Conference





# Legislation

- SB 86 (1986)
  - Illegal to dispose of oil in sewer and landfill
  - Used Oil classified as hazardous waste
- CORE Act (1991)
  - Fee on lubricating oil
  - Certified Collection Centers
  - Block Grants
- SB 546 (2009)
  - Block Grants become Oil Payment Program
  - Added manufacturer incentives for re-refined oil







# Oil Collection

**1994**

141 million gallons sold; 60 million gallons collected

**2015**

112 million gallons sold; 87 million gallons collected



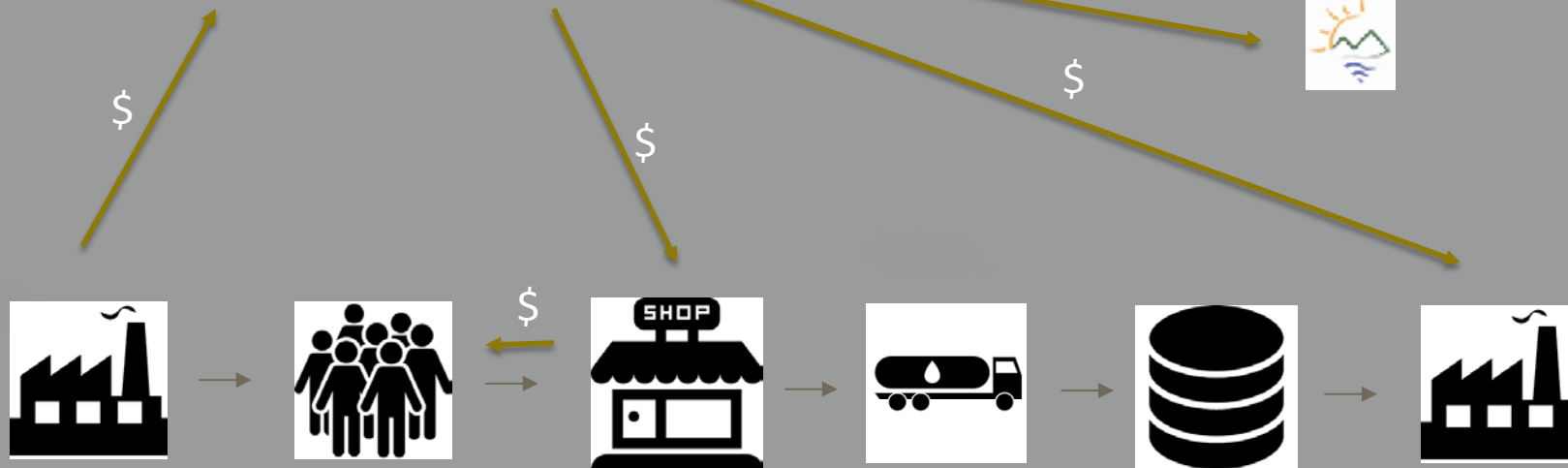
# Oil in California



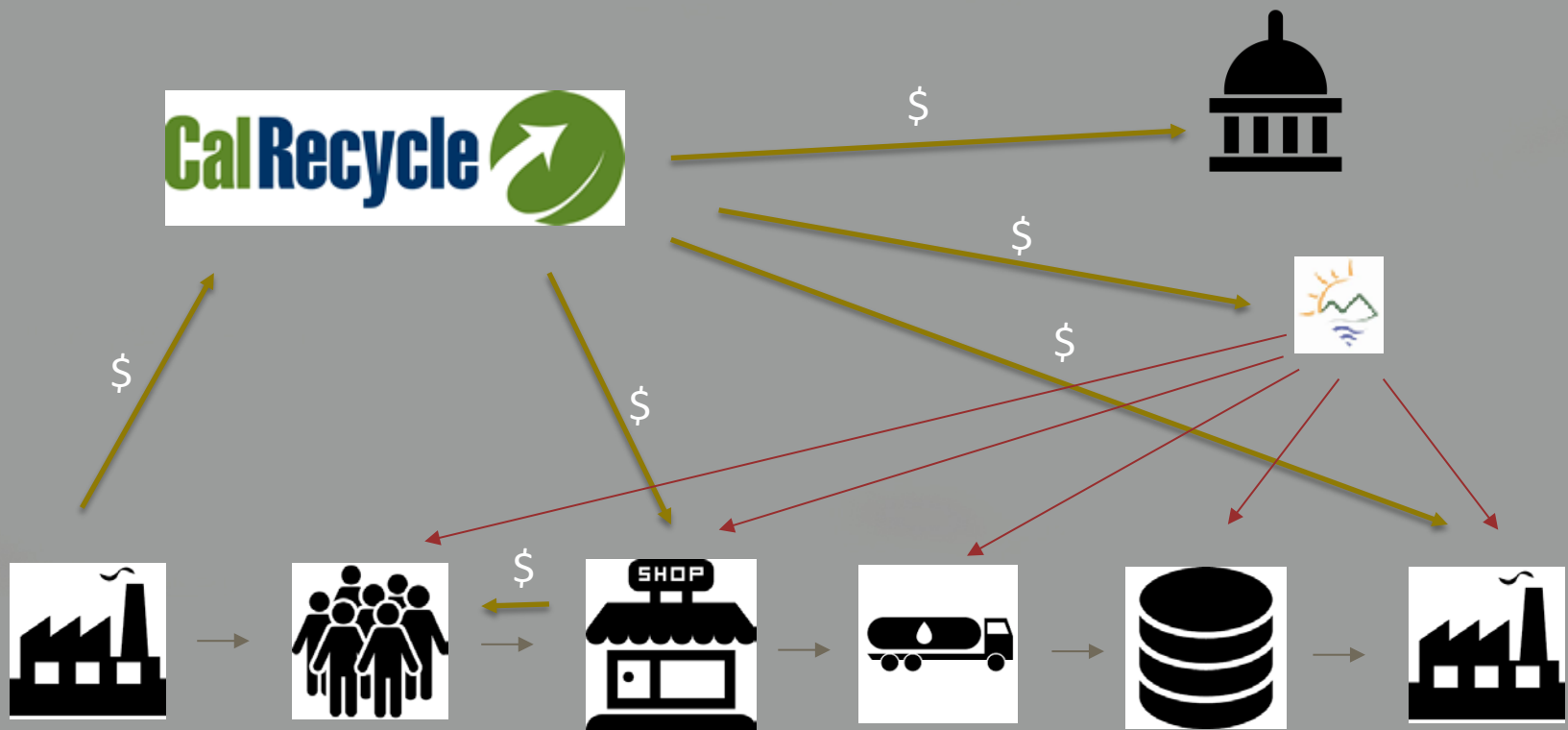


# What happens to Used Oil

- Recycled Fuel Oil (RFO)
- Marine Diesel Oil (MDO)
- Re-refined into new base oils









## DTSC

## CalRecycle

Oversees regulatory program

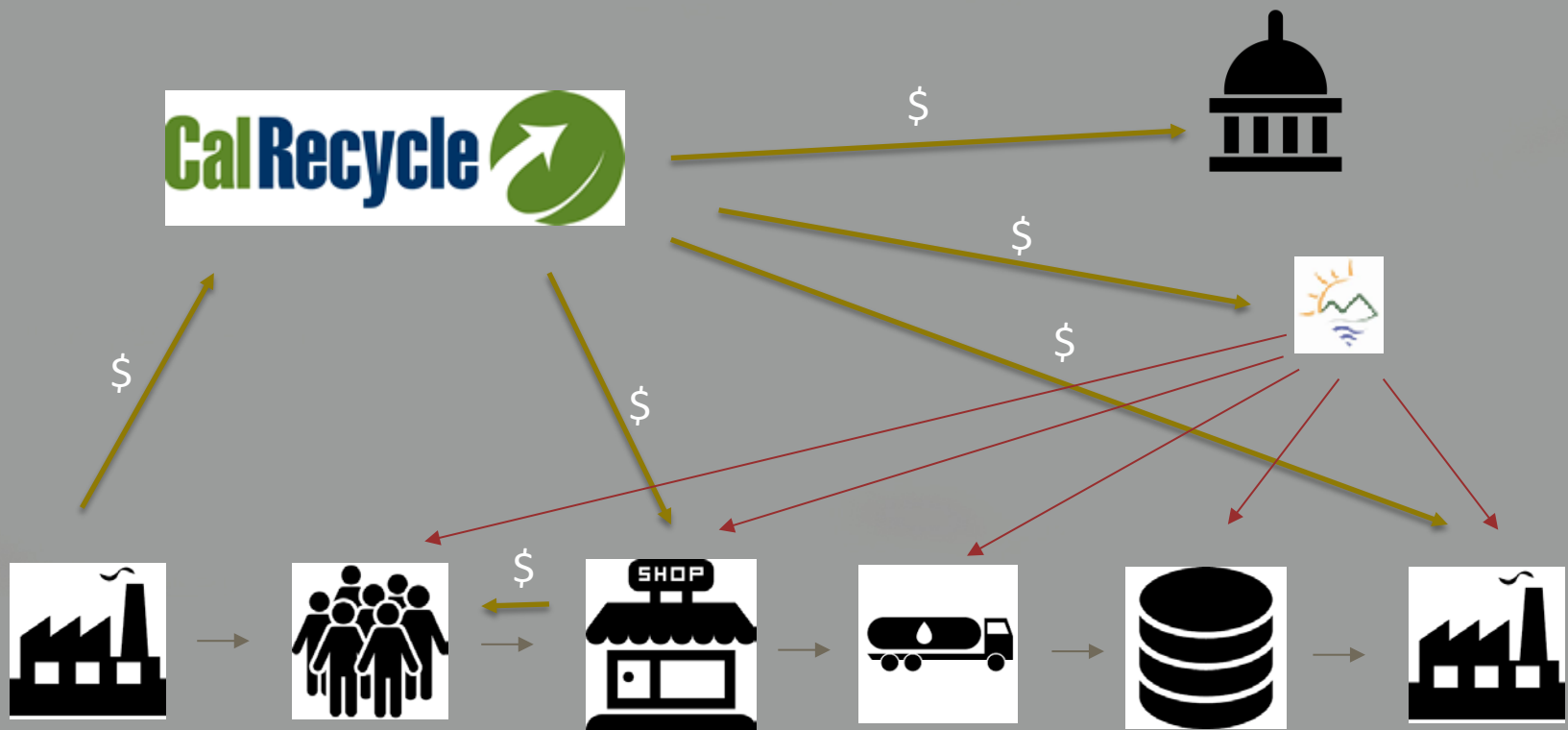
Oversees used oil recycling incentive program

Conducts inspections and enforcement actions on used oil haulers, transfer stations, and recycling facilities

Provides payments to local governments for used oil recycling programs

Health and Safety Code

Public Resources Code





# Haulers

- Approximately 130-150 used oil haulers
- Prior to 2009, haulers were inspected once every 25 years
- Since 2009, haulers are inspected once every 10 years



# Transfer Facilities

- Approximately 14 used oil transfer facilities
- Prior to 2009, transfer facilities were inspected once every 5 years
- Currently inspected once every other year



# Recycling Facilities

- Three dedicated used oil recycling facilities
- Prior to 2009, recycling facilities were inspected once a year
- Currently inspected twice a year
  - Annual inspection
  - Enhanced/Focused inspection



# What is Used Oil?

“Oil that has been refined from crude oil, or any synthetic oil, that has been used, and as a result of use or as a consequence of extended storage, or spillage, has been contaminated with physical or chemical impurities”

CA HSC §25250.1



# What is Used Oil?

## Additional Criteria:

- Flashpoint > 100 degrees F
- PCBs < 5 ppm
- Total halogens < 1000 ppm



# Oil Product

**Oil includes, but is not limited to, the following:**

➤ **Automotive Oils**

- Engine lubrication
- Gear oil

➤ **Industrial Oils**

- Hydraulic machinery
- Compressors
- Transformers

➤ **Other Oils**

- Transformer Oils
- Refrigeration oils
- Metalworking oils
- Railroad oils



# Not Oil

- Antifreeze
- Brake fluid
- Other automotive wastes
- Fuels
- Solvents
- Food oil





# Lubricating Oil vs Industrial Oil

## Lubricating oil:

- Subject to fees and incentives
- PRC §48618

## Industrial oil:

- No fees or incentives
- PRC §48616



# Lubricating Oil vs Industrial Oil

## Lubricating oil:

- Crankcase oil
- Engine oil
- Transmission fluid
- Gearbox and differential oils
- Gear oils

## Industrial oil:

- Hydraulic oil
- Compressor oil
- Turbine oil
- Bearing oil
- Refrigeration oil

