1) **System Requirements**

1.1 **Browser Requirements:**

   Supported browsers:
   
   - Firefox 10 or newer *(Recommended)*
   - Internet Explorer 8 (32-bit, not compatibility mode, may be slow),
   - Internet Explorer 9 (32-bit, not compatibility mode)

2) **Logging In to the Portal**

To log into the IBM Intelligent Waste Management (IWM) platform::

1. Open up a web browser and enter the address of the IBM Intelligent Waste Solution portal. *(Example: http://Dubuquesdm.watson.ibm.com)*
2. You will then see a login screen (See Figure 1)
3. Type your user name in the “User ID” box & password into the “Password” box
4. Click “Sign In”

![Figure 1 IBM Intelligent Waste Platform Login Screen](image_url)

The first time you log in you will be asked to read and agree to the access agreement. Please read the agreement, and if you agree to it click the “Agree” button which is at the bottom of the agreement page.
You will not be asked to read the access agreement on subsequent logins.

If you accept the access agreement, you will be brought to demographic questionnaire on the first login. (See Figure 2)

**Figure 2 IBM Intelligent Waste Management Demographic Questionnaire**

You may update the information in the questionnaire at any time.

The information used in the “screen name” field is used on the summary page as a title.

Once you have completed the questions you wish to answer, you must click the “save” button at the bottom of the page to have the system update/save the information provided.
3) **Intelligent Waste Platform Navigation**

The Intelligent Waste Platform navigation buttons are at the top of the browser page (see Figure 3Figure 3),

![Intelligent Waste Platform Navigation Bar](image)

**Figure 3 Intelligent Waste Platform Navigation Bar**

On the upper right, there are two buttons

- Logout (Log Out)
- Edit your profile (EditMyProfile)
  - Change your password; update your email, etc.

![Navigation buttons for logging out and updating your profile](image)

**Figure 4 Navigation buttons for logging out and updating your profile**

On the left, there are two buttons to allow you to:

- Update the demographic questionnaire (Questionnaire)
- View your discard patterns. (Summary)

![Navigation buttons for Summary Portal and demographic Questionnaire](image)

**Figure 5 Navigation buttons for Summary Portal and demographic Questionnaire**

### 3.1 **Summary Portal**

The summary portal:

- Gives the details of your discard habits by weight as well as by approximate equivalent volume.
- Shows how much has been saved by your diversion of refuse from the landfill
- Shows your number of green points you have accumulated

When the summary portal is displayed after login, there will be a pop-up window with the broadcast messages from the city and also a history of your green point awards.
Figure 6 "News" pop-up on the summary portal

Informational messages from the city

History of green point awards going back 45 days

Close the news by clicking the “X”

Figure 7 zoom-in of the "News" Pop-up

To close the pop-up, simply click the “X” in the upper right corner. You can display this information again, by clicking the “Show news” button in the progress portal (see below for details)

The portal is divided into three sections:

- Progress & summary
- Pickup weight details
- Volume equivalent details
3.1.1 Progress Details

Shows whose information is being displayed
(This name is set on the questionnaire)
How much has been saved by your diversion from the landfill
Your rank based on diversion compared to neighbors like you
The number of green points you have earned

“Show news” button to display the “News” window
3.1.2 **Pickup Weight Details**

As the name implies this section of the portal, shows the details of the discard broken down by material type. The viewer has a few options for how the data is viewed as shown below in Figure 10.

On the left side of the portal the user can select how the pickup data is viewed. Selection options include:

A. View as a bar chart or an area chart

B. What time period to view - year to date, last year or all dates

C. What interval to view – weekly data or monthly data

D. Legend for the graph
3.1.3 **Volume Equivalent Detail Section**

This section of the portal displays volume equivalents for your discard to give you a visual of how much is being discarded. Because refuse, recycle and organics materials vary this is only an approximate representation.

The user has the option of zooming in on the details of the chart by clicking the “zoom” button in the upper left corner.

![Figure 12 Volume Equivalent Section of Summary Portal](image)

![Figure 13 Zoom button in upper left corner](image)

![Figure 14 Result of un-clicking the "Zoom" button](image)