

# Electrified Parking Spaces (EPS)

## What?

- Also known as: Truck Stop Electrification Stations
- Stationary, off-board idling reduction technology that allow trucks to “plug” into electric grids to power their cabins.
- There are two types:
  - » Single unit EPS supply power and climate control from on off-board HVAC unit from above each parking space.
  - » Dual unit EPS allow trucks to plug into the grid to power their cabins, but require that HVAC units for climate control be installed on the truck itself.



## Why?

- Idle reduction will remove thousands of toxic chemicals and particulates from our air, greatly improving the respiratory health of the Lower West Side.
- It will also almost eliminate the amount of emissions truck drivers inhale inside the cabin while idling.
- Eliminating idling trucks reduces the amount of noise pollution burdening the neighbors of the Peace Bridge.
- Truck idling reduction saves money!
  - » An hour of idling consumes a gallon of diesel at \$3.83 a gallon (Oct. 2011) - idling for 8 hours = 30.64 x 300 days a year (on average) = \$9,192 spent while a driver is just sleeping
  - » Plugging into a grid costs about \$2.45 an hour, \$19.60 for 8 hours, and \$5,880 a year - saving, at least, \$3,312 a truck a year.
  - » Idling also increases engine wear requiring additional costs in repairs and replacement
- Reduction in idling reduces the amount of oil consumed in the United States- lowering our foreign dependence, as well as reducing our contribution to greenhouse gas emissions