VERIDAPT

Always **Innovating.** Always **Reliable.**

ROI Calculator
Fuel Management
Client User Guide

Table of Contents

1. Introduction
2. Getting Started
3. Input Field Definitions
4. Understanding Your Results
5. Best Practices
6. Troubleshooting
7. Contact Information
8. Document Information

+ 61 2 8075 2222 sales@veridapt.com

Introduction

The Fuel Management Calculator is a web-based tool designed to assess your current fuel operations efficiency and identify potential cost savings opportunities. This calculator evaluates multiple operational factors to provide projections for:

- Annual fuel cost savings potential
- Capital optimisation opportunities
- Tax credit capture improvements
- Overall operational efficiency scoring

Who Should Use This Calculator

- Fleet managers and operations directors
- Mining, rail and industrial companies
- Large-scale fuel consumers (>1M gallons or >2M litres monthly)
- Financial analysts evaluating fuel management investments
- Procurement teams assessing FMS vendor proposals

What You'll Learn

- Your current operational efficiency score (0-100%)
- Potential annual savings
- Capital reduction opportunities
- Tax credit optimisation potential
- Regional benchmarking insights

+ 61 2 8075 2222 sales@veridapt.com

Getting Started

Before You Begin

Gather the following information:

- Monthly fuel consumption (gallons or litres) at mine site
- Current fuel cost per unit
- Available fuel tax credits per unit (if any)
- Number of mobile fueling trucks at mine site
- Onsite storage capacity from all fuel storage tanks
- General assessment of current fuel and maintenance operational practices

Quick Start Steps

1. Open the calculator in a supported browser
2. Select your region and preferred units
3. Enter basic fuel consumption and cost data
4. Assess your current operational state
5. Click "Calculate Savings Potential"
6. Review your results and download the PDF report

+ 61 2 8075 2222 sales@veridapt.com

Input Field Definitions

Basic Information Section

Unit System

- **Purpose:** Sets measurement system for calculations
- **Options:**
  - Gallons
  - Litres
- **Note:** All subsequent fuel measurements will use selected unit

Currency

- **Purpose:** Displays results in your local currency
- **Options:**
  - US Dollar ($)
  - Canadian Dollar (C$)
  - Australian Dollar (A$)
  - Euro (€)

Monthly Fuel Usage for mine site

- **Options (Gallons):**

Small	<500K-1M gallons
Medium	500K-1M gallons
Large	1-4M gallons
Enterprise	>4M gallons

+ 61 2 8075 2222 sales@veridapt.com

- **Options (Litres):**

Small	<2M litres
Medium	2-4M litres
Large	4-15M litres
Enterprise	>15M litres

Fuel Cost per Unit

Should reflect your current average fuel cost per gallon/liter including delivery

Tax Credit per Unit

- **Purpose:** Review capture of government incentives or rebates
- **Input:** Between $0.00 and $25.00 • Must be less than fuel cost per unit
- **Note:** Enter 0 if no tax credits available

Current Operating State Section

Fuel Security

- **Purpose:** Assesses theft prevention and loss control measures
- **Options:**

Low - Manual Reconciliation	Basic security, frequent theft/loss
Medium - Tank Level Monitoring	Some security measures, occasional issues
High - RFID Vehicle Tracking	Good security, minimal theft/loss
Optimized - RFID Vehicle and Personnel:	Comprehensive security system

Fuel Reconciliation Accuracy

- **Purpose:** Measures ability to account for every drop of fuel
- **Definition:** If you purchase 100 units, how many can you track in records?
- **Options:**

Under 85%	Significant tracking gaps
85%-92%	Moderate accuracy
92%-99%	Good accuracy
Over 99%	Excellent accuracy

Refueling Optimization

- **Purpose:** Evaluates efficiency of fuel delivery to equipment
- **Options:**

Low	Frequent equipment downtime, low flow rates, no visibility of grease & lubricants
Medium	Some downtime, flow rate issues, poor visibility of grease & lubricants
High	PM and flow rates effective, good visibility of grease & lubricants
Optimized	Real-time monitoring, accurate visibility of grease & lubricants

Preventative Maintenance Effectiveness

- **Purpose:** Assesses equipment downtime and grease/lubricant maintenance habits
- **Options:**

Low	No visibility of grease & lubricants
Medium	Poor visibility of grease & lubricants
High	Good visibility of grease & lubricants

+ 61 2 8075 2222 sales@veridapt.com

Optimized	Accurate visibility of grease & lubricants

Fuel Tax Credit Capture

- **Purpose:** Measures effectiveness at claiming available government credits
- **Options:**

Unsure	Don't know current capture rate
Under 80%	Claiming less than 80% of available credits
80%-95%	Claiming most but not all credits
Over 95%	Claiming nearly all available credits

Number of Mobile Fueling Service Trucks

- **Purpose:** Counts dedicated fuel transport vehicles
- **Input:** Whole number
- **Capital Impact:** Optimization can reduce fleet size needs

Onsite Storage Capacity

- **Purpose:** Measures fuel inventory holding capacity and inventory costs
- **Input:** Thousands of units (e.g., 87.5 for 87,500 gallons)
- **Impact:** Higher optimization levels reduce required inventory
- **Capital Impact:** Inventory reduction creates working capital benefits

+ 61 2 8075 2222 sales@veridapt.com

Understanding Your Results

Primary Metrics

Efficiency Score (0-100%)

Interpretation:

0-49%	Don't know current capture rate
50-69%	Claiming less than 80% of available credits
70-84%	Claiming most but not all credits
85-94%	Claiming nearly all available credits
95-100%	Very good performance, some improvement potential

+ 61 2 8075 2222 sales@veridapt.com

Best Practices

Data Collection

1. **Accurate Baseline:** Ensure current measurements are precise
2. **Recent Data:** Use data from last 6-12 months for accuracy
3. **Include All Costs:** Factor in delivery, handling, and storage costs
4. **Document Assumptions:** Keep notes on estimates for future reference

Assessment Honesty

1. **Realistic Self-Evaluation:** Be honest about current performance levels
2. **Avoid Optimism Bias:** Don't overstate current capabilities
3. **Include All Issues:** Account for seasonal variations and problems
4. **Multiple Perspectives:** Get input from operations, finance, and management

Results Utilisation

1. **Baseline Documentation:** Save results for future comparison
2. **Business Case Development:** Use projections for investment justification
3. **Vendor Discussions:** Share results with potential solution providers
4. **Performance Tracking:** Establish metrics for improvement monitoring

Implementation Planning

1. **Phased Approach:** Start with highest ROI, lowest risk improvements
2. **Change Management:** Plan for operational and cultural changes
3. **Technology Integration:** Ensure new systems work with existing infrastructure
4. **Training Requirements:** Budget for staff training and adoption time

+ 61 2 8075 2222 sales@veridapt.com

Troubleshooting

Common Input Errors

"Please fill in all required fields"

- **Cause:** Missing selections in dropdown menus or empty number fields
- **Solution:** Review all sections and ensure every field has a value
- **Note:** Tax credit can be 0, but must be entered as "0"

"Tax Credit must be less than cost per unit"

- **Cause:** Tax credit amount exceeds fuel cost per unit
- **Solution:** Verify both values are correct and in same currency
- **Note:** Tax credits cannot exceed the actual fuel cost

"Mobile Truck must be between 0 and 10000"

- **Cause:** Mobile truck count exceeds maximum allowed value
- **Solution:** Enter a realistic number of mobile fueling trucks (0-10,000)

"On Site Storage must be between 0 and 100,000,000"

- **Cause:** Storage capacity exceeds maximum allowed value
- **Solution:** Enter storage capacity in thousands of units (max 100 million)

"Fuel Cost between 0.01 and 50.00"

- **Cause:** Fuel cost outside acceptable range
- **Solution:** Enter realistic fuel cost between $0.01 and $50.00 per unit

+ 61 2 8075 2222 sales@veridapt.com

"Tax Credit must be between 0 and 25"

- **Cause:** Tax credit amount outside acceptable range
- **Solution:** Enter tax credit between $0.00 and $25.00 per unit

Technical Issues

Calculator Not Loading

- **Solution:** Refresh page, check internet connection, try different browser
- **Compatibility:** Works with Chrome, Firefox, Safari, Edge (latest versions)

Data Validation Rules

1. All percentage fields must be 0-100
2. Currency amounts must be positive numbers
3. Tax credits cannot exceed fuel cost per unit
4. Fuel usage must be selected from predefined ranges
5. All dropdown selections must be valid options
6. Mobile trucks: 0-10,000 vehicles
7. Onsite storage: 0-100,000,000 units (thousands)
8. Fuel cost: $0.01-$50.00 per unit
9. Tax credit: $0.00-$25.00 per unit

Security and Privacy

- No personal data is stored or transmitted
- All calculations performed locally in browser
- No cookies or tracking technologies used
- Safe for use on corporate networks

+ 61 2 8075 2222 sales@veridapt.com

- PDF generation handled client-side

+ 61 2 8075 2222 sales@veridapt.com

Contact Information

Technical Support

For technical issues or questions about the calculator:

- Email: support@veridapt.com

Sales and Consultation

For business discussions or implementation planning:

- General Inquiries: info@veridapt.com
- Website: www.veridapt.com/contact-us

Resources

- Fuel Management Case Studies: www.veridapt.com/case-studies

Document Information

- Version: 2.1
- Last Updated: Aug 7, 2025

This user guide is designed to maximize the value you receive from the Fuel Management Calculator. The calculator is designed to provide general assessment of savings potential based on industry and proprietary data. Potential savings depend on a wide range of factors. Please contact us at info@veridapt.com or www.veridapt.com/contact-us *to discuss your particular operating conditions.*

+ 61 2 8075 2222 sales@veridapt.com