



# ODIN Subscription

Outage Data Initiative Nationwide (ODIN)

## Overview

The Outage Data Initiative Nationwide (ODIN) provides both an anonymous (non-authenticated) and authenticated API can be used to subscribe and get outage data information that is sent to us by utilities. We provide active / current outage information reported at the [FIPS county code level](#) via our non-authenticated public API and more granular outage information is made available from the authenticated API; however, the information we provide via the authenticated API depends upon the type of outage information we receive from the utility or OMS. ODIN receives outage event information either at the county, zip code, polygon, or point level of detail.

To see a list of all the utilities currently providing outage information to ODIN and the level of outage event detail that is available from that utility, we provide a publicly accessible endpoint that describes information via an HTTP GET call.

<https://odin.ornl.gov/odi/status>

## Historical Power Outage Information

If you would like access to historical power outage information from ODIN, we have a website called <https://openenergyhub.ornl.gov/> that makes accessing historical information from ODIN and other resources available to the public. However, to gain access to these datasets, you will need to create an account at <https://openenergyhub.ornl.gov/signup/> or by simply clicking on the “signup” link in the upper right-hand corner. When you fill in the information on the account screen, please enter a reason in the Message for Administrator field that says, “Requesting access to ODIN historical outage information.”

## Request registration to OpenEnergy Hub

Registration is required for users to view and download our open data tables. Users without account can still browse our data portal.

Email

Password

Minimum 12 characters, with at least one letter, one number and one special character.

Confirm password

Last name (optional)

First name (optional)

Message for the administrator

Requesting access to ODIN historical outage information

I accept the [terms and conditions](#) and [privacy policy](#) of the website.

I'm not a robot



Once your access is approved. Simply login to the website and click on the “Data” tab and under filters simply type in the keyword “ODIN” to pull up all the historical datasets that are available for ODIN. An example of what the search results returned should look like the pictured below.

## Accessing The ODIN API

We have APIs available that allows users to get current / real-time outage information from ODIN. For more information about the public and authenticated APIs, please view all our Open API documentation by simply visiting the link below.

<https://odin.ornl.gov/swagger-ui/index.html#/>

If you require access to ODIN’s secure API, you will need to need first request access [here](#) and follow the steps below to register and create your account. We ask that you fill in detailed contact information and the reason / justification for access in the description area so that the DOE can review and approve your access request in a timely manner.

### Step 1: New account registration

1. Go to the [ODIN website](#)
2. Click on “Login” button (see image at the bottom left) and then click on “Create New Account” (see image at the bottom right)

Read the White House Call to Action for real-time, standardized, and transparent power outage data

Welcome to **ODIN** Standardizing the exchange of customer power outage status in support of enhanced response and restoration activities

[View Outage Map](#)

[About ODIN](#) [ODIN FAQ](#) [Contact us](#)

U.S. Department of ENERGY OAK RIDGE National Laboratory  
Oak Ridge National Laboratory is managed by UT-Battelle LLC for the U.S. Department of Energy

# ODIN Login

All new user accounts created require review and approval prior to being activated. This approval process could take anywhere from one to two business days; however, most requests are usually processed the same day. If you are a new utility or OMS providing outage information to ODIN, please be sure to follow the steps outlined in the [Developer Guide](#) while performing integration. All new outage feeds should be processed through the [Test Environment](#) prior to production integration.

If you are a utility that would like to share outage information with ODIN, you will need to create an account with us first by clicking the link below.

[Create New Account](#)

If you have an existing account already and need to reset the password or access your account, you can view or change account information below.

[My Account](#)

3. Please provide all information requested on the form to register the account with ODIN. When completed, please click “Create Account.”

**ODIN** OUTAGE DATA INITIATIVE NATIONWIDE

First Name:  Last Name:

Username:  E-mail Address:

Password:  Confirm Password:

Organization:

Reason for request:

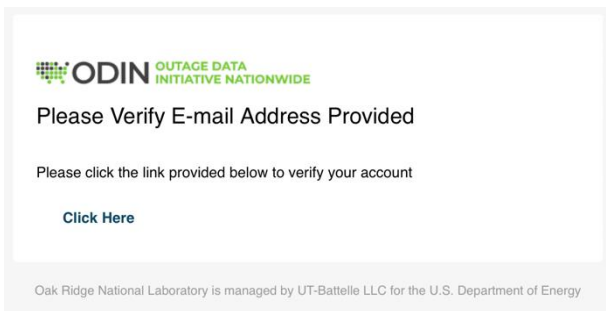
**Create Account**

U.S. DEPARTMENT OF ENERGY OAK RIDGE National Laboratory  
Oak Ridge National Laboratory is managed by UT-Battelle LLC for the U.S. Department of Energy

- Once the information is submitted a “User Account Created” message (see image at the bottom) will display on the screen.



- Check your email inbox for a verification email (this will come from an account called smtp\_rdseuser@ornl.gov with “ODIN” as the sender) and click on “Click Here” hyperlink to verify your address.



- Please allow the ODIN team 1-2 business days to review the registered account. Note that all requests to subscribe or pull authenticated ODIN endpoints will be reviewed and get approved by our DOE sponsor before you can proceed the next step.

