Public Data Portal Overview

10. Public Data Portal Overview

The DRGR Public Data Portal ("DRGR Public") – https://drgr.hud.gov/public/ – was developed to provide the public with access to the data captured and managed in DRGR – one that does not require the public user to make any special access or file requests to HUD. Figure 10-1 displays the DRGR Public Data Portal home page.

Any member of the public can now access information on grantees, responsible organizations, grants, action plans, and performance reports. Data is available via dashboards with interactive data visualization tools that enable users to view reports and data, at various aggregation levels. Users can also download PDF, Excel, and CSV formatted files. The DRGR application and MicroStrategy reporting engine are both capable of pushing files and reports to DRGR Public, allowing for a seamless data management process for the DRGR Super Users, who can control what dashboards and reports are published.

Figure 10-1: DRGR Public Home Page
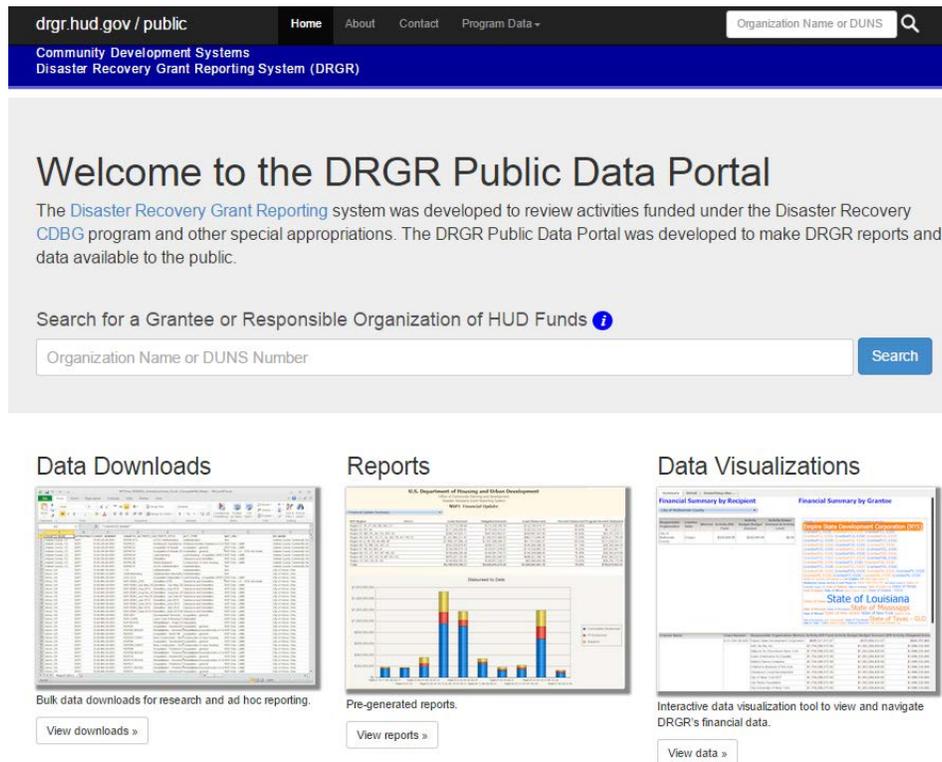
In addition, the DRGR Public Data Portal replaces prior methods of DRGR data accessibility to the public:

- Some members of the public were given view-only accounts to the DRGR application

- On request, spreadsheets containing extracts of DRGR data would be manually generated and given to journalists

- The publicly accessible OneCPD (now HUD Exchange) website would periodically host DRGR performance reports and action plans for the public to view

10.1 DRGR Public Data Portal At-A-Glance

The DRGR Public Data Portal allows users to:

- Search for and view grantees and responsible organizations
- Download PDF files of approved DRGR action plans and performance reports
- Download pre-generated data extracts and raw data files for off-line analysis
- Download pre-generated dashboards and reports
- Use an interactive data visualization tool to summarize and drill down into the data
- Download performance data for responsible organizations by activity type

10.2 DRGR Public Data Portal Main Features

The DRGR Public home page has four main features or "components" (Figure 10-2):

1. Grantee and Responsible Organization Search: Allows a search on either the partial or full organization name or DUNS Number. Provides access to individual Grantee Action Plans and Performance reports.
2. Data Download: Provides Excel and CSV files for download and off-line analysis.
3. Reports: Shows the list of various dashboards providing summary and detailed financial and performance data.
4. Data Visualization: Provides an interactive data visualization tool allowing users to analyze and explore data elements using non-conventional methods.

Figure 10-2: DRGR Public Home Page
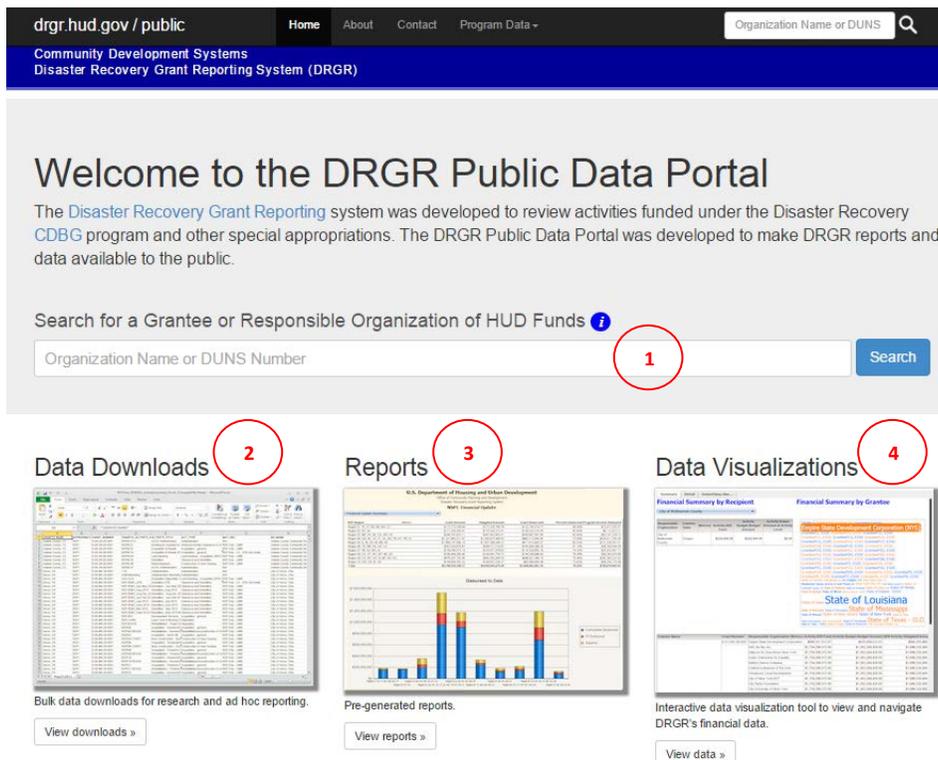
10.2.1 Grantee and Responsible Organization Search

The DRGR Public home page provides a search field (Figure 10-3) that accepts either the partial or full organization name or full DUNS Number. The search field also appears in the top navigation of all pages (Figure 10-4). Once the user enters their search criteria in the search field, the system returns a list of matching Grantees and Responsible Organizations (Figure 10-5).

Figure 10-3: Organization search form – home page

Figure 10-4: Organization search form – all pages

Figure 10-5: Organization search results

Upon selecting a Grantee from the search results, the Grantee screen lists that organization's grants and funding programs, grant award amount, action plan, performance reports, and a link to a list of associated responsible organizations (Figure 10-6).

Figure 10-6: Grantee

The associated Responsible Organizations screen lists all responsible organizations that are linked with a given Grantee (Figure 10-7).

Figure 10-7: Associated Responsible Organizations

Upon selecting a Responsible Organization, the screen shows the associated Grantee and allows users to request a report detailing the activities carried out by the selected responsible organization (Figure 10-8). Users can choose to generate the report for one or more specific activity types (Figure 10-9).

Figure 10-8: Responsible Organization

Figure 10-9: Responsible Organization Performance Report

U.S. Department of Housing and Urban Development
Office of Community Planning and Development
Disaster Recovery Grant Reporting System
Performance Report
Responsible Organization: City of New Orleans
Grantee: New Orleans, LA

Summary

Grant Number	Project Title	Activity Number	Activity Title	Budget	Program Funds Drawn	Program Income Drawn
Total				**$3,931,141.54**	**$2,564,046.81**	**$0.00**
B-13-MS-22-0001	Administrative- Round 1	GEN ADM-1	Administrative Activities	$304,000.00	$3,638.50	$0.00
B-13-MS-22-0001	Catch Basins Round 1	PC#35805	Magnum Construction Group	$1,611,143.04	$1,611,143.04	$0.00
B-13-MS-22-0001	Debris Removal Round 1	CK1707456	SAIC	$3,998.50	$3,998.50	$0.00
B-13-MS-22-0001	Debris Removal Round 1	FAL1	FAL-NOPD EMS FD	$1,065,000.00	$0.00	$0.00
B-13-MS-22-0001	Demolitions Round 1	PC#31260	Durr Construction	$617,000.00	$616,529.36	$0.00
B-13-MS-22-0001	Grant Oversight Round 1	PC#35900	N.O. Grants Managment Group-Demo	$44,000.00	$43,606.78	$0.00
B-13-MS-22-0001	Grant Oversight Round 1	PC#35900A	N.O. Grants Management Group-FAL	$119,000.00	$118,722.04	$0.00
B-13-MS-22-0001	Grant Oversight Round 1	PC#35900B	N.O. Grants Management Group-CB	$6,000.00	$5,602.21	$0.00
B-13-MS-22-0001	Grant Oversight Round 1	PC#35900C	N.O. Grants Management Group-DR	$161,000.00	$160,806.38	$0.00

|	
Grant Number:	**B-13-MS-22-0001**
Grantee Activity Number:	**PC#31260**
Activity Title:	**Durr Construction**

10.2.2 Data Downloads

The Data Download screen is accessible directly from the DRGR Public home page or from all pages by using the Program Data dropdown on the toolbar (Figure 10-10).

Figure 10-10: Data Downloads – home page
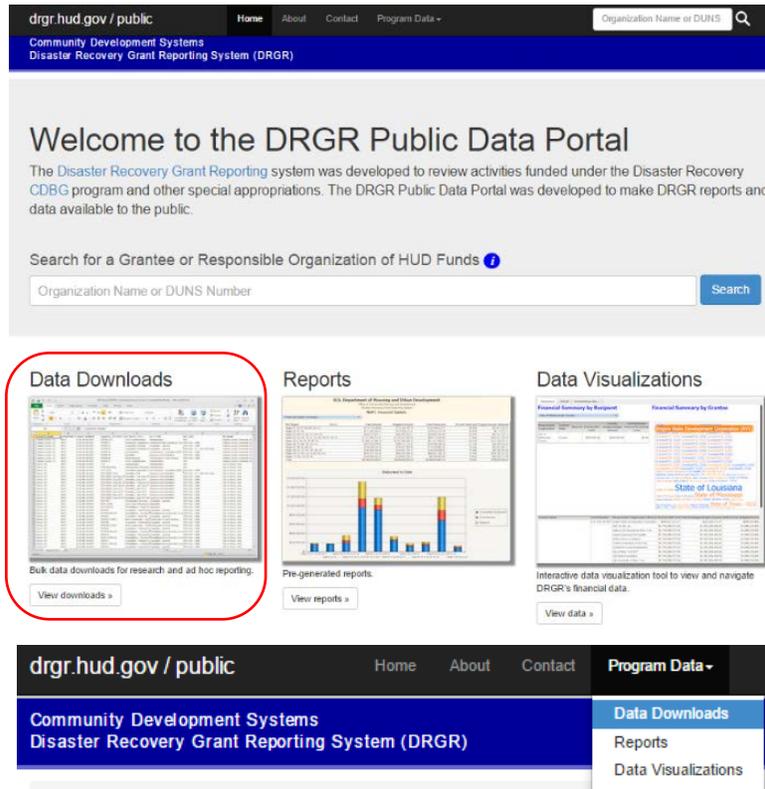
The Data Download screen provides a list of files (Figure 10-11) that users can download for off-line analysis. Files in the Data Download repository are automatically pulled from the MicroStrategy reporting engine. Super-users can modify the schedule and control which reports are published and at what frequency and format. Currently, the Data Download repository contains Excel and CSV files. Larger files can also be archived (i.e., zip files).

Figure 10-11: Data Download Repository
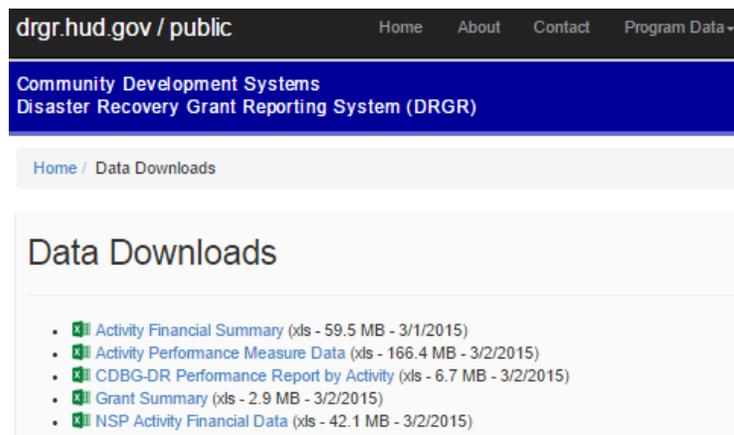
Files are listed in alphabetical order showing the file name, format, size, and published date. Users are able to click a file and download it to their computer (Figure 10-12).

Figure 10-12 - Data Download - Downloading a File
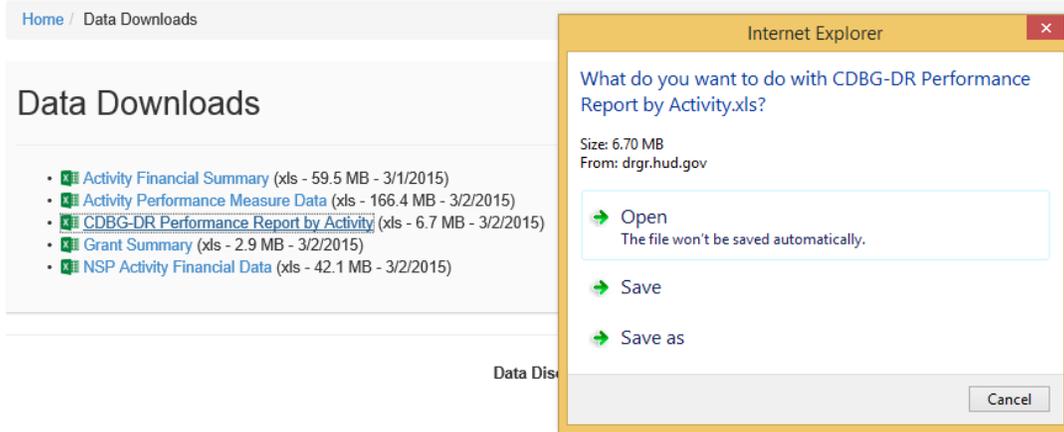
10.2.3 Reports

The Reports screen is accessible directly from the DRGR Public home page (Figure 10-13), or from all pages by using the Program Data dropdown on the toolbar (Figure 10-14).

**Figure 10-13: Reports home page**
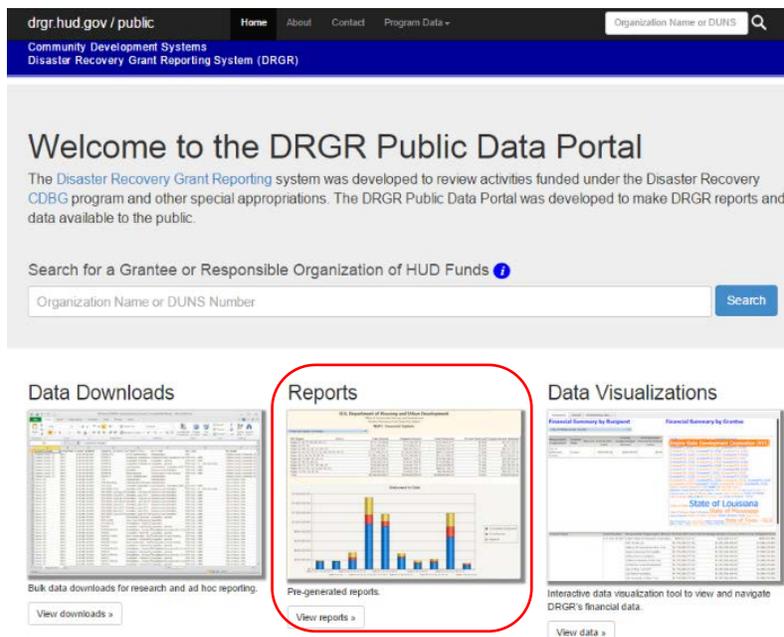
Figure 10-14: Reports - all pages
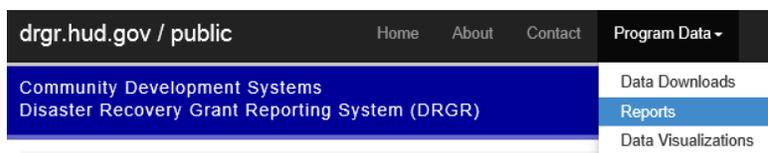
The Reports screen contains a list of dashboard reports (Figure 10-15) providing financial and performance data across grants and appropriations. All dashboards are automatically pulled from the MicroStrategy reporting engine. Super-users can modify the schedule and control which reports are published and at what frequency and format. The dashboard reports can be viewed and downloaded in a PDF format.

Figure 10-15: Reports

After a dashboard report is downloaded, users can use the embedded PDF bookmarks to drill down across appropriations and view detailed grant-level data (Figure 10-16).

Figure 10-16: Dashboard with embedded bookmarks
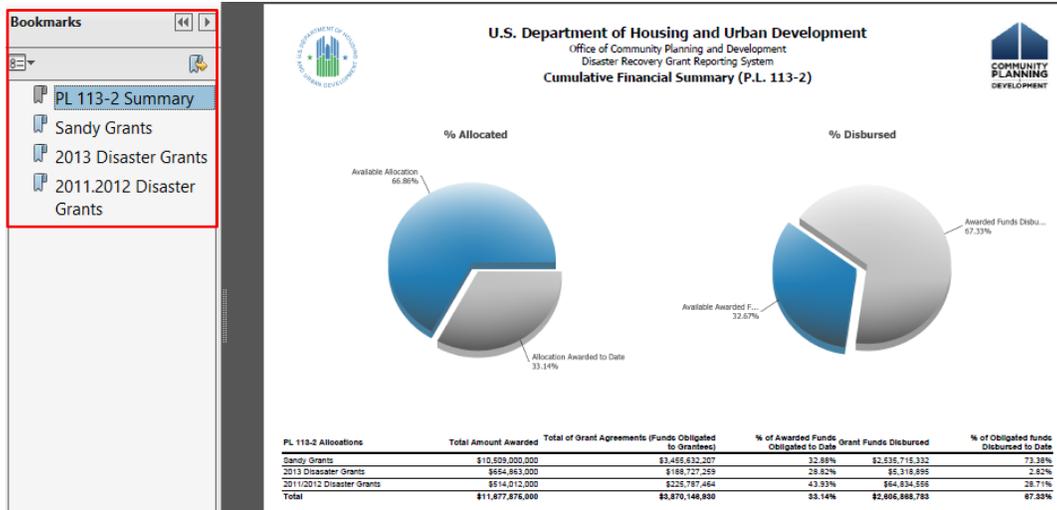
10.2.4 Data Visualizations

The Data Visualization tool is accessible directly from the DRGR Public home page (Figure 10-17), or from all pages by using the Program Data dropdown on the toolbar (Figure 10-18).

Figure 10-17: Data Visualizations
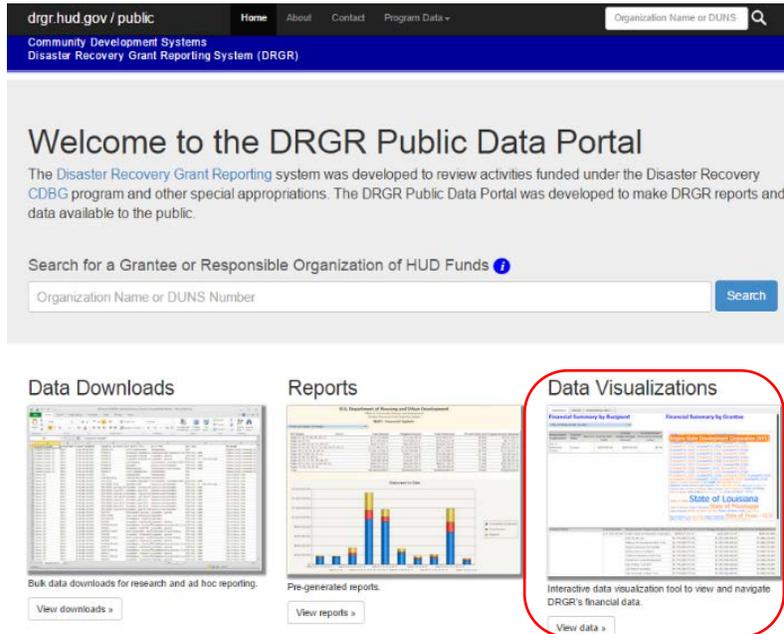
Figure 10-18: Data Visualizations - all pages

The Data Visualization tool enables users to conduct an interactive data analysis across grantees and responsible organizations. As with data downloads and dashboards, the data visualization tool is automatically pulled from the MicroStrategy reporting engine. Super-users can modify the schedule.

The Data Visualization tool contains two views, which are detailed in the following sections:

1. Summary
2. Details by Activity Type

10.2.4.1 Interactive Grantee and Responsible Organization Data

The Summary view allows users to view data by state and grantee. For each selection, a dynamic data cloud renders the associated Responsible Organizations (Figure 10-19). The font size in the data cloud indicates the relevant size of the Total Budget amount. Users can hover over each Responsible Organization to view details and click on the organization to view a drill down financial summary.

Figure 10-19: Data Visualization Summary View

10.3 Other Features of DRGR Public

10.3.1 About

The About page (Figure 10-20) provides the purpose of the DRGR system and the DRGR Public Data Portal. A data disclaimer is also provided on this page.

Figure 10-20: About

10.3.2 Contact Us

The Contact Us page describes how to contact the CPD DRGR group (Figure 10-21).

Figure 10-21: Contact Us
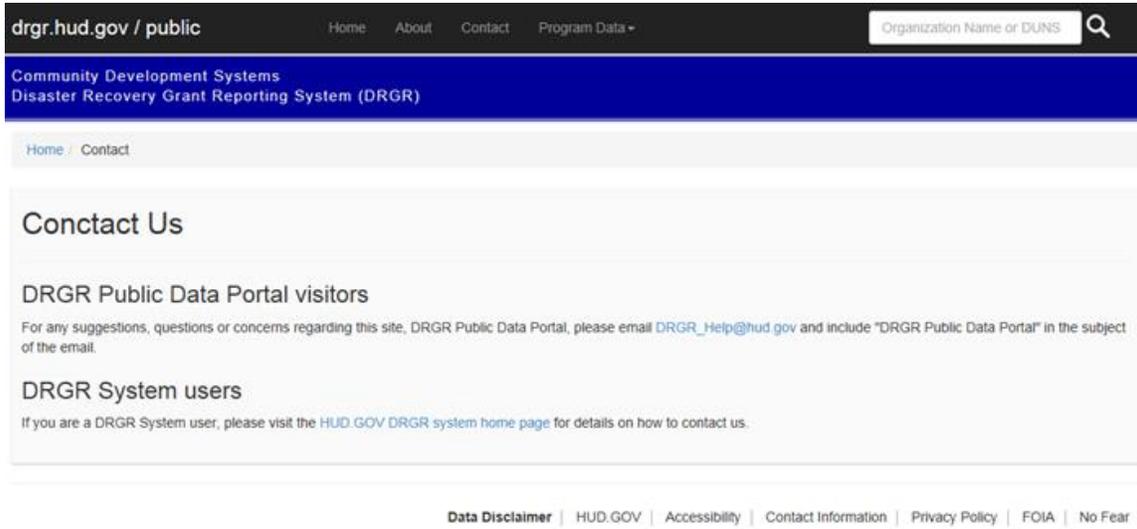
10.4 Report Management of DRGR Public

All of the features described above are part of DRGR Public. The following section describes the Super User's ability to manage the reports placed on DRGR Public. This includes which reports are made available, and how often the data in the reports is updated on DRGR Public.

10.4.1 Manage DRGR Public from MicroStrategy

Super Users have the ability to create and manage report subscriptions which are delivered and made available on the DRGR Public website. These functions are available in the MicroStrategy "Super User Reports" folder (located within "Standard Reports") – see Figure 10-22: Super User Reports for DRGR Public below.
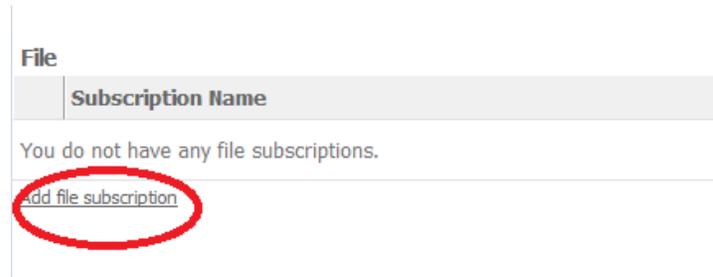
Figure 10-22: Super User Reports for DRGR Public

From the list of Reports, Super Users will use the "subscription" icon (highlighted above) to add a subscription for DRGR Public. Super Users will use the <**Add file subscription**> (Figure 10-23) link to access options for the subscription.

Figure 10-23: Add File Subscription link

Upon selection of the link, Super Users will be able set-up a new subscription for DRGR Public. Figure 10-24 shows the "Subscription Set-Up" screen. The following options are available:

1. **Schedule** – Super Users select a schedule (frequency) for subscription delivery to DRGR Public from a dropdown list. The schedule governs how often report data is updated on DRGR Public. Each delivery of the same report to DRGR Public will overwrite previous versions of the report.
2. **Location – Super Users select where the report should appear on the website. There are three options to post a report on the website which correspond to the three main data access features shown on the DRGR Public home page (Figure 10-1) – Data Downloads, Reports and Visualizations.**
3. **Delivery Format** – As shown above, there are four options for Delivery Format (HTML, PDF, Excel, and Flash). This selection will determine the format the report can be accessed and/or downloaded by external users via DRGR Public.
4. **File Name** – Super Users create a name for the report, which will be shown on the DRGR Pubic site.
5. **Save** – the <OK> button will complete and save the subscription.

Figure 10-24: DRGR Public Subscription Options
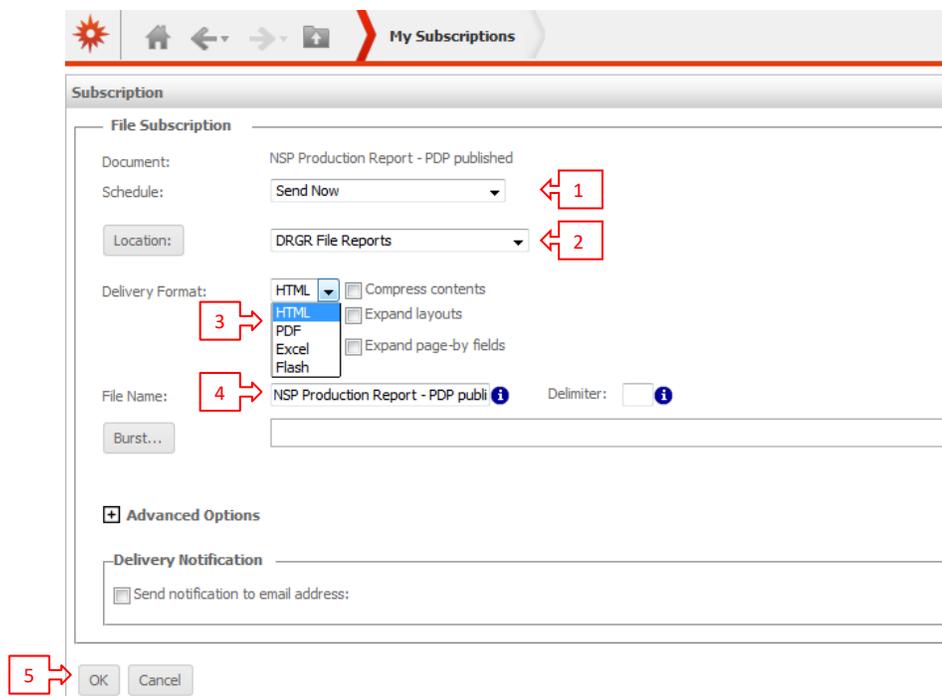
Once the subscription is saved, the report will appear under the "Subscription Name" heading shown in Figure 10-23. In addition, the subscription will also be included in the user's "My Subscriptions" folder in MicroStrategy (Figure 10-25).

Figure 10-25: My Subscriptions List – DRGR Public

Note: Super Users will be able to "Unsubscribe" from reports in the "My Subscriptions" folder; however, unsubscribing only prevents new versions of the report from being delivered and will not delete previous versions of the report available on DRGR Public. To delete a report from DRGR Public, see Section 10.4.2 below.

10.4.2 Manage DRGR Public from DRGR

The Manage Download Files feature (Figure 10-26: Link to Super User Public Site Download File Manager) is provided within the DRGR application, and allows Super Users to delete and upload files available on DRGR Public. The screen in Figure 10-27: Super User Public Site Download File Manager is displayed upon clicking "Manage Download Files".

Figure 10-26: Link to Super User Public Site Download File Manager

Figure 10-27: Super User Public Site Download File Manager

File management can be performed by selecting one of the directories to open a list of files within that directory. Figure 10-28 below shows the list of files located within the "Data-Downloads" directory.

Figure 10-28: Files within "Data-Downloads" Directory

From the screen shown in Figure 10-28, Super Users can delete selected files, upload files and perform a variety of other file management tasks. Files are selected using the checkboxes next to each file name, or the <**Select all**> checkbox located below the file list. Once selected, files can be deleted using the <**(Del)ete selected files**> button. Deleting files will remove the files from the DRGR Public website.

Super Users can also upload files outside of the DRGR system (e.g. on the user's computer) directly to the DRGR Public site via DRGR. To upload a file, Super Users will use the <**Browse…**> button located at the bottom of the file management screen to locate a file for upload. Once a file is selected, the upload action is completed using the <**Upload**> button.