

Ministry of Energy, Mines and Petroleum Resources

Natural Gas Pricing System

Producer Manual

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Introduction

The BC Ministry of Energy, Mines and Petroleum Resources has developed a web based Natural Gas Royalty Pricing System (NGPS) that enables BC gas producers to input or upload gas sales and cost of service data online to calculate the monthly natural gas reference prices used for gas royalty assessment.

Features of the NGPS for gas producers include:

- Input or upload gas sales and cost of service data;
- Query natural gas volume data;
- Perform ad hoc producer price calculations;
- Estimate reference price used for royalty estimate payment;
- Generate Reference Price Report for current and previous production months;
- Amend reference price as needed.

Each Producer will need a **BCeID** in order to be able to access the NGPS. If your company already has a BCeID, please ensure each individual user that will require access to the NGPS gets assigned a user name and password. If your company doesn't have a **BCeID** yet, please apply for one as it is required to access NGPS.

If you have any questions, please feel free to contact us at:

Email: pdata.pdata@gov.bc.ca

Phone: (778) 698-7100

Accessing the System

Logging In

To begin log in, navigate to site: <u>https://a100.gov.bc.ca/ext/ngps</u>

Enter USER ID and Password

- 1) Select Continue
- 2) If you have forgotten your user ID or password, select Forgot your user ID or password?
- 3) If you need to register an account select Register for a BCeID

Userid			
Use a Business or Basi	c BCelD		
Password			
Continue	2		
Forgot your user ID	or password?		

Natural Gas Volume

Volume Master

From the NGPS Home Menu, navigate to Volume >Volume Master

- 1) Select the **Start Period** in the drop down list.
- 2) Enter additional search criteria: End Period, Producer, Shipper, Plant, Receipt Point, production Source, WEI Volume, Operator, Pipeline, Levy, Approved, Royalty Payable, and BC Production. (Optional)
- 3) Click the **Search** button.
- 4) Reset will clear all fields.
- 5) Create Excel Extract will create an excel spreadsheet of search results.

Volume Master		
Search Criteria		
Start Period 201701 V	End Period	
Producer	Shipper	
Plant	Receipt Point	
Production Source	WEI Volume?	¥
Operator	Pipeline	
Levy	Approved?	¥
Royalty Payable?	BC Production?	¥
Search Reset Create Excel Extract		
results		
Production Producer Producer Shipper Month Code Code	Shipper Plant Plant Marketable Code Plant 10 ³ m ³	Marketable GJ 1

Natural Gas Sales

Sales Entry

Sales Data Entry Search

From the NGPS Home Menu, navigate to Natural Gas Sales >Sales Entry

Note: Sales Entries will only need to be submitted manually if a producer does not have Sales records automatically generated by uploading the data.

<u>Sales Entry Search</u>: Even if there is no record that exists for the desired Effective Period, this search needs to take place in order to create a new record.

- 1) Select the production month in the **Effective Period** drop down list.
- 2) Select a **Producer** by searching via producer name or producer code.
- 3) Click the Search button.
- If a Sales Record exists for this production month, your Producer Title will be displayed in the Sales Entry Search Results box. (Screenshot 1 displays a successful Sales Entry search for "ABC Energy" in the production month 2016-01)

Sales Entry Search Effective Period Producer Search	(2016 ABC	501 T			
Producer	Delete	Status	Change Status To		
ABC Energy-9999	Delete	Review	Producer Entry Pendin	g Approved	
					Add New Producer

(If a **Sales Record** does not appear in the **Sales Entry Search Results** area, see Manual Item: <u>Add New</u> <u>Parent Sales Entry</u>, this will be required for every new production month).

5) Click on the name of the **Producer** under the **Sales Entry Search Results** to access the **Sales Details** screen.

This will **only** be available if the **Status** of the record is set to **Producer Entry.** Contact the Ministry Pricing assistant for assistance if this is not the case.

Add New Parent Sales Entry

From the NGPS Home Menu, navigate to Natural Gas Sales >Sales Entry

 Click the Add New Producer button on the Sales Entry screen. You will be directed to a new Sales Details screen. The Sales Details will display any transactions that have been automatically generated from a producer upload.

Sales Entry		
Sales Entry Search		
Effective Period	201701 🔻	
Producer	ABC Energy	
Search		
Sales Entry Search Re	sults	
		Add New Producer

- 2) In order to upload a new **Parent Sales Entry**, select the correct **Effective Period** from the drop-down list on the **Sales Details** screen.
- 3) Click **Save** to keep the changes, without submitting to record to the Ministry, or changing the status.
- 4) Click **Cancel/Return** in order to return to the **Sales Entry** screen.

<u>Sales Details</u>		
Sales Effective Period 201701	Producer 9999 - ABC ENERGY ×	Status
Sales Details		

- 5) The system should display a **Confirmation Message**; if the **Parent Sales Record** was successfully created.
- Note: if the desired TTP or Buyer is not available on the list of options, contact the Ministry staff in order to have them added to the system correctly.

Add/Edit Sales Details

From the NGPS Home Menu, navigate to Natural Gas Sale >Sales Entry, select the Effective Period and click Add New Producer to access the Parent Sales Record.

- 1) Beginning at the *Sales Details* screen, click **Add New** in order to add a new sales detail to the record.
- 2) Click **Copy** in order to duplicate an existing record's TTP and Buyer to a new entry.
- 3) Add a comment to the transaction detail by clicking on the "C" at right hand side of the screen.
- 4) After filling in all mandatory fields, and other desired information, the user clicks "**Save**" in order to keep the current sales record.

Sales														_	
Effectiv	e Period 201601	Producer ABC Energy-99999	9 Status Prod	ucer Entry											
Pool Pric	es														
Pool Prid	CE Type	CDN\$/GJ 2.5000 2.0000													
Sales De	tails													_	
Save	Submit Cancel/Retur	n										(Add r	New)
com	TTP •	Buyer *	Sales Volume Vol	ume Type	Total GJs	Sales Revenue(\$)	Adjustments(\$)	Currenc	у Туре	Net Revenue(CDN\$)	Sales Unit Price(CDN\$/GJ)	Transaction S ID D	Sales Deemed		
Сору	9 86 STODDART FUEL R	31 BONTERRA ENERGY C	22,000 [®] GJ		22,000 [45,500.00		(AD	USD	45,500.00	2.0682			с	×
Сору	9586 STODDART FUEL R	31 BONTERRA ENERGY C	25,000 ^(*) GJ	ммвти	25,000	59,000.00		() CAD	USD	59,000.00	2.3600			с	×
Сору	1234 BROOKS TEST	237 CANADIAN NATURAL	32,000 (GJ	ммвти	32,000 [54,000.00		CAD	USD	54,000.00	1.6875			с	×
Сору	1234 BROOKS TEST	237 CANADIAN NATURAL	17,000 GJ	 ММВТU	17,000	39,000.00		e cad		39,000.00	2.2941			с	×

Add/Edit Alberta/Alliance Sales

- 1) Enter Alberta/Alliance Pool Price into appropriate field
- 2) Select Save.
- 3) An Alberta/Alliance Pool price will be auto-generated using the entered pool price and the gas gigajoules from the Volume Master for a plant that has gas delivered to TransCanada/Alliance pipeline accordingly.

Γ	Pool Prices	
	Pool Price Type	CDN\$/GJ
	ALBERTA POOL PRICE	
Ľ	Sales Details	
	Save Cancel/Return	

Delete Sales Record

From the NGPS Home Menu, navigate to Natural Gas Sales >Sales Entry

1) From the *Sales Entry* screen, find the Sales Record you wish to delete, and click on the "Delete" button for that entry. The delete button appears as a red "X" at the right hand side of the screen.

Sales														
Effective	Period 201601 P	roducer ABC Energy-999999	Status	Producer Entry										
Pool Price	·													
Pool Price ALBERTA ALLIANCE	e Type POOL PRICE POOL PRICE	CDN\$/GJ 2.5000 2.0000												
Sales Deta	nils													
Save	Submit Cancel/Return											Ad	d New	
сору	ттр •	Buyer *	Sales Volume	Volume Type	Total GJs	Sales Revenue(\$)	Adjustments(\$)	Curren	сү Түре	Net Revenue(CDN\$)	Sales Unit Price(CDN\$/GJ)	Transaction Sales ID Deemed		
Сору	9586 STODDART FUEL RI	31 BONTERRA ENERGY C	22,000	GJ MMBTU	22,000 [45,500.00		(® CAD	USD	45,500.00	2.0682		с	×
Сору	9586 STODDART FUEL RI	31. BONTERRA ENERGY C	25,000	GJ MMBTU	25,000	\$9,000.00		(AD	USD	\$9,000.00	2.3600		с	×
Сору	1234 BROOKS TEST	237 CANADIAN NATURAL	32,000	GJ MMBTU	32,000 [\$4,000.00		() CAD	USD	\$4,000.00	1.6875		с	×
Сору	1234 BROOKS TEST	237 CANADIAN NATURAL	17,000	G MMBTU	17,000	39,000.00		(AD	USD	39,000.00	2.2941		с	×

Submitting to the Ministry

From the NGPS Home Menu, navigate to Natural Gas Sales >Sales Entry

1) After you have finalized your entries, select the *Submit* button located next to the *Save* button; once selected you will no longer be able to edit entries. (*Note: If you need to edit an entry after it has been submitted you will need to contact a PA to reverse the Status*)

Color															
Effectiv	e Period 201601	Producer ABC Energy-999999	Status	Producer Entry											
Pool Pric	es														_
Pool Pri ALBERT ALLIANC	ce Type A POOL PRICE E POOL PRICE	CDN\$/G3 2.5000 2.0000													
Sales De	tails														
Save	Submit ancel/Return												Add Ne	W	
сору	TTP *	Buyer *	Sales Volume	Volume Type	Total GJs	Sales Revenue(\$)	Adjustments(\$)	Curren	су Туре	Net Revenue(CDN\$)	Sales Unit Price(CDN\$/G3)	Transaction ID	Sales Deemed		
Сору	9586 STODDART FUEL RI	31 BONTERRA ENERGY C	22,000	GJ MMBTU	22,000	45,500.00		() CAD	USD	45,500.00	2.0682			c	×
Сору	9586 STODDART FUEL RI	31 BONTERRA ENERGY C	25,000	⊛ ⊖ GJ MMBTU	25,000	59,000.00		() CAD	USD	59,000.00	2.3600		(с	×
Сору	1234 BROOKS TEST	237 CANADIAN NATURAL	32,000	 В 0 В 0	32,000	\$4,000.00		CAD	USD	\$4,000.00	1.6875			c	×
Сору	1234 BROOKS TEST	237 CANADIAN NATURAL	17,000	G MMBTU	17,000	39,000.00		(AD		39,000.00	2.2941			с	×

Cost of Service

COS Entry

Cost of Service (COS) Data Entry Search

From the NGPS Home Menu, navigate to Cost of Service>COS Entry

Note: A parent record **must be** created for COS entries to auto-populate (i.e. GCA Rates and West Coast Energy Invoices)

- 1) Select the **Effective Period** in the drop down list.
- 2) Click the **Search** button.
- 3) If a Parent COS Record exists, it will be displayed by the system in the Cost of Service Data Entry Search Results box

(If a **Parent COS Record** does not appear in the **Cost of Service Data Entry Search Results** area, see Manual Item: <u>"Add New Parent COS Record"</u>).

4) Click on the name of the Producer to access the COS Details screen, and to Add a COS Entry (See Edit COS Entry)

Cost of Service Data Entry Effective Period Producer Search	Entry Search 201601 ABC Energy	RCH				
Cost of Service Data Entry	Search Resul	ts				
Producer Delete	Status	Change Status To]	
ABC Energy-9999 Delete	Pending	Producer Entry	Review	Approved		
						Add New Producer

Add New Parent COS Record

- 1) Click the Add New Producer button. You will be directed to a new *Cost of Service Data Entry- Create/Edit* screen.
- 2) In order to upload a new **Parent COS Record**, select the correct **Effective Period** from the drop-down list on the **Cost of Service Data Entry- Create/Edit** screen.
- 3) Click Save
- 4) Click Cancel/Return in order to return to the Cost of Service Data Entry screen.

Cost of Service D	ata Entry Search	
Cost of Service Data E	ntry Search	
Effective Period	201609 🔻	
Producer	ABC Energy	
Search		
Cost of Service Data E	ntry Search Results	
		Add New Producer

- 5) The system should display a **Confirmation Message**, if the **Parent COS Record** was successfully created.
- If the Record was not created successfully, an **Error message** will be displayed in red font near the top of the screen. Fix the error, and repeat the above steps to finish creating the record.

Add/Edit COS Entry

From the NGPS Home Menu, navigate to Cost of Service>COS Entry

- 1) Beginning at the *Cost of Service Data Entry Create/Edit* screen, click Add New in order to add a new Sales detail to the COS record.
- 2) Click **Copy** in order to duplicate an existing record.
- 3) After filling in all mandatory fields, and other desired information, the user clicks **Save** in order to keep the current COS record.

Cost of Service Data Entry	Create / Edit											
Cost of Service												_
Effective Period 201601	Producer ABC Energy-9999		Status Pending									
Cost of Service Detail												
											5	
Save Cancel/Return									Add	New	/	
copy Provider *	Routing Code *	Service Type *	Invoice Type	Invoice Id	Issue #	Marketable 10 ³ m ³	Marketable GJ	Actual Cost CDN\$ *	CDN\$/GJ			
Copy 2774 - WESTCOAST E	NE EXP-EPX	TS - T-SOUTH ▼	Adjustment 🔻				138,940	55,576.00	0.4000	С	А	×
Copy 960 - VERESEN ENER	GY MW Test RC5-MWRC5	TREAT - Treat 🔻	3rd Party Serv ▼	1235] 0		1,000	750.00	0.7500	С	Α	×
Copy 2774 - WESTCOAST E	NE Stoddart-STODDA	TNLH - T-Nort V	Adjustment 🔻		0		1,000	130.00	0.1300	С	Α	×
Copy 960 - VERESEN ENER	GY MW Test RC 4-MWRC4	TREAT - Treat 🔻	3rd Party Serv 🔻	1234] 0		1,000	800.00	0.8000	С	Α	×
Copy 2774 - WESTCOAST E	NE MW Test RC 4-MRC4	TNLH - T-Nort V	3rd Party Serv 🔻				10,000	1,300.00	0.1300	с	A	×
CANADIAN NATURAL RESOUR	CES LIMITED Stoddart	TREAT	G - GCA			3,966	173,217	81,148.02	0.4685	С	Α	
MURPHY OIL COMPANY LTD.	Murphy Tupper West	TREAT	G - GCA			10,000	400,000	550,000.00	1.3750	С	Α	
MURPHY OIL COMPANY LTD.	Murphy Tupper West	TREAT	G - GCA			10,000	400,000	550,000.00	1.3750	С	A	

Delete Cost of Service Record

From the NGPS Home Menu, navigate to Cost of Service>COS Entry

 From the *Cost of Service* screen, find the Sales Record you wish to delete, and click on the "Delete" button for that entry. The delete button appears as a red "X" at the right hand side of the screen.

Cost o	F SERVICE DATA ENTRY - CREAT	<u>e / Edit</u>										
ost of S	ervice											
Effecti	ve Period 201601	Producer ABC Energy-9999		Status Pending								
ost of S	ervice Detail											
Save	Cancel/Return									Add	New]
сору	Provider *	Routing Code *	Service Type	Invoice Type	Invoice Id	Issue #	Marketable 10 ³ m ³	Marketable GJ	Actual Cost CDN\$ *	CDN\$/GJ		
Сору	2774 - WESTCOAST ENE	EXP-EPX	TS - T-SOUTH V	Adjustment 🔻		0		138,940	55,576.00	0.4000	с	AX
Сору	960 - VERESEN ENERGY	MW Test RC5-MWRC5	TREAT - Treat 🔻	3rd Party Serv 🔻	1235	0		• 1,000	750.00	0.7500	С	4 ×
Сору	2774 - WESTCOAST ENE	Stoddart-STODDA	TNLH - T-Nort V	Adjustment 🔻		0		1,000	130.00	0.1300	с	×
Сору	960 - VERESEN ENERGY	MW Test RC 4-MWRC4	TREAT - Treat 🔻	3rd Party Serv 🔻	1234	0		• 1,000	800.00	0.8000	С	A 🗙
Сору	2774 - WESTCOAST ENE	MW Test RC 4-MRC4	TNLH - T-Nort V	3rd Party Serv ▼		0		10,000	1,300.00	0.1300	с	AX
	CANADIAN NATURAL RESOURCES LIMI	TED Stoddart	TREAT	G - GCA			3,966	173,217	81,148.02	0.4685	С	A
	MURRING OT COMPANY LTD	Mumbur Tunner West	TREAT	G - CCA			10.000	400.000	550,000,00	1 2750	0	

Submitting to the Ministry

From the NGPS Home Menu, navigate to Cost of Service>COS Entry

2) After you have finalized your entries, select the *Submit* button located next to the *Save* button; once selected you will no longer be able to edit entries. (*Note: If you need to edit an entry after it has been submitted you will need to contact a PA to reverse the Status*)

<u>Cost of Service Data Entry - C</u>	<u> Create / Edit</u>								
Cost of Service									
Effective Period 201601	Producer ABC	Energy-999999	Statu	IS PRODUCER ENTI	RY				
Cost of Service Detail									\exists
Save Cancel/Return Submit								Add New	
copy Provider * R	Routing Code *	Service Type *	Invoice Type	Invoice Id Iss	ue Marketable # 10 ³ m ³	Marketable GJ	Actual Cost CDN\$ *	CDN\$/GJ	
Copy - ×-		× -Select- •	-Select- 🔻					C A	×
									_

Cost of Service Master

Cost of Service Master

From the NGPS Home Menu, navigate to Cost of Service>Cost of Service Master

- 1) Select the **Start Period** in the drop down list.
- 2) Enter additional search criteria: End Period, Producer, Submission Status, Provider, Routing Code, Service Type Code, Invoice Type, and Invoice Id. (Optional)
- 3) Click the **Search** button.

Cost of Service Master		
rSearch Criteria		
Start Period	End Period	
Producer	Submission Status -Select-	
Provider	Routing Code]
Service Type Code -Select-	Invoice Type -Select-	
Invoice Id		
Search Reset Create Excel Extract		
Results		
Production Producer Producer Submission Month Code Status	Provider Provider Routing Routing Code Provider Code Descript	ion

- 4) Reset will clear all fields.
- 5) **Create Excel Extract** will create an excel spreadsheet of search results.

Producer File Upload

Producer Sales and COS File Upload

From NGPS Home Menu, navigate to Producer File Upload>Producer Sales and COS File Upload

Note: Any secondary upload will add onto existing entries.

- 1) Select the **Production Month** in the drop down list.
- 2) Click the **Choose File** Button in either the **Producer Sales File**, or the **Producer Non-Wei COS File** box, to select a file to upload.
- 3) Choose either the **Yes** or **No** circles in order to **Submit** the data to the Ministry or not upon successful file upload. (*Note: Yes acts as a Save and Submit; whereas, No acts as a Save*)
- 4) Once a file has been selected, click the **Upload** button to complete the upload process

Producer COS and Sales File Uploads	
Producer Information	
Production Month 201610 Producer ABC Energy - 999999	
Producer Sales File-	
Status of Sales data for period and producer: N/A	
Previously Uploaded File for period and producer: None	
Submit data to Ministry upon successful file upload: O Yes ONO	
Upload new file: Choose File No file chosen	
Producer Non-Wei COS File	
Status of COS data for period and producer: N/A	
Previously Uploaded File for period and producer: None	
Submit data to Ministry upon successful file upload: O Yes No	
Upload new file: Choose File No file chosen	
Upload Results	_
Error Code File Type Line Number Column Number Data	

5) Any **Errors** the system detects in the file will be displayed in the **"Upload Results"** square at the bottom of the screen. Fix the data, and re-upload the file to resolve the issue and complete the upload.

Producer Reference Price

Calculate Reference Price

From NGPS Home menu, navigate to Producer Reference Price>Calculate Reference Price.

1) From the Calculate Reference Price Screen, select the correct Production Period.

Calculate Reference Price	
(Search	
Production Period	201709
Producer	999999 - ABC Energy X
Generate Report	

- 2) Once the **Production Period** has been selected, the **Generate Report** button will appear, allowing you to **Select Report Types** and **Report Format.**
- 3) Once you have selected all desired **Report Types** and **Report Format**, click **Generate Report**.
- 4) The corresponding reports will be created for viewing, or download on your computer.

Calculate Reference Pric	e				
C ^{Search}					
Production Period	201709	¥			
Producer	999999 - ABC Energy X				
Generate Report					
			Producer Price Re	port	
				Sales Report	
			Select Report Types	COS Report	
EST				Price Report	
La construction of the second s			Report Format	PDF	
			Generate Report		
					Cancel

Amendments

*Producers need to contact the Ministry staff to make changes once the pricing information has been submitted online.

- 1) Pricing Analyst will change status back to Producer Entry
- 2) Pricing Analyst will review the changes and generate a new version of the Producer Report
- 3) Producer will receive a notification for a revised producer price report

Reports

Monthly Transaction Summary (MTS) Report

From NGPS Home menu, navigate to Report>MTS Report

- 1) Select desired **Production month** from drop down list.
- 2) Enter in which **Producer** you wish to view.
- 3) Select preferred **Report Format**: PDF or Excel.
- 4) Click Generate Extract to retrieve data.
- 5) Reset will clear all fields.

MTS REPORT	
Search Criteria	
Production Month 201701	
Producer	
Report Format PDF V	
Generate Extract Reset	

Sales transactions for Alberta/Alliance are auto-generated using the **Energy** (Gigajoules) associated with **To_Nodes** that indicate the gas flows to Alberta/Alliance (as shown on the MTS Report) and the manually entered Alberta/Alliance Pool price. Please refer to <u>Add/Edit Alberta/Alliance Sales</u> section for details.

References

For more information regarding BC natural gas royalties and Pricing please refer to:

Oil and Gas Royalty Handbook

Monthly Natural Gas Pricing Submission Guidelines

Pricing Order

Petroleum and Natural Gas Royalty and Freehold Production Tax Regulation