



Idle Reduction: Utility Package &

Independence Package

-How to reduce fuel consumption and green your fleet.

By: Robyn Knocke



Introduction

Conservation through Innovation

Power Solutions Company

Remote power

inverter/generator replacement, light towers, hybrid mobile trailer, perpetual power trailer.

Consulting

energy efficiency, carbon auditing/consulting, project management, technology integration, grant writing.

Power Integration

large scale load leveling, micro grid, peak shaving, blink less supply, demand curtailment, renewable practicality.

Design

Located in Austin, Texas



Fleet Challenges- Why its important to you

Our line of fleet products have been proven to address the following challenges that you are facing.

1. Environmental Pressures

- Legislative, federal, state, local, air quality, less dependence on petroleum, EPA, TCEQ, etc

2. Unpredictable Fuel Costs

- Hedge uncertainty in commodity markets; energy

3. Fleet Maintenance

- Less idle time = less maintenance time = more production time per dollar invested or higher fleet optimization score

4. Dead Batteries

- Lower internal fleet cost, decrease carbon footprint



Reduced Emissions

Paradigm shift from singular to holistic approach, on the heels of a Argonne Lab study of light duty vehicles.

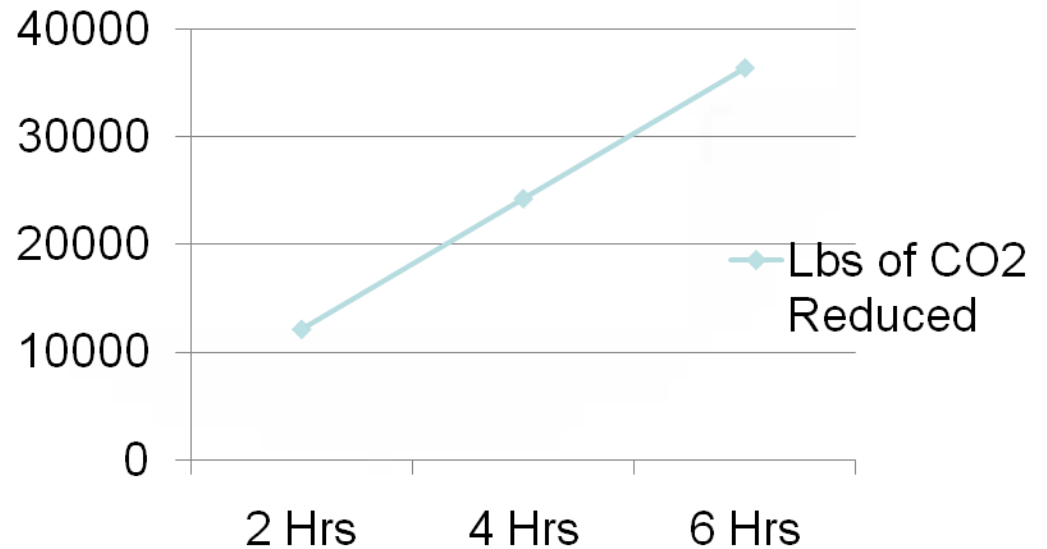
- 20lbs of CO₂ is created per gallon of gasoline burned.
- Small to Medium Duty Fleets create over 23 billion pounds of emissions annually, idling.
- Annual Emissions Profile logged by Argonne
 - 11 million tons of carbon dioxide
 - 200,000 tons of nitrogen oxide
 - 5,000 tons of particulate matter



CO2 Reduced Annually



Lbs of CO2 Reduced



Assumptions:

1 Gallon of Gasoline Burned
creates 23 lbs of CO2 –
EPA

22 work days/month

1 gal gas burned/hour idled



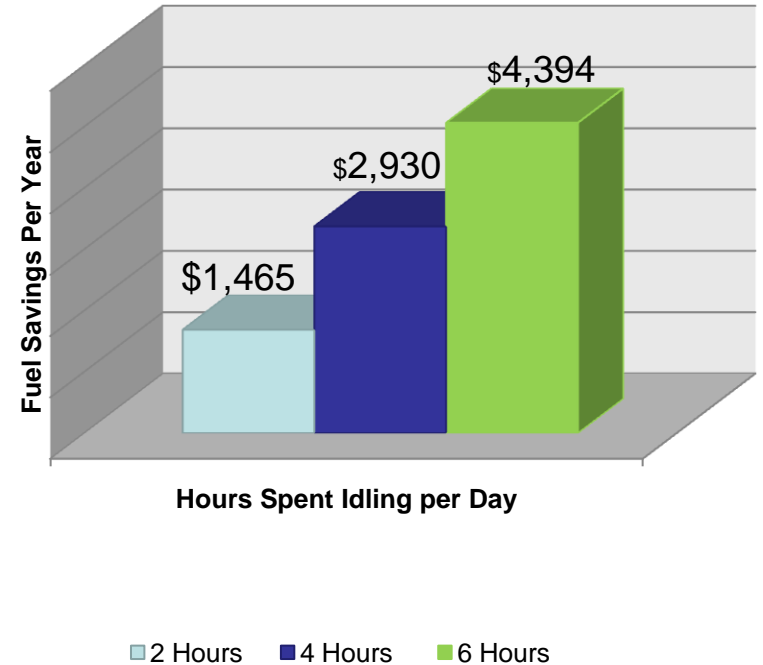
Fuel Cost 1992 - 2009



Hedge erratic fuel cost



Annual Fuel Savings



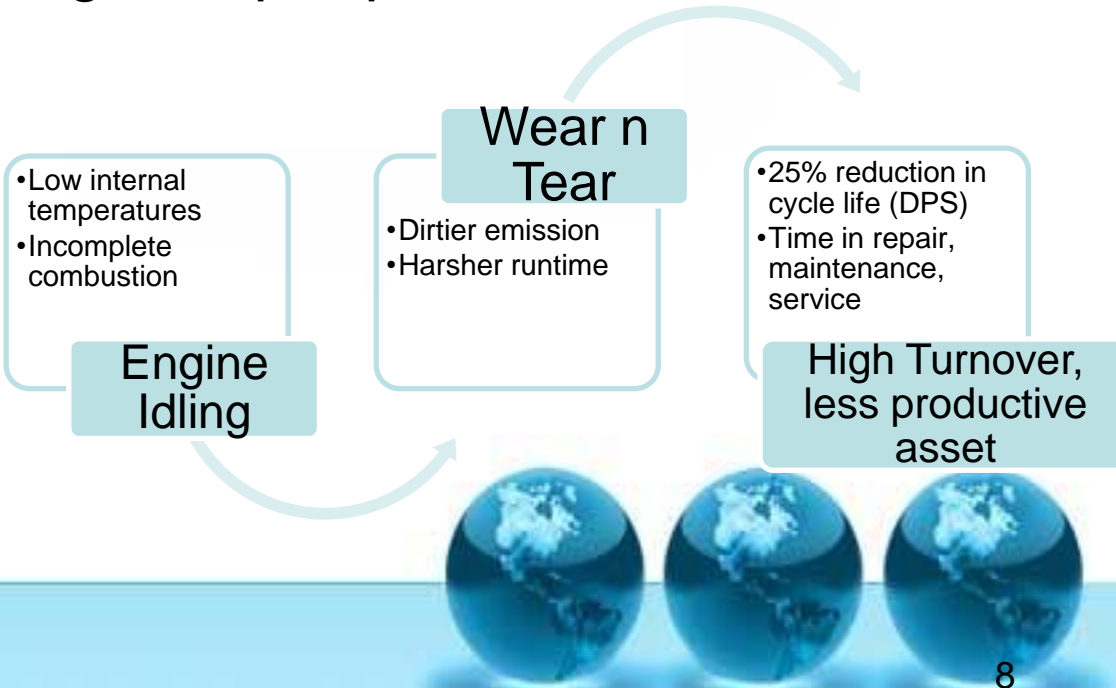
Assumptions:
\$2.86/gallon – avg. for past yr DOE
.97 gal burned / hour idled
22 work days / month



-Escalating Cost- Fleet Maintenance

Each hour idled equates 35 miles driven
on your engine.

Idling=Subpar performance





So we know there is a problem, but how do we come to a solution without compromising work quantity or quality?





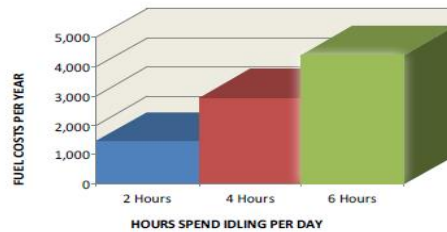
INDEPENDENCE PACKAGE

ANTI-IDLING TECHNOLOGY

- **SAVE FUEL**
- **SAVE MONEY**
- **ELIMINATE EMISSIONS**



FUEL SAVED BY ENERGY XTREME



BY PREVENTING JUST 2 HOURS OF ENGINE IDLE PER DAY A FLEET OF 100 SAVES \$147,000 IN FUEL COSTS.

ASSUMPTIONS:

Rate of Consumption up to: .75 Gallons/Hour
Work Days Per Year up to: 300
Fuel Costs up to: \$3.26/Gallon (DOE 2008 US Average)

- **4+ HOURS RUN TIME WITH FULL ELECTRICAL LOAD**

- **CHARGES WHILE YOU DRIVE**
- **SAVE ENGINE WEAR AND TEAR**
- **FITS INTO EXISTING TRUNK TRAY**
- **100% REDUNDANCY - NO DEAD BATTERIES**
- **VERY LOW MAINTENANCE**
- **SILENT OPERATION**
- **RECYCLABLE**
- **PROVIDES MAINTENANCE CYCLE EXTENSION**

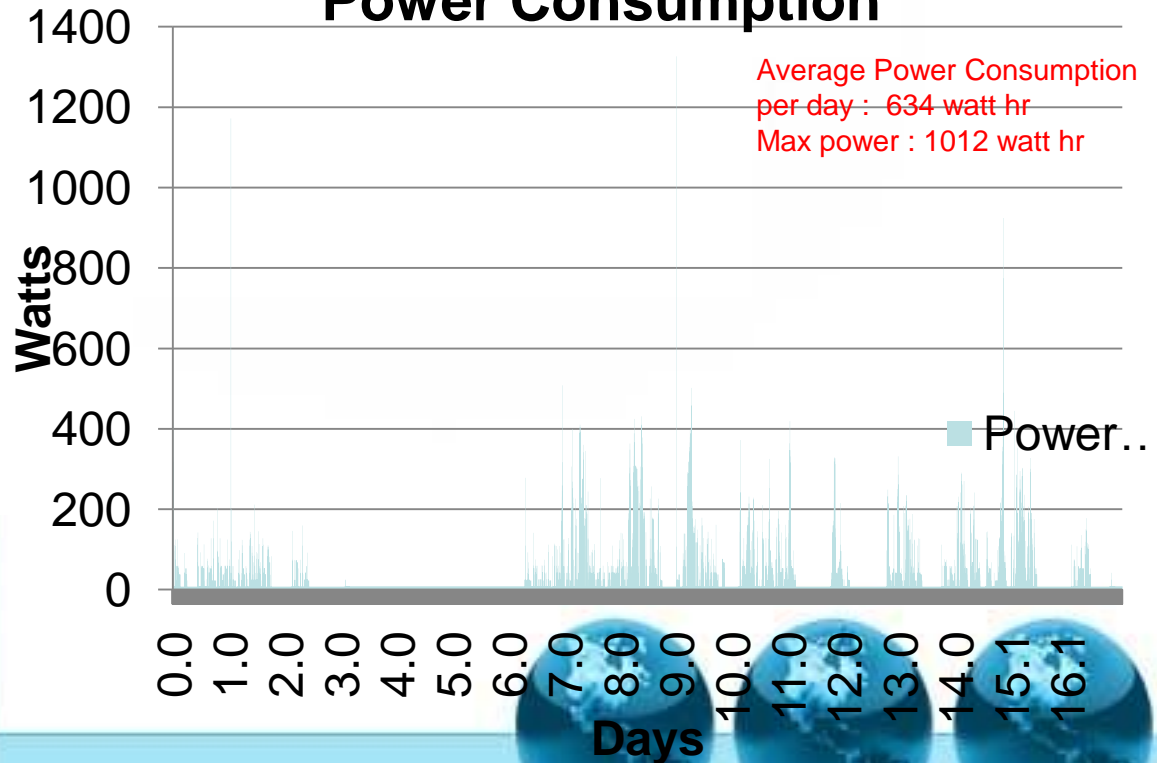


Environmentally Friendly Made in USA 2 YR Warranty

Dallas PD Pilot Program Empiracle Data

- Average use 4.85 hours/day
- Saved \$11+ / day on fuel
- Reduced 73 lbs of CO2
- Eliminated 170 ghost miles per day

Power Consumption

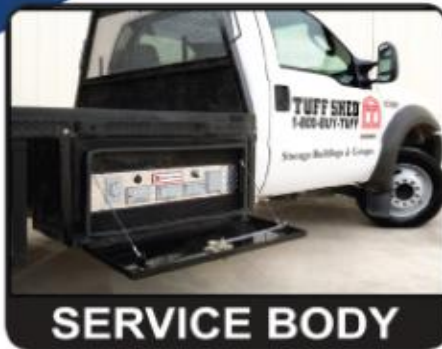


ENERGY XTREME

CONSERVATION THROUGH INNOVATION

ENERGY XTREME

CONSERVATION THROUGH INNOVATION



SERVICE BODY

- > REPLACES GENERATOR OR INVERTER
- > NO ENGINE IDLE NECESSARY
- > CHARGES WHILE YOU DRIVE
- > SAFE TO RUN INDOORS



ANTI-IDLING TECHNOLOGY

SAVE FUEL • SAVE MONEY • ELIMINATE EMISSIONS



Environmentally
Friendly

Made in
USA

2 YR
Warranty



LIGHT DUTY FLEET



CRUISER IDLE REDUCTION



UTILITY / SERVICE TRUCK

2215 WESTLAKE DR.
SECOND FLOOR
AUSTIN TEXAS 78746

OFFICE (877)800-7676
FAX (512)617-7904
WWW.XTREMEINFO.ORG

Storage Technology



- VERY SAFE
- NO EMISSIONS
- Requires NO FUEL
- Non-Hazmat, dry, solid state
- No Moving Parts
- No Maintenance
- Highly Resilient; abuse tested: short circuit, high current, high temp (130)
- Excels at 24/7 operations
- Recyclable
- Runs Silent
- 5 year life
- Provides Mobile Emergency Power



Proprietary software

Reports Environmental Impact quarterly

1. Annual report on operational and **environmental impact.**
 - Methodology is carbon accreditation pending, CCAR
2. Reported quarterly
 - GHG Emission Reduction
 - ROI
 - Fuel Savings



Summary

- 4+ hours of run time of full electrical load
- Charges while you drive
- **NO EMISSIONS**
- Save on fuel costs
- Save engine wear and tear
- 100% redundancy – **NO DEAD BATTERIES**
- Zero maintenance
- Silent Operation
- 98% recyclable
- Gun shot safe
- Abuse tested



How to Purchase

1-49 Units	\$3,950
50-149 Units	\$3,650
150+ Units	\$3,450

877-800-7676

Info@EnergyXtreme.net

www.EnergyXtreme.net



Purchasing Options

1. Grants

- Energy Efficiency Conservation Block Grants
- Energy Xtreme's Grant Writer

2. Lease to Purchase

3. DIR—State contract

