

Matthew R. Bernier
Senior Counsel
Duke Energy Florida, LLC

October 7, 2015

#### **VIA ELECTRONIC FILING**

Ms. Carlotta Stauffer, Commission Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850

Re: Fuel and purchased power cost recovery clause with generating performance incentive factor; Docket No. 150001-EI

Dear Ms. Stauffer:

Please find enclosed for electronic filing on behalf of Duke Energy Florida, LLC ("DEF") DEF's Request for Confidential Classification for certain information contained in Staff's Audit work papers pertaining to DEF's 2015 Hedging Activities Audit (*Audit Control No. 15-051-2-1*) filed on October 7, 2015. This filing includes:

- DEF's Request for Confidential Classification
- Slipsheet for confidential Exhibit A
- Redacted Exhibit B (one copy on disc & one copy enclosed)
- Exhibit C (justification matrix), and
- Exhibit D (affidavit of Joseph McCallister)

DEF's confidential Exhibit A that accompanies the above-referenced filing, has been submitted under separate cover.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Respectfully,

MRB/mw Enclosures s/Matthew R. BernierMatthew R. BernierSenior CounselMatthew.Bernier@duke-energy.com

cc: Certificate of Service

### **Duke Energy Florida, LLC**

Docket No.: 150001

#### **CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail this 7<sup>th</sup> day of October, 2015 to all parties of record as indicated below.

## <u>s/Matthew R. Bernier</u> Attorney

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power cost recovery clause with generating

performance incentive factor.

Docket No. 150001-EI

Dated: October 7, 2015

DUKE ENERGY FLORIDA LLC'S REQUEST FOR CONFIDENTIAL CLASSIFICATION

Duke Energy Florida, LLC, ("DEF" or "Company"), pursuant to Section 366.093, Florida

Statutes (F.S.), and Rule 25-22.006, Florida Administrative Code (F.A.C.), submits this Request

for Confidential Classification for certain information contained in Staff's audit work papers

pertaining to DEF's 2015 Hedging Activities Audit (Audit Control No. 15-051-2-1). In support

of this Request, DEF states:

1. The Staff audit work papers at issue contain "proprietary business information"

under Section 366.093(3), Florida Statutes.

2. The following exhibits are included with this request:

(a) Sealed Composite Exhibit A is a package containing an unreducted copy

of all the audit work papers for which DEF seeks confidential treatment. Composite Exhibit A is

being submitted separately in a sealed envelope labeled "CONFIDENTIAL." In the unredacted

version, the information asserted to be confidential is highlighted by yellow marker.

(b) Composite Exhibit B is a package containing two copies of redacted

versions of the documents for which the Company requests confidential classification. The

specific information for which confidential treatment is requested has been blocked out by

opaque marker or other means.

- (c) Exhibit C is a table which identifies by page and line the information for which DEF seeks confidential classification and the specific statutory bases for seeking confidential treatment.
- (d) Exhibit D is an affidavit attesting to the confidential nature of information identified in this request.
- 3. As indicated in Exhibit C, the information for which DEF requests confidential classification is "proprietary confidential business information" within the meaning of Section 366.093(3), F.S. The audit work papers contain information that relates to sensitive business information, such as internal hedging practices and procedures, hedging volumes and transactions, hedging forecasts, percentages, and pricing information, the disclosure of which would impair the efforts of the Company to negotiate fuel supply contracts and fuel hedges on favorable terms. See § 366.093(3)(d), F.S.; Affidavit of Joseph McCallister at ¶ 4. Additionally, if the information at issue was disclosed, DEF's efforts to obtain competitive energy supply that provides economic value to both DEF and its customers could be compromised by competitors for such commodities changing their purchasing behavior within the relevant markets. See id. at ¶ 5. Furthermore, the information at issue relates to the competitive interests of DEF, the disclosure of which would impair DEF's competitive business. § 366.093(3)(e); Affidavit of Joseph McCallister at ¶ 5. Accordingly, such information constitutes "proprietary confidential business information" which is exempt from disclosure under the Public Records Act pursuant to Section 366.093(1), F.S.
  - 4. The information identified as Exhibit "A" is intended to be and is treated as

confidential by the Company. See Affidavit of Joseph McCallister at  $\P$  6. The information contained in the audit work papers has not been disclosed to the public, and the Company has treated and continues to treat the information at issue as confidential. See id.

5. DEF requests that the information identified in Exhibit A be classified as "proprietary confidential business information" within the meaning of section 366.093(3), F.S., that the information remain confidential for a period of at least 18 months as provided in section 366.093(4) F.S., and that the information be returned as soon as it is no longer necessary for the Commission to conduct its business.

WHEREFORE, for the foregoing reasons, DEF respectfully requests that this Request for Confidential Classification be granted.

RESPECTFULLY SUBMITTED this 7<sup>th</sup> day of October, 2015.

#### s/Matthew R. Bernier

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# Duke Energy Florida CERTIFICATE OF SERVICE

Docket No. 150001-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via email this 7<sup>th</sup> day of October, 2015 to all parties of record as indicated below.

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# Exhibit A

(Staff audit work papers) (Audit Control No. 15-051-2-1)

# "CONFIDENTIAL"

(filed under separate cover)

# Exhibit B

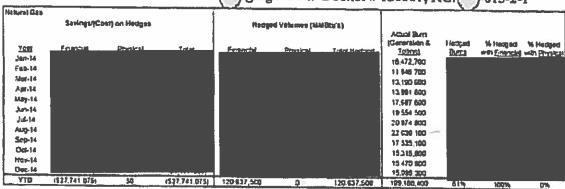
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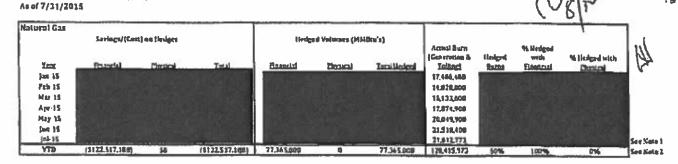
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	Financial	FIXED SWAP	-	1/1/2014 1/1/2014	3757484	CEIM	FERC	MARKEN			34 3400			
-	Felantial	FIXED SWAP	-	W1/2014	3778417	MACON	# ERC	MADON			54 3400			
- 1	Ferancial	FIXED SWAP	_	1/1/2014	3726534	Cijin	FERC	MADEN			\$4,3400			
- 1	Pendresal	FUXER BWAP	-	#1/2014	3784264	MACON	SERC	MADEN			14 3460			
	Francist	FITED SWAP		1/1/2014	3854137	CENU	IFFE	MARKAN			\$4.3400 \$1.3400			



As of December 31, 2914

instrumer#

FILED EVIAP

PIXED SWAP FIXED SWAP FIXED SWAP

Put/Call Month

ZEry

1/1/2014 3400258

1/1/2014 3810168 6/1/2014 3818268 1/1/2014 3819232

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CSEL

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Financial Financial

# DEF Gas Hedging Status CONFIDENTIAL

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Bricket No. 140001 Li Vizzess - McClay Tichbal No. - (Jill 17) Hodging Botals (Aug. Bec 2013) 2 of 2

fred Price (IMPATION	WERG ben ament (4-Vitable)	Sever, Cost on Period	Actuat Projected Euros	% Hedged
	14 3400			
	84 3400			
	84 3490			
	M 1670			





\$							las Hedging Stat	us				
As of thecems  Physical Financial  Financial	er 31, 2014					CONF	FIDENTIAL					
Payment Francisi	Bretzumene	PAR	N and	tree	Countriparty	Plaists	Kerates	Valume	(\$1500 (FE)	\$100 Play	Savangs Cost en A Hedge	Sume
Ferancial	FIXED SWAP	-	1/1/2014 1/1/2014 To	4071985	MC	IFERC	MAHALIY_	See See U.S.		\$4 3400		16,62
									20200			-
Fenergial	FORED FINANCIAL OFTION	PUT	2/1/2014	3513802	RAR# BAR#	HAMEX	NG NG			15.2010		-
Finencial	FOREID FOUNDELL CATION	CALL	2/1/2014	3523372	Maca	HYMEX	NG			\$3 6570		
Freeze	FIRED PHANCIAL OFTION	PUT	2/1/2014		MSCG	MARKEN	NG		NAME OF TAXABLE PARTY.	15.5570		
Federical	FIXED FWANCIAL OFTION	EALL	211/2014		CSEL	KSILVM	DM		2000	45.5570		
Financial	FIXED FINANCIAL OPTION	CALL	2/1/2014	3533847 3538978	CSEL	MAINER	HG HG			15 5570		
Francia	FIXED FRANCIAL OPTION	PUT	271/2014	3536616	CITU	HYUEK	NG		1000	25 5.57n	-	-
Firances	FIXED FINANCIAL OPTION	CALL	2/1/2014	3551089	UARI	WERC	TRN4524			\$3 6400		
Einancel	FIXED FWANCIAL OPTION	PUT	2/10014	2551069	BARI	FERC	1R14524		The second second second	\$5 Acong		
Contract	FIXED FWANCIAL OPTION	CALL	2/1/2014	3581781	JPUCI	# ERC	TRASZA TRASZA			13 6000 15 6000		
Financial	FIXED FINANCIAL OPTION	GALL	2/1/2014	2584190	JPMCs	FERC	1RN324		-	\$\$.0000 \$\$.0000		
Fedencial	FINED FPIANCIAL OPTION	Pul	2/1/2014	3564190	PHEA	#ERC	TRHS24			23 5000		
Financial	FIXED FINANCIAL DETION	CALL	2/1/2014	3566163	CSEL	FERC	TRMS24			35 6000		
Finançasi	FIXED PINANCIAL OPTION	PUI	2/1/2014	2546763 3801617	CSEL MSCG	IFERC	TRNS24 TRNS24			LS 6000		
Ferencial	FIXED FINANCIAL OPTION FIXED FINANCIAL OPTION	PUT	2/1/2014	3601417	macci	SERC	TRMS24			15 0000 15 0000		
Financial	FIRE D FINANCIAL OPTION	CALL	3/ V2014	3608549	SPINCE	IFERC	TRIN524			33 0000		
Fenercial	FIXED FINANCIAL OPTION	PUT	2/1/2014		JPACE	IFERG	TRNS24			15.0000		
Financial	FIXED FINANCIAL OPTION	CALL	271/2314	3022723	PHE	IFERG	TRNS24			85 6000	-	
Financial	FIXED FINANCIAL OPTION	CALL	2/1/2014	3622723 3638221	JPMC# MBCQ	FERC PERC	TRHS24 TRHS24			\$3 6000 \$5 6000		-
Finantial Finantial	FIXED FINANCIAL DOTION	PUT	2/1/7014	3638221	usca	PERC	TRASE4			13 6000		
Finantial	PEXED FINANCIAL DETION	CALL	2/1/2014	2654826	BARS	#ERC	TRNS24			\$3 6000		-
Feurest	PIXED PHANCIAL DITTION	PUT	2/1/2014	3854474	BARS	PERC	TRNSEL			23 8000		
[mantsal	FIXED FRANCIAL OPTION	CALL	2/1/2014	3878445	JPIACE JPIACE	IFERC	TRNS24			\$7 6000	- ESSESSE	
Fesnosi Fesnosi	FIXED FINANCIAL OPTION FIXED FINANCIAL OPTION	PUT	2/1/7914 2/1/7914	3676445 2738707	CITU	#ERC	7RN324			25 6000 25 6000		
Feancet	FIXED FRANCIAL CPTION	Put	2/1/2014	3739707	CITIE	SAB-M	79H/574		The second second	La 0000		
Fenencial	FISFD SVMP	-	3/1/2014	2209434	MC	IFERC	101/0			85 5800		
Farancial	FIXED BOOK		2/1/2014	2214163	WECG	SERC	10139			\$5 \$630	AND DESCRIPTION OF THE PERSON	
Financial	FIXED SWAP		2:1/7014 2:1/7014	2202174 2340478	MSCG	FERC IFERC	HANS			13 5400 13 5400		-
Ference	FDICO SYAM		2/1/2014	2372733	BARK	HERG	HHUB			11 1000		
Financial	LINED SAME		210014	3321944	JPMC#	IMMEX	IIG			13.5570		
Featest	FIXEDEWAP		201/2014	3330355	cms	HYMEX	HG			0722.41		-
Financial	FIXED SWAP	_	21/2014	3334676	OEU#	HYMEX	NG NG			15 1570	THE STREET	
Financial	FIELD SYMP		2/1/2014	3347370	MSCG	WERE	HUILIR			\$3.5570 \$3.5800		
Farencial	FIXED SYMP		2/1/2014	3354197	DEU	WERG	I STATE OF THE			15 5800	76 S S S S S	-
Financial	FIRED SYMP		2/1/2014	3355378	BARS	WERC	ниц			19 5400	F1875-000	
Financial	FIXED SYVAP		2/1/2014	3378122	PUCI	FERC .	HHUB			15 1400	E2235=10	
Financial	FIXED SYMP	-	2/1/2014	2371652 2372254	CSEL	WERG	HARR			15 5800 15 6800	PEYER YEAR	
Financial	FIXED SWAP		211/2014	3378589	MSCO	IFERC	HARM			15 52:00		
Financial	FIXED SWIP		2/1/2014	2295632	BARe	WERG	BEAINEN			15 5300	6.03	-
Francii	FIXED SWAP		2/1/2014	3450331	CSEL	FERC	MAINEN			15 5200	-	
f wantel	FIXED SWAP		2/1/2014	3451639	BARE	WENC	MARKEN			15 1200 13 1200		
Financial	FRED SWAP		2/1/2014		CITIA	WERC	MANAGE			13 1200		-
Financial	FIXED SWAP		2/1/7914	3491025	CSEL	FERC.	MAINLH			S 1200	-	-their s
Frencial	FIXED SWAP		2/1/2014	3523054	WAR	IFERC	MARKEN		ALC: NO.	5 5700		
f engacial	FIXED SWAP	-	2/1/2914	3833383	BAR	WERC	MANA H			5 6700		
Financial	PIKED SWAP	-	2/1/7814 2/1/7814	3809023 3636126	BAR# JPMC#	FERG	MARGH			45.5208	-	
Férançai	FIXED SWAP		2/1/2014	3661873	CEH	FERC	MANALI			5 5200 5 5200	E E E	
Financial	FIXED SWAP		2/1/2014	3681863	CSEL	WERG	IA DUAL			3.4200		
Financial	FIXED SYMM		2/1/2014	3099721	CEHF	PERG	MAIHLN			5 \$200	-	
Françal	HEXET) SWAP	-	2/1/2014	3749634	MSCG	IFERC	HABRA			3 52700	(A) STILL	
Financial	FIXED SWAP		2/1/2014	3755102	BOME	WERC IFERC	MARKEN			5 £200	EXCESSES	
Financial	FIXED SYVAP		2/1/2014	3787484	CEIM	# ERC	HARRIN			5 5200 5 5200		
Ferancial	FIXED SWAP	-	2/1/2014		MACOF	FERG	HARRIE			3 2500		-







As of December 31, 2014

Prochet No 140001-E Wilness Reclay Crinot No JM 11)
Houging Relate (Aug. Dec 2013)
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DEF Ges Hedging Status CONFIDENTIAL

Prysteal' Financial	Instrument	PLICAN	Manu.	ZBry	Southerparty	Market	Constion	Vatums	Fired Price 3 MWStat	U ERC Sett ement (1 N'MB(u)	Sayıngu'Cast on Hadye	Actual Projected Burne T	Skiedsed
Foates	FIXED SWAP		2/1/2014	3786535	CUIN	FERC	HAMMAN			\$5 \$200			
Ferancial	FIXED SWAP		2/1/2014	3758085	MYCGE	PERC	MANAN			\$5 5200			
Financial	FIXED SWAP		3/1/2014	3804139	CEIm	FERC	MARKUN			\$5.570B			
Fenancial	FILED SWAP		2/1/2016	3808259	CEN	FERC	SAA INILIY			£3 \$200			
Fenancial	FIXED SWAP		2/1/2014	3610170	CITIE	FERC	MANUEN			15.5790			



Wiche Cuttieniant . Bannge Cost en ActualProperted. Fired Pere Petital Mania Ma.Net BOSDISMAN ZPer Countryputy Louisen Volume. % Pridged 15-7/249 tes (1 tate Braj | · Financial 2102701 Barna MACCH MARKEN FIXED SWAP 2/1/2014 3619270 **BERC** 15 5200 Financial 2/1/2014 3859903 CSEL FERC MARKH 15.5200 FROM SWAF Financiat 2/1/2014 4071988 MILC FERC MANHLY SATES CAMP 15 5799 2/1/2014 Total 11,945 780 BAR HYMER NO FIXED FINANCIAL OFTION 3/1/2014 3513403 34 9110 Formulai BARR FIXED FHANCIAL DITTION PUT 3/1/2614 3513403 NYMER HO \$4,8550 Financial FICED FINANCIAL OPTION 3/1/2014 3523373 MECO HYMEX PPG: \$4 8550 CALL Financial FIXED FRANCIAL OPTION 3/1/2014 3123373 MSCG MYMEX HG 14 8550 Enamost PAT NG FIXED FINANCIAL OFTION **CSFL** NYMEX \$4 8556 Financial CALL 2/1/2014 3513345 CEFE SACS Ferenzal FIXED FINANCIAL DETION PUT 3/1/2014 1533646 RYMEN. 84 4550 FUICD FINANCIAL OFFICE 3/1/2014 3538678 CHIE HYMEX NG 34 6550 Ferancial CALL FIXED FRANCIAL OPTION 3/1/2014 1534678 CITIE NYMEX NO \$4 6550 PUT Estance 3/1/2014 3551070 BARD FERC TR#1524 14,8100 Ferantali FORED FINANCIAL OPTION CALL MARIE IPERC. TRHS24 FRED FINANCIAL OFFICH 3/1/2014 3551078 SA BROD Financial PUT FIXED PHANCIAL OPTION 3501782 PMC MERC 1 RHC324 54 8800 CALL Felancial FIRED PHIANCIAL OFFICH PUT 3/1/2014 3581782 PMC WERC 1 PMSZ 0 54 8800 Francis PUCE MERC TRHESZ4 Ference FINED PHANCIAL OPTICAL CALL 3/1/2014 3584191 \$4 8800 FERC TRHSZE FIXED FUNANCIAL GITTION ועיו 3/1/2014 3504101 PMC 34 6600 france PLIED FRANCIAL OFFICH 3/1/2014 3500909 CSEL SEFAC 1004374 34 8800 CALL Frencial FIXED F MANCIAL OF HOM 3/1/2014 2500900 COCL IFERC THUSTA 14 8 800 I rented PUT 3/10/014 3601618 MSCO MERIC TRH324 \$4 2100 Françai FROM PRIMARCIAL OFFICE CALL MSCO MERC TRUSZ 4 Emanad FIRED FINANCIAL OPTION PUT 3/10/014 3/01/018 34 8 600 FIXED FHANCIAL OPTION CALL 3/1/2014 3608550 **JPMCs** MERC TRMSEA \$4 8800 Ferencial WERG TRHSZ4 FARE'D FRANCIAL OPTION 2/1/2014 3808550 JPIACE 54 E330 PIT Ferrecal 3423724 JPMCF IFERC TRUCKZA FIXED FWANCIAL OPTION CALL 3/1/2014 34 6440 Finencial PIXED FRANCIAL OPTION PUT 3/1/2014 3823724 JPIAC. FERC TRNS74 \$4 8800 Ferencial MICG FERC TRN 32 4 Fathocal PURED FINANCIAL DITTION CALL 3/1/2014 3639273 54 8800 MEG FERC 18N3Z4 3838222 Epancial FIXED EMANCIAL DETICH PUT 3/1/2814 54 8400 FIRED FURNICIAL CPTION 3/1/2014 3856427 DARK FFRC TRUSTA 54 8 600 CALL Financial FIXED PHIANCIAL CPTION 3/1/2014 3646827 BASIN FERC TRASZ 84 8200 Figureral PUI PIACE # ERC TRASZA F-mancial FIRED FINANCIAL OPTION CALL 2(1/2016 3676446 \$4 6900 PUCE FFRC FIXTH FRIANCIAL DPTION PUT 3/1/2914 3818448 1894524 14 8400 FIEED FINANCIAL OPTION CALL 3/1/2014 3738704 CITIE FERS TRHSTA 54 8480 Francial FIXED FINANCIAL OPTION 3/1/2014 3738758 CITY PEAC TRHS74 \$4 8800 Feetend PUT FIXED SWAP 3/1/2014 2209435 NIC HERC 10400 Figures 54 9680 WERG MICO Federal FRIED SYNAP 3/1/2014 2744184 PRHIE 14 8800 MISCE HERO HHILID FIXED GWAP 3/1/2014 7252175 \$4,9800 Правел FERC INUB FRED SWAP 3/1/2011 2348627 JPMC4 34 8800 F (Unnom) BARI FERC 10/08 FRIED SWAP 3/1/2014 2372134 \$4.8m00 Firential Personal PPIDD SYMP 3/1/2014 3321945 PMC NYMEX MG \$4 8550 HYMEX NG FIXED SWAP 3/1/2014 3330354 CITH E'inanges 34 1550 3334621 HYME FIXED SWUF 3/1/2014 DELW NG Fenancial \$4 e55m FUED EVAP 1/1/2014 33475ed MSCO MYMER ME. 54 E550 **Financial** FIXED SWAP 3/1/2814 2150000 MSCG FERC HHIUB \$4 9000 FIECD SWAF 3/1/2014 3354100 DEUF FERC HHUB Figure 1 \$4 \$800 BARR **GERC** FIXED RAILP HISTORY f manqai 3/1/2014 3355379 \$4,6800 Financial FIXED DWAP 3/1/2014 3370173 JPMC# **IFERC** 44 E.M 34 8600 FIRED EWAP CSEL FERC 10-surft 3/1/2014 3371653 \$4 \$800 Financial FIRMORE PIXED SWAP 3/1/2014 3312255 **"РИС** PERC HHILIT SA BREET MSCG FERC Ferancial FIXED SHAP 3/1/2914 3376590 10-623 \$4 means FIXED SWAP 3/1/2014 1306833 BARR IFERC SAARK M Francis \$4 8200 MANAN 3/1/2014 3458332 WERC FILLD SWAF 34 8200 F mencial FIXED SWAP 1/1/2014 3481640 BAR IFERC HARAB Francis 34 6200 Firstinosi FOXED SYMP 3/1/2014 34/3272 BARI **IFERC** MAIM M \$4 8200 FERED SWAP VIDELL 3470012 CITH IFERC MARKER Financial \$4.8200 FIXED SYMP 3/1/2014 3481426 CACL FERC MARKEN Feanciel 14 8200 Ferancial FIXED SWAP 3/1/7014 1323055 BARR WERC MANGH \$4 6290 I mancal FIXED SYMP 3/1/2814 3005306 BARRE IF ERC BARRIER BA \$4 1200 FITLD SYMP 3/1/2014 BARR WERC ALC IN LN Ferenoul \$4 1200 FIXED SWAP 3436127 PMC WENC GAN ING PA 3/1/2014 I maneral \$4 8200 FIXED SWAP CEH AMAIFALM 3/1/2014 3861874 OF EMC Fmarqai E4 4200 Financial FIXED SYMP 3/1/2014 3631934 CREL PERC BLAIPIL PE F4 8200 FUED SWAP 3/1/2014 3001772 IFERC MANNEN Financial CEH \$4 B200 FUIED SWAP 3/1/2014 3749655 MSCG FERC MARKE Financial \$4 3200

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As at December 31, 3814

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7 **DEF 2015** 

Docket No. 140001 E1
Whitess MtcClay
Establish No. (JM 11)
Heograp Dotals (Aug. Doc 2013)
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# DEF Gas Hedging Status CONFIDENTIAL

Preside Financial	Estiment	Puttall	Lienth	Zilley	Courtesparty	Hanet	Leisten	Volume	Fixed Pilice (UTIV/Org)	IF CITIC STRUCTURE (ECMMORU)	Bayings Castion Findge	Actual Projected Earns	Service :
(intended	FIRED SYMP		3/1/2014	3767495	CEHE	IPERG	LAANIN H	10473/95000		\$4 8200	Part of the second second		
Fatantical	FIXED SWAP		3/1/2014	3178418	MACCIE	IFERC	MANUA:	THE REAL PROPERTY.		\$4 6700	100000000000000000000000000000000000000		
Fearon	FIRED SWAP		3/1/7014	3748530	CITY	FFRC	LEASING, FI	58.5		\$4 8200	LESVI NO		
Feancial	FIELD SWAP		3/1/2014	3188006	MEGE	WERC	MAHLN			\$4 0200	DECLI STATE		
Financial	FTALID EWAP		3/1/2014	3804139	CEHP	IFERC	SAAMALM	I SHARES		\$4 6200			

DEF 2015 ( ging Audit. Docket # 150001; ACN 045-2-1

Docket No. 140001-EI
Witness McClay
Esh bid No. \_\_\_\_ (JM-1T)
Hedging Details (Aug - Dec 2013)
7 of 22

Physical Financial	Instrument	PowCall	Menth"	Zrey	Counterparty	Panel	Lecation	Votume	Fixed Price (\$.1996tu)	FERU Settlament (\$3448tu)	Savings/Cost on Actual/Projected to Hedged
Francial	FIXED SWAP	-	3/1/2014	1 3808260	CEHR	FERC	LUAIRILH			\$4 8700	
Finencial	FIXED SWAP		3/1/2014	3819171	CITIE	IPERC	MAINLN			34 8200	
Ferencial	FIXED SWAP		3/1/2014	3819271	MACGO	IFERC	MAINEN			54.8200	
Emencial	FIXED SWAP	1	3/1/7014	3858904	CSEL	IFERC	MAINLH			34 8200	
Finencial	FIXED SWAP	-	3/1/2014		MIC	IFERC	MAINLH			\$4 8200	
			3/1/2014 To								13,190,600
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3502050	JPMC#	HYMEX	HG			\$4 5840	
Financial	FORED FINANCIAL OPTION	PUT	4/1/2014	3502050	JPMC#	HYMEX	NG			\$4 5840	
Financial	FIXED FINANCIAL OPTION		4/1/2014	3513904	BARII	NYMEX	NG			54 5840	
Financel	FRED FINANCIAL OPTION	PUT	41/2014	3513804	HARE	NYMEX	NG			\$4.5640	
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3323374	MSCG	NYMEX	NG			\$4 5640	
Financial	FIXED FINANCIAL OPTION	PUT	4/1/2014	35733/4	MSCG	HYMEX	NG			\$4 5840	
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3533849	CSEL	HYMER	NG			34 5840	
Financial	FIXED FINANCIAL OFTION	PUT	41/2014	3533849	CSEL	HYMEK	NG			84 5840	
Financial	FIXED FINANCIAL OPTION	CALL	WW2014	3538899	Citie	HYMEK	ND			34 5840	
Financial	FIXED FINANCIAL OPTION	PUT	4/1/2014	3538680	CITM	NYVEX	HG			34 5840	
Financial	FIXED PHANCIAL CITTION	CALL	4/1/2014	3551071	BAR#	IFERC	TRNS24			\$4 5900	
Financial	HXED FINANCIAL OPTION	PUT	41/2014	3551071	BARS	IFERC	TRNS24			\$4 5900	
Ferancial	FIXED FRIANCIAL OPTION	CALL	W1/2014	3581783	JPMC+	IFERC	1RHSZ4			34 5900	
	FIXED FINANCIAL OPTION	PUT	J1/2014	3581783	JPMC#	IFERC	TRHSZ4			\$4 5900	
Financial	FULD FINANCIAL OPTION	CALL	4/1/2014	3584192	JPMCs	IFERC	TRHS24			34 5900	
Financial	FIXED FINANCIAL OPTION	PUT	4/1/2014	3584192	JPMC#	IFERC	IRNS24			34 5900	
	FIXED FINANCIAL OPTION	CALL	4/1/2014	3586989	CSEL.	IFERC	TRNSZ4			and the state of t	The second section is a second section of the second section of the second section is a second section of the secti
Financial	FIXED FINANCIAL OPTION	PUT	W1/7014	3586969	CSEL	FEAC	1RHS24			\$4 \$900 \$4 5900	
water that is been probable	FIXED FINANCIAL OPTION	CALL	4/1/2014	3601619	MSCG	FERC	TRNS24			The second second second	
(mangal	FIXED FINANCIAL OPTION	PUT	41/2014	3601619	MSCG	FERC	TANSZ4			S4 5800	
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3606551	JPHC#	IFERC	TRHSZ4			34 5900	
Financial		PUI	4/1/2014	3606551	JPNC#	# ERC	NAME AND ADDRESS OF THE OWNER, WHEN PERSON NAMED IN			\$4 5000	
Financial	FIXED FINANCIAL OPTION	CALL	#1/2014 #1/2014	3673725	JPI4C4	IFERC	TRNSZ4 TRNSZ4			\$4 5900	The state of the s
Enancel	And the second second second second second second	ACCUPATION AND ADDRESS.	4/1/2014	3623725	"PACE	FERC	Committee on the committee of the commit			34 5900	The state of the s
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3639775	MSCG	FERC	TRMS24			14 k900	
Financial		PUT	4/1/2014	3639225	MSCG	IFERC .	TRNSZ4			\$4 5900	
Financial	FIXED FINANCIAL OPTION FIXED FINANCIAL OPTION	100	4/1/2014	3858828	BARE	IFERC	AND REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PARTY			\$4 5900	
Francial	THE RESERVE THE PARTY OF THE PA	CALL	4/1/2014	3050828	BARI	PERSONAL PROPERTY AND ADDRESS OF THE PARTY AND	THHSZ4			\$4 5900	
Financial	FIXED FINANCIAL CPTION	PUT			JPMCs	IFERC	TRNSZ			\$4 5900	
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3075447	the same of the sa	IFERC	TRHSZ4			\$4 5900	
Frencel	FIXED FINANCIAL OPTION	PUT	4/1/2014	3878447	JPMC#	FERC	TRNS24			\$4 5900	
Financial	FIXED FINANCIAL OPTION	CALL	4/1/2014	3738709	Citia	IFERC	TRNSZ4			\$4 5900	
Financal	FIXED FINANCIAL OPTION	PUT	4/1/2014	3738706	CITH	IFERC	TRH524			\$4 5900	
Financial	FIXED SWAP		4/1/2014	2126539	JPNCII	FERC	HHUB			\$4 5900	The second secon
Financial	FIXED SWAP	-	4/1/7014	2130431	DEU	IFERC	11844			34 5900	VICE TO THE PARTY OF THE PARTY
Finencial	FIXED SWAP	-	4/1/2014	2140359	DECH	IFERC	HARAI			\$4 5000	
Financial	FIXED SYMP		4/1/2014	2185108	CSEL	HERC	HHUB			34.5800	
Finançal	FIXED SWAP	_	4/1/2014	2181910	MLC	(FERC	HHUB			34 5800	
Francial	FIXED SWAP	-	4/1/2014	2194805	MLC	IFERG	14413			\$4 5900	
Financial	FIXED 5WAP		4/1/2014	2209436	MLC	IFERC	HHUD			\$4 5000	
Ferancial	FIXED SWAP	-	4/1/7014	2220234	JFMC#	IFERC .	HIND			34 5900	
Financial	FIXED SWAP		4/1/2014	2244185	USCG	#FERC	HHVB			34 5900	
Financial	FIXED SWAP		4/1/2014	2262176	MSCG	IFERC	BUHOI			\$4 5000	
Finançai	FIXED SWAP	-	4/1/2014	2287829	CSEL	IFERC	HUIUE			\$4 5100	
Financal	FIXED SWAP	-	4/1/2014	2290921	UJJ0	WERC	HHUB			84.5900	
Financial	PIXED SWAP	-	4/1/2014	2304871	IPMCF	WERC	THIUB			\$4 5000	- Annual Control of the Control of t
Financial	FIXED SWAP		4/1/2014	2334872	CSEL.	# ENC	INIVA			\$4 5900	
Financial	FIXED SYAM	-	4/1/2014	2346628	JPMCP	IFERC	INKLE			\$4 5000	
Financial	FIRED SWAP	-	4/1/2014	2372735	BAR#	WERC	INIUB			54 5900	
Figancial	FIXED SWAP		4/1/2014	2407836	DEAN	IF ERC	HHUB			\$4 5000	
Financial	FIXED SWAP		4/1/2014	2451049	BARe	IFERC	HINB			\$4 5900	
Feanciel	FIXED SWAP		4/1/2014	2469678	CSEL	IFERC	HHUB			\$4 5500	
Financial	FIXED SWAP	-	471/2014	2578408	BARR	FERC	ELIMIN			84 5900	
Financial	FIXED SWAP		4/1/2014	2022025	BARB	MYMEX	NG			24 5840	
Friendal	PIXED SWAP		4/V2014	2855328	JPMCs	HYMEX	NG			\$4 5040	
Finencial	FIXED SWAP		4/1/2014	3475478	CSEL	NYMEX	MG			\$4 5640	
Financial	FIXED SWAP		4/1/2014	3477408	BAR#	HYMEX	NG			\$4 5840	
Financial	FIXED SWAP		4/1/2014	3479027	CSEL	NYUEX	riG			\$4 5840	

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As of Desember 21, 2004

OEF 2017 : dging Audit. Docket # 150001; AQ 5-045-2-1

Physical: Excunctal	Procurect	Patter	& antib	Zen	Counterparty	Warter	Letters	Volume	fire (Pora (\$1008by)	HERDE-nament (Emmoiat	Savings Coston Hedge	Astual Projettad Bama	% Hedged
Feantial	FILED SYLLP	1	471/2914	3500344	BARR	NYMEN	NG			\$4.5848			
Ferancial	FIXED SWAP		#/1/2014	3503811	DEW	NYMEX	NO.			£1 5640			
Financial	FIXED SWAP		4/1/2014	3570584	USCG	HAMEX	NG			\$4.5840			
Funancial	FIXED EWAP		4/1/2014	3522710	CSEL	MANEX	MG			34 5840			
Feercat	FILED SWAP		4/1/2014	2531873	BARB	HYMEX	NG			\$4.5840			
Femal	FIXED TWAP		4/1/2014	3605293	CITIA	HYMEX	NG			84 5840			
Freedor	FIXED SWAP		4/1/2014	3612068	CEFL	MYMEX	HG			\$4 5840			-
Financial	PIXED SWAP		471/2014	3635390	CSEL	FERC	MANUE			E4.5400			
Francial	FIXED SWAP		4/1/2014	3643158	MACGE	MERC	MANUAL			\$4.5400			
Financial	FIXED SWAP		4/1/2014	3064483	JPMCF	#ERC	MANKEN			34 5400			To the same of
Francis	FELED SWAP		4/1/7014	3647251	PHO	SPERC	MARKH			\$4,5400			E. S
Financial	FO ED SWAP		4/1/2014	3003554	CSEL	FERC	MAHLH			\$4 \$400			
Ferencesi	FIXED SWAP		4/1/2014	3690921	COEL	IFFRC	HDWAR			34.5405			
Francial	FORED SWAP		4/1/2014	3784508	143CG	WERC	HANKH			\$4 \$400			
French	FOLED SWAP		4/1/2014	3749636	CSCL	WERC	MAHLN			34 5480			
Francial	FIXED SWAP		4/1/2014	3703601	BARE	FERC	MAINLN			\$4 \$400			
Fenancial	FEED SWAP		471/2014	3777504	JPMCH	IFERC	MANAN			\$4 \$480			
Fenancial	FIRED SWAP		4rt/3014	3700049	JPMCs	IFERC	SAANUH			24 2400			
Francel	FIXED SWAP		4/1/2014	3796531	DELM	IFERC	MANAIN			\$4 5400			
Emaneur .	FUEDEVAP		4/1/2014	3700132	CITY	IFERC	BEAUNEN			\$4 \$400			



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Physical	lesteres)	PetCel	Carth	2 Kry	Counterparty	Fasts	tocason	Valume	For Pros	State Selferment		Altus: Projected % thedge
Financial	FOREIT SWAP	-	4/10014	2804721	CITIA	PERC	MARILIN		(1 thinbay)	[F1///Eta]	Hedge	Burs Alvert
Francis	FITED SWAP	-	4/1/2014	3804721	BARI	IFERC	MANKN			34 5480		
Financial	FIXED SVAP	-	4/1/2014	3848352	CSÉL	FERG	HAHAH			\$4 5400		
Febboson	LINED BAMA.		4/1/2014	4071871	PMCs	FERC	MAMA			\$4 \$400		
Financial	FIRED BYMP		4/1/2014	4000010	BDW	#ERC	MARKIN			\$4 5430		Control of the American Control of the Control of t
Finencial	FIRED SWAP		4/1/2014	4107078	BOTH	FERC	MAIRIN			\$4 \$400		
Fatercall	FIRED SYMP	1	4/1/2014	4149423	9014	FERG	MANNEN			34 5400		
Financial	FIRED SWAP		4/1/2014	4170563	MC	FERC	MAINLY			24 5400		
Finercial	FIXED SWAP		4/1/2014	41(003)	MC	IFERC	MARKET			34.33(0)		
Featrasi	FIXED SWAP	-	41/7014	4225115	CITIE	BERC	MARKEN			\$4 5400		
Fanncial	FIXED SWAP	-	4127014 4127014	421511B 4263394	BOM	#ERC #ERC	MARKIN			\$4.5400 \$4.5400		
Fingetist	FIXED SWAP	-	4/1/7014	4264229	MACOR	BERC .	MANGN			\$4 5400		
Fungacial	ENED SAME	-	4/1/2014	4294956	BOMS	HERC	MANAN			\$4 \$400		
Foundation	FIXED SWAP	-	410014		BGIAR	HENC	TRNS24			\$4 5900		
Freegal	THE DESIGNATION OF THE PERSON	-	4n/2014 To		-							13,791,590
Financial	PTYEE A PHANCIAL OFFICH	CALL	5/1/2014	3562051	SPACE	MYMEN	NG			\$4.7950		
Financial	PIXED FINANCIAL OPTION	PUT	910014	3542951	JPMCII	MUNEX	HG			54 7950		
Financial	FIXED FINANCIAL OPTION	CALL	3/1/2014	3513005	BARS	NTMEX	NG			54 7950		
Franciel	FIXED FINANCIAL DETION	PUT	\$/1/2014	3513805	BARP	HYMEN	HG			34 7950		
Financial	HIZER FINANCIAL OPTION		\$/1/2014	3573375	USCG	NAMEX	NG			54 T958		
Feanoal	FIXED FINANCIAL OPTION		5/1/2014	3523375	usco	HYMEX	HG HG			\$4.7050 \$4.7050		
Finançal	FORED FINANCIAL OPTION		3/1/2014		CSEL	HOWEX	NG NG			The second second second		
Financial	FIXED FINANCIAL OFTION	CALL	\$/1/2014 \$/1/2014	3533858 3538961	CSEL	HYMEX	NG			\$4 7950 \$4 7930		
Ferancial	FIRED FINANCIAL OFFICH		5/1/2014	3538961	CITA	HYMEX	liG.			34 7950		
Featrasi	FIXED FINANCIAL OFFICH	GALL	Srs/2014	3551077	ORAGO	FERC	TRASEA			\$4 7700		
Feermal	FIXED FINANCIAL OFTION	PUT	J/1/2014	3551072	BARE	IFERC .	TRHSZ4			\$4,7700		
Financial	FIRED FHANCIAL OPTION	CALL	91/7014	2581284	JPMCs	MERC	TRHS24			\$4 7700		
Federal	FIXED FAIANCIAL OPTION	PUT	S177014	2581784	JPIACO	IFERC	TRNSZ4			\$4.7700		
Francia	FIRED FHANCIAL OPTION	CALL	J/1/2014	3644183	JPMCs	IFERG	TRH\$24			\$4 7700		
Finencial	FIXED FINANCIAL OPTION	PUT	M N/7014	2584183	JP10C0	IFERC	TPM\$24			S4 7703		
Franci	FIXED FINANCIAL OFFICH	CALL	S/1/2014	2586870	CEEL	PERC	TRMS24			64 7793		
Financial	FIXED FINANCIAL OPTION	PUT	\$/1/2014	2586970	CSEL	FERC	TRNSZ4			14 7700		
Financial	FIXED FINANCIAL OPTION	CALL	5/1/2014	3481820	MSCG	IFERC	1RMSZ4			J4 7700		
Francist	FIXED FINANCIAL OPTION	PUT	M1/2014	3801650	маса	I/ERC	TPHS24			34 7700		
French	FIXED FINANCIAL OPTION	CALL	5/1/2014	3601552	JPMCA	SFERC.	17045.24			\$4 7790		
Francial	FIXED FINANCIAL OPTION FIXED PHANCIAL OPTION	PUT	1/1/2014 1/1/2014	3608557	JPUCE	#ERC	TRUSZ4 TRUSZ4			\$4.7700		
Francial	FIXED PHIANCIAL OPTION	PUT	21/2014 21/2014	3623726	JPUCE	UFERC	TRHEZE			\$4 7700		
Financial	FIRED PHANICIAL OPTION	CALL	5/1/2014	3639224	MSCB	IFERC	TRHSZA			\$4 7700 34 7700		
Consecut	FINED FINANCIAL OPTION	PUT	\$/1/2014	3630278	usca	WERC	TRHSZ4			\$4.7700		
("viencial	FIXED FINANCIAL OFTION	CALL	5/1/2014	3658829	BARE	FERE	TRNS24			\$1,7700		
France	FIXED FINANCIAL OPTION	PUT	1/1/2014	3858829	GARB	FER:	TRHSZI			\$4 7700		
Ferangual	FERFE FINANCIAL OPTION	CALL	3/1/2014	3679448	JPMCF	WERG	TRHS24			\$4 7700		
Financial	FIXED FINANCIAL OPTION	PLIT	\$11/2014	3678448	JPNCF	IFERC	TRMSZ4			54 7700		
Fenancial	FIXED FINANCIAL OPTICH	CALL	5/1/2014	3738718	CHIN	IFERC	TRHS24			\$4 7700		1
Prospecial	FORED FRANCIAL OPTION	PUT	\$/1/2014	3738710	CHW	WERG	THYSE4			\$4 F700		
Financial	FIXED SWAP	-	¥1/7014	3126548	JPEICA	IFENC	HAUS			\$4 6100		
Paunciel	FIXED SWAP	-	91/2014	2130412	DEUs	IFERC	HUS			34 8100		
Financial	FIXED SWAP	-	91/7014 91/7014	2140360	CSEL.	IFERC IFERC	19439			\$4 0100		(1-14
Francial	FIXED SWAP	-	3/1/2014	210101	MC	FERC	HAND			\$4 6100 \$4 6100		
Ferencial	FORED SHYAP	-	11/2014	2194808	HEG	SFERC	HINE			\$4 \$100		
Fenanceal	FOXED SWAP		91/2014	2200439	NIC	IFERC	HINE			\$4 8190		
Ferenti	FIXED EVAP		5/1/3014	7270237	JPMC#	U'ERC	(etc)			54 8100		
Financial	FOXED SWAP		5/1/2014	2744166	MSCO	WERC	HHUB			54 6100		
I orangapi	FIRED SWIFE		5/1/2014	2202177	MSCG	WERG	HRUB			\$4 (100		
Ferencial	FIXED SWAP		Srt/2014	2297826	CSEL	WERC	HHUE			34 4100		
Federical	FIXED SWAP		5/1/2014	2294822	CELLO	IFERC	18 (UD)			\$4 \$100		
Ferencial	FIXED SYMP		4/1/2014	2304872	ansica	IFERC	HHUD			34 5100		
Faranciat	FILED EWAP		\$1/2014	2334073	CSEL	FERG.	HILB			34 1100		
Fenancial	FIXED SWAP	-	S/1/2014	2348428	PhriCa	IFERC.	HIUB			84 8 100		
Finercial	PIXED SWAP	-	\$1/2014	2372738	IIAR	#ERC	10 (1)			\$4.8100		
Entroll	FUED SWAP	-	Priceste	2007837	NAN NAME	FERC	HALFE			\$4 8100		
Financial	LOSED SAME		\$117914	2451050	Bort	IFERC	10-1025			34 9100		



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#### DEF Gas Hedging Status CONFIDENTIAL

Physica: Figuresis	Instrument	PACH	Morah	2 ***/	Counterparty	Cartes	Location	balume	(5 Wildel)	PERCEPTATE (FAMBle)	Terrastisten	Attual Projected	Spraged
Emangel	FIXED SWAP		5/1/2014	2489479	CSEL	FERC	entub .			\$4 6100			
Financial	FIXED SWAP		\$/1/2614	2575400	BARS	FERC	HHUB			84 8100			-
Financial	FIXED SWAP		5/1/2014	2622828	BARF	HYMEX	HG			84 7650			
Financial	FIRED EWAP		MI22014	2655320	JPMC#	HYMEX	NG			\$4 7950			
Financial	FIRED GWAD		\$11/2014	2475427	CSEL	HAMOX	NG			34 7030			-
Financial	FUED SWAP		Srt/2014	3477487	BARI	REMAN	NB			\$4 7950			
Financial	FUEN SWAP		5/1/2014	3479679	C\$EL	HYLMEX	HG			84 7950		-	
Financial	FIXED SYAP		5/1/2014	3466223	GARE	HYMEX	NG			\$4 7850			
French	FIXEH GWAP		1472014	34902881	MSCS	MYMEX	NG			34 7950		-	
Financial	FIXED SWAP		\$/1/2014	3463028	BARK	MYMEX	NC			\$4 7950		-	
Februal	FIZED SWAP		\$/1/2014	3580345	BARE	MYNEX	145			\$4 7090			
Financial	FIXED SWAP		3/1/2014	3583812	DEUM	MYMEK	MC			\$4 7050			
Enancel	FIXED SIVAP	7	5/1/2014	3570565	MSCG	NYMEX	NG			14 7950		-	-
Ferencial	FIXED SWAP		\$/1/7014	3522711	CSCL	NYMEX	NG			94 7950			
Ferancial	FIXED SWAP		S/1/2014	3531874	BAH	HYNEX	MG			\$4 7950			
Financial	FILED SWAP		5/1/7014	3138399	BARA	FERC	HHUZ			E4 8100		-	
Fevercos	PIXED SWAP		\$/1/2014	3542561	PAICE	IMERC	HHUB			34 8100		-	
Friends	FIXED SWAP		\$41/2014	3547123	JPMC#	OFERC	HHUS			\$4 6100			
Frencet	FIXED SWAP		S/1/2014	3005294	CITW	NYMEX	NG			34 7950			-
Fineecati	FIZED SWAP		\$/1/2014	26 12979	CSEL	NYMEX	NG			\$4.7850			
Fergential	FIXED SWIMP		M1/2014	3835407	CSEL	IFERG	HANKN			\$4 7200			_
Freeze	FUED EWAP		S/1/2014	3843161	MACON	#FERC	BANKH			\$4 7250		-	
Finencial	FILED SWAP		PIREIT	3564486	JPMCs	IPERG	MARKER			\$4 7790			
Finacopal	FIXED SWAP		SHIPBIA	3667292	JPMC#	IPERC	MARKE			34 7200		-	
Financial	FIRED BYAP		3/1/7014	3683656	CSEL	IFERC	HARRI			\$4 7200		-	
Financial	FIXED SWAP		\$/1/2014	3496822	CSEL	1FERC	MAINLH			34 7290			-
Federal	FIXED SYMP		5/1/2014	3704569	DOSM	IFERC	MARKE			\$4 7200			
Financial	FIRED BYMP		9/1/2010	37=9039	CSEL	FERC	MANUELIN			34 2200			
Fenencial	FIRED EWAP		\$/1,2014	3765062	BAHe	FERC	ASAWALN			34 7200			-
Feteral	FIXED SWAP		\$1,0014	3177505	JPMCII	IFERC	MANASI			\$4 7200			
Financial	FIXED SWAP		\$11/2014	3750650	JPIJCJ	FERG	MARKH			84 7200			
Floresia	FIXED BYMAP		5/1/2014	3705130	DEU#	IFERC	MAUNUN			34 7200			
Financial	FIXED SWAP		8/1/2014	3788133	Citw	IFERC	MARKIN			\$4 7200			
Financial	PIXED SYMP		5/1/2014	3804722	Crita	IFERC	MAINLH			84 7200			
Francial	FIXED SWAP	THE RESERVE AND ADDRESS OF THE PARTY OF THE	\$107014	3809324	BARE	IFERC	MAINLN			\$4 7700			

DEF 2015 | 1ging Audit. Docket # 150001; ACl 7-045-2-1

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fast Pres IFERC Settiervert Beitrau Doct on Actual Profetted Property Publish Magan 2749 Counterparty th Heaped Mistrament. (\$.7/51865) (1 821/61y) H4528 Barks **Financial** \$/1/2014 3848353 CSEL FERC 144 Het 14 \$4 7280 FIXED SWAP French MARKET \$4 7700 JPIACE FERC 5/1/7614 A071972 FURED SYMP \* manasi FERC SALESTON. \$4 7200 5/1/2014 4061617 BOLL FIZED SVMP E in accord E/1/3014 4107877 BOLL **FFRC** SARBANI \$4 7200 FIRED BWAP PERC LEAPELIN \$4 /700 Sr1/2014 4140423 BOUN FERED SYMP Pergerate 84 7300 MANNEN 4170304 MLC FERC FIXED SWAP 9/1/2014 Fendness \$4 7200 FIZED SWAP 9/1/2014 4180032 MIC WERE MARYLN FIRECON 5/1/2014 4276117 CITIE MERC MARRIED DE \$4 7200 FIRED SWAP Femancial S/HZ914 4235129 BOW PERC MASHLPI 54 7200 FLUED SWAP BOU PERC MANAN \$4 7200 4263595 Fergeday FIXED SWAP 5/L/7014 MACDI IFERC MANUA 14 7200 FIXED STYAP \$/1/2014 4264232 ROMA WERC MAINLN \$4,7700 FLIED SWAP \$11/2014 4294959 Francis \$/1/2014 4254160 EOM FERC TRNS24 54 7700 FIXED SWAP Francia 4200058 JPIACA FERG HHUD 34 9100 Financial FIXED EWAP S/W2014 104122 FENC \$4 B100 FRED SWAP \$/1/2014 4271209 MC Permi 5/1/2014 4271925 SCALLE IPER: 247 FLIST \$4,8100 FOXED SWAP Financial 5/1/2014 4273641 MLC FERG 10000 84.8180 FOLED SYVAP Firentle HHUD FIXED EWAP 5/1/7814 4290393 BONA FIRE 14 6100 FINANCIA! 17.667.60e \$1/7014 Teta NG 54 8489 HYMER FUED FINANCIAL OPTION CALL 8/1/7014 3502032 JPMC8 FORETHING! HYMEX NG. \$44110 FOLFO FRIANCIAL OFTION PUT B/L/2014 3502052 PHE Ferences B/1/2014 3513006 NG NG FIXED FINANCIAL OPTION CALL BARE MYMEX 54 6 7 9 7 Festedali B/1/2014 3513606 BARS HYNEX 54 6190 PUT Femosi FIX PET FINANCIAL CIPTION USEG HYMEX NG \$4 8 HDG FIXED FINANCIAL DOTION CALL G172014 3523376 Financial HĢ 6/1/2014 3123378 MECG MYMEX 54 6190 FRED FHANCIAL OPTION Financial. NG 2313851 CREL HYDEX 14 6 190 CALL 0/1/2014 CONFIDENTIAL CHARGO HG NYMEX 54 6 190 FIXED FWANCIAL DIFTION PUT 6/1/7014 3533251 CSEL Ferancial MG B/1/7014 3330942 CITA MYLLEX \$4 6 190 FOR PHANCIAL OFFICE Financial citie HMPDI NG 14 0100 PUT 3536882 COLD FINANCIAL OPTION 0/1/2014 IFERC TRNSZ4 \$4,5700 3551073 BARR FIRED FINANCIAL OPTION CALL 6/L/2014 FIRED PHIANCIAL OFTION PUT B/1/2014 2351073 DARK MERC TAMSZ4 14,5700 f mencal 348 1765 PHOP MERC TRASTA \$4.5700 FRED PHIANCIAL OPTION CALL B/L/2014 Feernal & 1/2014 2581785 JP MCS FERC TRHSZA \$4 5700 FORFD FINANCIAL OFFICAL PUT Francel FERE TRHSZ4 \$4 6700 PAICE FIXED PHEAMCIAL OPTION CALL 641/2014 3554104 è mancari **FERS** PHES TENES Z4 14.5700 Financial FIXED FINANCIAL OPTION 20117 600,0014 2544164 IFERC FIXED FINANCIAL OPTION M1/2014 3506971 CSEL TRHS24 34 \$700 FAMOUN CSEL UERC TPH4574 N1/7014 3500971 \$4.3700 Festivati FIXED FINANCIAL OPTION PLIT MSCG WERC TRHSZ4 34 5700 3601921 Fraccus FIXED FINANCIAL OPTION CALL 6/1/2014 2001021 MSCG IFERC TRIKSZA \$4 \$700 FIXED FINANCIAL OPTION 4/1/2014 Enganal CALL 8/1/2014 3804553 JPMC# FERC TRNS24 \$4 \$200 FIFED FINANCIAL OPTION Francial IFERC FRIED FINANCIAL OPTION PUT W10914 3606133 JPMC# THOMSZA \$4.5700 Françail 6/1/2014 FUCE FIRE TRHEZA \$4 5700 FIXED FINANCIAL OPTION 3023727 f manqual PLICA WERG TRIVSZA 34 5700 6/1/2014 3623727 FORED FINANCIAL OPTION PUT Femanessi MSCG WERC TRAST 4 \$4 5700 FORFO FINANCIAL OPTION CALL 4/1/2014 3838227 Financial PEXED FORMICAL OPTION PUT G/1/2014 3030237 MSCG FERC 189/374 \$4.5700 Februal FIXED I WANCH'L OFTION CALL 0/1/2814 3636235 BANS FERG TRINSZA \$4.5100 Penancual BLRS TERC 1101324 84 5700 3858138 Federali PRIFO FINANCIAL OPTION PUT 6/1/2914 SPLICE UFFRC TRME74 Projectal FIRED FINANCIAL CPTION CALL 6/1/2014 3616440 \$4 5700 FINED FINANCIAL OPTION PUT 6/1/2014 38 10 149 JPMC# #ERC TRM\$24 B4 STOO Forenesti B/ U2014 3738711 CITIE WERC TRHIS/ \$4.5700 FIREO FINANCIAL DETION CALL Emancial WERC TP04524 \$4 3700 Februarit FIXED FINANCIAL DETICH PUT B/1/2014 3718711 CITIE FIXED SWAP 8/1/2014 2120341 JPI/CJ PERC H8 8 (D) 84 6300 Popul DEUP HERITA \$4 6300 FOXED SWAP 8/1/2014 2130433 FERG Financial M1/2014 DELLA LPERC HHAUG 14 8300 FIXED SWAP 2140341 Forest FIXED SWAP 8/1/2014 2185110 CSEL FERC PRILIB 84 6300 Francis FIXED SWAP @W2014 2161014 MLC PERC 10444 J4 6300 Francial MC FERC 144/8 \$4 8300 PIXED SWAP GE 147014 2194107 f martial MLC FERC 101US 34 6300 FIXED SWAP 2209149 Figureal 6/1/2014 FRED SWAP 8/1/2014 2720238 APRICA. PERC 14433 \$4,8300 Financial FORD SWAP 6/1/2014 2244167 MECO FERG HOUSE 94 9300 Ferences FIXED SYMP 6/1/2014 2282178 MECG WERG HHUD 34 \$300 Federal 2287621 IFERC HHLES FIXED SWAP 6/1/2014 CSCL 54 5380 Ensepsi

As of December 21, 2814

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DEF 2015 dging Audit. Docket # 150001; ACT 7-045-2-1

As at Decremen 31, 2014

#### DEF Gas Hadging Status CONFIDENTIAL

Physical Inancial	Instrument	PLECIE	K'erm	ZHer	Counterparty	Maker	Deretina	Vilume	F-sed Pare (1.0%(Usu)	(ERCEntrement)	Dannas Bestich Hedge	Attus, Projected	'h Hedged
Pinned	FORED BHAP		8/1/2014	2372738	BARe	IPERG	HHALI			14 8300	THE RESERVE		
Financial	FRIED SWAP		6/1/2014	7401830	DEUM	WERC	PHUS			\$4 8300			-
Finencial	FOXED STYNP		6/1/2014	2451051	BARE	FERC	HHUB			34 6300			
Futancial	FIXED SYMP		6/1/2614	2489680	CSEL	FERC	HHUB			34 6300			
Financial	FRED STYAF		6/1/2014	2576412	BARE	IPERC	HHUB			94 E300		-	
Paricial	FIXED SWAP	-	6/1/2014	2922229	EARS	MYMEX	HG			\$4 8190		****	
Fetanessi	FIXED SWAP		8/1/2014	2656330	JPMCs	HYMEX	HG			\$4 0190			
Financial	FIXED SWAP		6/1/2014	3475423	C SEL	NYMEX	NG			\$4 6190			
Install	CHILD SYAP		6/1/2014	3477408	BARD	HYMEX	NG			34 6190			
Finances	FIXED BYNAP		0/1/2014	3479629	CSEL	HYMER	NG			\$4 61PB			
Fetancial	FIRED SWAP		8/1/7014	3498884	BARE	NTREE	MG			31 6100			
Thencial	FIXED SWAP		6/1/2014	3130865	MECG	MANEX	MG			\$4 6190			
Financial	FIXED SWAP		Ø1/2014	3493029	BARA	NYMEX	MG			34 6183			
Introd	FIXED SWAP		EU1/2014	3600348	BARS	NYMEX	HG			\$4.0100			
mantsal	FIXED EWA!		D/1/2014	3601013	DEW	KSNANN	FIG.			SA BYES			
marcal	FIXED SWAP		6/1/2014	3520588	MSCG	HYMEX	NG			\$4.6190			
CONTRACT OF	FIXED SYSTE		B/1/2014	3373712	CSEL	HYLEX	NG			34 6190			
rendel	PIXED SWAP		W17914	3931075	EAR	HYMEX	110			34 6 190			
energed	FOED EWAP		8/1/2014	3536402	BARS	IPERC	PHHE			\$4 8300			
ranco	FOED SWAP		W1/7014	3542892	JPMCB	IFERC	EUH!			\$4 6300			
mencel	FDEDEWAP		8/1/2014	2547174	JPMC#	IFERG .	HHUD			84 6300			
espector.	FREDBYAP		0/10/014	3005295	CITIA	NYMEX	NG			54 6190			
Parent	FIXED SWAP		6/1/Q014	3412071	CSEL	NYMEX	NG			\$4 6190			
ana.ncasi	FIXED SWAP		6/1/2014	3635403	CREL	IFERC	BANKN			34 5400			
maneral	FIED SWAP		6/1/2014	3642182	MACQF	IFERC	MAININ			\$4 \$400			
manciel	FIXED SWAP		6/1/2014	3564487	JPLICE	DERC	MARKEN			\$4 \$430			
nancal	FIXED SWAF		6/1/2014	3667253	JPMC#	WERC	MAINLN			54 5400			
enser!	FINED SWAP		4/1/2014	3683581	CSFL	FERC	MATHLE			34 \$600			
istancest	FIXED SWAP		4/1/2014	3606923	CSEL.	FERC	HANAN			\$4 5400		100000	
mercial	FIRED SWAP		W1/2014	3704570	MSCG	WERC	HAUSH			\$4,\$400			
exercial .	FIXED SWAP		W1/2014	3749640	CSEL	MERC	MAPKH			14 5400			
inencial	FIXED SWAP		0/1/2014	3765683	BARA	WERG	MAINLH			34 5400			
eurosi	FEREU SWAP		6/1/2014	3777590	JPIACE	IFERC	MADEN			34 5400			
entropy .	FIXED SWAP		B/1/2014	3790651	JPMC#	IPERC	MARKE			34 5400			
merclef	FIXED SWAP		M10014	3795349	DEUP	IFERC	HAMPER			34 3490			
exercist	FIXED SWAP		Br1/2014	3788134	CITW	IFERC	MAINLN			\$4 \$400			-
PAGENE	FIXED EWAP		\$/1/2014	3894723	CITIV	UTERC	BANKH			H 5400			*************
pronocel	PIXED DWAP		W1/2014	3806325	DARK	IFERC	MARKER			H 5400			
n progr	FIXED SWAP			3849354	CSEL	WERC	MAHAM			81 5400			

Docket No 140001 Ct Winness McCay Limbt No (JM 11) Heograp Dotads (Aug. Dec 2013) 13 of 22

DEF Ges Hedging Status CONFIDENTIAL

Fryngsk Fyngaetal	Rathweest	PATE	Paris	Zerr	COLUMN	E part	Location	Volume	Freed Price (\$2000 Bis)	IFE HC Conference	Seeings Cost an	Actual Projected Burns	Siffergrid
Feential	FIXED SWAP		0/1/2014	4071973	artica	IFERG	MAINLN			\$4 \$400			
Ferancial	FILED SWAP		6/1/7914	4019618	BOM	#1RC	ELIMPLH .			14 5400			
Fauncial	FIXED SWAP		0/1/7014	4107079	pons	FERC	MARKET			\$4.5400			100
Fatancial	FIXED SWAP		6/1/2014	4140424	BOWF	SPERC	MANRH			\$4,5400			
Fanancial	FIED SWAP		B/1/2014	4170585	MLC	MERC	MARKIN			\$4,5400		7 7 7 7	<u> </u>
Financial	FOLED SAMP		8/1/2014	4120033	MC	WERC	MANGH			84.5400		1	
Francial	FIXED SWAP	-	W1/2014	4229119	Citie	RENG	HAMLH			\$4 \$400			
Famori	FIXED SWAP		B1/2014	4735121	BOW	IFERC	MARKN			\$4.5400			
Financial	FIXED SWAP		8/1/2014	4263560	BONA	IFEAC	MANUN			\$4,5400			
Financial	FIRED SWAP		ALC: 14	4264233	MCGs	MERC	HARRH			\$4.5400			and the same of the same
Financial	LINED CAWL		8/1/2014	4264962	BONS	IFTRC	HAHEH			\$4 5400			
Francial	FIXED SWAP	-	94145814	4764161	BOAU	#EAC	THHS24			54 5700			
Firential	FORED SWAP	-	8/1/2014	4760235	JPMC#	IFERC	HAKIB HAKIB			34 E300 34 9360			
f nancar	FINCE SWAP		8/10/014	4771210	REDIAM	IF ENC	19440			64 6 MM			
Parantosi	POED SYMP		6/1/2014	4271820 4273842	MC	IFERC	HHUD			\$1 6300			
Financial	FIXED SWAP		4/1/2014	4290310	Bous	FERC	HINE			\$4 6300		-	-
Financial	FIRED SWAP		\$1/2014 Tet		8044	4 5/10	. 1100					19.554 504	36%
		-	WILLIAM OF THE									11,394 300	36.0
Fenencial	FUED FINANCIAL OPTION	CALL	7/1/2014	3502053	PUCI	HYMEX	HG			\$4,4000			
Factoria	FEETT FINANCIAL OPTION	PUI	7/1/2014	3302053	PHCA	KSHYN	MG			\$4,4005			
Financial	PRIED FIHANCIAL OFTION	CALL	7/1/2014	2513127	BARIS	NYMEX	NG.			\$4 4000			With a service
Financial	FINED FUNANCIAL OPTION	PUT	7/1/2014	3513187	DARI	XSMYN	NG			34 4000			W
Financial	FIXED FINANCIAL OFFICH	CALL	211/2014	3523377	MSCG	PITTMEN	NG			\$4 4000			
Financial	FIRED FINANCIAL OPTION	PUT	7/1/2014	3523377	WSCG	HYLE	NG			\$4 4000			
Famous	FIRED FINANCIAL OPTION	CALL	7/1/2014	3633812	CIEL	HYLLEX	HG			\$4 4000			-
Ferenciel	FIRED FRUNCIAL OFFICH	PUT	7/1/7014	3533852	CREL	HYMCH	NG			34 4000			
Financial	FIRED PRIANCIAL OFTION	LIAS	771/2014	2534443	citie	HYMER	HG			34 4000			-
Fetagosal	FIEED FULL NOISE OFFICE	PUT	7/1/2014	3538483	Citie	NYMEX	HG			14 4000			
Fennesal	PIXED FINANCIAL OFFICH	CALL	7/1/2014	3331074	BARI	IFERC	TRNS24			\$4 4000			
Francial	FIXED FINANCIAL OPTION	PLIT	7/1/2014	3551074	BARI	IFERC	TRHS74			34 4800			-
Protogali	FIXED PHANCIAL OPTION	CALL	711/2014	3501700	JPMCs	IFERC	TRIMSZ4			34 4000			-
Financial	FIXED FINANCIAL OPTION	PUT	7/1/2014	3381788	JPLICA	IFERG	THNS24			\$4 4080			
Fragrand	FIXED FINANCIAL OPTION	CALL	771/2014	2584185	JPMC#	OFERC	TRUSZa			\$1,4000			
Furgressi	FIXED FINANCIAL OPTION	PUT	7/1/7014	3584165	JPMC#	FERC	TRMBZ4			64 4000			
Frenzal	FIXED FINANCIAL OPTION	CALL	7/1/2014	3386577	CSEL	FERC	TRHEZA			\$1,4000			
Financial	FIXED FINANCIAL DIFTION	PUT	3/1/2014	3544917	CSEL	#ERC	TRH324			\$4 4000			
Fatavesi	FIXED PHANEIAL OPTION	CALL	7/1/7014	3801827	MECC	FERG	TRHEZ4			\$4 4000			
Finjacul	FIXED FINANCIAL OFTION	PUT	1/1/2014	3601822	nece	IFERG	TRNS24			\$4 4006			
Financial	FIXED PINANCIAL OFTIGH	CALL	1/1/2614	3630551	JPIJCa	IFERC	TRMSZE			24 4000			
Finantial	FIXED FINANCIAL OPTION	PUT	1/1/2014	3808554	JPMC#	FERC	TRNS24			\$4 4000			
Pinancial	FIXED FINANCIAL OPTION	CALL	T/1/2014	36 23 730	JPMCI	IFERC	TRM9Z4			84 4000			
Finingit	FOED FINANCIAL OFFICE	PUT	7/1/2014	3622720	PLECE	HERG	1300624			14 4000			
Financial	FIXED FINANCIAL OPTION	CALL	7/1/2014	3019279	MSCG	IFERC	TRMSZe			\$4.4000			
Faventral	FORD FINANCIAL OPTION	PUT	7/1/2014	3639779	Waca	PERC	TRHEZ4 TRHEZ4			34 4000		4	
Financial	FRED FRANCIAL OPTION	CALL	7/1/2014	3656831	BARE	FERC				34 4000		3,700-000-000-00-00-0	
Festecial	FIXED FRIANCIAL OPTION	PUT	7/1/2914	3856821	BARA	IFERC	TRINESZ4			\$4 4000			
Financial	FIZED FHUNCIAL OFTION	CALL	7/1/2014	3676450	JPMCs	IFERC	17045.74			84 4000			
Fenencial	FIXED FINANCIAL OFFICH	PUT	7/1/2014	3678450	JPILCS	FERC	TRHSZ4			14 4000			
Financial	FIXED FINANCIAL OPTION	CALL	711/2/014	3738717	City	IFERC UFERC	TRHEEZ4			\$4 m000			
Francial	HIXED FRIANCIAL OFFICH	PUI	77177014	3730712	the second secon					H 4000			
[ vencel	FIDEO SWAP		711/7014	2128543	JPMC# DELW	FERC FERC	Inut			34 4100		-	
Frencial	FIXED SYAP	-	771/2014	7130434		IFERC	HAND			34 4100			
Financial	THED SYMP	-	7/1/7014	2140301	DEUR	The second secon				\$4 4100			
Francis	FIZED SWAP	-	1/1/2014	2102111	CSEL	IFERC	HIND			\$4.4100			
Financial	FIXED GWAP	-	1/1/2014	2181915	M.C.	IFERC IFERC	HHUB			\$4 4100			
Ferancial	PIXED SWAP		1/1/2014		THE PERSON NAMED IN COLUMN 2 I					\$4 4180		-	
Financial	FIXED SYMP		7/1/2014	2209443 7220243	IALC JPMC#	IFERC IFERC	FORUM			\$4.4160 \$4.4160			
Financial	Annual Control of the	-	2/1/2014	2214188	USCG	WERE	14435			The same of the sa			
Fittines)	FIXED SWAP	-	2/1/2014	2262176	MECO	WERC	1450			\$4 4100			
Farancial	FIXED SWAP		7/1/2014 7/1/2014	2717121	CSEL	WERC	HIGH			54 4100			
Financial	FIXED SWAP		7/1/2014	2294924	DENS	REBC	HHUD			\$4 4100		_	
Fluencial	FIXED SWAP		7/1/2014	2304974	JPWC#	FERC	104/0			The second secon			
Financial	LIXED SAMM.	-	7/1/2014	2334875	CSEL	IFERC	FALIS			\$4.4100 \$4.4100			
Financial	FEXED SWAP	-	711/2014	7344419	JPIACA	PERC	10100			34 4100			
Financial	FIXEU SWAP	-		73/2742	BARI	FERC	100/10			14 (100			
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W YORKS ILISANS	PLUED SWAP	FIXED SWAP	FIXED CWAP	FIRED SWAP	FIED SWAP	FIXED SYMP	FIEED STALE	FIXED SYMP	dwks Gas:4	FIXED SYMP	FIXED SWAP	www.dim,	FIED SWAP	dr.MS CORI I	FIRED SWAP	FUILD SWAP	WAYS CENTA	archs D3III4	dwas (COnta	drives Cana	FILED SWAP	FIXED SHOP	POLICY STANP	evaks Dank	daws (73th)	FILED SHAP	FIRED SWAP	FIXED SHAP	UNINE GENIA	FIZED SWAP	FIXED SYMP	FIXED BYAN	PIZED SWAP	FIXED BYAAP	LAMS CARS	FUED SYMP	contractions.	FOCUSANP	COMB CRED	(N/nustant
PERCENT	11172814	PLECTIL.	7/1/2514	1157214	MGDIT	1/1751/1	311/2814	HOZDUL	7/1/2614	3/1/2014	#100012	\$11/2014	PIDEUX	\$100014	9100us	707314	DIGGAL!	771/2014	1102N14	וופלטה	PIOZNIE	7/1/2014	9102016	# אניברות הומברות	3/LZ2016	21175314	711/201	30,75014	0102/1/K	PHECTIC	मार्कान	7/1/2854	HECKLI	HEZDIN	HICOM	Hebru	10/2014	1/10014	D 1 D 2 L 1 L 2	Futzer Harry
Highest Par	254 4071974	PRESENT PL	BRUSCOL PS	3804724	۰	19696 P.U.	110 3180857	1H 2777397	174,000	3748645	110 3734371			3487264	010-2004-010	114 2842163	HOPERE BIG	+	314 3005296	3547125	014 3542493	20,000	554 3831979	514 3523113	310 3520547	914 X5GJB14	2500347	CHECK GIPE PAGE	CHADGET 118	SESSION 714	9CM 245,M36	854 3477488	214 3475428	100,000	252230	DI4 257M13	-	2431052	-	de Zitra
BOUR	PINCA	CSEL	nars	Citra	2713	en30	Parist	PHOS	BURR	135.3	STATE	TEST	CESET	*DPSC#	Jence	MACDA	CHO	CSEL	cmu	Johner	acmer.	BUYE	BARM	CSEL	MSCG	9030	DARIO	BING	m100	BALAB	CSEL	FINE	CSEL	JANCE	BADA	BAND	CSEL	BARAB	DELLIN	Country Art
DEAC	FERC	PERC	363.8	2043.48	SEGR	\$69E	PURC	Q'ERC	#ERC	PERC	PEAC	IF CHC	ØE0C	FEAC	DENC	2000	WERC	KAMEX	Karak	erenc	JEPC.	PERC	NYMEA	Xantah	NUMBER	MANUEX	KENNY	MINES	Kankk	KAMEX	жэмти	MANEX	MACX	HTHUEX	Muex	WERC	PERC	PEAC	IFEAC	174Apt
STATION.	HOLKING	N Bichtm	Materia	Manage	N. Perenti	Month	hribateits	MONTH	WHITE	MAKINT	H-SHIPTE	HTHENT	HOHINTI	HTWATH	MINENSE	MAKAM	Mary	200	ã	DOM	DOM:	Britis	-60	20	ð	8	ā	ā	ā	8	8	ā	78	š	3	STUAN S	CENTE	Brite	Breet	tapen
	THE PERSON NAMED IN		THE CO. LEWIS CO.	THE PERSON NAMED IN		SCHOOL SECTION							Name and Address of the Owner, where			TOTAL PROPERTY.				STATE OF THE PERSON NAMED IN							The second second		NAME OF TAXABLE PARTY.	Name and a		100			CONTRACTOR OF THE PERSON NAMED IN					Value.
																																								Property O
מאו עו	DOCE HE	M 3320	DOEE M	COURT PA	EXS PA	84 3300	ADEC HE	BOKE H	9000 H	BOXE PS	DOCT 115	Datt M	DOCK PL	SOCT IN	DOCE 14	BOXX M	DOLE IN	DOD H	0000 FF	14 4100	84 4100	TH 4 100	14,4000	DO09 PT	34 e000	14 4000	34 4000	24 4200	Condit ref	2000	2000-10	N 4000	34 4000	M +008	800 rt	24 4199	54 4 1 QQ	24 6100	22 4 500	(megan)
Parallel State of the last of	STATE OF THE PERSON NAMED IN	THE REAL PROPERTY.	SAME NOW	THE REAL PROPERTY.			SCHIEDWING		A STATE OF THE PARTY OF THE PAR	100	10 K   10 K	No. of Lot, House, etc., in case, or other party and the case, or other pa	100 S 200 M	Pri Minne	NAME AND ADDRESS OF	STATE STATE OF		STATE	Call Section	STATE OF THE PARTY.		THE PERSON NAMED IN					and a Contract							STATE OF	The state of the s			Street, Street	AL SUCCES	(1 Victory) respective Burns
							An ending typing to design						man adam adam a																										-	Burtis.
					-			1				-			1	m manual							-				-		-				-			Total Color of the later of the				the dard



Thread No. 1-10001-11 P. Whitest Naticity P. Francis No. 20131 P. Francis National States (Nat. 2013) P. Francis (

Physicav Financial	Entrastent	Putcal	Month	Zney	Counterparty	Valuet	Letation	Volume	Fired Pints (\$1000m)	(\$720/B(u)	Barings:Cast on Histogr	ActualProjected Burns	% Hed yea
Frantiel	FRED SWAP		7/1/2/014	4107079	BOM	IFERC	MARKER			34 3300			7
Financial	FRED SVAP	-	7/1/2014	4148425	BOLLE	IFERC	MARM			84 3300			
Fingerial	FIXED EVAP		1/1/2014	4178500	LAC	IFERG	MANNEH			84 3300			
Ferencial	FIRED EWAP		1/1/2014	4180034	MC	IFERG	MARKIN			84 3390			
\$ manque!	FIXED SWAF		7/1/2014	4220121	Citte	WERC	MANUH			21 7300			
Financial	FIELD SYMP		7/1/2014	4235122	BOUL	WERC	SAA IPELEE			\$4 3300			
Finantial	FIXED SWAP	-	7/1/2014	4293507	MICE	PERC	MARKER			34 3320			
Financial	FIXED SYMP		7/1/2014	4294234	MACOR	FERG	LAVEN			\$4.3300			
financial	FIXED EYMP	-	7/1/2014	4264905	BOW	FERC	MARKE			\$4 3300			
Financial	FIXED SYMP	-	7/1/2014	4268162	BGUM	FERC	TRAS24			14 4000			
	FIXED SWAP		7/1/2014	4288840	JPUCJ	WERC	194/8			\$4 4 100			
Faureni	FATED SWAP		7/1/2014	4211211	MLC	WERC	HHUB			\$4.4100			
Finencial	FUICU SWINP	-	1/1/2014	4271927	BOWN	IFERC	19408			\$4,4100			
Ferencial	FIXED SWAP	-	7/1/2014	4273043	NLC	IPERC	19400			\$4.4100			
Fetancial	FEXED SWAP	-	7/1/2014		DOMP	WERC	104/8			\$4 4100			
Federal	Purgit Est-4	_	7/1/2014 Tel									20,874,600	151
		-	171-2010 12	1		1							
	The second second	CALL	B/1/2014	3502054	JPAKEA	PEYSABLE	PKS			33 9530			
Prunctil	FIXED PINANCIAL OPTION		B142014	3502054	JPMES	HYMEX	NG			\$3 11540			
f resear	FIRED FRANCIAL OPTION	FUI		3513408	BAR	POYLEX	NG			\$3 8980			
Financial	PIXED PHANCIAL OFFICH	CALL	BF1/27314	A STATE OF THE PARTY OF THE PAR	BARF	HAPICA	PIC			31 (000			
Financial	FIXED FRANCIAL OPTION	PUT	8/1/2014 241/2014	3513868	U3CO	MANET	NG			23 1000		***************************************	
Feareni	FITTO FINANCIAL OPTION	CALL	P102314		USCO	MYNEX	NG			£3 £000			
Francisi	FIXED FINANCIAL OPTION	PLIT	D1/2014	3923378			NG CM			23 (536)			
Finential	POLED FINANCIAL OPTION	CALL	I/1/2014	2533033	CSEL	кзити	HG			13 1088			
Finered	FIXED FINANCIAL OFTION	PUT	8/1/2014	3173472	CSEL	NYMEX							
Ferential	FIXED FIHANCIAL OPTION	CALL	8/1/2014	3538964	CiTis	HTMEX	NG			\$3 8780			
Financial	FIXED FINANCIAL OFTION	PUT	8/1/7814	3538984	Citie	NYMEX	HG			\$3 8000			
Fetencial	FIXED FINANCIAL DIFTION	CALL	8/1/2014	35318/5	BARI	FERC	TRHSZ4			\$3 (500)			
Financial	FIXED PHANCIAL OPTION	PUT	8/1/2014	2551075	BARI	FEAC	TRUEZA			23 8000			****
Financial	FIXED FINANCIAL OFFICH	CALL	8/1/2014	3581747	SPUCE	FERC	TRHS24			23 8000			
Financial	FIXED FINANCIAL OFFICH	PLIT	8/1/2014	3581787	JPLICE	FERC	TRUESZE			\$3 8000			
Financial	FUED FINANCIAL OFTION	CALL	8/1/2014	3584196	JPMCI	WERC	TRHSZE			\$3,8000			
Feercal	FOLED FINANCIAL OPTION	PUT	W17914	3584196	JPLICE	IFERC	TRNSZA			83 4000			
Federpal	FRED FINANCIAL OPTION	CALL	8/1/2014	3596873	CSEL	FERC	TRHS24			\$3 8000			
Ferencial	FIXED FINANCIAL OFTION	PUT	SJ 1/29 14	1540873	CEEL	WERC	TRNE24			23 800E			
Financial	FORED FINANCIAL OPTION	GALL	\$1/7014	3601E23	MSCG	WERE.	TRHSZA			\$3 8000			
Fearon	FELCE FINANCIAL OPTION	PUI	8/1/2914	3801823	MSCG	WERC	TRIESZ4			\$3 8000			
Financial	FIXED FINANCIAL OPTION	EALL	8/1/2014	360#555	JPMCB	IFERC	TRHS24			13 8000			
Finercial	FIRED FINANCIAL OPTION	PUT	B/1/2014	3002555	JPMCP	SPERC -	TRHSZ4			134000			
Financial	FIRED FHUNCIAL OPTION	CALL	8/1/2014	3025731	JP9CF	SFERC	1704924			\$3,4000			
Financial	FIZED FINANCIAL OPTION	PUT	8/1/2014	3823731	JPMCs	WERC	TRIHSZA			\$3,6000			
	FEED FRANCIAL DETION	CALL	8/1/2914	3039235	MSCG	FERC	189524			\$3,0000			
Francel	FIXED FINANCIAL OPTION	PLIT	W1/2014	30.3 0 7.13	MECO	DREW	TRHSZ4			\$3,0000			
Ferencial		CALL.	M1/3014	3654632	BARI	IPERC	TRICSZA			\$3,8000			
Finercial	FIXED FINANCIAL OPTION	PUT	Br1/2014	3454832	BARe	IFERC	THESE			\$3 8000			
Financial	FIXED FINANCIAL OPTION				PMC#	IFERC	TRMS24			\$3 8000			17 -00-0
Frencial	FIXED FWANCIAL OFTICH	CALL	6/1/2014	3878451			AA						
Frencel	FIXED FRANCIAL OPTION	Pull	W1/2014	3678451	JPMC#	IFERC	TRHGZ4			\$3 8000			
Francel	FIXED FINANCIAL OPTION	CALL	Parisete	3730713	CITIE					\$3,6000			
Francial	FIXED FINANCIAL OFTION	PUT	D1/2814	3736713	citie	WERG	TRNS24			13 9000			
Francial	FIXED SYMP		L/1/2014	2128545	SPINCS	WERC	SMILIB			\$3 8100			( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
Firtancial	FOICH CAMP		8/1/2014	2136437	DEUm	WERC	HHUB			33 8199			
Fetercol	FUED SYOW		D1/2914	2140383	CELIF	PERC	HHILID			\$3 8100			
Francial	LIBED EAVAP		8/1/2014	2105112	CSEL	#FERC	HHUD			87 B100			
Fenancial	FEIED SWAP		8/1/2014	2191916	MUC	UFERC	HALE			\$3 9100			
Fenencial	FIECO SYMP		8/1/2814	2194628	MLC	# ERC	1010			\$3 \$100			
Fruncial	FIRED SYMP	13 8.	B/1/2014	7209444	MLC	FERC	HHUB			\$3 \$100			
Fengnesal	FINED SWAP		12172014	2220244	JPMC#	WERC	1847@			\$2  110E			
Feancial	FIRED SWAP	200	B/1/2014	2244100	MSCG	WERC	HHUD			\$3,0100			CAR COLOR
Fenancial	PIKED SWAP		B1/2014	3,762160	MSCS	#ERC	10-0/6	STORY IN COME		\$3 8100			
Financial	FIXED SYMP		p1/7014	2397629	CSEL	WERC	HHUB			33 8100			
	FIXED GVINP		B1/7014	2291025	DCUP	MERC	teus			£3 £100			
Financial	FIXED SWAP		8/1/2014	2304875	PNES	HEAG	1000			\$3 \$100			
Financial				2334878	CSEL.	IFERG	1940			\$3 \$100			
Financial	FIXED SWAP		&1/2014		JPWC#	WERC	HARIS						
Financial	FIZED SWAP	-	MN3014	2348640			The second second			\$3,0100			
Financial	FRIED SWAP	-	Mrtsc14	7372743	BARE	SFERG	14679			13 1100			
Fauntal	FIXED SWAP		8/1/2014	2487840	DEUM	IFERC	HHUS	The state of		\$3.8100			
Financial	FINED SWAP		B/1/2014	2451053	Dage	RENC	HHZS	San		13 1100			
								C.L 70			107.00	1966	( - C - C - C - C - C - C - C - C - C -



DEF 2015 3 dging Audit. Docket # 150001; AC 5-045-2-1

As of Elecember 31, 7814

# DEF Gas Hedging Status CONFIDENTIAL

Foysical Facousai	Instrument	FACES	Dres	2417	Calatterpaite	El tel	Enest on	¥110-1	Freed Price (1.74Villa)	#ERG Canternate (\$1/4/6te)	Egrings.Cost en Hedge	Activat Projected Curra	* Hesped
Financial	PRIZE SYAP		\$/1/2014	7489882	CIEL	MERC	FREEZE			\$3,8100	A-1-100		
Financial	FINED SWAP		8/1/7014	2579414	BARE	WERG	HILLS			23 £100	THE RESERVE		
Francia	FIRED SWAP		B1(7014	2622011	BARE	NYMEX	NG			\$3,0000			
Financial	FIXED SYIAP		8/1/2014	2955334	JPMC#	HYMER	MG			\$1 (000		12	
Ferencel	PLIED SWAP		6/1/3014	3475430	ESEL	NYMEX	HIZ			\$3 6000			
Entent	FIXED SWAP		6/1/2014	3477410	BARR	NYMEX	MG			E3 600G	THE RESERVE OF		
Firensal	FIXED EWAP		8/1/2014	3479631	CREL	NYMEX	NG			13 8010	October 1		
Financial	FIXED SYMP		A/1/7614	3450000	BARA	NYMEX	HG			\$3.8098	The state of the s		
Control	FIXED SYNAP		8/1/2014	3490984	MSCG	NYMEX	NG			\$3 6000	PERSONAL PROPERTY.		
Financial	FIXED SWAP		8/1/2014	3493031	BARR	HYMEX	NG			83 6080	1 00 0 A		- An-
Feathors	FIXED SYMP		8/1/2014	3500348	BARA	REVEALEX	NG .			13 0040	STATE		
Fittinessi	FIXED SWAP		8/1/2014	3663913	DEUM	NYMEX	NG			\$1 8066			
Entered	FIXED SWAP		8/1/2014	3520568	MSCG	HYLEX	HG			\$3 9000			-
Featrons	CITED SWAP		B/1/7014	3522714	CSEL	HYMEN	NG			\$3 8380			
Francial	FIXED SWAP		8/1/2014	3531877	BAU	NYMEX	NC			33 1060	THE SECURITY		
Francol	FUED SWAP		B/1/2014	3536404	BARE	IFERC	HRRT			23 8100	ESTERIOR S		
Financial	LITED 25MAN		8/1/2014	3542894	JPMCA	UFERC	HHUS			13 8100	No.		
Fernecial	FILED SWAP	1	8/1/2014	3547126	JPMC#	FERS	(PIUB)			13.6100	State of the last		
Ferencial	FIXED SWAP		6/1/2014	3685297	Cilir	NYMEX	MC			\$3.8800			
Enandel	FIXED SWAP		5/1/2014	3512073	CSEL	HYMEX	HG			\$3 8085	MINISTER .		
Enancel	FUED SWAP	1	8/1/2014	3833401	CREL	IFERG	<b>UANUT</b>			£1 7200	DO TO		
Financial	POED SWAP		4/1/2014	3543194	MACCH	IFERC	MAINEH			23 7200	Contract of the Contract of th		1-1-22/2001   12/20
Financial	FOIED SWAP		0/1/2014	3664499	JPUCE	#ERC	MADEN			\$3 7200	THE RESERVE		
Ferencel	FAILED BAIAP		6/1/2914	3667783	SPINCE	IFERG	HAIRIN			\$3 T280			-
Farancial	FIXED SYMLE		9/1/2014	3683563	CSEL	UFERC	MADALN			B3 7200	SEE G		
Financial	FRED SWAP		8/1/2514	3694925	CSEL	IFERC	MARAN			83 7200	1000		
Persection	FIRED SYMP		8/1/2014	3704572	MSCB	IFERC	MARKEN			13 7200			-
Financet	FIXED SWAP		8/1/2014	3749642	CEST	WERC	MARKET			83 7200			tale and order
Fearcial	FIXED SWAP		M1/2014	3743485	BARE	FERC	MAINLY			\$3 7700	THE PERSON NAMED IN		
Financial	FIXED SHMP	1	6/1/2914	3777586	JP18Ce	FERC	MARKEN			\$3.7200			
Feancard	FIXED SWAP	-	B/1/2014	3780633	PLICE	IFERC	MARKEN			\$3 7200			
Financial	FILED SWAP	1	8/1/2014	3766542	bčur	IFERC	MAHEN			\$3 7200			
Fergences	FIXED SWAP		M1/2014	3768136	CITIA	IFERC	HANNEN			13 7700			
Francis	FINED SWAP	1	8/1/2014	3884725	СПН	IFERC	HARRAN			\$3.7200	TO COMPANY		***
Famou	FINED SWAP	1	4/1/2014	3806377	BARE	FERG	MANEN			13 7200			
Fintecal	FIJED SWAP	1	B/1/2014	3849356	CSEL	FERC	MARKEN			\$3.7200	OF THE PARTY		
Fenerget	FIXED SWAP	1 1	8/1/2014	4871875	JPMCA	WERG	MARKH			13 7200	80==00==1		-
Financial	FIRED SWAP	1 1	\$/1/2014	4069670	BOW	IFERC	MAINLH			61 7200	2 0 Head		1 / 1 / V / V / T   T   V / V / V / V / V / V / V / V / V / V
Ferancial	FIXED SWAP	1	M142014	4197630	BCMF	PERC	MANEN			83 7205	2 (P2)H		
Financial	FOICD SWAP	++	8/1/2014	4149425	DOMA	UFERC	LEADERN			11 2200			



Decket No. 140001 EI
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Exhibit No. [JM 11]
Henging Details (Aug. Dec 2013) =
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Docket No. 140001 F/ Witness McClay Exhibit No. (JM-17) Hedging Details (Aun. Dec 2013) 17 cf 27

				-					ficed Price	IFERC Beniement	faders:Cester	Artual Projected	
Physical Financial	Instgament	Pustan	\$1ensh	ZFer	Country	L'arket	Letation	¥alum∎	(1.2/22824)	(1.0/20:5)	1#-dge	B.m.	16 Hedged
Françist	FINCESWAP		0/1/2014	4170587	MEG	FERG	HANGH			13 7200			
Fyronesid	FIED SWAP		9/1/2614	4180035	HLC	SFERC	RAMEN			13 7200			
Felhecod	FIED LYAP	L	0/1/2014	4778129	cun	WERC	HANRY			33 7200 53 7200			
Panantasi	FOLED SWAP		MICONT.	4235123 4293558	BOUM	WERC .	HANNEN			13 7790			
I mancial	FIXED SWAP		611/2014	4264235	MACON	OF ERIC	MARKIN			\$1.7290			
Financial	FIXED SWAP		0/1/2014	4254968	BOW	FERG	MANAN			83 7200			
Financial	FIXED SYMP	<del> </del>	8/1/2014	4254103	BONE	MERC	TRHS24			\$3 9000			
Entroll	FIXED SWAP		6/1/2014	4214141	APLICA	FERC	64:1JB			23.8100			
Financial	FIXED EYMP		8/1/2014	4271212	MLC	FERG	IIIU8			\$3 8100			
Emandel	HINED SAME		B/1/2014	4271028	BOM	WERC	10108			33 8 100			
Financial	FIEED SWAP		8/1/2014	4213048	MLC	FERC	HHUS			\$3 6100			
Financial	FIXED SWAP		MH/2014	4270196	SCIM	FERC	194/0			33 8100			
			8/3/2014 Tel	iai .		<del></del>	<del> </del>					77,077,100	
	THE PARTY OF THE P	CALL	9/1/2014	3902055	SPACE	HUNTER	HG			13 1570			
Francial	FIXED FINANCIAL OPTION	PUT	W1/2014	3307033	JPMC#	NTMEX	NG NG			\$3 9570			Tribute delle sonder i
Francisi	FIRED PHIANCIAL OPTION	CAT	8/1/2014	3513100	BARd	HYLEX	NG			£3 9570			
Francial	FIXED FINANCIAL OFFICE	PUT	W1/2014	3513603	BARK	IMMER	ACO			\$3.9570			
Francisi	PIECE PHANCIAL OPTION	CALL	0/1/2914	3523279	MECO	HYMEN	HG			83 9570			
Finances	FIXED HHANCIAL OPTION	PUT	IV1/2014	2523370	MSCQ	NAMES	NG NG			\$3 9570			
Financial	FIXED FINANCIAL OFFICH	CALL	9/1/2014	3533854	CRET	HYLEX	NG			31 9570			
Ferential	FIXED FINANCIAL OPTION	PUT	9/1/2014	3535854	CSEL	HYMEX	HG			\$3.9570			
Francial	PIKED FINANCIAL OPTION	CALL	9/1/2014	3539815	Citie	MATTER	NG NG			\$1 8576			
Francial	PIXED FINANCIAL OPTION	PUT	9/1/2014	3336445	CITIS EARS	HYLEX	NG TRNSZ4			\$3 8570 \$3 9680			
Financial	FIXED FINANCIAL OPTION	CALL	9/1/7G14 9/1/2014	3551916	BARS	FERC	TRUSZ4			E3 1400		I	
Feneral	PIKED FINANCIAL OPTION	CALL	9/1/2014	3501780	JPMC#	#ERG	TRNSZ4			33 9600			
Financial	FIXED FINANCIAL OPTION	Put	9/1/2014	3581748	JPIJCJI	FERC	TRNSZ4			33 10000			
Francial	FIXED FRANCIAL OPTION	CALL	9/1/2014	3594197	JPUCE	WERC	TRNS24			23 3400			
Cenencial	FIXED FYHANCIAL OPTION	PUT	3/1/2014	3584197	SPMCs	FERC	TRN524			33 9600			
Francial	FEXED FINANCIAL OPTION	CALL	6/1/7014	2500974	CSEL	FERC	TRNSZ4			33 9400			
Finançial	FIXED FINANCIAL OPTION	PUT	9/1/2014	3588974	GSEL	IFERC	TRUSZA			\$3 9600			
Financial	FIXED FINANCIAL OPTION	CALL	9/1/2014	3001824	USCG	FERG	TRHSZ4			23 9600			
Felancial	FLIED FINANCIAL OPTION	PUT	0/1/2014	58-01874	uscc	REDC	TRHISZA			\$3 9600			
Figureral	FREDTHANCIAL OPTION	CALL	1/1/2814	3408550	JFMC#	WERC	TRNSZ4			23 9000			
Financial	FIXED FINANCIAL OPTION	PUT	9/1/2614	3600554	PUCE	FERG	TRNS24			\$3,9600			
Feancial	FIZED FINANCIAL OFTION	CALL	2/1/7314	3623732 3623732	JPMCB	OFERS OFERS	TRINSZ4 TRINSZA			83 9600 33 9600			
Financial	PRED FINANCIAL OPTION	EALL	9/1/2014 6/1/2014	3638738	MECG	IFERC	TRNSZA			83 9600		<b> </b>	
Feancel	FORD FIRANCIAL OPTION	PUT	9/1/2914	3631231	MSCG	IFERC	189(\$2)			\$3,9600			
Petancial	FORED FINANCIAL OPTION	CALL	W1/2814	3636833	BARA	IPERC	TRN\$24			\$3 9600			
3 wancer	FIRED FINANCIAL OPTION	rut	B/1/2014	3454833	BARE	WERE	TRMSZA			E3 9600			-
Feancist	FIXED FINANCIAL OPTION	CALL	013/2014	3878452	JPMC0	WERC	TRHSZ4			£3 9600			
French	FIXED FINANCIAL OPTION	PLIT	W1/2914	3678432	JP4/Ca	WERG	TRHSZ4			33 9900			
Francial	FIRED FINANCIAL OFFICE	CALL	N1/7614	3734714	CITH	FERC	TRMS24			13 8600			
Financial	FIXED FINANCIAL OPTION	PUT	Pr1/2014	3738714	CiTra	IFENC	TRNS24			\$1 9600			***
Lorencies	FIXED SWAP	[	9/1/2014	2120546	Place	IFERC	19400			E3 1900			
Francis	FIXED SYMP		9/1/2014	2130438 2140364	DEIM	FERC.	HUNG			\$3 9900 \$3 9900			
Francial	FIXED SWAP		B/1/2014	2185115	CSEL	WERC	HACID			13 9900			-
Francial	FIXED SYAP		2/1/2014	2181017	IJ C	IFERC	IPAUL			£3 9900			
Francial	FRED SYAP		9/1/2014	2191810	MLC	WERE	HHUE			\$3 9900			
Francist	FIXED SWAP		1/1/2014	2209445	MC	IFERC	DENHIL			\$1 9900			
Francial	FIRED SYMP	1	9/1/2014	2228245	JAMICE.	IFERC	HHUE			\$1 9900			-
Financial	FIXED SYMP		8/1/2014	2244170	MSCG	IFERC	HAD			\$1 9960			
Financial	FIXED SYMP	200	M1/2014	2202181	MSCG	WERC	HORUB			£3 2990			
Ferencel	FIXED EWAR	]	0/1/2014	2287930	CEEL	IFERC	FRIFLIES			\$3 1900			
Finangati	FIRED SWAP		9/1/7914	2290929	DEUs	FERC	14708			£3 \$800			
Fetanosti	FIXED SWAP		9/1/2014	2304878	JPUCA	IFERC	14 (18)			23 P906			
Fehancial	FIXED SWAP		9/1/2014	2334977	CSEL JPMC#	OF ERC	16470			13 M(C)			
Ferencial	FIXED EVENT	**	9/1/2014 9/1/2014	2312144	BARe	WERG	10100			\$3.9900 \$3.9900			
Financial	FIXED SWAP		\$172014	2407841	DCM	IFERC	10 4/6			\$1,9900			
F JRAPICKE	FILED SWAP		Br1/2014	7431G34	BARY	#ERC	19408			13 9900			
Pirametal	FIRED SWAP		B/1/7014	7480d13 }	CSEL	#ERC	194/3			13 1900			
Faranced	FIXED SWAP		9/1/2014	2579415	BAN	FERC	PHUS			\$3 9900			Partition all 10 hours below to an
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			30.010		4644				0.2 (2004)			



Placket No. 140001-EI Viviness McClay
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# DEF Gas Hedging Status CONFIDENTIAL

Physicas Financial	Interest	FacCat	Moeth	2 411	Counterparty	Easet	Letation	Volume	Figure Pilice (\$50MGtag	(FEAC Settlement (Entropiu)	Sange Cost on	Attest Projected Barne	% Hedged
f mangal	FIXED SWAP	$\neg$	B/1/2014	2622932	BARI	MTMEX	NG			83 <b>8570</b>	THE RESERVE OF		
Francial	FIXED EWAP	-	9/1/2014	2656335	JPUCA	HYMER	N3			£1 8570			
I named	FIXED SWAP	-	B/1/2014	3475431	CSEL	NYMER	NG			12 9570			
Fourtail	FOLED EWAP	-	9/1/7014	3477411	BARI	HYSIEX	NG			83 8570			
Francial	FORED SWAP	-	9/1/2014	3179032	ESEL	NYMEX	NG			\$1 9570			
Marie Contract Contra	FIEED SYMP	-	0/1/2014	3498697	BARR	NYMER	NG			11 9570			
Emancial	FIEED SWAP	-	8/1/7014	3490945	MECO	NYLIEX	1403			33 0570			
Financial	FIXED SYM	-	9/1/2014	3493032	BARE	NYMEX	HG			\$3 9570			
Ferencer	FIED SYAP		0/1/2014	3100310	BARS	HOYMER	NG			\$3 9570			
Fearcist	FINED SWAP	-	9/1/2014	3503416	DEUA	HYMEX	HG			83 0578			
Ferancial	FIXED SVAP	-	9/1/2014	3520500	USCG	MYMEX	NO			\$3.9578			
	FIXED SWIF	-	9/1/2014	3522716	CSEL	MAINEX	NG			21 9570			
Financial	FIXED SYMP	-	9/1/2014	3531878	BARA	HYMEX	NG			\$3.9570			
Feanoa	FIRED GVAP	-	811/7814	3536405	BARE	PERC.	198/6			E3 0400			
Feants	FIXED SWAP		B/1/2014	3542995	JPIJCE	IFERC	HHUB			\$3 9905			
Ficencial	FOED SWAP	_	0/1/2014	3547127	PUCE	IFERC	HANG			\$1 9900			
Financial	FILED SVAP		91/2014	3605298	Citta	NYMEX	NG			\$3 9570			
	FILED SWAP	-	8/1/2014	3612074	CSEL	HYMEX	NG			\$3.9570			-
I-mencial	FIXED SWAP	-+	Br3/2014	3635400	GSEL.	FERG	MAINLH			33 9000			
Financial	FILED SWAP	-	W1/2014	3843164	MACON	FERC	MAINEN			\$3,9000			
Financial	HIED SWAP	-	Br 3/2014	306/100	JPMCF	WERE	MARKEN			13 8000		-	
Financial	FIXED SWAP		B/L/2014	3007750	PUCF	WERG	MARKE			\$2,0000			
Finencial	FUED SWAP	-	M1/2014	3083364	CS/R.	MERC	MARKIN			13 8000			
Fnancit	FIXED SWAP	-	B/1/2014	3090929	CLES.	PERG	MANGEN			13 9000			
Francei		-	Br1/2014	3764577	MICG	FERC	MAHAN			13 5000			
Francei	FUED SWAP	-	B/1/2014	37/16/3	CSEL	IFERC	MAINLH			\$3,9000			
Financial	PIXETI SWAP	-		3793666	BARM	WENC	MAINEN			11 9000			-
Finescari	FUED SWAP	-	9/1/2014		Company of the Compan	FERC	MARKIN			83 9900			
Famor	FOTED SWAP	-	WU2014	3777199	PUCA	IFERC	HAIRIN			\$1,0000			
Favoratel	FEXED BYMP		8/1/2914	3789682	JPMCA		MADEN			A COURT OF THE PARTY OF THE PAR			
Foencel	FUED SYAP		WIQ314	3796543	DEUA	IFERC	The second secon			13 9000			
Freedil	FITED SWAP		9/1/2014	3768137	CITIE	IFERC	MARKIN			13.9000			
Festercial	PILED SWAP		9/1/2014	3894729	CITW	IFERC	MAREH			\$3 8000			
Financial	FIXED SWAP		0/E/2014	3800374	Balto	UFERC	MAINLH			\$3 8000			
Feerall	FIXED SWAP		0/1/2014	3849357	CEFF	#ERG	MAHLH			\$3,9000			
Energel	FIX CD SYAP		9/1/2014	4071676	JPMCF	IFERS	MARKE			\$3 BOOD			
Ferental	FITED SWAP		910014	4005421	BOTH	SFERG	HANK			13 1000			
Financial	PIXED EYAP		P1/2014	4107007	BOMB	REBC	MANUAL			83 9000			
Frencel	FOIED SWAP		9/1/2014	4140427	BOME	IFERG	MAINEN			13 8000			
Forecast	FOLED SYMP		9/1/2014	4176581	MLC	DERC	HAND			\$3 8000			
I managed	FUZCO SYVAP		9/1/2014	4129036	MC	IFERC	LIANAN			\$3 8000		ALL DEBUT	



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# OEF Gas Hedging Status CONFIDENTIAL

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Prysicall	Bostowniet	Patrora	Marth	ZF+2	Courtespany	Tlaket	Location	ly attamy	Freed Price (\$ 1555Bits)	FFRC tablement (\$1928))	Besings/Easten Hidge	Attual Projected % Medged
Financial	PIZED SWAP		\$HZ214	4729177	CITIE	#FERC	MAINLH			\$3 9000	,.	
Financial	FIZED SWAP	-	8/1/2014	4235124	6044	IFERC	MAIRDA			\$1 8000		District Control of the Control of t
E proncisi	FIXED SWAP		917014	4263599	SCHM	WEAC	MAIREN			£1 9000		
Financial	FIXED SWAP		8/1/2014	4284238	MACQe	#ERC	MANNEN			\$3.9000		
Hannest f	FIXED SWAP		9/1/2014	4204988	80/48	IF世界に	LAHRU			\$1 9000		
Feencasi	FIXED SWAP		9/1/2014	4768164	BOWE	IFERC	FFMSZ4			CC98 E2		
Frencial	FIXED SWAP		BH12014	4343143	JPMC#	WERC	FBFUB			\$3 8900		
Figurents	FIXED SWAP		9/3/2014 9/1/2014	4771213	MLC	FERC	HAND			\$3 BraDD		
f graphers.	FIXED SWAP		BH/2014	4273043	Nr.C	IFERG	144/8			\$3 999G		
Francis	POPO SWAP		B10014	4290399	BONE	IFEAC	IRIUB			11 9900		
			W1/2014 Tel									17,533,160 431
Francel	FIXED FINANCIAL OPTION	CALL	10/1/2014	3307036	JPNICS	HYMELE	HC			3) 9840		
Francial	FIXED FHANCIAL OPTION	PUT	10/1/2014	3582054	JPUCS.	HYLEX	DH			81 9340		
Financial	FIXED FINANCIAL OPTION	CALL	10/1/2014	3513810	BARs	NYMEX	HG NG			31 9340 31 9340		
Financial	PIXED FRANCIAL OPTION	PUT	10/1/3014	2513910	BARI	MANEX	NO			53 9940		
['mencrel	FREED PHANESAL OFFICH	CALL	\$0/1/2014	2123380 3531380	MSCG MSCG	MANEX	NO			\$1 P\$40		The second state of the se
4 inspecial	FRED FRIANCIAL OPTION FRED FRIANCIAL OPTION	CALL	10/1/2014	1333455	CSEL	HYMEX	NG			\$3 8640		
Financial	FINED FRANCIAL OPTION	PUT	10/1/2614	3533655	CSEL	HYPEX	HG			\$3 6648		
Ferencial	FEETS FEMANCIAL OFFICE	CALL	10/1/2014	3538888	CITA	HYMEX	NG			33.5840		
Francial	FIXED FAUNCIAL OFTION	PUT	13/1/2614	3538888	CITU	MYMEX	NG			22 0110		
Finencial	FIXED FINANCIAL DETION	CALL	10:1/2014	3551077	BARI	FERG	TRHEZA			\$3 9700		
Financial	PIXED FINANCIAL OFTION	PUT	10/1/2014	2551077	SARJ	IFERC	TRNS24			\$3 9700		
Fargeort	FIRED F HAHCIAL CPTION	CALL	10/1/2014	3541799	JPLICI	FERC	TRNEZ4			\$3 W FOO		
Fesential	FORED FINANCIAL CPTION	PUT	10/1/2014	3361790	JPNJCJ	WERC	TRN\$24			\$3 9700		
F yn prichal	FIXED FIHANCIAL OPTION	CALL	10/1/2014	3584100	JPSE	FERC	TRH524 189824			\$3 9780		
Francial	THEO FINANCIAL OF HOR	PVI	10/1/2014	3584110	JPMC# CSEL	WERC .	17thch24			£3 9700 £3 9700		
Financial	FRED FRANCIAL CPTION	PUT	18/1/2014	2584975	CSET.	WERC	TRM324			\$3 9700		
Feasince	FORED FINANCIAL OFTION	CALL	10/1/2014	363/525	HSCG	WERC	TRHSZI			\$3 9700		
Fergricial Fergricial	FRED FRANCISE OF HON	PUT	10/1/2014	3601425	MSCG	WERG	1F9/324			83.9100		
mantali	FIZED FINANCIAL OPTION	EALL	10/1/2014	3601557	JPNCS	MENC	TPMSZ4			33 6700		
Feedbook	FIXED FRIANCIAL OFFICH	PUT	10/1/2014	3401537	JPMC#	WERC	TRMS24			\$3 8700		
Fearcial	FIXED PHONICIAL OPTION	CALL	10/1/2014	3823733	JPMC#	#ERC	17014324			\$3,9700		
French	FIXED FHANCIAL OPTION	PUT	191/2014	2622733	JPM CA	of ERC	TPMS24			\$3 8760		
Finatoal	FIXED PHANCIAL OPTION	CALL	10/L/2014	3539233	MSCG	WERC	TRMS24			\$3 9700		
Financial	FIXED FINANCIAL OPTION	PUT	10/1/2014	3438339	MSCG	FERC	1188524			\$3 B700		
Francial	FIXED FINANCIAL OPTION	CALL	18/1/2014	3656434	BARS	#ERG	1784524 1784524			\$3 9700 \$3 9700		
Frencial	FIRED PINANCIAL OPTION	PUT	19/1/2014 18/1/2014	3658834 3676433	SANCE	SFERC	1704524 1704524			23 9700		
Financial	FIXED FINANCIAL OPTION FIXED FINANCIAL OPTION	PUT	10/1/2014	3678453	PME	FERC	TITHE 74			\$3 1700		
Financial	FIXED FINANCIAL OPTION	CALL	13/1/2014	3770772	Citie	FERC	TPHS24			13 9790		
F-mareced	FIXED FINANCIAL OPTION	PUT	10/1/2014	3730733	CITIE	WERC	ETRIMELE 4			13 9790		
Financial	FUED SWAP		10/1/2014	2128547	JPMCs	SFERC	BUNG			34 0488		
Fenanças1	FIXED SYMP		10/1/2614	2130439	Maca	MENC	BUyer			\$4 0400		
Feeneral	FIXED SYMP		15/10/014	71/9385	MSCG	FERC	HANTE			\$4 0400		
Francial	FIXED SWAP		10/15011	2165114	CSEI,	IFERC	FRICE SUBS			\$4 0400 \$4 0400		
Enercial	FIXED SWAP		10/1/2011	2134811	MLC	#ERC	Helia			\$4 0400		
Filtercol	FIXED SWAP		10/1/2014	2229446	MLC	#ERC	199,10			\$4 0400		and the state of t
Fenancial	FIXED SWAP		10/1/2014	7225748	PMCA	FERC	Dutet			\$4 0400		
Financial	FIXED SVMP		16/1/2014	2240171	MSCG	PERC	HHUD			\$4.6400		
Feancial	FOCED SYMP		10/1/2014	2767162	MSCG	SERC	HHUB			\$4 6400		
Financial	FIXED SWAP		10/1/2014	2767831	CSEL	FERC	FIHUB			\$4 6400		
Financial	FIXED SWEP		1017/014	2294927	usca	SPERC	10100			\$4 8400		
Feencel	LOUIS DAMED		18/1/2014	2301877	PULO	IFERC	HALID			\$1,9400		
Farancial	FULL SWAP		10/1/2014	2334876	CSEL	#ERC	10 (42)			\$4 9400		
- Crorrelal	PIXED SWAP		10/1/2014	2316642	.PMC#	IFERC	(end)			\$4 8400 \$4 \$400		
Francial	FIXED SWAP		10/1/2014	2372749 2497842	MSCG	IFERC	HHUD			34 9400		
Francet Francet	FIXED SWAP		10/1/7014	2451055	DARE	UFERC	19400			84 8400		
F transpi	FIXED SYAP		10/1/2014	7489684	CSEL	FERC I	IA-UB			34 D400		
Francist	PIXED SWAP		19/1/2014	2579414	BARS	IFERC	14fUB			\$4 8400		
Francial	FIXED SWAP		10/1/2814	2627633	BARI	NYMEX	HG			81 9840		
Ferencial	FIRED SWAP		10/1/2914	2055330	JPNCI	HYNEX	HG			13 9640		



As at 1 December 31, 2018

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Physical Financial	Estiment	PatCall	Clanth	ZYeş	Countriparty	Warkel	LEIMIER	Valume	Fire#Pace (\$50000)	FERG Services; (ERT(S))	Sevings:Castion Hedge	Attual Projected Burns	% Hedged
Ferencel	FOICO EWAP		10/1/2014	5475432	CBEL	NAMEX	HG			\$1,9940			
Ferendali	FIELD SWAP		10/17/014	3477412	BARI	NYMEX	HG			\$1 8846			
Fundacial	FIXED SWAP		10/1/2014	3479033	CHEL	MANGK	NG			23 89 65			
Feneral	FIZED SWAP		10/1/2014	3199893	日本計画	HAMEX	HO			\$3 9440			
Fenencial	FORD SYLAP		10/1/2914	3490988	MSCG	HYMEX	NG			37 9948			
Federate	FIFED SWAP		1D/1/2014	3493033	BARR	HYMEX	NG			23 9849			
Figureaul	FIXED SWAD		10/1/7014	3500358	DARIF	HAMEX	HG			\$3 9849			
Feermal	PIXED SWAP		10/1/7014	3503817	MSGG	MAMEX	NG			\$3 9840			
Finance	FIXED SWAP	-	10/1/7614	3520578	MSCO	HYMEX	NI)			\$3 0010			
Ferrinal	PELEO EWAP		10/1/2014	3832710	CSEL	NYMEX	MG			\$3,9840			
Fenencial	FIXED SYMP	7	10:1/2014	3531879	BARA	HYMEX	HG			\$3.8640			
Feuncial	FIXED SWAP		10/1/2014	3005719	C2718	HYMER	NG			53 9640			
Correcti	FDIED SWAP	-	10/1/2014	2112975	CSEL.	HYLMER	AG			\$3 8440			
Comment	FOIED SWAP		10/1/7014	3833407	CSEL	IPERG	MARKET			\$3 8700			
Financial	FRIED SWAFF	-11	10/1/2014	3943165	MACON	MERC	BIAINLH			23 6366			
Financial	FIXED SHAP	1	10/1/2014	3684191	PMCs	FERC	MAINEN			\$3.9300			
Emanciet	FRIED SWAP		1010014	3887267	Thrics	PERG	MAINEN			23 9300			
Fenencial	FISED BYKAP		10/10/014	3883585	CHEL	FERC	HABEN			13 9300			
Feareist	FIXED SWAP	7	10/1/2014	3496927	CSEL	FERG	LÉALÍR 10			33 9300			
Ferancial	FIXED SWAP		10/1/2014	3704578	WSCO	PERC	MANA			\$3 6300			
Ferancial	PIKED SWAP	1	10/1/7014	3789844	CStl	FERC	MAIMUN			22 9300			
Fearest	FIXED SWAP		10/1/2014	3785487	BARR	FERC	LLANALM			53 9300			
Fetermal	FIXED SWAP	1	19/1/2014	3117900	JP LICE	FERC	MAMEN			\$3 9300			
Figancial	FIXED SYMP	1	16/1/2014	3780683	JPMC#	IF ERC	MADEN			83 8300			
I-mancal	FIXED SWAP	1	18/1/2514	3788544	LLSEG	FERC	MARKEN			22 6300			-

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As of Becomber 31, 3614

DEF Gas Hedging Status CONFIDENTIAL Docket No 140001 E: 6 1 140001

Physical fenancial	Instrument	PACH	- Hawh	Ettey	Countergame	Finet	Lacation	Valume	Fried Price (# MVBIL)	SEASServerent (\$3000cm)	Saurge Conten Design	Actual Projected Burns	N Persent
Frantsil	FIXED SHAP		10/1/2014	3784138	CITIV	WERC	MANNEH			\$2.8300	12 14 200		
Fermicial	FILED SWAP		10/12/014	3864121	CITIE	WENC	MAINLH			£3 £300			
Financial	PDIED SWAP		18/1/2014	3006329	DAR	IFERC	RIAPILIN			\$3 9300			
P manicial	FIXED SWAP		10/1/2014	3848358	CREL	FERC	MANRH			L1 9300			
Emançai	FIXED SWAP		10/1/2014	4071977	JPNC)	FERC	MAINLH			\$1 9300			
Enamoid	FIXED SWAP		10/1/2014	4009022	BONTS	WERC	MARRIN			33 9300			11000
l'inanceri	LEED BAND		10/1/2014	4197088	DOM	IFERG	MARKIN			\$2 8308			
Fearcial	FIXED SWAP		10/1/2014	4140428	8/30/4	WEAC	MAINLH			23 9300			
Ferencial	FIXED SWAP		10/1/2014	4179509	MLC	IF ERC	MAINLH			\$1 9380			
Feuncial	FIXED SWAP	-	98/9/ZB14	4140007	IAC	IFERC	MARKER			35 9300			10.1072
Ferancial	FIXED BWAP		10/1/2014	4276136	Citie	FERC	MAINLN			\$1 9100			
Financial	FIXED SWAP		10/8/2014	4235125	SCIM	WERC	MARKEN			23 9300			
Federial	FIXED SWAP		18/1/2014	4263400	BOM	WERC	Marh			13 8360			
Financial	FIXED BWAP	-	18/1/2014	4284237	MACQ#	SR3W	MAINLN			\$1.9300			
Fangestate	FORED SWAP		10/U3014	4284970	BOME	PERC	SAMILH			E3 9300			
Financial	FIXED BWAP	_	10/1/2014		goes.	WERC	1904524			\$3 1700			
		-	10/1/2014 To	1681		_						18,316 980	11%
	FIRED FRANCIAL OPTION	EALL	11/1/2014	2513011	BANK	HYMEX	NG			23 7240			
Financial	FUED FWANCIAL OPTION	PUI	16/1/2014	3513211	BARI	HYMEX	PIG .			13 7710			
Financial	FIXED FINANCIAL OFTICH	CALL	1971/2014	3523381	MSCG	MYNEX	HG			\$1 7200			-
Françai	FIXED FWANCIAL OF FICH	PUI	11/1/2014	1523341	USEG	MYMEX	963			\$3 7290			
Financial	FIXED FWANCIAL OFTION	CALL	11/1/2014	1113859	CSEL	NYMEX	HG			33 7260			
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	1533050	CSFL	XSWYM	HG			33 7259			
Ferancial	FIXED FINANCIAL OPTION	CALL	11/1/2014	1539007	CITIO	ANNEX	HG			33 7200		-	
Financial	FOLD FWANCIAL OPTION	PUT	11/1/2014	3536687	cina	MYNEX	HG			\$3 7280		-	-
Fenencial	FOLED PHANCIAL DETION	CALL	11/1/2014	3551070	SARA	IFERC	1904524			\$1 7000			
Financial	FORED F NAME IN CIPTION	PVI	11/1/2014	3531678	BAR#	IFERC	TRMS24			13 7000			-
Francei	FORE FINANCIAL OFTION	CALL	11/1/2014	3501710	JPMCs	IFERC	TRESZ4			13 7000			
Financial	FINED PHIANCIAL OPTION	PUT	11/1/2014	2581790	JPMCS	IPERC	TRNCZA			33 7000			
Financial	FIXED FINANCIAL OFTION	CALL	11/1/2014	2584199	JPIACE	IFERC	TRNSZI			\$3,7000			-
Financel	FIXED FINANCIAL OPTION	PUT	11/1/2014	3544199	JPINCS	IFERC	1FH6Z4			\$3,7900			
Frespil	FIZED FINANCIAL OPTION	CALL	11/1/2014	3500976	C\$EL	FERC	TRNS24			\$1 7000			
Françai	FIXED FINANCIAL OPTION	PUT	11/1/2014	3500976	CIEL	IPERC	TRNSZA			\$1 7000			
Fernancial	FIXED FINANCIAL OPTION	CALL	21/1/2014	3801526	MSCG	WERC	TRIMEL74			\$1 7000			
Firential	FIXED FWANCIAL OPTION	PUT	11/1/2016	3001025	MECG	WERC	TRHS24			\$3 7000			
l'Inpecial	FIXED FRIANCIAL OPTION	CALL	11/1/2014	3009358	PHO	WERC	TPMEZ4			11.7600			-
Prospel	FIXED FINANCIAL OPTION	PUT	11/1/2014	3600558	JPLICE	IFERC	FRNSZ4			\$1 7000			
[ maneual	FIXED FINANCIAL OPTION	CATT	11/1/3014	3623724	JPMC#	IFERC	THNSZ4			\$3 7000			
Energe	FIXED FINANCIAL OPTION	TUT	11/1/2014	3023734	JPMCs	WERC	TRNSZA			\$3 7000			
Financial:	FIXED FMAHCIAL OPTION	CALL	11/1/2014	3638740	MSCG	WERG	TRNS24			\$1 7000			
Empacual	FIXED FINANCIAL OF FION	PUT	11/1/2014	3639240	MSGG	IFERC	TRNS24			13 1000			
Financial	FINED FHANCIAL OFTION		11/1/2014	3056435	BARR	FERC	1RNSZ4			\$3 7000			
Financial	FIXED PINANCIAL OPTION		11/7014	3058335	DARLO	FERC	TRHS24			33 7000			
Financial	FRED FEMALCIAL OPTION		1 NT/3014	3078454	JPMC#	FERC	TRNS24			\$3 7000			-
Fetencial	FIXED FINANCIAL OPTION		1MU2014	3678454	JPMC#	IFERG	TRINS24			\$3.7000			
Financial	FIXED FINANCIAL OPTION		11/1/2014	3738724	Cilin	PERC	TIMEZ4			83 7900			
Financial	FIRED FURNCIAL OPTION		11/1/2014	3734774	CITH	IPERG	TRMS24			13 7000			
Finencial	FIXED SYVAP		11/1/2014	7709447	DUE	IFERC	HHUB			31 7700			
Fetandal	FIXED SWAP		11/1/2014	2244172	MSCG	FERC	I PRESI			23 7700			VI - 115-115-115-115-115-115-115-115-115-1
Financial	FIXED SWAP		11/1/2014	2792183	MSCG	FERC	HHUO			\$1 7700			
Finmasi	FIKED SWAP		11/1/2014	2340843	JPUCI	IFERC .	10100			83 7700		0.000	
Francis	FIRED SVAP		11/1/2016	7372750	BARE	IFERC	HHILIG			83 77 <b>9</b> 0			
Financial	FIXED SMAP		11/1/2014	3345727	BARI	HAMEX	HG			\$3 7200			
Financial	FIXED EWAP		11/1/2014	3874175	CITIE	NAMEX	NG			33 7290			
Financial	FIXED SAMP		11/1/2014	3634587	MACQU	HAMEX	NG.			\$1 7780			
Fattentulf	FIXED SWAP		11/1/2014	3844508	BARR	NYMEX	NG			\$3.7280			
Financial	FIXED SWAP		11/1/7014	3093921	LISCG	HYMEX	HG			\$3.7260			
Feancar	FILED SWAP		11/1/2014	3745550	JPIJC0	IFERE	TRHE24			8.3 70006			
Penancial	FORED SWAP		11/1/2014	3765625	MACGE	IFERC	1789574			\$1 food		16.5	
Financial	FOXED SWAP		191/2014	3717581	BARA	IFERC	MAURI			\$3,9400			
Prendat	FRZED SWAP		11/1/2014	380-1693	DARA	PERC	HAMAM			\$3 6400			



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DEF Gas Hadging Status CONFIDENTIAL Docket No. 140001-E1
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FAMORIAN	Physical	lostrament	Post T. HI	Lianth.	ZHey	Cauctreputy	thacket	Location	Value	FIRE FIRE		Baskings Cost on		Streaged
Factor   Freed	Farancial	) I i a al lamar d ) 4								(\$7550Btu)	(\$ tablese)	Hedie	Qurns .	41,424,7
February   France	Finencial	FIXED SWAD	1	11/1/2014	3605941	CITIE							737	100000000000000000000000000000000000000
Fancist	Feancial	FIXED SWAP		11/1/2014	3810102	CITY					\$3 8405			
February   TRICO DAMP		FIXED SWAP		11/1/2014	3821306	PHCS	IFERC				\$3 6400			
Francist	Financial	FIXED SWAP		11/1/2014	3845910	PNCA	UFERC	RAMPLH			\$3.6400			
Femals		FIXED EWAP		11/1/2014	3455260	MSGG	#ERC	MANUA			E3 8400			
Formula	Finencial	FIXED SWAP	1	11/1/7014	3680032	CSEL	神を呼ば				\$3 5400			
Foreign			1	11/1/2014	3688999	JPMC#	HERG	ELANGH			\$3 6409			
Francisco		The state of the s		11/1/2014	3895791	BAR	PEAG	HANNEH			33 0400		***************************************	
Foreign   File Days			<del> </del> -			MACOS	IFERG	BIANEN			83 6400			
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Friend			d					MAINN						
Februal   Feb Davie   1117/2014   2011/2			+											
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FRECO BYNN			<del> </del> -											
Final   Field SMAP   197294			<del>                                     </del>								The state of the s			
FreeDig   FreeD SWAP			}											
February   Field SWAP   11/1/2014   265429   80.00   Field   11/1/2014   265424   79/1/20   79/1/														
Financial   FireD SWAP			<del> </del>											
Femals			<del>                                     </del>											
Franciscol   FRED SYMP	the special party of the last		ļ											
Familiar   FREG SWAP   117/2014   544/94   Mac   FREG   144/9   137/00   Familiar   FREG SWAP   117/2014   545/314   BOA4   FREG   144/9   137/00   Familiar   FREG SWAP   117/2014   545/314   BOA4   FREG   144/9   137/00   FREG   144/9			<del> </del>											
Finding														
FINED SYMP			L											
Francist	Financial													
Final	Feneralist	FIXED BWAP												
FINDED STAPE   11/1/2014   14/1/2014   1	Financial		·											
Foundable	Financial	FIRED SWAF		11/1/2914										
Paper	Ferancial	FIXED SWAP												
Prancial	Finantisk	FIXED EWAP		11/1/2014	4583768	MLC	NYMEX	NG			13 7250			
Francial   Francial Option   Full   127/2014   227/2017   Bardays Bank B.   MYMEX NO.LIO   Henry No				11/1/2014 To	mt.ini								15,472,500	61%
Francial   Francial Option   Full   127/2014   227/2017   Bardays Bank B.   MYMEX NO.LIO   Henry No							· · · · · · · · · · · · · · · · · · ·							
FreeCold   FreeCold Option   Full   12/12/04   22/18/27   Bardays Bank B.   Margan Starker E.   MYMEX KOLLIO   Henry Hub.   14.2320	Financial	Ferencial Option	Cat	12/1/2014	3226837	Burcheys Bank E	HYMEX NO LID	Henry Hate			\$4.2820			
Francial   Francial Green   Pol   12/1/2014   3228134   Mergan Sharbey E   NYMEX HOLTO   Heavy Nob   4/2820     Francial   Francial Green   Pol   12/1/2014   322801   Centil Board Fe   MYMEX HOLTO   Heavy Nob   4/2820     Francial   Francial Green   Pol   12/1/2014   322801   Centil Board Fell   NYMEX HOLTO   Heavy Nob   4/2820     Francial   Francial Green   Celti   12/1/2014   322801   Centil Board Fell   NYMEX HOLTO   Heavy Nob   4/2820     Francial   Francial Green   Celti   12/1/2014   322801   Centil Board Fell   Heavy Nob   4/2820     Francial   Francial Green   Celti   12/1/2014   322801   Centil Board Fell   Heavy Nob   4/2820     Francial   Francial Green   Celti   12/1/2014   322801   Centil Board Fell   Heavy Nob   4/2820     Francial   Francial Green   Celti   12/1/2014   322801   Centil Board Fell   Heavy Nob   4/2820     Francial   Francial Green   Celti   12/1/2014   322802   Bartary Rank E   Francial Green   4/2820     Francial   Francial Green   Francial Gre		Fingressi Option	Put	1271/2014	3220437	Carcleys Seet E.	HYMEX NG LID	Henry Hub			\$4.2820			
Francial   Francial Cytion   Pris   1271/2014   3229847   Cycle Sustein February   Francial Cytion   Prisonal Cytion		Financial Colors	C=	12/1/2014	3276836	Mergan Startey E	NYMEX HG L10	Henry Hub			\$4,2820			
Francial   Francial Options			Pol	12/1/2014	3226838	Margan Startey E	NYMEX NO LIO				\$4.2920			
Francist		Financial Option	Call	12/1/2014	3279841	Crest Sugar feld	NYMER NG LIO	Henry Hub			54 2929			
Francis   Francis Cylinin   Cult   12/12/014   322/032   Cayring Energy E   Mris Ex Ard LiD   Henry Nub   5-2/20   Francis Cylinin   Cult   12/12/014   322/032   Cayring Energy E   Mris Ex Ard LiD   Henry Nub   3-1/20   Francis Francis Cylinin   Cult   12/12/014   322/032   Cayring Energy E   Mris Ex Ard LiD   Henry Nub   3-1/20   Francis Francis Cylinin   Cult   12/12/014   322/032   Sentleys Bank E   File C   Transic Cylinin   Transic Cylinin   Cult   12/12/014   322/032   Mris Cylinin   File Cylinin   Cult   12/12/014   322/032   Mris Cylinin   Cylinin   Cylinin   Cult   12/12/014   322/032   Mris Cylinin   Cyli			Pvi	12/1/2014	3226841	Crede Susse Infl	HYMEX NG LID	Henry Huts						
Francist Francist Option Call 12/1/2014 32/0832 Chyring Energy E MYNEX NO LID Heavy Mon 54 2820 Francist Francist Colores Call 12/1/2014 32/0833 Bartarys Bank E WERC Transca Care 4 34 3000 Francist Francist Option PM 12/1/2014 32/0843 Bartarys Bank E WERC Transca Care 4 34 3000 Francist Francist Option Call 12/1/2014 32/0843 Jirotarys Bank E WERC Transca Care 4 34 3000 Francist Francist Option Call 12/1/2014 32/0802 Jirotarys Bank E WERC Transca Care 4 34 3000 Francist Francist Option Call 12/1/2014 32/0802 Jirotarys Bank E WERC Transca Care 4 34 3000 Francist Francist Option Call 12/1/2014 32/0821 Jirotarys Bank E WERC Transca Care 4 34 3000 Francist Francist Option Call 12/1/2014 32/0821 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option PM 12/1/2014 32/0831 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option PM 12/1/2014 32/0831 Bartarys E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 Bartarys E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 Bartarys E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 Bartarys E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 Bartarys E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 Bartarys E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/0831 PM/page/Chase Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/21/14 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/21/14 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/21/14 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/21/14 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 12/1/2014 32/21/14 Jirotarys Bank E WERC Transca Care 6 34 3000 Francist Francist Option Call 1							HTMEX NG LID							
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Privated   Privated Cylinia   Call   12/1/2014   3278/821   JPN/arginichas Bank   FERC   Trimina Zimi 4   1   1   1   1   1   1   1   1   1														-
Francist														
Founcial   Founcial Option   Call   12/17/014   3229834   Cred Builds Ind   FERG   Triming Zame 4   \$4,3000   \$4,3														
Filancial   Filancial Option   Full   12/1/2914   3225834   Grode Builde Ind   FERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Gel   12/1/2914   3225848   Mergin Risering E   WERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3278951   JPhiripan Crisis Date E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3278951   JPhiripan Crisis Date E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3278951   JPhiripan Crisis Date E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3278951   JPhiripan Crisis Date E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3271744   JPhiripan Crisis Date E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272746   Mergin Statey E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272746   Mergin Statey E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272746   Mergin Statey E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272746   Mergin Statey E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272730   Bertstry Bank E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272731   Bertstry Bank E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272731   JPhiripan Crisis Bank E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272731   JPhiripan Crisis Bank E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272731   JPhiripan Crisis Bank E   IPERG   Transco Zone 4   14/3000     Filancial   Filancial Option   Call   12/1/2914   3272731   JPhiripan Crisis Bank E   IPERG   Transco Zone 4   14/3000     Filancial   Filan														
Financial   Financial Option   Col.   12/1/2014   3225048   Morgan Stanley E   WERC   Yearnes Zimo 4   \$4.3000     Financial   Financial Option   Put   12/1/2014   32/2518   Morgan Stanley E   SERG   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   3/1/2014   32/2518   Morgan Stanley E   SERG   Transco Zimo 4   \$4.3000     Financial   Financial Option   Put   12/1/2014   32/2015   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   32/2014   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Put   3/1/1/2014   3/1/2014   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2014   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2014   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2014   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2014   3/1/2014   Morgan Stanley E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2014   3/1/2017   Bartiley Bank E   FERC   Transco Zimo 4   \$4.3000     Financial   Financial Option   Col.   12/1/2014   3/1/2014   3/1/														
Francist   Francist Option   Put   12/1/2014   32/2015   Margas Breder E   SERC   Transco Zone 4   54 3000														
Founcial   Financial Option   Ca8   32/1/2014   327/2051   JPAIntganCosts Dank E   ITERC   Transcal Zone 4   34 3000     Financial   Financial Option   Option   Option   Available   Available   Available   Option   Option   Option   Available   Available   Available   Option   Option   Option   Option   Available   Available   Available   Option   Op								Married Townson, San Street, S						10.000.00
Function   Function Option   Put   12/1/2014   32/2014	Financial													
Founcial   Founcial Option   Call   25/2714   322724   JPMangin/Chase Bash E   IFERC   7185507 Zamir 4   \$4.3000     Financial   Founcial Option   Piet   121/2714   3227244   JPMangin/Chase Bash E   WERG   \$708500 7000 4   \$4.3000     Founcial   Founcial Option   Call   127/2714   3227248   Mangion Bashiry E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   Piet   127/2714   3227248   Mangion Bashiry E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   Call   127/2714   3227270   Bartley Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   Piet   127/2714   3227270   Bartley Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   Call   127/2714   3227270   Bartley Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   Call   127/2714   3227271   Bartley Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   Call   127/2714   3227271   JPMangin/Chase Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   \$718   \$27/2014   \$227271   JPMangin/Chase Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   \$718   \$27/2014   \$227271   JPMangin/Chase Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   \$718   \$27/2014   \$227271   JPMangin/Chase Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   \$718   \$27/2014   \$227271   JPMangin/Chase Bash E   IFERG   \$718500 7000 4   \$4.3000     Founcial   Founcial Option   \$718   \$718500 7000 4   \$718500 7000 4   \$718500 7000 7000 7000 7000 7000 7000 7000														
First   Firs	Financial													
Francist   Francist Option   Col.   12/12/014   32272/68   Morgan Statisty E   FERC   Transcor Zono 4   54 3,000     Francist   Francist Option   Field   12/12/014   32272/04   Morgan Statisty E   FERC   Transcor Zono 4   54 3,000     Francist   Francist Option   Col.   12/12/014   32272/10   Bertity Sano E   FERC   Transcor Zono 4   54 3,000     Francist   Francist Option   Pield   12/12/014   32272/10   Bertity Sano E   FERC   Transcor Zono 4   32 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Class Island E   FERC   Transcor Zono 4   32 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Class Island E   FERC   Transcor Zono 4   33 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Sant E   FERC   Tentric Zono 4   54 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Sant E   FERC   Tentric Zono 4   54 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Sant E   FERC   Tentric Zono 4   54 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Sant E   FERC   Tentric Zono 4   54 3,000     Francist   Francist Option   Col.   12/12/014   32272/17   Principle Sant E   FERC   Tentric Zono 4   54 3,000     Francist   Francist   Col.	Formul										\$4.3000			-
Francist   Francist Opinion   Col.   12/12/014   3272746   Morpol Statity E   FERC   Transcot Zono 4   \$4,5000	Financial	Financial Optox	Pet	12/1/2014	2227244	JPNeganChase Back E	WENC	Transco Zone 4			\$4 3000			
Forestable					3227298		IFENC	Transco Zone 4			CONTRACTOR OF THE PARTY OF THE			
Financial   Financial Opinion   Col.   12/12/016   3227210   Bortony Bonk E   FERC   Tearriest Financial Opinion   Pol.   12/1/014   3227270   Bontony Bonk E   FERC   Tearriest Financial Opinion   Pol.   12/1/014   3227270   Bontony Bonk E   FERC   Tearriest Financial Opinion   Col.   12/1/014   3227271   Philosophic Bonk E   FERC   Tearriest Financial Opinion   Col.   12/1/014   3227271   Philosophic Bonk E   FERC   Tearriest Financial Opinion   Polancial Opi			Pel	12/1/2014	3227266		IFERC	Transon Zone 4						
Financial   Financial Opinio   Pul   12/1/2014   12/273   Bancleys Bank E   FERG   Transcar Jane 4   54 3000														
Financial Financial Cylinia Col. 12/1/2014 12/27/3 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/3 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/27/31 JPM-ryseCheso Bank E WERC Transcript Cylinia Pul 12/1/2014 12/1/20														
Francist Francist Option Fug 12/1/2014 332/23/3 JFMorganChapte Bent E WERC Transca Zano 4 \$4 3000														
Latitude Landard channe   Part   1911/2014   Particular														
		The state of the s												
Financial Financial Option Pie 12/1/2014 3227278 Citymop Energy E FERC Transcor Zume 4 84 2000	Financial	Persona Office	PM	12/1/2014	322/779	Colomb EWILL E	TERC	I REVISCO Zame 4			\$4,3000)			



# DEF Gas Storage Hedging Status CONFIDENTIAL

Docket No. 140001-EI

Witness McClay
Fatract No. (3/A 11)

Hodging Detats (Aug. Dec 2013)

Physical/ Financial	Instrument	Manth	Z Key	Counterparty	Wartet	Letation	Valume	Fixed Price (\$1010B(s)	(\$22MB.u.)	Savings:Cost on Hedge	Actual/Projected Burns	% Hadged
Financial	FIXED SWAP	6/1/2014	4370699	MACQ#	IFERC	FGTZ3			\$4,7100			
Financial	FIXED SWAP	6/1/2014	4435467	JPMC#	IFERC	FGTZ3			\$4.7100	THE RESIDENCE		
		6/1/7014 Tate	1				العناليجينا	RELIES RESE		A said of the little winds	250.000	60%

os7 dging Audit. Docket # 150001; AC 5-045-2-1 DEF 2015



DEF #2 Oil Hedging Status CONFIDENTIAL

	Physicall Financial	Instrument	Manth	Z Key	Counterparty	Market	Location	Volume (Bbls) Fixed Price (	Pabi) Market Scan Biz Average (\$1851)	Savings/Cost on Hedge	Actual Projected Burns	% Hedged
1	I-mancral	TIXED SWAP	1/1/2014	4239468	JPMC#	USGLF	NO2UL5		\$121 6462			
1	l'inancia!	FIXED SWAP	1/1/2014	4242337	MSCG	USGLF	NO2UL5		\$121 A5	2 10 2 2 1		
			1/1/2014 Total						<u></u>	ALLEYS A	13,328	23%
	Financial	FIXED SWAP	2/1/2014	4239459	JPMC#	USGLF	NO2LLS		\$124 9500			
	Financial	FIXED SWAP	2/1/2014	4242354	MSCG	USGLF	NOZULS		\$124 9500			
_ 👌			2/1/2014 Total								9,252	33%
28	Firencial	FOXED SWAP	3/1/2014	4239470	JPIACE	USGLF	NOZULS		\$122 5308			
ᇰᆂᅡ	Financial	FIXED SYMP	3/1/2014	4242355	MSCG	USGLF	NO2ULS		\$122 5308			
자	PERMIT	TINED BIRE	3/1/2014 Total								10,605	28%
				4000010	Mad Affin	USGLF	NOZULS		\$173 1482			
:	I mencial	FIXED SWAP	4/1/2014	4239471	JPMC#	USGLF	NOZULS		3123 1482			
7	Financial	FIXED SYMP	4/1/2014 4/1/2014 Total	4318164	HOM	USGLE	NUZUES		3123 1402		29,179	14%
									1510			
=	Financial	FIXED SWAP	5/1/2014	4239472	JPMC#	USGLF	NOZULS		\$121 9470			
- 몸 (	Financial	FIXED SYMP	5/1/2014	4318165	HQIAI	USGLE	NOZULS		\$121 9470			
50001			5/1/2014 Total						-		17,502	73%
- I	Financial	FIXED SWAP	6/1/2014	4239473	JPMC#	USGLF	NOZUL\$		\$122 6318			-
리:  -	Ferencial	FIXED SWAP	6/1/2014	4318186	BOM#	USOLF	HOZULS		\$122 6316			
Docket	77.5.1.0	TIMEDOTTA	6/1/2014 Total								13,592	29%
- 5												
유	Fiziantial	FIXED SWAP	7/1/2014	4239474	JPMC#	USGLF	NOSULS		\$119 4508			
	Financial	FIXED SWAP	7/1/2014 Total	4320148	MLC	USGLF	NO2ULS		\$119.4508		22,538	13%
udit			William Acad									147
힐	f-viencial	FIXED SWAP	8/1/2014	4230475	JPMC#	USGLF	NOZULS		\$118 5020			
A.	Financial	FIXED SWAP	8/1/2014	4320150	MLC	USGLE	HOZULS		\$118 5628			
			8/1/2014 Total						-		17,936	17%
ging	Ficancial	FRUTO SWAP	9/1/2014	4239476	JPMC#	USGLF	HOZULS		\$113 7990			
P.	Financial	FIXED SWAP	9/1/2014	4320151	MLC	USGLF	NOZULS		\$113 7990			
			9/1/2014 Total							STAN TO THE	4,543	86%
	Financial	FIXED SWAP	10/1/2014	4239476	JPMC#	USGLF	HOZULS		\$105 1890			
4	A. III com lift and	TINCO STORY	10/1/2014 Total	-540-112					500 C 10 10 10 10 10 10 10 10 10 10 10 10 10	当然他上身	5,946	34%
201						140-04-5	21272115					
íz.	Friancial	FIXED SWAP	11/1/2014 11/1/2014 Total	3230017	JPMC#	USGLF	NO2ULS		\$97 5702		8,313	24%
DEF	<del></del>											24%
	Financial	FIXED SY/AP	12/1/2014	3230017	TLANCA	USGLF	NOZULB		\$74.6718	<b>国际</b>		
			12/1/2014 Total					Brookly to the total of the second		BURN THE R	15,194	13%





DEF 2012 'dging Audit. Docket # 150001; AC 5-015-2-1

DEF Coal Transportation Hedging Status - Barga CONFIDENTIAL 

Printal Financial	Instrument	Mania	Zeij	Na tre		Volume (Saliens)	Fixed Pike [1 Callana]	(\$ Wellens)	Esteroted Serings (Cost) on Hedge	Estimated Espection	Letal folk stemated Hedged Expansive
Fysancial	FILED SWAP	1/1/2014	3112000	USGU	HOSER			\$2 9011			
Ferancial	FIXED SWAP	1/1/2014	3971448	USGLF	NOZULS			\$2 9011			200000000000000000000000000000000000000
Financial	FIRED SYOU	171/2014	4103864	USGUF	NO2ULS			27 (O) (			
Farançast	CIKED SYKAP	1/1/2014	4219684	USOLF	HOZULS			\$2 9011		342,335	449
		1252814 Total		-	-					367.323	
Fergrecal	FIXED SWAP	2/1/2014	3681971	USGUF	HOZULE			\$2.9475			-
Funancial	FILED EWAP	271/2014	2971150	USCLF	MORULS			17 9475 12 9475			
Fjrandalf	FIXED SYMP	2/1/2614	4165895	USCLF	NOZULE			Pi Si is			
Previous	FIXED SWAP	27172014	4219683	UBGE	HOMAS			14,9413		345.672	41%
		2/1/2014 Tptat	-		-						
Feenosi	FIXED SWAP	3/1/2014	3861974	USGLF	HORKS			\$2 9174			
Financial	FILED SWAF	1/1/214	2071452	USGL	NOTUL8			\$2.0174			
Fingectel	PILED SWAP	3/1/2014	4105858	UAGLF	MOSULE			25.0114			
I wanted	FIEED SWAP	3/1/7014	4719698	USGLF	HOZULS			32 9174			
		3/1/2814 Total								383,346	44%
Fearmi	FIXED SWMP	4/1/2014	1929543	USGLF	HOZULS			32 9321			
( nampai	FIXED SWAP	4/1/2014	2070901	USGUF	HOTULS			12 9121			
Fargrecold	FIXED SWAP	4/1/2014	4165605	USCU	NOTULE			12 9321			
Fourest	FILFD SWAP	4/1/2914	4276098	USGLF	HONELE			32 V321			
Francis	FOXED SWAP	4/1/2014	4374228	USGLE	HON SE			\$2 9921			194
		411/2014 Total								364,517	LIFE
Feneralis	FOLED SWAP	5/1/7014	2826545	USGLF	HOZULE			\$2 9636			
Financial	FIXED SWAP	5/1/2014	3078903	USGLF	NO2UL5			\$2 6455			
I'manasi	FILED SWAP	\$/1/2014	4165806	USSEF	NOTIRE			\$2 9035			
f manipal	FIXED SWAP	5/1/2014	4226103	USGLF	NOZLE.S			\$2 9035		-	
Financial	PIZED SWAP	9/1/2014	4374230	USGLF	MOST			£2 9635			
		M112014 (cie)			-					300 042	\$4%
Ferences	FIXED SWAP	dr1/2614	3879546	UNGLE	NG24A.S			\$2 0164			
Perpendial	FIXED SWAP	8/1/2014	2079905	USGLF	NOZLES			\$2 0188			
[Ingestel	FLIED SWAP	8/1/2014	4185807	USGLE	NO2UL3			12 9100			
l'executed	FIXED SWAP	W1/7014	4229106	USGLF	NOTULS			\$2 9196			
Emanciel	FILED SWAP	B/1/2014	4374231	USGLF	HONEF			12 0154		294,255	54%
		SCHOOL TODAY							1511 TO 11 T	314.213	ME
	FIXED SWAP	215/2514	3565095	USGUF	HOXXES			12 1143			
Financial	FIXED SHOP	7/1/2014	4062561	USGUF	HOTULS			37 8443			
Financial	FIXED SWAP	7/1/2014	4175876	USGLF	MORAS			\$2 8443			
Feancial	FILED SWAP	7/1/2014	4225107	USGLF	NOULS			32.HG			
Financial	FORED SWAP	7/1/2014	4397348	USGL	MONAS			32 8443			
Ferencial	FRED SYAP	7/1/7814	4405846	USGLF	RAKON			32 (44)			
Financial	AUER BASE	Fri/2014 Total								114,666	61%
	word to distant	Br1/7914	2945697	USQLE	HOZULS			\$2 8234			
Feangal	FOLD SWAP	8/1/2014	4062562	USGU	HOZULS			12 1734			
	FOCDSWAP	8/1/2014	4175077	USGLF	HOZIAS			12 1234	January Delivery		Obs.
Finançal	FIRED SWAP	Br1/2014	4223106	USGUF	HOULS			\$2 0234	WISHER BERTON		
Ferential	FRED SWAP	B/1/2014	4397350	USQL	HOTULS			\$2 9234			
Financial	FOED LYAP	Birgold	4405935	USGLF	NO2LES			12 0234			
		0rl/2014 Tetal							Market Market	311,145	64%
Femeral	FIXED SWAP	WIGO14	3003/200	USQLF	HOZULS			\$2 7095			
Fearcal	FIED SWAP	Br122014	428,2583	USGLF	NOZULE			\$2 7095			
Feros	FIXED SYMP	\$11(20)4	4175878	USGLF	HONAS			82 T095			
Financial	FIXED SWAP	B/107014	6228111	USQUE	HONAS			\$2 7095			
Financial	FIXED SWAF	8/1/2014	4297305	USGLF	MOZULS			32,7095	NO ETABLE IN		
Felandali	PINED SYMP	\$41/701e	4403956	USGLF	MOZULA			\$2.7695	CONTRACTOR OF STREET		
		9/1/2014 Total								392,138	64%
Femeral	FIXED SWAP	torigotii	6231875	USGLF	HOZULS			\$2 5045	8/2 # [EE CO		
Fearith	FIXED SWAP	10/1/2014	4361979	USGLE	HUTULS			\$2,5045	EVERY LESSON	1	
Financial	FIXED SWAP	10/1/2014	4564044	USCLF	NOSLALB			92.5043		0	

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# DEF Coal Transportation Hedging Status - Rail CONFIDENTIAL

Dochstito 140001-EL Winess McClay Cabbbillo (JM 17) fledgring Details (Aug. Det 2013) 1 of 1

Physic Financ		Morth	2 Key	Market	Location	Volume (Gallons)	Fixed Price (\$:Gallans)	Market Settlement (\$10altens)	Est[mated Savings](Cost) on Hodge	Estimated Esposure	Total % Estimated Hedged Espotun
Financ		1/1/2014	3687237	USGLF	HOZULS			\$2 9011			
Financ	The state of the s	1/1/2014	4170609	USGLF	NOZULS			\$2 9011			
		1/1/2014 Total								202,649	41
Finance	al FIXED SWAP	2/1/2014	3887241	USGLF	NOZULS			\$2 9475			
Financi	al FIXED SWAP	7/1/2014	4170810	USGLE	NOSULS			\$2,9475			
		2/1/2014 Total								262,648	419
Fenance		3/1/2014	3887242	USGLE	NO2ULS			\$2,9174	AND THE REAL PROPERTY.		
Financi	al FIXED SWAP	3/1/2014	4170011	USGLF	NO2ULS			\$2 9174			
		3/1/2014 Total								202,649	411
Financi	FIXED SWAP	4/1/2014	3937698	USGLF	NOZULB			\$2.9321			
Financi	al FIXED SWAP	4/1/2014	4177258	USGLF	NO2ULS			12 9321			
		4/1/2014 Total	-							202,449	411
Financi	H FLYED SWAP	5/1/2014	3937709	USGLF	NOZULS			\$2 9035	· 国际公司		
Emeno	ni FIXED 5WAP	5/1/2014	4177259	USGLF	NO2UL5			\$2 9035			
		S/1/2014 Total		-						202,649	411
Financi	M FDOED SWAP	E/1/2014	3937710	USGLF	NO2LLS			\$2,9196	1 5 E L 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1		
Finance	M FOUED SWAP	5/1/2014	4177260	USGUF	NO2UL5			\$2 9196			
		6/1/2014 Total								202,649	415
Fatne	FIXED SWAP	7/1/2014	3964928	USGLF	NOZULS			\$2 6443	THE RESERVE TO SERVE THE RESERVE THE RESER		
Fetanca		7/1/2014	4175879	USGLF	NOZULS			52 8443			
		7/1/2014 Total								202,649	413
Finance	FIXED SWAP	6/1/2014	3984930	USGLF	NO2UL5			\$2 8234			
Finance		8/1/2014	4175680	USGLF	NOZULS			\$2 8234			
		6/1/2014 Total								292,649	415
Financia	H FIXED SWAP	9/1/2014	3964932	USGLF	HO2ULS			\$2 7095			
Finance		9/1/2014	4175881	USGLF	NOZULS			\$2 7095			
		9/1/2014 Total								202,649	417
Financi	FIXED SWAP	10/1/2014	4062602	USGLF	NOZULS			\$2 5045			
Finance		10/1/2014	4226112	USGLF	NOZUES			\$2 5045			
a de contractor	FACED Grown	10/1/2014 Total	-420112	UUULI	NOOCS			32.00		158,108	\$39
Firmings		11/1/2014	3242026	USGLF	NO2ULS			\$2 3231			
l'inance	FIXED SYMP	11/1/2014	3229949	USGLF	MOZULS			\$2 3231			
		11/1/2014 Total							S ON BY WIND	158,108	537
France	FIXED SWAP	12/1/2014	3242025	USGLF	NO2ULS			\$1 7779	<b>文美洲生态</b>		
Finance	FIXED SWAP	17/1/2014	3229949	USGLE	NOZULS			\$1 7779			
		12/1/7014 Total								158,108	53%

#### CONFIDENTIAL

#### Attachment A

Month	(barrels) - See Note 1	neagea valuine (barreis)	% Hedge
January-15			
February-15			
March-15			
April-15	F111 - 67		
May-15	# SEE CAL		
June-15			
July-15			
August-15			
September-15			
October-15			
November-15			
December-15			
	26,541	12,000	45.2%

Note 1: Forecasted fuel oil usage as of December 2014 for 2015.

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Et geskald Financial	tretturrent	PULCEN	WWIN	fa <u>nte</u> famber	Cuarters sety	37aiNCt	Lecetion	444.56	Feether standard	101-011170	Sawesteller Peta	AutoTajian Pan	Sample
Ference	Ferancial Catalia	Cat	UTU/AUTS	3227307	Cagroup Energy &	HAMEENGLID	Harry Man			32 1000			
Emanaul	Ferencial Dates	Put	1/1/2015	372730	Company Compy C	HYDEKNOLID	Elevery Hub			\$3,1450			
Forgustal .	F mancal Option	Can	M1/2015	12227211	Manager Strong E	HITMER NO LID	Broomy blads			13 1990		-	
Emancial	F e-arrowl Octom	Put	12172115	322/311	Margan Stanteg E	PRIMER HOLED	ready (0,0			53 1010			
Financia	Francial Dates	Cas	U1:7815	323/312	JPMm perChana Baro E	WERG	COT			\$3,0000			
Fenancial	Fatercus Option	Put	1/1/2015	222/312	IPMmpsrChase Donk E	TERC	103			E3 0000			
Fanancial	Females Samp		P.P.2012	3221428	Market prentant E EM	MERC	Profess Fluid			12 1800			
Financial	f thanqual Sings		N LOG IS	3223434	Murger Stanley E	FERC	Herry Had			3 1500			
Enamosi	I mencel Swap		1/1/2915	3223439	Margae Clarkey E	WERC	Herry I hab			\$3 tion			
	F state till Swap		1/1/2/215	3723542	Bartheys tiens &	WENC	Dany Hab			31 1000			
finiated	FRANCIS SANS		374/3015	3721541	JPM sepanChase Bank &	IFERC	Finance ( finite			\$1 1000			
Fer amount	f maracies Georgi		3/ W20215	3723823	Barcays (1904 E	HIMEX HOLID	Shore y High			13 1110			
Frances	Fenancial Suige		1/1/2019	2273933	Common Energy E	HYMCH HOLLID	Parky Hub			13 1030			
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FOLLARM	F MARCHE Swap		1/1/2015	1224035	Garcers Bank E	MINER HIS LID	Floory Ptub			33 1096			
festal	marked base		เมนาวาเร	3224067	Morpey Stamp E	HTMEN HOLID	Harry Hub			31 HW			
[ mancasi	Fershami Sweet		116/2/315	2224214	PMa-ganChasa Bank I	W CHC	Bransce Zern 4			\$1 1800			
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* maneual	Financial Elean	إصبين	1/1/2015	1224223	Sectors Bank F	HENG	COI			\$3 Decisio			
8 in amount	Finançal Ener		1/1/2015	3274350	Barcleys Back &	4 EAC	COT			1.1 1400			
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Feancies	f introst Critics	Put	\$717015	3227516	Mend your Com E EM	FIRE	Personal		17 3300	-	-	
Emancial	F INSPICUS (F)SIGN	CNI	J/1/2013	3727518	DICHENDINE	COLUMN AND LINE	Flority PLB		\$2 \$170			
Financial Financial	Financial Option  Financial Option	PM C46	\$/\$/2015 \$/1/2015	3227510 3237321	MANUFACTOR FELL	MINE LING LING MINER HIS LING	Parry Hub		43 6170			
Featural	Fearmat Option	Pul	SHIPCES	3237521	Morth paintain & EM		Herry FMB		\$2 \$170 \$2 \$170			
Ferencial	Fetteranii Opton	Cat	5/1/7015	122/707	Plangations Both E	#EAC	Islanden Zone 6		\$2 5000	- 6		
Empress	F vianced Option	Put	5/1/2015	322/76/	J. Standard Charle Cont. C.	WERG	Transco Zono 6		\$7 \$200			
Estancial	Fengrapi Option  Emercal Option	Cet PM	2/1/2014	2236363 2236363	BAMONINEAL BAMONINEAL	4 (00	Henry Hub		E2 5360			
[FIMORE]	FataAcuti Option	Call	M1.7013	3748420	Commun Engry E	BERG BERG	Henry Hab		\$7 5300 \$7 5300	- 100		
Firences	Farancial Option	PM	5/1/2015	324649.5	Law our Liverage E	PERC	Herry Hue		157703	- <del>i</del>		
Financial	Ferancial Option	Call	ALP/2015	3251316	BUNDFITHEAL	FERC	there y than		\$2 5500		The second second	
Emanquel	Ferencial Option	PM	S/1/2015	3251386	BANOHITEAL	#ERC	Herry Hub		\$2 5350			
* Manage	Ferencial Option	Cas Put	5/1/2015	3294183	"PHorparichese Base I	# Elec	transy Fluid		£2 \$300			
French	Ferran Option	Cal	MICTO15	3794193 3796785	PhysperChase Bank E. Murger Statesy E	#ENC	Have gill de Havey Stub		12 5300			
Financial	Francii Cesse	PM	5/1/2215	3756715	Mogan Datey	FERC	risky IAA		12 1300			
Ferminal	Fearmail Cyren	Cat	5/1/2015	32/96/10	Character Erwitz E	NEBC.	Hotel Pub		12 5 300	100000		
Fergrand Fergrand	Fetencial Option Fetencial Continu	PAL	5/1/2015 5/1/2015	3273610	Lagrang Laurgy E	FERC	Herej N.O		12 5300			
Ferencial	Faranad Coton	Put	5/1/2315	3297219	Linguise Energy E.	WERE	Honey Plub		12 1300	- 1		
Fotorme)	Ferend Coton	Cal	\$127915	3794153	Cagrag Faryy E Marper Starby E	MINERIALIB	Horsey Phile		17 5100			
E ingnizat	Francial Coton	Pus	5/1/2015	3290153	Margar Standay S.	ITHER HOLID	Flynny ITula		12 5 170			
Farançasi	Freehold Option	Cat	SHORES	1101719	Morett professor & ESI	IMMEXHGLID	Herey Hate		\$75170			
Fenancia:	Fatancial Cytom Fatancial Cytom	Put Cos	\$/8/2015 \$48/2015	3301732	March, protection E.E.M.	MILLIAMENTA	Herry Hub		\$2,5170			
Letatical	Felancial October	Put	5/1/2015	1304156	Macquere Barn Life Macquere Barn Life	MARKING CID	Plensy 1949		17 \$170 17 \$179	- 60000		
Favoricul	Fanancial Option	Cot	\$172015	3316461	Margan Standy S	HTHER HOLID	Henry FMB		123173			
Ferancial	Estatemal Darson	Per	5/1/2015	3310401	Murgan Starter E	HTMEXHGLID	Holey Hulk		27 5176	1		
Emancial	I marroel Detron	Call	\$/1/2015	3312102	Marper Manag E	HYMER IIG LID	Hartry Phili		\$25173			
Emancial Emancial	Firston Option	Put	\$/1/2015 S/4/2015	3312102 3317024	MAY PAY SCHOOL E. BALLOW PREAL	HYLER HIS LYD	I many Hub		17 5173			
d suprempt	Emencial Option	-	Stringlis	3317824	BKHOHREAL	MYMER MALE IO	Freez Fluid		37 5179			
Frincial	Felancial Oblain	CAL	S 1/2015	3321024	Scoto Bank	HYSAEX HO LID	Princip files		12 6170			
Exposit	Februari Dynam Establish	Shall	SHURTS	3221421	State Bent	HATER HE FID	Henry Date		E2 5118			
Francial	French Sept		\$11/7015 \$11/2015	3273335 3273335	PhintenEtess Bark E	DRS'U	Herry Hab		£2 5300	- 1		
Fernad	Francis Swap		\$1,7618	3273143	PMeganChee Bath E. Magan Stewy S.	WERC	Danny Hub Henry Hub		17 5320	-		
Francial	Financul Sireq		Sr1/7015	3223336	Margan Stanley E	W EIRC	_ feery Hub		12 3300	1 100000		
Fataness	Falancial Single Falancial Single		Schatters	32/3-24	Hertil printant EEU	HERE	Profit   Plub		22 1530	1 2000		
feamul	Finances Surge		\$11/7013 \$18/2015	3223426 3273428	Mornit prantiare E (LA	WERC WERC	party that		87 5300 £3 5300	-+-		
Franca'	Francis Seal	-	M1/2015	3721432	Physoches dank t	4180	Francy Flub		23.70	+		
BARCAL	6 standed Survey		\$/1/7015	3273434	Manager Stanley E	HEAC	Frency Fluid		87 5308	- 1		
Emanus	Francis Sono Francis Sono		5/1/2013	3273436	Merger Stanley C	WERG	Henry Hulb		\$3 5300	1 1000		
February	Founcial E-ray	-	5/1/2015	3323475 2223537	Margan Standay E.	UERG WERC	Henry Hun		\$2 5.300 \$2 5.300	1		
Francial	fetercer Lags		5/1/2015	3323641	Margan Stating E Margan Stating E	WERC	Plany Plate		12 (30)	+		
francial	Françai 2 may		5/1/7015	327 3144	Philapprichers Bara B	IFEAC	Here y Chall		12 5330	1 1000		
Ferbread Ferbread	Feneral Seas	-	2/1/7018	3223546	Surings Bard E	WANE	Howy Hub		17 1,100	1 2 2 2		
4 market	Ferencial Sweet		SPREZUIS SPREZUIS	3273547 3273548	Photograficate State E	BERC	inter ILD		£2 \$300	+		
Fenencial	Ferdenced Swap	-	\$19/2515	3273452	Barttayt Bank E	#ERC	Havey Elds Havey Elds		17 5300 17 5300	+ 1000		
Ferenced	Feencal Buse		M12016	3773567	Creef Suites IPT	AFUC	Plany I La		\$2 \$2.50	1-12-20		
FININGH	Farancial Sires		\$/1/2013	3273569	Morgan Blanky E	WEAC	Herry I La		87 5300	T TOTAL		
Financia:	Financial Susa		Micons Sugars	3223147	Sandays Stant C	RIBERNOLID	Home & Brish		37 5170	T-ESSE		
Francui	Foresal Boss		SAIGUES	3773144	Barchery Back E	HINERHOLID	Henry Fluid		\$2 5170 \$2 5170	+		
Francal	Fenencial Barsa		S10015	1774218	Credt Sun to test	HTHEX MGLIO	Harry Hus		12 5170	+ 100000		
Fernancial	Finerated Bores	1	5/1/2013	3274720	Margan Brawny E	HITMER MISLIO	Herry I Lie		32 6030	T. Salar		
f manual	First gar Seta		\$11/2015	3724Z21	Bartleys Bank E	HYMEXIMOLID	French State		\$3 \$110	T.		
(maga	Ferancial Seria	-	Britishin	1724213	Barciays Bara E	MINER HOLID	Howy then		\$1 \$170			
( arterery	Ferancial Smale		M1/2019	1274243	Murgan Stanuy E Banclays Basis E	HAMER WOF AN	POPP HAR		33 5170	+ 2000		
Financus:	Estangual Emap		PATASOL2	3224276	PHospir Chase Bank E	# ENC	tal		\$7 4490	1-1		
Fenercial	Francial Surg		WH2015	3224200	Sartleyt Berm E	WERC	103		\$2 4400			
Februar	Fatançasi Surap Fatançasi Bitapp		STATE IS	323413J 3224301	faranya dara E	ILENC.	COI		12 4400	1 200		
					PhingerChase there E	IFERIC .	103		\$J 44¢	A STREET		
Fernand	Francia Swall	- 1	S/1/3013	3324364	PS/organiChase Burk C	WERC !	CGI		\$2 4420			

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Physicae Europape	Instrument	Fello	Water	Frace	Equitorizatly	(Famil)	Licenses	00.44	Factions (\$15.5%)	********	. Semestries	A tup Frencher	Name of Street,
Françai	Ferencial Lines		5/1/2015	2274500	Margar Manage C	I SENC	car		13-17-27-3	12 4420	Het <sub>e</sub> e	P. Carrie	100000000000000000000000000000000000000
Februal	Francis Swap	-	5/1/2015	327 0634	Cared Suman and	FERC	car			82 A400			
Fearual	Francis S-sp	-	\$12015	3274018	Philipped hour days E	WERE	103			374400			
Firendal	Financial Syrae	1	M1/2915	3724620	Charma Lineray E	MENC	CCT			82 4420			
feteroal	Fir annual Surap		\$12015	3271871	Phopothes has C	FIRE	681			12 4400		-	
Emanciel	First Susp	-	MICEIS.	3271840	Manquerte Bart LLd	WENC .	100			\$2,4409			
Engress	Emanesal Bings		91/2515	3321678	Barcers Bank E	FERC	123			13 4400			
Fataness <sup>2</sup>	Emanical Swap		M10015	3724681	J'Margarithese Bont E	WERC	¢GI			12 44EE			
f manesal	Financial Sarap		1/1/2015	3231433	Company Evaluate	-FLHC	103			12 4438			
Emanual	Financial Sm Lp		\$11/2/916	3274601	JPMergarChese Bank C	WERC	103			12 4438			
France	Constituti Smale		\$11:7915	123 1464	Marris, process F. CM	# Utile	col			12 4490			
Televisial	Forenessi See 2		5/1/2015	1224693	PhorparChain Barn E	2938	COT			12 +408			
[mancal]	Freezal Seria		5/1/2/315	123-44.97	Managaran Base (22)	FERT	105			12 (40)			
Ferenday	Finance/ Europ		2/17015	1274967	Creat Supported	FERC	cat			57 A400			
Estancial	F manesal Sirsus		5/1/7013	32246 F3	Mort purcam EEN	FERC	103			12 4400			
Emphasis	Fanancial Scrap		5/1.7615	3374011	Credi Banna ben	1 (40	Jepason Zono 4			12 5000			
FRIAMENT	Feransian Emp		5/1/7013	3234817	Dartings Bank E	WERE	Franco Zone 4			12 5200			
Emercial	Francial Bulgs		5/10/015	3724818	Margan States &	#ffec	Franco Jone 4			\$2,5000			
I mancal	Ferencial Leagu		2/1/2015	3774429	J'MargarChase Bent E	WERC	Transmi Zaro 4			\$2 sccc		****	
f mantal	Compressed Streets		SHIGHTS	3224314	Movie your Carrie EU	WEAL	Transca Zano A			£2 5000			
Fernaul	Financial Swap		5/1/2015	3274015	Margan Starting E	WEAC	Transco Zone 4			17 5000			
Ferancial	FRANCIS EASE		5/1/2018	3224516	Morgan Stancy E	WERC	Transco Zane 4			12 5000		-	
Ferancial	Fetancial Sings		\$/147015	3274319	CAvitag Engley E	MER:	Stanton Jaco 4			12 5000		-	
S MAPRIES	FINANCH SAW		9/1/001S	3224921	JPM praeriChase Bans E.	MERC	Statum Zana 4			12 5010			
Francis	Financial Simp		S/47015	1274521	Credit Suman Into	REBC	Tennan Jaco 4			1,7 50000			
Emanded	Financial Swed		9/1/2015	3224925	Carpena Learny E.	FERC	Scancon Zano 4			12 2000			
f mental	Financial Siesa	l	5/1/3013	3224828	Crodd Sart to Dell	MERC	Franco Zano 4			17 2000		-	
FRIFBY	Fitanced Event		2/17/015	1225044	Mary part Standay E	VERC	Transon Zone 4			12 5000			
FAMILIA	Financial S-43		L/1/2015	3225060	Principal Chain Bark E	SERE	100			17 acm			
(MARKE	Finances Since		\$1/2315	322506 F	Book metant tu	WERE	cal			\$2 4400			
Empresal	Ferinand Sense		\$/1/7015	1225205	Maryer Startey 6	MERC	100			87 4403			
Fir Install	Feuroil Sene		5/1/2015	1270557	Month, promitant & ELI	WERE	Travers Zone d			12 SC00		-	
Ferancial	Estamail Snap		9/1/7015	3220040	BRANCHINEAL	IFERC.	Floring Plate			82 3 880			
Facquepus 5	I marcal Seas		\$/1/2015	J24725a	affiliarpanChasa Bont E	#-ERC	461			52 4460			
Financial	Emancial Swap		\$/1/2015	3783788	Macquaire Bank Lite	FIRC	Transau Zama 4			12500			
FRANCIE	Francial Snae		5/1/2015	3294453	Manguage Bank Ltd	IFERC	Transco Zana 4			12 5000			
F BANKSHI	FAMOUN SAME		SITE/2015	2280344	Lityrout Energy C	FERC	Transco Zone 4			125000			
Emancial	Firencial (Image		\$/1/7015	3294996	Macquaru Bara Ltd	FERC	Transac Zone 4			12 5000			
Finenzial	Federalt Bods		SHOOM	3297304	Mend, per m EEM	HIMELINGLID	Davy 150			\$2 5110			
I INSPENS	Fenencial Swag		SHOOKS	3306186	Mand, puntame E EM	ENTINEX NO LIO	Please PAID			123177			
Enantel	Ferencial Comp.		Sucins 1	3393619	Marris, physicians E 614	WINES HOLD	Here H.D			LZ 5170			
[marcal	Festiget Seep		5/10015	3121455	DEP PARALE EM	NEWERNOLIS	Henry Hyp			12 4170			
MATERIAL STATES	Fanoresel Surga		3/1/2015	1322457	Chighoum ( namps E	MYMENINGLED	clove PAG			81 3 (1)5			
Financial	Financial Sesa		5/1/2015	33330233	JPM w par-Charge Bank E	of FRG	Tronses Zone 4			12 5000			

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Me of July \$1. 25	ru					CONF	IDENTIAL					
Payment   Enamely)	lizati program	FATE	1 - Marin	frate Number	Enempety	Makel	teren	Ville.	Latel to	Servemujitane.	, Industrial Advantages	h-f-alped
FISANCIAL	F MANGAN COLUMN	Call	6/1/2015	-							100	The state of
(manus)	Francial Octor	Put	M717315		Common Energy C Common Energy E	NINEKIIG (10	rong PAB			\$2 6150	TO SECURITY OF THE PARTY OF THE	
Empressi	Financial Caras	Call	61/2015		Warper Stanier E	HAMET NOT 10	Herey Hub			\$2 0150 \$2 0150	THE REAL PROPERTY.	
f manual	Firstmosel Octor	PM	W1/2015	3227211	Harpen Morney E	HYMERHOLIU	Herey Hub			\$2 8150	CONTRACTOR OF THE PARTY OF THE	
Financia:	Ferenced Option Ferenced Option	Call	W1/3015	3227313			661			17 7798		
Financial	February Comm	Cas	6/1/2015	3227518	Have yester ( ()		601			\$2 F20m	C. L. Carlotte	
First-coal .	Fenancial Ophers	Put	6/1/2015		Word marcan f EM	FERC	Herry this			\$2 6750		
Enancial	( arancial Option	Call	B147018	3222519	BENIDHIREAL	HATURA NO LID	Travery Club			63 6230 63 8410	BEATER 1818	
Festeral	Francial Option Francial Option	P.I.	B/1/2015		BUNCHANTER	HITVEAME LID	Herry I Lin			\$2 a150		
Financial	Fernan Oyesa	Pul	8/1/2015 6/1/2015		Market problem E (10)	HIMEN NO LID	Plany III.0			42 6110	CYCLE CO.	
Financial	Financial Crystops	Call	W 1/7018	3231101	Marrie, your Come Can JP No your nasa Base E	HI WELLIG EID	France Pub France Zano 4			62 6150	A SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSO	
Foremeas	F married Dynam	_PM_	Br1/3115	3221701	Ji'Mar pa-Chasa BAAL E	HEAC	Transco Zono 4			13 8000 13 4000		
Francial	E this year Dates Empressi Option	Cul	MICOLS	3718383	BRINCHIBEAL	HERE	Henry This			12 4200		
Financia	Frenchi Dans	CAR	MINOUS MINOUS	3746496	BENCHIREAL	# ERC	Flanny Hub			£7 £780		
[ Persons	F manual Cotage	Put	W1/2015	3744486	Comme town E	WERC .	Hong Is B			\$7 \$700		
Estancial	Forument Column	Call	ผมของไร	3251300	BALICHTREAL	WERC	Herry Hab Herry Hab			12 4200 17 6205		
Financei	Falancial Option	Put	6/1/7015	3251336	BANDHIREAL	WERC	PRINCY HAB			57 6760	THE STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO	
f maneus'	F statem Option F statem Option	Ea8	6/1/2015 6/1/2015	3264183 3264183	Allan JarChase Bare E	#ERE	Provey Hole			\$2 6790		
Francis	Forential Option	Col	0/1/2019	27001E3	JOHAN parChase Bath & Mer par Ditoring E	FERG FERG	History Finds			12 4200	CHECK COMPANY	
Featon	Females Culture	PM	£/1/7015	3364785	Margan Marky E	irche	Havey Fluids Friency Fluid			87 6200 87 6200	-	
Franciel	Ferancial Option	Call	M1/2015	3779679	Cagroup Erergy E	FERE	Herey Hub			12 1200	AND DESCRIPTION OF THE PERSON	
Francial	Falancial Option	PM	Arkanis	3279070	Camping Ecology S	WERC	Planty Philip			62 6250		
Fernan	Financial Option	Call	B/1/2015	3297219	Cagrous Energy E	が発行	Percy IA.b			12 0200	ALE CASO	
Emencial	Emphasis Cyrine	Call	W1/2'815	3296153	Gogrand Langy E Mergan Stantoy &	HEAC NYMEXING LIB	Prompt Fall			17 6200		
Emanesai	Financial Optical	Pul	W1/2015	2293153	Margan Standay E	MINEXIAGEID	Havey FLB			27 6160 27 6150	600	
FRANKIN	Financial Octon	CH	8/10/015	1301229	World, year Com E EM	MINERIGLIB	Herej Hue			12 4110	CEUCH RE	
Fearur	Financial Octor	Cut	6/1/2015 6/1/2015	1301773	Merit yesten EEM	HTPERHALID	Herry Huo			12 4 150	S. C. Santalana	
Fotoversi	Festival Octor	Pul	01/2015	3354150	Macquirie Bark End Macquirie Bark End	HOMER HOLID	Henry Full			120150		
PROPERTY	Ethandel Open	Call	4/1/2015	1310-01	Margan Starray S	INMEA HOLD	Herey Hub			\$7 6150 42 6144	33535	
Emanesal	Festival Option	M	6/1/2615		Margari Marray E	INSERTIGLIO	many IND			12 0150		
- Ferencei	Financial Octors Financial Octors	Gal.	8/1/7815 8/1/2015	3512182	Margan Staney G	NYMEA NO LID	Flowy 10-0			32 0 (50	AND DESCRIPTION OF THE PERSON	
Ferences	Frenchi Opton	CH	B112515	3312103	Morgen Starray E BRIGHTHEAL	HYDEX AGE ID	Hanry Philo			\$2.6150		
Imamost	Erroreset Claren	PM	6/1/2015	3317824	BANCHINE AL	NAME & SIGNID	Havey Fluis			12 0150	ACDED SHOOTH	
- Ferrenal -	Ference Dynamic Ferences Colors	Gat	W142015	3321624	Sente Revi	MYMES HOLID	HAMP FILE			\$2 8150	CONTRACTOR OF THE PERSON NAMED IN COLUMN 1	
6 mancas	Financial Option	Put C15	B/1/2013	3321874 332/183	Ecota Bors	MINEX NO LYG	Henry I tub			12 8150	COLUMN TO THE REAL PROPERTY.	
Firenosi	Financial Option	Put	MICOIS	3725163	Ecotes Bank Scotta Sans	NYMER HOLD	Heavy Pub			12 1150 12 1150	Control of the last of the las	
Felgitpel	Farancial Option	Gul	8/1/2015	3778149	Margan Startey E	HIMER HOLLID	Pouglab			43 4130		
Financia:	Fir Indui Cycan Insnesi Less	PLE	\$107315	2228119	Wargan Maruny E	MINERHOLID	Promy Insta			37 8150	EQUIPMENT OF THE PARTY OF THE P	
Foundati	Financial Selap	-	8/1/2513 W1/2011	3223326	J'Margarii Note Bark E	EAC	Henry IND			12 tysii		
Emanga)*	Feneral Subs		B/1/7015	7771111	JOSEP part have Bank E Mary Lt Manney E	H CAC	Henry Hub			13 8700 52 8700	STATE OF THE PARTY	
Perspecial	Financial Europ		\$717065	322 2336	Margare Staron y C	IFERC	Hartey Help			17 6200	THE REAL PROPERTY.	
Ferencial	Financial Europ Financial Europ	-	8/1/7015	3723474	Herd, procun E EN	WERC	Figrey PLB			17 6790		
Feercal	Francial Evolu	-	SULZEUS	222342M 2223425	Mangaray Bara (19 Mandi, year (am f 64)	of CRC	Frency Hub			\$2 (F200)	THE REAL PROPERTY.	
Estatable :	Ferencial Swee		6/1/2015	3723412	JPM maarchase Basa to	#ERC	Phony PLA Honey PLA			12 8790	A PART OF THE PART	
8 milestell	Firencial Sinas		6/1/2015	3223434	Morpen Starley E	# ERC	Marky Eleb			12 6290		
Fetanous	Financial Swap Financial Swap	-	8/1/2815 8/1/2815	3723439	Margan Starrey B	IF EAC	Herry Usak			\$2 6200	HEROLD HER	
Emencial	Farancial Surge		MICONS	3723415	Margan Standay E Margan Standay E	IFERC IFERC	Horry I tab			13 4200	STATE OF THE PARTY	
Fearest	Frenchel Sirsa		6/1/2015	3723541	Unique Starms E	FERG	Holey Elso Pressy Plato			\$7 4700 \$3 6300		
FRANCIE	Francoi Seja		B/1/2011	3223644	Principalitate Ball E	orn:	Herrich			27 6708		
Financel Emergel	Financial Supp Financial Supp		B/1/2015	3223540	Bandaye Bank E	# ERC	Hewy Hub			1.7 6300	C-12-22	
Francis	Financial Suits	-	6/1/2315 6/1/2315	3223647 3223649	PrimparChesa Earl 6	affile:	Hunry Hull			17 6300	CONTRACTOR OF THE PARTY OF THE	
Feransial	Financial Se co		G/1/2015	\$773542	Barctays Blank E.	#EAC #EAC	Plering PLIB			A2 8280		
I me wast	Francis Loop		6/1/2013	3273507	Chest Busses led	W.CHC.	Herry Hatt Steery Hats			\$3 E700		
Empressi	Forestal Snep		A/1/2015	3173500	Mingan Kinning &	WARE	Homy this			F3 8500		
Farancias Farancias	Financial Singe Financial Singe		A/ W2015	3773343 3773344	Bortleys Bank &	NEWEX HIS LID	Hewythin			12 0150		
P manesal	Francis Siras		M 1/20:3	3771744	Baruara Dana C	HIMEXING LID	Homy this			12 1150	PROPERTY AND ADDRESS	
Transa	financial Energy		BE1/2915	1771710	Cores Sansa inti	MINEL NG LID	Freiry 15 <sub>4</sub> ts			13 0150 03 0150	-	
f Pupped	Forest Loss		6/1/7015	3271230	Morgan Markey E	MINERNOLIO	Henry Page			17 1150		
Eranoal	Financial Siras		6/1/7015 6/1/7015	3734779 3224732	Bareleys Bars &	HIMERHOLIO	Bloke blid			87 8150	100000000	
P (Rampla)	Francis Seep		6/1/2013 6/1/2013	3224733	Bardings Bans C Mengan Stanting E	MARKING LID	Physical Reference			33 8150		
FIRMONI	Financial Enem		8/1/7913	1224753	Carrage Bare 2	HT MC	Henry to b			12 4150 12 7700	Charles and the same of the sa	
Printerior Printerior	Francis Soup		6/1/2015 6/1/2015	227 L274 227-1298	Gentleye Bark E	VENC VENC	661			12 7200	THE RESERVE TO THE RE	

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Francisi	Frenches 1	Pulcus	Fieth	Eurates Eurates	Leuringuity	Walte.	1 ocutant	10 March 10	farffile Limits	Cename (1950)	Exemplication fiedos	Actus Dimeted	Similar 1
f mangal	Francial Bess		6/1/7015	1274317	Beecheys Storm E	PERC	100			12 7200			
Fauncial	Francial Eura		B/12015	1724341	Ji MerpanChasa Bass E	RFUC	EGT			12 7200			
Emansal	Francoi Sires		M1/2015	3224184	APROGRACIANO BATE E	of Enc	E01			12 7200			
Ferencial	Emencial Serse		6/1/2215	1224106	Margan Standay E	MINE	103			\$2 (200		The state of the s	
Ferencial	Favoressi Smith		8/1/2015	A274509	Dimper Marty E	WERE	CGT			13 7300			
Ferences	Financial Swall		MITTELS	3274834	Crout Succe and	HERE	CGI			\$2 7300			
Fenencial	Finances Sent		6117015	33734618	JP MorganiChese Bank E	FRC	100			\$2 /700			
Emanual	Firancial Swap		6/1/2015	377 4670	Compliant Company E	RESC	EGI			12 7700			
Empressi	Ferbricial Service		BL#12/31/2	222 HE2 I	JPMarganChase Barn E	W [RC	£GT			\$2 7200			
Homes 1	Followed Swap		Patanta_	2224448	Macquaire Bonk 458	FERS	EGI			\$2 /300			
Estation"	Financer Since		0.12017	3324619	Bastom Bank E	of LAC	£G1			57 7700			
Fetancial	Fatencies Swep		6/1/2013	7724681	Phingsochus Barr &	WERC	CG1			52 7700			
Francial	Ference Swap		6/1/2015	3274643	CARPONE ERRORS E	FERC	123			£2 7700		100000000000000000000000000000000000000	
Emencial	French Sage		6/1/7513	3224003	Phonesochers Sees S	FERC	CEI			\$2 7700			
FINANCIAL	Francial Leap		6/1/2015	127 4094	Motell, promition EEM	WERC	641			12 7300			
Forgretat	Fatampal Even		6/1/2015	3234663	APPRINGING BALLE	WERC	EG!			12 7200			
Engassil	Fanancial Simp		8/1/2019	3734687	Matquare Born Ltd	FERC	CG1			6.7 7700			
Enangal	Fenancial Serge		61/2015	3.2748:27	Crasil Susse Intl	FEAC	100			\$2 7700			
Emandade	Feneral Saur		0/1/2013	3224013	March professor (E.W.)	WERE	cot			32 /700			
Françai	Francis Sees		B 1/2015	3774615	Cledi Sette 80	FERC	Transpa dana 4			82 4000			
FEBRUAR .	Francis Swan	1	OF MARCINS	1274812	Baresaya Bank E	BERC	Tuerness Zene 4			67 4300			
FRANCIA	S MARCH Sons	1	6 1/29 15	3/24858	Ster part Stanley L	NEWS.	Tannan Jane 4			12 4300			
Horsel	[MANDALEMAN	1	BF1/2015	22248.36	Play and Nasa Bara E	FERC	Transco Zano 4			8.2 6.300			
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Fernance	Francia Seas	+-+	6/1/7615	322+618	Chang Long C	#FAC	Transco Zono 4			12 6000			
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Financial	Financial Series	-	4 W201	322+623	Credit Sunta Iril	W ERC	Transco Zana 4			12 1200			
Pancel	I mancal times	-	01/2015	1274E75	Complete Entering E	WERE	Transparate 4			12 4200			
PACER	Francis Sale	-	8/1/2815	3274323	Credit Seesa (Atl	PERC	Transmillers 4			12 4200			
I STANCION	Emandel Boss	1	6/1/2015	1775044	Margan Markey E	HENC	Timeson Jone 4			33 6000			
PANGA	France Less	1	Bricos	1775050	J'Margat Chase Bard E	IFFIC	COI			ER 1209			
- manesal	Franchi Serva	+	9/1//915	2225057	Mark product CEU	ITERS	COI			(\$ 130m			
TANANA T	Foundati Saza	-	8/1/7015	1723.703	Margan Stander E	ULIAC	cgi			\$2 7200		-	
Founced	Feancal Seas	1	8/1/7015	1204531	MINE PROCUME EV	HENC	Itaanin Jare 4			17 8000			
Baresi	Foundations	-	8/1/2015	3271440	DAMONTHEAL	UERC	1 mm 1 26-8			23 6300			
Con root	Francis Seen	+	6/1/2013	1767210	J'MorperChain Barn C	E ENC	CBI			\$2 72CB			
Feldman	Emanual Loss	+	diameter	3783784	Macaman Bant Lts	IFENC.	Frantos Zana 4			12 6000		-	
Patenti I	Extended Sector	+ +	Articulas	3784451	Manual or Sept Ltd	WERC	Transpe Zone 4			\$2 8000			
Percei	Financia base	-	8/1/7015	1206344	Citigrams Entires E.	IN FRID	Brancos Zano A			12 000V			
BURGH	Françai Lass	1	6/1/2015	1254168	Manuary Care Ltd	WERE	Stattet Zana 4			\$2 acce			
mancial	Francis Euro	1	£/1/2018	273/304	March pronton E EU	HANEX HOLIU	Princip (Aul)			12 0150			
Fatoa	Financial Syrus	-	8/1/2015	3306464	Hart percanttu	MUNEY HOLD	Florer Hub			22 0150		Name and Address of the Owner, where	
grant sail	Faunce Seur	+-+	6/1/2011	330/316	March percane EU					17 4 (MD			
Property and	Fermi tosa	-		2321466		OH DA KSMITH	rietry the						
WINGS!	FERRING LAND	+	6/1/7015 6/1/7015	2321458	BIAT Promos E EM	HIMER ING. 10	Harry Hulb			52 8 559		-	
Prancial	FRANCIS SHOP	-			Chymin Energy	HYMEX I/S 110	Henry Fact			\$2 8150 \$2 8600			
etentus.		+	6/L/2011	3123421	Philipper App Boss E	File	Transce Zane 6					-	
PUPEN T	Financial Boay	-	4/1/2015	3334183	Cydnamic Lambia	WEAC	Transco Zano 4			\$2 6300			
CALCON .	E Manpai Logg		6/1/2015	2336/33	BHLKONTREAL	WERE	Columbia Guil			12 7290		31101400	

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Francis	Frienda Detern	-							The state of the s	
(PATOM	Fesancial Colum	Put	HW3015		Lagrang Energy E	NAME THE FAR	Indina i July		62 //36 12 //36	(III) (100)
Francis	Emercial Option	TOTAL COST	1/14/20 15		Copped Energy E Margan Stanton &	MINES HOLID	Emerg Elab Holley Flab		12 1/120	2000
Ferancial	I stanced Cyben	PM	7/1/2015		Margan Stantes E	BY ME L MO L TO	deploy 1 h.b		17 7130	THE RESERVE TO SERVE THE PARTY OF THE PARTY
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(mangal	Ferencial Cylins	Cab	31477315		Mariel, president & C.M.	HERC	196my 16.6		t2 77m	
I manous	Financial Option	PM	Ingois Indois	3727518	BANCHTREAL BANCHTREAL	NIMEX NG LIG	Francy Pub		12 1730 12 1730	CONTRACTOR OF THE PERSON NAMED IN COLUMN 1
Financial	February Cates	Cit	Prigais	3227531	Hank purcone EU	HANEK IN CID	framey Hub		17 1/10	SANTANIA SANTANIA
f-sharecast	Financial Option	Field	7/17/2015	3723525	Mariel, participan E.C.M.	HYMEN HELLIN	Place   Place		17 7/19	
Financial	Fit and all Option	Cat	2/1/2015	3221147	J'Morgan Chase Sank E	VENC	Traveco Zone 4		12 7 800	
Empressi	Forgered Cytes	Put	2/1/2/1/3	3221767	JPHr-parChese Bass &	MENC	Transm Zone 4		1,2 /1000	
Financial .	Fateroal Option	EM	Fr1/2813		BRAICHIREAL	# ERC	Princip Hub		52 7700	
Emprepa!	Ferningel Cities	Call	Zrirzaiš Zrirzaiš	3238363 3246498	BAMONIRCAL	IF LAIC IFERC	Printy Hub		8.7 7700	
1 818704*	Francis Option	PM	7/4/2015		Colymp Energy E Colymp Energy E	FERC	Henry Hub Henry Hub		\$2 7730 \$2 7730	
Federical	First and Octor	Cad	F/1/2015	3251386	BKINGHIREAL	FERE	Printer Plate		177/30	
Emancal	Firtangai Gahan	Put	7/1/7015	335 (3ME	BKMONTREAL	BERC	Stoney Hub		\$27730	THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO PERSON NAMED
1 stenest	Financial Dylam	Cat	1/1/2013	2284183	JP Life gamErress Bank E	IFERG	Phone Hub		\$2,7100	SEASON SE
FILLYON	First-coal Dotaris	Put	7/1/2C 15	3794163	J*MorganCrass Book E	FERC	Herey Hub		E2 770si	STATE OF THE PERSON NAMED IN COLUMN 1
Financial Financial	Financial Option  Financial Option	Cul Pul	3r1/2015		Margan Diantey E	PEAC	Herey Hab		\$2 1700	
Financial	Felancel Octon	Call	1/1/2015 7/1/2016		Margan Staney C	# £ RC	Pleity Hulb		17 1730	ED0075
Ferenzali	Francia Octor	Par	fricata		Copour Energy E Copour Energy E	WEAK WEAK	Honey High		\$2 7700 \$2 7700	
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Fearcus	Financial Dalign	Cal	77142818	3796153	Morgan Stanley E	MINEL HOLIO	Hew Indi		62 1730	
I METERNIA	Emencial Cetion	PM	7/1/2015	3268153	Drugay States E	HTM(XIGGLYD	Homy Hult		12 7730	
manous	Financial Ciston	Cal	711/2013	3101239	Marrie process E EM	NYWER HOLID	Protey Hills		82 7730	
Firencial -	Financial Option	Pat	hugeis	3301233	HARL PURCOME LIN	NI WEA NO LIG	Henry Hub		27 7730	DESCRIPTION OF THE PERSON OF T
To ancial	Ferencial Dyson Ferencial Dyson	Cat	7/1/2015	330+154 3354154	Management Baret 5.30 Management Baret 5.30	HIMEANGEID HIMEANGEID	Interrig Hule		17 1730	
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Farancial	Financial Option	Call	7/47015	1317102	Many on Staning E	MINER HOLID	Henry 14,0		12 1730	CONTRACTOR OF THE PARTY OF THE
diament	French Osien	Put	14865312	3112122	Mary on Standary E	MYMELHOLID	Herey Hub		12 7730	
FIRMORE	Financial Oylun	Cell	1/1/2015	3312024	BRADHINGAL	NTHE ANGLID	Charvy Field		12 7730	CATE MADE
Francis	Francial Circon Francial Opens	CHI	7/1/2019 7/1/2015	3317024	BANONIMENT	STANGE NO.	Diging Pub		12 7730 37 7730	
MAPS A	Figure Cotage	Pul	trictes	3371874	Storie Bank Source Bank	HTMEK IND LIND	Henry Hub Henry Hub		12 1736	
Feuertal	Financial Option	Cul	7/1/2015	1337103	Sone Best	MINICA HIGUND	Person Hub		12,7730	
Parcial	Financial Cyties	Put	7/1/2015	3137133	Seets Sant	MINISTRA	Herry Hub		\$2 7/30	STATE OF THE PARTY
Panel P	Emanquel Option	Cat	21/2015	3229110	Margar Stanop t	EN A PARA SIANT	Horse Flat		\$2 7730	Control of the Contro
PARAM	Financial Option	N	3113C12	3328118	Margan Stanley E	HAMER NO FID	Honey Halls		52 7730	
Percui	Feneral Orten	Pul	1/1/2015 1/1/2015	3227967 3337997	BRINOHIREAL	HYMEN NO LID	Here's Flats		32 1/30 12 2/30	DESCRIPTION OF THE PERSON OF T
maricus	F mancasi Octore	East	1/1/2013	1334107	Menal Indicon EEU	BESIC BESIC	Physics Face 4		127900	
or pursual	Francial Option	Pul	Record	3334131	Marrie, prefection E EM	WERG	Transco Zone 4		43 7900	
PERMITTED IN	Femalesi Option	Cat	Z1102013	3336212	Management State (15)	FERC	Transes Zono 4		62 7600	THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO
ALTHOUGH	Friday Opton		3/16/2015	2336012	Macquire Bark Ltd	FERC	Transce Zono 4		12 1100	
mancasi	Festival Option	Cal	7/1/2015	3836275	BILLICHTREAL	HAMPEHO FID	Protest 14th		\$2.7733	
MATERIAL TO	Firential Option	Pat	7/1/2013	3336276 3223376	BUNCHIREAL	MART HOUSE	Planting 15-26		11773	
PARTICIAL T	Financial Swee	1	1112213	2771331	PhingarChee Bare E PhingarChine Serie E	ALBC .	Planty I No.		\$1 /100 12 /100	
nanear .	Emerical Logg		701/2015	2771311	Maryan Blancy 2	WERE.	Plenty I Lib		12 1100	DE LEASE LES TOURS DE LE SERVICE DE LE SERVI
Hartoni	Financia Best		7/1/2015	1271110	Horper Marky E	# ERC	Herry Isla		12 7 100	
MARCH	Februal Sices	-	M1/2019	3233424	Mond, pronCom E EM	FERT	Have Hills		52 7 fee	
Parent	/Atreot Loss	-	Tricket)	3223426	Macquarie Blank LLS	HERC	Herey Hub		12 7700	
nancial nancial	Financial Europ	-	2/1/2015 2/1/2015	3223/20	Marsh, prontom E LM	MERC	Planty Hab		13 7700	
PAREMI	First Sean		7/1/3015	1723432	JPU separChina Bank () Margan Stamoy E	FERC FERC	Herej Hub		12 7700 12 7710	
Ranguel	Financial Swep		1/1/2015	122343e	Margar Stading E	#ERC	Promp Hub Honey Hub		\$2 1700	TO SUPERIOR OF THE SUPERIOR OF
MARCHAI	Farancial Since		7/1/3013	3223475	Morpus Manage E	WERE	Persy I has		17 7700	
PARKET	Fennesi Sirap		I/L/2015	2223537	Morgan Stackey E	PEAC	Inevery Hutt		127700	
nanoul	Francis Loop	-	\$103017	3223541	Morgan Storage G	# CRC	Hurry Philip		65.5100	
rancel Factual	Francisco Boost	-	#11/2/015	3723504	PhinippiChase Nove &	294378	Freely Pub		£5 FF00	CONTRACTOR OF THE PARTY OF THE
Parcial Randal	FRANCIS Susp I mantai Susp	-	711/2015 711/2015	3223546 3223647	Rardays blant E	IFURC	Here the		12 7790	
P41-D6F	Financial Scop	-	711/2013	1271540	PhinpanChase Bana C.	WERC WENC	Princip Blab		La Flon	
NON	Forested Group	-	PINTERS	1273553	Bartleys Bank E	WENC .	Herry I has		13 7700	The second secon
ena nosali	mentral Entar		71 W70 15	3723567	Chand Sures had	SERC	Henry Elvo		12 1100	11=2/3/16/20 CASHAN
Elecate	I marcel \$ may	-	/11/281S	127 1363	Margue During E	WERC	PROTES Fluids		82 1700	
	f shanced Seeps	1	IAMBOTS.	3221842	Bertings Bank 6	MINIST NO LIGHT	4444 444		D 1130	THE RESERVE TO SERVE THE PARTY OF THE PARTY
etentual etentual	Françai Sapp	1	F21/2013	1771/44	Bercheys stone E	ULA CALLANA	Francy Fluid		13.000	THE RESIDENCE OF THE PERSON NAMED IN COLUMN 1997 IN

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Pigener Financia	Instrument	Patral	Para	Tople	Ceutingoria	Hattl	Litera	125.71	Largens	taraway bandu	farmints:	A tay For miet	-
A STATE OF THE PERSON NAMED IN				flar lare			Lichan	1227	(\$12.54)	1414 - 012 DE DA	William State Berlin	tu-	* 14
Ferancial	Financial Surge Financial Surge	+	771/2015	2274318	Condt Sunso Inti	HYMER HOT ID	Horey Fluis			62 7730			
f manager	Ferencial Surge	-	31 Mages	1221770	Margan Staway C	NAMES HOT ID	Honey Itale			\$2 1130			
Exercial		1	7/1/2013	3124259	Barciero Bart E	NUMER HOUSE	Henry Hate			12 1130			
	Emercul Swap	-	315/3015	3234333	Bardleys Gook E	MINET HOLD	Henry Hall			\$2 1730			
financet:	Francis Sage	-	7º MZGTS	3224243	Margan Starmy E	HIMET HOTIO	Henry Hub			127720			
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Feuresi	Forested Errop		721/2015	3774710	PhingerChase Besk 6	IF CHC	CGI			13 / 100			
FEATON	f percent fires		7/12/2015	3374783	Barcings Book 5	IFERC.	CGI			12 7 900			
Fesaresal	Francial Emag	10 20	21172015	3724338	Bermys Burn E	UFERC	Cut			12 / 100		-	
Februar	Fourcal Seat		2/1/2015	3274351	Phogenitiess Bare E	SERC	103			12 Tion		WHEN SHARE SPECIAL	
Entangial	4 manual Smatr		3/1/2015	3774384	PWeigerChain Bask (	O LINC	601			52 /100		March 1987 (1987)	
Empress?	4 mancral Swag		3/1/2015	3224508	Margan Stanley E	WENC	CGI			37 7106		-	
(Right of	Fitançai Seas	1	711/7011	32245C9	Margan Station E	WERG	(0)			22 7 100			
Emercui	Financial Supp	1	E/1/2014	527-aeca	Creat Suspens	BERC	LSI						
Benanga:	Francia Sant	-	1/1/2015	3224618	J'Um partirese Bont E	WERE				52 FEGS		and the same of the same of	
Lenguar	FRANCIS SAME	-	3/1/7015	322 0620			CG1			32 7 600			
I puncial	Emancies Eman	-	7/1/7015	3274628	Coppens (recycle	HERC	tor			82 F100			
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Financial	Course I van	-		7234640	Management Springer	# ERC	CGI			\$27100			
Fransai	Federal Late	1	1/1/2015	2224676	Sarciago Stath I.	SERC	cat			12 7100			
The second secon	The second secon	-	145/2015	3224961	PhingerChair Bass (	SEAC	CGT			62 7100			
Estangel	Entencial Swap		7/6/7015	1274682	City out Energy 6	WERC	CG1			82 7100			
FIFTHOM	Francis Souge		4/1/2516	3224603	J*MargarChave Boss E	IF AC	CGT			67 /100		-	
Felancial	Embrical Swap		7/1/2015	2274884	Marcel, purplam & CM	FEAC	COT			327100			
Evancies	Francist Guer		Patrages	2224095	Principalitiese Bask I	SINC	cor			32 7180			
# eranssel	Emanaged Strape		7/4/2015	3224687	Manuscon Bass 214	#ERC	COL			17 7100		NAME OF TAXABLE PARTY.	
Financial	Fatencial Swee	1	2(12215	3224107	Credit Summe trill	SERC	CGI			52 7100			
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f manual	Fernance Swan	-	7/1/2015	3274676	JPESon par Chang Bana F	MENC	Townson Zone 6			\$27 FB003		-	
		1	311/2015	3224814	VerdLyn./Earn & EM	WERC	Transco Zone 4			33 1903			
f grantial	Ferinad Sung	-	7197015	3774815	Margan Staring E	SFERC	Transco Zana 4			\$2 1900			
Emeranal .	Emercul Sesa	-	11113017	3374318	Margan Starany E	FERC	Transce Zane 4			\$2 1100			
NPOH .	Financial Siega		MICEIL	3224819	Cogning Energy E	REAC	Transce Zano 4			\$5 (400)			
Fera magi	Financial Susp		31172915	2224421	PhilippinChits Base E	IF ERC	Transco Zone 4			\$7 1900			
EPIANCIAL	Ferancial Swap		7/1/2815	3234823	Crott forete tell	MENC	Estate (m. Zana 4			12 June			
Fernou	Emercial Birsh		7/1/2015	3224975	Companitrary E	# ERC	Transcen Jane 8			62 1900			
Enancial	Ferential Swall		JH12815	3224321	Contt States to brit	FEAC	Transce Zone 4			12 1800			
Ferances*	Fener coal Sursu		7/1/2015	2725044	Margan Stanary E	MERC	Eranson Zone 4			\$2,7900			
Emercial	Fandmant Europ		7m/2018	3225060	al'Un partitures Barn (	FIRC	(cs)			5.7 1 100		THE PERSON NAMED IN	
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Employ:	Fenancial Swap	1	1/1/2015	3236557	Mand. pushCom & EM	#EMC	Transactions 4			12 75cm			
Energel	Fernancial Suras		7/1/2015	3221340	BUILDHIMA	JINC							
February 1	Colombial Sunsy	-	7/1/2013	2201750	JPM or partitions a Bank h		Havey 1149			12 77cs		-	
Ematosi	Francial Cotts	-				WENC	100			32 7 100			
Fernal	Francy Sage	<b>1</b> ŀ	7/12/615	3343744	Mediguarre Bank ESF	FERC	Tearage Zane 4			32 7500			
			PATAORE	1204413	Manquarin Bank Ltd	WERE	Transcon Zarra 4			87 70m2			
financal	Ference Links	-	111/2/215	3200344	Crown Emily E	HEAD	Fantop Zano 4			12 7100			
Ference	Festivani Sage		3/1/2015	3294806	Macquipe Back (23	H EAC	Transco Zum 4			\$2.7900			
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# DEF #2 Oil Hedging Status CONFIDENTIAL

Physical Financial	testrument	Menth	Trase	Counterparty	Hart	Location	Volume   Saltans)	Fired Price (1251:lans)	Market Scan fila Average (MSettens)	Backings/Cost on Hedge	Ficinal Projected Burns	Schedged
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Financial	FOLED SWAP	2/1/2015 2/1/2015 Total	3260085	JPMergerChave Bank E	Gulfcoatt Pige ULSD	Gulf Coast Province			\$1.0127		1,364,034	
Financial	FIXED SWAP	3/1/2015 3/1/2015 Total	3280065	JPMorganChase Bank E	Gulkmani P. pr. ULSO	Gulf Coast Popular			£1 7100		221413	
Financial	FIXED SWAP	4/1/2015 4/1/2015 Tetal		JPMorganChasa Bank E	Guiterast Pay LESD	Gell Coast Portice			\$1.7771		375.396	
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#### DEF Gas Storage Hodging Status CONFIDENTIAL

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# DEF Coal Transportation Hedging Status - Barge CONFIDENTIAL

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Physical Instrument Worth Lindow Counterparty East) Location Volume (SWIP) Philoder (SWIP) Market Settlement (SWIP) Marke		Martinas, \$100'line
Financial   FIXED SWAP   MX015   3283754   Macquirine Blank Ltd   Guilloosis Pipe ULSD   Guill Coast Pipe Inc.	Exposure Fadged Expo	tenated Total % Est
FIXED SWAP   1/1/2015   3284270   Morgan Stanley E   Guilcoast Pipe LESD   Guil Coast Pipeline   \$1 5378		
FIXED SWAP   2/1/2015   3283754   Macquane Bank Ltd   Guilcoast Pipe IXISD   Guilt Ceast Pipeline   \$1.027	hallman and the state of the st	
Financial   FIXED SWAP   2/1/2015   3284226   Margani Stante   E   Guilcoast Pipe ULSD   Guil Coast Pipe line   \$1 8127	\$4) 542	41 542
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FINANCIAL FIXED SWAP 311/2015 3283754 Macquaire Bank Ltd. Gullorast Pipe UILSD. Gull Coast Pipeline \$1.7100		
31/HD	\$73.940	73.940
37x7815 Total	570 206	70 206
FINANCIA FINED SWAP 4/1/4015 3284220 Morgan Startey E Guillostast Pipe ULSD Guill Coast Pipeline \$1,7771		
FIRED SWARP 4/1/2015 3269877 BP EMITTY CO F EM Guttoall Poe IA SD Carl Cost Poetre 317779		, market and a second state of the second stat
4/4/015 Total	\$37,905	37,905
Firtuncial FIXED SWAP 5/1/2016 3784228 Morgan Stanley E Gulfcoast Pipe ULSD Gulf Coast Pipelina \$1,9176		
FIXED SWARD 5192016 3200977 BP Leavyy Co E FAM Guitzness Pape LLSD Guit Coast Papers \$1 9170		
5/1/2015 Total	522 687	22 687
Financial FLIXED SWAP 6/1/2015 1284226 Morgan Stanley E Guttoast Pipe ULSD Gut Coast Pipeline \$1 8016		
FINANCIA FIXED SWAP 6/1/2015 3209977 RP Sherpy CB E EM Guittnast Pre- U. SD Guit Coest Pipeline 81 8016		
6/1/2015 Total	517.576	17.576
FIRED SWAP 7/1/2015 3284917 HP Energy Co E EM Guillegest Pipe UL SD Gut Coast Papeline \$16164		
FINED SWAP 7HQ815 3284978 BP FRONT CO E EM GUÍCOAN PRO ULSO GUÍCOAN PRO LA STATION STA		
7/1/2015 Total	530 516	10 616

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# Work Paper 30

30: Actual Hedging Goals vs Hedging Results (entire document)

30/1: Hedged Exposure (entire document)

Risk Management Plan Page I

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# Duke Energy Florida, Inc. Risk Management Plan for Fuel Procurement and Wholesale Power Purchases For 2015

Duke Energy Florida, Inc. (DEF) is submitting its 2015 Risk Management Plan for review by the Florida Public Service Commission. The Risk Management Plan includes the required items as outlined in Attachment A of Order No. PSC-02-1484-FOF-El and specifically items 1 through 9, and items 13 through 15 as set forth in Exhibit TFB-4 to the prefiled testimony of Todd F. Bohrmann in Docket No. 011605-El and further clarified in Order No. PSC-08-0667-PAA-El of Docket No. 080001-El.

Several groups play key roles in the management, monitoring, and execution of the activities outlined in DEF's Risk Management Plan. These groups include Fuels and System Optimization (FSO), Global Risk Management (GRM), which includes Enterprise and Regulated Risk and Credit (Risk Management), Regulated Accounting, In ternal Audit, Legal, and Information Technology. The activities supported by these groups include the following: procuring competitively priced fuel, performing active asset optimization and portfolio management, executing DEF's hedging strategy, monitoring and reporting against established oversight limits for credit and margin limits, performing credit evaluations and monitoring credit and default exposure, performing deal validation, volume actualization, preparing and reviewing transactions and contracts, preparing journal entries to account for fuel and power related activities, performing billing and payments under the various fuel and purchased power contracts, performing audits, and maintaining and supporting needed systems to capture, track, and account for these activities.

Based on the July 2014 Fuels and Operations Forecast (FOF), DEF's estimated fuel consumption and economy transaction projections for 2015 are as follows:

#### Coal

Based on current projections, DEF forecasts to burn approximately tons of coal in 2015. DEF's forecasted coal requirements for 2015 will primarily be purchased under term coal supply agreements. The coal supply will be delivered to DEF's plants via railroad and barge transportation agreements. Spot purchases will be made as needed to supplement the term purchases.

#### Light Oil

Based on current projections, DEF forecasts to burn approximately parrels of light oil in 2015. DEF's forecasted light fuel oil requirements



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Risk Management Plan Page 2

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for 2015 are expected to be purchased primarily under term supply agreements with volume flexibility at indexed market prices. Spot market purchases will be made as needed to supplement term purchases.

#### **Natural Gas**

Based on current projections, DEF forecasts to burn approximately of natural gas in 2015, comprised of approximately at DEF's generating plants and at gas-tolling purchased power facilities where DEF has the responsibility to provide the natural gas. DEF's forecasted natural gas requirements for 2015 are expected to be purchased primarily under term supply agreements based on market index pricing, with supplemental seasonal, monthly and daily purchases of natural gas being made as needed.

**Economy Power Purchases and Sales** 

Based on current projections, DEF forecasts to purchase approximately MWhs of economy power and self approximately MWhs of economy power in 2015. DEF actively seeks to purchase and self economy power as opportunities arise based on market prices, dispatch costs, and available transmission capacity.

Item 1. <u>identify the company's overall quantitative and qualitative Risk</u>
<u>Management Plan Objectives.</u>

DEF's identified 2015 Risk Management Plan Objectives are to effectively manage its overall fuel and purchased power costs for its customers by engaging in competitive fuel procurement practices and activities, performing active asset optimization and portfolio management activities, and continuing to execute the company's hedging program to reduce price risk and provide greater cost certainty for DEF's customers. These items are discussed further in Item 8.

Item 2. Identify the minimum quantity of fuel to be hedged and the activities to be executed during the remainder of 2014 and during 2015

DEF utilizes a phased hedging program where hedge transactions are executed over time with the objective of reducing price risk and providing greater cost certainty for DEF's customers. The hedging program includes executing approved agreements over time for natural gas and light fuel oil usage for generation fuel, and coal rail and river transportation fuel surcharges. Natural gas hedging activity represents the largest component of

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# DEF 2015 dging Audit. Docket # 150001; AC 15-051-2-1

Risk Management Plan Page 3

CONFIDENTIAL (

DEF's hedging program as natural gas represents the largest fuel cost component of DEF's overall generation fuel costs.

The volumes hedged over time represent a portion of DEF's forecasted burns with higher hedging target ranges in the near term and lower hedging target ranges in the outer period. The hedge percentage target ranges outlined provide a framework for consistently executing the layered hedging strategy over time. DEF cannot predict future prices and DEF's hedging program does not involve speculation or trying to "out-guess" the market. All hedges are executed at the prevailing market price for any given period that exists at the time the hedging transactions are executed. The results of hedging activities may or may not result in net fuel cost savings due to differences between the monthly settlement prices and the actual hedge price of the transactions that were executed over time. The volumes hedged for each fuel type over time are based on periodic updated fuel forecasts and the actual hedge percentages for any month, rolling period, or calendar annual period may come in higher or lower than the target minimum hedge percentages and hedging ranges because of actual fuel burns versus forecasted fuel burns. Actual burns can deviate from forecasted burns because of dynamic variables such as weather, unforeseen unit outages, actual load, and changing fuel prices. DEF's multi-year approach to executing fixed price transactions over time is a reasonable and prudent approach to reduce price risk and provide greater cost certainty for DEF's customers.

Outlined below for each fuel type and exposure are the targeted minimum hedge percentages to be hedged for the remainder of 2014 and 2015:

#### Natural Gas

Natural gas represents DEF's largest fuel cost component and represents the largest component of DEF's hedging activities. DEF plans to continue to execute its existing phased hedging program over a rolling 36-month period through time for natural gas through the remainder of 2014 and during 2015. The currently approved rolling hedge percentage that are outlined in DEF's Regulated Utilities Risk Limits as follows:



DEF will target to hedge a minimum of and and of forecasted natural gas burns for the rolling 36-month time period through time, respectively, during the remainder of 2014 and 2015. Given DEF's hedging strategy, DEF will continue to participate in the spot natural gas market for a portion of its estimated natural gas needs.

DEF 2014 | dging Audit. Docket # 150001; AC | .5-051-2-1

Risk Management Plan Page 4

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#### Light Oil

With respect to light oil forecasted to be burned at DEF's owned generation facilities for calendar year 2015, during the balance of 2014 and 2015, DEF will target to hedge a minimum of the forecasted light oil burns.

#### Coal Rail and River Transportation Fuel Surcharges

During the balance of 2014 and during 2015, with respect to coal river and rail transportation estimated fuel surcharge exposure, DEF will target to hedge between to the coal of the estimated fuel surcharge exposure for calendar year 2015.

#### Summary

Through the remainder of 2014 and during 2015,DEF will continue to monitor its fuel forecast and will continue to execute hedges over time to attempt to manage to the hedge percentage targets outlined for a portion of its projected burns for natural gas, light oil, and estimated coal rail and river transportation fuel surcharge exposure. This hedging approach is consistent with DEF's existing strategy and allows DEF to continue to monitor the market and fuel forecast updates. The hedging targets for each of the respective periods are included in DEF's Regulated Utilities Risk Limits in Attachment A.

# Item 3. <u>Identify and quantify each risk, general and specific, that the utility may encounter with its fuel procurement.</u>

DEF has identified specific and general risks associated with the procurement of fuels and power optimization activities. The specific risks include fuel price risk, supplier performance and default risk, liquidity risk, credit risk, product availability risk, and changes in forecasted volumes. The general risks include weather related events such as hurricanes, extreme weather variations from forecast, business continuity, and changes in environmental rules and regulations. Described below are the specific and general risks and DEF's activities to manage overall exposure to these risks. In addition, the processes that DEF has in place to monitor and quantify these risks are also described.

#### Fuel Price Risk

DEF's customers are exposed to the risk of fuel price movements, which could result in significant variability in projected and actual fuel costs. For natural gas and light oil, the physical fuel is procured under standard industry contracts that are based on published market index pricing that exists during the time periods the fuel is delivered. The published market index prices paid by DEF for these fuels will fluctuate with daily changes in market prices until the respective first of the month market index or daily-published market index price settles and the product is delivered. For coal, DEF executes standard

# Work Paper 45

45: Reconciliation of Tolling Cost- Shady Hills Tolling Charges (entire document)

45-1: Documentation Supporting Tolling Cost for October 2014-Shady Hills Invoice (entire document)

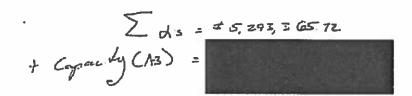
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PROGRESS ENERGY PLURIDA, INC. SCHEDULE AT

Purchased power Exclusive of Economy Purchases For the Month of September, 2014

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45-2: Documentation Supporting Tolling Cost Shady Hills Invoice (2 pages-entire document)

#### DEF 2015 dging Audit. Docket # 150001; AC 5-051-2-1

PROGRESS ENERGY FLORIDA INC SCHEDULE AT PURCHASED POWER EXCLUSIVE OF ECONOMY PURCHASES FOR THE MONTH OF MARCH, 2015

PURCHASED FROM	(2) Type A Schedule	(3) TOTAL KWH PURCHASED (000)	(4) KWH FOR UTILITIES (000)	КУУН	KWH FDR F.RM (000)	FUEL COST CAKWH	(B) TOTAL COST CACVIA	(9) TOTAL AACUNT FOR FUEL ACU \$	(10) FUEL COST S
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ACTUAL									701
Calpine Construction Pleance Company, L.P., Stady Hills Power Company, LLC Southern Company Services, Inc Southern Company Services, Inc Vandolan Power Co. LLC (Norman Star)	TOLL TOLL Frankle Scherer3 TOLL	177,776.00 6,522.00 125,794.00 1,660.00			(77,778 00 8 522 00 125,796 00	7 03 3.00	702	8,947,326,51 457,843 69 3,778,136,14 253,549,69	6 847,328.51 cA 457.943.80 3 776,138 14 283,685.89
ADJUSTMENTS									
Vandolah Power Ca: LLC (Northern Star) Shady Hits Power Company, LLC Southern Company Services, Inc Southern Company Services, Inc Calpine Compruction Finance Company, L.P.	TOLL TOLL Scherars Franklin TOLL	4,800,00 (1.00)			667 00 4 909 00 (1.00	2.20	2.24	(876.191,22 (289,568 41 1 10,003 63	CE (476,191.22)
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Byety



45-3: Exhibit A-Capacity Price (entire document)

45-3: Exhibit B-VOM Price (entire document)

45-3: Exhibit C-Start Fee

(entire document)

Page 3 and page 6

45-3: Exhibit D-Calculation of Actual Equivalent Availability (entire document)

Page 4 and page 7

45-3: Exhibit E-Calculation of the Availability Rebate (entire document)

Page 5 and page 8

45-3: Exhibit F-Performance Information (entire document)

45-3: Exhibit G-Operational Limitations

(2 Pages –entire document)

45-3: Exhibit H-Notices (entire document)

45-3: Exhibit I-Insurance (3 Pages –entire document)

45-3: Exhibit J-Fuel Oil Specifications (entire document)

45-3: Exhibit K-Guaranty Agreement (5 Pages –entire document)

45-3: Exhibit L-Demonstrated Capacity Adjustment Factors (entire document)

# Work Paper 46

46: Regulated Fuels Inventory Management Process – Segregation of Duties

(Page 1 and page 2-entire document)

46: DEP, DEF, and DEC 2014 Regulated Trading Cycle
Pages 3 through 6-entire document

46-1-Business and Work Flow Narrative 2014

(Pages 1 through 11-entire document (page 1 numbered twice)

# Work Paper 47



Docket No. 150001-El ACN-15-051-2-1

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No.	Month	Ref	Z Key	Counterparty	Market	Savings/Co st on Hedge	
1	8/1/2014	47-1 p.11	2407840	DEU#	IFERC		A
2	8/1/2014	47-1 p.21	2451053	BAR#	IFERC		В
3	8/1/2014	47-1 p.30	2469682	CSEL	IFERC		С
4	9/1/2014	47-2 p.11	2304876	JPMC#	IFERC		٥
5	9/1/2014	47-2 p.20	2334877	CSEL	IFERC		E
6	9/1/2014	47-2 p.28	2348641	JPMC#	IFERC		F
7	10/1/2014	47-3 p.9	2209448	MLC	IFERC		G
8	10/1/2014	Missing	2220246	JPMC#	IFERC		н
9	10/1/2014	47-3 p.15	2244171	MSCG	IFERC		1
10	11/1/2014	47-4 p.10	2348643	JPMC#	IFERC		J
11	11/1/2014	47-4 p.19	2372750	BAR#	IFERC		к
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No.	Month	Ref	Trade Number	Counterparty	Market	Savings/Cos f on Hedge	
12	1/1/2015	47-5 p.16	3226688	BKMONTREAL	IFERC		Ł
13	<u>x</u>						
	1/1/2015	47-5 p.17	3226756	BKMONTREAL	IFERC		М
14	1/1/2015 3/1/2015	47-5 p.17 47-6 p.10	3226756 3223823	BKMONTREAL Barclays Bank E	IFERC NYMEX NG L1D		M N
14	3/1/2015	47-6 p.10	3223823	Barclays Bank E	NYMEX NG L1D		N
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14 15 16	3/1/2015 3/1/2015 4/1/2015	47-6 p.10 47-6 p.16 47-7 p.12	3223823 3223932 3223537	Barclays Bank E Citigroup Energy E Morgan Stanley E	NYMEX NG L1D NYMEX NG L1D IFERC		N O P
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Financial	FIXED FINANCIAL OFTION	PUT	MW2014	129/2011	\$4.47	3602054	JPNCI	MYMEX	NG		83 8080	TURNES NO.
Figuresi	FIXED FIXANCIAL OPTION	CALL	8/1/2014	WI62012	\$4.36	2512606	(LAPL)	NYMEX	NO		\$23,8580	THE REAL PROPERTY.
Frencel	FIXED FINANCIAL OPTION	PUT	B/1/2014	1/10/2018	14.29	3513808	BARI	MANUEL	NG		\$3,3686	
Financial	PUIED FINANCIAL OFTION	CALL	8/1/2014	W1/2012	\$3.90	3523379	MSCG	MYMEX	NG .		123 8090	THE RESERVE OF THE PARTY OF THE
Financial	FIXED FINANCIAL OPTION	PLIT	B/1/2014	2/1/2012	[3 95	3973378	MSCG	NYMEX	NG		23,8080	SEASE SAL
Financial	FIXED FINANCIAL OPTION	CALL	B/1/2014	2/27/2012	\$4.08	3933963	CSG.	NYMEX	NG		\$3,8000	STATE OF THE PARTY.
Financial	FIXED FINANCIAL OPTION	PUT	#1/2014	2/27/2012	\$4 05	3633853	CSQ.	NYMEX	NG _		\$3,9080	STATE OF STATE
Figuresial	PIXED FINANCIAL OFTION	CALL	<b>31/2014</b>	3/7/2012	\$3.60	3530684	CITIA	NYMEX	NG		\$3 9040	
Fearcal	FIXED FINANCIAL OPTION	PUT	811/2014	3/7/2012	\$3.80	3538684	CITH	HYMEX	NG		\$3 8580	
Ficancial	FIXED FINANCIAL OFTION	CALL	W1/2914	3/30/2012	\$3.94	3661675	BARI	IFERC	TFR48Z4		\$3,8000	THE REAL PROPERTY.
Franciel	FORED PANANCIAL OPTION	PUT	8/1/2014	3/30/2012	\$394	3951075	BARE	PERC	TRNSZ4		\$3,8000	
Financial	FIXED FINANCIAL OPTION	CALL	8/1/2014	41 V2012	\$3.86	3581767	JPMCF	IFERC	TPM5Z4		\$3,8000	THE RESERVE
Financial	FIXED FWANCIAL OPTION	PUT	WW2014	411/2012	\$3.66	3681797	JPUCI	IFERC	TRMSZ4		\$23 80000	THE RESERVE TO SERVE
Financel	FIXED FINANCIAL OPTION	CALL	B/1/2014	417/2012	\$3.75	3584186	JPVCI	IPERC	TRINSIZA		0008 62	VENCE IN
Finançat	FIXED FINANCIAL OFTION	PUT	01V2014	417/2012	83.75	3584196	JPMCI	IFERC	TRM\$Z4		\$3,0000	
Financial	RIXED FINANCIAL OPTION	CALL	Ø1/2014	443/2012	\$3.68	3594973	CSEL	IFERC	TRN\$24		\$3,8000	The Control of the Co
Firancial	RICED FINANCIAL OPTION	PUT	0/1/2914	423/2012	\$3.60	3586973	C-SEL	IPERC	TRASZ4		\$3,8000	Will SHEET TO
Francel	FIXED FINANCIAL OFTION	CALL	8/1/2014	\$/10/2012	\$3.97	3601623	USC0	IFERC	TRHE24		\$3 8000	
nancial	PIXED FINANCIAL OPTION	PUT	8 V2014	5/10/2012	\$3.97	3601623	MSCG	IFERC	TRHSZA		\$3,000	
Prancial	FIXED FINANCIAL OPTION	CALL	8/1/2014	\$243011	\$3.09	3600566	JPMC1	IFERC	TRHS24		\$3,0000	
Francai	FORED FINANCIAL OPTION	PUT	81/2014	5/242012	33 89	3606505	JPMCI	IFERC	TRM\$24		\$3 9000	CHECK!
inancial	FIXED FINANCIAL OFTION	CALL	8rt/2014	B11/2012	\$374	3821731	JPMC8	FERC	TRNS24		\$3,8000	STATE OF THE OWNER, TH
Fearcial	FIXED FINANCIAL OFTION	PUT	8/1/2014	8711/9012	\$3.74	3823731	JPMCs	IFERD	TRNSZ4		\$3 8000	INCOME.
Financial	FIXED FINANCIAL OPTION	CALL	B/1/2014	7711/2012	\$3.96	3636236	MSCO	IFERC	TANSIZA		\$3 8000	
Transfel	FIXED FINANCIAL OFTION	PUT	6/1/2014	7/11/2012	\$3.08	3639236	MICO	IFERC	TPINEZA		\$3,0000	
inancial	FIXED FINANCIAL DIFTION	CALL	8/1/2014	7/31/2012	\$4.09	3654832	BARI	IFERG	TRMS24		0008.22	
التويية	FIXED FINANCIAL OPTION	PUT	W1/2014	7/31/2012	\$4.09	3864832	BAR	IFEAC	TRNSZA		23 8960	SHE LINE AND
Praecial	FIXED FINANCIAL OPTION	CALL	8/1/2014	8/24/2012	\$2,64	3878461	JPMC#	IFERC	TRMSZ4		83.8000	- Section of
in proper l	FIXED FINANCIAL OPTION	PUT	8/1/2014	824/2012	\$3.64	3876451	JPMC#	IFERC	TRINSZA		\$3,8000	
inencial	FIXED FINANCIAL OPTION	CALL	<b>6/1/2014</b>	10/8/2012	8421	3736713	City	IFEAC	TFMSZ4		83 8000	12 50
CARCIN	FIXED FINANCIAL OPTION	PUT	8/1/2014	16/9/2012	5421	3736713	catu	IPERC	TRM\$Z4		53.8000	5-5-8-5
FARD4"	FIXED SWAP		8/1/2014	7/6/2007	56 90	2125545	JPUCA	IFEAC	HATIO		\$3,8100	THE PARTY OF
varcel	FIXED SWAP		BY1/2014	7/11/2007	\$6.87	2130437	DEUM	IFERC	HHUD		\$3,6100	- S 15 6 5
inencial	FUED SWAP		8/1/2014	7/15/2007	37 07	2140343	OEUs	IFERC	HEIS		53 6100	
Feerclei	FIXED SWAP		B/1/2014	6147007	\$7.10	2166112	CSEL	WERC	HAUS		\$3.6100	NY TOTAL OF THE

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7.		Description I	E 871/2914	8/28/2007	28.87	2101916	MLC	I IRERC	19103		83.8100	
77	Finencial	FIXED SWAP	8/1/2014	8/12/2007	\$7.20	2194809	MLC	IFERC	14HUB		\$3.8100	
_	Financial	PIXED SWAP	8/1/29/4	9/25/2007	\$7.01	2209444	MLC	IPERC	HAUB		\$3.8100	
NO.	Financial	FIXED SWAP	8/1/2014	10/1/2007	\$4.97	2220244	JPMCI	IPERC	HHUS		33 B100	
우	Financial	FIXED SWAP	8/1/2014	10/19/2007	57.19	2244109	MSCO	IFERC	HHUÐ		\$3 8190	
- NJ	Financial	PIXED SWAP	9/1/2814	11/1/2007	57.26	2202100	MSCG	IFERG	STATE OF THE STATE		\$3 8100	
	Financia1	FIXED SWAP	8/1/2914	12/10/2007	\$7,67	2287528	CSEL	IFERG	粉似器		\$3,8100	
Z	Finencial	POXED SWAP	8/1/2014	12/37/2007	\$8.63	2290925	OFUE	SPERIC	let/JB		53 8100	
	Financial	PIXED SWAP	6/1/2014	1/9/2008	\$7,88	2304875	PLICE	FERC	BUNN		\$3 9100	
	Financial	FIXED SWAP	B1/2414	2/13/2008	59,10	2334876	CSEL	SFERC	HHUS		\$3,8100	
100	Financial	FIXED SWAP	8/1/2014	2/29/2006	973	2348640	JPMC4	<b>UFERC</b>	HHUS		\$3 8100	
喜	Financial	PIXED SWAP	2/1/2014	4/2/2008	39.91	Z3/2/43	BARP	LFERC	HHIUB		\$3.8108	
	Financial	FIXED SWAP	8/1/2014	4/25/2009	SI 90	2407940	OEU#	IFERC	HEHUB	i	\$3 8100 A S	
<b>7</b>	Friencial	FIXED SWAP	8/1/2014	6/12/2009	\$10.54	2451853	BARE	IFERG	HEHUÑ		53 8100 전략	
100	Francial	FIXED SWAP	9/1/2014	7/11/2008	3 to 16	2487682	CSEL	IFERC	HARLES		\$3,8100 (2.73	
9	Financial	FIXED SWAP	8/1/2014	10/21/2005	57.48	2579414	BARE	IFERC	HEHLER		\$3.8100	
47	Pleargial		6/1/2014	12/2/2008	27 50	2622631	BARA	HYMEX	NG		\$3.868.0	
	Figureial	FIXED SWAP	8/1/2014	1/15/2008	\$7.05	2815334	JPACI	MYMEX	HQ		\$3,9030	
_0	Financial	FIXED SWAP	8//2014	11/1/2011	71 83	3475430	CSEL	NYMEX	NG		\$3,8060	
Z	Financial	FIXED SWAP	2/1/2014	11/3/2011	\$4,57	3477410	BARE	NYMEX	NG		\$3,8060	
쓩	Financial	FIXED 5WAP	8/1/2014	11/7/2011	\$4.82	3479631	CSEL	NYMEX	NG		\$3 8080	
cket	Financial	PIXEO SWAP	W16014	11/10/2011	54.71	3448864	BARI	NYMEX	NG		\$3,8080	
0	Financial	FIXED SWAP	8/1/2014	11/15/2011	34.84	3/90964	MSCO	NYMEX	CN		\$3.9000	
Õ	Financisi		8/1/2014	11/13/2011	\$4.50	3493031	BARI	HYMEX	NO		53,8080	
	Financial	FIXED SWAP	9/1/2014	12/5/2011	\$4.54	3500348	BARI	NYMEX	NG		\$3,8080	
اند	Financial	FIXED SWAP	81/2014	12/14/2011	94.36	3503415	DENI	NYMEX	NG		\$3 1000	
dit	Financial	FIXED SWAP	8/1/2014	1/24/2012	\$3.99	3520549	MSCG	NYMEX	NG		\$3,6000	
- <b>=</b> .	Financial	FOXED SWAP	Ø1/3014	1/30/2012	83.89	3\$27714	CSEL	NYMEX	NG		13 8000	
₹ :	Financial	FIXED SWAP	8/1/2014	2/22/2012	\$4,17	2531477	BARI	NYMEX	NB	İ	53 3080	
DJD.	Financial	FIXED SWAP	81/2014	3,75015	\$3.95	3536454	BARI	IFERG	HHUB		\$3.5100	
gin	Pinancial	FIXED SWAP	0/1/2014	2/16/2012	23.90	35429.04	JPMCJ	IFERC .	19100		\$3.9100	
<u>- 50</u>	Featroil	FIXED SWAP	9/1/2014	3/27/2012	13.00	3547126	JPMCI	FEAC	HHUB		\$3.8100	
7	Financial		B/U2014	\$/17/2012	\$3.96	3605237	Citie	XSMYN	NG		\$3.0000	
59	Financial	FIXED SWAP	8/1/2014	B/1/2012	\$3,77	3612073	CSEL	HYMEX	DIK		\$3,8080	
	Financial	FOXED SWAP	B1/2014	7/5/2012	\$3 69	3635485	CSEL	IFERC	MARKE		\$3,7200	
10	Financial	FOXED SWAP	M1/2014		13.19	3543164	MACDE	IFERC	JAMELN .		\$1,7200	
=======================================	Financia <sup>†</sup>	FIXED SWAP	W1/2014	0/7/2012	\$7.84	3664489	JPMCs	FERC	ALAINLIN		\$17200	
20	Financial	FOXED SWAP	# N2014		\$3.87	3657765	JPNGs	FERG	MAINLN		\$3 7200	
[2]	Pleantie!	FIXED SWAP	8/1/2014	M/20/2012	53.64	3483583	CSEL	FERC	HAIREN		\$3 7200	
团	Financial	FIXED SWAP		9/9/2012	\$3.74	3496925	CSEL	FERC	IZAINILN		\$3.7200	
四	Financial	FIXED SWAP	2/12014 2/12014	B/17/2012	23.86	3704572	MSCG	FERC	MAINUN		\$3.7200	
	Finencial	FIXED SWAP		10/23/2012		3749642	CSEL	FERC	MAINLY		13 7200	
	Financial	FIXED SWAP	8/10014		\$4.18	3785645	BARA	IFERC	MAINEN		\$3,7200	
	Financial	PIXED SWAP	8/1/2014	11/7/2012	\$4.00	3163663	I DAM	N EING	- Investigation			

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Financial Financial	FIXED SWAP	9/1/2014	11/25/2012	4.09 3790693 4.11 3796542		IFERG IFERC	MANNEN	\$3 7200	
	FIXED SWAP	6/1/2014	11/25/2012	A.DZ 3786134		IFERC	MAINTLIN	\$3,7200	
Committee	FORED SWAP	B/1/2014		4.00 3004728		FERG	MAIMIN	\$3.7200 \$3.7200	
Firencial	FIXED SWAP	8/1/3014		399 3006327		IFERC	LIAIMEN	\$3 7200	
<b>Financial</b>	FOXED SWAP	8/1/2014		3849358 E187 4071975		IFERG	HAMIN	\$17200	
Firencial	FIXED SWAP	B/1/2014				IFERC	MADUN	\$1,7200	
Financial	FIXED SWAP	8/1/2014		13.77 4107080		IFERG	MAINLN	\$3,7200	
Finencial	FOCED SWAP	8/1/2014 8/1/2014		389 4140426		<b>GFERC</b>	LEAUNEN	\$3,7200	
Financial	FIXED SWAP	8/1/2014		12.70 4170507		SFERG	MAIMEN	\$3,7200	
Financial Financial	FOCED SWAP	8/1/2014		3,74 4180935		IFEAC	MAINEN	\$3.7700	
Financial	FIXED SWAP	8/1/2014		13.81 4226126	CITI)	FERG	SAUNEN	\$3.7200	
Financial	FIXED SWAP	9/1/2014		13.61 4235123		IFERC	STAINEN_	\$3 7200	
Financial	FOXED SWAP	B/12014		3 99 4263599		IPERG	LIADALN	83 7200	
Financial	FIXED SWAP	B/1/3014		4764235		FERC	MAIMLN MAIMLN	\$3 7200 \$3 7200	
Financial	FIXED SWAP	EV1/2014		4.12 4261966		IFERC	TRNS24	\$3,8000	
Financial	FIXED SWAP	B/1/2014		44,16 42981E3		(FEAG	HHUB	\$3,9100	
Financial	FIXED SWAP	B/1/2014		A.18 4271212		IFERC	HHUB	\$3.8100	
Finescial	FIXED SWAP	8/1/2014 #/1/2014		4.19 4271926		IFERC	HHUB	\$3 8100	
Financial	FOCED SWAP	B/1/2014		4273044		SFERC	HHUB	\$3.8108	
Financial Financial	FIXED SWAP	8/1/2014		3 96 4290398		IFERC	HP/ILIB_	23 2100	
I-MENCE:	PIACO GRAPE	5 10 10							

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47-1: Journal entry reports and Trade Settlement/ Invoices (pages 4 through 30 -entire document)



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Financial		-			on traze Data	Han		STATE OF THE PARTY OF			(CW358 b)	(Lither)	Hedge
			-		-								Section 18
Prencial	FIXED PINANCIAL OFTION	CALL	0/1/2014	129/2011	\$4.47	3502055	JPMCA	NAMEX	NG		MAN THE	\$3 9570	
Financial	FIXED FANANCIAL OFTION	PUT	94/2014	129(2011	54.47	2502053	JPMCI	NYMEX	NG			\$3.9570	NECESTICAL PROPERTY.
Pleasted	FIXED FRANCIAL OPTION	CALL	971/2014	1/10/2012	\$4.29	3513009	BARE	HYMEX	NG	R HELLS-MA		\$3,9570	
Figureral	FIXED FINANCIAL OPTION	PUT	9/1/2014	1/10/2012	\$4.29	2513809	SARO	NYMEX	NB	THE STREET		\$3 8970	
Figureal	FIXED PHYANCIAL OFFICIA	CALL	01/2014	5/ N3013	\$3.66	3523371	MSCG	NYMEX	NG			83.9578	SECTION 1
Fearmed	FIXED FINANCIAL OPTION	PUT	9/1/2014	S11/5013	\$3.96	3523379	MSCO	NYMEX	NG	NEW CO.	三人 一	\$3 9578	
Financial	FORED PINANCIAL OPTION	CALL	9/1/2014	2/27/2012	34.06	3533634	CSEL.	NYMEX	NG	<b>BUSHESS</b>		\$3.9570	
Financial	PIXED ANANCIAL DPTION	PUT	9/1/2014	2/27/2012	\$4.08	3433864	C\$S.	NYMEX	NG	HILL CO.		139570	AL WHENCE
Financial	PIXED PHANCIAL OPTION	CALL	9/1/2814	3/7/2012	\$3.80	3538885	CITI	NYMEX	NG		1	13.9570	The same of the sa
Francis	FIXED FINANCIAL OPTION	PUT	9/1/2014	3/7/2012	\$3.00	3631496	Cittle	HYMEY	NG	ALC: NO.		\$3,9570	2000
Financial	PRIED FINANCIAL OPTION	CALL	671/2014	3/30/2812	\$3.85	3531676	BARI	IFERG	TRN524			539800	MARKET STREET
Financial	FIXED FINANCIAL OPTION	PUT	9/1/2014	1/30/2012	\$3.96	2551078	BAFIA	IFERC	TRM5Z4		The state of the s	\$3 9600	SECTION AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I
Financial	FIXED FINANCIAL OPTION	CALL	8/1/2014	4/11/2012	\$347	3581788	JPMC#	IFERC	TRNSZ4	SOUR DESCRIPTION OF THE PARTY O		\$3,9600	NUSSEE OF
Financial	FIXED FINANCIAL OFFICE	PUT	0/1/2014	4/11/2012	\$3.67	3501788	JPMC#	IPERC	TRNSZ4	Mark Street		\$3,9800	
Financial	FIXED FINANCIAL OPTION	CALL	B/1/2514	4/17/2012	83.79	3584187	JPMC#	IFERC	TRMS24	S. 11.65	THE RESERVE	23 9600	THE REAL PROPERTY.
Financial	FIXED FINANCIAL OFTION	PUT	B11/2014	4/17/2012	\$3.75	3584197	JPMCs	IFERC	TRHSZ4	STATISTICS.	TED IS	53 9680	STATE OF THE PARTY OF
Financial	FOLED FINANCIAL OPTION	CALL	P1/2014	4/23/2012	33.60	2586974	CBEL	IFERC	TRNS24			\$3,9600	STREET, STREET,
Financial	FORED FINANCIAL OPTION	PUT	9/1/2014	4/23/2012	\$3.60	3596874	CSEL	FERC	TRHSZ4	Why had been a		\$3,9600	THE REAL PROPERTY.
Financial	FORED FINANCIAL OFTION	CALL	B/1/2014	5/10/2012	\$3.97	3601624	MSCB	IFERC	TPMSZ4			E3 8600	SECOND .
Financial	FIXED FINANCIAL OFTICH	FUT	9/1/2014	5/10/2012	\$317	3601624	MSCG	IFERC	TRM3Z4		EST DEST	53 8600	
Francial	FRIED FINANCIAL OPTION	CALL	9/1/2014	B/21/2012	\$7.49	3608556	JAMCs	IFERC	TRNSZ4			\$3 8600	
Financial	FIXED FINANCIAL OFTION	PUT	9/1/2014	5/24/2012	5319	3608S6	JPMC4	IFERC	TRNSZ4			\$3,9600	R. E. E. A.
Financia)	FRIED FINANCIAL OPTION	CALL	9/1/2014	E/11/2012	\$3.75	3623732	JPIACA	FERC	TRN524			\$3 9600	<b>经</b> 有证据
Finencial	FRIED FENANCIAL OFTION	PUT	E1/2014	8/11/2012	\$3.75	3623732	JPMC#	IFERC	TRNS24	SECTION AND ADDRESS OF THE PERSON.		33 P000	MINING THE REAL PROPERTY.
Financial	FIXED FINANCIAL OPTION	CALL	9/1/2014	7/11/2012	\$7.96	3639254	USCG	IFERC	TRMSZ4			\$3,9500	MALL BANK
Financial	FIXED FINANCIAL OFTION	PUT	9/1/2014	7/81/2012	\$7.94	3639238	MSCO	IFERC	TRMSZ4			\$3,9800	
Financial	FIXED FINANCIAL OFTION	CALL	8/1/2014	7/31/2012	54 09	3656833	BARIF	IFERC	TRNSZ4		100	\$1,9600	
Financial	FIXED FINANCIAL OFTION	PUT	\$1/2014	7/31/2012	3409	3658833	BARE	FERC	TRNSZ4			\$3,9600	
Financial	FIXED FINANCIAL OFTION	CALL	BYV3014	8/24/2012	\$3.84	3678452	JPMCs	IFERG	TRNSZ4		577775	83 9670	
Frenciel	FIXED FINANCIAL OPTION	PUT	@1/2014	8747012	53.84	3679452	JPMCs	IFERG	THRESEA			\$3 9600	SERVENIE
Financial	FIXED FINANCIAL OFTION	CALL	B1/2014	198/2012	\$421	3738714	CITI»	IPERC	TPMSZ4			\$3,9800	BE BELS
Financial	FIXED FINANCIAL OFTION	PUT	9/1/2014	10/8/2012	\$4.91	3736714	CITIO	IFERC	TRMS24			\$3,9600	2 5 5
Francis	FIXED SWAP		9/1/2014	7/6/2007	\$8.94	2128546	JPLICE	IFERC	HHUB			\$3,9900	
Prencial	FIXED SWAP		9/1/2014	7/11/2007	36 91	2130438	0604	IPERC	HHUB		Harris Control	\$3,9900	The state of the s
Francial	PIXED SWAP	- 15	1/1/2914	7/19/2007	\$7.11	8140364	DEUr	IFERC	HHUB			\$3,9900	THE RESERVE
Francial	FIXED SWAP		3/1/2014	8/14/2007	\$7.14	2165115	CSEL	IFERC	HHUB			\$3 9900	
Financial	FIXED SWAP		9/1/2014	8/78/2007	\$0 91	2181917	MC	IFERC	HHUD			\$3 9900	100000
Francei	FIXED SWAP	-	9/1/2014	9/12/2007	\$7.23	2194810	MC	IFERC	Herus			\$1,9900	

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February   First Dawner   197014   1907007   30-99   222003   FFERC   1908   33-900   1907007   31-90   32-9	1	Prendst	FIXED SWAP	9707007	57.04	2205445	IAC	IFERC	HHUB	· · · · · · · · · · · · · · · · · · ·	\$3 9900 I	
Financial   FINEC SWAP	- 1771-			9/1/2014 10/3/2007		2220245	JPMC4	IFERC	HHUS		53 9900	
Financial   FINED SWAP	\ \d\ -			9/1/2014 10/19/2007	57 21	2244170	AISCG	IFERC	HHUB		\$19900	
Parcel   Parcel SWAP				9/1/2814 11/6/2007		2252181	MSCG	###C	HHUB		\$3 9900	
Pare	10	Fleuncial	FIXED SWAP	9/1/2014 12/10/2007	.57 Bb :	2267630	CSEL	IFERC	HHUS		33 9900	
Final	91-			9/1/2014 12/27/2007		2294971	DEUP	IFERC	HHUB		\$3 9900	
Fastical   Fastic SWAP	ーパー	Financial	FIXED EWAP	9/1/2014 1/9/2000	57.90	2304878	JPMCII	IFERC	нниа		\$3 9900 /ンプ	
Financial   PURES SYMAP   BUCSH   MURCOSS   18 PZ   23/274.4   BARE   FERC   H-NUB   S.5 9900   Financial   FURES SYMAP   BUCSH   ASSASSOS   19 90   24/194.1   BARE   FERC   H-NUB   S.5 9900   Financial   FURES SYMAP   BUCSH   ASSASSOS   10 PZ   24/194.1   BARE   FERC   H-NUB   S.5 9900   Financial   FURES SYMAP   BUCSH   ASSASSOS   10 PZ   24/194.1   BARE   FERC   H-NUB   S.5 9900   Financial   FURES SYMAP   BUCSH   ASSASSOS   FURES SYMAP   BUCSH   ASSASSOS   FURES SYMAP   BUCSH   ASSASSOS   FURES SYMAP   BUCSH   ASSASSOS   FURES SYMAP   BUCSH   AUGUST   AUGUST   FURES SYMAP   BUCSH   AUGUST   FURE   FUR		Financial	PIXED SWAP	9/1/2014 2/13/2008	\$8 (1	233)4877	CSEL.	IFERG	HHUB		\$3 9909 / 5	5
Francist	7/	Fasecul	FIXED SWAP	9/1/2014 2/29/2008	\$5.74	2349641	JPMCs	IFERG	HHUB		\$3 9900 / 3	Į.
Parameted		Financial	PIXED SWAP	9/1/2814 4/3/3006	38.02	1372744					\$3,9900	
Proposed   Page SWAF   Micros   Wilson   Wilso	< □	Financial	FDIED SWAP	8/1/2014 4/25/2008	\$8 99	HOTEAL .	DETH	IFERC	HERUB		53 9900	
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47-2: Journal Entry Reports and Trade Settlement / Invoices (pages 4 through 30-entire document)

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12/7/7012	2102/22011	21026211	210261711	210241/11	1 1/2/2012	10737012	91772012	210Z/B/E	8/28/2012	\$102012	87/2012	2112272012	2100/212	2102/1/20	#17/2012	272273012	1,0202012	81027721	110271281	12/5/2011	11/16/2011	110291/11	117076571	1162511	11025111	HJB/ZDC#	12/2/2001	П	2017200	П	1002527	12220	\$002/E2/E	POUZEINE	BOOKEN	1977/2007	12/10/207	11/6/2007	1002461/01	П	1/28/2007
10 15	\$4.08	\$4.15	\$4.12	\$4.17	1875	er re	53.00	57.78	\$3,71	19 [3	53.65	1863	क्ष	05.05	27 77	12.13	1183	52.53	4 12	17.18	22	2 1	1 2	201	34.98	\$7.16	\$7.71	15 ts	340 27	\$10.60	22.00	97.70	19 65	10.17	\$7.00	53.57	\$7.74	57.33	\$7.28	\$7.06	87 13
2604727	J/GETJU	37,000,444	Degrate	3777500	3764587	3749644	BASPORT	75896957	CHOCHAC	3657267	36491	36431848	OFFICE AND ADDRESS OF THE PERSON OF THE PERS	2612075	3605299	2531678	352718	3520570	3503417	DEEDOSC	TEDEBAC	30900	1	11707LL	34/3402	PCLYSS	2672/133	2579416	2485684	245100.0	2407842	2,372748	2348442	23H878	2384677	2200127	2287831	2203102	2244171	2220246	7705440
CITA	212	MSCII	JPMCs	JPuca	BARS	CSEL	MSCO	CSEC	CSEL	1PMC1	JPAC)	ALACOM.	CSEL	CSEL	Citit	BART	CSEL	DOST	H3CG	HAAT	BART	DEGN	2004	Com	200	JANCI	BARR	BARR	CSE	EWIS	HISCO	BARI	PHCI	CS8,	TP-LC#	MSCG	CSE	мэса	MSCO	JPMCI .	i i
#-ERC	- ENG	THE PART OF	IP EMC	TERC	I-E-PAC	IFERC.	IFERC	IFERC	IFERC	FERC	FERC	FERC	IF BAC	NYMEX	NYMEX	NYNAEX	XBMAH	MARK	XBRUH	MANEX	KSMKM	HYMEX	KSILWI	XSTAN	Yamin	KONTAN	XXXXX	IFERC	(FEAC	#ERC	FERC	IFERC	IFEAC	DE34	FERC	PERC	FERC	IFERC .	20074	JEERC .	FEAC
MARANK	MANUA	MUMM	FOUNDS	NOWAL	H/M/mm	MTMMTH	MANA	MINIMA	MANNA	HAMM	MANATA	HTMININ	NAMAN	30	š	NO	ΝD	MG	MG	ð	NO	NG	25	5 8	5 2	No.	ð	BOSE!	BUVEN	14.C0	HALE .	H-40	HHUB	BWH	110	HHUI	HH4H	HAUB	BUNEN	H-F-F-F	HE-FUE
11508	The Control of the Co	STEER	and the state of t	03015	DOC! CE	\$3.500	020.53	22.000	23 5300	23 (20)	0055 CS	17,500	17.500	12.86	53-68-02	97853	17 34 5	23,9940	DARCE CO	11810	22 88-60	64 66 13	076613	27.67.0	41 84 14 14 14 14 14 14 14 14 14 14 14 14 14		27,944	S. Patt	\$4,0400	\$4,9400	\$4,0400	34.040b	24 DARO	\$4 Det(0	\$4,0400	S.4 G.400	5000 12	\$4,0400	su auto 7-2	\$4,0000	3.2 000 C. 2

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Prysical Projection	instrument	Plecar	Harti	Tra Se Date	Probationary on Trade Date	2 Kry/Tende Num	Country arty	Mater	Lorman	leure	Fires Pare (\$27773bc)	Evitrement (FRANKHA)	Stungsfestes Redje
Financial	FIXED FINANCIAL OPTION	CALL	11/1/2014	1/10/2012	3441	3513511	BARE	HYMER	NG			83.7280	
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	1/10/2012	\$4.41	3513811	BARS	NYMER	NG			57 7260	
Financial	PIXED PINANCIAL OPTION	CALL	11/1/2014	2/1/2012	5399	3573301	MSCG	HYMEK	NG			\$3 7200	
Financial	FLIED PHANCIAL OPTION	PUT	11/1/2014	2/1/2012	32.99	3523361	MSCG	HYMEX	NG		Mariting or 10	\$3.7280	
Finançial	PIXED FINANCIAL OFTION	CALL	11/4/2014	2/27/2012	\$4.18	3522966	C\$EL	NYMEX	NG			\$3.7280	
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	2/77/2012	\$4.10	3533858	CSEL.	NYMEX	NG			\$3 7200	
Financial	FIXED FINANCIAL OFFICIN	CALL	11112014	37/2012	\$3.93	3538467	CITH	NYMER	NG			\$3,7280	
Financial	FIXED FINANCIAL DIFTION	PUT	11/1/2014	3/7/2012	\$3.93	3538867	Citta	NYMEX	NO			\$3 7280	
Pinancial	FIXED FINANCIAL OPTION	CALL	11/1/2014	3/30/2012	\$4.06	3551078	BARI	FERC	TRHSZA			\$3,7000	
Financial	FIXED FINANCIAL OFTION	PUT	11/1/2014	3/30/2012	\$4.08	1551076	BARO	IFERC	TRHSZA			83,7000	
Financial	FIXED FINANCIAL OFTION	CALL	11/1/2014	4/11/2013	\$4.00	3581790	JPI/CE	FERG	TRNS24		- Lange 19 3	13.7000	
Financial	FIXED FINANCIAL OFTION	PUT	13/1/2014	N111/5015	34 00	3581790	JPIACO	FERC	TRIVISZA			13,7000	
Financial	FIXED FINANCIAL OPTION	CALL	(1/1/2014	4/17/2012	\$2.88	3584199	JPUCI	FERC	TRHSZ4			\$3,7000	
Pinancial	FIXED FANANCIAL OPTION	PUT	11/1/2014	4/17/2012	\$2.16	3584190	JPMC#	IFERC	TRNS24			\$3,7000	
Financial	FUED FINANCIAL OFTION	CALL	11/1/2014	4/23/2012	\$3.92	3586978	CSEL	IFERC	TRMSZ4		ALCOHOL: N	\$3,7000	
Finançial	FIXED FINANCIAL OPTION	PUT	11/1/2014	4/23/2012	th th	3690975	CSEL	IFERC	TRH5Z4			\$3 7000	
Financial	FRED FINANCIAL OPTION	CALL	11/1/2014	\$102012	\$4.10	3801826	NSCG	IFERC	TRNS24		The state of the s	\$3.7000	
Frencial	FIXED FINANCIAL OPTION	PUT	11/1/2014	5/10/2012	\$4.10	3861828	MSC0	IFEAC	TRNSZ4			13 7000	
Financial	FIXED FWANCIAL OPTION	CALL	11/1/2014	5/24/2012	S4 ()2	3600568	JPMCs	UPERC	TRHS24		NAME OF THE OWNER.	\$3,7000	
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	E/24/2812	\$4 02	3808864	JPMCs	IFERC	TRNS24			33.7900	
Financial	FORED FINANCIAL OPTION	CYLL	11/1/2014	B/11/2012	\$3.00	3823734	JPMC1	IFERC	TRNSZ4			\$3,7000	
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	£/11/2012	\$3.86	3623734	JPMCI	IFERC	TRHS24		K. III TO A ST	\$1,7000	
Financial	FIXED FHANCIAL OPTION	CALL	11/1/2014	7/11/2012	SAIZ	3839240	MSCG	IFERC	TPMS24			\$3.7900	
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	7/11/2012	\$4.12	3639240	MSCG	PERC	TRNSZ4			51,7000	
Financial	FIXED FINANCIAL OFTION	CALL	11/1/2014	7/31/2012	\$4,23	2658835	BARE	IFERC	TRNSZ4			\$3,7000	
Financial	FIXED FINANCIAL OPTION	FUT	11/1/2014	7/31/2012	\$4.23	3656835	BARE	FERC	TRASZA		A STATE OF THE PARTY OF	\$17000	
Francial	FIXED FINANCIAL OPTION	CALL	11/1/2014	8/24/2012	\$3.90	3678454	JPMCF	IFERC	THUSZA			\$17000	
Financel	FIXED FINANCIAL OPTION	PUT	11/1/2014	8/24/2012	\$3.59	3678454	JPMC1	FERC	TRNS24			\$3,7000	
Financial	FIXED FINANCIAL OPTION	CALL	11/1/2014	10/8/2012	54.34	3738724	CITIE	FERC	TRHS24		The state of	\$3,7000	
Financial	FIXED FINANCIAL OPTION	PUT	11/1/2014	18/8/2012	\$434	3738724	CITIE	PERC	TRNS24		AND DESCRIPTION OF THE PARTY OF	\$3,7000	
Financial	FIXED SWAP		11/1/2014	9/28/2007	\$7.42	2209447	MLC	FERC	HHUB			\$3.7700	
Financial	FIXED SWAP		11/1/2014	10/19/2007	\$7.55	2344172	MSCG	IFERC	Helys		12 72 4	\$3.7700	
Financial	FIXED SWAP	2.1	11/1/2014	11/6/2007	87.62	2263183	MECG	IFERC	HHUB		NO TOPOS	\$3,7790	
Financial	FIXED SWAP		11/1/2014	2/29/2008	29.00	2348643	JPMCe	IFERC	HHUB		CHILD ALL HE	\$3,7700 33	
Financial	FOCED SWAP		11/1/2014	4/2/2004	18 99	2372750	BART	PERC	HHUB		STATE OF THE REAL PROPERTY.	The second secon	
Financial	FIXED SWAP		10/0/2014	4/20/2012	\$3,400	3585727	BARU	MYMEX	NG			13.7700 1.5	
Frendel	FIXED SWAP		11/1/2014	8/12/2012	22.854	3824175	Ciffe	NYMEX	NG		SUP STATE	13.7280	
Firencial	FIXED SWAP		11/1/2014	7/18/7012	\$4 00	3638967	MACOI	NYMEX	NG		The second	\$3 7790	
Financial	FIXED SWAP		11/1/2014	8/7/2012	F-784 H00	3684808	BARI	MANEX	NB			\$3 7780 \$3 7760	

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1.	Financial	FIXED SWAP	1	11/1/2014	B/5/2012	\$3.940	3613921	MECG	I MYNEX	l NG		\$3,7280	
r	Financial	FRIED SWAP		11/1/2014	10/15/2012	34.29	3743559	JPMG#	IFEAC	TRHSZA	-	\$3,7000	
ł	Financial	FIXED SWAP	1	11/1/2014	11/7/2012	\$4.25	3786425	MACON	IFERC	TRNS24	-	\$1,7000	
r	Financial	FIXED SWAP		11/1/2014	11/14/2012	\$4.23	3777581	BARD	IFERC	MAIRLN	•	\$3,6400	
h	Fagreid	FIXED SWAP		11/1/2014	12/7/2012	\$4.11	3864693	BARE	IFERG	MAINLN		\$3.6400	
h	Finançial	FIXED SWAP		11/1/2014	12/11/2012	\$4.62	3806941	CITIA	IFEAC	PARAMEN		\$3 6400	
r	Financial	FIXED SWAP		11/1/2014	12/14/2012	\$4 80	3810192	CIT!	IFERC	MAIMUN		\$3.6400	
-	Financial	PIXEO SWAP		18/2014	12/31/2012	34.07	3821390	JPMCI	PERC	MAINLN		\$3 6400	
	Financial	FIXED SWAP		10/2014	1/21/2013	\$4.20	3845910	JPMCI	IFERC	MAINEN	7	\$3,6400	
_	/ Frencial	FORED SWAP		11/1/2014	2/6/2013	\$4.13	3855266	HSCG	IFERC	MAINEN	*	\$3,6400	
Т	Financial	FIXED SWAP		11/1/2014	3/6/2013	84 12	3880033	CSEL.	RERC	MAHEN		\$3,6400	
	Financial	FIXED SWAP		11/1/2014	3/19/2013	\$4.93	_3509994	JPMC*	IFERC	MANALN		\$3,6400	
Е	Fins/citi	FIXED SWAP		11/1/2014	3/27/2013	\$4.26	3883291	BARY	FERC	MANAGN		\$3,6400	
Е	Financial	FIXED SWAP		11/1/2014	43/3013	\$4.21	3906870	NYCOI	<b>PERC</b>	MAINLN		\$3,6400	
	Financial	FIXED SWAP		11/1/2014	£/2/2013	\$4.23	3954749	CSEL	PERC	MAINLN		\$3,6400	
E	Financial	FIXED SWAP		11/1/2014	9/30/2013	\$4.25	2984320	Cifta	FERC	MAINTH		\$3,6400	
Ł	Financial	fixed swaf	1	11/1/2014	8/26/2013	\$4.09	4019053	MSCG	#FERC	MANUN		\$3 8400	
E	Financial	FIXED SWAP		11/1/2014	7/15/2013	\$4.05	4031835	MSCB	IFERC	MANNEN		\$3 6400	
	Pinancial	FIXED SWAP		31/1/2014	7725/2013	\$4.03	4037368	MSCB	IFERC	MARQH		\$3.5400	
	Financial	FIXED SWAP		11/1/2014	7/29/2013	\$3.92	4041832	CITI	IPERC	MARKEN		\$3,5400	
	Financial	FIXED SWAP		11/1/2014	8/1/2013	27.85	404/548	CSEL	FERC	MAINLN	i	\$3,6400	
	Financial	FIRED SWAP		10/1/2014	8/29/2013	\$2.89	4870270	MLC	IFERC	MAINLN		\$3,6400	
	Financial	FIXED SWAP		11/1/2014	8/8/2013	\$3.06	4089007	CSEL	FERC	MAINEN		\$3,8400	
	Financial	PIXED SWAP	<u> </u>	11/1/2014	10/9/2013	\$3.99	4140681	Mic	IFERC	MAINLN		\$27.8400	
L	Finance	FIXED SWAP		11/1/2014	12/9/2013	\$4.13	4253601	BOMP	IFERG	MAINLN	_	\$2,6400	
L	Financial	FIXED SWAP		11/1/2014	12/10/2013	\$4,54	4254239	ITYCO4	IFEAC	MAINLN		\$3 \$400	
L	Financial	FIXED SWAP		11/1/2014	12/11/2013	\$4 10	4763172	BOM	IFERC	MAIHLN		\$3,6400	
L	Financial	FIXED SWAP		31/1/2014	12/12/2013	\$4.18	4268290	MLC	IFEAC	MARKEN		\$3 6400	
E	Financial	FRICED SWAP		11/4/2014	7/25/2014	\$3.00	4540544	MLG	IFERG	HINUE		\$3.7700	
L	Financial	FIXED SWAP		11/1/2014	7/30/2014	\$3.86	4542548	JPMCI	IFEAC	HHUB		\$3 7700	
E	Financial	FRIED SWAP		11/1/2014	8/12/2014	\$4.06	4567370	BOMA	IFERC	HHUB		\$3,7700	
Ľ	Financial	FIXED SWAP		11/1/2014	\$75/2014	SI 62	4572892	MEC	IFERC	HJAHAN		\$3,6400	
	Financial	FIXED SWAP		11/1/2014	\$/2/2014	\$3.95	LP 4561 (F) [2	FOME	IFERC	TRNS24		33 7000	
4	Finencial	FIXED SWAP		15/1/2014	9/11/2014	13.00	4587540	JPMC#	IFERG	TPMSZ4		\$3,7000	
L	Financial	FIXED SWAP		11/1/2014	<b>9/17/2</b> 014	THE SALDS FAIR	4593204	MLC	NYMEX	NG		\$3 7790	
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	typeat/ rapplet	lastic g #4pri	Fusical	Pach	Indicate	en Trade Date	fiede Run	Country only	Pla ket	\$600°45	Vuluma:	Place Pales (1999) Stay	Semenger (Anthology	Schnijs Costen Hedge
5 <u></u>	Inencial	Financial Option	Co <sup>3</sup>	1/1/2015	1/8/2013	\$4,3020	3227307	Cligroup Every E	MANEXHELID	Harry Hub	Take White Carlotte	COOK HARRING	\$3.1890	
>	insectal	Pronocus Option	Pss	W1/2013	1/83013	34.3020	3227307		HAMEX NO FIG	Honey Hub			\$3,1890	
	haresi	Financial Option	Cat	1/1/2015	1/28/2013	\$4.4010	3227311	Mergan Stanley C	HANNEX HR F 18	Huney Hale			\$3 1990	STATE OF THE PARTY
16	inancial	Finencial Option	Put	VI/2015	M383013	\$4.4010	3227311	Morgan Stanley E	HYWEN NG LID	Henry Hub			\$3 1890	THE RESIDENCE OF THE PARTY OF T
	prayecus!	Phonosil Option	CH	V1/3015	E/49013	\$4,4960		JFMirperChase Birth E	IFENC	COT			E3 0900	
11	inencial	Fireward Option	M	1/1/2015	Erani)	344960	3227312	SPEAngarChase Bank E		COT			37 0900	
-	ngracial	Financial Scop	_	M1/2015	2.76/3007	\$8.1966	JUNIA	Month, yezhGon E EM	FERC	Herry Hub			\$3.1000	
	inancia)	Firendal Swee	-	MIZEL	10/19/2007	30 1947	3773434	Mergan Browley E	IFERC	Henry Hub		I ME TERM	\$3 1900	NAME OF THE OWNER, WHEN
-	esecte	Financial Swep	_	1/1/2015	1 M9/3007	\$8 2580	3223439	Margen Stanley E	FEAC	Henry Hub			\$3.1807	
1	rencial	Financial Sens	-	1/1/2015	42/2008	\$9 6070	3223346	Marcians Bank E	FEAC	Harry Hulb			\$3.1800	
	Linguis	Financial Swep		1/1/2015	2/29/2004	\$9 6452	272)547	PhiorporChase Both E		Honry Hub			\$3.1900	
	nereal	Finançial Seep	_	1/1/7019	4/20/7012	\$4 0983	3223823	Bardays Book E	NAME & NO F 10	Henry Flub			\$3.1890	
	ABROSE	Firendal S-mp	-	W142913	6155015	\$4,1450	3533835	Cogroup Energy E	NYMEX NG LID	Herey Hub			\$3 1880	
	remeal	Financial Swap	-	1/1/2016	7710/2012	\$4,3240	2223954		HYMEX NG LIQ	Henry Hub			\$3.1A85	
_	randal	Pinercial Swep	+	1/M2015	8/7/2012	\$4.3910	2174835	Barcaye Bank E	MYMEX NO LIO	Henry Hub			93.1890	
.	randal	Fine solel Sump	+ -	11/2016	843/50 15	\$4 7430	3224067	Morgan Stately E	HYMER NO LIO	Henry Huts			\$3,1690	
	Vincial	Fine solal Sweep	+	1/1/2015	10,12/5015	\$4 6700	3224214	JYMospanChase Bore E	IFERC	Transca Zone 4			\$3.1900	
_	rentel	Finencial Snep	-	1/1/2018	11/7/2012	\$4.5170	2224217	Mangano Bask (2)	IFERC	Transico Zone 4			53,1900	
	nancal .	Financial Simp	_	1/1/2015	11/14/2012	\$4,5130	3224222	Bartleys Bark E	IFERC	COL			\$3 0900	
	AARciel	Financial Swep Financial Swep	+	1/1/2015	12/7/2012	\$4,3900	2274756	Bardleys Brok E	FERC	COT			£3 0900	
	randel		-	WW2019	12/11/2012	\$4,3000	3224277	Copoup Every E				Value Company	\$3 0100	
	randel	Financial Sweet	1	U12015	12/14/2019	\$4.7670	3224279	J'MorperChase Bank E	IFERC	cat			\$3 0900	
	anciel		+			\$4.3560		JPMespenChase Bank E	UFERC	cat		Stall to Aut 1	\$3 0900	
	ngaçici	Financial Broop Financial Street	+ +	1/1/2015	1/23/2013	34 4790	3224350		SERC SERC	cgt		519616	£3 6905	
	nancial		+ -	I/1/2015	2/9/2013	\$4 4090		Morgan Startley E					\$3,0900	
	nanciel	Financial Syrep	-	1/1/2015 1/1/2015	3/6/2013	\$4,3790	3224813 3224819	Gradi Sulsan Irdi JPMonganChasa Bank E	IFERC	CUT			33 0900	
-	nancial nancial	Financial Swep Financial Swep	-	1/1/2015	3/27/2013	H-1810	3224422	Backys Bank E	IFERG	CGT			\$3 0900	
	Associal Control	Federal Sees	+	1/1/2015	43/2013	84.6200	3224877	Macausia Bash Ltd	IFERC	cat		DESCRIPTION OF THE PARTY OF THE	\$2,0900	
	Nancial	Fagardal Soup		1/1/2015	927013	\$1.4890 \$1.4830	3224690	Credi Sulge Int.	IFERC	CGT			\$3 0900	
		Financial Break	-	1/1/2015	\$/30/28/3				IFERG	COT		N Section 1	23.0900	
_	nencial	Financial Sees	-	1/1/2013	8/30/2013	34 S078	9224810 3224832	Chigroup Energy E Morgan Styriley E	WENC	COT			\$3,0900	
			-	_		\$4,3300							23 0100	
	nancial nancial	Financial Sees Financial Sees	+	V1/2015	7/16/2013	34 2980	3224817	Morgan Stanley E	IFERC	CGT			E3 01cm	
	Landal	Financial Swap	1	1/1/2015	7/25/30 13 2/28/2013	\$4.2000	3274920 3234922	Margait Stanley E	HEAC	car		111111111111111111111111111111111111111	\$3.8900	
	uncial	Francial Swap		VIROIS	#282013 #14013	\$4 1708		Chapteur Energy E	IFEAC	COT		THE RESERVE	\$3.8900	
	uprecial	Francial Supp	-			\$4 1400	3225051	Check Suisea hall Marrit, yechicam & SM	IFERG				13 CRCC	
	normal	Financial Swap	+	1/1/2015 1/1/2015	\$787013 \$487013	142239	3225051	Credit Setron let	UFERC .	COT		11(1)	£3 0900	
	nervoled .	Francial Swap	1	V1/701\$	1083013	\$4,1930 \$4,2270	3225187	Month year Con E ELI	SPERC	COT		- SE A A SE	\$3 0900	
	rerold	Financial Swee	1	1/1/2015	1202013	34.2580	3223471	BIGADHEREAL	IFERC	201		SALKERY.	\$3 0900	
	uncid	Prompt Swag	+	V1/2013	12/19/2013	\$4,3340	3775486	Macausia Bank Lid	SFERC	CG1		100 miles	\$3,0900	
	are tal	Financial Swap	1	1/1/2015	12/15/2013		3225049	BIGACHTREAL	IFERC	TD3		SOUND SOUND	\$2) 01000	
1.0		***************************************		MINUIS	est a military	\$4.3570	261.374	SHAPON IPE AL	BENE	CGI			\$3 0900	

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u L	Financial	Financial Swap	WW2015	12/12/2013	\$4.3760	3225946	Morrit, year Core E E14	IFERC	CBT	23 0900	
[	Pinancial	Financial Symp	1/1/2015	3719/2014	\$1.7820	3226647	BHIADHTREAL	IFERC	Transen Zerry 4	33 1900	
ן קי	Financial	Financial Swep	1/1/7015	326/2014	\$4.7110	3224588	BILLIOHTREAL	FERC	Transcu Zone 4	\$3 1900 L Z	つ
	Pinencle1	Financial Europ	1/1/2016	4/18/2014	34 6270	3276758	BIGLIONTHEAL	FERC	Franco Zone 4	\$31800 (13	
<b>"</b> [	Firendal	Financial Swep	1/1/2015	97/2014	\$4.0565	3226750	BRINGHTREAL	IFERC	Transco Zone 4	0301 [2]	
I [	Financial	Finencial Swed	1/1/3015	\$/8/2014	\$4.7485	3229760	Mentil ynchCam E EM	IFERC	Treason Zoru 4	\$3 (90)	
22 C	Financial	Financial Swep	1/1/2015	5/12/2014	34 6025	3226761	ANNOHITEAL	PERC	Transco Zone 4	\$3 1900	
	Percuial	Financial Supp	1/1/2018	8/73/2014	\$4 \$415	3226764	JPNorgenChase Sank E	IFERC	Trenece Zong 4	23 1900	
	Financial	Firencial Swap	1/1/2015	Ert H2014	_\$4,7050	3276794	BRIMONTREAL	PERC	Transce Zone 4	\$3 19co	
	Feercal	Forumeted Brooks	1/1/2015	2/23/3014	83 9990	3234362	Marrit, projectors & &U	IPERC	Henry I tuts	0091 C2	
<b>₹</b> Т	Finercial	Financial Swep	1/8/2015	7729/2014	84 0350	3240183	Month profitors & EU	SERG	Heavy Huts	\$1 1900	
·- [	Financial -	Firancial fisap	1/1/7015	70302014	34 0110	3240194	"PHAngerChase Benk E		Heavy Hub	13 1900	
3 C	Financial	Financial Swep	1/1/2015	8/12/2014	84 2195	32(3434	BYLACHTREAL	MERC	Harry Hyb	\$3 1900	
7 🗆	Francial	Financial Swep	1/1/2015	9/26/2014	\$4.1280	3248424	Month, year Corn E EM	#EAC	COT	13 1800	
<u>-</u> [	Financial	Financial Swep	1/6/2015	9/2/7814	\$4 1320	3250854	BILLIONTREAL	<b>PERC</b>	Tames Zone 4		
2 [	Firencial	Financial Swap	1/1/2015	9/11/2014	\$4 0820	3254125	JPMorpaeChase Bank E		Transco Zone 4	\$3 1900 \$3 1900	
5 C	Financial	Financial Swep	171/2015	9/17/2014	94.8290	3250078			Henry Hub		
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Physical Financial	te strument	PERCE	Hendi	Trade Date	Stares Plan en Trace Dan	Trade trum	Countripody	Pirkit	1 retire	Validation	Finial Price (\$71903)up	Contains of (\$419/54)	Samage Desir.
Financial	Financial Oction	Cad	2/1/2015	1/9/2013	34.2129	3227307	Colymp Energy E	HYLAEX HOLID	Henry Hub			12,0340	
Financial	Financial Option	Put	3/1/2015	1/9/2013	34.2120	3227307	Digrace Energy E	MYMEX HB LID	Heatery Halb			\$2.8940	
Financial	Financial Oction	Call	3/1/2013	1/28/2013	\$4.3020	3227311	Margan Stanley E	MYMEX NO LID	Heavy Hub			\$2 8640	
Financial	Financial Dation	Fut	3/1/2015	1/25/2013	\$4,3020	3227311	Margae Startey E	NYLEX NO LID	Henry Hub			82 8940	
Floencial	Financial Option	Caf	3/1/2015	6413013	\$4.4090	3227312	JPUogenChase Bank E	IFERG	COI			37 8306	
Finercial	Financial Option	Pat	3/1/2016	84V3013	\$4,4090	3227312	JPMorganChase Bank E	IFERG	COT			\$2,6300	
Financial	Financial Swap		3/1/2015	97972007	\$7.5360	2223424	Mettl. yezhCom E EN	FEAC	Harry Hub			22 9000	
Finercial	Financel Sets		2/1/2013	10/10/2007	\$7 8520	2223434	Mergan Elentey S	FERO	Henry Hub			\$2 9000	
Financial	Financial Beag	4	2/1/2015	11/4/2007	18 0500	3223430	Margan Stanley E	FERC	Heavy Hub			\$2 P000	
Financial	Francis Swep	_	3/1/7018	44/3003	\$9 3F70	3223646	Berstays Bork E	FERC	Hany Hub			\$7 (000	
Francial	Financial Swap		3/1/2015	2/20/7008	\$7.4200	3223347	JPMorganChase Bank E	FERC	Henry Hub			J2 9000	
Firencial	Fasachi Seep	1,000,000	JY1/2015	490/3012	\$3,9920	3723423	Bacteri Bank E	HYLEK NG LEG	Herey Hub			12 8640 A F	
Florecial	Financial Seaso		3/M2915	6/12/2012	\$4,0400	3223932	Citigroup Energy E	NYMEX NG LID	Henry Hub			\$2 8940 04	
Figurelal	Financial Somp		3/1/2018	7/10/2012	34 2030	3223958		MYMEX HE LID	Heavy Hub			E2 8940	
Financial	Figure 5 state		3/1/2015	8/7/2012	14 1740	3274005	Bardays Bash E	NYMEX HOLIO	Herey Hub			\$2 8840	
Flancial	Financial Sento		3/1/2016	0/5/2012	\$4 (210	3724087	Morgan Stanley E	NYMEX NG LID	Herey Hyb			32 8940	
Financial	Financial Swep		3/1/2015	10/16/2012	\$4.4900	2224214	JPMerperChase Bank E	FERC	Transco-Zone 4			52 89Co	
Firmulal	Francial Swap		3/1/2015	11/7/2012	\$4 3050	2224217	Macrase de Berth Ltd	FERC	Transco Zono 4			\$2,8900	
Financial	Financial Swap		J'1/2015	1W14Q012	E4 3000	377(22)	Barciaya Barin E	UFERC	COT			\$2 \$300	
Financial	Finencial Swap	_	3/1/2015	12/7/7012	\$4 2800	2224254	Bardays Bark E	IFERC	COT			52 6300	
Financial	Financial Smith		37N2011	tar11/2012	34 1990	3224277	Ciligroup Erangy E	FERC	CGT			12 8300	
Fernancial	Floandel Smap		3/10018	12/14/2012	84 1830	3224278	Cliptop Energy E	S'ERC	CDT			\$2,830p	
Financial	Floragini Seaso		3/1/2015	12:31/2012	\$4 2500	2224261	JPMorpanChase Bank E	IFERG	COT			\$1 A380	
Financial	Financial Beap	-	3/1/2018	142377013	M 3890	222<360	JPMemanChase Bork E	FERG	CGT			12 A200	
Flooreigi	Financial Simp	1	3/1/2018	2/6/7013	\$4,3060	3224407	Margan Smotor E	FERC	CGI			\$2,6300	
Firmecial	Financial Sergo		3/1/7015	36/2913	\$4.2800	3224613	Credi Sense Mi	FERC	caf			57 8300	
Floorde	Financial Sono	_	3/1/2015	3/19/2013	\$4.3650	3234618	JPMessarChasa Bark E	FERC	COT			\$2 6380	
French	Financial Seep	_	3/1/2015	3/27/2013	54 4250	3224622	Sercions Serie E	PERC	CGT			52.8300	
Financial	Figuresial Source		3/1/2015	4/3/2013	\$4.3050	3774677	Messaurie Bank Ltd	FERC	cor			12 8300	
Financial	Fitation Sweet	_	3/1/2015	872/2613	\$4 3818	3224830	Credit Suissa Inti	FERG	COT			\$2,6300	
	Financial Swep		3/1/2015	830/2013	\$4 (220	3224610	Citigrate Energy E	FERC	CGT				
Flamcial	Financial Swep	-	31/2015 31/2015	8307013 8387013	\$4 1500	3274832	Mergan Stanley E	FERC	C01			\$2.8300	
Featured	Flauncial Sings	-	31/2018	7/16/2013	\$42370	3224917	Linger Starter E	PERC	707			52 #300 52.4300	
Financial	Pinencial Swep	-	3/1/2013	77257013	34.1810	3224920	Alongan Storing E	FERG	CGT			\$2,4300	
Financial Financial	Financial Simp	-	3/1/2015	7/26/2013	\$4.0970	3224922	Corpore Energy E	IFERC	CBT			\$2,6300	
	The same of the sa			8/1/2013	H 0500	3224924	Crade Svisse Ind	IFERC .	CBT			\$2,000	
Financial	Financial Swee	-	3/1/2015			3273031	Month yezhCom E EM	PERC	103				
Financial	Financial Swap	-	3/1/2015	6757013	\$4,1470		the same of the sa					12 8300	
Financial	Fluenced Serec	-	3/1/2015	0/9/2013	54 (100	3225058	Cradit Sules a Inti	FERC FERC	193			\$2 6308	
Firemial	Financial Samo	+	3/1/2015	10/1/2013	\$4 1400	2223197	Month, yeshCom E EM		CB <sup>†</sup>			.17 6300	
Financial	Financial Emili	-	3/1/2015	129.7013	\$4,1710	3225871	BIOMONTREAL	IFERC	CBT			.52 6300	
Financial Financial	Financial Broop Financial Soup	-	3/1/2015	13/11/2013	34 2340 54 7456	3275888 3225889	Macquire Bank Ltd BreadstiftEAL	FERC	100			25 1300	

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	- Financial	Financial Swep	3/47915		\$4 3660	3225944	Marail ynchCorn E EM	IFERC	CGT	J2 8300	
	Financial	Financial Scrop	3/V7916	3/18/2014	\$4.5910	3226547	BHADHTREAL	FERC	Transco Zone 4	12 B400	
	1 Financial	Florecial Sump	3/12015	375/2014	34 5800	3226Z44	BAMONTREAL	FERC	Titletos Zane 4	\$7 8900	
	Financial	Financial Swep	2/1/2015	4/96/2014	\$4 00 10	3226734	BRACHTREAL	RENC	Transca Zane 4	\$2.8900	
	S Financial	Financial Swag	3/1/2015	5/7/7914	\$4 9090	3229759	BRAONTREAL	FERC	Transco Zone 4	82 8900	
	Financial	Favori Seto	3/1/2016	3/8/2014	\$4.6240	3554560	Ments ynchCom E EM	FÉRC	Transco Zone 4	25 9300	
	Financial	Flasecal Seep	3/1/2016	\$/12/2014	\$4,5470	3225161	BKMONTREAL	FÉRC	Treason Zone 4	\$2 8900	
	Financial	Financial Birap	3/1/2015	5/72/2014	\$4.4218	2229764	JPMcsys-Chaus Dash S	FERC	Transco Zone 4	25 8800	
	Fine noid	Fleartial Swep	3/1/2016	6/11/2014	\$4 \$890	3729794	BRUNONTREAL	WERC	Transco Zana 4	\$2,8900	
	Financial	Fixtancial Bures	2/1/7019	7/20/3014	\$3 9160	3738362	Month yestiCom E SM	IFERG	Honey Hule	\$2.0000	
	Financial_	Francial Bursp	2/1/2015	7/28/2014	13 9530	3240193	MortiLynchCain & SA	IFERC	Honey Hub	\$2 9000	
	Financial	Financial Swap	3/1/2016	7/30/2014	\$3,8360	3240194	JPMorgenChase State E		Henry Hub	\$2 9000	
	-) Financial	Financial Swap	3/1/2015	#105351#	\$4,1250	3243454	BRUONTREAL	FERC	Henry Hub	\$2 9000	
	1 Financel	Financial Sinap	3/1/2015	8/28/2014	S4 00000	3248424	Month, ynchCam E EM	FERG	CGT	\$2,8300	
	Financial	Financial Sixty	3/1/2013	8/2/2014	_\$4 QA70	3250984	BRACHTREAL	IFÉRG	Transco Zona 4	\$2,8900	
	Presented	Financial Swap	3/1/2014	8/11/2014	13 9100	3254125	PriorparChess Bank E	PERC	Transas Zona 4	SERICO	
- 3	☐ Financial	Financial Swap	3/1/7015	B/17/2014	34 1508	3154379	Ments yech Com E ZM	DIJ DH XBANN	Harry Hub	\$2 E140	
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Emançial	Past Circuit	FLICIE	Thuntle .	Trade bere	Maikat Pilan ma Trade Date	Tradesian.	Counterparty	Market	ferstica	Valueta	H.L. P.	it when i	Harge
Finançial	Pleanded Option	Call	#1/2018	1/1/2013	\$4.0170	3227307	Cligroup Energy E	HYMER HELID	Hanry Hub	COMPANY OF		\$2,5900	
Finencial	Financial Option	Pal	4/V2015	1/9/2013	\$4,8170	3227307	Chigroup Energy E	NYMEX HG LID	Henry Hub	STATE OF THE PARTY.		\$2 5900	
Firential	Financial Option	Cal	#1/2015	1/28/2013	\$4,0940	3727311	Morgan Stanley E	NYMEX HELLID	Henry Hub			\$2 5000	
Franced	Financial Oxillan	Pul	4/1/2013	1/28/2013	\$4,0540	3227311	Morgan Stanley E	MYMEX HB LID	Henry Hult			\$2,6900	
Financial	Financial Option	Call	41/2015	8/4/2013	\$4 1500	322/311	JPNorpinChese Bath E	IFERG	CGT			\$2,5100	
Financial	Financial Option	Put	44/2015	8/4/2013	\$4 1560	3227312	JP MarganCress Bark E	FERG	CGT	The state of the s		\$2,5100	
Financial	Firendel Option	Call	4142015	\$/16/7014	\$4 0940	2227519	BUMONTREAL	HYLEX NG LID	Honry Hub	BALLEY TO		\$2 5900	
Financial	Financial Option	Put	4/1/2015	S/15/3014	31 (943	3227510	SHUDHTREAL	NYMEN NG LID	Henry Hub	Sec. 25. 35		\$2,5900	
Financial	Financial Option	Cell	4/1/2015	@107014	\$4.1293	3227521	Marel Lynch Com & Eld	NYMEX NO LID	Henry Hub			\$2.6900	
Financial	Financial Oction	Put	4/1/2015	E/10/2014	\$4.1280	3227521	Medit yeshoon E EN	NAMEX NO FIG	Heavy Hub	Company of the last of the las		<b>82 5800</b>	
Finançisi	Financial Option	Cell	4/1/2015	3/10/3D14	FL 0070	2227187	JPMorganChase Brnk E	FERG	Transco Zone 4	STATE OF THE PARTY		\$2,5400	
Finencel	Feuncal Option	Pst	W1/2015	2/10/2014	\$4.0670	उदराक्ष	JPMorganChess Benk E	FERC	Tremess Zone 4			83 M00	
Financial	First Strep	M S	W1/2015	7/8/2007	\$5 6849	3723376	JPM:squeChase Bash E	FERC	Hanny Hub	THE RESERVE		\$2.\$100	
Financial	Financial Swep		4/1/2015	7/11/2007	. 86 4582	3323331	JFS/regar/Crass Bank E	FERC	Hervy Hub	Sept. 524		\$2,8100	
Financial	Financial Swap		4/1/2015	7/16/2007	\$4 8870	3223331	Morpus Stordey E	FERC	Hanry Hub	CONTRACTOR OF THE PARTY OF		\$2.8100	
Fireaciól	Promod Swe		4/1/2015	8414/300A	\$7.033A	3723310	Margan Stanley E	FERC	Heley Hub	THE COURSE		\$2,6100	
Finencial	Financial Swep		4/1/7015	1002/45/8	86 7995	3923424	Mentil_ynchCore E EM	FERC	Henry Hub	THE RESERVE		\$2,6100	
Financial	Protectal Symp		4/1/2015	8,153001	\$7,1376	3223476	Messyere Bark Ltd	IFERG	Henry Hub			\$2,6100	
Financial	Financial 5wee		T1/3012	8/24/2007	3E 9586	3223425	Morett, ynchilliam E Elit	FERC	Henry Hub	SELECTION CONTRACTOR		32 6100	
Financial	Financial Swap		4)QQIE	10/3/2007	\$8.9067	3273437	JPMorperChase Bank E	FERC	Henry Hub	SHEET STATE		£2 6100	
Farancial	Financial Syrap		U1/2315	10/19/2007	17.0(04	3223434	Mergan Stanley E	FERG	Henry Hub	100000000000000000000000000000000000000		37 8100	
Financial	Financial Swee		U1/2016	11/4/2057	37,1298	3223439	Morgan Stanley E	FERC	Henry Hub			\$2 6160	
Financial	Financial Swep		4/1/2015	12/10/2007	67.5550	3723475	Morgan Stanley E	IFERC	Henry Hub	A RESERVED		\$2,6100	
Finendal	Financial Simp	-	U1/2015	12/21/2007	\$7.9140	3723S37	Liborgen Stanley E	FERC	Henry Hub			\$2 BIGG (7.5	
Finencial	Financial Serge		4/1/2015	1/8/2000	\$7,7904	32235A1	Margan Stanley E	HERC	Henry Hub	AND CLUB		\$2,8100	
Finançai	Firencial Symp		4/1/2015	2/13/2008	\$7,9390	3223544	JPMerçanChess Back E	PERC	Heavy Hub			\$2,8100/5-1,	
Francial	Financial Swee		4/1/2016	4/2/7000	\$1 50-41	3223546	Buckeys Bank E	IFERC	Flenry Hub	SIDIN BEEN		\$2.6100	
Firancial	Financial Swep		4/1/2015	3/35/3008	AU B115	3223547	JPNorganChase Bath E	IFERC	Heny Hub	CONTRACTOR OF THE PARTY OF		\$2 6100	
Financial	Prencial Sorte		4/1/2013	4/25/2008	50 8815	3223560	Mergan Startey E	#FERC	Henry Hub	ASSESSED IN		\$2 \$100	
Financial	Prandel Swep		4/1/2015	6/12/2008	\$106145	3223662	Bentleys Bank E	WERC	Henry Hub			\$2 8100	
Financial	Financial Serve		4/1/2015	7/11/2000	\$102435	3223547	Credit Suisse Ind	REUC	Hanry Hub	574E-155		52 9100	
FINANCIA	Financial Swep		4/1/2015	10/21/2008	\$7,3390	37223549	Morgan Statley E	6-ENG	Harry Hab			32 6100	
Firecalel	Francial Somp		4/1/2015	12/2.2008	\$7.5330	2323742	Bartleys Bora E	MYMEX NO LID	Henry Hub	O R STATE OF		\$2 5000	
Financial	First seed Seein		4/1/2018	F/15/2/008	\$6.9250	3223744	Society Back &	HYMEXHOLID	Henry Hub	20149		\$2 6000	
Francial	Finalished Swee		4/1/2019	11/7/2812	\$4 1580	3274216	Bandaya Bank E	HYMEXHELID	Harry Hub	3 10 10 10 10		\$2.5900	
Financial	Finançisi Soop		4/1/2018	£1/8/2/812	34 1330	3274210	Credi Sulsan Ind	HYMEXHOLID	Henry Hub			\$2,5900	
Financial	Floancial Swep	1 200	4/1/2018	11/13/2012	\$4.2260	3234230	Lángen Slanley E	HYMEXINDLID	Henry (Ad)	San Street of the last	E	\$2 5900	
Financial	Prendel See	1	4/3/2018	11/15/2012	\$4.1660	322 (229	Bersteys Bank E	HYMEX HG LID	Hanry Hub	STATE OF THE STATE OF		\$2 5900	
Financial	Financial Susp		4/1/2015	11/19/2012	\$4,1600	3221232	Bassleye Lork E	MYNEX NO LID	Hanry Hub	SE LIESUE	THE STORY	\$2 \$900	
Francial	Financial Simp	1	4/1/2015	11/27/2012	\$4 2349	3221245	Margan Starsby E	HYLEX HG L10	Henry Hub	The state of the s	1000	\$2.6900	
Financial	Financial Emer	1000000	4/1/2015	11/70/2012	\$4 1790	3221252	Berdays Bank E	HTERIG	COT	Control of the Control	3 10 3 3	32 6100	
Financial	Fesancial Swep		4/14/019	12/10/2012	14 0050	3274278	JPMorganChete Bank E	IFERC	CGT		THE RESERVE	\$2,5100	

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所	Flancial Financial	Financial Swep	4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015	2/0/2013 2/0/2013 2/13/2013 2/13/2013 2/13/2013 2/13/2013 2/2/2013 4/13/2013 4/13/2013 4/13/2013	\$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,000 \$4,100 \$4,100 \$4,100 \$4,100 \$4,000	222436 3224504 3224505 3224509 3224604 3224604 3224602 3224602 3224602	JPMetporChase Besh i JPMetporChase Besh i JPMetpor Stanfey E Metpor Stanfey E Metpor Stanfey E Great Setzes tell JPMetporChase Besh i Citymp Energy E JPMetporChase Besh i Setzes Chase Be	E FERC E FERC FERC FERC E FERC E FERC	Cat Cat Cat Cat Cat	\$2,5100 \$2,5100 \$2,5100 \$2,5100 \$2,5100 \$2,5100	
FI F	Financial	Francial Swap	4/12013 4/12015 4/12015 4/12015 4/12015 4/12015 4/12019 4/12016 4/12016 4/12018	2/0/2013 2/0/2013 2/13/2013 2/13/2013 2/13/2013 2/13/2013 2/2/2013 4/13/2013 4/13/2013 4/13/2013	\$4.0820 \$4.0388 \$4.0780 \$4.1720 \$4.1720 \$4.1240 \$4.1240 \$4.1240 \$4.1910 \$4.0300	3224504 3224508 3224509 3224604 3224604 322460 322460 322460	JPskorgenChese Best i Margan Stanley E Storgen Stanley E Credit Setges 146 JPskorgenChese Bank i Cligmap Energy & JPskorgenChese Sonk i	F FENG FENG FENG FENG FENG FENG	Cat Cat Cat Cat	\$2.5100 82.5100 \$2.5100 \$2.5100 \$2.5100	
所	Financial	Financial Beep Financial Beep Financial Beep Financial Geep	4/12013 4/12015 4/12015 4/12015 4/12015 4/12015 4/12019 4/12016 4/12016 4/12018	3672013 27(372013 3757813 37(372013 37272013 3727213 472713 472713 472713	\$4 0380 \$4 0790 \$4.6120 \$4.6120 \$4.1330 \$4.1240 \$4.1240 \$4.1910 \$4.000	3224508 3224509 3224604 3224608 322460 322460 322460	Margan Stanley E Margan Stanley E Credit Sidges Ind JPMargan Chase Bank I Clignos Energy & JPMargan Chase Sank I	FERG FERG FERG	COT COT COT	82.5100 \$2.5100 \$2.5100 \$2.5100	
月 月 月 月 月 月 月 月 月 月 月 月 月 月 月 月 月 月 月	Financial	Financial Boss;	4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015	21,3/2013 3/5/2013 3/16/2013 3/26/2013 4/2/2013 4/6/2013 4/6/2013	\$4.0700 \$4.0120 \$4.1330 \$4.1330 \$4.1340 \$4.1910 \$4.000	3224509 3224964 3224916 3224620 3224621 3224640	Morgan Storing & Credit Setson trill JPMerganChese Bank t Cliegroup Energy & JPMerganChese Senit S	FERC FERC FERC FERC	CGT CGT	\$2.5100 \$2.5100 \$2.5100	
自 自 自 自 自 自 自 自 自 自 自 自 自 自 自 自 自 自 自	Pinencial Financial	Pinancial Sans Financial Sans	41/2015 41/2015 41/2015 41/2015 41/2015 41/2016 41/2016 41/2018	3/5/2013 2/18/2013 2/22/2013 2/22/2013 4/2/2013 4/9/2013 4/9/2013	\$4.1130 \$4.1330 \$4.1030 \$4.1240 \$4.1910 \$4.0300	3224884 322488 3124620 3224621 3224640	Credit Belges tre JPNergenChess Bank to Cligatop Energy & JPNergenChass Bank to	IFERC E HERC FERC	COT	\$2,5100 02,5100	
自 自 自 克 克 克 克 克 克	Financial	Pinancial Sans Financial Sans	41/2015 41/2015 41/2015 41/2015 41/2015 41/2015 41/2015 41/2015	3/18/2013 3/22/2013 3/26/2013 4/3/2013 4/9/2013 4/9/2013	\$4.1330 \$4.1030 \$4.1340 \$4.1910 \$4.000	3224016 3224620 3224621 3224640	JPMergenChase Bank 6 Ciligrate Energy & JPMergseChase Bank 9	E FERC	CGT	42 5100	
FI F	Financial	Financial Seep	41/2015 41/2015 41/2015 41/2015 41/2015 41/2015 41/2015	3/2/2013 3/26/2013 4/3/2013 4/9/2013 4/9/2013	\$4.1930 \$4.1940 \$4.1910 \$4.000	3224620 3224621 3224640	Cargrain Energy & JPMarganChase Sank S	FERC			
FI F	Financial	Financial Seep	41/2015 41/2019 41/2016 41/2016 41/2018 41/2018	3726/2013 4/3/2013 4/9/2013 4/9/2013	\$4,1340 \$4,1910 84,0360	3224621	JPMarganChase Bank S		CGI	\$2,5100	
Fi Fi Fi Fi Fi Fi Fi Fi Fi Fi	Financial Pinancial Financial Financial Financial Financial Financial	Financial Seep	4/1/2015 4/1/2015 4/1/2015 4/1/2015 4/1/2015	4/3/7013 4/9/2013 4/15/2013	\$4.1910 84.0300	3224640			000		
Fi Fi Fi Fi	Prantis Prantis Prantis Frantis Frantis Prantis	Financial Symp Financial Symp Financial Symp Financial Symp Financial Symp	4/1/2018 4/1/2015 4/1/2018 4/1/2018	4/9/2013 4/19/2013	84 0300			FERC	cqt	\$2,5100	
Fi Fi Fi Fi	Financial Financial Financial Financial Financial	Prencial Swep Prencial Swep Financial Swep	4/1/201\$ 4/1/2018 4/1/2018	4/15/2013			Bortleys Bank E	FERG	CGT	\$2,9100	
R R R	Financial Financial Financial Inercial	Financial Swap Financial Swap	4/1/2018 4/1/2018	-		2234681	JPN/argus/Chota Bank S		COY	\$2.9100	
F	Financial Financial Inercial	Financial Soca	4/1/2018		54.1330	3724682	Citigratup Energy E	FERC	COT	\$2,\$100	
F	Fearetel Inerelal	Financial Soca		4263015	\$4 1210	3774683	JP Morgan Chase Bank I		C07	\$2.5100	
	Inercial		4/1001S	5/2/2013	\$4 0660	3224684	Mentil yechCom E EM			\$2.5100	
			41/2015	5/7/2013	\$4 9910	2224633	J'MorganChase Bark S		COT	32,6100	
F	Intervial	Financial Sweet	4/1/2015	¥14/2013	34 0900	3224697	Messyade Bank Lid		COT	\$2 5100	
		Financial Swap	4/1/2015	\$29/2013	\$4,2150	3224807	Cradit Sware and	FERG	CGT	\$2,3100	
_	irencial	Francial Swee	4/1/2015	8/6/2013	\$4.0480	3224413		IFERC	CGT	52 6100	
	inencial	Finencial Swap	A/1/2015	6/10/2013	\$4.1076	3224815	Metril, year Com E EM		TOS	\$2,5100	
	Transfel	Financial Swap	4/1/2015	4/18/2013	\$4 0546	3224617	Credi Suppe let	IFERC	Transas Zune 4	\$2,5400	
	Prancial	Financial Swap	4/1/2015	6/30/3013	\$4.1033	3274818	Barcleys Bank E	IFERC	Transco Zone 4	\$2 5600	
	Inancial	Financial Seep	4/1/2015	0304913	\$4,1843	3224828	Margen Stanley E	FERC	Transco Zone 4	\$2,5800	
	learned at	Financial Swap	4/1/2015	8/29/2013	\$4,0283		JPM:spanChase Bank 6		Transce Zene 4	12 5600	
_	restel	Financial Surgo	4/1/2015	771 1/7013		3224914	Month, yeshicam & Elk		Transca Zene 4	\$2,5600	
_	Insected	Financial Swep	4142015	7/16/2013	\$4 0828	3224910	Morgen Stanley E	(FERC	Transco Zony 4	\$2,5800	
	Innoulai	Pinercial Swep	4/1/2015	7/25/2013	\$4 (128	3224919	Morgen Blarley S	#ENG	Transco Zana 4	\$2,5400	
-	inancial	Finencial Simp	4/1/2018	7/29/2013	\$4 0334	-	Chiprous Energy E	FERC	Transco Zone 4	C292.53	
<del></del>	nancial	Financial Serio	4/10015	7/30/2013	\$3 9439	3224921	"PhinganGhasa Bank E		Transco Zone 4	\$2,5800	
	inencia!	Financial Sang	U1/2013	8/1/2013	53 9600	3224923	Credi Svicco Ind	RENC	Transco Zone 4	12.5000	
-	Insacled	Financial Birth	4/1/2015	A30013	23.5044	3224125	Chipmin Energy E	PENC	Transes Zane 4	12,5600	
	runchi	Firencial Syrap	4/1/2013		\$3.0710	3174027	Credit Sules e tes	IFERC	Franco Zono 4	\$2,5600	
	earcial	Francisi Supp		A23/2013	\$1,9970	3225044	Mergen Startey E	WERC	Transco Zora 4	\$2,5600	
	Put Pariet	Financial Swap	4/1/2013	8/29/2013	17,9380	3225080	JPWergenChees Bard &	UTENC	COT	12.5 Kg	
_	Mencel	Financial Sage	41/2017	MW3013	13 9090	3225857	Mentil, yechCein E ELI	FERC	CGT	\$2,5100	
-	ing regist	Francial Swap	4/1/2015	11/1/2013	\$3,7000	3225285	Margan Storby 2	FERC	100	\$2,5100	
	menchi	Finencial Swap	4/1/2015	2/27/2014	33 9960	3276557	Mazzil, yechCom & ELI	FERC	Transco-Zone 4	32,5800	
	mencial		4/2015	10/23/2014	£3 4£25	3287280	JP1/arganChase Bank E	IFERC	COT	\$2,5100	
		Financial Swep	41/2015	12/15/2014	33 4820	3293784	Macquarie Berti Ltd	IFERC	Transco Zone 4	\$2,500	
	nencial	Financial Swap	4/1/2015	12/17/2014	\$3 4540	3294453	Macqueria Bank Ltd	FEAC	Transco Zone 4	\$2,5800	
	nanced	Provid Svep	4/1/2013	1563,5914	\$2,1330	3296344	Chiprous Energy E	FERC	Transca Zona 4	82.5600	
	nencial	Financial Seep	4/1/2015	1/20/2216	\$2,7940	3294866	Messperine Bank Ltd	#FERC	Transco Zora 4	\$2.56X)	
1 200	renola)	Financial Snep	4/1/2015	2/23/2015	22.8430	3306466	Moett, ynchCare E Elit	NYLIEX HG LID	Heavy Hub	25.7900	
										94 3400	

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#### **REDACTED SLIPSHEET:**

47-7: Journal Entry Reports and Trade Settlement / Invoices: (pages 3 through 22-entire document)

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Paysical Financial	RESIDENCES	Put Call	Fleath	Crade Elete	frankeifrier am Trade Diffe	frede tion	Continuent	Malket	terses	Volume	Creat Price (\$ 19 (Blu)	Stillerest (125511)	Saurgs/Dautu Ridge
Financial	Financial Option	Call	S/1/2015	VV2013	\$4 0270	2277357	Citipetop Energy E	NYMEN NO LID	Honry Hug	- Indian country	NAME OF TAXABLE PARTY.	12 5170	
Financial	Financial Option	Put	9 W2015	1/9/2012	\$4 0270	3227367	Clignup Energy E	NYMEK HOLID	Hartry Huts	NAME OF TAXABLE PARTY.		\$2 5170	
Francial	Financial Option	Call	S/W2015	1/28/2013	\$4 1840	3227311	Morpan Stanley E	MYMEX NG LTO	Henry Hub	Children of the Control of the Contr		\$2 5170	
Frence	Financial Option	Put	\$11/2015	3/28/TO13	\$4,1940	322/311	Morgan Stanley E	HYMEX NO LIO	Harry Hub			\$2.5170	
Financial	Financial Option	Call	\$71/2916	6,4/5013	\$4 1EPD	3227312	JPMerparChess Back E	IFERC	CGT	Name and Address of the Owner, where the Owner, which is the Ow		\$2,4400	
Financial	Firendal Option	PM	W1/2016	84/2013	\$4.1EFD	3227312	JPMwgarChasa Bank B	IFERG	CGT	100000000000000000000000000000000000000		\$2,4400	
Financial	Financial Option	Cell	8/1/2018	4/14/2014	\$4 1385	3227518	Morell, yech Com E EM	IFENC	Flenry Hub			\$2,5300	
Francial	Pleancial Option	Put	W1/2015	4/14/2014	FILISMS	3227618	Morall, ynchCarn & EM	PERC	Henry Hub			\$2 5550	
Financial	Financial Option	Call	5/1/2015	9167014	\$4,0680	3227519	BRIJONTREAL	HYMEX HG LID	Henry Hub			25 9110	
Francial	Pinancial Option	Pat	\$/1/2015	\$71\$/7014	\$4.0680	3227519	BIOMONTREAL	HYDEK NG LID	Henry Hub	EUROS III SAN		\$2,6170	
Prondet	First control	Call	6/1/2016	6792014	\$4 0950	3227921	Mortil, yezhCom E EM	HYMEK HG LID	Henry Hub	NAME OF STREET		\$2,5170	
Finencial	Financial Option	Pel	\$/1/2015	6/19/2014	34 0950	3227521	MeafL yechCom E EM	DIJ OH XSMYH	Henry Hub			\$2 5170	
Financial	Financial Option	Call	S/1/2015	2719/2014	33 8540	3227767	JPMorgenChase Bank E		Transco Zone 4	STATISTICS.		\$2,5000	
Financial	Pintople Option	Put	\$/1/2016	2/10/2014	\$7 9540	3227767	JPMoganChese Serb E	PERG	Transco Zone 4	The second second	A COLUMN TO SERVICE STATE OF THE PARTY OF TH	\$2 8000	
Firencial	Financial Option	Call	A/1/2015	7/21/2014	\$2,7745	3236363	BICHOMINEAL	FERC	Harry Hub	A STATE OF THE PARTY OF THE PAR	MARKET MARK	\$2,5300	
Pinencial	Financial Option	Pel	\$/1/2015	3/21/2014	\$3,7749	3238383	BHNONTREAL	IFERC	Herey Hub	THE REAL PROPERTY.		12 L300	
Financial	Financial Option	Cati	5/1/2015	8/20/2014	\$3.7£#\$	3248480	Ciligrato Energy E	IFERC	Stanry Hists	THE PERSON NAMED IN		\$2 8300	
Faccosi	Financial Option	Put	5/1/2011	1/20/2014	13.7545	,3248496	Cityman Energy E	SFERC	Heavy Hub			62,5300	
Finencial	Financial Option	Cal	5/1/2015	9/3/2014	13 7540	2291300	BRAIDHTREAL	FERC	Henry Hab	THE RESERVE OF THE PARTY OF THE	ALCOHOL: N	\$2 5300	
Finançiul	Frend Option	Pat	5/1/2015	83/2014	\$3 7840	3251300	BIOMONTREAL	IFERC	Hancy Hub	320 B		37 3300	
Financial	Financial Option	Cat	9 UZ915	10/13/2014	£3.7300	32941403	JPNoperCrees Sest E	WERC	Harry Hub		SECTION AND ADDRESS OF	\$2 \$300	
Financial	Financial Option	Put	5/1/2015	10/13/2014	\$1 7360	3264163	JPMergonChaus Bank E	FERC	Henry Hub	OR OTHER DESIGNATION OF	AL RESTRICTION OF	\$2,5300	
Financial	Firancial Option	Cal	51/2018	18/20/2014	\$3 6140	3794285	Morgan Starrey	IFERC	Honey Ifuts		STATE OF THE PARTY	32,5300	
Fivencial	Financial Option	PM	¥1/2015	10202014	11440	3768745	Morphit Stanley E	FERG	Howy Hula		ASSESSED NO.	52 £300	
Fire-raid	Financial Option	Call	5/1/2015	13/3/2014	17 A475	3279678	Chigroup Energy E	FERC	Henry Hub			57 5300	
Finencial	Francial Option	Put	51/2015	12/2/2014	12 8475	2379679	Chigroup Energy E	FEAC	Hanry Hub	DESCRIPTION OF THE PARTY OF THE		25 7300	
Financial	Financial Option	Cell	SMAIN	1112/2016	£2 8475	3297710	Chiprosp Energy E	FENC	Henry Hub	DESCRIPTION OF THE PERSON OF T		37 5300	
Francet	Financial Option	Pul	141701S	1/12/2015	32 8475	3292219	Citigrano Esercy E	IFERG	Henry Hub	BIGHT STATE		\$2 5,300	
Financial	Financial Option	Cell	91/2018	1/30/2015	\$2,7140	3296153	Margan Stanley E	NYMEXHOLID	Hanry Hub	Ellistell		32 5170	
Financial	Financial Option	Pit	91/2016	1/30/2015	12.7140	3290 (53	Morgan Startey E	MYMEX NO LID	Harry Hub	DOM: NO		\$2,5170	
Financial	Financial Cotton	Cell	91/2016	2/2/2015	12,5720	2301626	MerilL yesiGom E EM		Henry Hub	THE RESERVE OF THE PERSON NAMED IN			
Financial	First cold Option	PH	¥1.0018	3/9/7016	13 5720	3301239	Hanti, yeahCom E EU		Herry Hub			\$2.5170	
Fameial	Financial Oction	Cell	\$19013	217/7015	12 9190	3304158		HYMEX NO LID	Hanry Hub	ALC: UNKNOWN		\$2,5170	
Firencial	Fistancial Option	Pet	S/1/2015	2/17/2015	\$3.9190	2304158		HYMEN MG LID	Henry Hub	STATE OF THE PARTY NAMED IN		\$2 5170	
Figureial	Festivat Centers	Call	\$/1/2016	3'42018	82 606D	2310401	Liergen Stanley E	HYMEX NG LID	Henry Hub	E000000000	050000000000000000000000000000000000000	\$2 5170	
Flograda	Firewaini Option	Pul	5/1/7015	34/2015	12.805D	3110401	Morgan Stanley E	NYMEN NO LID	Hamiy Had	200000000000000000000000000000000000000		\$2 5170	
Financial	Financial Option	Cat	3/1/201S	334015	\$7.7130	3312102	Morphin Stanley E	NYMEX NG LVD	Herey Hub	- William To		\$2.5179	
Fenercial	Financial Option	Pul	\$1/2013	3/9/7013	13.7130	2312101	Morgan Startey E	NYMEX NG LID				\$2.5170	
Financial	Ferencial Culton	Cen	S/1/2013	375/2014	12,7400	2317624	BRILIONTREAL	HTMEX HOLLD	Henry Hub	STEEL STEEL		\$2.5170	
Festivale	Financial Option	Put	S1(5015	375/2015	12.7400	3317624	BRINDHINEAL	HAMEX HOFFID	Herey Hub		370110111	\$21179	
Financial	Firencial Option	Cel	V1/2015	4/10/2015	\$7.5110	3321624	The second secon		Henry Hub	Later William		\$25170	
Feurcial	Financial Option	Pal	\$1/2015				Scote Bark	HANEX HO FID	Herry Hub		11 3000000	\$2 \$170	
TOUCH	P PROPERTY CONCERN	7 (794	2012013	4/10/2015	\$7.5110	3351854	Scota Back	NYMEX NO LID	Henry Hub		- TO (3) - (3)	\$2 5170	

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Proceed Proceed From   Depoil From   Proceed   Proceed Proceed   Proceed							· ·	4.00					
Proceed   Proc	7	Finencial	Fixendal Symp	5/1/2015	7/6/2007	56 5884	3273376			Henry Hub		52 5300	1
Pascid	- Ó						_			Herey Huls		\$2,6300	·
File										Henry Hub		\$2,6000	i
Februarial   Februarial From the Service   \$1,000   \$1,	10						_			Herry Hub		32,5300	1
Francial   Francial Swap	9									Hervy Hub		\$2,5300	i
Francisk	ιή									Henry Hub		47.6300	1
Francis  Francis  Serp										Henry Heb		\$2 555	1
Francis  Presental System	7									Henry Hub		\$2,5300	
Freedal	12									Henry Hub		12,5300	· ·
Freedal										Heavy Hub		\$2,5,300	
Procect	4									Heary Hub		\$2,5700	
Process					4					Henry Hob			· ·
Process				<del></del>		\$7,7405				Herry Hub		\$2,5300	
Proceed   Proc										Horay High		\$2,5300	ł
Prended   Prended Surge	= =					\$1.5415		Bardays Bark &	<b>PEAC</b>	Hurry Hub			i
Prended   Prended Surge	ŏ					\$4.2904		JPMssyanChese Base B	FERG	Hanry Hub			
Presented   Presented Surge					4/25/2006	\$4,6505	3223550	Morgan Stanley E	FERC	Havyling			
Pleanable   Presented   Presented   Supple   Strategory				5/1/2015	6/12/2008	\$18,5945	3773632	Barcleys Bank E	FERC	Heray Huts			
Prancial   Prancial Sirege   \$7.001   \$021,000   \$72,1	- 7.1			5/1/2015	7/11/2016	\$19 2225	3223667	Credit Selesse trid	FERC	Henry Hub			
Principal   Principal Swing   M/16018   17/20018   38989   37/2018   Bertishy Bank E   MYMEX MS LTD   Heavy Max   15/2008   32-3170				5/1/2018	19/21/2008	87.3148	2723589	Morgan Stanley E	IFERC	Herry Hub			
Prince   P	Z	Financial	Financial Swep	1/2015	12/2/2008	\$7,5030	3223742	Bardaya Bank E	MYNEX HE LID	Henry Hub			
Promoted   Promoted Every   Promoted   Promoted Every   Promoted	44	Financial		\$/1/2015	1/15/2009	30 8950	3223744	Bertteys Bank E	MYMEX NG LID	Henry Hub			
Promoted   Promoted Every   Promoted   Promoted Every   Promoted	- 5			21/2013	11/7/2012	\$4,1580	3854516	Bartieya Dank E	MYNEX NO LID		i		·
Promoted   Promoted Every   Promoted   Promoted Every   Promoted	75	Financial		\$/1/2015	11/9/2012	84,1420	3224219	Crack! Sulsan Iroll	HYMEX MOLID				
Promoted   Promoted Every   Promoted E	0	Financial	Financial Swep	5/1/2015	1 M13/2012	\$4,2300	3224230	Morpen Stanley E	HYMEK NO LID				
Financial   Financial Swap   Surgest   Swap	<b>A</b> [	Pannetal	Financial Evap	5/1/2015	11/15/2012	54.1780	3224226	Bergleys Bank E					
Financial   Financial Seep		Finencial		\$/1/2015	11/10/2012	\$4,1700	3224232	Bertleye Bank E					
Francist	- #			5/1/2015	11/27/2012	\$4 7430	3224245	Libragen Stanley E	HYMEN HO LID		1		
Francist	70			5/1/2013	11/28/2012	\$4.1370	3224252	Berdays Bank E	FEN:		i i		
Francis  Francis  Series   F		Financial		S/L/2016	12/10/2017	\$4 0150	3224275	"D'MorganChasa Bark E	FERC		1		
Prancial   Prancial Semp   S12015   1227013   S1 1480   S224337   Bastleys Bark E   FERC   COT   S2 4400   S2 4400   S1 400   S2 4400				E/1/2015	12/27/2012	54 0520	3224240	Barclaye Bank E	FERC		·		
Filancial Financial Surap   Srizols   Srizol	D.O.	Financial		942015	1/23/2013	59 1460	3224337	Backeys Barb E			·		
Filancial Financial Surap   Srizols   Srizol		Financial		5/1/2015	1/24/2013	\$4.1080	3224381	PhiloperChase Bark E	PERC		<del>!</del>		
Promoted   Presented Serve		Financial	Financial Swep	FIGOIE	2/9/2013	\$4,0900	3224364	JPMorganChase bank &			<u> </u>		
Repeal   Property   Service   Serv	100	Financial	Previotel Sarep	¥10011	279/2013								
Financial   Financial Serve   \$1/2018   3/9/2013   \$4.1200   3224604   Cried Editate Int   IFERG   CGT   \$2.4400	-	Financial	Financial Swep	5/1/2015	2/13/79/3								
Francial Francial Symp   51/2015   3/18/2013   34.1300   323/818   Flançoin Bank E   SFERC   CGT   S2.4400		Financial	FAMILIA SARD	S/1/2015	3/5/2013								
Financial   Financial Sivep   51/2015   3/22/0012   54 1140   322/4200   California Energy E   FERC   COT	ାନ [	Financia)	Francial Syste	5/1/2015	3/18/2013		3224618				:		
Financial   Francial Sump   Strizol3   Selection   S		Financial	Firthecial Supp	5/1/2013	3/22/2013						į		
Financial   Financial Sump   \$172015   \$272015   \$21130   \$224600   Mazzarara Back Ltd   FERC   CGT   \$2,4400	- 23 T	Plagnetal	Firetredal Susp	5/W701\$	3/29/2013						<u> </u>		
Financial   Financial Siving   SF12015   4/02013   \$4.0430   3274578   Southyr Benk E   IFERC   COT   \$2.4400		Financial	Finencial Swep	5/1/2015	4/3/2013								
Financial   Financial Surg		Financial	Financial Sires	S/1/2015	4/97/013								
Financial Financial Sivia 91/2013 42 420013 54 1380 3224867 Citycon Energy 6 SFERC COTT 52 4400 52 4400		Financial	Financial Sosp	5/1/2015									
Financial Francial Swip 3/1/2013 4/05/2013 4/1/2019 1/2014/10 1/20		Financial	Financial Sura	5/1/2012									
52.400	- [	Financial	Financial Swep	2/1/2013	4067013								
						7			- End	- COI		\$2,4400	

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Financial	Financial System									
		8/10/015	Sam:	\$4 0640	3224934	Month ynchCorn E ELL	STERC	COT	1	
	Firstenial Swep	5/1/2015	\$/7/2013	\$4,0940	3224493	JPMarganChase Bank E	IFERC	COT	\$7 4400	-
Finalicial	Plancial Broop	5/1/2015	3143013	\$4,0980	3224697	Macqueria Bash Ltd	FERC	COT	52 4400	-
Finencial	Financial Book	5/1/2015	E/29/9013	\$4.2210	2224907	Greate Sulese Inti	FERG	COT	57 4400	
Financial	Financial Surg	5/1/3015	6/8/2013	\$4,0580	3224813	Montel ynchCom E EM	FERG	CST	\$2,4400	
Financial	Financial Swep	2115017	8/10/2013	\$4,1100	3274015	Credi Bulsse let	FERC	Transco Zone 4	\$2,4400	
Financial	Financial Swap	\$/1/2015	W139013	\$4 0058	3034017	Bardaya Bard E	FERC	Transca Zame d	\$2 3400	
Flagricial	Financial Seap	\$/1/7015	4/20/0013	84,1142	3234818	Margan Startey &	FERC	Transport Zong 4	\$7 5000	
Financial	Priancial Swep	V1/7018	6267013	\$4,1173	3254120	JPMarganChate Bards E	FERC	Transportante 4	\$2 6000	
Financial	Financial Swap	\$/1/2019	824/2013	\$4.0443	3224914	Meets, prohCort E EM	PERC	Transmi Zana 4	\$2,5000	
Finencial	Firencial Swap	\$10013	7/11/2013	\$4 0754	3234015	Mergan Starley E	FERC	Transco Zone 4	12 2000	
Finencial	Pinanciel Sirrey	5/1/2015	7/16/2013	\$4,1256	3224919	Morgan Startey E	FERG	Transco Zene 4	82,5000	
Finançial	Financial Sirage	3/1/2015	M23/2013	\$4 0458	3274910	Calpinus Energy S	FERC	Traesco Zone 4	\$2.5000	
Finançial	Financial Scop	2/1/2015	1/29/2013	\$2 9949	2224921	JPNosperChare Sanh &	FERC	Transmi Zone 4	\$2 5000	
Financial	Financial Swap	S/ U2015	2/30/2013	\$3 9796	3274923	Credi Butssa Inti	PERC	Transco Zone 4	\$5 2000	ļ.
Financial	Financial Susp	8/1/2019	Ø/H7013	\$3 9768	3224825	Coppose Energy E	FERC	Transco Zone 4	\$2 5000	]
Financial	Financial Swap	5/1/2015	0/3/2013	\$3 0360	3221927	Gredt Seitse ber	FERC	Transm Zang 4	\$2 5000	!
Financial	Firectiot Swep	5/1/2015	8/23/2013	\$4 0100	3225044	Marges Stanley E.	IFERC	Transper Zone 4	\$2 5000	ļ
Financial	Prendet Swep	5/1/2015	6/20/2013	\$3 9520	3225050	JPNorgenChase Seek E	PERC	Cat	\$7 5000	ļ
Financial	Firencial Swep	5/1/2015	8/9/2013	\$3 9190	3225057	Mental yechCom E Esk	IFERG	GGT	\$2,4400	1
Financial	Financial Swep	5/1/2915	11/1/2013	\$3,7130	3225263	Morgan Stanley E	FERC	COT	\$2 4400	
Pinenctal	Pinerolal Swep	£1/2015	3/27/2014	\$3 6520	3220547	Ment LynchCorn E EM	PERC	14mm Zony 4	\$2,4400	
Financial	Financial Swep	S/1/2015	8/25/2014	\$4 1095	22200.10	BRUICHTREAL	IFEAC	Heavy High	15 2000	
Financial	Financial Sump	\$/1/2015	10/23/2014	83 4495	3257250	JPMorpasChase Bank E	IF ÉRC	COT	25 T200	
Fixencial	Fire richt Siese	\$/1/7015	12/16/2014	\$3 4540	3293784	Macquele Bank Ltd	FERC	Transco Zong 4	52 4400	
Ferencial	Financial Syrae	6/1/2015	12/17/2514	\$3,4349	3294453	Messpapie Barb, EM	FEAC	Transco Zone 4	12 EDDO	
Firendel	Finencial Swep	S/1/2015	12/23/2014	\$3 1230	3290344	Chigroup Energy E	FERC	Transco Zone 4	32 5000	
Financial	Financial Swap	SINSDIR	1/20/2015	\$2 7095	3291864	Mecouses Back Ltd	PERC	Transco Zere 4	\$2 5000	
Firmnaist	Firancial Svep	5/1/2015	1/29/2015	\$2,7460	3297904	Marrit, yreshCorn & EM	APPLIEN ME I ON	Harry Hub	\$2 6000	
Financial	Financial Sedg	5/1/2015	3/23/2015	\$2 E2+0	3306466	Mertil yezhCom E EM	WANTER MC 1 NO	Heavy Hub	32 5170	
Financial	Finencial Broop	\$/1/2016	2/76/7019	\$2.7370	3307310		MAMEX HO FID	Henry Hub	125170	
Financial	Fittential Swap	¥1/2015	49/2015	12 1280	3321465		NYMEX NO LID		12 5170	
Financel	Financial Sasp	9/47018	4/16/2015	\$2.0040	3327457		MUNEX NO LID	Happy Hub	12 5170	
Flourgial	Finenzial Swap	947015	4/20/2018	\$2 \$360		JP Margas Chase Strik E	FERC	Heavy Hub	32 5170	
				//			MENC.	Transce Zone 4	\$7,5000	
							<u>_</u>			
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										**

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#### **REDACTED SLIPSHEET:**

47-8: Journal Entry Reports and Trade Settlement / Invoices: (pages 4 through 17-entire document)



Physical Engretat	Enthement	FutCatt	22,005	Trace Dice	Moved Frida on Tribat Date	Itapatkani	Country	Mulker	icesion	Value	(APM/Day)	(S AMBRU)	Bakings East : Hodge
Financial	Florendtal Option	Call	d/1/2015	1/9/2013	\$4.95	3227367	Citigona Everyy C	HOWER HE LID	Herwy Hub		THE RESERVE	\$2.8150	and the same of
Financial	Financial Option	Put	6/1/2015	1/9/2013	\$4.05	3127307	Chigroup Evergy E	HYMEX NO LID	He my Philo			\$2.8150	
Firuncial	Pinancial Option	Call	E/142016	1/24/2013	\$4,13	3227311	Margan Startey E	HYMEX NO LID	Herely Plub			\$2 8150	
Financial	Financial Option	Fut	4/1/201E	N39/58/7	\$4.13	3227311	Morpon Starley E	NYMEX NO LID	Henry Histo			\$3.0150	
Financial	Pinancial Opion	Call	6/1/2015	B/4/2013	34.10	3227312	JPMagesChese Bask E	SERC	COT		STATE OF THE REAL PROPERTY.	\$2,7200	WEST TOTAL
Financial	Pleancle! Option	Put	6/1/2015	Br(5012	\$4,10	3227313	JPHopothora Saik E	FERC	COT			\$2,7200	
Financial	Financial Opera	Call	8/1/2015	4/14/2014	\$4.17	3227916	Morett ynetsCare E EI4	RENC	Henry Hub		THE PARTY OF	\$2,8700	RESERVED IN
Firential	Passelal Dpl pn	Per	4/1/7015	4714/2018	\$4,17	3227518	Hettil, yeshCare & EM	IFERC	Henry Hub			\$2 8200	
Financial	Financial Option	Call	6/1/2018	B/16/2014	\$4.09	3227519	BRINONTREAL	NAMEX HO C10	Heavy Hids			82.8190	10 TO
Planelyl	Finerated Option	Pal	9/1/2015	S/19/2014	14 09	3027579	BRACHTREAL	HYMEKHGLID	Henry Hub			12 8150	
Fineralel	Firetestil Option	Cat	EFIREIS	6/19/2014	\$4.11	3077511	Morett, ynchCarn II EM	MANEX NO LID	Henry Hub			\$2 8150	
Financial	Financial Option	Pyr	8/1/2015	8/10/2014	\$4.11	3377521	Marrill, yestsCom E EM	MYMEXINGLID	Henry Huts		<b>EDITO E SON</b>	52 #158	SETTING TO
Financial	Financial Option	Cti	MIGOIS	2/16/2014	13 ST	327767	JPMorganChase Bank S.	BEAC	Trensco Zone 4			87 800E	
FRIANCIS	Financial Option	PM	M1/2015	2/10/2014	12 er	37771707	JPMorpanChese Bank &	FERG	Transco Zona 4		#10 V 0 2 E E 4 V	82 9000	
Firuncial	Financial Option	CM	8/1/2015	2/21/2014	\$3 gt	3730363	BILLICHTREAL	#EAG	Heavy Hub		COLOR DE	82 6200	
Financial	Financial Option	Put	6/1/2015	7/21/2014	\$7.01	3734363	BRIMONTREAL	UF ERC	Herry Hab			\$2.8300	
Fluncial	Financial Oction	Gat	8/1/2015	#/20/2014	33.43	3048490	Citigrato Evergy E	FERC	Princip Hido			22,8200	
Fluingial	Financial Option	Put	#1/2HS	8/38/2014	13-83	3245400	Chiproup Everyy E	FERC	Henry Hull		W. B. W	32,8200	
Financial	Finencial Option	Gall	8/1/2015	8/3/2014	\$1.79	3231300	BHIMONTREAL	WERC	Herry Hub			\$2,8200	
Firmetal	FinencialOption	Pel	8/1/2015	B/3/2014	E3 79	3251386	EKLICHTREAL	OF EPIC	Henry Huo			\$2,8200	· · · · · · · · · · · · · · · · · · ·
Finnecal	Firencial Option	Call	8/1/2015	15/13/2014	\$3.77	3264183	JPM:rpsnChase Bank E	IFERG	Havey Hub			\$2 B200	
Financial	Firencial Dyllen	Put	8/1/2015	10/13/2014	23,77	2314163	JPMorganChase Bank E	UFERC	Henry Hub		The state of	32,8200	Elite College
Financial	Financial Option	Call	8/1/2015	10/79/2014	1314	3264285	Morpon Stanley E	FERG	Honey Hub			EZ #200	
Fhercial	Progradul Option	Pat	6/1/2015	18/20/2014	83 64	3260285	Margan Stanley E	#ENG	Henry Hub		TO THE REAL PROPERTY.	SZ 8200	
Financial	Financial Option	Call	6/1/2016	12/3/2014	\$2.01	3279679	Cityroup Energy E	IF EPIC	Hotery 14 <sub>4</sub> b		LOCK CONNE	52 4200	
Flagricial	Firemetal Option	Put	GIV2015	12:3/2014	32 en	3279679	Citympup Energy C	IFERG	Henry Hub			\$2 8200	No.
Firemetal	Financial Option	G-	6/1/2016	1/12/2015	22.00	3252210	Cligrane Energy E	IFEPC	Henry Hub		A STATE OF THE PARTY OF THE PAR	\$2,8200	
Physical	Financial Option	Pel	E/1/2018	1/12/7015	237 619	3290210	Citigramp Energy E	IPENG	Henry Hub			25 3500	
Financial	Financial Option	CH	8/1/2015	1/30/2015	\$2.76	3298153	Marson Stanley E	HYMEN NG LID	Henry Hub		4548 00	E2.8150	
Flooridal	Financial Collen	PM	8/1/2916	1/30/2018	\$2.76	3299143	Librago Startey E	NYMEN NO LID	Harry Hub			57 A150	
Flooreial	Financial Dation	Call	4/1/791S	23/2513	\$2.72	3301239	Montll yech Corn E EN	HYMEX NG LID	Henry Hub			\$2 \$150	S TOTAL A.
Phancial	Financial Daten	24	6/4/2015	2/0/2015	12,72	3301239	Merrit, unch Com E EM	HYMEN NO LID	Heavy Hub			E2 8150	
Financial	Firewalai Opton	Call	6/1/2013	2/17/2015	37.86	2304134	Mazouada Barb Ltd	NYMEX NO LID	Horey Huls		STATE OF THE PARTY OF		
Prencial	Pinamial Option	Put	6/U7915	2/17/2015	22 BB	3304156	Mamuarie Barti (3)	HYMER NO LID	Henry Hub		CHARLES THE PARTY NAMED IN	F2 9150	
Pinancial	Fittershill Option	Call	W1/2013	344/2915	D ES	3319431	Unroen Steeley E	NOMEX NO LID	Henry Hub		Course of the	\$2 0150 53 0150	
Figuredal	Financial Oplica	A	8/1/2015	34/2015	17 m	2319401	Linger Startey E	NYMEX NO LID	Helly Hub		SHE SHE	£2 8150	
Financa)	Financial Outlan	Call	8/1/2015	3/9/7915	12.73	3312102	Margan Stanley E	NYMEX HGLIO	Herry Hub		TO 17 15 16 16	E2 6150	
Flannini	Firencial Option	PM	6/1/2018	3/5/2015	12.73	2312162	Margan Study E	MANEX HO FIO			PROBLEM TO LA	67 6150	
Financial	Floureist Option	CM	9/1/2015	3/25/2015	\$2.79	3317624	BIGADATREAL	NAMES NO FIG	Harry Hub		A STATE OF THE PARTY OF THE PAR	\$2,0150	
Financial	Financial Oction	Put	4/1/2013	3/29/2015	12 79	3317624	BUJONTHEAL	ANNEX HG LID	Henry Hub		CO COLUMN	12.8190	
Francial	Financial Option	EAR	Arresta	4/10/2015		3321624	Seeks Bank		Herry Hub		0.0	12.8190	
Foundat	Finançai Opton	Put	6/1/2015		12.94			HYMEX NG LIG	Herry Hub			\$2,8150	
Financial	Firencial Option	Call	B/1/2013	4/10/2015 5/15/2015	おお	3371694	Scotle Bank Scotle Bank	NYMEX NO LID	Henry Hub Henry Hub		2007	32 8130	

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	Fire relat	Financial Option	Pet	E/1/2015	5/15/2015	1000	2027193	Sopile Bank	HYMEN HOLLIO	Heavy Fluids	\$2.8150		
- 1	Financial	Financial Option	Call	4/1/2015	5/16/2016	\$2.05	3329119	Morgan Stanley &	HYMEX NO LID	Honry Hads	\$7,0150		
Li.	Firencial	Financial Option	P.4	#ULDO15	5/19/2015	\$2 93	3328118	Margan Storiey E	HYMEX NO LID	Planey Huds	\$7 0150	41	
	Financial	Phoneial Swap		C(CD)S	\$100 (\$10Q)*	38 68	3773376	JMIorganChesa Bank E	FERC	Henry Hub	\$2,8700		
吊	Financial	Financial Susp	I	8/1/2015	771 N7067	# 62	3723331	JPMorgunChase Bank E	IFERC	Hanry Hub	\$2 0200		
7	Firercial	Fixancial Emap	1	A/1/2015	7/19/2007	FR 63	3723333	Margan Stanley E	FERC	Henry Hub	E2 8200		
10	Financial	Fixancial Seep		6/1/2015	8/14/2007	\$0.00	32/3336	Morgan Starriey E	#ERC	Heavy Huts	£2 6500		
	Financial	FIRMICIST Swap		6/1/2018	B/2B/2007	88 77	3223424	Mortil, prehitain & EM	RENC	Henry that	27 6200		
7'	Fisheron	Financial Swap	$\top$	M15013	8/13/2007	87 10	3223426	Manquerie Back Ltd	FERC	Henry Hub	\$2 \$200		
	Finencial	Financial Swep		6/1/2013	8/76/2007	14 92	3223428	Morte, yrerCon E EM	PERC	Staroy Shah	\$2 8200		
dr'	Financial	Financial Swep		E110015	10/3/2107	\$6.87	3223422	JPLlorgenChase Bank E	WERG	Harry Hals	37 5200		
	Flaanciel	Financial Swap		4/1/2015	16/18/2007	\$7.05	3223434	Morgan Stanley E	PERC	Henry Hab	\$2,8200		
	Pagrelal	Financial Byras		L/1/2015	11/67/037	\$7.12	322343\$	Morgan Storiey B	SENC	Harry Hult	\$7 8900 T %		
뛰	Financial	Finencial Soup		\$/1/2013	12/10/2007	\$7.54	3223471	Margan Startey E	#FERC	Herry Hab	\$2 \$200		
<u>-</u> 1	Financial	Financial Swap		B105/1/8	13/27/2007	17 81	3223537	Morgan Stanley &	SFERC	Horry Hub	\$7 8200		
<b>-</b>	flaencie!	Finential Swip		VIA:	1/11/2008	\$2,78	3223541	Algryan Startey E	IPEAC	Henry Hub	\$7 5200		
3	Financial	Financial Swep		Ø1:7015	2/13/9004	17,00	3223544	JPMgrysnChasa Bank E	IFERC	Heavy Halls	\$2 9200		
7	Financial	Financial Swep		8/1/2015	4/2/2008	149.43	3723546	Barctoys Bank E	₽FERC	Henry Heb	12 1200		
<u>''</u> 1	Financial	Flesedal Swep		W1/2015	2/73/2008	18.55	3223547	JPs/organiZtaba Bank E	FERC	Hypery Huds	\$2,8200		
	Fleancial	Financial Swap	1	B/L/2015	4/25/2008	\$4,97	3223355	Margen Stanley E	PERC	Henry Huts	32 1200		
9	Florecial	Financial Syste		6/1/201S	6/12/2004	11847	3223562	Berders Back E	IFERC	Havry Huti	\$2,0200	4	
<b>5</b>	Financial	Financial Swep		6/1/2015	7/11/2008	110.30	3223567	Credit Subsected	IFERG	Hanry Hub	\$2 8200	Æ .	
	Flooring	Figured Swap		0/1/2015	19/21/2008	\$7.39	3273569	Morgan Stanley E	WERC	Henry Huts	\$2 B200	4	
3 I	Firmncial	Financial S-ep		0/1/2015	12/2/2008	\$7.54	3223142	Bergleys Back E	MYLEX NO LID	Penny Islan	32 8150	4	
5 I	Financial	Finescial Swap		0/1/2013	L/15/2009	18 84	3223744	Bertleys Bank E	HYVEX NO LIO	Hanry Huts	\$2 8150	4	
5 t	Financial	Financial Seep		B/1/2015	11/7/2012	34.19	3224216	Bersters Berth E	MYNEX NO LIO	Honry Hulb	\$7.8150	4	
<b>&gt;</b> }	Flouretsi	Financial Swep		0/1/2015	11/2/2012	\$4.16	3724219	Gredt Setson Ind	MYNEX NO LIO	Harry Hub	\$7,0150	4	
. I	Financial	Financial Swap	1	#U(7013	1 V13/2012	\$4.2%	3224720	Morgan Stanley E	MUNEX HO LID	Henry Hub	\$2 8150	4	
ž i	Finencial	Financial Swap		&1/2015	L1/13/7012	\$4 20	3774725	Berdays Bank E	HYMEX NO LIO	Herry Hub	\$2,8190		
3 h	Financial	Financial B-op	1	8/1/2019	17/18/2013	\$4.19	3724732	Bordays Bank E	HYLARX NO LIO	Hurry I'ub	\$2 8160 1773	<b>.</b>	
3 j	Financial	Ficandal Seep		M1/2015	11/27/2012	\$4.39	3224745	Mergan Blanky E	MYMEX NO LID	Herry Hub	52 6160	ų	
ť ł	Flooriel	Frencial Snap	1	N1/2015	11/26/2012	84 10	3224252	Barders Bask E	FERC	CGT	\$2,7200	4	
20	Flanacial	Financial Swap	1	6/L/7015	12/10/2012	84.63	3224278	JPM:rganChase Bank E	FERC	GOT	\$2,7200	8	
<u> </u>	Floatcle	Financial Soup		8/1/2013	120772017	\$4.07	3224280	Barders Back E	IFERC	COT	£2 7200		
≓ ເ	Financial	Financial S-ep	-	@1/2013	1/23/2013	\$4.17	3224337	Bartleys Bank E	IFERC	COT	\$2 7290	4	
	Figureial	Fleanchel Sweet	1	6/1/2013	164/2013	14 (1	3224381	JPNermeChas Bark E	FERG	cot		4	
-	Fisancial	Financial Seep	1	E/1/2013	SAV2013	84.11	3224384	JPNoreachers Barin E	FERC	103	\$2 7200	4	
	Financial	Pinencial Smep	1	B/1/7013	3/0/2013	\$4.87	3234308	Mergan Stanley E	IFERC	EGT	\$2 7200		
ا م	Financial	Financial Switz		DIV/2015	2/13/2013	\$4,31	3224509	Margan Stanley E	#EAC	123	\$2 7700		
<u>"</u>	Financial	Financial Sean	1	B/1/2315	3/3/2013	34,14	3224404	Credit Surpe brd	FERC	car	\$2 7200		
<b>-</b>	Financial	Financial Swep	1	WW7315	318/2013		3224618	/PriorganChase Senic E	FERC .	CGT	\$2 7200		
るに	- Marie 1	L breathing Purity		- 61 (1) 12	SUBSECT 2	\$4.10	34441	Numerical Party Communication	PDE	CGI	 EZ 7200	4	

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Financial	Financial Stree	GTROIS	1 3/22/2013	\$413	1 3224620	Cityron Energy E	I FERG	1		DOM: TEXT
Financial	Fire-sole (two)	4/1/2015	3/25/2013	\$4.16	3224621	JPMorperChese Bank		CGT	\$2 7200	240000
Finencial	Financial Swap	Ø1/2015	4/3/9013	E4.14	2224940	Manyario Bank Lad	FEAC	CC1	\$2 7200	
Financial	Financial Supp	E/1/2015	4/9/2013	\$1.07	2224679	Bastleys Bank E	FEAC	car	\$2 7290	
Financial	Financial Seco	8/1/2015	4/16/2013	\$1.16	3334881	PHoparChose Baris		103	\$3 7290	
Financial	Firencial Swag	8/1/2015	4/24/0013	\$4.10	3224682			CGT	\$2 7200	
Financial	Financial Swap	E/LigetS	4(26/3013	8414	2274643	Citigrap Energy E	FERC	CGT	\$2 7200	
Financial	Financial Swap	6/1/2015	3/2/7912	\$4.09	3274684	JPUlorpariChase Back		103	62 7200	
Financial	Planetsi Swep	6/1/2015	8/1/2013	\$4.12	3224693	Morrit. year Care & ESA		COT	\$2.7200	
Financial	Financial Series	6/1/2015	5/14/2013	8412	3224067	JPMergerChase Dark I		COT	\$2 7200	
Financial	Financial Symp	41.0015	\$/28/2013			Lieuperie Berk (14	BEAC	car	\$2 7200	
Financial	Financial Series		_	31.55	3274807	Credit Sulese Inti	IFERC	CBT	\$2 7900	
Financial	Francial Swap	8/1/2015 8/1/2015	E/E/2013	\$4.00	3774813	Month yest Care E EU		COT	\$2,7200	
Floancial	Financial Book	6/1/2013	6/10/2013	84 84	3224616	Credit Selecte Intl	IFERC	Transay Zono 4	\$2,8000	
Financial	Financial Swag		P12/2012	\$4.08	3274817	Stemling Sank E	IFENG	Transco Zune 4	\$2,8000	
Financial	Firencial Swap	6/1/2815	£79/2013	\$4,14	2224018	Margan Stanley 6	FIERC	Trameco Zeno 4	\$2,8000	
Financial	Financial Sissa	&/V2015	6/26/2013	84,84	3224836	JPMorganChane Bank &	FENC	Transco Zone 4	\$2,000	
Financial		6/1/2015	8287013	\$4.07	3224914	MaritLynchCom E (B)	IFERC	Tramico Zone 4	37,0000	
the second second	Finencial Swap	8/1/2015	7/11/2013	\$4.10	3224915	Morgen Stanley E	FERC	Tierecs Zone 4	\$2,000	
Financial	Financial Swap	6/1/2015	7/10/2013	\$4.15	3224916	Morgan Stantey E	IFERC	Terrezo Zona 4		
Financial	Finencial Swap	@r¥2018	7/25/2013	\$4.09	3224919	Cirgraud Energy E	PERC	Trentos Zone 4	\$2 5000	
Financial	Finencial Sires	8/1/2015	7/29/2013	34.02	3224921	JPNogenChess Bank E	IFERC	Transca Zone 4	12 Ming	
Financial	Financial Snep	WIGOTS.	7730/7813	\$4.00	3224973	Credit Suitage and	MERC	Transco Zator 4	57 8000	
Fireful	Financial Swap	6/1/2015	W1/2013	\$4.00	3224925	Chiproup Sirvergy E	PERC	Transca Zone 4	£2 8000	
Financial	Financial Samp	C1/2015	ML/2013	37.00_	3224927	Crada Suinsa Inci	BERC	Transca Zone 4	\$2,0000	
Firtancial	Financial Seap	6/10/015	8/23/2913	\$4.84	3225014	Morgan Stanley E	FERG	Transco Zone 4	\$5 MBDD	
Financial	Financial Swep	6/1/2015	8/28/2812	53 90	3225050	SPMorpanChasa Bank S	FERC	CGT	12 acco	
Finançial	Financial Swee	8/1/2015	8/9/2013	\$3.94	3225037	MoralLyncaCore E EM	WERG	cst	15 1500	
Finançial	Financial Busp	6/1/7015	11/1/2013	\$3.74	3225265	Morgan Stanley E	PERG		5Z 7300	
Financial	Flasachi Gaus	EVIG015	3/27/2014	\$3.97	3220557	MonttlynahCom E EM	FERC	CGT	\$2 7200	
Pirencial	Financial Swee	W1/2015	W2W2014	\$4.18	3238940	BIGACHTREAL		Transco Zong 4	\$2 8305	
Pinangial	Floancial Swag	6/1/2015	10/23/2014	12.40	3267250	JPMorganChese Bank E	IFERG	Hanry I wa	87 8200	
Financial	Financial Swap	0///2016	12/15/2014	13.49	3283784		FERG	CGF	82 7200	
Pleasaint	Finercial Swep	814761E	12/17/2014	83.45	3281453	Macquade Bank (kd	PERC	Transco Zone 4	\$2 BOOD	
Financial	Prosectal Seep	8/1/2015	12/73/2014			Macquaria Dank Ltd	FERC	Tieneto Zone 4	0006 5 2	
Financial	Firencial Swee			\$3.10	3886344	Citigroup Energy E	FERC	Trensca Zone 4	12 atoc	
Financial	Flancist Swep	8/1/2015	1/20/2015	1213	3794 (43)	Macquarle Bank Ltd	IFERG	Transes Zone 4	12,9000	
Financial	Financial Seaso	e/1/2018	1/29/2015	277	3297904		HYMEX HELIO	Henry Hub		
Francial		8/1/7015	2/23/2018	T2 M	2308468		NYMEX HO LID	Henry Hub	\$2,6150	
	Financial Swep	Wilgots	2/26/2018	\$2.78	2307818		MANEXINDFID	Henry Hub	F2 8150	
Financial	Financial Swed	471/2019	3/9/2015	\$2.80	3318108	BISP Parties E.E.U	FERC	FDT Zone 3	\$2 8160	
Financial	Pineratel Simo	A/1/2015	4/9/2015	\$7.50	3321455	BMP Parties E,EU	HYLEY NG LID	Fishey I No.	\$2 6500	
Financial	Proposit Swap	E/1/2015	4/18/2015	32.72	3322467		NYMEX HG L10	Henry IAD	\$2.8150	
Financial	Firensial Swep	8/1/2015	4/70/2016	32.50	2122023	JPVorpanChasa Bask S	IFERC	Transco Zona 4	\$2,0150	
Phranciel	Financial Supp	E/1/2015	4/23/2015	\$7.91	3323620	JPMorganChese Bank E	FERC	FGT Zame 3	32 8000	
Phanciel	Financial Byrap	8/1/2015	4/27/2015	52 49	2374183	Chigana Energy E	FERC	Transco Zone 4	\$2,2500	
Financial	Financial Surap	0/1/2015	5/20/2015	32 88	3329736	BROADWITTE'AL	FERC	Columbia Guil	15,1000	
			-			-		Committee (10)	\$7 7700	

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#### **REDACTED SLIPSHEET:**

47-9: Journal Entry Reports and Trade Settlement / Invoices: (pages 4 through 22-entire document)





-7-1	Anyona ( Financia)	name went	PAGES	Atunt 4	Trade Dric	Market Faire on Trace Cold	Tressium	Scanterporty	Direct.	known.	Valuma	Facilities (SWV302)	Seriement (Craft Blug	Stvings Cottlen Hodge
	Financial	Financial Option	CM	7/1/7516	1/6/2013	\$4.08	3227307	Citigrate Energy E	HYMER HE LID	Henry Hub		1000	57 7730	
S.	Firmretal	Finercal Collen	Put	7/1/2013	149/2013	34.00	3227307	Citigroup Energy E	NYMEX NO LID	Marry Hub			12.7730	
ٔ ب	Prental	Financial Conon	Cut	7/1/2015	1/28/2013	\$4,16	32273(1	Morgen Startey E	HYMEN NO LID	Heavy Hub	20 22 00 10 10		\$7 7730	
ហំ	Pinencial	Financial Option	Put	7/1/2013	1/23/2013	14.10	3227311	Morpon Stenley C	HAMET NO FIG	Herey Hub	STREET, STREET		EJ 7736	
÷.	Pagnosi	Pinapital Option	Gall	7/1/2018	8/42013	HH	2227312	PriorgenChass Bank &	HERC	COT	SEE 10 10 10 10 11 11		\$2,7100	
	Financial	Financial Option	Pul	7/1/2015	EN52813	1417	3227312	JPMarparChasa Bank E		CGT			32.7100	
	Flouricial	Financial Option	Cel	7/1/2015	4/14/2014	\$4.19	3237510	Month, probGom E EM	IFERC	Henry Hub	STREET, STREET		52,7700	THE RESERVE OF THE PARTY OF THE
1	Financial	Financial Dates	PM	7/1/2015	4/14/2014	\$4.19	2277316	Mentil, years Core E.E.M.	SPERG	Herey I 1/0	COLUMN TO STATE OF		\$7.7700	SERVICE ES
< □	Financial	Progressi Defen	CHI	7/1/2015	5/15/2014	\$4.11	3227519	DISACHTINEAL	NYMEX HOLIO	Herey Huts			\$2 7730	
**	Financial	Francial Option	PM	7/1/2015	M16/2014	\$4,11	3227918	BICLIOHTREAL	TYMEN HOLIO	Henry Hub			\$7 7733	
	Financial	Financial Outon	Cia	7/1/2015	8/10/2014	\$4.14	3237531	Mants yeshCon E BU	NYMEX HE LID	Henry Hub			\$2,7730	
<b>(</b>	Financial	Firencial Option	Put	7/1/2015	B/10/2014	\$4.14	3227521	Marit, yeshCore E EM	HMMERHSLID	Herry Hub	Service Control		\$2,7730	DETERMINATES
=	Financial	Financial Delan	Cal	7/1/2015	2/19/2014	\$3.96	2027747	(PhipmenChess Bank E	IFERG	Transport Zame 4			\$27900	
2000	Prendel	Financial Option	Pel	7/1/2015	3/10/7014	\$3 90	3227787	JPMorgenChase Bank E	IFERC	Transco Zone 4			12.7900	
3	Financial	Financial Option	Cell	7/1/2015	7/21/2014	6784	3234363	GICACINTREAL.	IFERC	Henry Hub	STATE OF THE PARTY.		12,7700	
3	Financial	Financial Option	Pet	7/1/2015	7/21/2014	\$3.84	2274782	BIGHONTREAL	IFENC	Henry Hub			\$2,7700	STEED AND ST
_	Pinancial	Financial Opren	Call	1/1/2015	6/29/2014	10 64	3248480	Ellipsoup Emergy E	IFERC	Herry Hub	CETT CONTROL TO		\$2 7700	
o i	Pinencial	Financial Outlan	Pet	7/1/2015	M29/2014	12184	3246490	Chigatago Energy E	IFERC	History Hub	Section 1		\$2,7700	
Ž	Firtancial	Financial Option	CM	7/1/2015	9/3/2014	\$3.62	3251364	BISHONTREML	WERG	Etenry Hub	Allen - Chile		\$2 7700	
	Proportal	Financial Option	PM	7/1/2011	9/3/2014	13.89	3251366	BIOLICATREAL	WERG	Hanry Hub			12 7700	
ਹ ਂ	Fineralal	Financial Option	Cet	7/1/2013	10/13/2014	\$3.00	3294163	JPMorpenChese Bank E	FERC	Henry Hub	SHIELD SEE		\$2,7700	
ocket	Financial	Financial Option	PM	7/1/2015	10/13/2014	\$3.80	3284183	JPMsyserChass Bank E	FERC	Henry Hub	September 1		\$2 7700	
8	FINANCIAL	Flancist Opion	Call	7/1/2015	10/20/2014	22.88	3264285	Margan Stanley E	WENC	Henry HAD	The second		11 7780	
ă	Financial	Flagocial Option	Pal	2/1/2015	10/20/2014	D.M	226.6256	Margan Stanley E	IFERC	Henry Hun			\$2,7700	
- 1	Financial	Projectal Option	Cell	Trugues	12/3/2014	12.90	2279070	Chipton Energy E	FERC	Honry Hub	The second second		\$7 779g	
		THE RESERVE TO THE PERSON NAMED IN	N	T/147049	1873/2014	12 15	2279479	Cityrue Every E	IFERC	Henry Hub	- 15 H 15 H		52 77 <b>9</b> 0	
= :	Financial	Finencial Colon		771/2016 271/2016		The state of the s	3292219	Cityroup Energy E	IFERC	Henry Halls	10000000		\$2 7700	
9	Finandal	Pleandel Cotton	Call		W12/7015	17 26			FERC	Henry H.A	THE REAL PROPERTY.		12 77tg	
3	Financial	Financial Option	M	7/1/2016	1/12/2015	12.13	3292219	Chyme Energy E Uorgan Shalley E	MYNER HG LID	Henry Hub	THE STREET		52 7720	
∢	Properties	Financial Octon	CH	7/1/2015	1/20/2015	D31	3798153			Honry Hub	- DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN		\$2 7730	
₽Đ.	Financial	First Actal Option	- M	7/1/2018	1/20/7015	\$2 E1	3294   53	Margan Stanley 6	HYNEK NG LIO					
4	Financial	Financial Octob	Call	7/1/2015	29/2015	12.71	3301239		NYMEX NG LID	Harry Huti	- CONTRACTOR OF THE PARTY OF TH		\$2 7730	
100	Financial	Payeral Option	Put	711/7013		\$2.79	3301239		MYWEX NG LID	Hanry Hub	BESS TOTAL		\$2 7730	
4	Financial	Phrencial Option	Call	211/2010	2/17/7015	\$2.01	3304156	Micquaria Bank (Jal	HUNEX HOTID	Henry Hub	SECTION 1		\$27730	
<b>5</b>	Financial	Firencial Option	Put	271/3015		17.01	3304168	Macquerio Burk LM	NYMEX HIS LIES	Honry Hub			\$2,7730	
됴	Financial	Firencial Celfon	Call	7/1/2015	347015	\$7.80	3310401	Morgan Steriley E	NAMEX NO FID	Harry Hub	THE REAL PROPERTY.		£7 7730	
0	Firencial	Prancel Option	Pet	7/1/2715	3/4/2015	\$210	3318401	Morgan Startey E	NYMEX HIS LID	Henry Hull	THE PART OF		S2 7730	
-	Financial	Financial Option	Call	771/2015	34/2013	4241	3313102	Morgan Stanley E	NTMEX NG LID	Henry Eul	- A S A S A S		\$2 773G	
>	Financial	Financial Option	Pet	711/2015	3.97215	1281	3315105	Morga a Stanley E	NYMEX HG LID	Henry Hub	THE COLD IN		\$2,7730	
4	Financial	Financial Option	Call	7/1/2015	3/35/2013	12.83	3317521	GRUCONTREAL	NYMEXABLID	Harry Hob	1 To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		\$2 7730	
<b>-</b>	Firencel	Financial Option	M	7/1/2019	305/2015	E2 65	3317524	BILLIGHTREAL	NYMEX NO LID	Herry   lab	1000		12.7730	
-	Financial	Financial Option	Call	71/2015	4/10/2015	12 57	3321624	Scotta Bank	HYDEK NG LID	Herry Hob	nothing E		\$2 7730	
5	Financial	Financial Option	PM	7/1/2015	4/10/2013	\$2.67	3321624	Scote Bank	HYMEX NO LID	Heatry Hub	100		\$2 7730	
_	Finencial	Financial Option	Cat	771/7013	5/15/2013	\$307	33271003	Spot's Beth	INVINEX NO LID	Hamy Hub	I SUNO E		\$2 7730	

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Emanage /	Striktument	FLACE	Hasts	Trade Date	Market Flags on Trace Date	Trace Num	Country may	House	Lacina	Viscon	Freed Fills (\$7502 or)	5110mm-1 (\$1100 lg)	Savings/Gust en Hedge
Firencial	Financial Cyrlan	Pst	7/1/2015	MINORIS	\$307	3327183	Scotta Berti	NTMEX NO LID	Hotey Hub	THE RESERVE		\$7.7730	and the same
Phencial	Financial Option	Cal	771/2015	S/18/2016	1299	3320119	Margen Stanley E	HYMER HOLID	Heavy Profe	The state of the s		82,7720	
Financial	Firehold Option	Pol	771/2015	S/19/2015	\$2.00	3328118	Margan Stereny E	MYMEX NO LIG	Heavy Hub			\$2,7720	
Financial	Finenplai Ophyn	Cell	771/7015	0/10/2015	17 17	11112007	BATHENTHEAT	PRYMEX NG LIG	Henry Hub			\$2 7730	
Financial	Finencial Option	Pet	7/1/2016	8/10/2815	\$2.09	3338907	BRUNDHTREAL	NYMEX NO LIO	Henry Hub	Section 1995	STATE OF THE PARTY	\$2.7730	
Financial	Financial Option	Cell	771/2015	4/16/2015	32.10	3334101	Month, yech Cam E EM		Transco Zene 4	STATE OF		\$2 7990	
Prescui	Financial Option	Pat	7/1/2016	8716/2015	25 66	333410	MonthLynchCom E.EM		Travelos Zone 4	HINS IN		12 7900	
Presental .	Pinencial Coton	CHE	7/1/2015	8/2//2018	H.77	2336412	Mecquirer Bank Ltd	IFERG	Tráreco Zena 4			\$2,7900	
Pirendul	Financial Gaton	Pet	7/1/2015	6/24/2015	12.77	2230012	Adjustments (Salve Ltd.)	#ERC	Transeq Zona 4	THE RESERVE OF THE PERSON NAMED IN	Total Control	\$3.7900	
Financial	Pleanelel Option	CM	7/1/2015	4757015	12.65	3234335	BRIAGHTPIEAL	HAVEX NO FIG	Henry Hub	THE REAL PROPERTY.		\$2,7730	
Peuress	Pruncial Option	Put	7/1/3016	M25/2015	R 45	3336555	BRINGHTREAL	NYMEX NG LID	Florey Hub	2017/2017		\$2,7730	
Protected	Fingnets   Sweet	-	7/1/2015	7,672007	\$8.75	3885338	JPVergenChass Bank E		Herey Hids	The second second		\$2,7700	
Financial	Financial Swee	-	7/1/2015	7/11/2007	58.72	3723331	JPMerperCrass Bank E		Havey Hub	20022011		3.2 77(m)	
Pinanciel	Financial Swap	-	7/1/3016	7/19/2007	\$4.07	75527733	Morgan Stanley E	LITERC	Henry Hub	SECTION SECTION	I THE REAL PROPERTY.	\$7 7780	
Pagretal	Firencial Swep	-	7/1/7015	B/14/2007	87.07	3273334	Morpen Stenley E	IFEAG	Flattry Hull	A STATE OF THE STA		\$3 7700	
Pleancial	Firendal Even	-	7/1/2015	M24.2017	\$2.65	3223474	Montl, yech Core E EU	REAC	Henry Hue			\$2,7700	
Flurcial	Financial Swap	-	771/7015	M12/2007	\$7.18	3723428	Macques to Stank Ltd	SERC .	Heavy Hub	THE RESERVE		\$2 770n	
Fleencial	Financial Sessa	-	7/1/2015	8942007	\$4.14	3223428	Maid, yezhGom E EU	IFERC	History Hub	STATE OF THE PARTY		\$2 7700	
Fleanciel	Financial Since		771/2015	18/3/2007	14 52	3223432	JPMerpenChase Bank E		History Mult	STREET, STREET		\$2,7700	
Finencial	Proncial Smp		771/2015	18/19/2007	\$7.11	2223434	Morgen Stanley E	IFERC	Havey Hub	STATE OF THE PARTY.	STATE OF THE PARTY OF	\$2,7700	
Finencial	Finencial Sings	-	7/1/2015	114/2907	\$7.0	3223439	Morgen Stanley E	WERC	History Hult			\$2 7700	
Financial	Financial Swap	-	7/1/2015	12/10/2007	57 47	3723473	Morgest Starley E	FERC	Henry Hulp			\$2 7700	
Firencial	Financial Swee	-	7/1/2015	12/27/2007	\$7.94	3223537	Morgan Stanley E	#ERC	Henry Hub	V. Prince of the	-44700	\$2,1700	
Financial	Pinancial Swep		7/1/2015	1/9/2008	\$7.86	3223548	Mergen Startey E	IFERC	Henry Hub		SALES IN	E2 7700	
Financial	Firencial Sergy		7/1/2015	2712/2005	\$4.05	3223544	JPHosperCases Barn 6	IFERC	Herey Hub	ALC: NO DESCRIPTION OF THE PERSON OF THE PER		B2 1700	
Finencial	Phindel Syre		7/1/2016	4/2/2008	14.79	3223546	Sanstays Starts E.	FERC	Henry Hut:	A SECTION AND ADDRESS OF THE PARTY OF THE PA		\$2,7700	
Financial	Pronotti Sine		7/1/2015	2/29/2008	\$8.73	3273547	JPMorpanChass Bank E	FERC	Henry Hub			\$2 1700	
Financial	Financial Swag		7/1/7015	4/25/2008	10 07	3223330	Margan Starring E	WENC	Henry Hult	SENS SEE		\$2 7760	
Projector	Finencial Swee		7/1/2015	8/12/2008	\$10.75	3513945	Bircheye Gant E	FERC	Henry Hull			12 77/00	
Pinanciel	Figuretal Sinta	-	7/1/2015	2/11/2008	\$10.30	3213517	Coach Salese tres	IFEAC	Henry Hub	Selling States	PARTIE DE	\$2 1700	
Firetolet	Financial Sarag		7/1/2015	10/31/2008	\$7.49	3223643	Dyeleus Bragnaki.	IFERC	Hanry Hula			32 7700	
Pinancial	Financial Swep		7/1/7015	12/2/7008	\$7.64	3223742	Marcinya Bana E	HYMEX HELID	Henry Hub			\$2 7730	
Fineretal	Financial Susp	$\overline{}$	7/1/2015	1/15/2009	\$7.07	3223744	Barcinys Basis E	HYMEX HGLID	Henry Hub	SETTING TO		\$2 7730	
Pinancial	Financial Swap		7/1/2015	11/7/2012	54.20	3224218	Barclays Sank G	HYLIEX HG LID	Henry Hug			\$7 7730	
FRANCIA	Financial Swep		7/1/2015	11/5/2012	\$4.20	3224213	Credit Suisse Inti	PROMEX MO LIG	Heavy Hub			\$2 7730	
Platectal	Financial Scop		7/1/2015	11/13/2012	H 20	3224220	Morgan Stanley E	MYNEX HG LID	Hapery Huts	THE YOUR	ALC: UNKNOWN	\$2 7730	
Financial	Financial Seas		7711/2015	11/15/2012	M.Zi	2134229	Batcleys Blank B	MYMEX HG LID	Hessy Hub			\$2 7730	
Pleancial	Pinancial Swag		7/1/2015	18/18/2012	ME	3224232	Barcinys Bank E	RYMER HIS LID	Henry Hub		40000	12.7730	
Prencial	Pinential Settl		7/1/2015	11/27/2012	\$4.30	3224245	Morgan Stanley &	NYVEX NG LID	Henry Hub			\$2.7730	
Pleancial	Financial Swep		7/1/2015	11/28/2012	14.19	3224252	Barclays Blank E	IFERC	CGT		TELESCO E	\$27180	
Trencial	Financial Singo		7/1/2015	12/10/2012	\$4.07	3274216	JPMorphichann Bank E	IFERC	CGT		ULES BUT	\$2 7100	
Financial	Financial Seep		7/1/2015	12/27/2012	\$4.11	3274760	Barcteye Gard, E	#EPC	CGT		1		
Firancial	Flyuncial Swap		7/1/2015	1/23/2013	54.20	22/27	Barchys Bank E	IFERC	CGT			\$2,7100 \$2,7100	





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Financial	Financial Swap	771/701		\$4.16	3224341	JPMerperCress Bank E		COT	TOTAL DESIGNATION OF THE PERSON NAMED IN COLUMN	-	\$2.710a	
Financial	Flourish Surp	7/1/20:		\$4,65	3234344	JPMorganChese Bank E	IFERC	COT	STATE OF THE PARTY		\$2.7100	
Financial	Financial Emag	Tringol:		\$4 10	3224608	Morgan Stanley	IFERC	CST	STATE OF THE PARTY.		\$2 7100	
Financia)	Financial Broop	771/201		\$6.14	3224505	Morgen Stanley E	WERG	COT	The state of		\$2.7100	
Financial	Financial Swee	7/1/200	3/5/2013	34 17	3224804	Credit Sulpse Inti	IFERC	CDT			\$2,7100	
F nanciel	Firancial Swee	\$11/ <b>3</b> 011	5/18/2013	\$4.10	3924018	JPMcrganChine Blok E	FERC	COT	200220000		82 7100 82 7100	
Financial	Financial Swap	7/1/2015	372/2013	\$1.17	3224629	CRigrap Energy E	FERC	COT	THE REAL PROPERTY.			
Financial	Financial Swep	7/1/7015	376/2513	\$4.19	3224621	JPMmpenChase Bank E		COT	THE REAL PROPERTY.	The second second	\$2.7100	
Financial	FIRS/call Susp	7/1/3019	4/3/2013	\$4.17	3224640	Messpeerie Bank (a)	SERC	COT	- 25 CO   25 CO   10 C		82,7100	
Financiel	Financial Swap	7/1/2015	4/8/2013	\$4.10	3224879	Bertleys Bark E	PERC	COT	STATE OF THE PARTY		\$27(00	
Financial	FRENCIAL Swig	311/201	4/(0/2013	\$4.19	3224661	JPNagerChase Strk E		CGT			92.7100	
Financial	F-mancial Europ	771/2815	4742013	\$4.19	3224482	Congrue Energy E	#FERC	COT	THE RESERVE OF THE PERSON NAMED IN		\$2,7100	
FIMECAL	F-narcial 5-ep	7/1/2045	4/25/2013	\$4.17	3224683	JPMergenChase Barn E	<b>VERC</b>	CBT	SECTION SECTION		\$7 7100	
Finencial	F-concret Swap	7/1/2015	\$4273013	\$4.12	3224684	Ments, yeshCore E ELI	#ERC	CGT	THE REAL PROPERTY.		52 7106	
Financial	First Sees	7/1/7011	9/7/2013	\$4.14	329-4693	JPWorganCharar Bank E		C07	BITTE WATER	THE REAL PROPERTY.	\$2 7100	
Phoncial	(Financial Swep	711.7011	\$1147913	\$4.15	3324637	Macquerie Bark Ltd	PERC	COT			52 7160	
Phandal	Financial Swep	7/1/2915	5/29/2013	\$4.20	3224007	Credit Salesa Inci	FEAC	COT	THE REAL PROPERTY.	THE PARTY NAMED IN	877100 V 5	
Financial	Firencial Swep	7/1/2015	69/2013	\$4.12	3274113	Monte, year Cam E EM	FERC	COT			\$2 7100	
Fingneial	Financial Swep	771/2018	6/10/2913	\$4.16	3224615	Credit Suisse Inti	WERC	Transon Zone 4	100 S X 100 S		\$2.7100	
Financial	First rotal Swap	7/1/2015	6/12/2013	\$417	3224017	Barclays Bank E	FERC	Transce Zone 4	Telephone 1972	The state of the s	\$2,7900	
Firencial	Financial Swep	7/1/2015	W20/2013	\$4.17	3224010	Margan Stanley E	FÉRC	Transon Zone 4		100	\$5.790Q	
Financial	Pinancial Swep	7/1/2015	6/25/2013	\$1.12	3224828	JPLingerChass Back E	FERC	Transco Zono 4			327900	
Tinencial	Financial Swep	7/1/2019	6/25/2013	\$4.11	3224914	Month, ynchGom E EM	IFERC	Transes Zone 4			\$27900	
Prancial	Financial Swap	7/1/2015	7/1 W2013	\$4.14	3274919	Morgan Stanley E	IFEAC	Transca Zone 4	MANUFACTURE OF THE PARTY OF THE		\$27900	
Financias	Fearciel Sursp	7/1/2019	7/16/2013	\$4 19	3274918	Morgan Stanley E	IFERC	Transas Zana 4	STATE OF THE PARTY		\$27000	
Pinancial	Financial Swap	7/1/2015	7/25/2013	84 12	3234919	Citizens Energy E	IFERC	Tiereto Zane 4		HIND VALUE	12 7900	
Financial	Phoneial Seep	7/1/2015		\$4.05	3224921	JPMarparCrass Bank E	ITERC	Transes Zone 4	ADDRESS OF THE PARTY OF THE PAR		127900	
Financial	Financial Beep	7/1/2015	7/30/2013	\$4.84	3234923	Cred   Subset Ind	IFERC	Transca Zana 4	The second second	STREET, STREET,	\$27900	
Financial	Financial Sees	7/1/2015	E/1/2013	\$483	3224925	Citigroup Energy E	WERC		STATE OF THE PARTY OF	CONTRACTOR OF THE PARTY.	\$27900	
Financial	Finencial Sweet	7/1/2015	45/2013	\$4.00	3224327	Credit Subsected	IFERC	Transp Zana 4			\$5 7900	
Flaandal	Finance Swee	771/2018	\$42.72D13	\$4.67	3229644	Morgan Stanley E	IFERC	Trittico Zone 4	A Commence	LUES LIVE	\$2,7900	
Financial	Financial Breag	7/1/2015	879/2013	\$4.01	37229050	JPManjarChasa Bonk S	FTAC	Transco Zone 4	RO MILITARY	A A NEW YORK	82 7600	
Fitancial	Financial Susp	771/2015	8/9/2513	12 M	3229037	Mentil, yechicam & Eld		CGF	2 2 2	Commercial	\$27100	
Financial	Firement Swap	7/1/2015	191/2013	53.76	3229265		IFERG	CGT	ETT OFF		\$2 7100	
Phinds	Preside Swep	7/1/2015	377/2814	\$3.99	2274547	Margan Stanley E Marst, ynshiCom E EM	IFERC	CGT	E 2 1 2 2 2 1	WEIGHT A	\$2.7100	
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#### **REDACTED SLIPSHEET:**

47-10: Journal Entry Reports and Trade Settlement / Invoices: (pages 5 through 12-entire document)

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DEF 2015 Hedging Audit. Docket No. 150001-E1; ACN 15-051-2-1

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DEF 2015 Hedging Audit. Docket No. 150001-EI; ACN 15-051-2-1

#### **REDACTED SLIPSHEET:**

47-11: Journal Entry Reports and Trade Settlement / Invoices: (pages 4 through 11-entire document)

# **DUKE ENERGY FLORIDA Confidentiality Justification Matrix**

DOCUMENT/RESPONSES	PAGE/LINE <sup>1</sup>	JUSTIFICATION
Staff Audit Work Papers	2: Hedging Summary by	§366.093(3)(d), F.S.
related to DEF's 2015	Commodity- Page 1: Jan-Dec 2014 (savings/costs, hedged	The document in question
Hedging Activities	volumes, hedged burns & hedged	contains confidential
(Audit Control No. 15-051-2-1)	%'s) Page 2: January –July 2015	information, the disclosure of
	(savings/costs, hedged volumes,	which would impair DEF's
	hedged burns & hedged %'s)	efforts to contract for goods or services on favorable terms.
	2: Page 3 through 24: DEF Gas	services on favorable terms.
	Hedging Status (activity for	§366.093(3)(e), F.S.
	January through December 31, 2014) (volume, fixed price, and	The document in question
	savings/cost on hedge)	contains confidential
		information relating to
	2: Page 25: DEF Gas Storage	competitive business interests,
	Hedging Status (activity for January through December 31,	the disclosure of which would
	2014) (volume, fixed price,	impair the competitive
	savings/cost on hedge)	business of the provider/owner
	2: Page 26: DEF #2 Oil Hedging	of the information.
	Status January through December	
	31, 2014) (volume, fixed price,	
	and savings/cost on hedge)(2	
	pages)	
	2: Page 27: DEF Coal	
	Transportation Hedging Status-	
	Barge January through December 31, 2014) (volume, fixed price,	
	and estimated savings/cost on	
	hedge).	
	2: Page 28: DEF Coal	
	Transportation Hedging Status-	
	Rail (volume, fixed price, and	
	estimated savings/cost on hedge).	
	2: Page 29: Forecast Burns	
	(January through December	
	2015) (Forecast burns (barrels), Hedged volume and % hedge	
	Traged volume and /o neage	

<sup>&</sup>lt;sup>1</sup> Page numbers provided are the Staff auditor's pages numbers hand-written on the documents

- 2: Page 30 through Page 40: DEF Gas Storage Hedging Status (activity for January 2015 through July 31, 2015) (volume, fixed price, savings/cost on hedge, % hedged)
- 2: Page 41: DEF #2 Oil Hedging Status (activity for January 2015 through July 31, 2015) (volume, fixed price, and savings/cost on hedge, % hedged)
- 2: Page 42: DEF Gas Storage Hedging Status (activity for January 2015 through July 31, 2015) (volume, fixed price, savings/cost on hedge, % hedged)
- 2: Page 43: DEF Coal Transportation Hedging Status Barge (activity for January 2015 through July 31, 2015) (volume, fixed price, and estimated savings/cost on hedge, total estimated hedged exposure).
- 30: Actual Hedging Goals vs Hedging results (entire doc.).
- 30/1: Hedged Exposure (entire document)
- 30-1: 2015 Risk Management Plan: Coal & Light Oil forecast burns.
- 30-2: 2015 Risk Management Plan: Natural Gas and Economy Power Purchases and Sales forecast burns
- 30-3: 2015 Risk Management Plan: (Natural Gas target hedging volumes & percentages)
- 30-4: 2015 Risk Management Plan: (Light Oil, Coal Rail and River Transportation Fuel Surcharges target hedging volumes & percentages)
- 45: Reconciliation of Tolling Cost- Shady Hills Tolling Charges (entire document)

- 45-1: Documentation Supporting Tolling Cost for October 2014 Shady Hills Invoice (page 1: entire doc; page 2: price calculations; and page 3: MWs, fixed price, and adjustments).
- 45-2: Documentation Supporting Tolling Cost—Shady Hills Invoice for March and April 2015 (page 1 and page 2: entire doc; Shady Hills page 3: price calculation, and page 4: MWs, fixed price, and adjustments).
- 45-3: Exhibit A: Capacity Price; page 1 of 22: entire document.
- 45-3: Exhibit B: VOM Price; page 2 of 22: entire document.
- 45-3: Exhibit C: Start Fee; page 3 and page 6 of 22: entire document.
- 45-3: Exhibit D: Calculations of Actual Equivalent Availability; page 4 and page 7 of 22: entire document.
- 45-3: Exhibit E: Calculations of the Availability Rebate; page 5 and page 8 of 22 pages: entire document.
- 45-3: Exhibit C: Start Fee; page 6 of 22: entire document.
- 45-3: Exhibit D: Calculations of Actual Equivalent Availability; page 7 of 22: entire document.
- 45-3: Exhibit E: Calculations of the Availability Rebate; page 8 of 22: entire document.
- 45-3: Exhibit F: Performance Information; page 9 of 22: entire document.
- 45-3: Exhibit G: Operational Limitations; pages 10 and 11 of 22: entire document.

- 45-3: Exhibit H: Notices; page 12 of 22: entire document.
- 45-3: Exhibit I: Insurance; pages 13 through 15 of 22: entire document.
- 45-3: Exhibit J: Fuel Oil Specifications; page 16 of 22: entire document.
- 45-3: Exhibit K: Form of Guaranty; pages 17 through 21 of 22: entire document.
- 45-3: Exhibit L: Demonstrated Capacity Adjustment Factors; page 22 of 22: entire document.
- 46: Regulated Fuels Inventory Mgmt Process – Segregation of Duties (pages 1 & 2 entire document)
- 46: Pages 3 through 6-DEP, DEF, & DEC 2014 Regulated Trading Cycle.
- 46-1: Business and Work Flow Narrative 2014 (entire doc – pages 1 through 11-page 1 numbered twice)
- 47: Hedging Activities -August 1, 2014-July 1, 2015) (savings/cost on Hedge)
- 47-1: DEF Financial balance Sheet pages 1 through 3 (entire columns-volume, fixed price, and savings/cost on hedge)
- 47-1: Pages 4 through 30 of 31: Journal entry reports and Trade Settlement/Invoices (entire document)
- 47-2: DEF Financial balance Sheet pages 1-3, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)
- 47-2: Pages 4 through 30 of 31: Journal entry reports and Trade

Settlement/Invoices (entire document)

47-3: DEF Financial balance Sheet pages 1-3, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)

47-3: Pages 4 through 17 of 18: Journal entry reports and Trade Settlement/Invoices (entire page)

47-4: DEF Financial balance Sheet pages 1-2, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)

47-4: Pages 3 through 19 of 20: Journal entry reports and Trade Settlement/Invoices (entire page)

47-5: DEF Financial balance Sheet pages 1-2, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)

47-5: Pages 3 through 18 of 19: Journal entry reports and Trade Settlement/Invoices (entire document)

45-6: DEF Financial balance Sheet pages 1-2, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)

45-6: Pages 3 through 16 of 17: Journal entry reports and Trade Settlement/Invoices (entire document)

47-7: DEF Financial balance Sheet pages 1-2, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)

47-7: Pages 3 through 22 of 23: Journal entry reports and Trade Settlement/Invoices (entire document)

47-8: DEF Financial balance Sheet pages 1-3, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge)

47-8: Pages 4 through 17 of 18: Journal entry reports and Trade Settlement/Invoices (entire page) 47-9: DEF Financial balance Sheet pages 1-3, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge) 47-9: Pages 4 through 22 of 23: Journal entry reports and Trade Settlement/Invoices (entire page) 47-10: DEF Financial balance Sheet pages 1-4, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge) 47-10: Pages 5 through 12 of 13: Journal entry reports and Trade Settlement/Invoices (entire page) 47-11: DEF Financial balance Sheet pages 1-3, (entire columnsvolume, fixed price (\$/MMBtu) & savings/cost on hedge) 47-11: Pages 4 through 11 of 12:

Journal entry reports and Trade Settlement/Invoices (entire page)

# Exhibit D

# AFFIDAVIT OF JOSEPH MCCALLISTER

#### BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and purchased power cost recovery clause with generating performance incentive factor.

Docket No. 150001-EI

Dated: October 7, 2015

#### AFFIDAVIT OF JOSEPH MCCALLISTER IN SUPPORT OF DUKE ENERGY FLORIDA'S REQUEST FOR CONFIDENTIAL CLASSIFICATION

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

BEFORE ME, the undersigned authority duly authorized to administer oaths, personally appeared Joseph McCallister, who being first duly sworn, on oath deposes and says that:

- 1. My name is Joseph McCallister. I am over the age of 18 years old and I have been authorized by Duke Energy Florida (hereinafter "DEF" or the "Company") to give this affidavit in the above-styled proceeding on DEF's behalf and in support of DEF's Request for Confidential Classification (the "Request"). The facts attested to in my affidavit are based upon my personal knowledge.
- 2. I am the Director of Natural Gas, Oil and Emissions in the Fuel Procurement Department. This section is responsible for natural gas, fuel oil and emission allowance activity for the Duke Energy Indiana (DEI), Duke Energy Kentucky (DEK), Duke Energy Carolinas (DEC), Duke Energy Progress (DEP), and DEF Systems.
- 3. As the Director of Natural Gas, Oil and Emissions, I am responsible, along with the other members of the section, for the management of the gas and oil

procurement, transportation, hedging activities and administration of gas and oil contracts with various suppliers for DEI's, DEK's, DEC's, DEF's and DEP's electrical power generation facilities.

- 4. DEF is seeking confidential classification for information contained Staff's audit work papers pertaining to DEF's 2015 Hedging Activities Audit (*Audit Control No. 15-051-2-1*). A detailed description of the confidential information at issue is contained in confidential Exhibit A to DEF's Request and is outlined in DEF's Justification Matrix that is attached to DEF's Request as Exhibit C. DEF is requesting confidential classification of this information because it contains sensitive business information, the disclosure of which would impair the Company's efforts to contract for goods or services on favorable terms.
- 5. DEF conducts hedging activities and negotiates with potential fuel suppliers to obtain competitive contracts for fuel options that provide economic value to DEF and its customers. In order to obtain such contracts at competitive prices, however, DEF must protect from public disclosure sensitive business information, such as internal hedging practices and procedures, hedging volumes and transactions, hedging forecasts, percentages, and pricing information. With respect to the information at issue in this Request, DEF has kept confidential and has not publicly disclosed this confidential information. Absent such measures, suppliers and market competitors would have access to sensitive business information DEF uses to plan and execute its fuel procurement processes. With this non-public information, those suppliers or market competitors could alter their behavior to the detriment of DEF and its customers. Without DEF's measures to maintain the confidentiality of this information, the Company's efforts to obtain

competitive fuel supply options that provide economic value to both DEF and its customers could be undermined.

- 6. Upon receipt of confidential information from fuel suppliers, and with its own confidential information, strict procedures are established and followed to maintain the confidentiality of the terms of the documents and information provided, including restricting access to those persons who need the information to assist the Company, and restricting the number of, and access to the information and contracts. At no time since receiving the contracts and information in question has the Company publicly disclosed that information. The Company has treated and continues to treat the information and contracts at issue as confidential.
  - 7. This concludes my affidavit.

Further affiant sayeth not.

Dated the 5th day of October, 20	Joseph McCallister Director – Natural Gas, Oil and Emissions Fuels Procurement Department Duke Energy 526 South Church Charlotte, NC 28202
	$\Gamma$ was sworn to and subscribed before me this
	Callister. He is personally known to me, or has
produced his drive	er's license or his

as identification.

\*\*Catile Jamieson\*\*
(Signature)

\*\*Katile Jamieson\*\*
(Printed Name)

NOTARY PUBLIC, STATE OF NC

\*\*Lune 14 2016
(Commission Expiration Date)

\*\*Notary Public Mecklenburg County\*\*

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