



Imbalance Resolution Enhancement Overview and Screen Procedures



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Introduction

Northern is pleased to offer the following imbalance resolution enhancements effective April 2005 for March production month imbalances. The implementation of these enhancements is based on the February 14, 2005, FERC approval of the system levelized account and imbalance resolution settlement (SLA Settlement) filed by Northern Natural Gas and its customers.

Imbalance Resolution Election Screen Enhancement

- Final production month transportation imbalance information will be posted to Flowing Gas for Shippers on the 9th Business day each month. March imbalance information will be posted on April 13.
- From the 9th-12th Business Day each month, Shippers **must** access the Imbalance Resolution Election Screen each month to indicate the method(s) they plan to utilize for resolution of their transportation imbalances. If an election is not made by the 12th Business Day, the imbalance will be cashed in/out at the applicable monthly imbalance price (MIP). This would mean that Shippers **must** access the Imbalance Resolution Election screen April 13-18 to indicate the method(s) they plan to utilize for resolution of their March transportation imbalances.
- Shippers must elect the imbalance resolution method(s) and specify the volumes for each method
- The transportation imbalance resolution methods available are:
 - Imbalance Trading
 - Imbalance to Storage
 - Cash In/Cash Out
 - In-Kind Payback (Available in June 2005, for May production month imbalance resolution)
- All transportation imbalance volumes not designated to be resolved by Imbalance Trading or Imbalance to Storage will be required to be cashed out with payment due the month the invoice is sent.
- Shippers will access the Imbalance Resolution Election screen via Flowing Gas <https://www.northernnaturalgas.com/customerActivities/FlowingGas.asp>.

Imbalance to Storage (after imbalance notification)

- The Shipper's elected Imbalance to Storage volume will be transferred to the Shipper's selected account on the 14th Business Day of the month imbalances are final and posted, subject to any limitation of the shipper's storage agreement and any storage inventory allocations (inventory allocations impact IDD contracts only).
- If a storage inventory allocation is in effect at the time of Imbalance Resolution elections (9th-12th Business Day each month), use of IDD agreements may be restricted. For example if the imbalance was due the Shipper and there was an inventory allocation in effect at the time the elections are made that limits the ability of IDD shippers to increase their IDD account balance, the Shipper would not be allowed to use an IDD agreement to resolve their imbalance. However, in this example, if the imbalance was due Northern, the Shipper would be allowed to use an IDD agreement to resolve the imbalance since the imbalance resolution would be a withdrawal.
- The current process checks for available MDQ to resolve the imbalance on a daily basis, which also determines the firm or interruptible (overrun) rate for storage and transportation associated with the Imbalance to Storage transaction. This process will be modified as follows:
 - The firm transportation commodity rate will be used for all Imbalance to Storage volumes up to the total unused monthly transportation MDQ for the contracts selected. The interruptible (overrun) rate will be used for any excess volumes.
 - The firm storage injection or withdrawal rate, as applicable, will be used for all Imbalance to Storage volumes up to the total unused monthly storage injection or withdrawal MDQ for the contracts selected. The overrun rate will be used for any excess volumes.
- Transportation and Storage charges associated with Imbalance to Storage transactions will be invoiced as prior period adjustments in the next billing cycle.
- Also effective for March production month imbalances, Shippers will be allowed to resolve their imbalances into the deferred delivery account of another Shipper, subject to receipt by Northern of an executed agreement between the transfer parties.
 - The Imbalance to Storage Across Legal Entities Transfer Form may be found at <https://www.northernnaturalgas.com/customeractivities/RequestForServicesForms.asp>.
 - This fully executed agreement must be provided to Northern Natural Gas by no later than 10:00 PM on the 12th Business Day to confirm the Imbalance to Storage election into the deferred delivery account of another Shipper.
 - The Imbalance to Storage election for transfer of the imbalance into the Deferred Delivery Account of another Legal Entity is not final nor confirmed until the executed Imbalance to Storage Across Legal Entities Transfer Form has been received by Northern Natural Gas. This form requires execution by both the imbalance party and the deferred delivery account party.

- Upon receipt of the executed Imbalance to Storage Across Legal Entities Transfer Form, an email will be sent to the Imbalance Party and the Deferred Delivery Account Party confirming the Imbalance to Storage selection.
- The Imbalance to Storage quantity specified on the executed Imbalance to Storage Across Legal Entities Transfer Form will be recorded into the identified Shipper's storage account on the 14th Business Day.
- If the executed Imbalance to Storage Across Legal Entities Transfer Form is not received by Northern by the 12th Business Day, an email will be sent to the Imbalance Party and the Deferred Delivery Account Party notifying them that the Imbalance to Storage selection has **not** been confirmed and the transportation imbalance will **not** be resolved or transferred into the identified storage account.
- If the executed Imbalance to Storage Across Legal Entities Transfer Form is not received within the time specified and the imbalance to storage selection is not confirmed, the volume identified to be resolved by Imbalance to Storage will be cashed in/out at the applicable monthly imbalance price (MIP).
- The imbalance party is responsible for any transportation charges associated with the transaction and the deferred delivery account party is responsible for all associated storage charges.
- Any residual imbalance resulting from the Shipper's storage agreement limitations will be cashed in/out at the applicable monthly imbalance price (MIP).
- Transportation imbalance prior period adjustments (PPAs) will be cashed in/out at the applicable monthly imbalance price (MIP).

Screen Procedures

The Imbalance Resolution Plan election screen may be accessed on the N-ergy website, Customer Activities, Flowing Gas, <https://www.northernnaturalgas.com/customerActivities/FlowingGas.asp>.

The Shipper specific election screen will be accessed based on Flowing Gas security.

The screenshot shows a web browser window displaying the Northern Natural Gas website. The address bar shows the URL: <https://www.northernnaturalgas.com/customerActivities/FlowingGas.asp>. The website header includes navigation tabs for News, Safety, Environment, Services, Management Team, and Our Vision and Mission. The main content area is titled "Customer Activities" and features a "Flowing Gas Reports" section. A login dialog box is overlaid on the page, titled "Connect to moweb.northernnaturalgas.c...", with fields for "User name:" and "Password:", and a "Remember my password" checkbox. A red arrow points to the "Imbalance Resolution" link in the left-hand navigation menu.

Customer Activities

Flowing Gas Reports

Northern Natural Gas Company the reports can be viewed, pri

If the Web site has not been p Software Package. If you do n to download a free version of

If you are not a current customeer Activities Sign up Form. For n how to navigate through these on-line reports or to answer any additional questions you may have regarding these flow please contact your NNG Customer Representative.

The following is a listing and brief description of each accounting report available.

- [Allocation](#)
- [Daily Volume Allocation](#)
- [Shipper Imbalance](#)
- [Measurement Information](#)
- [Contract Imbalance](#)
- [Imbalance Confirmation Letter](#)

Imbalance Resolution - Welcome SHIPPER1

Imbalance Resolution for
Production Month: **3/2005**

Select a Legal Entity: **Select Legal Entity**

Continue **Clear**

- 1) When the Shipper selects Imbalance Resolution, the above screen will appear.
- 2) The Shipper will then select the correct Legal Entity from the drop down box. If the individual is a representative for multiple Legal Entities, these will appear in the drop down box.
- 3) After the applicable Legal Entity has been selected, click on **Continue**

Imbalance Resolution - Welcome SHIPPER1

Imbalance Resolution for
Production Month: **3/2005**


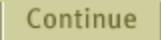
Select a Legal Entity:

If you want to select Imbalance Trading only for multiple agent relationships click

Select Legal Entity to make individual agent relationship elections

Select a Legal Entity:

- 1) If the Shipper is an Agent, they will see the above screen when they log-in. They have three options:
 - a. Make an election for Agent only
 - If the Agent wants to make specific elections to resolve their transportation imbalance, they would select the applicable Legal Entity from the first drop down box.
 - After the applicable Legal Entity has been selected, click on
 - b. Select Imbalance Trading **only** for multiple agent relationships
 - If the Agent wants to select Imbalance Trading Only for multiple agent relationships, click 'Here' (as shown in the middle of the above screen).
 - A separate screen will then display identifying the following information for each agent relationship:
 - Legal Entity Name
 - Applicable transportation imbalance
 - Direction of imbalance (Due NNG or Due Svc REQ)
 - An Imbalance Trading column will also be displayed and will be populated with the total transportation imbalance for each Legal Entity.

- A check box is also provided and will be already populated. If an Agent does not wish to resolve the imbalance for a specific Legal Entity through Imbalance Trading, they may clear the check box.
 - The Agent will then click on .
 - The Agent would then be returned to the initial screen to make additional elections for any remaining agent relationships.
- c. Make elections on an individual basis for each agent relationship
- For example, this option would be used for agent relationships that the Agent did not choose to use Imbalance Trading for in Option 'b' above.
 - The Agent would use the second drop down box to select the applicable Legal Entity to make individual agent relationship elections.
 - After the applicable Legal Entity has been selected, click on .

LE#: 13812 - GASCO ONE, INC. for Production Month of 03/2005
Please indicate your choice(s) for Imbalance Resolution

Imbalance	1245	DUE TO NNG
Imbalance To Storage	<input type="text" value="0"/>	
Imbalance Trading	<input type="text" value="0"/>	
Cash In/Out	<input type="text" value="1245"/>	

- 1) This screen will always provide the following information:
 - a) Legal Entity Number and Name
 - b) Production Month
 - c) Total volumetric Imbalance to be resolved
 - d) DUE SVC REQ or DUE NNG
- 2) Cash In/Out is the default imbalance resolution method, so upon entering this screen, the total volumetric imbalance will be in the Cash In/Out box.
- 3) The Shipper may choose to resolve their current month transportation imbalance by any combination of the three method(s): Imbalance to Storage, Imbalance Trading, and/or Cash In/Out.
- 4) The Cash In/Out amount will automatically adjust as the Shipper enters a volume in Imbalance to Storage and/or Imbalance Trading.
- 5) This screen will not allow the Shipper to enter any volume greater than the imbalance to be resolved.
- 6) When input on this screen is complete, click on

Your Imbalance Resolution Summary for 13812 - GASCO ONE, INC.
Production Month of 3/2005

Imbalance Resolution Summary

Imbalance to Storage:	500
Imbalance Trading:	500
Cash IN/OUT:	245

- 1) This screen provides the Shipper a confirmation/summary of their elections for imbalance resolution.
- 2) If the Shipper would like to make adjustments to their elections, click . This will take the Shipper back to the previous screen and allow them to edit their elections.
- 3) If the Shipper agrees with the summary, click
- 4) If the Shipper chose Imbalance Trading and/or Cash In/Out, the Imbalance Resolution selection process is now complete.
- 5) If the Shipper chose Imbalance to Storage as one of their imbalance resolution methods, they will then be taken to the next screen for additional information.

Imbalance to Storage Election Screen

Instructions:

1. Select a contract from the **All Contracts** list and use the 'Add' button to move it to the **Selected Contracts** column for the transportation and storage contract(s) that you want to utilize for this transaction,
2. You may also use the 'Remove' button to make any changes to your selections.
3. To select an overrun contract, double click on the applicable contract in the **Selected Contracts** column.
4. A Shipper may elect to utilize their storage contract(s) or the Deferred Delivery Account of another Shipper.
5. Please see instructions below if you are utilizing the Deferred Delivery Account of another Shipper.

Legal Entity: **13812 - GASCO ONE, INC.**

Production Month: **3/2005**

Transportation Contracts

<p>All Contracts</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;">200005-IT</div> <div style="display: flex; justify-content: flex-end; gap: 10px; margin-top: 5px;"> Add Remove </div>	<p>Selected Contracts</p> <ol style="list-style-type: none"> 1. 200006-FT 2. 200011-FT 3. 4. 5. 	<p>Transportation OverRun</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">200011-F</div> <div style="display: flex; justify-content: flex-end; gap: 10px; margin-bottom: 10px;"> CLR </div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> ▲ ▲ ▼ ▼ </div>
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Your own Storage Contracts

<p>All Contracts</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;">200004-ID</div> <div style="display: flex; justify-content: flex-end; gap: 10px; margin-top: 5px;"> Add Remove </div>	<p>Selected Contracts</p> <ol style="list-style-type: none"> 1. 200003-FD 2. 3. 4. 5. 	<p>Storage OverRun</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">200003-F</div> <div style="display: flex; justify-content: flex-end; gap: 10px; margin-bottom: 10px;"> CLR </div> <div style="display: flex; flex-direction: column; align-items: center; gap: 10px;"> ▲ ▲ ▼ ▼ </div>
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IMBALANCE TO STORAGE ACROSS LEGAL ENTITIES TRANSFER

Shippers may resolve their imbalances into the deferred delivery account of another Shipper, subject to receipt by Northern of the executed Imbalance to Storage Across Legal Entities Transfer Form. The Imbalance to Storage Across Legal Entities Transfer Form can be found at [Request for Services Forms](#)

Based on the executed Imbalance to Storage Across Legal Entities Transfer Form, please provide the applicable storage contract number.

Continue
Go Back

- 1) If a Shipper selects Imbalance to Storage to resolve all or a portion of their imbalance, they must provide additional information on this screen.
- 2) This screen will automatically display all active TF, TFX and TI transportation contracts and all active FDD and IDD storage contracts for the Legal Entity selected based on Flowing Gas security.
- 3) To utilize the Imbalance to Storage resolution method, the Shipper must choose at least one transportation and one storage contract. The Shipper may choose a maximum of five transport and storage contracts.
 - a) Shippers can resolve their imbalance into the deferred delivery account of another shipper, subject to receipt by Northern of an executed Imbalance to Storage Across Legal Entities Form. This will be discussed later in these procedures.
- 4) The Shipper may select overrun on any active TF or TFX contract or they may choose a TI contract to be used for any imbalance volumes in excess of the total unused monthly transportation MDQ.
- 5) If the Shipper does not choose an overrun contract, any imbalance volumes in excess of the total unused monthly transportation MDQ will not be resolved into storage and will be cashed in/out at the applicable monthly imbalance price (MIP).
- 6) The Shipper may select overrun on any active FDD agreement or they may choose a IDD agreement to be used for any imbalance volumes in excess of the total unused monthly storage injection or withdrawal MDQ.
- 7) If the Shipper does not choose an overrun contract, any imbalance volumes in excess of the total unused monthly storage injection or withdrawal MDQ will not be resolved into storage and will be cashed in/out at the applicable monthly imbalance price (MIP).
- 8) When the Shipper has selected the applicable transportation and storage contract(s), click **Continue**.

Select a POINT

Select a point for each Storage Contract [NNG Storage Points](#)

200003 98 - OGDEN DEF. DELIVERY

Continue Go Back

- 1) This screen will display all storage contracts selected on the previous screen.
- 2) A drop down box will be provided, identifying all storage points available on each contract.
- 3) Shipper must select the storage point for each contract that they want to utilize for the Imbalance to Storage transaction.
- 4) When the Shipper has identified the storage point for all contracts selected, click on **Continue**.
- 5) If the Shipper would like to make adjustments to their contract selections, click **Go Back**. This will take the Shipper back to the previous screen and allow them to edit their contract selections.

Your Imbalance To Storage Summary for Production Month of 3/2005

Your Election has been recorded.

Contracts in your election:

Transportation Contract(s): 200006, 200011

Storage Contract(s) & Point(s): 200003-98

Done

Back to Imbalance to Storage Page

- 1) This screen is provided to confirm all of the Shipper selections for Imbalance to Storage.
- 2) If the Shipper would like to make adjustments to their elections, click **Back to Imbalance to Storage Page**. This will take the Shipper back to the main Imbalance Resolution Election Screen which will provide them an option to edit their selections.
- 3) If the Shipper is satisfied with their elections, click **Done** .

Imbalance Resolution - Welcome SHIPPER1

Your current effective elections.
[13812 - GASCO ONE, INC.](#) 3/2005

Imbalance Resolution for
Production Month: 3/2005

Select a Legal Entity:

Select Legal Entity to make individual agent relationship elections

Select a Legal Entity:

- 1) A Shipper may edit a previous election anytime between the 9th and the 12th Business Day.
- 2) No changes/edits may be made after 10:00 PM on the 12th Business Day.
- 3) Shipper would click on the link provided for the election that they would like to edit.

Election Detail Information	
Select your desired action	
Legal Entity Name	GASCO ONE, INC.
Legal Entity Number	13812
Start Date	3/1/2005
End Date	3/31/2005
Total Imbalance	1245 (DUE TO NNG)

Imbalance Resolutions	
Method	Amount
Imbalance to Storage	500
CASH IN/OUT	245
Imbalance Trade	500

Imbalance To Storage			
Transportation Overrun Contract #			200011
Storage Overrun Contract #			200003
Contract Number	Contract Priority Sequence	Contract Type	Point Number
200003	1	S	98
200006	1	T	
200011	2	T	
Change		Go Back	

- 1) This screen allows you to review your election as previously submitted.
- 2) If the Shipper clicks on [Change](#), they will be able to change any of the election criteria previously selected.
- 3) If after reviewing the election, the Shipper decides to not make any changes, they can click on [Go Back](#), which will return the Shipper to the main Imbalance Resolution Election Screen.

Imbalance to Storage Election Screen

Instructions:

1. Select a contract from the **All Contracts** list and use the 'Add' button to move it to the **Selected Contracts** column for the transportation and storage contract(s) that you want to utilize for this transaction,
2. You may also use the 'Remove' button to make any changes to your selections.
3. To select an overrun contract, double click on the applicable contract in the **Selected Contracts** column.
4. A Shipper may elect to utilize their storage contract(s) or the Deferred Delivery Account of another Shipper.
5. Please see instructions below if you are utilizing the Deferred Delivery Account of another Shipper.

Legal Entity: **13812 - GASCO ONE, INC.**

Production Month: **3/2005**

Transportation Contracts

<p>All Contracts</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;">200005-IT</div> <div style="text-align: right; margin-top: 5px;"> <input type="button" value="Add"/> <input type="button" value="Remove"/> </div>	<ol style="list-style-type: none"> 1. 2. 3. 4. 5. 	<p>Selected Contracts</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;"> <div style="background-color: #800000; color: white; padding: 2px;">200006-FT</div> 200011-FT </div>	<ol style="list-style-type: none"> ▲ ▲ ▼ ▼ 	<p>Transportation OverRun</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;"> <div style="background-color: #800000; color: white; padding: 2px;">200006-F</div> <div style="text-align: center; margin-top: 10px;"> <input type="button" value="CLR"/> </div> </div>
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Your own Storage Contracts

<p>All Contracts</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;">200003-FD 200004-ID</div> <div style="text-align: right; margin-top: 5px;"> <input type="button" value="Add"/> <input type="button" value="Remove"/> </div>	<ol style="list-style-type: none"> 1. 2. 3. 4. 5. 	<p>Selected Contracts</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;"></div>	<ol style="list-style-type: none"> ▲ ▲ ▼ ▼ 	<p>Storage OverRun</p> <div style="border: 1px solid black; padding: 5px; min-height: 80px;"> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="text-align: center; margin-top: 10px;"> <input type="button" value="CLR"/> </div> </div>
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IMBALANCE TO STORAGE ACROSS LEGAL ENTITIES TRANSFER

Shippers may resolve their imbalances into the deferred delivery account of another Shipper, subject to receipt by Northern of the executed Imbalance to Storage Across Legal Entities Transfer Form. The Imbalance to Storage Across Legal Entities Transfer Form can be found at [Request for Services Forms](#)

Based on the executed Imbalance to Storage Across Legal Entities Transfer Form, please provide the applicable storage contract number.

200002

- 1) As stated previously, this screen will automatically display all active TF, TFX and TI transportation contracts and all active FDD and IDD storage contracts for the Legal Entity selected based on Flowing Gas security.
- 2) A Shipper may utilize their own storage agreement(s) or they may resolve their imbalances into the deferred delivery account of another Shipper, subject to receipt by Northern of the executed Imbalance to Storage Across Legal Entities Transfer Form. This form is posted on the Northern website at <https://www.northernnaturalgas.com/customeractivities/RequestForServicesForms.asp>.
- 3) A Shipper is not required to have an active storage agreement in place to utilize Imbalance to Storage.
- 4) If a Shipper does want to resolve their imbalance using the Deferred Delivery account of another Legal Entity, based on the executed Imbalance to Storage Across Legal Entities Transfer Form, the Shipper must provide the applicable storage contract number on this screen.
- 5) When the Shipper has selected the applicable transportation contract(s) and identified the applicable storage contract based on the executed agreement, click Continue.

Select a POINT

Imbalance to Storage Across Legal Entities

You have selected to resolve your imbalance into the Deferred Delivery Account of another Party.

Legal Entity: **GASCO TWO, INC.**

Storage Contract: **200002**

Please select a point for this contract: **3 - OGDEN DEF. DELIVERY**

[NNG Storage Points](#)

Continue **Go Back**

- 1) This screen will prompt the Shipper: "You have selected to resolve your imbalance into the Deferred Delivery account of another Party."
- 2) The Legal Entity for the Storage Contract that the Shipper provided on the previous screen will be displayed. If this is not the correct Legal Entity with which the Shipper has executed an agreement, by clicking on 'Go Back', the Shipper may re-enter the appropriate storage contract number.
- 3) A drop down box will be provided, identifying all storage points available on the identified contract. Shipper must select the applicable storage point.
- 4) The Storage Contract, Storage Point and volume to be transferred must all agree with information identified on the executed Imbalance to Storage Across Legal Entities Transfer Form.
- 5) When the Shipper has confirmed the Legal Entity and identified the storage point, click on **Continue**.

Your Imbalance To Storage Summary for Production Month of 3/2005

Your Election has been recorded.

IMBALANCE TO STORAGE ACROSS LEGAL ENTITIES TRANSFER CONFIRMATION SCREEN

This Imbalance to Storage election for transfer of the imbalance into the -Deferred Delivery Account of another Legal Entity is not final nor confirmed -until the executed Imbalance to Storage Across Legal Entities Transfer -Form has been received by Northern Natural Gas. This fully executed agreement must be provided to Northern Natural Gas by no later than 10:00 PM on the 12th Business Day. Please fax the executed Imbalance to Storage Across Legal Entities Form to Northern Natural Gas Customer Service (402)548-5281. The Across Legal Entities Transfer Form may be found on the [Request for Services Forms Page](#).

Contracts in your election:

Transportation Contract(s):	200006, 200011
Storage Contract(s) & Point(s):	200002-98

Done

[Back to Imbalance to Storage Page](#)

- 1) This screen is provided to confirm the Shipper's selection for Imbalance to Storage, including transfer into the Deferred Delivery Account of another Legal Entity.
- 2) As noted on the screen, the Imbalance to Storage election for transfer of the imbalance into the Deferred Delivery Account of another Legal Entity is not final nor confirmed until the executed Imbalance to Storage Across Legal Entities Transfer Form has been received by Northern Natural Gas.
- 3) The Imbalance to Storage Across Legal Entities Transfer Form may be found at <https://www.northernnaturalgas.com/customeractivities/RequestForServicesForms.asp>.
- 4) If the executed Imbalance to Storage Across Legal Entities Transfer Form is not received within the time specified and the imbalance to storage selection is not confirmed, the volume identified to be resolved by Imbalance to Storage will be cashed in/out at the applicable monthly imbalance price (MIP).
- 5) If the Shipper agrees with the confirmation summary, click **Continue**.
- 6) If the Shipper would like to make adjustments to their elections, click **Go Back**. This will take the Shipper back to the previous screen and allow them to edit their selections.