



IHS Markit™

PENNVEST Auctions: Enrollment and Eligibility Phase

IHS Markit / New York / July 2017

Company overview – IHS Markit

- IHS Markit's Role in Nutrient Credit Trading:
 - Offer Enrollment & Eligibility services through our Markit Counterparty Manager(MCM) system
 - Provide auction services, including training on Submitting Bids and Offers using the Markit Environmental Registry



Company overview - PENNVEST

- PENNVEST's Role in Nutrient Credit Trading:
 - Provide public operated treatment works and regulated point sources with a cost-effective alternative to meeting their nutrient discharge permit requirements
 - Reduce risk perceived by credit sellers and buyers that may inhibit growth of the nutrient credit market



Presentation Outline

1. Auction updates for previous participants
2. Auction Account Opening
3. Logging into Markit Counterparty Manager (MCM)
4. Reviewing documentation posted on Markit Counterparty Manager
5. Submitting Electronic Enrollment App. Form in Markit Counterparty Manager
6. Updating Electronic Enrollment App. Form in Markit Counterparty Manager
7. Uploading documents for review onto Markit Counterparty Manager
8. Reviewing results of your Enrollment App. Form

Auction updates for previous participants

Auction updates

- This Forward Auction will include two rounds, both held on **September 6th 2017**. Both rounds will result in a separate clearing price and settlement of credits
- The auction methodology will be reviewed during the next webinars on **August 23rd** and **August 30th**
- If documents uploaded for previous auctions have been updated in any way, new documents will need to be re-uploaded to Markit Counterparty Manager for the upcoming auction

Auction Account Opening

Auction Account Opening

1. If you have participated in a previous auction and already have an account at IHS Markit, you do not have to go through the account opening process outlined below.
2. If you are new to the auction process, please navigate to:

<http://www.markit.com/Product/Pennvest>
3. Click on “Register To Participate” link.
4. The following form will open:

* Please note that if you are applying as an individual (rather than a company), please contact the Markit Environmental Operations team directly at environmental.auctions@markit.com.

Sample Auction Registration Form:

Markit Environmental Auctions Registration

Complete the form below to register to participate in the Pennvest Nutrient Credit Trading Auctions.

First name *	Last name *	Email *	Phone *
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Company *		Job Title *	
<input type="text"/>		<input type="text"/>	

Address *	City *	State/Province/County
<input type="text"/>	<input type="text"/>	<input type="text"/>
	Country *	Post Code *
	<input type="text" value="--None--"/>	<input type="text"/>

Comments

I agree to the [Markit Environmental Auctions Terms & Conditions](#) and would like to participate in the Pennvest Nutrient Credit Trading Auctions *

Auction Account Opening

5. You will receive an email from environmental.auctions@markit.com within 24 hours requesting:
 - Main account holder's **Photo Identification document** (e.g. passport photo or driver's license)
 - **Organizational Documents** for your entity such as:
 - Municipal Authority** – Provide copy of Articles of Incorporation plus any amendments and a copy of your By-laws
 - Municipalities** – Provide a letter from your solicitor stating 1) what section of the PA code you operate under and 2) who, both name & title), is authorized to take official action on your behalf
 - Private** – Organization documents (ex: Articles of Incorporation, By-laws, Partnership Agreement, Operating Agreement)
 - Executed standardized **Resolution** authorizing approval for participation. The Resolution is available on PENNVEST's website (refer to "Nutrient Credit Trading", "NCT documents").
 - **Vendor Identification ID #** (Note: Participants must register with the Commonwealth's SAP system and obtain a vendor identification number prior to submitting the enrollment application. Refer to: <http://www.vendorregistration.state.pa.us/CVMU/Paper/DefaultInvoice.aspx>)
 - **EIN or Federal Tax ID#**
 - **Contact Person Name, Title, Email Address and Phone Number**
 - **Company Name and Address**
6. Send information to environmental.auctions@markit.com.
7. If further information is needed, you will receive an email requesting additional details
8. Once completed, you will receive an email with your Markit Counterparty Manager login credentials.

Sample Email – Markit Counterparty Manager Login Credentials



Welcome to Markit Counterparty Manager

Dear Markit Client,

We have created an account for you to access Markit Counterparty Manager within www.markit.com. Your login credentials are listed below.

Username: user123@markit.com

To set your **password** and login, please click on the password link below:

<https://products.markit.com/home/ResetPassword.frm?code=Br8pd2ySJeqFL19NMK65Zt2mzmRTqnDtbKjh5tuuW4>

If clicking the above link does not work, please copy and paste the URL in a new browser window instead.

If you have received this email in error or have any other questions, please contact us at support@markit.com.

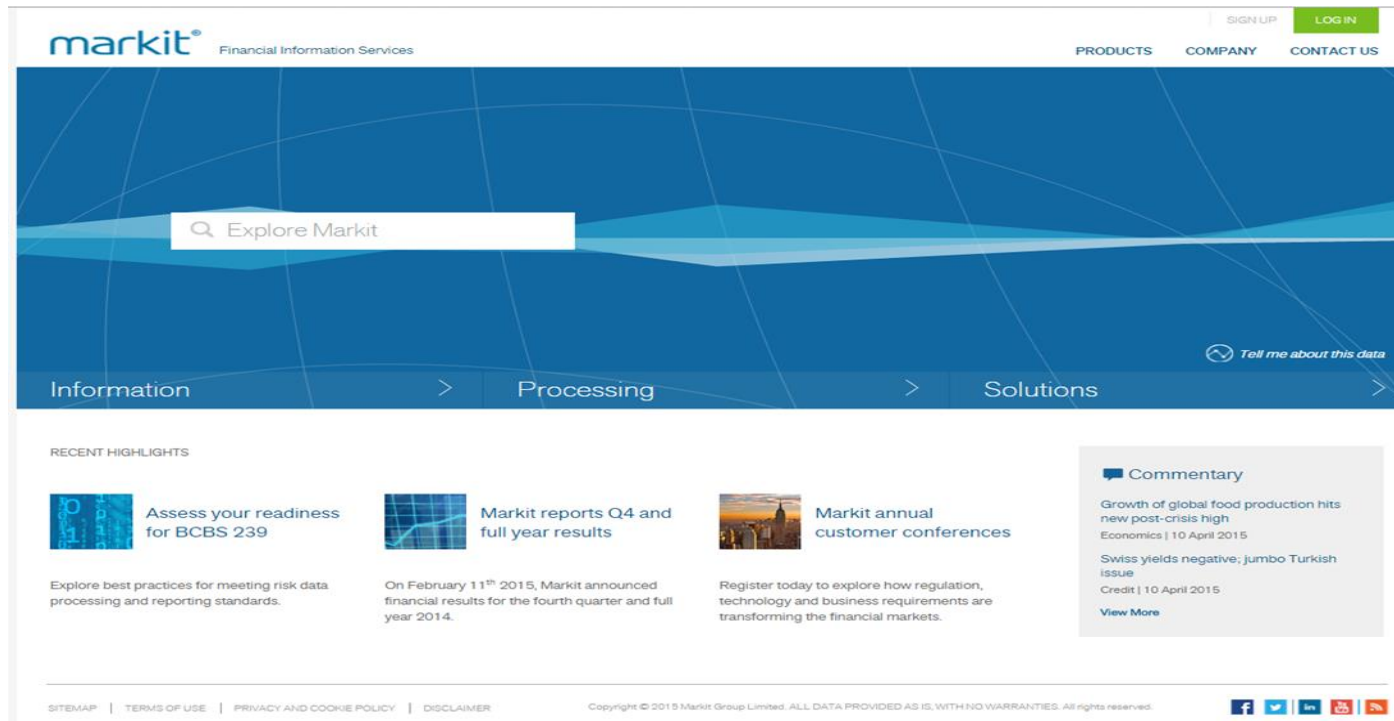
Thank you.

Markit Client Relations Team
U.S.: + 1 877 762 7548
EMEA: + 800 6275 4800
Asia Pacific: + 65 6922 4210
Email: support@markit.com

Logging into Markit Counterparty Manager

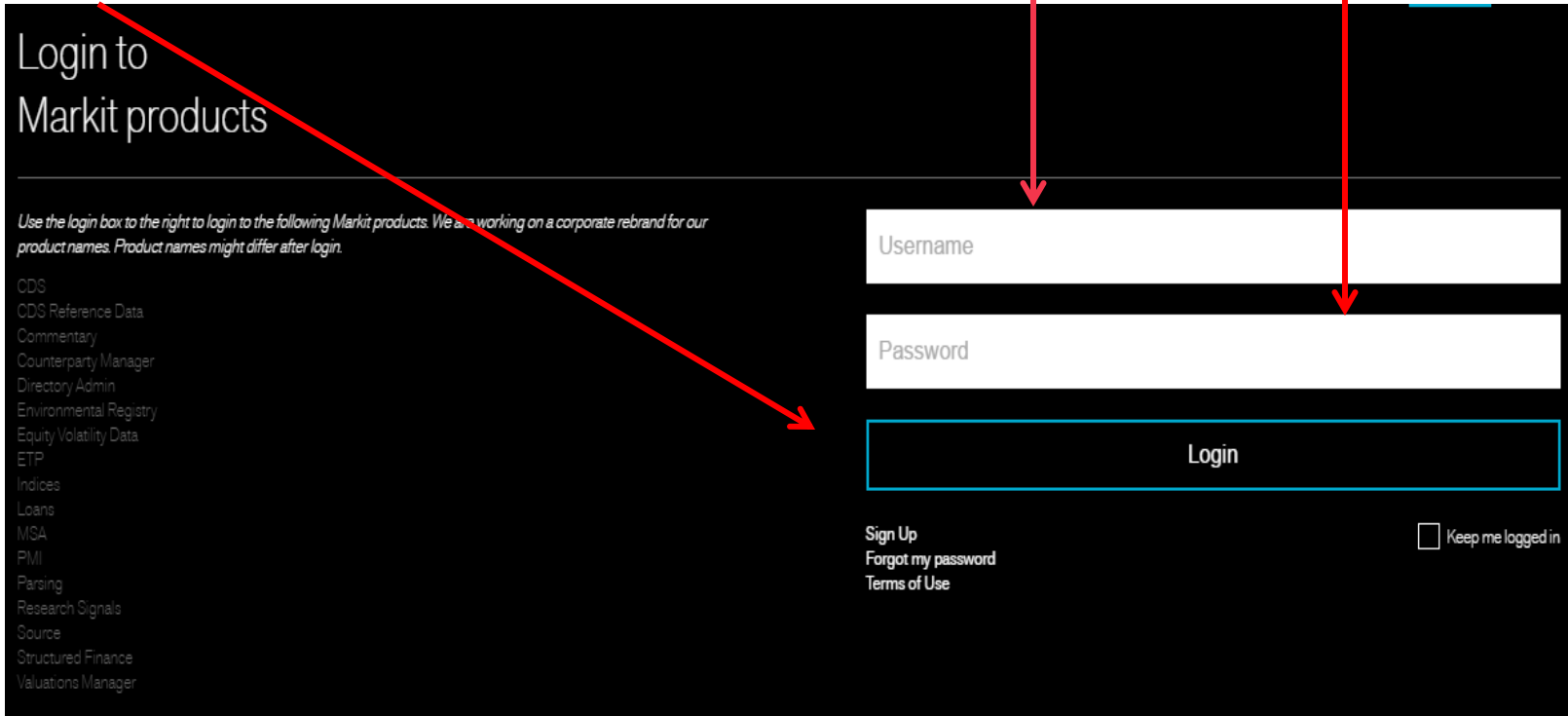
Logging into Markit Counterparty Manager

1. Navigate to www.markit.com
2. Click LOG IN.



Logging into Markit Counterparty Manager

3. This will call up a Login screen. Insert your email address and password and press the Login button.



Login to
 Markit products

Use the login box to the right to login to the following Markit products. We are working on a corporate rebrand for our product names. Product names might differ after login.

- ODS
- ODS Reference Data
- Commentary
- Counterparty Manager
- Directory Admin
- Environmental Registry
- Equity Volatility Data
- ETP
- Indices
- Loans
- MSA
- PMI
- Parsing
- Research Signals
- Source
- Structured Finance
- Valuations Manager

Username

Password

Login

[Sign Up](#)
[Forgot my password](#)
[Terms of Use](#)

Keep me logged in

Logging into Markit Counterparty Manager

4. After logging in, you will be prompted to select your Markit Product. Click "**Counterparty Manager**" and Save

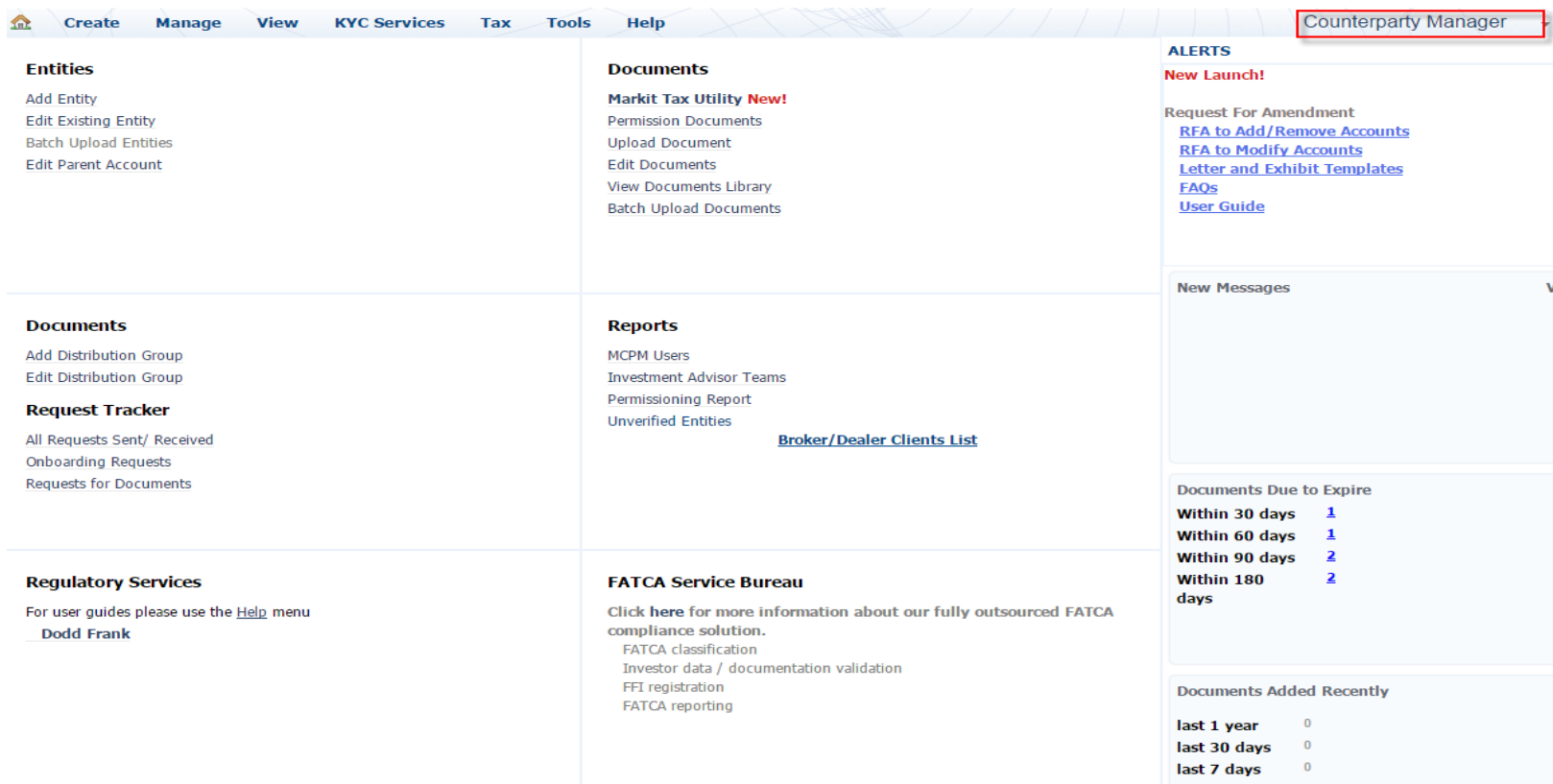


Note for the first time users, you will be prompted to agree to the MCM Terms of use ONLY. There's no need to check the Terms of use for KYC Services

A screenshot of a Terms of Use agreement form. It contains three checkboxes with corresponding text. The first checkbox is "Agree to all Terms of use". The second checkbox is "By checking this box, you are agreeing with the Terms of use for KYC Services and acknowledge receipt of the Fair Processor Notice and Australia Privacy Collection Statement". The third checkbox is "By checking this box, you are agreeing with the Terms of use for Markit Counterparty Manager (Required)". Below the third checkbox, there are two buttons: a green "I Agree" button and a blue "Need More Information" button. A red box highlights the third checkbox and the "I Agree" button.

Logging into Markit Counterparty Manager

5. Once you are successfully logged into Markit, you will be presented with the Markit Counterparty Manager landing screen.



Counterparty Manager

Entities

- Add Entity
- Edit Existing Entity
- Batch Upload Entities
- Edit Parent Account

Documents

- Add Distribution Group
- Edit Distribution Group

Request Tracker

- All Requests Sent/ Received
- Onboarding Requests
- Requests for Documents

Regulatory Services

For user guides please use the [Help](#) menu

- Dodd Frank**

Documents

- Markit Tax Utility **New!**
- Permission Documents
- Upload Document
- Edit Documents
- View Documents Library
- Batch Upload Documents

Reports

- MCPM Users
- Investment Advisor Teams
- Permissioning Report
- Unverified Entities
- [Broker/Dealer Clients List](#)

FATCA Service Bureau

Click [here](#) for more information about our fully outsourced FATCA compliance solution.

- FATCA classification
- Investor data / documentation validation
- FFI registration
- FATCA reporting

ALERTS

New Launch!

Request For Amendment

- [RFA to Add/Remove Accounts](#)
- [RFA to Modify Accounts](#)
- [Letter and Exhibit Templates](#)
- [FAQs](#)
- [User Guide](#)

New Messages

Documents Due to Expire

Within 30 days	1
Within 60 days	1
Within 90 days	2
Within 180 days	2

Documents Added Recently

last 1 year	0
last 30 days	0
last 7 days	0

Reviewing documentation posted in Markit Counterparty Manager

Reviewing documentation posted in Markit Counterparty Manager

1. Log into Markit Counterparty Manager (MCM).
2. Hover over "View" on menu bar.
3. Click on "Counterparty Documents"



4. Click on the all documents link in bold text

To view all counterparty documents click on the **all document(s)** link
 Summary of Top 20 Accounts By Document Count

Account Name	Entity Count	Document Count
Pennsylvania Infrastructure Investment Authority Company	1	4

Reviewing documentation posted in Markit Counterparty Manager

[Home](#) [Create](#) [Manage](#) [View](#) [Tools](#) [Help](#) liza.logounova@markit.com, Demo NCT Participant

Counterparty Documents

Apply Reset

Account: ▼ 🔍

Fund Name: ▼ 🔍

MDE Display Name: ▼ 🔍

Client Identifier: ▼ 🔍

★ All Documents +

▼ 📄 📅 View
📧 Invite a User
📄 Download
📄 Download to FTP
📄 Download All to FTP

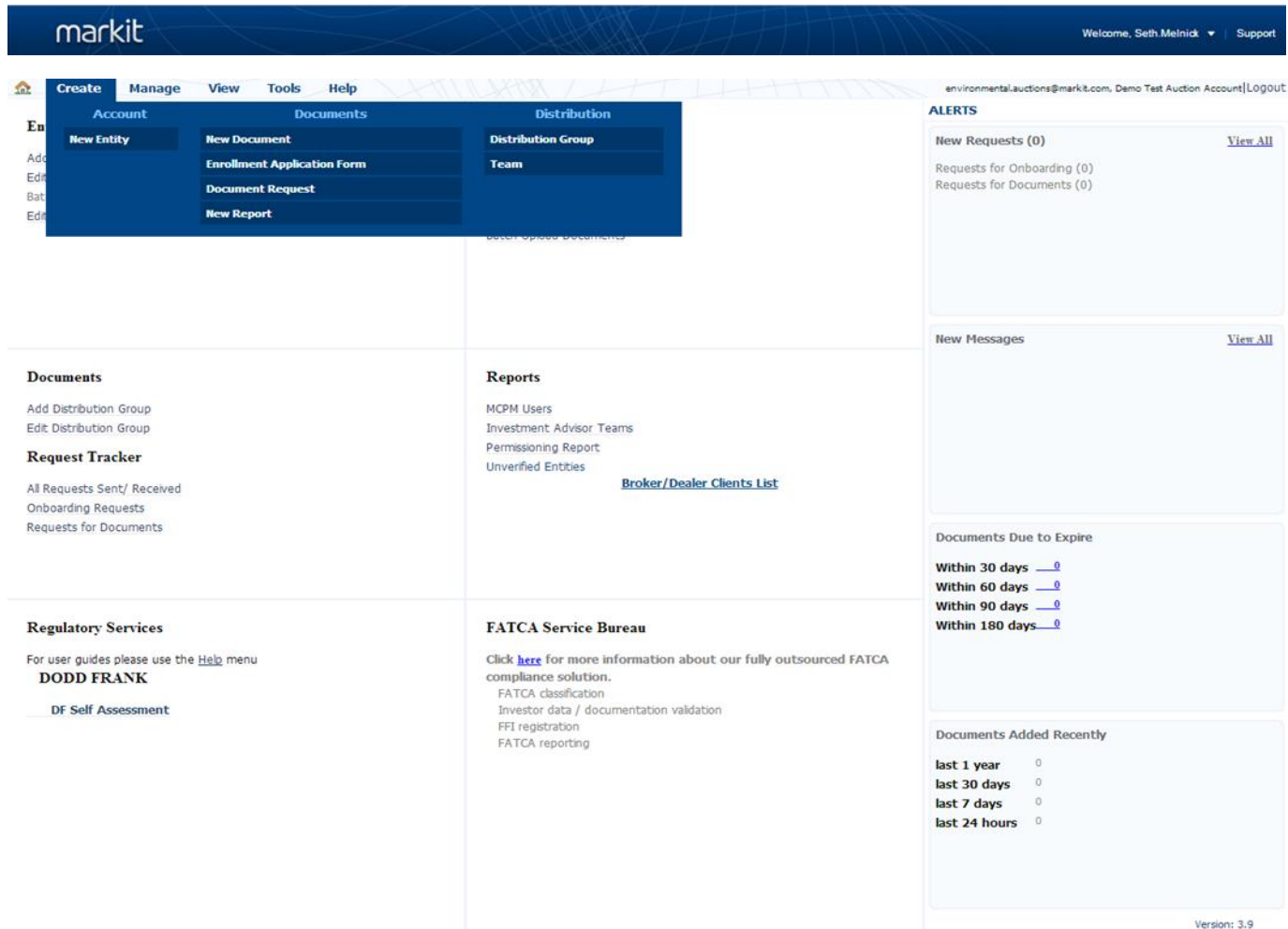
<input type="checkbox"/>	Account Name	Fund Name	Category	Document Type	Description	View	Upload Date	Umbrella
<input type="checkbox"/>	Pennvest	Pennvest	Standard Nutrient Credit Tradin...	Nutrient Credit Trading Rule Book	Nutrient Credit Tradi...		23-Apr-2012	

5. The following document will automatically appear in your “My Counterparty Documents” folder: “Nutrient Credit Trading Rule Book”

6. Click on the icon to download and review

Submitting an Electronic Enrollment Application Form in Markit Counterparty Manager

1. On the menu bar, hover over "Create" menu item.
2. Click on "Enrollment Application Form" menu item.



The screenshot shows the IHS Markit web application interface. At the top, there is a dark blue header with the 'markit' logo on the left and 'Welcome, Seth Melnick | Support' on the right. Below the header is a navigation bar with tabs for 'Create', 'Manage', 'View', 'Tools', and 'Help'. The 'Create' menu is expanded, showing sub-menus for 'Account', 'Documents', and 'Distribution'. Under 'Documents', the 'Enrollment Application Form' option is highlighted. The main content area is divided into several sections: 'Documents' (Add/Edit Distribution Group), 'Request Tracker' (All Requests Sent/ Received, Onboarding Requests, Requests for Documents), 'Regulatory Services' (DODD FRANK, DF Self Assessment), 'Reports' (MCPM Users, Investment Advisor Teams, Permissioning Report, Unverified Entities, Broker/Dealer Clients List), and 'FATCA Service Bureau' (compliance solution, FATCA classification, Investor data / documentation validation, FFI registration, FATCA reporting). On the right side, there are three alert boxes: 'ALERTS' (New Requests (0), Requests for Onboarding (0), Requests for Documents (0)), 'New Messages' (View All), and 'Documents Due to Expire' (Within 30 days, 60 days, 90 days, 180 days). At the bottom right, there is a 'Documents Added Recently' section with filters for last 1 year, 30 days, 7 days, and 24 hours.

3. The online Enrollment Application Form will appear.

Enrollment Application Form

INSTRUCTIONS
[Please click on this link to view the instructions](#)

Account Name: Demo Test Auction Account	Federal Tax Id Number: 00-0000000	
Legal Structure: Municipal Authority	State Vendor ID: 000000	

Registered Address

Address 1: 620 8th Avenue
Address 2: 35th Floor
Town: New York City
City: New York
State: New York
Postcode/ZIP: 10018
Country: United States

Primary Contact Details

First Name: Jane Q.
Last Name: Public
Primary Contact Email: environmental.auctions@markit.com
Primary Contact Title: Manager
Primary Contact Telephone: 917-441-6919

Auction Date:

Spot Auction Forward Auction
 Seller Buyer

INPUT THE NUMBER OF CREDITS YOU WOULD LIKE TO BE PRE-QUALIFIED TO SELL IN THE UPCOMING CREDIT AUCTION

	Susquehanna Nitrogen	Susquehanna Phosphorous	Potomac Nitrogen	Potomac Phosphorus
2014	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00
2018	0.00	0.00	0.00	0.00
2019	0.00	0.00	0.00	0.00
2020	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00
2027	0.00	0.00	0.00	0.00
2028	0.00	0.00	0.00	0.00
2029	0.00	0.00	0.00	0.00
2030	0.00	0.00	0.00	0.00

Submitting Electronic Enrollment Application Form in Markit Counterparty Manager

4. Click on the link to review the instructions regarding enrollment application process*

Enrollment Application Form

INSTRUCTIONS
[Please click on this link to view the instructions](#)

Account Name: Demo Test Auction Account
Legal Structure: Municipal Authority

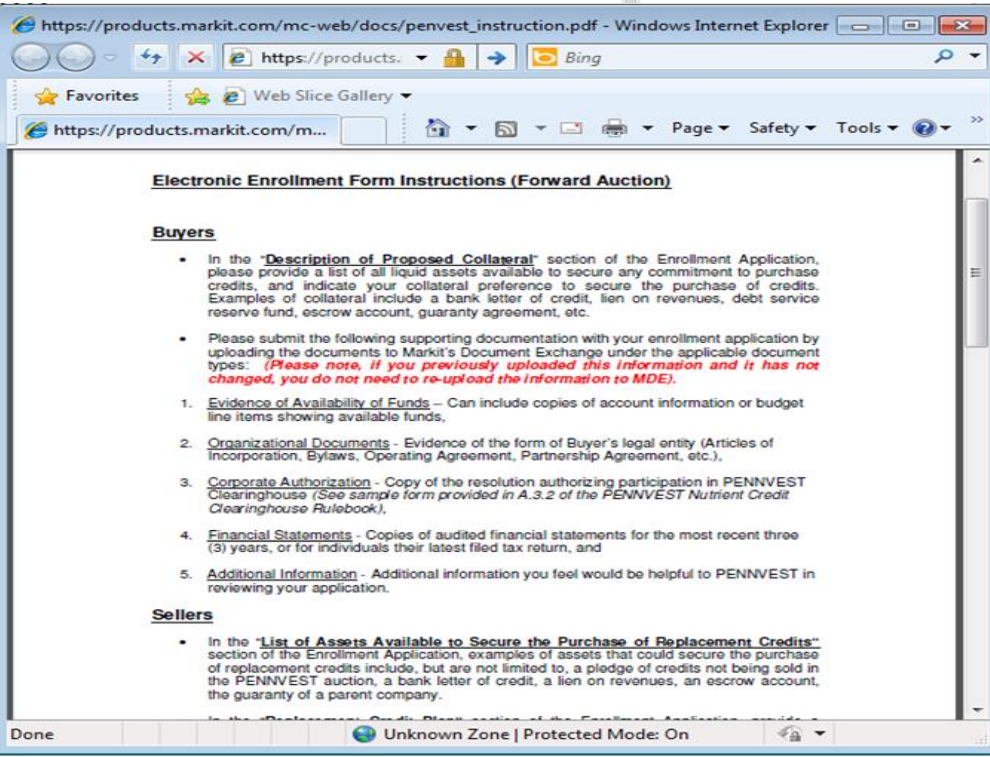
Registered Address

Address 1: 620 8th Avenue
Address 2: 35th Floor
Town: New York City
City: New York
State: New York
Postcode/ZIP: 10018
Country: United States

Auction Date:

INPUT THE NUMBER OF CREDITS YOU WOULD LIKE TO BE PRE

	Susquehanna Nitrogen
2014	0.00
2015	0.00
2016	0.00
2017	0.00
2018	0.00
2019	0.00
2020	0.00
2021	0.00
2022	0.00
2023	0.00
2024	0.00
2025	0.00
2026	0.00
2027	0.00
----	---



Electronic Enrollment Form Instructions (Forward Auction)

Buyers

- In the **Description of Proposed Collateral** section of the Enrollment Application, please provide a list of all liquid assets available to secure any commitment to purchase credits, and indicate your collateral preference to secure the purchase of credits. Examples of collateral include a bank letter of credit, lien on revenues, debt service reserve fund, escrow account, guaranty agreement, etc.
- Please submit the following supporting documentation with your enrollment application by uploading the documents to Markit's Document Exchange under the applicable document types: *(Please note, if you previously uploaded this information and it has not changed, you do not need to re-upload the information to MDE).*
 - Evidence of Availability of Funds** – Can include copies of account information or budget line items showing available funds.
 - Organizational Documents** - Evidence of the form of Buyer's legal entity (Articles of Incorporation, Bylaws, Operating Agreement, Partnership Agreement, etc.).
 - Corporate Authorization** - Copy of the resolution authorizing participation in PENNVEST Clearinghouse (See sample form provided in A.3.2 of the PENNVEST Nutrient Credit Clearinghouse Rulebook).
 - Financial Statements** - Copies of audited financial statements for the most recent three (3) years, or for individuals their latest filed tax return, and
 - Additional Information** - Additional information you feel would be helpful to PENNVEST in reviewing your application.

Sellers

- In the **List of Assets Available to Secure the Purchase of Replacement Credits** section of the Enrollment Application, examples of assets that could secure the purchase of replacement credits include, but are not limited to, a pledge of credits not being sold in the PENNVEST auction, a bank letter of credit, a lien on revenues, an escrow account, the guaranty of a parent company.

*scroll to second page for Forward Auction information

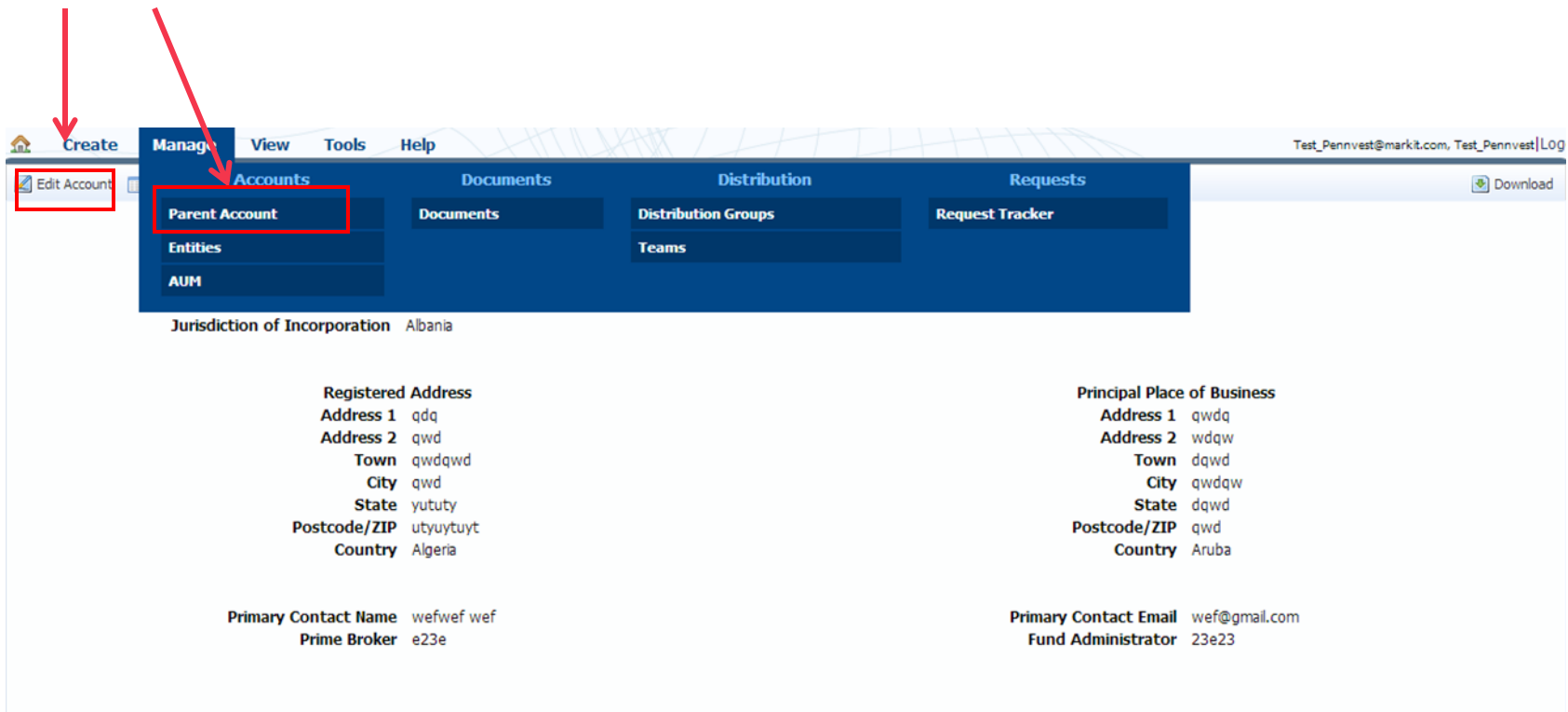
Submitting Electronic Enrollment Application Form in Markit Counterparty Manager

5. Review account information that is on file for your organization.

Account Name:	Test_Pennvest	Federal Tax Id Number:	12e12
Legal Structure:	Municipal Authority	State Vendor ID:	12e12e12e
Registered Address		Primary Contact Details	
Address 1:	qdq	First Name:	wefwef
Address 2:	qwd	Last Name:	wef
Town:	qwdqwd	Primary Contact Email:	wef@gmail.com
City:	qwd	Primary Contact Title:	fwefwe
State:	yututy	Primary Contact Telephone:	wefwe
Postcode/ZIP:	utyuytuyt		
Country:	Algeria		

Submitting Electronic Enrollment Application Form in Markit Counterparty Manager

6. If any of this information needs to be updated, please navigate to “Manage / Parent Account” menu item and update account information by clicking the “Edit Account” button.



The screenshot shows the Markit Counterparty Manager interface. The top navigation bar includes 'Create', 'Manage', 'View', 'Tools', and 'Help'. The 'Manage' dropdown menu is open, showing 'Parent Account' highlighted with a red box. A red arrow points to the 'Edit Account' button in the top left corner, and another red arrow points to the 'Parent Account' menu item. The main content area displays account details for a parent account.

Jurisdiction of Incorporation		Albania	
Registered Address			
Address 1	qdq		
Address 2	qwd		
Town	qwdqwd		
City	qwd		
State	yututy		
Postcode/ZIP	utyuytyt		
Country	Algeria		
Principal Place of Business			
Address 1	qwdq		
Address 2	wdqw		
Town	dqwd		
City	qwdqw		
State	dqwd		
Postcode/ZIP	qwd		
Country	Aruba		
Primary Contact Name		wefwef wef	
Prime Broker	e23e		
Primary Contact Email		wef@gmail.com	
Fund Administrator	23e23		

Submitting Enrollment Application Form in Markit Counterparty Manager

If You are Applying as a Seller

7. Enter Auction date
8. Select the "Forward Auction" button
9. Select the "Seller" button

The screenshot shows a form with the following elements:

- Auction Date:** A text field containing "06-Sep-2017" with a calendar icon to its right.
- Calendar:** A calendar for September 2017 is displayed below the text field. The date "6" is highlighted in a blue box.
- Radio Buttons:** There are four radio buttons arranged in two rows:
 - Top row: Spot Auction and Forward Auction
 - Bottom row: Seller and Buyer

Two red arrows point to the "Forward Auction" and "Seller" radio buttons, indicating they should be selected.

Submitting Enrollment Application Form in Markit Counterparty Manager

If you are applying as a Seller:

10. Input number of credits you would like to be pre-qualified to sell per Vintage Year / Watershed / Nutrient Type
11. Click "Update"

Auction Date:

Spot Auction Forward Auction
 Seller Buyer

INPUT THE NUMBER OF CREDITS YOU WOULD LIKE TO BE PRE-QUALIFIED TO SELL IN THE UPCOMING CREDIT AUCTION

	Susquehanna Nitrogen	Susquehanna Phosphorous	Potomac Nitrogen	Potomac Phosphorus
2017	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
2018	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
2019	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
2020	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
2021	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
2022	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>

Submitting Enrollment Application Form in Markit Counterparty Manager

If you are applying as a Seller:

12. If you are applying as a Seller, fill out the following sections:

LIST OF DATES UPON WHICH YOU ARE ABLE TO DELIVER THE CREDITS YOU INTEND TO SELL AND THE CORRESPONDING NUMBER OF CREDITS TO BE DELIVERED ON THAT DATE

LIST OF ASSETS AVAILABLE TO SECURE THE PURCHASE OF REPLACEMENT CREDITS IN THE EVENT OF A DELIVERY DEFAULT AND INDICATE YOUR PREFERENCE FOR SECURING THE PURCHASE OF REPLACEMENT CREDITS.

ADDITIONAL INFORMATION

REPLACEMENT CREDIT PLAN

Submitting Enrollment Application Form in Markit Counterparty Manager

If you are applying as a Buyer:

13. Enter Auction date
14. Select the "Forward Auction" button
15. Select the "Buyer" button

The screenshot shows a form with the following elements:


- Auction Date:** A text input field containing "06-Sep-2017" with a calendar icon to its right.
- Calendar:** A calendar for September 2017 is open, showing the date "6" selected.
- Radio Buttons:** There are four radio button options:
 - Spot Auction
 - Forward Auction
 - Seller
 - Buyer

Two red arrows point to the "Forward Auction" and "Buyer" radio buttons, indicating they should be selected.

Submitting Enrollment Application Form in Markit Counterparty Manager

If you are Applying as a Buyer

16. Input dollar amounts that you would like to be pre-qualified to bid for per Vintage Year / Watershed / Nutrient Type:
17. Click "Update"

Auction Date: 

Spot Auction Forward Auction
 Seller Buyer

INPUT THE DOLLAR AMOUNT YOU WOULD LIKE TO BE PRE-QUALIFIED TO BID FOR EACH OF THE CREDIT TYPES BELOW IN THE UPCOMING CREDIT AUCTION

	Susquehanna Nitrogen	Susquehanna Phosphorous	Potomac Nitrogen	Potomac Phosphorus	Total Dollar Amount
2017	0.00	0.00	0.00	0.00	0
2018	0.00	0.00	<input type="button" value="Update"/>	0.00	0
2019	0.00	0.00	<input type="button" value="Cancel"/>	0.00	0
2020	0.00	0.00	0.00	0.00	0
2021	0.00	0.00	0.00	0.00	0
2022	0.00	0.00	0.00	0.00	0

Submitting Enrollment Application Form in Markit Counterparty Manager

If you are applying as a Buyer:

18. Fill out the following sections :

DESCRIPTION OF PROPOSED SOURCE OF FUNDS

DESCRIPTION OF PROPOSED COLLATERAL

ADDITIONAL INFORMATION

Submitting Enrollment Application Form in Markit Counterparty Manager

Both Sellers and Buyers must:

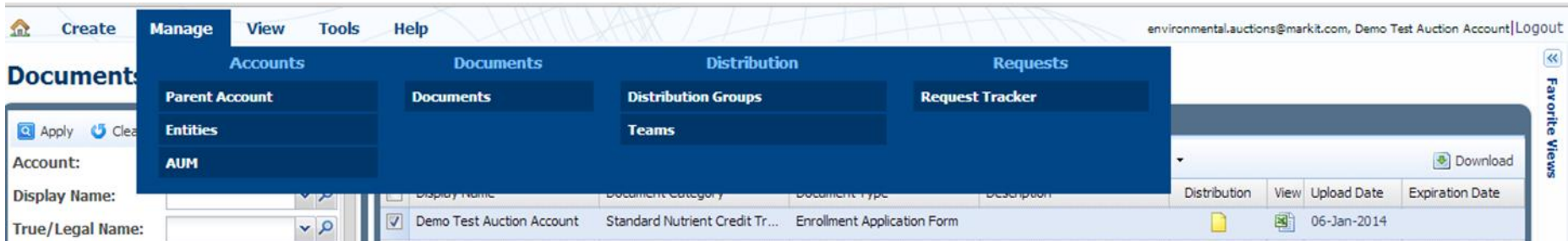
19. Read the Disclaimer portion
20. Click on "Submit" button.

DISCLAIMER

By executing this Enrollment Application Form, the undersigned acknowledges on behalf of the Applicant that it desires to become an Enrolled Participant and eligible user of the PENNVEST Clearinghouse. Applicant hereby certifies that the information provided herein is true and accurate to the best of his/her knowledge and belief, and represents full disclosure of the financial resources and assets of the applicant. Applicant hereby agrees that its use of PENNVEST's Clearinghouse services shall be in accordance with the terms and conditions contained the PENNVEST Nutrient Credit Clearinghouse Rulebook, a copy of which can be found on the PENNVEST Website at www.pennvest.state.pa.us. Applicant further acknowledges and agrees that its eligibility to utilize PENNVEST's Clearinghouse services is contingent upon receipt of a PENNVEST Eligibility Letter stipulating the terms and conditions of its eligibility.

Submitting Enrollment Application Form in Markit Counterparty Manager

21. Once Electronic Application Form is submitted
22. Navigate to "Documents" page
23. Select Enrollment Application form



The screenshot shows the Markit Counterparty Manager interface. The top navigation bar includes 'Create', 'Manage', 'View', 'Tools', and 'Help'. The user is logged in as 'environmental.auctions@markit.com, Demo Test Auction Account'. The 'Documents' page is active, and a navigation menu is overlaid on the left side of the page. The menu has four main sections: 'Accounts', 'Documents', 'Distribution', and 'Requests'. Under 'Accounts', there are 'Parent Account', 'Entities', and 'AUM'. Under 'Documents', there is 'Documents'. Under 'Distribution', there are 'Distribution Groups' and 'Teams'. Under 'Requests', there is 'Request Tracker'. The main content area shows a table of documents with columns for 'Distribution', 'View', 'Upload Date', and 'Expiration Date'. A document titled 'Enrollment Application Form' is visible, with an upload date of '06-Jan-2014'.

Distribution	View	Upload Date	Expiration Date
<input checked="" type="checkbox"/>		06-Jan-2014	

Submitting Enrollment Application Form in Markit Counterparty Manager

24. Select "More actions" menu item
25. Click on "Apply Rules" menu item
26. Document will be permissioned to PENNVEST

Note: This step must be taken in order for the documents to be viewable by PENNVEST. "Yellow" icon will turn "Green" when properly permissioned.

environmental.auctions@markit.com, Demo Test Auction Account|LOI

Create Manage View Tools Help

Documents

Apply Clear

Account:

Display Name:

True/Legal Name:

Client Identifier:

Document Category:

All Documents +

Display Name	Document Category	Document Type	Description	Apply Rules	Undo Rules	View	Upload Date	Expiration Date
<input checked="" type="checkbox"/>	Demo Test Auction Account	Standard Nutrient Credit Tr...	Enrollment Application Form	<input type="button" value="Apply Rules"/>	<input type="button" value="Undo Rules"/>	<input type="button" value="View"/>	06-Jan-2...	
<input type="checkbox"/>	Demo Test Auction Account	Constitutional Documents	Account Opening Form	<input type="button" value="Apply Rules"/>	<input type="button" value="Undo Rules"/>	<input type="button" value="View"/>	24-Dec-2...	

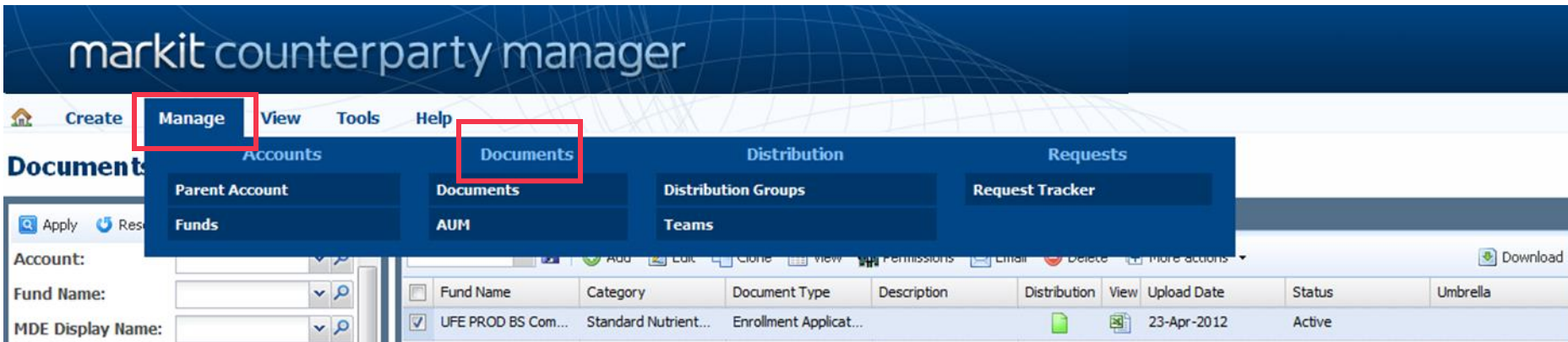
Make Public

Make Private

Updating Enrollment Application Form in Markit Counterparty Manager

Updating Enrollment Application Form in Markit Counterparty Manager

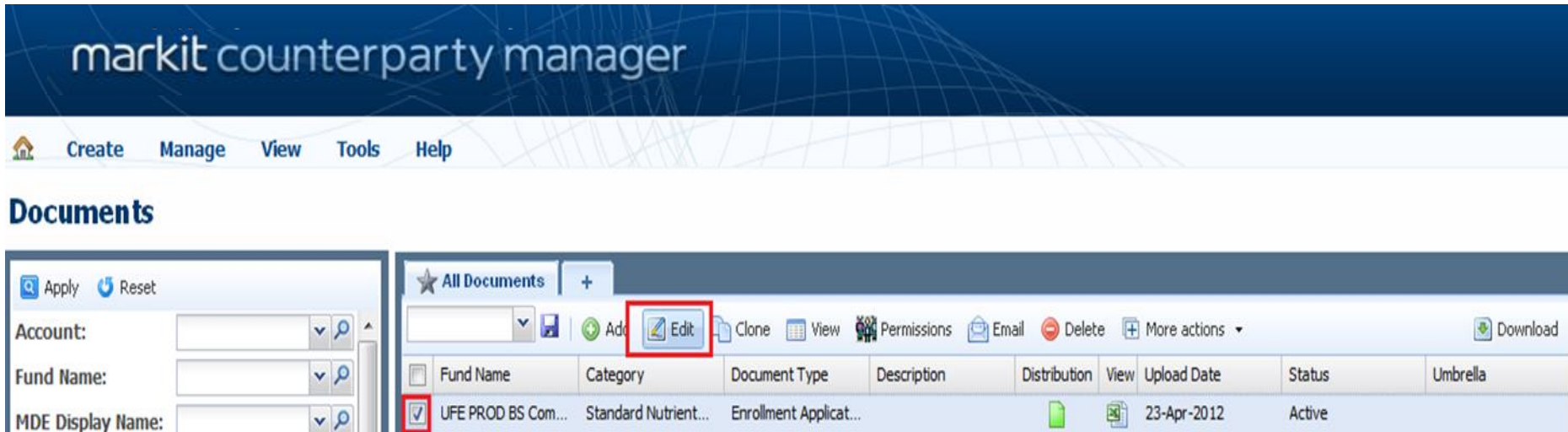
1. On the menu bar, hover over "Manage" menu item.
2. Click on "Documents" menu item.



The screenshot displays the Markit Counterparty Manager interface. The main header reads "markit counterparty manager". Below the header is a navigation bar with the following menu items: Create, Manage, View, Tools, and Help. The "Manage" menu item is highlighted with a red box. A dropdown menu is open under "Manage", showing the following options: Accounts, Documents, Distribution, and Requests. The "Documents" option in this dropdown is also highlighted with a red box. Below the dropdown menu, there are several sections: "Parent Account" and "Funds" on the left; "Documents" and "AUM" in the middle; "Distribution Groups" and "Teams" on the right; and "Request Tracker" on the far right. At the bottom of the interface, there is a table with columns: Fund Name, Category, Document Type, Description, Distribution, View, Upload Date, Status, and Umbrella. The first row of data shows: [checked] LIFE PROD BS Com..., Standard Nutrient..., Enrollment Applicat..., [document icon], [eye icon], 23-Apr-2012, Active.

Updating Enrollment Application Form in Markit Counterparty Manager

3. Select the Enrollment Application
4. Click on "Edit" menu item.



The screenshot shows the 'markit counterparty manager' interface. The navigation bar includes 'Create', 'Manage', 'View', 'Tools', and 'Help'. The 'Documents' section is active, displaying a table of documents. The 'Edit' button in the toolbar is highlighted with a red box. The document 'UFE PROD BS Com...' is selected, indicated by a red checkbox in the first column.

Fund Name	Category	Document Type	Description	Distribution	View	Upload Date	Status	Umbrella
<input checked="" type="checkbox"/>	UFE PROD BS Com...	Standard Nutrient...	Enrollment Applicat...			23-Apr-2012	Active	

Updating Enrollment Application Form in Markit Counterparty Manager

5. Enrollment Application Form will appear
6. All fields except for Auction type and Participant Type will be editable
7. Edit necessary information and click the "Submit" button

Enrollment Application Form

INSTRUCTIONS
[Please click on this link to view the instructions](#)

Account Name:	Demo Test Auction Account	Federal Tax Id Number:	00-0000000
Legal Structure:	Municipal Authority	State Vendor ID:	000000

Registered Address

Address 1: 620 8th Avenue
Address 2: 35th Floor
Town: New York City
City: New York
State: New York
Postcode/ZIP: 10018
Country: United States

Primary Contact Details

First Name: Jane Q.
Last Name: Public
Primary Contact Email: environmental.auctions@markit.com
Primary Contact Title: Manager
Primary Contact Telephone: 917-441-6919

Auction Date:

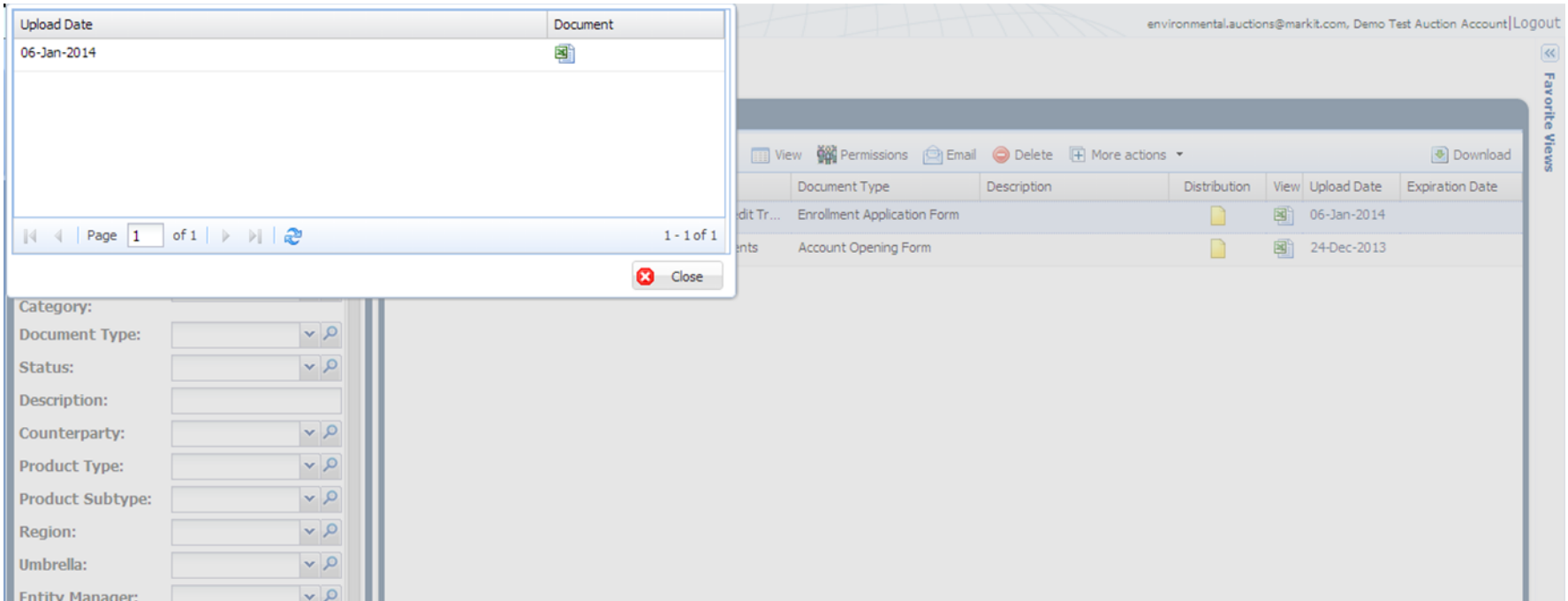
Spot Auction Forward Auction
 Seller Buyer

INPUT THE NUMBER OF CREDITS YOU WOULD LIKE TO BE PRE-QUALIFIED TO SELL IN THE UPCOMING CREDIT AUCTION


	Susquehanna Nitrogen	Susquehanna Phosphorus	Potomac Nitrogen	Potomac Phosphorus
2014	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00
2018	0.00	0.00	0.00	0.00
2019	0.00	0.00	0.00	0.00
2020	0.00	0.00	0.00	0.00
2021	0.00	0.00	0.00	0.00
2022	0.00	0.00	0.00	0.00
2023	0.00	0.00	0.00	0.00
2024	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00
2027	0.00	0.00	0.00	0.00
2028	0.00	0.00	0.00	0.00
2029	0.00	0.00	0.00	0.00
2030	0.00	0.00	0.00	0.00

Updating Enrollment Application Form in Markit Counterparty Manager

8. A new version will become available for the PENNVEST users







The screenshot displays the Markit Counterparty Manager interface. A modal window is open for document management, showing a table with the following data:

Upload Date	Document
06-Jan-2014	

The modal includes navigation controls at the bottom: Page 1 of 1, 1 - 1 of 1, and a Close button.

In the background, a document list table is visible with the following columns: Document Type, Description, Distribution, View, Upload Date, and Expiration Date. The table contains two rows:

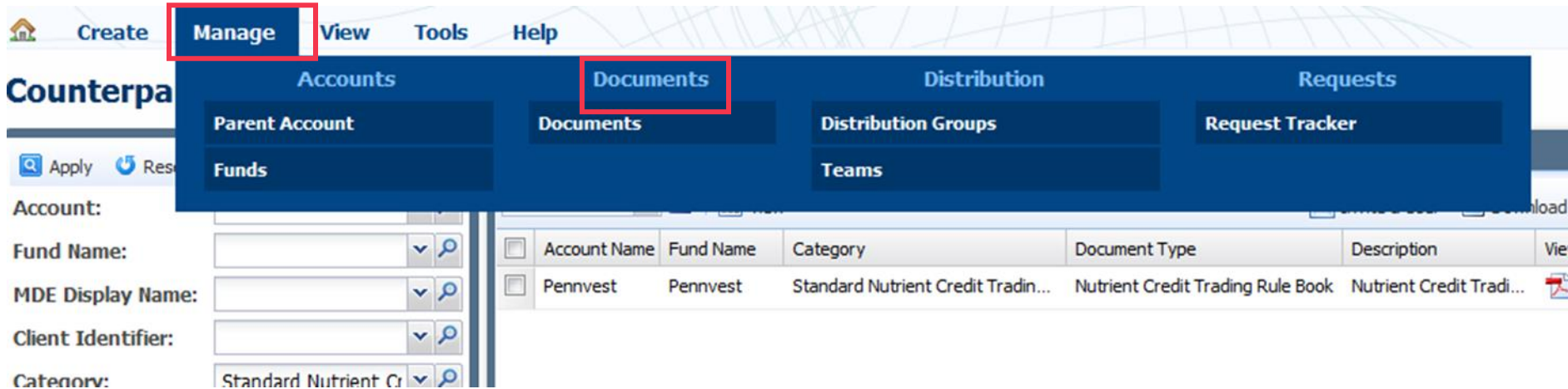
Document Type	Description	Distribution	View	Upload Date	Expiration Date
Enrollm...	Enrollment Application Form			06-Jan-2014	
Account...	Account Opening Form			24-Dec-2013	

Below the modal, a sidebar contains various filters and dropdown menus for document management, including Category, Document Type, Status, Description, Counterparty, Product Type, Product Subtype, Region, Umbrella, and Entity Manager.

Uploading documents for review into Markit Counterparty Manager

Uploading documents for review into Markit Counterparty Manager

1. On the menu bar, hover over "Manage" menu item.
2. Click on "Documents" menu item.

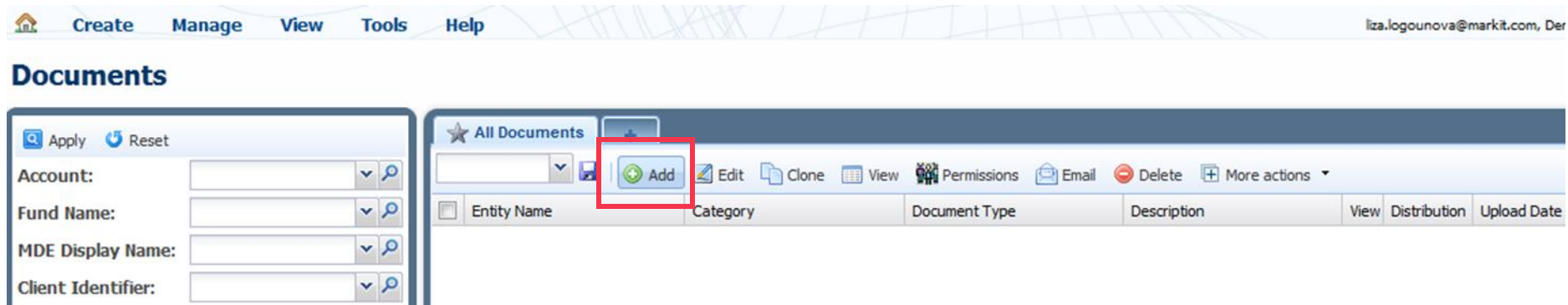


The screenshot shows the IHS Markit Counterparty Manager interface. The top navigation bar includes 'Create', 'Manage', 'View', 'Tools', and 'Help'. The 'Manage' menu is expanded, showing sub-menus for 'Accounts', 'Documents', 'Distribution', and 'Requests'. The 'Documents' sub-menu is highlighted with a red box, and it contains 'Parent Account', 'Funds', 'Documents', 'Distribution Groups', and 'Teams'. Below the menu, there are input fields for 'Account:', 'Fund Name:', 'MDE Display Name:', 'Client Identifier:', and 'Category:'. A table is visible in the background, showing columns for 'Account Name', 'Fund Name', 'Category', 'Document Type', and 'Description'.

Account Name	Fund Name	Category	Document Type	Description	View
<input type="checkbox"/>	Pennvest	Pennvest	Standard Nutrient Credit Tradin...	Nutrient Credit Trading Rule Book	Nutrient Credit Tradi...

Uploading documents for review into Markit Counterparty Manager

- Click on "Add" button.



The screenshot displays the Markit Counterparty Manager interface. At the top, there is a navigation bar with options: Create, Manage, View, Tools, and Help. The user's email address, liza.logounova@markit.com, is visible in the top right corner. The main section is titled "Documents". On the left, there is a sidebar with search filters for Account, Fund Name, MDE Display Name, and Client Identifier, each with a search icon and a dropdown arrow. The main content area shows a table titled "All Documents". The table has columns for Entity Name, Category, Document Type, Description, View, Distribution, and Upload Date. Above the table, there is a toolbar with buttons for Add, Edit, Clone, View, Permissions, Email, Delete, and More actions. The "Add" button is highlighted with a red box.

Entity Name	Category	Document Type	Description	View	Distribution	Upload Date
-------------	----------	---------------	-------------	------	--------------	-------------

Uploading documents for review into Markit Counterparty Manager

3. The Form below will appear. Fill out the following sections:
4. Entity: Select your company name from the drop-down list
5. Category: Select one of the three categories:
 - Standard Nutrient Credit Trading Documentation
 - Seller Nutrient Credit Trading Documentation
 - Buyer Nutrient Credit Trading Documentation
6. Description: Insert a description.
7. Document type: Select the document type relevant to the document you are uploading.
8. Browse in your files for the correct document
9. Select "Apply Rules" *[Note: This step must be taken in order for the documents to be viewable by PENNVEST]*

New Document

BASIC INFORMATION

Entity:	<input type="text"/>	Expiration Date:	<input type="text"/>
Category:	Standard Nutrient Credit Trading Documentation	Document Type:	Financial Statements
Description:	Financial Statement 2013		
	File:	<input style="border: 1px dashed red;" type="text"/> <input style="float: right;" type="button" value="Browse..."/>	

PERMISSION

Share Internally: <input checked="" type="checkbox"/>	Apply Rules: <input checked="" type="checkbox"/>
--	---

Uploading documents for review into Markit Counterparty Manager

10. Scroll to the bottom of the page and click on "Save"
11. Click "Exit"



Uploading documents for review into Markit Counterparty Manager

- Participants must complete the Enrollment Application Form and upload all required documents by **August 2nd** in order to be considered for the **September 6th Forward Auction**.
- * Markit Team will upload organizational documents on your behalf that you've submitted during the initial account set-up process (i.e. articles of incorporation, articles of formation, etc.)

Sellers / Buyers	Category	Document type	Instruction	Accepted file formats
Sellers and Buyers	Standard Nutrient Credit Trading Documentation	Corporate Authorization	Evidence that you are authorized to participate in the auction	PDF, TIFF
Sellers and Buyers	Standard Nutrient Credit Trading Documentation	Enrollment Additional Information	Provide any additional information they feel PENNVEST should be aware of in reviewing their enrollment application.	PDF, DOC, Excel, TIFF, etc
Sellers and Buyers	Standard Nutrient Credit Trading Documentation	Financial Statements	Provide copies of audited financial statements for the most recent three (3) years, or for individuals their latest filed tax return.	PDF, TIFF

Uploading documents for review into Markit Counterparty Manager

Sellers / Buyers	Category	Document type	Instruction	Accepted file formats
Sellers and Buyers	Buyer or Seller Nutrient Credit Trading Documentation	Resolution	A completed and executed Standard Resolution provide by PENNVEST on their website which authorizes an individual(s) to take official action on behalf of the participant represented.	PDF, TIFF
Sellers only	Sellers Nutrient Credit Trading Documentation	Evidence of Ownership	Seller to provide evidence of title to the credits.	PDF, TIFF
Sellers only	Sellers Nutrient Credit Trading Documentation	DEP Certification/ Verification Letter	Copy of DEP's certification/Verification of the credit generating project	PDF, TIFF
Buyers only	Buyers Nutrient Credit Trading Documentation	Evidence of Availability of Funds	Evidence of availability of funds	PDF, TIFF

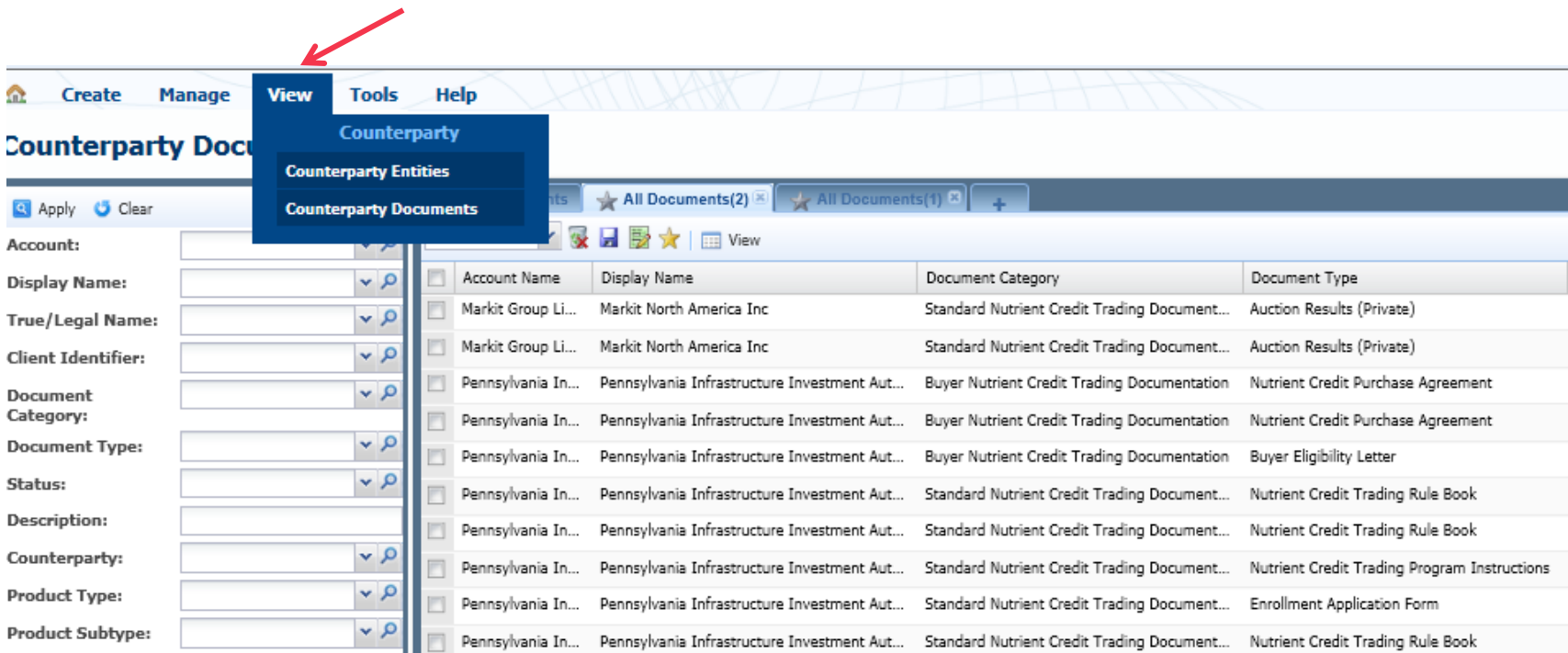
Reviewing results of your application

Reviewing results of your application

- PENNVEST will review all of your documentation and make a decision by **August 23rd** regarding your eligibility to participate in the **September 6th Forward Auction**.
- PENNVEST will upload their decision in the form of an **Eligibility Letter** in the Markit Counterparty Manager (MCM).
- You will receive automatic email notification from MCM notifying you that the Eligibility Letter has been permissioned for you to access within MCM.

Reviewing results of your application

1. On the menu bar, hover over "View"
2. Click on "Counterparty Documents" menu item.
3. Look for "Eligibility Letter" posted by PENNVEST.
4. Download this document and review the decision.



The screenshot shows the IHS Markit application interface. The 'View' menu is open, highlighting 'Counterparty Documents'. A red arrow points to the 'View' menu item. The main content area displays a table of counterparty documents.

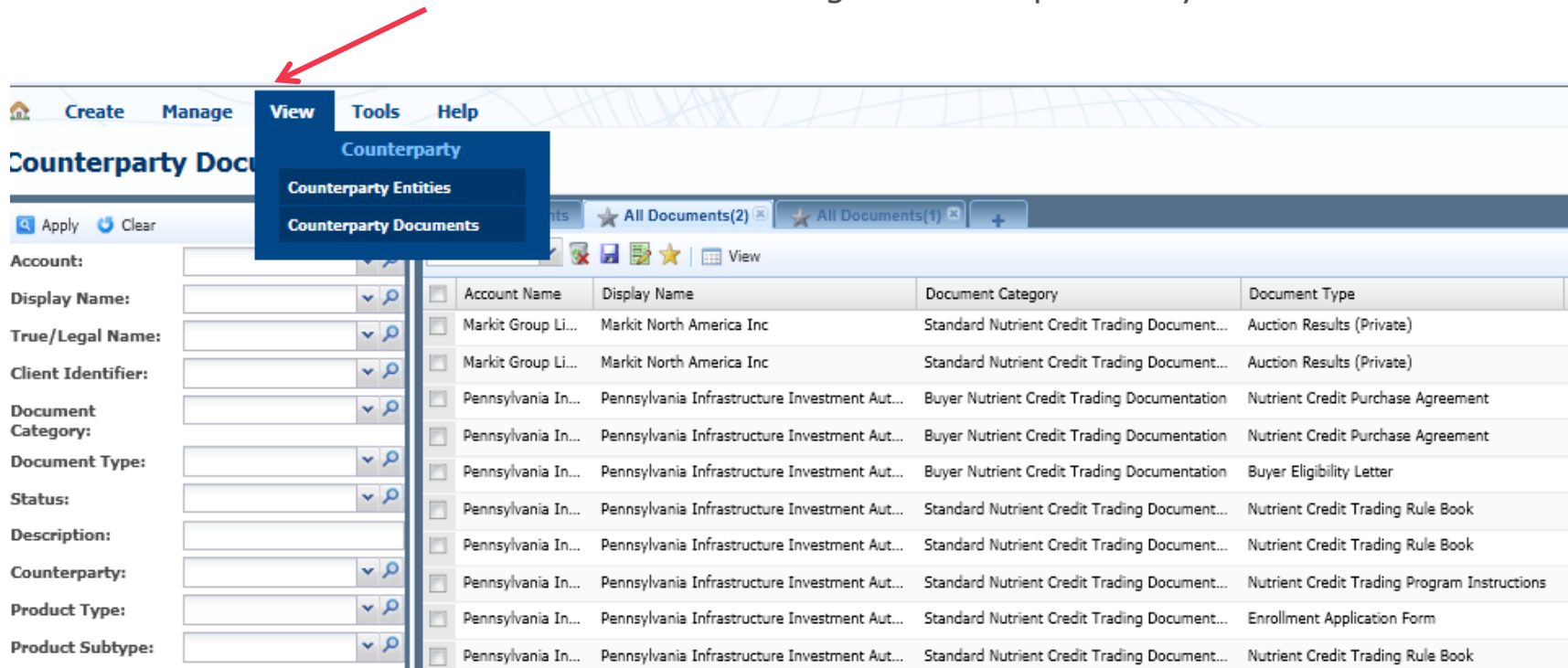
Account Name	Display Name	Document Category	Document Type	
<input type="checkbox"/>	Markit Group Li...	Markit North America Inc	Standard Nutrient Credit Trading Document...	Auction Results (Private)
<input type="checkbox"/>	Markit Group Li...	Markit North America Inc	Standard Nutrient Credit Trading Document...	Auction Results (Private)
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Buyer Nutrient Credit Trading Documentation	Nutrient Credit Purchase Agreement
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Buyer Nutrient Credit Trading Documentation	Nutrient Credit Purchase Agreement
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Buyer Nutrient Credit Trading Documentation	Buyer Eligibility Letter
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Rule Book
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Rule Book
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Program Instructions
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Enrollment Application Form
<input type="checkbox"/>	Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Rule Book

Reviewing results of your application

5. If you have been found to be eligible to participate in the upcoming Forward Auction, the following documents will be uploaded by PENNVEST in your “Counterparty Documents” folder, which require action as described in the Eligibility Letter:
 - Nutrient Credit **Sales Agreement** and Information Sheet (if you are applying as NCT Seller)
 - Nutrient Credit **Purchase Agreement** and Information Sheet (if you are applying as NCT Buyer)

Reviewing results of your application

6. On the menu bar, hover over "View"
7. Click on "Counterparty Documents" menu item.
8. Look for "Nutrient Credit Sales" or "Purchase Agreements" posted by PENNVEST.



The screenshot shows the IHS Markit application interface. The top navigation bar includes 'Create', 'Manage', 'View', 'Tools', and 'Help'. The 'View' menu is open, showing 'Counterparty Entities' and 'Counterparty Documents'. A red arrow points to the 'View' menu item. Below the menu, there is a search bar with 'Apply' and 'Clear' buttons. The main content area displays a table of documents with columns for 'Account Name', 'Display Name', 'Document Category', and 'Document Type'. The table lists various documents, including 'Standard Nutrient Credit Trading Document...' and 'Buyer Nutrient Credit Trading Documentation'.

Account Name	Display Name	Document Category	Document Type
Markit Group Li...	Markit North America Inc	Standard Nutrient Credit Trading Document...	Auction Results (Private)
Markit Group Li...	Markit North America Inc	Standard Nutrient Credit Trading Document...	Auction Results (Private)
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Buyer Nutrient Credit Trading Documentation	Nutrient Credit Purchase Agreement
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Buyer Nutrient Credit Trading Documentation	Nutrient Credit Purchase Agreement
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Buyer Nutrient Credit Trading Documentation	Buyer Eligibility Letter
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Rule Book
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Rule Book
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Program Instructions
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Enrollment Application Form
Pennsylvania In...	Pennsylvania Infrastructure Investment Aut...	Standard Nutrient Credit Trading Document...	Nutrient Credit Trading Rule Book

Reviewing results of your application

9. Download and review Nutrient Credit Sales or Purchase Agreement and Information Sheet.
10. Fill out Information Sheet and email to Heather Myers at hmyers@pa.gov.
11. Print and execute **three (3) original signature pages** for each of the Sales or Purchase Agreement posted by PENNVEST on Markit Counterparty Manager.
12. Mail all original signature pages to:
PENNVEST
Forum Building, Room 434
607 South Drive
Harrisburg, PA 17120
Attention: Heather Myers
13. All signature pages and purchasing funds, as appropriate, need to be received by PENNVEST no later than **September 5th , 2017** as detailed in the Eligibility Letter.

Reviewing results of your application

- Now you are ready to participate in the auction!
- Please join us for one of the following sessions on how to submit bids & offers and how to review your auction results:
 - **Wednesday, August 23, 2017** (9:00am to 10:00am)
 - **Wednesday, August 30, 2017** (9:00am to 10:00am)
- Please contact us if you have any questions or need additional information:
 - Environmental.auctions@markit.com
 - +1 917-441-6668
- PENNVEST contact:
 - Robert Boos at rboos@pa.gov, (717) 783-4493
- Training session presentation available here:
 - <http://www.markit.com/Product/Pennvest>

Thank you.

Disclaimer

The information contained in this presentation is confidential. Any unauthorised use, disclosure, reproduction or dissemination, in full or in part, in any media or by any means, without the prior written permission of IHS Markit or any of its affiliates ("IHS Markit") is strictly prohibited.

Opinions, statements, estimates and projections in this presentation (including other media) are solely those of the individual author(s) at the time of writing and do not necessarily reflect the opinions of IHS Markit. Neither IHS Markit nor the author(s) has any obligation to update this presentation in the event that any content, opinion, statement, estimate or projection (collectively, "information") changes or subsequently becomes inaccurate.

IHS Markit makes no warranty, expressed or implied, as to the accuracy, completeness or timeliness of any information in this presentation, and shall not in any way be liable to any recipient for any inaccuracies or omissions. Without limiting the foregoing, IHS Markit shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with any information provided, or any course of action determined, by it or any third party, whether or not based on any information provided.

The inclusion of a link to an external website by IHS Markit should not be understood to be an endorsement of that website or the site's owners (or their products/services). IHS Markit is not responsible for either the content or output of external websites.

Copyright ©2017, IHS Markit. All rights reserved and all intellectual property rights are retained by IHS Markit.