

Schema Design – Contract Price Change

GDAR Design
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Revision History

Date	Version	Description	Author
October 3, 2003	0.1	Initial Creation	Michael Benovich, Sapien Corporation
October 4, 2003	0.2	Internal Review revisions	Vu Pham-Tran, Sapien Corporation
October 5,	0.3	Business Descriptions added	Vu Pham-Tran, Sapien Corporation
October 7,	0.4	Schema Changes applied and examples updated to appendix	Vu Pham-Tran, Sapien Corporation

1 Schema Specifications – Contract Price Change Request

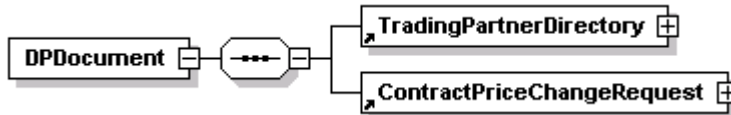
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

1.1 DPDocument

Description

This is the root element of the transaction request and contains attributes that describe the XML document and the type of transaction that the XML document represents.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none">None
Child Elements	<ul style="list-style-type: none">TradingPartnerDirectoryContractPriceChangeRequest
Type	xs:complexType
Facets	N/A
Source Design	<pre><xs:element name="DPDocument"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartnerDirectory"/> <xs:element ref="ContractPriceChangeRequest"/> </xs:sequence> <xs:attribute name="Version" use="required"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="99999999.99"/> <xs:fractionDigits value="3"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="DocumentDefinitionName" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="ContractPriceChangeRequest"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/> <xs:attribute name="CreationDate" type="xs:date" use="required"/> </xs:complexType> </xs:element></pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML schema that corresponds to this document. Currently, the version of the schema is

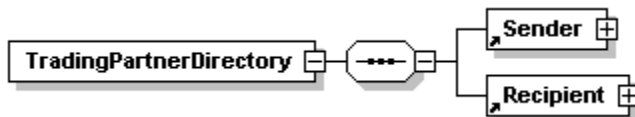
				1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be: <i>ContractPriceChangeRequest</i>
VendorDocumentReference	xs:string	Optional	N/A	This is a variable identifier that does not have any format. It is intended for submitting parties to track specific request to response documents. The gas distributor will not modify the value in this field and will always return this same value in the response that was listed in the request.
CreationDate	xs:date	Required	YYYY-MM-DD	This is the creation date of the document. It does not reflect the time the document was submitted, nor the time the request was processed.

1.1.1 TradingPartnerDirectory

Description

This is the header information containing the information on the parties involved in the transmission of the document.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> DPDocument
Child Elements	<ul style="list-style-type: none"> Sender Recipient
Type	xs:complexType
Facets	N/A

Source Design	<pre> <xs:element name="TradingPartnerDirectory"> <xs:complexType> <xs:sequence> <xs:element ref="Sender"/> <xs:element ref="Recipient"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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Attribute Specifications

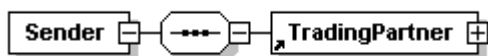
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.1.1 Sender

Description

This element contains information of the sender of the document. For this schema, the information belongs to the Vendor submitting the request document.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> TradingPartnerDirectory
Child Elements	<ul style="list-style-type: none"> TradingPartner
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="Sender"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartner"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

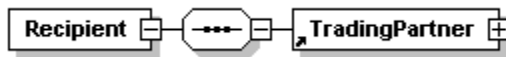
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.1.2 Recipient

Description

This element contains information of the recipient of the document. For this schema, the information belongs to the Gas Distributor receiving the request document.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> TradingPartnerDirectory
Child Elements	<ul style="list-style-type: none"> TradingPartner
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="Recipient"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartner"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

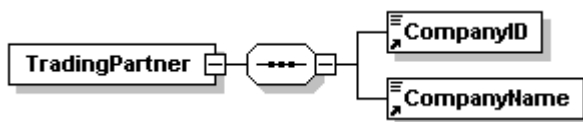
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.1.2.1 TradingPartner

Description

This element contains information of the sender or recipient of the document. For this schema, the sender information belongs to the vendor and the recipient information belongs to the Gas Distributor.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> Sender Recipient
Child Elements	<ul style="list-style-type: none"> CompanyID CompanyName
Type	xs:complexType
Facets	N/A

Source Design	<pre> <xs:element name="TradingPartner"> <xs:complexType> <xs:sequence> <xs:element ref="CompanyID"/> <xs:element ref="CompanyName"/> </xs:sequence> <xs:attribute name="ParticipantType" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="Distributor"/> <xs:enumeration value="Retailer"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>
----------------------	---

Attribute Specifications

Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = <i>"Retailer"</i> and the Recipient's ParticipantType = <i>"Distributor"</i>.</p>

1.1.1.2.1.1 CompanyID

Description

This element contains the unique identifier of the company identified by the TradingPartner. If the TradingPartner is the sender of the document for this particular schema type, the value listed is the Distributor's identifier for the Vendor. For example, Vendors who submit to Enbridge Gas Distribution will use the SLAID while Vendors who submit to Union Gas Limited will use the Vendor's Dun & Bradstreet number (DUNS).

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="CompanyID"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.1.2.1.2 *CompanyName*

Description

This element contains the company's name, either the Vendor if it is the Sender for this document type or the Distributor if is the Recipient for this document type.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="CompanyName"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

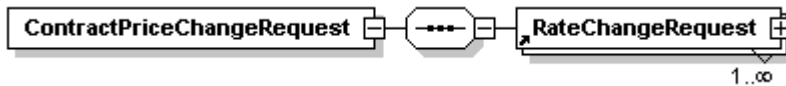
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2 *ContractPriceChangeRequest*

Description

This is the body element containing the rate change requests.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> DPDocument
Child Elements	<ul style="list-style-type: none"> RateChangeRequest
Type	xs:complexType
Facets	N/A

Source Design	<pre> <xs:element name="ContractPriceChangeRequest"> <xs:complexType> <xs:sequence> <xs:element ref="RateChangeRequest" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
----------------------	---

Attribute Specifications

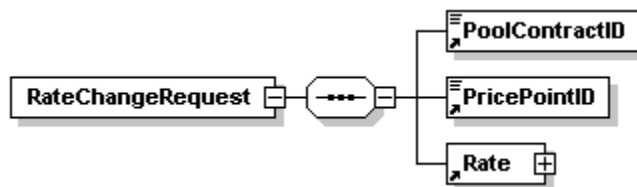
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1 RateChangeRequest

Description

This is the container element for the specific details of the rate changes.

Layout



Element Specifications

Usage	Required – Unbounded
Parent Elements	<ul style="list-style-type: none"> ContractPriceChangeRequest
Child Elements	<ul style="list-style-type: none"> PoolContractID PricePointID Rate
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="RateChangeRequest"> <xs:complexType> <xs:sequence> <xs:element ref="PoolContractID"/> <xs:element ref="PricePointID"/> <xs:element ref="Rate"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.1 PoolContractID

Description

This is the identifier for the contract/pool.

Layout

PoolContractID

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeRequest
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	<ul style="list-style-type: none">minLength = 0maxLength = 40
Source Design	<pre><xs:element name="PoolContractID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.2 PricePointID

Description

This is the identifier for the price point the rate changes are to be applied to.

Layout

PricePointID

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeRequest
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	<ul style="list-style-type: none">minLength = 0maxLength = 40
Source Design	<pre><xs:element name="PricePointID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

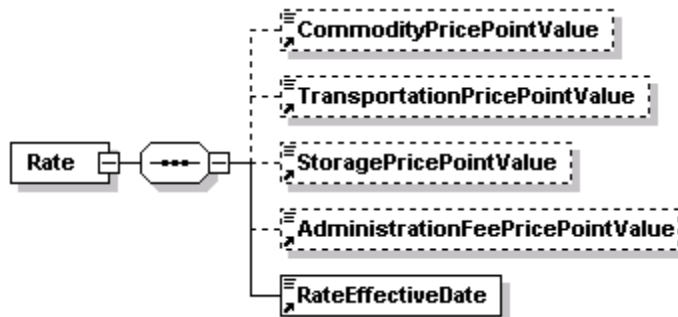
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.3 Rate

Description

This is the container element for the rate specific data.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeRequest
Child Elements	<ul style="list-style-type: none">CommodityPricePointValueTransportationPricePointValueStoragePricePointValueAdministrationFeePricePointValueRateEffectiveDate
Type	xs:complexType
Facets	N/A
Source Design	<pre><xs:element name="Rate"> <xs:complexType> <xs:sequence> <xs:element ref="CommodityPricePointValue" minOccurs="0"/> <xs:element ref="TransportationPricePointValue" minOccurs="0"/> <xs:element ref="StoragePricePointValue" minOccurs="0"/> <xs:element ref="AdministrationFeePricePointValue" minOccurs="0"/> <xs:element ref="RateEffectiveDate"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.3.1 CommodityPricePointValue

Description

This is where the new commodity rate should be listed. If there is no change, the tag should not be included. If the tag is included and left empty, that implies that the rate is 0.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:double
Facets	N/A
Source Design	<xs:element name="CommodityPricePointValue" type="xs:double"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.3.2 *TransportationPricePointValue*

Description

This is where the new transportation rate should be listed. If there is no change, the tag should not be included. If the tag is included and left empty, that implies that the rate is 0.

Layout

 **TransportationPricePointValue**

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:double
Facets	N/A
Source Design	<xs:element name="TransportationPricePointValue" type="xs:double"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.3.3 *StoragePricePointValue*

Description

This is where the new storage rate should be listed. If there is no change, the tag should not be included. If the tag is included and left empty, that implies that the rate is 0.

Layout

 **StoragePricePointValue**

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None

Type	xs:double
Facets	N/A
Source Design	<xs:element name="StoragePricePointValue" type="xs:double"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.3.4 AdministrationFeePricePointValue

Description

This is where the new administration rate should be listed. If there is no change, the tag should not be included. If the tag is included and left empty, that implies that the rate is 0.

Layout

AdministrationFeePricePointValue

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:double
Facets	N/A
Source Design	<xs:element name="AdministrationFeePricePointValue" type="xs:double"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

1.1.2.1.3.5 RateEffectiveDate

Description

This is the date on which the rate changes are to take effect.

Layout

RateEffectiveDate

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:date
Facets	N/A
Source Design	<xs:element name="RateEffectiveDate" type="xs:date"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2 Schema Specifications – Contract Price Change Response

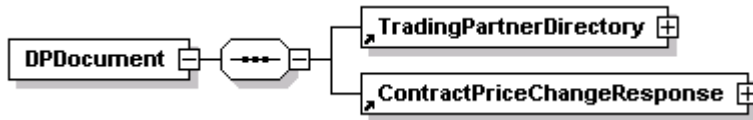
The following is a list of element and attribute specifications for the XML schema. It will contain formatting constraints, type values, layout and any additional information such as the applicable business uses for the fields.

2.1 DPDocument

Description

This is the root element of the transaction request and contains attributes that describe the XML document and the type of transaction that the XML document represents.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none">None
Child Elements	<ul style="list-style-type: none">TradingPartnerDirectoryContractPriceChangeResponse
Type	xs:complexType
Facets	N/A
Source Design	<pre><xs:element name="DPDocument"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartnerDirectory"/> <xs:element ref="ContractPriceChangeResponse"/> </xs:sequence> <xs:attribute name="Version" use="required"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="0.0"/> <xs:maxInclusive value="99999999.99"/> <xs:fractionDigits value="3"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="DocumentDefinitionName" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="ContractPriceChangeResponse"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/> <xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/> <xs:attribute name="CreationDate" type="xs:date" use="required"/> </xs:complexType> </xs:element></pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
Version	xs:decimal	Required	N/A	The version of the XML

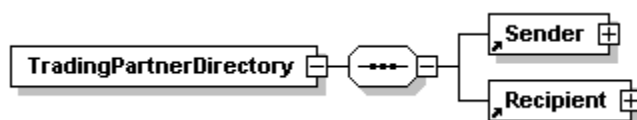
				schema that corresponds to this document. Currently, the version of the schema is 1.2
DocumentDefinitionName	xs:NMTOKEN	Required	Enum	The value contained for this attribute must be equivalent to the body element of the schema. For example, this schema requires that the value be: <i>ContractPriceChangeResponse</i>
VendorDocumentReference	xs:string	Optional	N/A	This is a variable identifier that does not have any format. It is intended for submitting parties to track specific request to response documents. The Gas Distributor will not modify the value in this field and will always return this same value in the response.
DistributorDocumentReference	xs:string	Optional	N/A	This is the distributor's document tracking identifier of the response document. It will only be populated by Union Gas.
CreationDate	xs:date	Required	YYYY-MM-DD	This is the creation date of the document.

2.1.1 TradingPartnerDirectory

Description

This is the header information containing the information on the parties involved in the transmission of the document.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> DPDocument
Child Elements	<ul style="list-style-type: none"> Sender Recipient
Type	xs:complexType

Facets	N/A
Source Design	<pre> <xs:element name="TradingPartnerDirectory"> <xs:complexType> <xs:sequence> <xs:element ref="Sender"/> <xs:element ref="Recipient"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

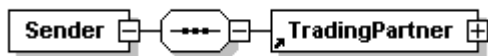
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.1.1 Sender

Description

This element contains information of the sender of the document. For this schema, the information belongs to the Distributor sending the response document.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> TradingPartnerDirectory
Child Elements	<ul style="list-style-type: none"> TradingPartner
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="Sender"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartner"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

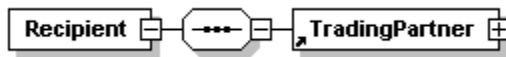
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.1.2 Recipient

Description

This element contains information of the recipient of the document. For this schema, the information belongs to the Vendor receiving the response document.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> TradingPartnerDirectory
Child Elements	<ul style="list-style-type: none"> TradingPartner
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="Recipient"> <xs:complexType> <xs:sequence> <xs:element ref="TradingPartner"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

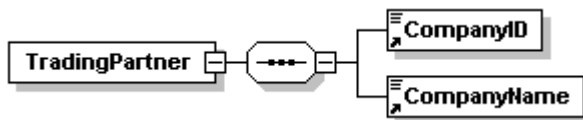
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.1.2.1 TradingPartner

Description

This element contains information of the sender or recipient of the document. For this schema, the sender information belongs to the Gas Distributor and the recipient information belongs to the vendor receiving the document.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> Sender Recipient
Child Elements	<ul style="list-style-type: none"> CompanyID CompanyName
Type	xs:complexType
Facets	N/A

Source Design	<pre> <xs:element name="TradingPartner"> <xs:complexType> <xs:sequence> <xs:element ref="CompanyID"/> <xs:element ref="CompanyName"/> </xs:sequence> <xs:attribute name="ParticipantType" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="Distributor"/> <xs:enumeration value="Retailer"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>
----------------------	---

Attribute Specifications

Name	Type	Usage	Facets	Description
ParticipantType	xs:NMTOKEN	Required	Enum	<p>The role that the particular party plays in the submission.</p> <p>For this schema, the Sender's ParticipantType = "Distributor" and the Recipient's ParticipantType = "Retailer".</p>

2.1.1.2.1.1 CompanyID

Description

This element contains the unique identifier of the company identified by the TradingPartner. If the TradingPartner is the recipient of the document for this particular schema type, the value listed is the Distributor's identifier for the Vendor. For example, Vendors who receive from Enbridge Gas Distribution will see an SLAID while Vendors who receive from Union Gas Limited will see the Vendor's Dun & Bradstreet number (DUNS).

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="CompanyID"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

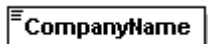
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.1.2.1.2 *CompanyName*

Description

This element contains the company's name, either the Vendor if it is the Recipient for this document type or the Distributor if is the Sender for this document type.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> TradingPartner
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	N/A
Source Design	<pre> <xs:element name="CompanyName"> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

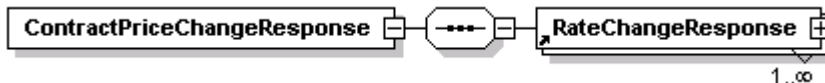
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2 *ContractPriceChangeResponse*

Description

This is the body element containing all the price change responses.

Layout



Element Specifications

Usage	Required – Exactly Once
Parent Elements	<ul style="list-style-type: none"> DPDocument
Child Elements	<ul style="list-style-type: none"> RateChangeResponse
Type	Xs:complexType
Facets	N/A

Source Design	<pre> <xs:element name="ContractPriceChangeResponse"> <xs:complexType> <xs:sequence> <xs:element ref="RateChangeResponse" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
----------------------	---

Attribute Specifications

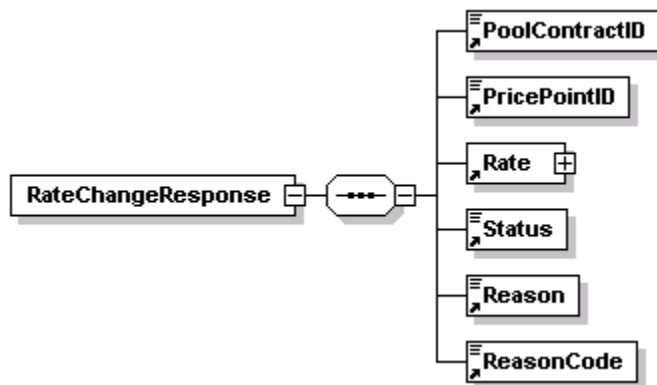
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1 RateChangeResponse

Description

This is the container element for the rate change response information.

Layout



Element Specifications

Usage	Required – Unbounded
Parent Elements	<ul style="list-style-type: none"> ContractPriceChangeResponse
Child Elements	<ul style="list-style-type: none"> PoolContractID PricePointID Rate Status Reason ReasonCode
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="RateChangeResponse"> <xs:complexType> <xs:sequence> <xs:element ref="PoolContractID"/> <xs:element ref="PricePointID"/> <xs:element ref="Rate"/> <xs:element ref="Status"/> <xs:element ref="Reason"/> <xs:element ref="ReasonCode"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.1 PoolContractID

Description

This is the identifier for the pool/contract indicated by the Vendor in the original request.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	<ul style="list-style-type: none">minLength = 0maxLength = 40
Source Design	<pre><xs:element name="PoolContractID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

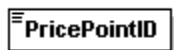
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.2 PricePointID

Description

This is the identifier for the price point indicated by the Vendor in the original request for which the rate changes are to be applied to.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string

Facets	<ul style="list-style-type: none"> minLength = 0 maxLength = 40
Source Design	<pre> <xs:element name="PricePointID"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

Attribute Specifications

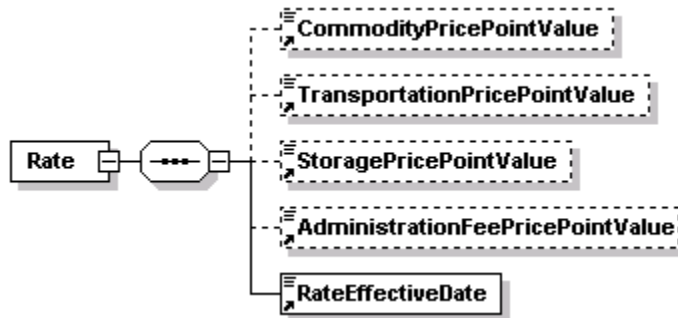
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.3 Rate

Description

This is the container element for the rate specific data.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> RateChangeResponse
Child Elements	<ul style="list-style-type: none"> CommodityPricePointValue TransportationPricePointValue StoragePricePointValue AdministrationFeePricePointValue RateEffectiveDate
Type	xs:complexType
Facets	N/A
Source Design	<pre> <xs:element name="Rate"> <xs:complexType> <xs:sequence> <xs:element ref="CommodityPricePointValue" minOccurs="0"/> <xs:element ref="TransportationPricePointValue" minOccurs="0"/> <xs:element ref="StoragePricePointValue" minOccurs="0"/> <xs:element ref="AdministrationFeePricePointValue" minOccurs="0"/> <xs:element ref="RateEffectiveDate"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.3.1 *CommodityPricePointValue*

Description

This is the new commodity rate as indicated in the request.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:double
Facets	N/A
Source Design	<xs:element name="CommodityPricePointValue" type="xs:double"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.3.2 *TransportationPricePointValue*

Description

This is the new transportation rate as indicated in the request.

Layout



Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:double
Facets	N/A
Source Design	<xs:element name="TransportationPricePointValue" type="xs:double"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.3.3 *StoragePricePointValue*

Description

This is the new storage rate as indicated in the request.

Layout

 **StoragePricePointValue**

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">▪ Rate
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:double
Facets	N/A
Source Design	<code><xs:element name="StoragePricePointValue" type="xs:double"/></code>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.3.4 AdministrationFeePricePointValue

Description

This is where the new administration rate as indicated in the request.

Layout

 **AdministrationFeePricePointValue**

Element Specifications

Usage	Optional – Once Maximum (per parent element)
Parent Elements	<ul style="list-style-type: none">▪ Rate
Child Elements	<ul style="list-style-type: none">▪ None
Type	xs:double
Facets	N/A
Source Design	<code><xs:element name="AdministrationFeePricePointValue" type="xs:double"/></code>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.3.5 RateEffectiveDate

Description

This is the date on which the rate changes are to take effect as indicated in the request.

Layout

 **RateEffectiveDate**

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> Rate
Child Elements	<ul style="list-style-type: none"> None
Type	xs:date
Facets	N/A
Source Design	<xs:element name="RateEffectiveDate" type="xs:date"/>

Attribute Specifications

Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.4 Status

Description

This lists the current status of the STR request. The enumerated value descriptions are as follows:

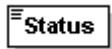
Processed:

The STR has been validated and fully processed. It will await the effective date before changes take effect.

Rejected:

The STR has been rejected due to failed validation.

Layout



Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none"> RateChangeResponse
Child Elements	<ul style="list-style-type: none"> None
Type	xs:string
Facets	<ul style="list-style-type: none"> enumeration = Processed enumeration = Rejected
Source Design	<pre><xs:element name="Status"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Processed"/> <xs:enumeration value="Rejected"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

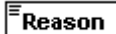
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.5 Reason

Description

This is the textual description of the status indicated above.

Layout

 Reason

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	<ul style="list-style-type: none">minLength = 0maxLength = 400
Source Design	<pre><xs:element name="Reason"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="400"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

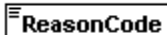
Name	Type	Usage	Facets	Description
N/A	N/A	N/A	N/A	N/A

2.1.2.1.6 ReasonCode

Description

This is the numerical representation of the reason listed above.

Layout

 ReasonCode

Element Specifications

Usage	Required – Exactly Once (per parent element)
Parent Elements	<ul style="list-style-type: none">RateChangeResponse
Child Elements	<ul style="list-style-type: none">None
Type	xs:string
Facets	<ul style="list-style-type: none">minLength = 0maxLength = 10
Source Design	<pre><xs:element name="ReasonCode"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

Attribute Specifications

Name	Type	Usage	Facets	Description
------	------	-------	--------	-------------

N/A	N/A	N/A	N/A	N/A
-----	-----	-----	-----	-----

3 Appendix A – Contract Price Change Request Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="DPDocument">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartnerDirectory"/>
        <xs:element ref="ContractPriceChangeRequest"/>
      </xs:sequence>
      <xs:attribute name="Version" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:minInclusive value="0.0"/>
            <xs:maxInclusive value="99999999.99"/>
            <xs:fractionDigits value="3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="DocumentDefinitionName" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="ContractPriceChangeRequest"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/>
      <xs:attribute name="CreationDate" type="xs:date" use="required"/>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartnerDirectory">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Sender"/>
        <xs:element ref="Recipient"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Sender">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Recipient">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

```

```

<xs:element name="TradingPartner">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CompanyID"/>
      <xs:element ref="CompanyName"/>
    </xs:sequence>
    <xs:attribute name="ParticipantType" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="Distributor"/>
          <xs:enumeration value="Retailer"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
<xs:element name="CompanyName">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="300"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="CompanyID">
  <xs:simpleType>
    <xs:restriction base="xs:string"/>
  </xs:simpleType>
</xs:element>
<xs:element name="ContractPriceChangeRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="RateChangeRequest" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RateChangeRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="PoolContractID"/>
      <xs:element ref="PricePointID"/>
      <xs:element ref="Rate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Rate">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CommodityPricePointValue" minOccurs="0"/>
      <xs:element ref="TransportationPricePointValue" minOccurs="0"/>
      <xs:element ref="StoragePricePointValue" minOccurs="0"/>
      <xs:element ref="AdministrationFeePricePointValue" minOccurs="0"/>
      <xs:element ref="RateEffectiveDate"/>
    </xs:sequence>
  </xs:complexType>

```

```
</xs:element>
<xs:element name="CommodityPricePointValue" type="xs:double"/>
<xs:element name="TransportationPricePointValue" type="xs:double"/>
<xs:element name="StoragePricePointValue" type="xs:double"/>
<xs:element name="AdministrationFeePricePointValue" type="xs:double"/>
<xs:element name="RateEffectiveDate" type="xs:date"/>
<xs:element name="PoolContractID">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="PricePointID">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="0"/>
      <xs:maxLength value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:schema>
```


4 Appendix B – Contract Price Change Response Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xs:element name="DPDocument">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartnerDirectory"/>
        <xs:element ref="ContractPriceChangeResponse"/>
      </xs:sequence>
      <xs:attribute name="Version" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:minInclusive value="0.0"/>
            <xs:maxInclusive value="99999999.99"/>
            <xs:fractionDigits value="3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="DocumentDefinitionName" use="required">
        <xs:simpleType>
          <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="ContractPriceChangeResponse"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:attribute>
      <xs:attribute name="VendorDocumentReference" type="xs:string" use="optional"/>
      <xs:attribute name="DistributorDocumentReference" type="xs:string" use="optional"/>
      <xs:attribute name="CreationDate" type="xs:date" use="required"/>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartnerDirectory">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="Sender"/>
        <xs:element ref="Recipient"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Sender">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Recipient">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="TradingPartner"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="TradingPartner">
```

```

<xs:complexType>
  <xs:sequence>
    <xs:element ref="CompanyID"/>
    <xs:element ref="CompanyName"/>
  </xs:sequence>
  <xs:attribute name="ParticipantType" use="required">
    <xs:simpleType>
      <xs:restriction base="xs:NMTOKEN">
        <xs:enumeration value="Distributor"/>
        <xs:enumeration value="Retailer"/>
      </xs:restriction>
    </xs:simpleType>
  </xs:attribute>
</xs:complexType>
</xs:element>
<xs:element name="CompanyName">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="300"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="CompanyID">
  <xs:simpleType>
    <xs:restriction base="xs:string"/>
  </xs:simpleType>
</xs:element>
<xs:element name="ContractPriceChangeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="RateChangeResponse" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RateChangeResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="PoolContractID"/>
      <xs:element ref="PricePointID"/>
      <xs:element ref="Rate"/>
      <xs:element ref="Status"/>
      <xs:element ref="Reason"/>
      <xs:element ref="ReasonCode"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="Rate">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CommodityPricePointValue" minOccurs="0"/>
      <xs:element ref="TransportationPricePointValue" minOccurs="0"/>
      <xs:element ref="StoragePricePointValue" minOccurs="0"/>
      <xs:element ref="AdministrationFeePricePointValue" minOccurs="0"/>
      <xs:element ref="RateEffectiveDate"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="CommodityPricePointValue" type="xs:double"/>
<xs:element name="TransportationPricePointValue" type="xs:double"/>
<xs:element name="StoragePricePointValue" type="xs:double"/>
<xs:element name="AdministrationFeePricePointValue" type="xs:double"/>
<xs:element name="RateEffectiveDate" type="xs:date"/>
<xs:element name="PoolContractID">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="40"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="PricePointID">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="40"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Status">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:enumeration value="Processed"/>
            <xs:enumeration value="Rejected"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="Reason">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="400"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element name="ReasonCode">
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="10"/>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
</xs:schema>

```

5 Appendix C – Contract Price Change Request XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<DPDocument Version="1.2" DocumentDefinitionName="ContractPriceChangeRequest" VendorDocumentReference="TCPL Toll Changes May 04" CreationDate="2004-04-03" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>123456789</CompanyID>
        <CompanyName>Econogas</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>Union Gas Ltd</CompanyID>
        <CompanyName>200300400</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <ContractPriceChangeRequest>
    <RateChangeRequest>
      <PoolContractID>SA1234</PoolContractID>
      <PricePointID>12345</PricePointID>
      <Rate>
        <CommodityPricePointValue>29.12345</CommodityPricePointValue>
        <TransportationPricePointValue>4.12345</TransportationPricePointValue>
        <StoragePricePointValue>2.12345</StoragePricePointValue>
        <AdministrationFeePricePointValue>2.99</AdministrationFeePricePointValue>
        <RateEffectiveDate>2004-05-01</RateEffectiveDate>
      </Rate>
    </RateChangeRequest>
  </ContractPriceChangeRequest>
</DPDocument>
```

6 Appendix D – Contract Price Change Response XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<DPDocument Version="1.2" DocumentDefinitionName="ContractPriceChangeResponse" VendorDocumentReference="TCPL Toll Changes May 04"
DistributorDocumentReference="123456789_4564654652FGF676GHJJH" CreationDate="2004-04-03" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <TradingPartnerDirectory>
    <Sender>
      <TradingPartner ParticipantType="Distributor">
        <CompanyID>200300400</CompanyID>
        <CompanyName>Union Gas Ltd</CompanyName>
      </TradingPartner>
    </Sender>
    <Recipient>
      <TradingPartner ParticipantType="Retailer">
        <CompanyID>123456789</CompanyID>
        <CompanyName>Econogas</CompanyName>
      </TradingPartner>
    </Recipient>
  </TradingPartnerDirectory>
  <ContractPriceChangeResponse>
    <RateChangeResponse>
      <PoolContractID>SA1234</PoolContractID>
      <PricePointID>12345</PricePointID>
      <Rate>
        <CommodityPricePointValue>29.12345</CommodityPricePointValue>
        <TransportationPricePointValue>4.12345</TransportationPricePointValue>
        <StoragePricePointValue>2.12345</StoragePricePointValue>
        <AdministrationFeePricePointValue>2.99</AdministrationFeePricePointValue>
        <RateEffectiveDate>2004-05-01</RateEffectiveDate>
      </Rate>
      <Status>Processed</Status>
      <Reason/>
      <ReasonCode/>
    </RateChangeResponse>
  </ContractPriceChangeResponse>
</DPDocument>
```