

### READ OUR TIPS AND TRICKS THAT FLEETS CAN IMPLEMENT TO IMPROVE FUEL EFFICIENCY AND REDUCE FUEL-RELATED COSTS. HERE ARE A FEW ADJUSTMENTS THAT YOU CAN MAKE TO YOUR FLEET TO STOP WASTING FUEL AND START SAVING MONEY

7 TIPS TO IMPROVE FUEL EFFICIENCY

1. STOP IDLING

## AND OPERATE IN-CAB APPLIANCES. BUT. DID YOU KNOW THAT...

TRUCK DRIVERS IDLE ENGINES TO KEEP THE ENGINE BLOCK WARM, HEAT AND COOL THE CABIN



ENGINE<sup>1</sup>. 2. USE ANTI-IDLE DEVICES



CONSTITUTES **NEARLY 8% OF** TOTAL FUEL USE<sup>2</sup>.

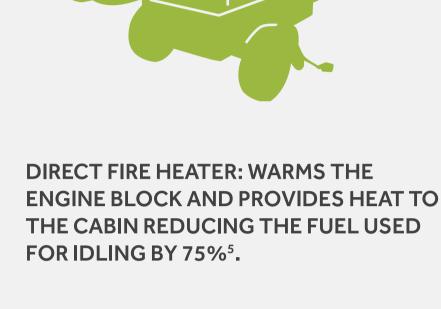


STATES EACH YEAR<sup>3</sup>.



DIRECT FIRE HEATERS AND AUXILIARY POWER UNITS (APUS) ARE INSTALLED IN AROUND 36% OF

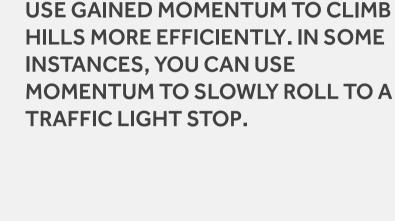
SLEEPER CABS TODAY AND HELP REDUCE IDLING-RELATED FUEL CONSUMPTION<sup>4</sup>.



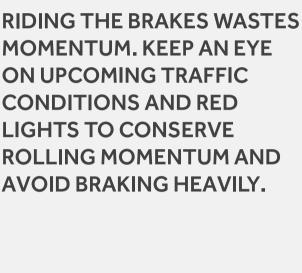
3. STOP HARD BRAKING AND SPEEDING USE YOUR MOMENTUM TO MAXIMIZE FUEL EFFICIENCY6.



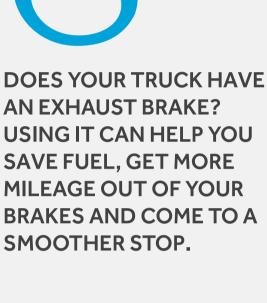
TRUCK IS STOPPED<sup>5</sup>.



BETWEEN 10% AND 30%<sup>7</sup>.



RULE OF THUMB: EVERY TIME YOU CHANGE UP A GEAR YOU IMPROVE FUEL EFFICIENCY BY 4. MAINTAIN OPTIMAL SPEED EFFICIENCY



**6** FUEL ECONOMY DECREASES BY 0.5 MPG FOR EVERY 5 MPH A TRUCK DRIVES OVER 55 MPH. 55 80 60 65 70 75



65MPG

WITH THE FLOW OF TRAFFIC.

65 MPH IS RECOGNIZED AS

HIGHWAY TRUCK TRAVEL.

FOR ANY FLEET<sup>8</sup>.

THE IDEAL SPEED FOR

TO BALANCE SPEED

**MPH** 

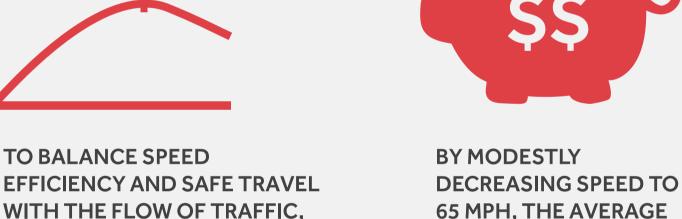
TRUCKS ACHIEVE THE GREATEST FUEL **EFFICIENCY WHEN TRAVELING AT AROUND 55** MPH, THOUGH THIS SPEED IS TOO SLOW FOR SAFE TRAVEL ON MANY HIGHWAYS IN THE

AS TRUCKS MOVE FASTER, AERODYNAMIC DRAG

IMPACTING SPEED AND FUEL EFFICIENCY.

UNITED STATES.

INCREASES BY A POWER OF THREE, SIGNIFICANTLY



**ACCELERATES OR BRAKES** AS NEEDED IN A SMOOTH

ROUTE AHEAD OF TIME<sup>9</sup>.

**PROFILE (RAPID** 

FUEL).

**ACCELERATION REQUIRES** 

MORE POWER AND MORE



**VEHICLE CAN ACHIEVE A** 

**FUEL SAVING OF \$7.200** 

ANNUALLY.

REDUCES COLLISIONS BY ALLOWING TRUCKS TO MAINTAIN A SAFE CRUISING DISTANCE FROM THE VEHICLES AHEAD OF THEM AND ENSURING ADEQUATE BRAKING DISTANCE AT VARIOUS SPEEDS.



PROVIDES LANE **DEPARTURE WARNINGS AND BLIND SPOT** 

MONITORING.

# 6. MAP OUT ROUTES

GETTING STUCK IN UNNECESSARY TRAFFIC OR TAKING A WRONG TURN CAN END UP COSTING A LOT IN FUEL. AVOID SOME OF THESE GAS-GUZZLING SITUATIONS BY MAPPING OUT YOUR BEST

SOME INTERSECTIONS AND TURNS ARE FUNDAMENTALLY UNSAFE. RESEARCHING AND

COMPILING INFORMATION ON THE LOCATIONS OF CRASHES CAN HIGHLIGHT WHICH

APPROVED FUELING LOCATIONS. TO PLAN THE MOST APPROPRIATE TRIP, INPUT THE

TRUCK-APPROVED NAVIGATION SYSTEMS HELP PLAN ROUTES THAT AVOID ONE-WAY

**FOLLOWING INFO TO YOUR GPS:** 

ROUTES SHOULD BE AVOIDED WHEN DESIGNING ROUTES.



GPS TRACKING AND MOBILE FLEET MANAGEMENT SYSTEMS CAN PROVIDE DRASTIC

IMPROVEMENTS IN FUEL EFFICIENCY AND PROFITABILITY. THE FOLLOWING IMPROVEMENTS

WERE MADE WHEN GPS TRACKING WAS IMPLEMENTED IN A SAMPLE SET OF 97 TRUCKS<sup>10</sup>:

**AVERAGE OF 117** 

**SPEEDING VIOLATIONS** 

**SPEEDING EVENTS PER** 

THE IDLE TIMES WENT

FROM AN AVERAGE OF

**468 HOURS PER WEEK** 

**TO AN AVERAGE OF 72** 

HOURS A WEEK.

PER WEEK DOWN TO

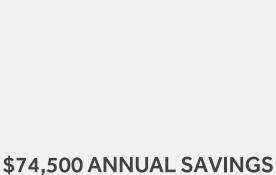
**AN AVERAGE OF 3** 

WEEK.

STREETS, LOW BRIDGES, UNNECESSARY TURNS AND TRAFFIC AND HELP FIND



**TOTAL ANNUAL SAVINGS = \$200,000** 



\$124,000 ANNUAL SAVINGS

1. http://www.edf.org/transportation/reports/idling 2. http://www.transportation.anl.gov/pdfs/TA/373.pdf

3. http://www.epa.gov/reg3artd/diesel/truck\_idling\_fs.pdf

- 4. http://www.atri-online.org/research/results/Idle%20Reduction%20Technology%20Fleet%2 OPreferences%20Survey.pdf 5. http://www.carbonwarroom.com/sites/default/files/reports/Unlocking%20Fuel%20Saving%
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