



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: J. Aron & Company LLC
Attention: Contract Administration
Fax Num: (212) 493-9846
RE: Fixed Price Physical
Reference: 2017007803

We are pleased to confirm the following physical transaction concluded with your company on 7/18/2017.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 8/4/2015

LG&E Trader: DUANE SCHRADER
Service Level: FIRM
Counterparty: J. Aron & Company LLC
Contact Name: JUDY FOLDES
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: J. Aron & Company LLC
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/01/2018, 12/31/2018, 10000, 2.96800

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company J. Aron & Company LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Sequent Energy Management, L.P.
Attention: Contract Administration
Fax Num: (832)397-1781
RE: Fixed Price Physical
Reference: 2018003721

We are pleased to confirm the following physical transaction concluded with your company on 3/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/1/2003

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: Sequent Energy Management, L.P.

Contact Name: MATT LORENZ

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Sequent Energy Management, L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/01/2018, 12/31/2018, 25000, 2.91100

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Sequent Energy Management, L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Uniper Global Commodities North America LLC
Attention: Contract Administration
Fax Num: (312) 840-4551
RE: Fixed Price Physical
Reference: 2018005175

We are pleased to confirm the following physical transaction concluded with your company on 4/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 11/28/2016

LG&E Trader: DUANE SCHRADER Service Level: FIRM

Counterparty: Uniper Global Commodities North America LLC

Contact Name: NATALIE BAKER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Uniper Global Commodities North America LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/01/2018, 12/31/2018, 20000, 2.81000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Uniper Global Commodities North America LLC

Handwritten signature of John H. Early

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: ENI Trading & Shipping Inc.
Attention: Contract Administration
Fax Num: (713) 393-6202
RE: Fixed Price Physical
Reference: 2018008176

We are pleased to confirm the following physical transaction concluded with your company on 6/12/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2018

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: ENI Trading & Shipping Inc.

Contact Name: NG MGR.

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: ENI Trading & Shipping Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/01/2018, 12/31/2018, 10000, 2.92700

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company ENI Trading & Shipping Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018015389

We are pleased to confirm the following physical transaction concluded with your company on 11/30/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/01/2018, 12/03/2018, 30000, 4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015480

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/03/2018, 12/03/2018, 60000, 4.41000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015481

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/04/2018, 12/04/2018, 60000, 4.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015482

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/04/2018	12/04/2018	9600	4.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Mercuria Energy America, Inc.
Attention: Contract Administration
Fax Num: (832) 209-2421
RE: Fixed Price Physical
Reference: 2018015483

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/20/2015

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Mercuria Energy America, Inc.

Contact Name: JEFFREY SCHNEIDER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Mercuria Energy America, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/04/2018, 12/04/2018, 5000, 4.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Mercuria Energy America, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CIMA Energy, LP
Attention: Contract Administration
Fax Num: (713) 636-5020
RE: Fixed Price Physical
Reference: 2018015484

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/19/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CIMA Energy, LP

Contact Name: EVAN MASON

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CIMA Energy, LP

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/04/2018, 12/04/2018, 4000, 4.31000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CIMA Energy, LP

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018015485

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/04/2018	12/04/2018	30000	4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: NextEra Energy Marketing, LLC
 Attention: Contract Administration
 Fax Num: (561) 625-7517
 RE: Fixed Price Physical
 Reference: 2018015486

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: NextEra Energy Marketing, LLC
Contact Name: PETER BIELEN
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: NextEra Energy Marketing, LLC
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/04/2018	12/04/2018	10000	4.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Twin Eagle Resource Management, LLC
Attention: Contract Administration
Fax Num: (713)341-7392
RE: Fixed Price Physical
Reference: 2018015487

We are pleased to confirm the following physical transaction concluded with your company on 12/3/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Twin Eagle Resource Management, LLC

Contact Name: GEORGE SHIRK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Twin Eagle Resource Management, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/04/2018, 12/04/2018, 6000, 4.31000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Twin Eagle Resource Management, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Shell Energy North America (US), L.P.
 Attention: Contract Administration
 Fax Num: (713)265-2171
 RE: Fixed Price Physical
 Reference: 2018015520

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: Shell Energy North America (US), L.P.
Contact Name: KELLY WILLIAMS
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Shell Energy North America (US), L.P.
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/05/2018	12/05/2018	30000	4.52000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: BP Energy Company
 Attention: Contract Administration
 Fax Num: (281)227-8470
 RE: Fixed Price Physical
 Reference: 2018015521

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/2/2016

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: BP Energy Company
Contact Name: KATIE DOLLINGER
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: BP Energy Company
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/04/2018	12/04/2018	3100	4.60000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. **However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.** Any additional or different terms in any Confirmation sent by your company shall have no effect. **For further information, or if you have received this facsimile in error, contact Contract Administration at (502) 627-4197.**

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company BP Energy Company

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tennessee Valley Authority
Attention: Contract Administration
Fax Num: (423)751-9602
RE: Fixed Price Physical
Reference: 2018015522

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 12/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tennessee Valley Authority

Contact Name: CHARLOTTE HALL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tennessee Valley Authority

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/05/2018, 12/05/2018, 15000, 4.50000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tennessee Valley Authority

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: BP Energy Company
Attention: Contract Administration
Fax Num: (281)227-8470
RE: Fixed Price Physical
Reference: 2018015523

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/2/2016

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: BP Energy Company

Contact Name: KATIE DOLLINGER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: BP Energy Company

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/04/2018	12/04/2018	15000	4.67000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company BP Energy Company

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015524

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/05/2018	12/05/2018	30000	4.54000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Twin Eagle Resource Management, LLC
Attention: Contract Administration
Fax Num: (713)341-7392
RE: Fixed Price Physical
Reference: 2018015525

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Twin Eagle Resource Management, LLC

Contact Name: GEORGE SHIRK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Twin Eagle Resource Management, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/05/2018, 12/05/2018, 10000, 4.47000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Twin Eagle Resource Management, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Twin Eagle Resource Management, LLC
Attention: Contract Administration
Fax Num: (713)341-7392
RE: Fixed Price Physical
Reference: 2018015526

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Twin Eagle Resource Management, LLC

Contact Name: GEORGE SHIRK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Twin Eagle Resource Management, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/05/2018, 12/05/2018, 10000, 4.47500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Twin Eagle Resource Management, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Texla Energy Management, Inc.
Attention: Contract Administration
Fax Num: (713)655-9906
RE: Fixed Price Physical
Reference: 2018015527

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/1/2016

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Texla Energy Management, Inc.

Contact Name: TYLER MARCUM

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Texla Energy Management, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/05/2018, 12/05/2018, 2800, 4.50500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Texla Energy Management, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Sequent Energy Management, L.P.
Attention: Contract Administration
Fax Num: (832)397-1781
RE: Fixed Price Physical
Reference: 2018015528

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Sequent Energy Management, L.P.

Contact Name: MATT LORENZ

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Sequent Energy Management, L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/05/2018	12/05/2018	10000	4.48000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Sequent Energy Management, L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015529

We are pleased to confirm the following physical transaction concluded with your company on 12/4/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/05/2018, 12/05/2018, 10000, 4.47000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

Handwritten signature of John H. Early

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Macquarie Energy, LLC
 Attention: Contract Administration
 Fax Num: (713)255-5822
 RE: Fixed Price Physical
 Reference: 2018015602

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 11/19/2007

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: Macquarie Energy, LLC
Contact Name: DAVID VIRGILIO
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Macquarie Energy, LLC
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	10000	4.52500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Macquarie Energy, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Twin Eagle Resource Management, LLC
Attention: Contract Administration
Fax Num: (713)341-7392
RE: Fixed Price Physical
Reference: 2018015604

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Twin Eagle Resource Management, LLC

Contact Name: GEORGE SHIRK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Twin Eagle Resource Management, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	10000	4.51000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Twin Eagle Resource Management, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Texla Energy Management, Inc.
Attention: Contract Administration
Fax Num: (713)655-9906
RE: Fixed Price Physical
Reference: 2018015605

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/1/2016

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Texla Energy Management, Inc.

Contact Name: TYLER MARCUM

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Texla Energy Management, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/06/2018, 12/06/2018, 10000, 4.48000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Texla Energy Management, Inc.

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Twin Eagle Resource Management, LLC
Attention: Contract Administration
Fax Num: (713)341-7392
RE: Fixed Price Physical
Reference: 2018015606

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Twin Eagle Resource Management, LLC

Contact Name: GEORGE SHIRK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Twin Eagle Resource Management, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	6800	4.48000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Twin Eagle Resource Management, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018015607

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/06/2018, 12/06/2018, 10000, 4.44000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CIMA Energy, LP
Attention: Contract Administration
Fax Num: (713) 636-5020
RE: Fixed Price Physical
Reference: 2018015608

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/19/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CIMA Energy, LP

Contact Name: JOHN CODRINGTON

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CIMA Energy, LP

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/06/2018, 12/06/2018, 10000, 4.54000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CIMA Energy, LP

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CIMA Energy, LP
Attention: Contract Administration
Fax Num: (713) 636-5020
RE: Fixed Price Physical
Reference: 2018015609

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/19/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CIMA Energy, LP

Contact Name: JOHN CODRINGTON

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CIMA Energy, LP

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	3200	4.48000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CIMA Energy, LP

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018015610

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: MICHAEL OLSEN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/06/2018, 12/06/2018, 10000, 4.46000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: NextEra Energy Marketing, LLC
 Attention: Contract Administration
 Fax Num: (561) 625-7517
 RE: Fixed Price Physical
 Reference: 2018015615

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: NextEra Energy Marketing, LLC
Contact Name: DAN CAIRNES
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: NextEra Energy Marketing, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	15000	4.55000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: BP Energy Company
Attention: Contract Administration
Fax Num: (281)227-8470
RE: Fixed Price Physical
Reference: 2018015620

We are pleased to confirm the following physical transaction concluded with your company on 12/5/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/2/2016

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: BP Energy Company

Contact Name: KATIE DOLLINGER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: BP Energy Company

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	13000	4.55000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company BP Energy Company

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: DTE Energy Trading, Inc.
Attention: Contract Administration
Fax Num: (734)887-4062
RE: Fixed Price Physical
Reference: 2018015700

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: DTE Energy Trading, Inc.

Contact Name: BRIAN THOMAS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: DTE Energy Trading, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/07/2018, 12/07/2018, 10000, 4.20000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company DTE Energy Trading, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018015701

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/07/2018, 12/07/2018, 30000, 4.25000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015702

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/07/2018	12/07/2018	25000	4.20000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Tenaska Marketing Ventures
 Attention: Contract Administration
 Fax Num: (402)758-6250
 RE: Fixed Price Physical
 Reference: 2018015703

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: Tenaska Marketing Ventures
Contact Name: BRIAN SALAK
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Tenaska Marketing Ventures
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/07/2018	12/07/2018	10000	4.22000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____



Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: NextEra Energy Marketing, LLC
 Attention: Contract Administration
 Fax Num: (561) 625-7517
 RE: Fixed Price Physical
 Reference: 2018015707

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: NextEra Energy Marketing, LLC
Contact Name: JOSHUA ANDERSON
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: NextEra Energy Marketing, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	10000	4.35000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: BP Energy Company
Attention: Contract Administration
Fax Num: (281)227-8470
RE: Fixed Price Physical
Reference: 2018015708

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/2/2016

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: BP Energy Company

Contact Name: GARRETT GRAHAM

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: BP Energy Company

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/06/2018	12/06/2018	13000	4.35000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company BP Energy Company

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Range Resources - Appalachia, LLC
 Attention: Contract Administration
 Fax Num: (724) 873-5480
 RE: Fixed Price Physical
 Reference: 2018015709

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/13/2014

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: Range Resources - Appalachia, LLC
Contact Name: BOB LEWIS
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Range Resources - Appalachia, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/07/2018	12/07/2018	10000	4.28000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Range Resources - Appalachia, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Eco-Energy, LLC
 Attention: Contract Administration
 Fax Num: (615) 778-2897
 RE: Fixed Price Physical
 Reference: 2018015710

We are pleased to confirm the following physical transaction concluded with your company on 12/6/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/4/2016

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: Eco-Energy, LLC
Contact Name: CHRIS SHERRY
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Eco-Energy, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/07/2018	12/07/2018	15000	4.35000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Eco-Energy, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Range Resources - Appalachia, LLC
 Attention: Contract Administration
 Fax Num: (724) 873-5480
 RE: Fixed Price Physical
 Reference: 2018015780

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/13/2014

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: Range Resources - Appalachia, LLC
Contact Name: BOB LEWIS
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Range Resources - Appalachia, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/08/2018	12/10/2018	6000	4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Range Resources - Appalachia, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018015781

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: DAN CAIRNES

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/08/2018, 10000, 4.58000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Eco-Energy, LLC
Attention: Contract Administration
Fax Num: (615) 778-2897
RE: Fixed Price Physical
Reference: 2018015782

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/4/2016

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Eco-Energy, LLC

Contact Name: KEVIN HUMPICH

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Eco-Energy, LLC

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/08/2018	12/08/2018	10000	4.45000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Eco-Energy, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018015783

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: DAN CAIRNES

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/10/2018, 12/10/2018, 10000, 4.58000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015784

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 30000, 4.31000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Macquarie Energy, LLC
Attention: Contract Administration
Fax Num: (713)255-5822
RE: Fixed Price Physical
Reference: 2018015785

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 11/19/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Macquarie Energy, LLC

Contact Name: DAVID VIRGILIO

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Macquarie Energy, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 1600, 4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Macquarie Energy, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Sequent Energy Management, L.P.
Attention: Contract Administration
Fax Num: (832)397-1781
RE: Fixed Price Physical
Reference: 2018015786

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Sequent Energy Management, L.P.

Contact Name: JOHN HYMEL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Sequent Energy Management, L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 1400, 4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Sequent Energy Management, L.P.

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018015787

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 30000, 4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Exelon Generation Company, LLC
Attention: Contract Administration
Fax Num: (410)468-3540
RE: Fixed Price Physical
Reference: 2018015788

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 5/28/2013

LG&E Trader: PHOENIX WATERS Service Level: FIRM

Counterparty: Exelon Generation Company, LLC

Contact Name: JORDAN KOCH

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Exelon Generation Company, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 10000, 4.34500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Exelon Generation Company, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: CIMA Energy, LP
 Attention: Contract Administration
 Fax Num: (713) 636-5020
 RE: Fixed Price Physical
 Reference: 2018015789

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/19/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CIMA Energy, LP

Contact Name: JOHN CODRINGTON

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CIMA Energy, LP

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/08/2018	12/10/2018	9800	4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CIMA Energy, LP

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018015790

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 5000, 4.32000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
220 West Main Street, 7th Floor
Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018015791

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS Service Level: FIRM
Counterparty: United Energy Trading, LLC
Contact Name: JAY JORDAN
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: United Energy Trading, LLC
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/08/2018, 12/10/2018, 4100, 4.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

Handwritten signature of John H. Early

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018015792

We are pleased to confirm the following physical transaction concluded with your company on 12/7/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/08/2018	12/10/2018	20000	4.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018015906

We are pleased to confirm the following physical transaction concluded with your company on 12/9/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: DAN CAIRNES

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/09/2018, 12/09/2018, 20000, 4.85000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Colonial Energy, Inc.
Attention: Contract Administration
Fax Num: (703) 218-3059
RE: Fixed Price Physical
Reference: 2018015907

We are pleased to confirm the following physical transaction concluded with your company on 12/9/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/9/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Colonial Energy, Inc.

Contact Name: CAROLYN GILBERT

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Colonial Energy, Inc.

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/09/2018	12/09/2018	10000	4.85000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. **However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.** Any additional or different terms in any Confirmation sent by your company shall have no effect. **For further information, or if you have received this facsimile in error, contact Contract Administration at (502) 627-4197.**

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Colonial Energy, Inc.

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Colonial Energy, Inc.
 Attention: Contract Administration
 Fax Num: (703) 218-3059
 RE: Fixed Price Physical
 Reference: 2018015908

We are pleased to confirm the following physical transaction concluded with your company on 12/9/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/9/2003

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: Colonial Energy, Inc.
Contact Name: CAROLYN GILBERT
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Colonial Energy, Inc.
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/09/2018	12/09/2018	12000	4.95000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Colonial Energy, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Texla Energy Management, Inc.
Attention: Contract Administration
Fax Num: (713)655-9906
RE: Fixed Price Physical
Reference: 2018015980

We are pleased to confirm the following physical transaction concluded with your company on 12/10/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/1/2016

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Texla Energy Management, Inc.

Contact Name: STERLING CUMMINGS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Texla Energy Management, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/11/2018, 12/11/2018, 10000, 4.36500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Texla Energy Management, Inc.

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018015981

We are pleased to confirm the following physical transaction concluded with your company on 12/10/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/11/2018	12/11/2018	30000	4.35000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018015982

We are pleased to confirm the following physical transaction concluded with your company on 12/10/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: ROBERT ERWIN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/11/2018, 12/11/2018, 9500, 4.36000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018015983

We are pleased to confirm the following physical transaction concluded with your company on 12/10/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: DAN CAIRNES

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/10/2018, 12/10/2018, 20000, 4.55000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Range Resources - Appalachia, LLC
Attention: Contract Administration
Fax Num: (724) 873-5480
RE: Fixed Price Physical
Reference: 2018015984

We are pleased to confirm the following physical transaction concluded with your company on 12/10/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/13/2014

LG&E Trader: MATT SYBERT Service Level: FIRM
Counterparty: Range Resources - Appalachia, LLC
Contact Name: BOB LEWIS
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Range Resources - Appalachia, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/10/2018, 12/10/2018, 25000, 4.46000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Range Resources - Appalachia, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Range Resources - Appalachia, LLC
 Attention: Contract Administration
 Fax Num: (724) 873-5480
 RE: Fixed Price Physical
 Reference: 2018015985

We are pleased to confirm the following physical transaction concluded with your company on 12/10/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/13/2014

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: Range Resources - Appalachia, LLC
Contact Name: BOB LEWIS
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Range Resources - Appalachia, LLC
Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/11/2018	12/11/2018	14000	4.45000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Range Resources - Appalachia, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016060

We are pleased to confirm the following physical transaction concluded with your company on 12/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/12/2018	12/12/2018	10000	4.31000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016061

We are pleased to confirm the following physical transaction concluded with your company on 12/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/12/2018	12/12/2018	30000	4.31000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016062

We are pleased to confirm the following physical transaction concluded with your company on 12/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/12/2018	12/12/2018	30000	4.29000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tennessee Valley Authority
Attention: Contract Administration
Fax Num: (423)751-9602
RE: Fixed Price Physical
Reference: 2018016063

We are pleased to confirm the following physical transaction concluded with your company on 12/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 12/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tennessee Valley Authority

Contact Name: ZAC CLIFT

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tennessee Valley Authority

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/12/2018, 12/12/2018, 10000, 4.28000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tennessee Valley Authority

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Eco-Energy, LLC
Attention: Contract Administration
Fax Num: (615) 778-2897
RE: Fixed Price Physical
Reference: 2018016068

We are pleased to confirm the following physical transaction concluded with your company on 12/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/4/2016

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Eco-Energy, LLC

Contact Name: JAMIE BAKER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Eco-Energy, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/12/2018	12/12/2018	5400	4.27000

Please Note:

Contacts:	Documentation: Contract Administrator	Invoicing: Gas Accounting
	Telephone No: (502) 627-4197	Telephone No: (502) 627-4325
	Fax No: (502) 627-4222	Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Eco-Energy, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CenterPoint Energy Services, Inc.
Attention: Contract Administration
Fax Num: (713) 393-0263
RE: Fixed Price Physical
Reference: 2018016069

We are pleased to confirm the following physical transaction concluded with your company on 12/11/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/11/2006

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CenterPoint Energy Services, Inc.

Contact Name: JERRY FOGARTY

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CenterPoint Energy Services, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/12/2018, 12/12/2018, 4600, 4.27000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CenterPoint Energy Services, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Exelon Generation Company, LLC
Attention: Contract Administration
Fax Num: (410)468-3540
RE: Fixed Price Physical
Reference: 2018016120

We are pleased to confirm the following physical transaction concluded with your company on 12/12/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 5/28/2013

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Exelon Generation Company, LLC

Contact Name: JORDAN KOCH

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Exelon Generation Company, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/13/2018, 12/13/2018, 10000, 4.04500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Exelon Generation Company, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016121

We are pleased to confirm the following physical transaction concluded with your company on 12/12/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/13/2018, 12/13/2018, 20000, 4.03000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: BP Energy Company
Attention: Contract Administration
Fax Num: (281)227-8470
RE: Fixed Price Physical
Reference: 2018016160

We are pleased to confirm the following physical transaction concluded with your company on 12/13/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/2/2016

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: BP Energy Company

Contact Name: GARRETT GRAHAM

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: BP Energy Company

Delivery Location: Texas Eastern Transmission - KU-GARRARD CO. KY

Begin Date	End Date	Volume	Price
12/14/2018	12/14/2018	18000	4.12000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company BP Energy Company

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016222

We are pleased to confirm the following physical transaction concluded with your company on 12/14/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/15/2018, 12/17/2018, 20000, 3.78000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018016223

We are pleased to confirm the following physical transaction concluded with your company on 12/14/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: MICHAEL OLSEN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/15/2018, 12/17/2018, 5000, 3.73000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tennessee Valley Authority
Attention: Contract Administration
Fax Num: (423)751-9602
RE: Fixed Price Physical
Reference: 2018016224

We are pleased to confirm the following physical transaction concluded with your company on 12/14/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 12/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tennessee Valley Authority

Contact Name: CHARLOTTE HALL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tennessee Valley Authority

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/15/2018	12/17/2018	10000	3.71500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tennessee Valley Authority

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Eco-Energy, LLC
Attention: Contract Administration
Fax Num: (615) 778-2897
RE: Fixed Price Physical
Reference: 2018016225

We are pleased to confirm the following physical transaction concluded with your company on 12/14/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/4/2016

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Eco-Energy, LLC

Contact Name: JAMIE BAKER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Eco-Energy, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/15/2018	12/17/2018	5000	3.67000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Eco-Energy, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016360

We are pleased to confirm the following physical transaction concluded with your company on 12/17/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/18/2018	12/18/2018	10000	3.47500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: Tenaska Marketing Ventures
 Attention: Contract Administration
 Fax Num: (402)758-6250
 RE: Fixed Price Physical
 Reference: 2018016361

We are pleased to confirm the following physical transaction concluded with your company on 12/17/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: MATT SYBERT **Service Level:** FIRM
Counterparty: Tenaska Marketing Ventures
Contact Name: BRIAN SALAK
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Tenaska Marketing Ventures
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/18/2018	12/18/2018	50000	3.45000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016362

We are pleased to confirm the following physical transaction concluded with your company on 12/17/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/18/2018	12/18/2018	7200	3.47000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016363

We are pleased to confirm the following physical transaction concluded with your company on 12/17/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/18/2018, 12/18/2018, 10000, 3.45000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tennessee Valley Authority
Attention: Contract Administration
Fax Num: (423)751-9602
RE: Fixed Price Physical
Reference: 2018016364

We are pleased to confirm the following physical transaction concluded with your company on 12/17/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 12/1/2003

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Tennessee Valley Authority

Contact Name: CHARLOTTE HALL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tennessee Valley Authority

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/18/2018, 12/18/2018, 10000, 3.47250

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tennessee Valley Authority

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: BP Energy Company
Attention: Contract Administration
Fax Num: (281)227-8470
RE: Fixed Price Physical
Reference: 2018016365

We are pleased to confirm the following physical transaction concluded with your company on 12/17/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 6/2/2016

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: BP Energy Company

Contact Name: RYAN SABLATURA

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: BP Energy Company

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/18/2018	12/18/2018	1200	3.45000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company BP Energy Company

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016380

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: MATT SYBERT

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/18/2018	12/18/2018	10000	3.59000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. **However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.** Any additional or different terms in any Confirmation sent by your company shall have no effect. **For further information, or if you have received this facsimile in error, contact Contract Administration at (502) 627-4197.**

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016381

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	30000	3.52000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Spire Marketing Inc.
Attention: Contract Administration
Fax Num: (314)516-8551
RE: Fixed Price Physical
Reference: 2018016382

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2010

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Spire Marketing Inc.

Contact Name: KAYLA HULL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Spire Marketing Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/19/2018, 12/19/2018, 20000, 3.52000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Spire Marketing Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016383

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	7000	3.50000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____



Date: 01/09/2019
 To: Sequent Energy Management, L.P.
 Attention: Contract Administration
 Fax Num: (832)397-1781
 RE: Fixed Price Physical
 Reference: 2018016384

Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/1/2003

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: Sequent Energy Management, L.P.
Contact Name: JOHN HYMEL
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: Sequent Energy Management, L.P.
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	10000	3.51500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Sequent Energy Management, L.P.

John H. Early
 Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: CenterPoint Energy Services, Inc.
 Attention: Contract Administration
 Fax Num: (713) 393-0263
 RE: Fixed Price Physical
 Reference: 2018016385

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/11/2006

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM

Counterparty: CenterPoint Energy Services, Inc.

Contact Name: JERRY FOGARTY

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CenterPoint Energy Services, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	5000	3.51000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CenterPoint Energy Services, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Eco-Energy, LLC
Attention: Contract Administration
Fax Num: (615) 778-2897
RE: Fixed Price Physical
Reference: 2018016386

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/4/2016

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Eco-Energy, LLC

Contact Name: JAMIE BAKER

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Eco-Energy, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	10000	3.51250

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Eco-Energy, LLC

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016387

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	20000	3.51500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CenterPoint Energy Services, Inc.
Attention: Contract Administration
Fax Num: (713) 393-0263
RE: Fixed Price Physical
Reference: 2018016388

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/11/2006

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CenterPoint Energy Services, Inc.

Contact Name: JERRY FOGARTY

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CenterPoint Energy Services, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	5000	3.51000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CenterPoint Energy Services, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016389

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: STEVE LEWIS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/19/2018, 12/19/2018, 5400, 3.50500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Sequent Energy Management, L.P.
Attention: Contract Administration
Fax Num: (832)397-1781
RE: Fixed Price Physical
Reference: 2018016390

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Sequent Energy Management, L.P.

Contact Name: JOHN HYMEL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Sequent Energy Management, L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	14300	3.50000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Sequent Energy Management, L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Spire Marketing Inc.
Attention: Contract Administration
Fax Num: (314)516-8551
RE: Fixed Price Physical
Reference: 2018016391

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2010

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Spire Marketing Inc.

Contact Name: KAYLA HULL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Spire Marketing Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/19/2018	12/19/2018	8400	3.50000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Spire Marketing Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CenterPoint Energy Services, Inc.
Attention: Contract Administration
Fax Num: (713) 393-0263
RE: Fixed Price Physical
Reference: 2018016392

We are pleased to confirm the following physical transaction concluded with your company on 12/18/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/11/2006

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CenterPoint Energy Services, Inc.

Contact Name: JERRY FOGARTY

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CenterPoint Energy Services, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/19/2018, 12/19/2018, 6500, 3.50500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CenterPoint Energy Services, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016420

We are pleased to confirm the following physical transaction concluded with your company on 12/19/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/20/2018	12/20/2018	30000	3.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Spire Marketing Inc.
Attention: Contract Administration
Fax Num: (314)516-8551
RE: Fixed Price Physical
Reference: 2018016421

We are pleased to confirm the following physical transaction concluded with your company on 12/19/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2010

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Spire Marketing Inc.

Contact Name: KAYLA HULL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Spire Marketing Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/20/2018, 12/20/2018, 30000, 3.35000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Spire Marketing Inc.

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CenterPoint Energy Services, Inc.
Attention: Contract Administration
Fax Num: (713) 393-0263
RE: Fixed Price Physical
Reference: 2018016422

We are pleased to confirm the following physical transaction concluded with your company on 12/19/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/11/2006

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: CenterPoint Energy Services, Inc.

Contact Name: CORY ADAMEK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CenterPoint Energy Services, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/20/2018	12/20/2018	10000	3.32000

Please Note:

Contacts:	Documentation: Contract Administrator	Invoicing: Gas Accounting
	Telephone No: (502) 627-4197	Telephone No: (502) 627-4325
	Fax No: (502) 627-4222	Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CenterPoint Energy Services, Inc.

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016423

We are pleased to confirm the following physical transaction concluded with your company on 12/19/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/20/2018	12/20/2018	5000	3.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tenaska Marketing Ventures
Attention: Contract Administration
Fax Num: (402)758-6250
RE: Fixed Price Physical
Reference: 2018016424

We are pleased to confirm the following physical transaction concluded with your company on 12/19/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 7/1/2004

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tenaska Marketing Ventures

Contact Name: BRIAN SALAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tenaska Marketing Ventures

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/20/2018	12/20/2018	50000	3.36000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tenaska Marketing Ventures

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016440

We are pleased to confirm the following physical transaction concluded with your company on 12/20/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/21/2018, 12/21/2018, 5000, 3.44500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: United Energy Trading, LLC
 Attention: Contract Administration
 Fax Num: (303)991-0988
 RE: Fixed Price Physical
 Reference: 2018016441

We are pleased to confirm the following physical transaction concluded with your company on 12/20/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: United Energy Trading, LLC
Contact Name: JAY JORDAN
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: United Energy Trading, LLC
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/21/2018	12/21/2018	4000	3.44500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____



Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016442

We are pleased to confirm the following physical transaction concluded with your company on 12/20/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/21/2018, 12/21/2018, 5000, 3.49000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

Handwritten signature of John H. Early

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016443

We are pleased to confirm the following physical transaction concluded with your company on 12/20/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/21/2018	12/21/2018	5000	3.49000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016444

We are pleased to confirm the following physical transaction concluded with your company on 12/20/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/21/2018, 12/21/2018, 30000, 3.46500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016445

We are pleased to confirm the following physical transaction concluded with your company on 12/20/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/21/2018	12/21/2018	10000	3.50000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CenterPoint Energy Services, Inc.
Attention: Contract Administration
Fax Num: (713) 393-0263
RE: Fixed Price Physical
Reference: 2018016480

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/11/2006

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: CenterPoint Energy Services, Inc.

Contact Name: CORY ADAMEK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CenterPoint Energy Services, Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/22/2018, 12/26/2018, 5000, 3.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CenterPoint Energy Services, Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: CIMA Energy, LP
Attention: Contract Administration
Fax Num: (713) 636-5020
RE: Fixed Price Physical
Reference: 2018016481

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/19/2009

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: CIMA Energy, LP

Contact Name: JOHN CODRINGTON

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: CIMA Energy, LP

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/22/2018, 12/26/2018, 10000, 3.33000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CIMA Energy, LP

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016482

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/22/2018	12/26/2018	10000	3.35000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016483

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/22/2018	12/26/2018	10000	3.31000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

We are pleased to have been able to conclude this transaction with your company and look forward to receiving an executed copy of this Confirmation by return fax. **However, this Confirmation shall be final and binding, whether or not signed or confirmed by your company, unless your company advises LGE & KU of any inaccuracy within two (2) business days following receipt.** Any additional or different terms in any Confirmation sent by your company shall have no effect. **For further information, or if you have received this facsimile in error, contact Contract Administration at (502) 627-4197.**

Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: United Energy Trading, LLC
Attention: Contract Administration
Fax Num: (303)991-0988
RE: Fixed Price Physical
Reference: 2018016484

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 2/1/2005

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: United Energy Trading, LLC

Contact Name: JAY JORDAN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: United Energy Trading, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/22/2018, 12/26/2018, 10000, 3.31500

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company United Energy Trading, LLC

John H. Early

By: _____

Manager, Credit and Contract Administration

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tennessee Valley Authority
Attention: Contract Administration
Fax Num: (423)751-9602
RE: Fixed Price Physical
Reference: 2018016485

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 12/1/2003

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: Tennessee Valley Authority

Contact Name: CHARLOTTE HALL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tennessee Valley Authority

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/22/2018	12/26/2018	10000	3.34000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tennessee Valley Authority

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: ConocoPhillips Company
Attention: Contract Administration
Fax Num: (918)662-5943
RE: Fixed Price Physical
Reference: 2018016486

We are pleased to confirm the following physical transaction concluded with your company on 12/21/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 5/1/2003

LG&E Trader: DUANE SCHRADER

Service Level: FIRM

Counterparty: ConocoPhillips Company

Contact Name: NEERAN PATHAK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: ConocoPhillips Company

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/22/2018	12/26/2018	5000	3.29000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company ConocoPhillips Company

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018016644

We are pleased to confirm the following physical transaction concluded with your company on 12/26/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: MICHAEL OLSEN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/27/2018, 12/27/2018, 10000, 3.03000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Spire Marketing Inc.
Attention: Contract Administration
Fax Num: (314)516-8551
RE: Fixed Price Physical
Reference: 2018016645

We are pleased to confirm the following physical transaction concluded with your company on 12/26/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2010

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Spire Marketing Inc.

Contact Name: KAYLA HULL

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Spire Marketing Inc.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/27/2018, 12/27/2018, 20000, 3.03000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Spire Marketing Inc.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Tennessee Valley Authority
Attention: Contract Administration
Fax Num: (423)751-9602
RE: Fixed Price Physical
Reference: 2018016646

We are pleased to confirm the following physical transaction concluded with your company on 12/26/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 12/1/2003

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Tennessee Valley Authority

Contact Name: JOHN SALYARDS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Tennessee Valley Authority

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/27/2018	12/27/2018	10000	3.02000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Tennessee Valley Authority

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Twin Eagle Resource Management, LLC
Attention: Contract Administration
Fax Num: (713)341-7392
RE: Fixed Price Physical
Reference: 2018016647

We are pleased to confirm the following physical transaction concluded with your company on 12/26/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 3/19/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Twin Eagle Resource Management, LLC

Contact Name: GEORGE SHIRK

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Twin Eagle Resource Management, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/27/2018, 12/27/2018, 10000, 3.00000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Twin Eagle Resource Management, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: NextEra Energy Marketing, LLC
Attention: Contract Administration
Fax Num: (561) 625-7517
RE: Fixed Price Physical
Reference: 2018016648

We are pleased to confirm the following physical transaction concluded with your company on 12/26/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 10/1/2007

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: NextEra Energy Marketing, LLC

Contact Name: PETER BIELEN

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: NextEra Energy Marketing, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/27/2018, 12/27/2018, 7900, 2.98000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company NextEra Energy Marketing, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: EDF Trading North America, LLC
Attention: Contract Administration
Fax Num: (281) 653-1033
RE: Fixed Price Physical
Reference: 2018016649

We are pleased to confirm the following physical transaction concluded with your company on 12/26/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 8/13/2012

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: EDF Trading North America, LLC

Contact Name: DANNY MRAZ

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: EDF Trading North America, LLC

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Table with 4 columns: Begin Date, End Date, Volume, Price. Row 1: 12/27/2018, 12/27/2018, 2100, 2.98000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company EDF Trading North America, LLC

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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Louisville Gas & Electric Company
Kentucky Utilities Company
 220 West Main Street, 7th Floor
 Louisville, KY 40202

Date: 01/09/2019
 To: CIMA Energy, LP
 Attention: Contract Administration
 Fax Num: (713) 636-5020
 RE: Fixed Price Physical
 Reference: 2018016660

We are pleased to confirm the following physical transaction concluded with your company on 12/27/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 1/19/2009

LG&E Trader: PHOENIX WATERS **Service Level:** FIRM
Counterparty: CIMA Energy, LP
Contact Name: JOHN CODRINGTON
Commodity Type: Natural Gas
Buyer: Lou. Gas & Elect. Co./KY Utilities Co.
Seller: CIMA Energy, LP
Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/28/2018	12/31/2018	5000	2.89000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
 Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
 Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company CIMA Energy, LP

John H. Early

Manager, Credit and Contract Administration

By: _____
 Title: _____

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Louisville Gas & Electric Company

Kentucky Utilities Company

220 West Main Street, 7th Floor

Louisville, KY 40202

Date: 01/09/2019
To: Shell Energy North America (US), L.P.
Attention: Contract Administration
Fax Num: (713)265-2171
RE: Fixed Price Physical
Reference: 2018016661

We are pleased to confirm the following physical transaction concluded with your company on 12/27/2018.

Transaction amounts are expressed in MMBTU and US\$.

Agreement between LGE & KU and Counterparty dated 4/1/2009

LG&E Trader: PHOENIX WATERS

Service Level: FIRM

Counterparty: Shell Energy North America (US), L.P.

Contact Name: KELLY WILLIAMS

Commodity Type: Natural Gas

Buyer: Lou. Gas & Elect. Co./KY Utilities Co.

Seller: Shell Energy North America (US), L.P.

Delivery Location: Texas Gas Transmission - TGT Z1 MAINLINE POOLING

Begin Date	End Date	Volume	Price
12/28/2018	12/31/2018	15000	2.99000

Please Note:

Contacts: Documentation: Contract Administrator Invoicing: Gas Accounting
Telephone No: (502) 627-4197 Telephone No: (502) 627-4325
Fax No: (502) 627-4222 Fax No: (502) 627-3800

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Please return signed copy via fax to (502) 627-4222.

Regards,

Louisville Gas and Electric Company / Kentucky Utilities Company Shell Energy North America (US), L.P.

John H. Early

Manager, Credit and Contract Administration

By: _____

Title: _____

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