

eReliability Tracker Software Leader User Guide

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Introduction

Log-in/Create an Account

You should have received a registration link that allows you to fill out the form yourself. When you click on the registration link, the screen shown to the right should open up.

Enter the required information, which includes:

- Email
- Username
- Password

Then you must read the terms and conditions and click the box to accept them.

Then click the “Create User” button.

If creating the account is successful, then the welcome page should open up and a green label should say that the account was successfully created.

Since your role (permission level) is “Leader,” the screen will have all of the tabs shown on the screen to the right.

The screenshot shows the 'Create New User' form in the eReliability Tracker application. The form is divided into two main sections: 'Create New User' on the left and 'Registering a new User' on the right. The 'Create New User' section includes fields for Email, Username (pre-filled with 'monica'), Password, Confirm Password, Role (a dropdown menu), and Utilities (a dropdown menu with 'TESST APPA Utility' selected). There are checkboxes for 'Receive email communications related to eReliability Tracker?' and 'Is Point of Contact', and a 'Timezone Offset' dropdown. At the bottom are 'Create User' and 'Cancel' buttons. The 'Registering a new User' section contains a text box with instructions and a 'Create Registration' button. The top navigation bar includes 'Home', 'Outages', 'Report', and 'Manage' tabs, with a user profile icon on the right.

The screenshot shows the welcome page of the eReliability Tracker application. The top navigation bar is identical to the previous screenshot. The main content area has a heading 'Welcome to the eReliability Tracker application' followed by a paragraph explaining the software's purpose and a link to the user guide. Below this is a section titled 'Please use the most up to date version of your preferred web browser' with a list of recommended browsers. The bottom of the page features the APPA logo and a small graphic of a power line.

Types of Users and Permissions

Spectator	This type of user has permissions to view the report and home tabs in the system.
Member	This includes people working in the field who can document outages and view reports.
Leader	Document outages, create profiles for utility personnel and can view and run reports.

Functions

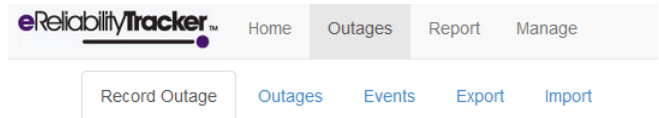
Home



At the top of the screen, there should be four tabs, “Home,” “Outages,” “Report,” and “Manage.” If you click home, then it will bring you back to the welcome screen that you started on.

Outages Tab

If you click “Outages,” five options will appear underneath the tabs (shown in the image on the right).



Record Outage Enter a new outage

Outages View all recorded outages

Events Lists all events (each outage is automatically entered as a single event, but outages can be combined to form one event for partial restorations or related outages)

Export Export all outages from a specific time period

Import Import previously recorded events from a CSV file

Record Outages

If you wish to record an outage, click on “Record Outage” and then fill out all of the required information on the form. The top portion of the page is required and the bottom portion contains fields for additional details that you can add for your own convenience.

Required Fields

Fields required in order to submit a report:

Address	<p>This field requires the address of the customer associated with the outage being reported.</p> <p>Ex: 1875 Connecticut Ave.</p>
Substation	<p>Substations perform as parts of a generation, transmission, and distribution system. It is an electric system facility.</p> <p>In the drop down menu, select the specific substation where the outage occurred.</p> <p>Utilities can use their own naming conventions when naming their substations (more thoroughly described in the Manage section of this manual).</p>
Circuit	<p>Also called feeders, circuits carry power to load areas from substations. A substation is comprised of a number of incoming and outgoing circuits connected to a bus-bar system. In addition to noting the substation, it is important to note which circuit in the specified substation was relevant to the outage.</p> <p>In the drop down menu, select the circuit on which the outage occurred.</p> <p>Utilities can use their own naming conventions when naming their circuits (more thoroughly described in the Manage section of this manual). Circuits are not automatically related to substations so be sure to use a good naming convention and select the proper circuit.</p>
Primary Cause	<p>In this field, there is a drop down menu with all of the causes of service interruption. It is important to fill out the correct primary cause so that you can analyze the reasons for the outages in your utility and take preventative measures for the future. It is also important to select the most exact cause of the outage. For example, if there is a storm and the wind blows a tree onto a line causing an outage, the tree should be selected as the cause of the outage.</p> <p>Every service provider may categorize causes differently, but as long as you stay consistent with your own method of categorizing them, you will be able to analyze the causes of your utility’s outages in the future. This cause list follows IEEE recommendations.</p> <p>In situations where the cause of the outage is unknown, the utility should do its best to develop substantial conclusions about the most likely cause based on analysis of similar past interruption events.</p>

Primary Cause : Scheduled	<p>This category includes interruptions that can safely be delayed by the utility personnel and customers can be notified in advance.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Customer Service</p> <ul style="list-style-type: none"> ▪ Non-Payment ▪ Relocation ▪ Repairs <p>Non-Customer Requests</p> <ul style="list-style-type: none"> ▪ Fire Department ▪ Police Department </div> <div style="width: 48%;"> <p>Non-Utility Construction</p> <ul style="list-style-type: none"> ▪ Commercial Construction <ul style="list-style-type: none"> ○ Non-Utility Employee ○ Contractor Dig-In ▪ Residential Construction ▪ Road Construction <p>Utility Maintenance and Repairs</p> <ul style="list-style-type: none"> ▪ Equipment Replacement ▪ Load Swap </div> </div>
Primary Cause: Unscheduled	<p>This category includes any interruption that is a result of the actions of the public.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Equipment</p> <ul style="list-style-type: none"> ▪ Electrical Failure ▪ Equipment Damage ▪ Equipment Worn Out ▪ Manufacturing Defect <p>Natural</p> <ul style="list-style-type: none"> ▪ Lightning <ul style="list-style-type: none"> ○ Direct Stroke ○ Lightning-Induced Flashover ○ Unknown/other ▪ Vegetation <ul style="list-style-type: none"> ○ Other ○ Tree ○ Vine ▪ Weather <ul style="list-style-type: none"> ○ Heat ○ Ice ○ Storm ○ Wind ▪ Wildlife <ul style="list-style-type: none"> ○ Bird ○ Other ○ Snake ○ Squirrel </div> <div style="width: 48%;"> <p>Power Supply</p> <ul style="list-style-type: none"> ▪ Failure of Greater Transmission ▪ Loss of Generating Unit ▪ Overloaded <p>Public</p> <ul style="list-style-type: none"> ▪ Contact with Foreign Object ▪ Human Accident ▪ Non-Utility Excavation ▪ Non-Utility Fire ▪ Vandalism ▪ Vehicle Accident <p>Unknown</p> <p>Utility Human Error</p> <ul style="list-style-type: none"> ▪ Construction ▪ Maintenance ▪ Operations </div> </div>
Number of Customers without Power	<p>Specify, for the utility being addressed, how many customers were without power during the outage being reported. Enter the value in numerical format.</p> <p>Ex: 158</p>

Time Outage Began	<p>Identify the most accurate time for when the outage began in military time.</p> <p>Ex: 05:00 AM</p>
Date Outage Began	<p>Indicate the specific date when the outage began.</p> <p>The format should be: mm/dd/yyyy or you can click on the calendar icon to select the date.</p> <p>Ex: 02/16/2012</p>
Time Outage Ended	<p>Identify the most accurate time for when the outage ended in military time.</p> <p>Ex: 06:00 AM</p>
Date Outage Ended	<p>Identify the specific date when the outage ended.</p> <p>The format should be: mm/dd/yyyy or you can click on the calendar icon to select the date.</p> <p>Ex: 02/17/2012</p>
Is Partial Restoration?	<p>Partial restoration is a way to note that this recorded outage is one of several related to a single restoration event.</p> <p>Check the box if the outage is partially restored. Don't forget to group partial restorations of outages together in the "Events" tab.</p>
<p><i>System Characteristics</i></p> <p>Fields not required in order to submit a report (these are additional details that are recommended to be filled out)</p>	
Descriptive Characteristics	<p>Describe the utility's electrical distribution system.</p> <p>Options: Underground or Overhead</p> <p>Electrical distribution systems were traditionally overhead; however, now there are many systems that have been converted to an underground distribution system. Choose whether the utility the outage report is being made for is an underground or overhead electrical distribution system.</p>
System Voltage at Site	<p>The voltage information should be based on the highest voltage level affected by the outage event.</p>
Circuit Type	<p>Choose the type of circuit that your utility system uses.</p> <p>Options include: Radial, primary loop, primary selective, secondary selective, and spot network</p> <ul style="list-style-type: none"> ○ Radial-This is the most common and simple distribution system. It can be completely overhead or underground. It is connected to only one source of power. ○ Primary loop-also known as open ring system. Provides power from two feeders. ○ Primary selective-This type of circuit uses some of the same basic components as the primary loop. Ahead of the consumer's transformer, an automatic switch is provided, which helps to limit interruptions in the event of loss of feeder. ○ Secondary selective-This system uses two transformers from two different primary feeders. Unlike the primary selective system, it uses low voltage switching. This system is generally used for industrial plants. ○ Spot networks-This system is very similar to a closed ring system. It is a network, which means

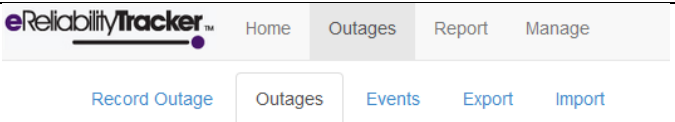
	that it utilizes two or more transformer units in parallel. It is most commonly used in high load density areas.
Phases Impacted	<p>A three-phase electric power system is a type of polyphase system. It is a common method of electric power transmission and tends to be a much smoother form of electricity than the single or two phase systems.</p> <p>Select in the drop down menu exactly which phases (which overhead line(s)) were affected by the outage.</p> <p>Options include any combination of phase 1, 2, and 3 (A, B, and C).</p>
Load Interrupted (in kVA)	This is the value, in kilovolt-amperes, of connected load interruptions.
Miscellaneous Details Fields not required in order to submit a report (these are additional details that are recommended to be filled out)	
Key accounts without power	These are the key customers for which the utility wants to track service and reliability levels. These customers can be referenced when creating a new outage. Information on how these customers can be created can be found under the Manage section of this manual.
How was the outage reported	Options include: Customer call-in, Outage Management System, and Other
Total work hours to complete restoration	<p>Identify how many work hours it took to complete total restoration of the utility. Enter value in numerical format.</p> <p>Ex: 5.</p>
Total Customers	Number of customers served by utility.
Work Details	
Equipment Action	This identifies if the notes or equipment used relative to the outage are for restoration, repair, replacement, or a work detail.
Equipment	This is the actual equipment used. The list is drawn from the equipment list created in the Manage section.
Notes	This area is for notes related to the restoration, repair, replacement, or work details for an outage.

How to record an outage:

Once the required information, and addition details, are filled out, click “Create Outage” and you will be automatically taken to the list of outages that you have for your utility. If the addition was successful, there should be a green label at the top of the page that says it was successfully added.

From that page, if you wish to record another outage, click on “Create New Outage” on the top right corner of the page, which will take you back to the form to record a new outage.

Outages



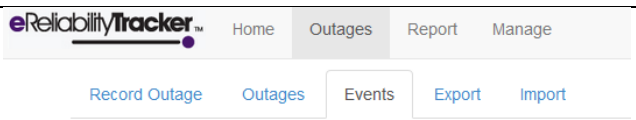
If you click on “Outages” sub tab you will be taken to the listing of recorded outages for your utility. From this page, you may click on “Create an Outage” to record another outage. You can also search, edit, or delete the recorded outages.

When searching for an outage, all eight (8) fields you see listed across the screen will be searched as you type into the search box. For a more detailed report you will want to use the Export function to create a spreadsheet.

On this “Outages” page, you have the ability to delete outages by placing checks next to the outages you would like to delete and then clicking on the “Bulk Action” drop down menu and selecting “Delete Selected Outages.” Caution: once an outage is deleted it is deleted permanently from the system.

By clicking on any of the outages, you can edit the details that were recorded for them. This page displays the following details of the listed outages: address, utility, substation, circuit, customers out.

Events



If you click on “Events,” you will come across a page with a listing of all of the events that have been recorded for your utility. The details of each event shown on this page include: name, outages involved, and start date. An event is a collection of outages, typically partial restorations related to single outages.

On this page, you have the ability to delete events by placing checks next to the events you would like to delete and then clicking on the “Bulk Action” drop down menu and selecting “Delete Selected Events.”

By clicking on one of the events, you may edit the name of the event, edit any of the outages involved with the event, or sort the outages listed. This is a good way to group partial outages together to be treated as one event in the system.

To sort the outages listed within an event, you have to click the boxes of those outages that you would like to move, and click the “Bulk Action” drop down menu, and then choose either “Separate Selected Outages into Unique Event” or “Delete Selected Outages.”

Once you are done with any changes on this page, click “Update Event” and a green label should appear on the top of the screen that says the modification was successful.

Select	Name	Outages Involved	Start Date
<input type="checkbox"/>	11111 checking lines	1	06/02/2015
<input type="checkbox"/>	momentary outage	1	05/08/2014
<input type="checkbox"/>	down on the corner part 2	1	05/05/2014
<input type="checkbox"/>	down on the corner part 1	1	05/05/2014
<input type="checkbox"/>	2900 K SE NORTHWEST	1	08/05/2013
<input type="checkbox"/>	1350 MASSACHUSETTS AVE NORTHWEST	1	08/05/2013
<input type="checkbox"/>	2735 OLIVE SE NORTHWEST	1	08/05/2013
<input type="checkbox"/>	1310 RHODE ISLAND AVE NORTHWEST	1	08/05/2013
<input type="checkbox"/>	751 P SE NORTHWEST	1	08/05/2013
<input type="checkbox"/>	2735 OLIVE SE NORTHWEST	1	08/05/2013
<input type="checkbox"/>	2501 PENNSYLVANIA AVE NORTHWEST	1	08/27/2013
<input type="checkbox"/>	2500 Q SE NORTHWEST	1	08/27/2013
<input type="checkbox"/>	2900 K SE NORTHWEST	1	08/26/2013
<input type="checkbox"/>	1718 P SE NORTHWEST	1	07/15/2013
<input type="checkbox"/>	1718 P SE NORTHWEST	1	07/13/2013
<input type="checkbox"/>	2116 12TH SE NORTHWEST	1	07/13/2013
<input type="checkbox"/>	2220 20TH SE NORTHWEST	3	07/13/2013
<input type="checkbox"/>	2220 20TH SE NORTHWEST	1	07/12/2013
<input type="checkbox"/>	1701 16TH SE NORTHWEST	1	07/11/2013
<input type="checkbox"/>	1310 RHODE ISLAND AVE NORTHWEST	1	07/11/2013
<input type="checkbox"/>	2446 MASSACHUSETTS AVE NORTHWEST	1	07/10/2013
<input type="checkbox"/>	1707 S SE NORTHWEST	8	07/10/2013
<input type="checkbox"/>	1706 Q SE NORTHWEST	1	07/10/2013
<input type="checkbox"/>	1825 FLORIDA AVE NORTHWEST	1	05/01/2013
<input type="checkbox"/>	1111 25TH SE NORTHWEST	1	04/29/2013
<input type="checkbox"/>	30TH SE NORTHWEST	1	12/30/2012
<input type="checkbox"/>	2700 VIRGINIA AVE NORTHWEST	1	12/30/2012

Export

Only Leaders are able to view this button. When you click on “Export” you will see two boxes where you can input the date range of the outages you want reported. Once you’ve chosen your dates click the export button to see all your data in a spreadsheet format. You may want to export data to perform additional analysis.

eReliabilityTracker
Home
Outages
Report
Manage

Record Outage
Outages
Events
Export
Import

Export Outages

Earliest start date of outage

Latest start date of outage

Export Outages

Import

Use this function to upload any data you already have recorded into this eReliability software. The spreadsheet you upload should be arranged in the following way in CSV format (**please note that there cannot be any headers in the spreadsheet you are trying to import**):

Note: the cause ID is a number and corresponds to the following table:

Cause number ID

0	Supply to City
1	Overhead Equipment Failure
2	Underground Equipment Failure
3	Weather
4	Birds, Animals, Snakes, etc.
5	Trees
6	Foreign Interference
7	Human
8	Other
9	Unknown
10	Vehicle

The screenshot displays the eReliabilityTracker web application. The top navigation bar includes links for Home, Outages, Report, and Manage. Below this, a secondary navigation bar highlights 'Record Outage', 'Outages', 'Events', 'Export', and 'Import'. The 'Import' tab is selected, leading to a page titled 'Import CSV Data From Reliability Tracker 6.2'. This page contains a 'CSV File:' section with a 'Choose File' button and a 'No file chosen' status. Below this is an 'Import Outages' button and a 'Cancel' button. To the right, a text block explains the import process, noting that data should be in CSV format with specific column headers: 1. Utility Name, 2. SKI, 3. Address, 4. Cause ID, 5. Start Time, 6. End Time, 7. Customers Out, 8. Total Customers. A second section, 'Import CSV Data - Advanced', also features a 'Choose File' button and a 'No file chosen' status, with a 'Import Outages' button and a 'Cancel' button. A detailed text block on the right explains that this function is for importing significantly more data (up to and including all data that can be entered in the Record Outage form) and that the CSV file should be arranged in the same format produced by the Export function. It also mentions that a CSV file with proper headers can be downloaded from the system and that users should refer to the manual for additional information on column names.

Manage

efReliabilityTracker

Home

Outages

Report

Manage

Utilities

Users

Causes

When you click “Manage” two options will appear underneath the tabs (shown in the image on the right).

Utilities:

If you click on “Utilities” a list of all your utilities will be displayed. This page shows the name of each utility and whether it is active. By clicking on one of the utilities, you may edit the name, address, or number of customers for that utility. Editing the number of customers is important because it is used for reports.

On this page, you have the ability to search and/or delete utilities; however, you do not have the authorization to add new utilities. To delete, you have to click the boxes of those utilities that you would like to remove, click the “Bulk Action” drop down menu, and then choose “Delete Selected Utilities.” **Do not delete your utility. Deletion is permanent and you will lose all your data.**

When editing your utility, on the right-hand side of the screen you will see an option to edit your utility’s substations, customers and equipment. By clicking on one of these three options you can create a new substation, customer or equipment by then clicking on the respective “Create New...” button on the top right-hand side of the new screen. Once you’ve added the necessary information click the blue Create Substation, Create Customer or Create Equipment button.

Edit Utility

Name: TEST APPA Utility

Address: 1875 Connecticut Ave, NW, Suite 1200

City: Washington

State: District Of Columbia

Zip Code: 20009

Is Active: ☒

Applify ID: 1234

Total Customers: 22000

Note on Total Customers: The number of customers served by the utility must be entered correctly and updated as needed. This number is used for outage-related reports.

Update Utility

Cancel

Edit Substations

Edit Customers

Edit Equipment

Within the Substation screen you can add or edit your utility’s circuits. By clicking on the button on the top right-hand side of the screen where it says “Create New Circuit” you will be able to create a new circuit. If you already have a circuit entered in the system you are able to edit it by clicking the name of the circuit in the list of circuits.

Edit Substation

Name: Central Substation

Update Substation

Cancel

Edit Circuits

Through the Edit Customers screen you can add or edit your utility’s customers. These customers are often the key accounts that a utility wants to keep track of. By clicking on the button on the top right-hand side of the screen where it says Create New Customer you will be able to create a new customer. If you already have a customer entered in the system you are able to edit it by clicking the name of the customer. These customers are also referred to as your key accounts on the outage page.

In the Edit Equipment screen you can either use the defaults listed or click the "Create New Equipment" button on the top right-hand side of your screen to name a new piece of equipment. If the new equipment does not fall under any of the categories already listed on the equipment screen, leave the Parent menu blank (-----) and enter the name of your equipment. If the new equipment is related to a piece of equipment already listed choose that similar equipment as the Parent when creating a new equipment record.

	A	B
1	Equipment	Parent Equipment
2	Stapler	Office
3	"Truck, Red"	Vehicles
4	Wiring	cabinet
5	10102654	somehting
6	Mouse	Laptop Computer
7	Laptop Mouse	Laptop Computer
8	sub- something	something
9		

You also have the ability to import a list of equipment your utility already uses by using the Import Equipment CSV button on the top right-hand side of your screen. Any files uploaded should have the same formatting as found in the image to the right (**please note that there cannot be any headers in the spreadsheet you are trying to import**).

Import Equipment CSV

CSV File: No file selected.

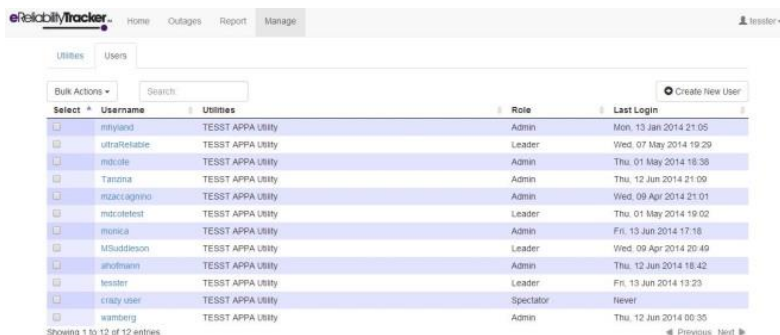
Users:

If you click on the “Users” tab a list of all the users for your utilities will be displayed. The details that will be displayed for each user are their username, the utilities they are associated with, their role (permission level), whether they are active, and their last login time.

On this page, you have the ability to search, delete, and/or add users.

Delete User:

To delete users, you have to click the check boxes of those utilities that you would like to remove, click the “Bulk Action” drop down menu, and then choose “Delete Selected Users.” Caution: users are permanently deleted.

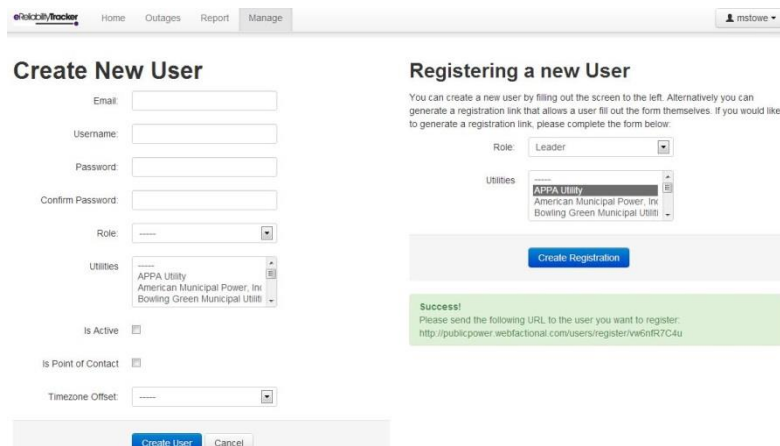


Select	Username	Utilities	Role	Last Login
<input type="checkbox"/>	mtyland	TESST APPA Utility	Admin	Mon, 13 Jan 2014 21:05
<input type="checkbox"/>	ultraReliable	TESST APPA Utility	Leader	Wed, 07 May 2014 19:29
<input type="checkbox"/>	mdcote	TESST APPA Utility	Admin	Thu, 01 May 2014 18:38
<input type="checkbox"/>	Tanona	TESST APPA Utility	Admin	Thu, 12 Jun 2014 21:09
<input type="checkbox"/>	msccagnino	TESST APPA Utility	Admin	Wed, 09 Apr 2014 21:01
<input type="checkbox"/>	mdcotelest	TESST APPA Utility	Leader	Thu, 01 May 2014 19:02
<input type="checkbox"/>	msnaka	TESST APPA Utility	Admin	Fri, 13 Jun 2014 17:18
<input type="checkbox"/>	Msaddleson	TESST APPA Utility	Leader	Wed, 09 Apr 2014 20:49
<input type="checkbox"/>	shutman	TESST APPA Utility	Admin	Thu, 12 Jun 2014 18:42
<input type="checkbox"/>	tesster	TESST APPA Utility	Leader	Fri, 13 Jun 2014 13:23
<input type="checkbox"/>	crazy user	TESST APPA Utility	Spectator	Never
<input type="checkbox"/>	wamberg	TESST APPA Utility	Admin	Thu, 12 Jun 2014 00:35

Showing 1 to 12 of 12 entries

Add User:

To add users, you have to click the “Create New User” button on the top right of the table. The page will display two forms (shown to the right). If you wish to create the new user yourself, then fill out the form on the left and click “Create User” when you are done.



Create New User

Email:

Username:

Password:

Confirm Password:

Role:

Utilities:

Is Active: ☐

Is Point of Contact: ☐

Timezone Offset:

Registering a new User

You can create a new user by filling out the screen to the left. Alternatively you can generate a registration link that allows a user fill out the form themselves. If you would like to generate a registration link, please complete the form below:

Role:

Utilities:

Success!
Please send the following URL to the user you want to register:
<http://publicpower.webfactional.com/users/register/vw6nR7C4u>

The best method is to assign the new user to create his/her own account (their own username/password). To assign a new user use the form on the right. Fill out the information required and then click “Create Registration.” Once clicked, a green text box should appear below the “Create Registration” button with a registration link. Send this link to the user that wishes to create an account. The new user should follow the link and fill out the required information to create an account.

Report

eReliabilityTracker

Home

Outages

Report

Manage

IEEE 1366 Statistics

SAIDI

CAIDI

SAIFI

Outage Causes

Circuit Ranking

Cause Pie Chart

Reports are used to display data visually. Reports can be essential to discovering problem areas and identifying the most severe outages.

IEEE 1366 Statistics

This report will provide you with: ASAI, CAIDI, SAIDI, SAIFI

SAIDI

This report will provide you with your SAIDI and graph of your results

CAIDI

This report will provide you with your CAIDI and graph of your results

SAIFI

This report will provide you with your SAIFI and graph of your results

Outage Causes

This report will provide you with a list of outages based on if they are scheduled/unscheduled and their cause.

Circuit Ranking

This report will list your:

• Top 10 Circuits Ranked by Customer Minutes of Duration

• Top 10 Circuits Ranked by Customer Interruptions

Cause Pie Chart

This report will produce a pie chart of your outages grouped by outage cause or outage duration (in minutes).

Tree 44%

Other 12%

Lightning 12%

Construction 7%

Vehicle Accident 7%

Unknown 10%

Outage Cause

Count

View

Tree

30

Lightning

7

Construction

5

Vehicle Accident

5

Squirrel

4

Unknown

4

Electrical Failure

3

Equipment Worn Out

2

Failure of Greater Transmission

2

Wind

1

Non-Payment

1

Equipment Damage

1

Overloaded

1

Ice

1

Equipment

1

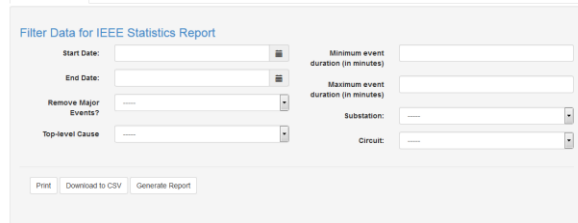
Total

68

Running Reports

For each type of report listed at the top of your screen, also seen to the right, you can view your utility's reliability statistics. Click which type of report you wish to run.

Each type of report form can be filled by basic information such as the date range you want a report from and/or which substation you want a report for. Once you tailor the information you want to review you have three options to view the data, print, download the report to a CSV file or generate the report directly on your screen.



Report Filters

Start Date

dd/mm/yyyy

End Date

dd/mm/yyyy

Remove Major Events

APPA Event Threshold: This threshold is calculated based on outages and removes outages that exceed the IEEE 2.5 beta threshold as calculated based directly on outages.

IEEE Day Threshold: This threshold is based on SAIDI-days (all of the outage events grouped together by day) and removes SAIDI-days where the IEEE 2.5 beta threshold is exceeded. The graph displays outage events, and after using this filter any outage event that occurred starting/occurring on a day where the SAIDI-day calculation exceeds the IEEE 2.5 beta threshold is removed.

Top Level Cause

Scheduled v. Unscheduled

Minimum Event Duration (in minutes)

Provide the minimum number of minutes

Maximum Event Duration (in minutes)

Provide the maximum number of minutes

Substation

Filter based on the substations that you added to your utility profile

Circuit

Filter based on the circuits that you added to your utility profile

(Cause Pie Chart Only)

This report will produce a pie chart of your outages grouped by outage cause or outage

Report on Outage

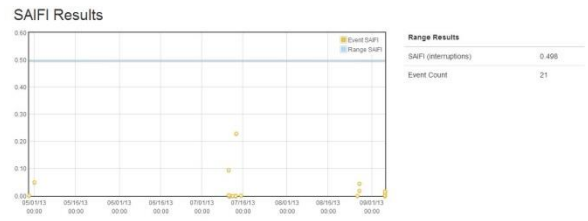
duration (in minutes).

Generating Report Results

For each type of report, after pressing the “generate report” button, a report will show up based on the information that you put in to the previous screen. You can run an infinite number of reports.

This form is used to access reports for SAIDI, CAIFI, SAIFI, Outage Causes, Circuit Ranking, and Cause Pie Chart. All reports are accessed the same way by inputting basic information about the report.

The best method is to assign the new user to create his/her own account (their own username/password). To assign a new user use the form on the right. Fill out the information required and then click “Create Registration.” Once clicked, a green text box should appear below the “Create Registration” button with a registration link. Send this link to the user that wishes to create an account. The new user should follow the link and fill out the required information to create an account.



Troubleshooting

If you have any troubles understanding this software, find a bug in the system, or for general eReliability Tracker™ questions, please contact reliability@PublicPower.org.