

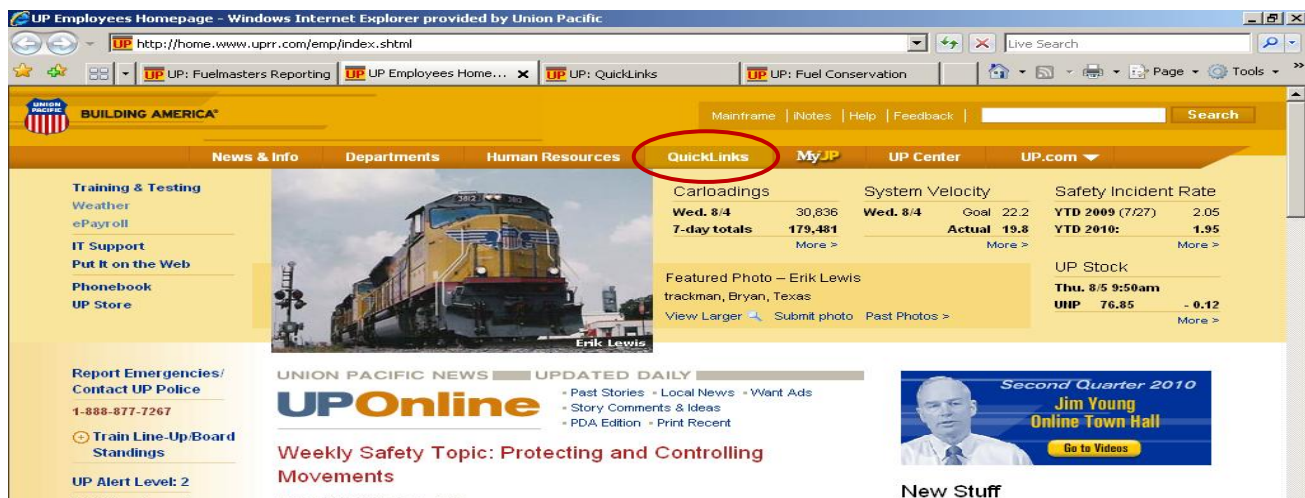
Fuel Conservation Web Page Tutorial

Union Pacific spent nearly 1.7 billion dollars to purchase fuel last year alone, using over 2.7 million gallons per day to fuel its fleet. As fuel prices soar and environmental concerns rise, fuel conservation is more important now than ever. Engineers are encouraged to run their trains safely and efficiently because their engagement is a key factor in conservation.

The Fuel Conservation Web Page provides a number of analysis tools for managers and engineers to track engagement and progress. This tutorial will highlight those tools.

Getting to the Fuel Conservation Web Page

Log on to the Union Pacific Employees Site, and then click on the QuickLinks button on the main page toolbar.



Under the Programs heading, you'll find the link to the Fuel Conservation Website. Click that link to go there.

- CONAH
- DREAM
- Employee Clubs
- LEAD
- LEN
- Rail Talkers - Omaha
- Running Club
- UPRR Chorale
- UP Ties
- YWCA
- CLC Approved Hotel List

For dialing long distance from office phones

- [OnDemand](#)
OnDemand access to RDMS
- [Voicemail Web Access](#)

Organizations/Employee Engagement

- [BEN](#)
Black Employees Network
- [CONAH](#)
Council of Native American Heritage
- [DREAM](#)
(Direction, Recruitment, Education and Mentoring)
- [Employee Clubs](#)
- [Friend to Friend Network](#)

Programs

- [Employee Assistance Program](#)
EAP helps provide short-term counseling, guidance and referral services for employees and their families who are experiencing personal or work-related problems.
- [Peer Support](#)
Friendship and support to peers who experience a disabling injury, family illness, death, or other crisis that might arise.
- [Fuel Conservation](#)
Includes Fuel Masters
- [UP Brand Identity](#)

Safety

- [Material Safety Data Sheets \(MSDS\)](#)

From the Fuel Conservation home page, you can explore many different applications and sources of information about our program under 8 different categories. This tutorial will give a brief explanation of each of those applications under each heading. For a more detailed tutorial on our applications, please access the application and click on the tutorial link.

Engineer Performance

- [2009 Annual Awards](#) 142K   A
- [Engineer Scorecard](#)  B
- [Throttle Profiles](#)  C
- [Isolated & Shutdown Unit Reporting](#)  D

Under Engineer Performance are links that engineers can use to track their progress.

- A. This is a document listing the annual awards from 2009
- B. The engineer scorecard is where engineers can see information regarding their runs. This tool shows how well engineers are doing on every run, what their average contribution (in gallons) is for the month, and how much they've been awarded year to date. Please refer to the tutorial within the application for more information.
- C. Throttle profiles is a tool that can be used to compare an individual engineer's throttle usage to the throttle usage of the top 10% of fuel saving engineers on the same run and with the same commodity. Please refer to the tutorial within the application for more information.
- D. The Isolated & Shutdown Unit Reporting application can and should be used whenever an engineer has either isolated or shutdown a unit during a run. Please refer to the tutorial within the application for more information.

Fuel Conservation Information

- [Fuel Conservation Handbook](#)  A
PB-26300
- [Conservation Tips](#)  B
- [Web Page Tutorial](#) 767K   C
A guide to using the Fuel Conservation Web page and its applications
- [Fuel Burn Matrices](#)  D
A guide for improving gallons contributed
- [Train Handling Guidelines](#)  E
Fuel conservation fog charts

This section is the best place to find tips and guide engineers to get greater contributions per run, yielding better payouts.

- A. The first link is the Fuel Conservation Handbook. The handbook is an electronic version of the booklet that discusses how much fuel the Union Pacific Railroad actually uses on an annual basis, tips for conserving fuel, and a quick comparison of fuel consumption rates of different unit types.
- B. Conservation Tips discusses some advice on saving fuel.
- C. The Web Page Tutorial is what you are reading right now.
- D. The Fuel Burn Matrices Application is one of the best tools offered on this web page. The matrices show at what point engineers aren't contributing or taking away gallons. It is best used before a trip to see what the zero point is. Any time an engineer burns less fuel than is listed on the matrix, they are contributing gallons to the pool. Please refer to the tutorial within the application for more information.
- E. Train Handling Guidelines is a link to fog charts for most areas of the UP network. They can be used for learning or improving knowledge of a territory.

Fuel Masters Unlimited

- [About FMU](#) ← A
- [Calculations & Payout Process](#) ← B
- [July Engineer Rankings](#) 754K  ← C
Updated on July 28th
- [Awards Manager](#) ← D
Online Management of FMU Payouts
- [eCount Reloadable Cards](#) EXIT ► ← E
Account balance & transaction history
- [Estimated Month-To-Date Data](#) ← F
- [FMU Q & A](#) ← G

Under the Fuel Masters Unlimited heading, you can find details about the program, how we do payouts, the current rankings sheets, and a questions and answers section.

- A. About FMU is a quick description of the program itself.
- B. Calculations & Payout Process describes how we pay engineers monthly and how that money is earned by the engineers.
- C. The Engineer Rankings will show the monthly rankings for each pool and show how much money each of the pools have earned.
- D. Awards Manger is a tool I-Teams use to distribute the money that engineers have earned throughout the previous month. The information created here eventually gets transferred to the Engineer Rankings.
- E. eCount Reloadable Cards is an external link to Citibank site for the reloadable cards. You can check you balance, manage your account, and view recent purchases at this site.
- F. Estimated Month-To-Date Data is an application used to see how well a run is doing throughout the month instead of waiting until awards are released to find out.
- G. FMU Q & A is a great reference for help with questions engineers may have about the program or what to do in certain situations.

News / Upcoming Events

- [Fuel Conservation Newsletter](#) ← A
Updated August 2010
- [Service Unit Fuel Master Newsletters](#) ← B

The News / Upcoming Events section includes links that provide a convenient way to access newsletters electronically.

- A. The Fuel Conservation Newsletter is a newsletter that discusses a few topics monthly about the program or ways service units are trying to improve fuel usage and the people behind those efforts. New improvements and applications are also highlighted in the Fuel Conservation Monthly Newsletter.
- B. Some Service Units produce their own newsletters and the Service Unit Fuel Master Newsletters link allows access to those electronically.

News / Upcoming Events (cont'd)

- [Fuel Conservation in the News](#) ← C
Updated May 12, 2010

- C. Sometimes the Fuel Conservation Group is in news that is published by members outside of our group. This is a good place to read about efforts that go beyond the FMU program.

Locomotive Shutdown

- [Locomotive Shutdown Handbook](#) 442K   A
PB-26269
- [Service Unit Shutdown Process Documents](#)  B
- [Locomotive System Shops Shutdown Policy](#) 32K   C
- [Locomotive Shutdown Auditing](#)  D
- [On-Board Systems Reports](#)  E
Shutdown Compliance - Terminal
- [On-Board Systems Reports](#)  F
Shutdown Compliance - Line Of Road
- [OptiTrac Idle Running Report](#)
New

Locomotive Shutdown is an important part of saving fuel for Union Pacific. Under Locomotive Shutdown, documents on shutdown process and procedures can be found as well as reports showing shutdown compliance.

- A. The Locomotive Shutdown Handbook is an electronic version of the process used to shutdown units on the line. It is a guide to remind you how to properly shut down a unit.
- B. Service Unit Shutdown Process Documents is a link for every service unit describing the process for shutting down a unit in that particular area.
- C. Locomotive System Shops Shutdown Policy is a document that describes when it is and is not okay to shut down units on the line.
- D. Locomotive Shutdown Auditing is a tool for auditing shutdowns. A user ID and password are required to use this application.
- E. There are two types of On-Board Systems Reports. The first is Shutdown compliance for Terminals. This report shows how compliant service units are at shutting down units within the terminals.
- F. The other report is for the Line of Road. This report shows how compliant service units are at shutting down units on the line.

Service Unit Performance

- [Engineer Performance by MOP](#)  A
- [DRO and MOP Performance Information](#)  B
- [Run Performance Charts](#)  C
- [Awards Manager Contribution](#)  D
Dot-Plots
- [Engineer Standings](#)  E
- [Fuel Team Checklist](#) 257K   F
- [MOP Fuel Checklist](#) 189K   G
- [Dashboards](#)  H

Service Unit Performance is a section that is dedicated to service units instead of individual engineer performance.

- A. Under Engineer Performance by MOP, a list of engineers under an MOP is shown describing their performance. Only certain people are authorized to use this application.
- B. DRO and MOP Performance Information is another application that focuses on DROs and MOPs performances based on the fuel conservation efforts of the engineers under them.
- C. Run Performance Charts is an application that will show the T8 percentage usage for a particular run.
- D. Awards Manager Contribution is an application used to examine how many engineers per particular service unit and run are either contributing or taking away from the pool. Please refer to the tutorial within the application for more information.
- E. Engineer Standings is a tool to see the ranking of engineers in terms of velocity and fuel contribution.

- F. Fuel Team Checklist is a document that Fuel I-Teams utilize to help engineers understand the website, fuel conservation tips, and how to maintain safety while saving fuel.
- G. MOP Fuel Checklist is similar to the Fuel Team Checklist, but with more objectives and goals.
- H. Dashboards are monthly report show how well a service unit is performing compared to other service units across the system. Their primary use is to see how well service units are improving, and to track their progress throughout the year. Please refer to the tutorial within the link for more information.

Communication

- [Fuel Conservation Contact List](#)  A
- [Comments](#)  B
- [Survey](#)  C

The last heading on the page is the Communication section.

- A. The Fuel Conservation Contact List displays the e-mails addresses and phone numbers of the members of the Fuel Conservation Group.
- B. The Comments link is a way to send an e-mail to the group inbox for the Fuel Conservation Group. Remember to include your name, e-mail address, and employee ID so we can effectively reply to any questions or concerns you have with our program.
- C. The Survey link is to give you the opportunity to let us know how you feel about our program with a scale. We appreciate your feedback.

The Fuel Conservation Page is frequently updated with new information, so please check back regularly and call or email with any questions:

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savefuel@up.com