

Unitil Energy Systems, Inc. Contingency Plan for Default Service

UES RFP

- UES's next default service request for proposals (RFP) will be issued August 26, 2014.
- Solicitation will be for default service effective December 1, 2014 through May 31, 2015.
- Solicitation will be for a 100% load share for the small (Domestic); medium (G2 & OL) and large (G1) customer groups.
- The small and medium solicitations are for fixed monthly prices and the large solicitation is for variable monthly prices (a LMP model plus a fixed monthly adder).

Issue

- Over the last few years, there has been a decline in participation in the RFP process for various reasons. For example, last year, ISO New England implemented a winter reliability program and uncertainty regarding cost allocation led to a decline in RFP participation. Ultimately, the costs of the winter reliability program were allocated to the real-time load obligation. ISO New England is proposing to implement a winter reliability program for the 2014/15 winter season with costs to be allocated to real-time load obligation which is paid by the load serving entities.¹
- If participation declines to where there are no bidders willing or able to provide fixed-price bids for a default service customer group load; or if the results are not consistent with a competitive solicitation, a supplier may not be selected and awarded to supply a default service customer group and a failed auction may result.
- UES believes that the likelihood of a failed auction is low as there appear to be suppliers willing to provide this service as long as they can continue to recover their costs in their pricing (bids). However, the Company is taking this opportunity to advise the Commission of several of the alternatives it has and the steps it would take to ensure that default service remains available to its customers. Most importantly, should the potential for a failed auction become significant, UES will contact the Commission and Commission Staff to discuss the Company's contingency plan.

¹ <http://isonewswire.com/updates/2014/7/14/iso-ne-and-nepool-file-proposal-with-ferc-to-implement-a-win.html>

Communication

- Consistent with its normal practices, UES plans to be in direct contact with potential bidders early on in the RFP process in an effort to assess the viability of the current solicitation. UES believes that these early contacts will allow it to gauge the responsiveness of the market.
- In the event that the RFP process results in no bidders, UES would consider the following options. The specific option chosen would depend on what is learned through discussions with potential bidders and former suppliers, the Company's assessment of market conditions, and discussions with the Commission and Commission Staff.

Contingency Plan Options

- Option 1: UES would issue a new RFP for an abbreviated procurement period as soon as reasonably possible.² The new RFP would seek fixed price offers for the specific customer group(s) for a period of 1 month to 3 months under otherwise standard terms of default service procurement. If such an approach were followed and successful, UES would require multiple solicitations but would preserve access to fixed price service. Depending on the timing of such make-up RFPs, UES could require a waiver of customer notice provisions.

[Potential timing: New RFP issued on September 30th approx. 60 days prior to service. Timing of additional RFPs would also need to be determined.]³

- Option 2: UES would issue a new RFP for the 6 month procurement period as soon as reasonably possible.⁴ The new RFP would seek offers for the specific customer group(s) where the supplier would be asked to bid a fixed monthly adder to cover capacity costs, ancillary services costs and the supplier's margin, similar to what is currently solicited for in UES's large customer group. UES would follow the process used for the large customer group to set retail customer prices each month.

[Potential timing: New RFP issued on September 30th approx. 60 days prior to service.]⁵

- Option 3: UES would issue a new RFP for the 6 month procurement period that seeks offers that include a pass-through of all costs (energy, capacity and ancillary services). Suppliers would be asked to submit bids for the margins to be included in the pricing of default service.⁶ These costs would flow through the winning bidder's ISO New England settlement account. UES would seek to maintain its routine monthly payment schedule with the supplier. UES would follow a similar process as that used for the large customer group to set retail

² Indicative pricing bids are due September 16, 2014 which is 75 days prior to the start of service.

³ Timing may require the waiving of customer notice provisions.

⁴ Indicative pricing bids are due September 16, 2014 which is 75 days prior to the start of service.

⁵ Timing may require the waiving of customer notice provisions.

⁶ The lowest margin bid would be the winning supplier.

customer prices each month, but would have to estimate capacity and ancillary costs.

Potential timing: RFP issued on October 21st approx. 40 days prior to service.]

- Option 4: UES would explore serving its default service load obligation through its ISO New England settlement account. There are a number of factors that would need to be considered and evaluated as this methodology would likely be a more costly alternative. In the event that this last-resort alternative was to be used, UES would seek to minimize the length of time this was in place and would continue pursuing other viable solutions in the interim.

Potential timing: November 11th approx. 20 days prior to service.]

DE 16-250– Unitil Energy Systems, Inc.

**Default Service RFP
Bid Evaluation Report**

Small Customers (100%): December 1, 2016 – May 31, 2017
Medium Customers (100%): December 1, 2016 – May 31, 2017
Large Customers (100%): December 1, 2016 – May 31, 2017

RFP Issue Date: August 30, 2016

Filing Date: September 30, 2016

Unitil Energy Systems, Inc. (“UES”)
Default Service RFP
Bid Evaluation Report

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Unitil Energy Systems, Inc. Bid Evaluation Report

Introduction

On Tuesday August 30, 2016, UES announced that its Request for Proposals (“RFP”) for Default Service (“DS”) supplies for the period beginning December 1, 2016 was available. In accordance with UES’s DS supply proposal as approved by the Commission in Order No. 25,397 (“the Order”), UES issued this RFP to obtain fixed monthly price offers to supply one-hundred percent (100%) of the small and medium customer groups for the six-month period beginning December 1, 2016. In addition, UES also sought variable monthly prices to supply one-hundred percent (100%) of the G1, or large customer default service group, for a six-month period beginning December 1, 2016. The RFP sought monthly adders (which would be fixed for the month, but could vary by month) that would be added to the real-time locational marginal price to determine the wholesale cost.

The RFP document issued on August 30, 2016, was consistent in form and substance to the prior RFP issued by UES on March 1, 2016. On September 6, 2016, UES filed with the Commission a redlined version of the current RFP, marked to show changes from the RFP issued on March 1, 2016. A copy of the RFP documents issued to the market on August 30, 2016, including the Proposal Submission Form, the proposed Power Supply Agreement (“PSA”), the proposed PSA Amendment, and Non-Disclosure Agreement are attached to the petition as Schedule LSG-2.

UES received a positive response to this RFP, receiving bids from qualified suppliers who competed to serve the load requirements. The winner of the six-month small customer (Non-G1) default service requirement was NextEra Energy Power Marketing, LLC (“NextEra”) and the winner of the six-month medium customer (Non-G1) default service requirement was also NextEra Energy Power Marketing, LLC (“NextEra”). UES awarded the six-month large customer (G1) default service requirement to Exelon Generation Company, LLC (“Exelon”). These suppliers offered the best overall value for

the service requirements. The default service power supply prices obtained by UES are the result of a competitive solicitation and are reflective of current market conditions. This Bid Evaluation Report (“Report”) describes UES’s solicitation process and its selection of the winning bidders.

UES’s comparison of bids, which is confidential and for which UES seeks protective treatment as described in the cover letter and motion for protective treatment accompanying this filing, is included in Tab A to this Report. Details of the market response, including bid prices, and certain non-price considerations and selection rationale, are also included in the Tab A materials.

Solicitation Process

UES accomplished market notification of the RFP by announcing its availability electronically to all participants in NEPOOL, in particular, to the members of the NEPOOL Markets Committee and NEPOOL Participants Committee on Tuesday, August 30, 2016. UES also announced the issuance of the RFP to a list of contacts from energy companies who have previously expressed interest in receiving copies of UES’s solicitations. During the process of soliciting interest in the RFP, the list was updated as appropriate. The list includes individuals representing 24 separate power suppliers who were provided with the announcement; this count does not include other distribution companies, consultants, or brokers (unless working on behalf of a named client who might participate), or members of public agencies. In addition, UES issued a media advisory to a number of power markets publications announcing the issuance of the RFP.

The RFP documents and accompanying data files were provided to interested parties using Unitil Corporation’s website (www.unitil.net/rfp), under “Current Procurement” for UES (please note, those documents can now be found under the “Concluded Procurements” section). The RFP described the specifics of UES’s DS, the related customer-switching rules, the form of power service sought, and the evaluation criteria. The RFP documents included a Proposal Submission Form, a proposed PSA, proposed PSA Amendment for use by existing suppliers, a Non-Disclosure Agreement, and various data files.

To gain the greatest level of market interest in supplying the loads, UES provided potential bidders with appropriate and accessible information on its RFP website. Along with the RFP, UES provided potential bidders with historical hourly loads and daily capacity tag values for UES's DS customers for the period from January 1, 2009 through August 31, 2016. UES also provided an Excel spreadsheet containing historic retail monthly sales and customers reports from May 2003 through August 2016. The monthly reports detail by customer rate class the monthly retail billed kWh sales and the number of customers receiving DS and competitive generation supply. Also provided to potential suppliers was class average load shape (8760 hours) data and distribution loss factors associated with each rate class. Lastly, UES provided Bid Sheets with estimated monthly volumes expected to be purchased under default service for the term during which service was sought. As described in the RFP, UES used these estimated monthly loads to evaluate and weigh competing bids in terms of price. In the RFP, UES refers to these estimated loads as the "evaluation loads." The RFP makes clear that the supplier's obligation is for actual loads and is not in any way limited by the RFP's use of the evaluation loads.

Throughout the solicitation, UES contacted potential bidders, responded to bidder questions, researched bidder qualifications and actively participated in maintaining bidder interest through regular telephone and electronic communications. UES did not discriminate in favor of or against any individual potential supplier who expressed interest in the solicitation, but endeavored to assist each interested bidder in their understanding of the transaction sought via the solicitation.

On Tuesday, September 20, 2016, UES received proposals from respondents that included detailed background information on the bidding entity, proposed changes to the contract terms and indicative pricing. UES reviewed the proposals and worked with the bidders to establish and evaluate their creditworthiness, their extension of adequate credit to UES to facilitate the transaction, their capability of performing the terms of the PSA in a reliable manner and their willingness to enter into contractual terms acceptable to UES.

UES negotiated with all potential suppliers who submitted proposals to obtain the most favorable contract terms. All bidders were invited to submit final bids.

On Tuesday, September 27, 2016, UES received final pricing from bidders and conducted its evaluation. UES selected and notified NextEra that they were the winner of the small and medium default service requirements and notified Exelon that they were the winner of the large default service requirement. All other bidders were notified that they were not selected.

Selection of Winning Bidders

UES based its selection of the winning bidders on both quantitative and qualitative criteria. When the indicative bids were received, UES coordinated with bidders to obtain the best non-price terms each bidder was willing to offer and to establish confidence in each bidder's ability to perform. When final bids were received, UES compiled weighted average prices using the evaluation loads that were issued to bidders along with the RFP. UES then evaluated the price and non-price aspects of the final bids received. The comparison of bids contained in Tab A, which is confidential and which includes materials documenting UES's rationale for its selection of the winning bidders, is attached.

DE 16-250 – Unitil Energy Systems, Inc.

**Default Service RFP
Bid Evaluation Report**

Small Customers (100%): December 1, 2016 – May 31, 2017
Medium Customers (100%): December 1, 2016 – May 31, 2017
Large Customers (100%): December 1, 2016 – May 31, 2017

RFP Issue Date: August 30, 2016

**TAB A
REDACTED ATTACHMENT**

Filing Date: September 30, 2016

Unitil Energy Systems, Inc. (“UES”)
Default Service RFP
Bid Evaluation Report

Tab A. Comparison of Bids

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- Non-G1 Summary Pricing

Tab A(3) REC Purchases for RPS Compliance

Tab A(4). Comparison to NYMEX Futures

Tab A(5). Financial Security Requirements

Tab A(6). Proposal Submission Forms

Tab A(7). RFP Contact List

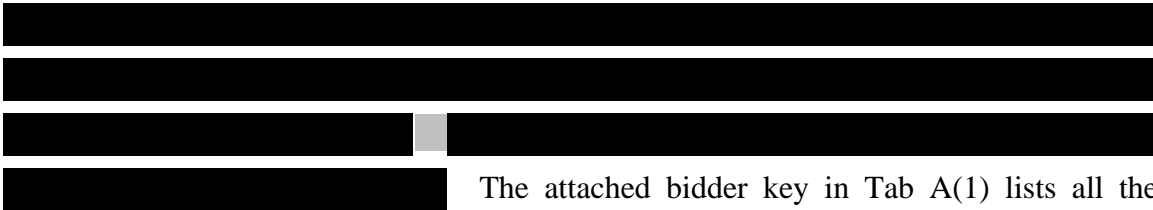
Tab A(8). Redlined Power Supply Agreements

Unitil Energy Systems, Inc. Bid Evaluation Report - Tab A

Discussion of Results

On Tuesday, September 27, 2016, UES selected NextEra Energy Power Marketing, LLC (“NextEra”) as the winning bidder of the six-month small customer (Non-G1) supply requirement (a 100% share), NextEra Energy Power Marketing, LLC (“NextEra”) as the winning bidder of the six-month medium customer (Non-G1) supply requirement (a 100% share) and Exelon Generation Company, LLC (“Exelon”) as the winning bidder of the six-month large customer (G1) supply requirement (a 100% share). The supply requirements are for the provision of default service power supplies beginning December 1, 2016. As shown in the attached pages, the winning bidders represent the results of an open, competitive solicitation process.

Bidding Activity



The attached bidder key in Tab A(1) lists all the participating suppliers. UES evaluated the pricing as competitive and proceeded to contract with suppliers.

Selection of Winners

The pricing comparison summaries shown in Tab A(2) list the bids received and ranks the bids according to price. The summaries also indicate the payment terms negotiated with each bidder and the interest costs associated with the payment terms calling for payment earlier than the end of the month after service is delivered. The total costs, and the deltas from the low price bidder’s costs, listed in these sections include the interest costs associated accelerated payment terms.

Contract Provisions

To implement the transactions, UES executed an Amendment to the existing PSA with NextEra and an Amendment to the existing PSA with Exelon. Redlined versions of the Amendments to the PSA issued with the RFP are attached as Tab A(8). The Amendments do not add any new terms; rather they add the new transactions to the existing PSAs. The two Amendments are subject to termination if UES is unable to obtain Commission approval of the Petition by October 15, 2016. UES respectfully submits that a Commission decision by October 7, 2016, in accordance with the schedule established in Order No. 24,511, is important to the ongoing vitality of the solicitation process.

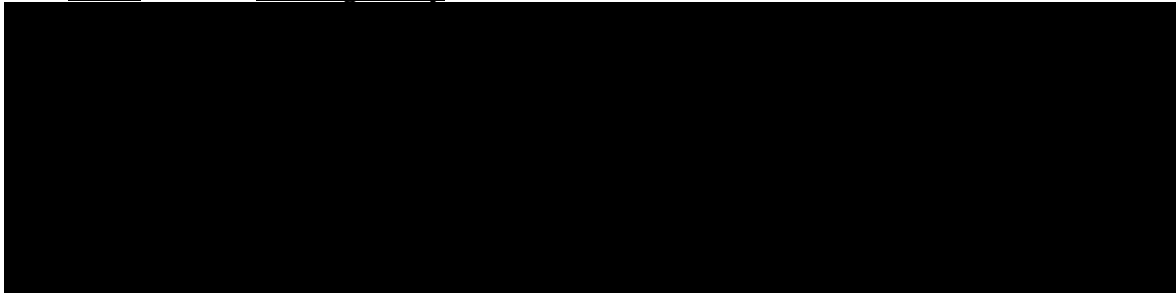
The materials listed in the Table of Contents as Tab A(1) through Tab A(8) follow. UES welcomes feedback from the Commission on the value of the following materials in facilitating its review of the solicitation results.

Tab A(1). Bidder Key

The first item attached to this Confidential Comparison of Bids identifies the suppliers who responded to UES's RFP for default service supplies. The materials that follow generally refer to the respondents as Bidder A, Bidder B, and so on.

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
Indexed Bidder List with Selected Winners


<u>Index</u>	<u>Bidding Entity</u>
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<u>Winner</u>	<u>Customer Group and Supply Period</u>
Bidder E	Small Customers, 6 Months Starting Dec 1, 2016
Bidder E	Medium Customers, 6 Months Starting Dec 1, 2016
Bidder C	Large Customers, 6 Months Starting Dec 1, 2016

Tab A(2). Pricing Summaries

The second item attached to this Comparison of Bids shows summaries of the final bids received, including the total costs calculated on the basis of the evaluation loads and a ranking of the bids in terms of evaluated prices. The summaries list the cost delta and percentage of price delta of each bid compared to the lowest price bid. The summaries indicate the payment terms agreed to with each bidder and include the cost of differing payment terms among the bidders.



Pricing exhibits:

- G1 Bids, 6 Month Period
- Non-G1 Bids, 6 Month Period
- G1 Summary Pricing
- Non-G1 Summary Pricing

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Pricing Comparison

Bids for Small Customers (Asset 11451) - FINAL
Default Service Requirements for 6 Months (\$/MWH)

Month of Service	Eval Loads (MWh)
Dec-16	37,760
Jan-17	43,134
Feb-17	40,052
Mar-17	36,883
Apr-17	33,069
May-17	29,463
PERIOD	220,361
POWER COST (\$000)	
PAYMENT TERMS	
INT. COST (\$000)	
TOTAL COST (\$000)	
COST DELTA (\$000)	
PRICE RANKING	
PERCENT DELTA	

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Pricing Comparison

Bids for Medium Customers (Asset 11452) - FINAL
Default Service Requirements for 6 Months (\$/MWH)

Month of Service	Eval Loads (MWh)
Dec-16	13,858
Jan-17	14,757
Feb-17	14,863
Mar-17	14,077
Apr-17	13,763
May-17	13,907
PERIOD	85,224
POWER COST (\$000)	
PAYMENT TERMS	
INT. COST (\$000)	
TOTAL COST (\$000)	
COST DELTA (\$000)	
PRICE RANKING	
PERCENT DELTA	

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Pricing Comparison

Bids for Large Customers (Asset 10019)- FINAL
100% DS Requirements for 6 Months (\$/MWH) - Variable Price Adder

Month of Service	Evaluation Loads (MWh)		
Dec-16	2,751		
Jan-17	2,836		
Feb-17	3,007		
Mar-17	2,873		
Apr-17	2,894		
May-17	2,816		
PERIOD	17,176		
POWER COST (\$000)			
PAYMENT TERMS			
INT. COST (\$000)			
TOTAL COST (\$000)			
COST DELTA (\$000)			
PRICE RANKING			
PERCENT DELTA			

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
Historical Pricing Comparison, G1 Customers

	G1 Supplier	G1 Pricing (\$/MWH)	G1 Purchases (MWH)	Wtd Avg Price	Change Prior Period	Change Prior Year
Nov-13	Nextera	\$ 60.87	4,906			
Dec-13	Nextera	\$ 117.97	6,179	\$116.09	130.7%	56.3%
Jan-14	Nextera	\$ 174.39	4,448			
Feb-14	Nextera	\$ 177.52	4,691			
Mar-14	Nextera	\$ 136.21	4,166	\$123.36	6.3%	50.0%
Apr-14	Nextera	\$ 56.16	4,578			
May-14	Nextera	\$ 49.37	4,814			
Jun-14	Nextera	\$ 56.14	4,831	\$ 52.32	-57.6%	-12.3%
Jul-14	Nextera	\$ 51.50	5,135			
Aug-14	Nextera	\$ 47.85	4,609			
Sep-14	Nextera	\$ 54.77	5,263	\$ 50.73	-3.0%	0.8%
Oct-14	Nextera	\$ 49.00	4,583			
Nov-14	Nextera	\$ 63.56	4,443			
Dec-14	Nextera	\$ 68.08	4,828	\$ 73.07	44.0%	-37.1%
Jan-15	Nextera	\$ 88.80	4,219			
Feb-15	Nextera	\$ 144.19	3,636			
Mar-15	Nextera	\$ 75.60	3,462	\$ 90.52	23.9%	-26.6%
Apr-15	Nextera	\$ 43.97	3,083			
May-15	Nextera	\$ 44.34	3,607			
Jun-15	Nextera	\$ 37.41	3,681	\$ 44.99	-50.3%	-14.0%
Jul-15	Nextera	\$ 52.28	4,147			
Aug-15	Nextera	\$ 63.26	4,204			
Sep-15	Nextera	\$ 56.86	4,075	\$ 57.54	27.9%	13.4%
Oct-15	Nextera	\$ 51.47	3,503			
Nov-15	CECG	\$ 46.76	3,142			
Dec-15	CECG	\$ 38.28	3,144	\$ 45.99	-20.1%	-37.1%
Jan-16	CECG	\$ 52.37	3,426			
Feb-16	CECG	\$ 45.62	3,471			
Mar-16	CECG	\$ 33.21	3,622	\$ 40.88	-11.1%	-54.8%
Apr-16	CECG	\$ 44.23	3,392			
May-16	CECG		3,514			
Jun-16	CECG		3,722			
Jul-16	CECG		4,081			
Aug-16	CECG		4,148			
Sep-16	CECG	N/A	3,961	N/A	N/A	N/A
Oct-16	CECG	N/A	3,667	N/A	N/A	N/A
Nov-16	CECG	N/A	3,515			
Dec-16	EXELON	N/A	2,751			
Jan-17	EXELON	N/A	2,836	N/A	N/A	N/A
Feb-17	EXELON	N/A	3,007			
Mar-17	EXELON	N/A	2,873			
Apr-17	EXELON	N/A	2,894	N/A	N/A	N/A
May-17	EXELON	N/A	2,816			

G1 Legal Estimates for this RFP:

\$0

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
Historical Pricing Comparison, Non-G1 Customers

	Block A	Block B	Block C	Block D	Block A	Block B	Block C	Block D	Non-G1 Pricing (\$/MWH)	Non-G1 Purchases (MWH)	Wtd Avg Price	Change Prior Period	Change Prior Year
Dec-13	TCPM	(Small)	NEXTERA	(Medium)	\$ 88.10	(Small)	\$ 86.50	(Medium)	\$ 87.30	66,566			
Jan-14	TCPM	(Small)	NEXTERA	(Medium)	\$110.80	(Small)	\$110.01	(Medium)	\$ 110.41	68,789			
Feb-14	TCPM	(Small)	NEXTERA	(Medium)	\$110.90	(Small)	\$104.93	(Medium)	\$ 107.92	62,321	\$ 83.16	34.9%	31.3%
Mar-14	TCPM	(Small)	NEXTERA	(Medium)	\$ 68.40	(Small)	\$ 65.37	(Medium)	\$ 66.89	59,425			
Apr-14	TCPM	(Small)	NEXTERA	(Medium)	\$ 57.85	(Small)	\$ 55.37	(Medium)	\$ 56.61	53,008			
May-14	TCPM	(Small)	NEXTERA	(Medium)	\$ 54.20	(Small)	\$ 51.05	(Medium)	\$ 52.63	48,440			
Jun-14	TCPM	(Small)	DOMI	(Medium)	\$ 83.60	(Small)	\$ 81.12	(Medium)	\$ 82.36	63,793			
Jul-14	TCPM	(Small)	DOMI	(Medium)	\$ 76.55	(Small)	\$ 77.60	(Medium)	\$ 77.08	72,584			
Aug-14	TCPM	(Small)	DOMI	(Medium)	\$ 78.50	(Small)	\$ 70.59	(Medium)	\$ 74.55	73,184	\$ 69.60	-16.3%	12.9%
Sep-14	TCPM	(Small)	DOMI	(Medium)	\$ 64.80	(Small)	\$ 59.89	(Medium)	\$ 62.35	64,178			
Oct-14	TCPM	(Small)	DOMI	(Medium)	\$ 63.95	(Small)	\$ 58.93	(Medium)	\$ 61.44	52,649			
Nov-14	TCPM	(Small)	DOMI	(Medium)	\$ 89.95	(Small)	\$ 84.21	(Medium)	\$ 87.08	55,553			
Dec-14	DTE	(Small)	TCPM	(Medium)	\$162.43	(Small)	\$163.85	(Medium)	\$ 163.14	67,622			
Jan-15	DTE	(Small)	TCPM	(Medium)	\$202.27	(Small)	\$205.50	(Medium)	\$ 203.89	71,475			
Feb-15	DTE	(Small)	TCPM	(Medium)	\$189.00	(Small)	\$193.20	(Medium)	\$ 191.10	59,938	\$ 144.13	107.1%	73.3%
Mar-15	DTE	(Small)	TCPM	(Medium)	\$120.93	(Small)	\$121.15	(Medium)	\$ 121.04	60,740			
Apr-15	DTE	(Small)	TCPM	(Medium)	\$ 71.78	(Small)	\$ 73.90	(Medium)	\$ 72.84	53,320			
May-15	DTE	(Small)	TCPM	(Medium)	\$ 57.79	(Small)	\$ 60.65	(Medium)	\$ 59.22	50,264			
Jun-15	TCPM	(Small)	DOMI	(Medium)	\$ 59.03	(Small)	\$ 58.12	(Medium)	\$ 58.58	59,356			
Jul-15	TCPM	(Small)	DOMI	(Medium)	\$ 65.40	(Small)	\$ 66.63	(Medium)	\$ 66.02	71,821			
Aug-15	TCPM	(Small)	DOMI	(Medium)	\$ 58.47	(Small)	\$ 59.39	(Medium)	\$ 58.93	72,601	\$ 62.02	-57.0%	-10.9%
Sep-15	TCPM	(Small)	DOMI	(Medium)	\$ 54.64	(Small)	\$ 56.51	(Medium)	\$ 55.58	57,842			
Oct-15	TCPM	(Small)	DOMI	(Medium)	\$ 55.93	(Small)	\$ 56.56	(Medium)	\$ 56.25	53,025			
Nov-15	TCPM	(Small)	DOMI	(Medium)	\$ 75.96	(Small)	\$ 77.67	(Medium)	\$ 76.82	55,415			
Dec-15	CECG	(Small)	NEXTERA	(Medium)	\$ 83.69	(Small)	\$ 83.78	(Medium)	\$ 83.74	57,319			
Jan-16	CECG	(Small)	NEXTERA	(Medium)	\$104.98	(Small)	\$103.95	(Medium)	\$ 104.47	60,002			
Feb-16	CECG	(Small)	NEXTERA	(Medium)	\$103.71	(Small)	\$102.18	(Medium)	\$ 102.95	57,549	\$ 82.32	32.7%	-42.9%
Mar-16	CECG	(Small)	NEXTERA	(Medium)	\$ 81.22	(Small)	\$ 79.90	(Medium)	\$ 80.56	53,362			
Apr-16	CECG	(Small)	NEXTERA	(Medium)	\$ 61.81	(Small)	\$ 60.32	(Medium)	\$ 61.07	48,852			
May-16	CECG	(Small)	NEXTERA	(Medium)	\$ 51.15	(Small)	\$ 49.81	(Medium)	\$ 50.48	45,952			
Jun-16	TCPM	(Small)	ENERGY AMERICA	(Medium)	\$ 47.68	(Small)	\$ 46.07	(Medium)	\$ 46.88	48,770			
Jul-16	TCPM	(Small)	ENERGY AMERICA	(Medium)	\$ 55.13	(Small)	\$ 53.86	(Medium)	\$ 54.50	59,560			
Aug-16	TCPM	(Small)	ENERGY AMERICA	(Medium)	\$ 50.39	(Small)	\$ 50.33	(Medium)	\$ 50.36	67,113	\$ 49.25	-40.2%	-20.6%
Sep-16	TCPM	(Small)	ENERGY AMERICA	(Medium)	\$ 45.61	(Small)	\$ 44.80	(Medium)	\$ 45.21	56,447			
Oct-16	TCPM	(Small)	ENERGY AMERICA	(Medium)	\$ 46.89	(Small)	\$ 44.80	(Medium)	\$ 45.85	46,737			
Nov-16	TCPM	(Small)	ENERGY AMERICA	(Medium)	\$ 51.92	(Small)	\$ 51.31	(Medium)	\$ 51.62	49,026			
Dec-16	NEXTERA	(Small)	NEXTERA	(Medium)		(Small)		(Medium)		51,617			
Jan-17	NEXTERA	(Small)	NEXTERA	(Medium)		(Small)		(Medium)		57,891			
Feb-17	NEXTERA	(Small)	NEXTERA	(Medium)		(Small)		(Medium)		54,915			
Mar-17	NEXTERA	(Small)	NEXTERA	(Medium)		(Small)		(Medium)		50,961			
Apr-17	NEXTERA	(Small)	NEXTERA	(Medium)		(Small)		(Medium)		46,832			
May-17	NEXTERA	(Small)	NEXTERA	(Medium)		(Small)		(Medium)		43,370			

Non-G1 Legal Estimates for this RFP:

\$0

Tab A(3). UES RECs Procurement Summary

The third item attached is a schedule of the history of UES's RECs procurement for the 2016 obligation period. This schedule details the Class of RECs purchased, the quantity purchased, the cost per REC, and the transaction date. The schedule also describes if the purchase was made through the REC RFP process or if the RECs were acquired independent of the REC RFP process.

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
Summary of REC Purchases for 2016 RPS Compliance

000034

Estimated Requirements	2016
Percentage Purchased ¹	2016

Notes:

1. Percentage Purchased **excludes** banked and Class I and Class II Net Metering Credits.

Tab A(4). Comparisons to NYMEX Futures

The fourth item attached to this Comparison of Bids compares the winning final bids to both the NYMEX natural gas futures contracts at Henry Hub (“NYMEX NG”) and the NYMEX over-the-counter futures contracts for ISO New England on-peak electric futures (“NYMEX ISO”).

The ratio of winning bid prices to the two NYMEX contracts was calculated for both the current default service procurement and for prior procurements. Comparisons were then made between the current winning bid prices and hypothetical prices calculated by applying the NYMEX prices associated with the current procurement to the ratio of winning bid prices to NYMEX prices observed in prior procurements.

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Comparison of Winning Bids to NYMEX Futures - Non G1 Customers

UES 6-Month Non-G1 Customer Default Service Bids versus NYMEX OTC New England On-Peak Electric Futures (ISO)

RFP for Service Beginning December 1, 2016					RFP for Service Beginning June 1, 2016						
	Evaluation Loads	\$/MWH Final Bid	\$/MWH NYMEX ISO	Ratio of Final Bid to NYMEX ISO		Evaluation Loads	\$/MWH Final Bid	\$/MWH NYMEX ISO	Ratio of Final Bid to NYMEX ISO	\$/MWH Final Bid Price	\$/MWH Calculation Result
Jun-16						48,770					
Jul-16						59,560					
Aug-16						67,113					
Sep-16						56,447					
Oct-16						46,737					
Nov-16						49,026					
Dec-16	51,617										
Jan-17	57,891										
Feb-17	54,915										
Mar-17	50,961										
Apr-17	46,832										
May-17	43,370										
PERIOD	305,585					327,653					
Final Bid Price v. Calculation Result											

Note: NYMEX quotes list prior day close since bids were due at 10:00 am. Bids shown are winning bids and include the cost of capacity.

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Comparison of Winning Bids to NYMEX Futures - Non G1 Customers

UES 6-Month Non-G1 Customer Default Service Bids versus NYMEX OTC New England On-Peak Electric Futures (ISO)

RFP for Service Beginning December 1, 2016				RFP for Service Beginning December 1, 2015					
	Evaluation Loads	\$/MWH Final Bid	\$/MWH NYMEX ISO	Ratio of Final Bid to NYMEX ISO	Evaluation Loads	\$/MWH Final Bid	\$/MWH NYMEX ISO	Ratio of Final Bid to NYMEX ISO	\$/MWH Final Bid Price
Dec-15					57,319				
Jan-16					60,002				
Feb-16					57,549				
Mar-16					53,362				
Apr-16					48,852				
May-16					45,952				
Dec-16	51,617								
Jan-17	57,891								
Feb-17	54,915								
Mar-17	50,961								
Apr-17	46,832								
May-17	43,370								
PERIOD	305,585				323,036				
				Final Bid Price v. Calculation Result					

Note: NYMEX quotes list prior day close since bids were due at 10:00 am. Bids shown are winning bids and include the cost of capacity.

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Comparison of Winning Bids to NYMEX Futures - Non G1 Customers

UES 6-Month Non-G1 Customer Default Service Bids versus NYMEX OTC Natural Gas (NG) Henry Hub Futures

RFP for Service Beginning December 1, 2016					RFP for Service Beginning June 1, 2016						
	Evaluation Loads	\$/MWH Final Bid	\$/mmbtu NYMEX NG	Ratio of Final Bid to NYMEX NG	Evaluation Loads	\$/MWH Final Bid	\$/MWH NYMEX NG	Ratio of Final Bid to NYMEX NG	\$/MWH Final Bid Price	\$/MWH Calculation Result	
Jun-16					48,770						
Jul-16					59,560						
Aug-16					67,113						
Sep-16					56,447						
Oct-16					46,737						
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Dec-16	51,617										
Jan-17	57,891										
Feb-17	54,915										
Mar-17	50,961										
Apr-17	46,832										
May-17	43,370										
PERIOD	305,585				327,653						
Final Bid Price v. Calculation Result											

Note: NYMEX quotes list prior day close since bids were due at 10:00 am. Bids shown are winning bids and include the cost of capacity.

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Comparison of Winning Bids to NYMEX Futures - Non G1 Customers

UES 6-Month Non-G1 Customer Default Service Bids versus NYMEX OTC Natural Gas (NG) Henry Hub Futures

RFP for Service Beginning December 1, 2016					RFP for Service Beginning December 1, 2015						
	Evaluation Loads	\$/MWH Final Bid	\$/mmbtu NYMEX NG	Ratio of Final Bid to NYMEX NG	Evaluation Loads	\$/MWH Final Bid	\$/MWH NYMEX NG	Ratio of Final Bid to NYMEX NG	\$/MWH Final Bid Price	\$/MWH Calculation Result	
Dec-15					57,319						
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Jan-17	57,891										
Feb-17	54,915										
Mar-17	50,961										
Apr-17	46,832										
May-17	43,370										
PERIOD	305,585				323,036						
Final Bid Price v. Calculation Result											

Note: NYMEX quotes list prior day close since bids were due at 10:00 am. Bids shown are winning bids and include the cost of capacity.

Tab A(5). Financial Security Requirements

The fifth item attached to this Comparison of Bids contains a summary of each bidder's financial security requirements of UES and each bidder's own provision of financial security and creditworthiness. Items listed include the amount of Shareholder Equity (if any) to be used as a credit test for UES, payment terms and estimated interest costs associated with accelerated payments for each service bid, agreed upon corporate guaranty amounts, credit ratings for suppliers or their parent companies and other credit support as may be required.

Also attached are sheets that describe the credit rating definitions used by Standard & Poor's and by Moody's.

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
Summary of Financial Security Requirements

Financial Security Requirements upon Unitil

Financial Security provided by Seller

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Standard & Poor's Rating Definitions

Long-Term Issue Credit Ratings

Issue credit ratings are based, in varying degrees, on the following considerations:

- > Likelihood of payment—capacity and willingness of the obligor to meet its financial commitment on an obligation in accordance with the terms of the obligation;
- > Nature of and provisions of the obligation;
- > Protection afforded by, and relative position of, the obligation in the event of bankruptcy, reorganization, or other arrangement under the laws of bankruptcy and other laws affecting creditors' rights.

AAA	An obligation rated 'AAA' has the highest rating assigned by Standard & Poor's. The obligor's capacity to meet its financial commitment on the obligation is extremely strong.
AA	An obligation rated 'AA' differs from the highest rated obligations only in small degree. The obligor's capacity to meet its financial commitment on the obligation is very strong.
A	An obligation rated 'A' is somewhat more susceptible to the adverse effects of changes in circumstances and economic conditions than obligations in higher rated categories. However, the obligor's capacity to meet its financial commitment on the obligation is still strong.
BBB	An obligation rated 'BBB' exhibits adequate protection parameters. However, adverse economic conditions or changing circumstances are more likely to lead to a weakened capacity of the obligor to meet its financial commitment on the obligation.

Obligations rated 'BB', 'B', 'CCC', 'CC', and 'C' are regarded as having significant speculative characteristics. 'BB' indicates the least degree of speculation and 'C' the highest. While such obligations will likely have some quality and protective characteristics, these may be outweighed by large uncertainties or major exposures to adverse conditions.

BB	An obligation rated 'BB' is less vulnerable to nonpayment than other speculative issues. However, it faces major ongoing uncertainties or exposure to adverse business, financial, or economic conditions which could lead to the obligor's inadequate capacity to meet its financial commitment on the obligation.
B	An obligation rated 'B' is more vulnerable to nonpayment than obligations rated 'BB', but the obligor currently has the capacity to meet its financial commitment on the obligation. Adverse business, financial, or economic conditions will likely impair the obligor's capacity or willingness to meet its financial commitment on the obligation.
CCC	An obligation rated 'CCC' is currently vulnerable to nonpayment, and is dependent upon favorable business, financial, and economic conditions for the obligor to meet its financial commitment on the obligation. In the event of adverse business, financial, or economic conditions, the obligor is not likely to have the capacity to meet its financial commitment on the obligation.
CC	An obligation rated 'CC' is currently highly vulnerable to nonpayment.
C	A subordinated debt or preferred stock obligation rated 'C' is CURRENTLY HIGHLY VULNERABLE to nonpayment. The 'C' rating may be used to cover a situation where a bankruptcy petition has been filed or similar action taken, but payments on this obligation are being continued. A 'C' also will be assigned to a preferred stock issue in arrears on dividends or sinking fund payments, but that is currently paying.
D	An obligation rated 'D' is in payment default. The 'D' rating category is used when payments on an obligation are not made on the date due even if the applicable grace period has not expired, unless Standard & Poor's believes that such payments will be made during such grace period. The 'D' rating also will be used upon the filing of a bankruptcy petition or the taking of a similar action if payments on an obligation are jeopardized.
Plus (+) or minus(-)	The ratings from 'AA' to 'CCC' may be modified by the addition of a plus or minus sign to show relative standing within the major rating categories.
r	This symbol is attached to the ratings of instruments with significant noncredit risks. It highlights risks to principal or volatility of expected returns which are not addressed in the credit rating.
N.R.	This indicates that no rating has been requested, that there is insufficient information on which to base a rating, or that Standard & Poor's does not rate a particular obligation as a matter of policy.

Source: Use following link, under "Ratings Definitions", select "Ratings Definitions" dated Mar 18, 2003.

<http://www2.standardandpoors.com/servlet/Satellite?pagename=sp/Page/FixedIncomeRatingsCriteriaPg&r=1&l=EN&b=2>

Moody's Long-Term Rating Definitions

Long-Term Obligation Ratings

Moody's long-term obligation ratings are opinions of the relative credit risk of fixed-income obligations with an original maturity of one year or more. They address the possibility that a financial obligation will not be honored as promised. Such ratings reflect both the likelihood of default and any financial loss suffered in the event of default.

Aaa	Obligations rated Aaa are judged to be of the highest quality, with minimal credit risk.
Aa	Obligations rated Aa are judged to be of high quality and are subject to very low credit risk.
A	Obligations rated A are considered upper-medium grade and are subject to low credit risk.
Baa	Obligations rated Baa are subject to moderate credit risk. They are considered medium-grade and as such may possess certain speculative characteristics.
Ba	Obligations rated Ba are judged to have speculative elements and are subject to substantial credit risk.
B	Obligations rated B are considered speculative and are subject to high credit risk.
Caa	Obligations rated Caa are judged to be of poor standing and are subject to very high credit risk.
Ca	Obligations rated Ca are highly speculative and are likely in, or very near, default, with some prospect of recovery of principal and interest.
C	Obligations rated C are the lowest rated class of bonds and are typically in default, with little prospect for recovery of principal or interest.

Note: Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa. The modifier 1 indicates that the obligation ranks in the higher end of its generic rating category; the modifier 2 indicates a mid-range ranking; and the modifier 3 indicates a ranking in the lower end of that generic rating category.

Source: After registering on Moody's website and agreeing to their Terms of Use, use the following link:

<http://www.moodys.com/moodys/cust/AboutMoody's/AboutMoody's.aspx?topic=rdef&subtopic=moodys%20credit%20ratings&title=Long+Term+Obligation+Ratings.htm>

Tab A(6). Proposal Submission Forms

The sixth item attached to this Comparison of Bids contains the non-price information provided by each bidder upon submission of the proposal submission form, which is identified as Attachment A to the RFP.

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT:



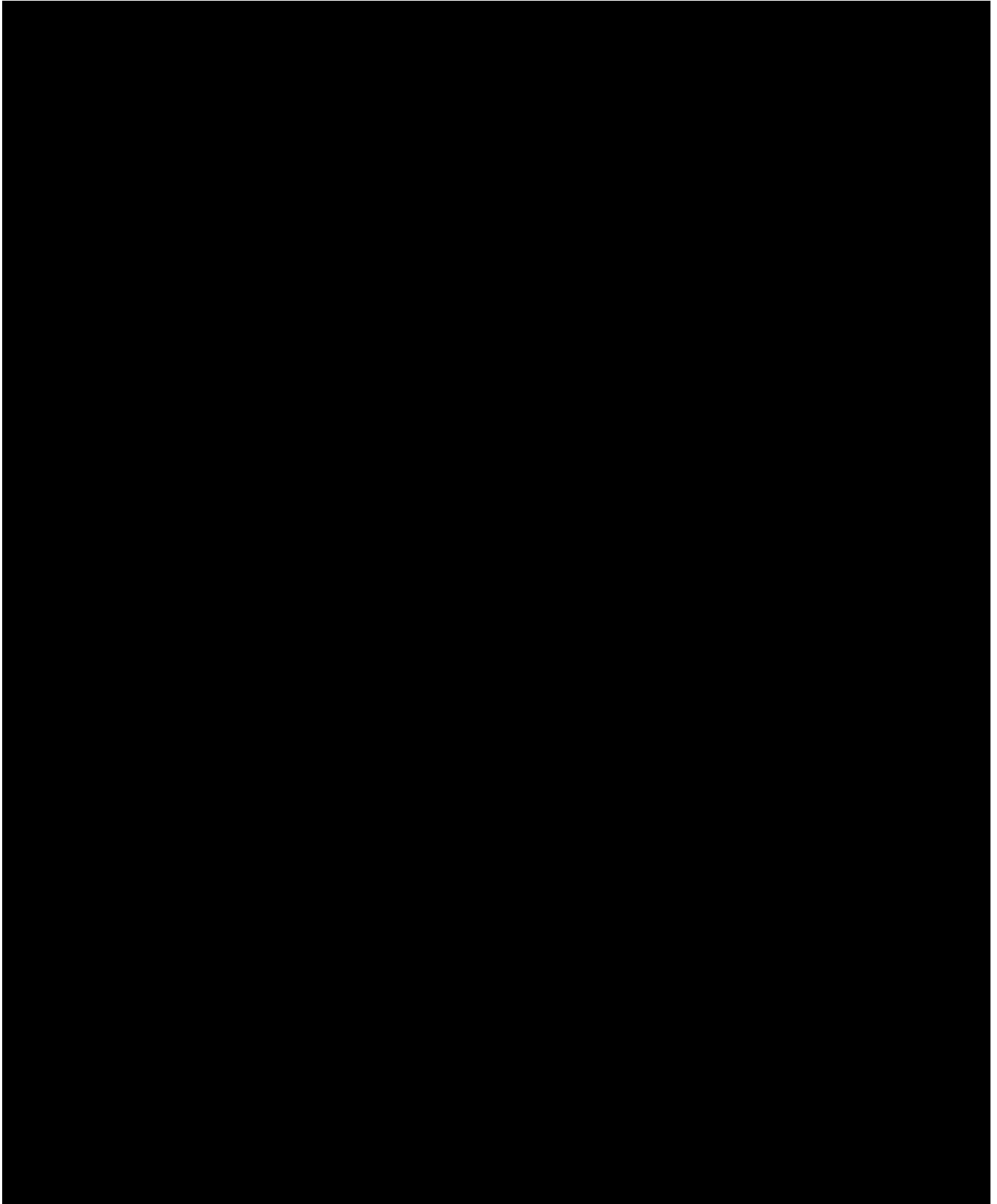
UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT:



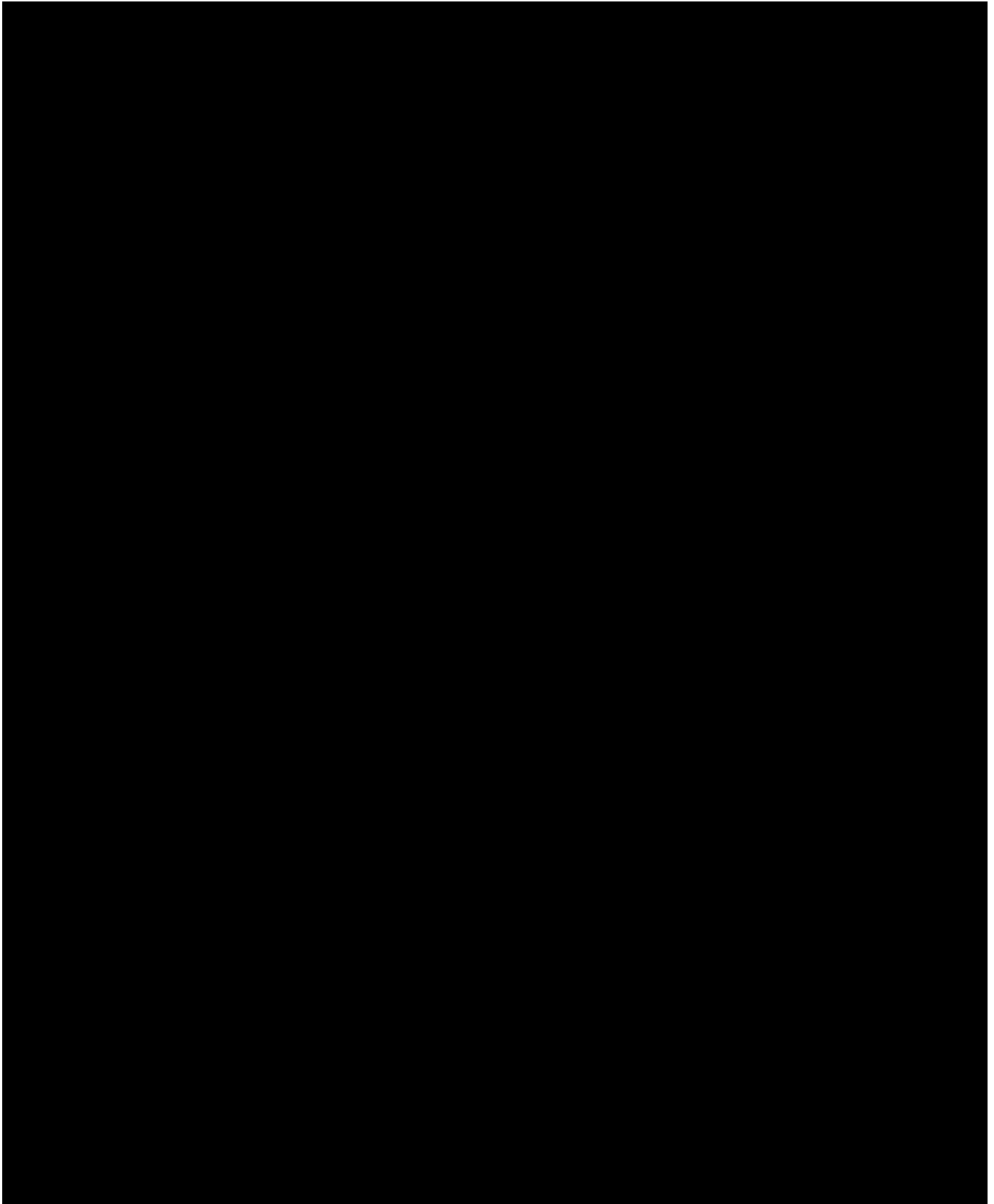
UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016



RESPONDENT:



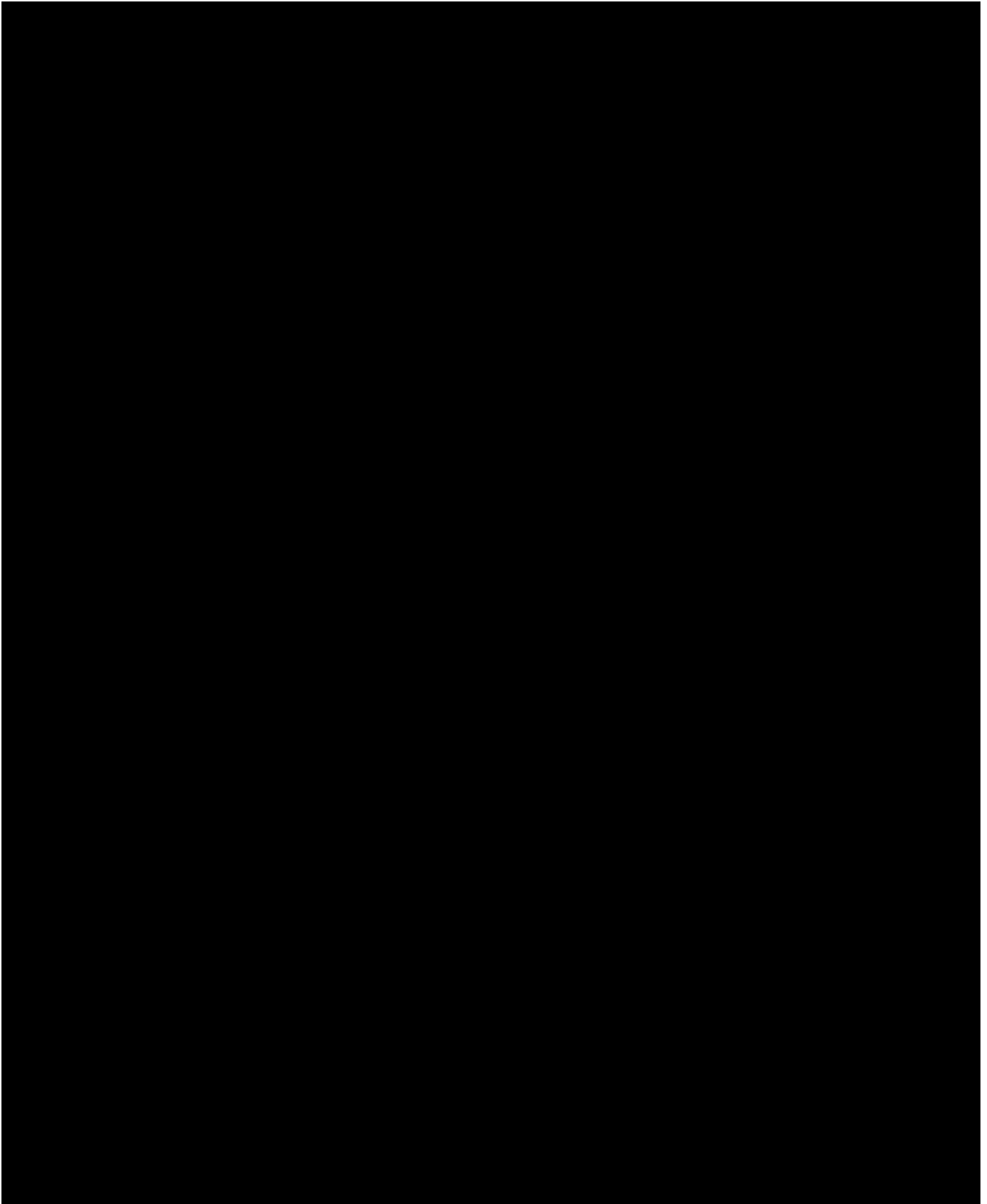
UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016



RESPONDENT:



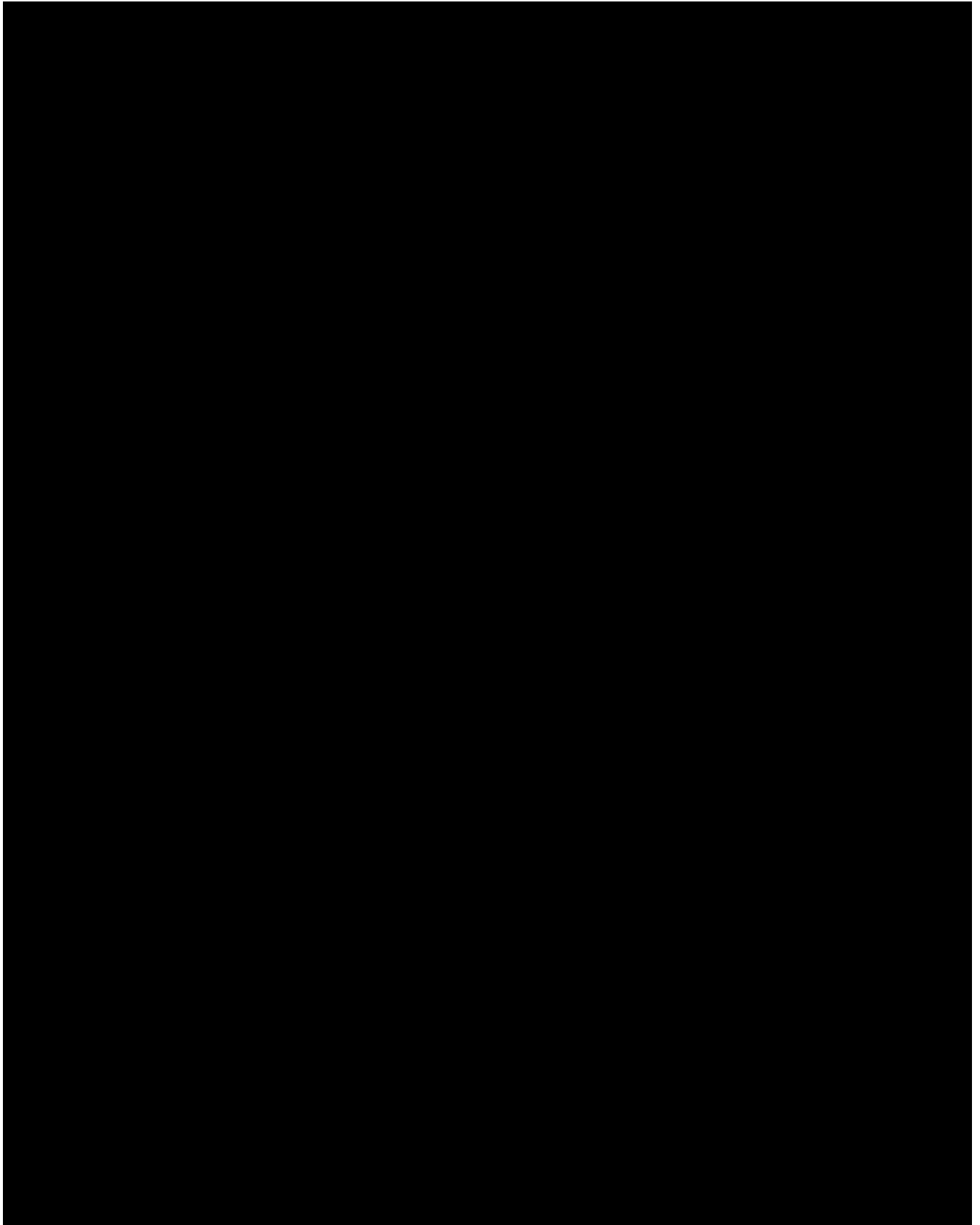
UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016



RESPONDENT:



UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016



RESPONDENT:

[REDACTED]

[REDACTED]

RESPONDENT:



UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT: [REDACTED]

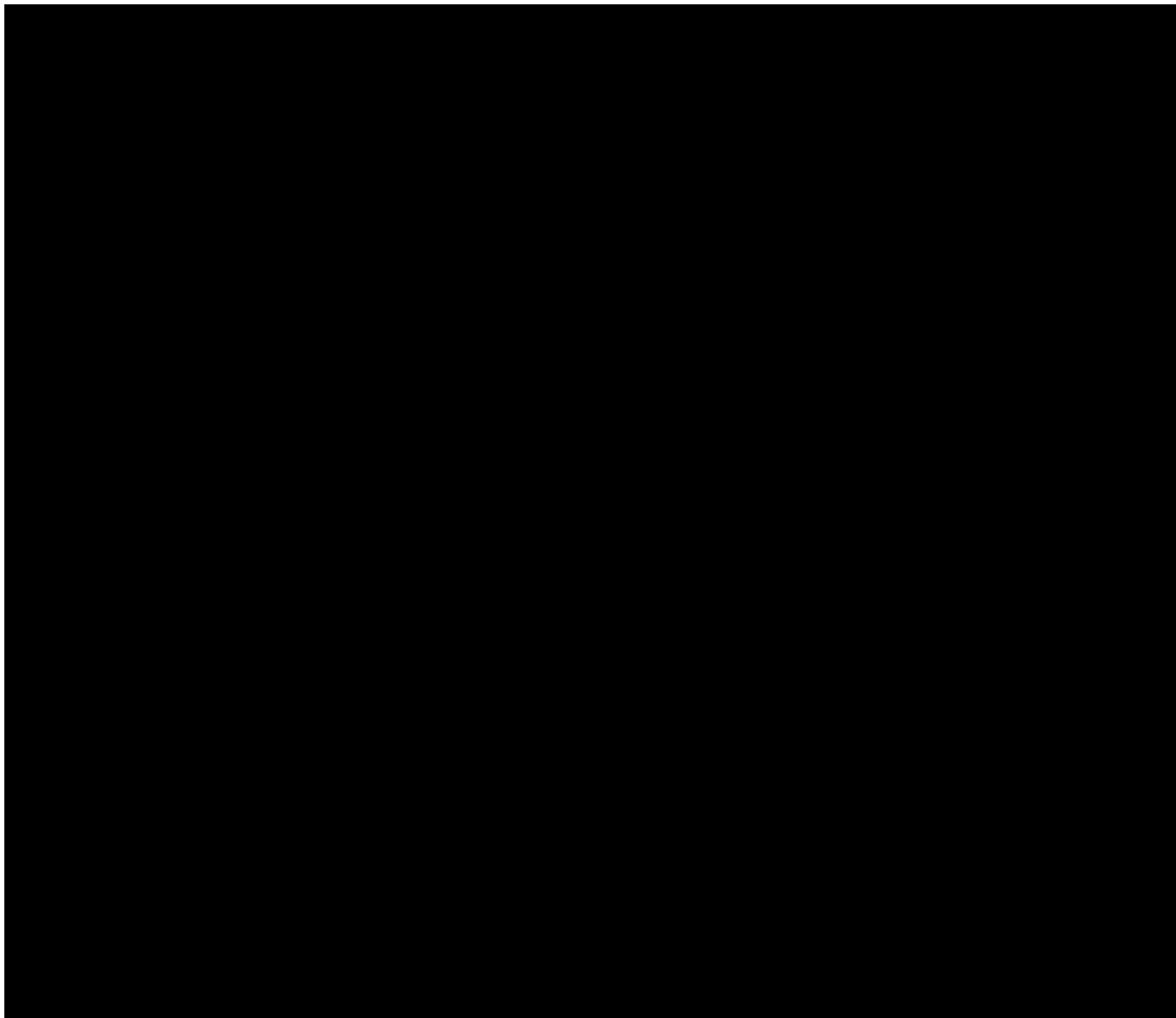
UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016

[REDACTED]

RESPONDENT:



UES Default Service RFP
Proposal Submission Form
Due: Tuesday, September 20, 2016



Tab A(7). RFP Contact List

The seventh item attached to this Comparison of Bids contains the contact list used by UES during the RFP process. The contact list includes one contact from each entity, a summary of UES's communications with each supplier and UES's expectations with regard to each supplier's intention to bid prior to receipt of indicative bids. Contacts are identified as suppliers, brokers, other LDCs or consultants.

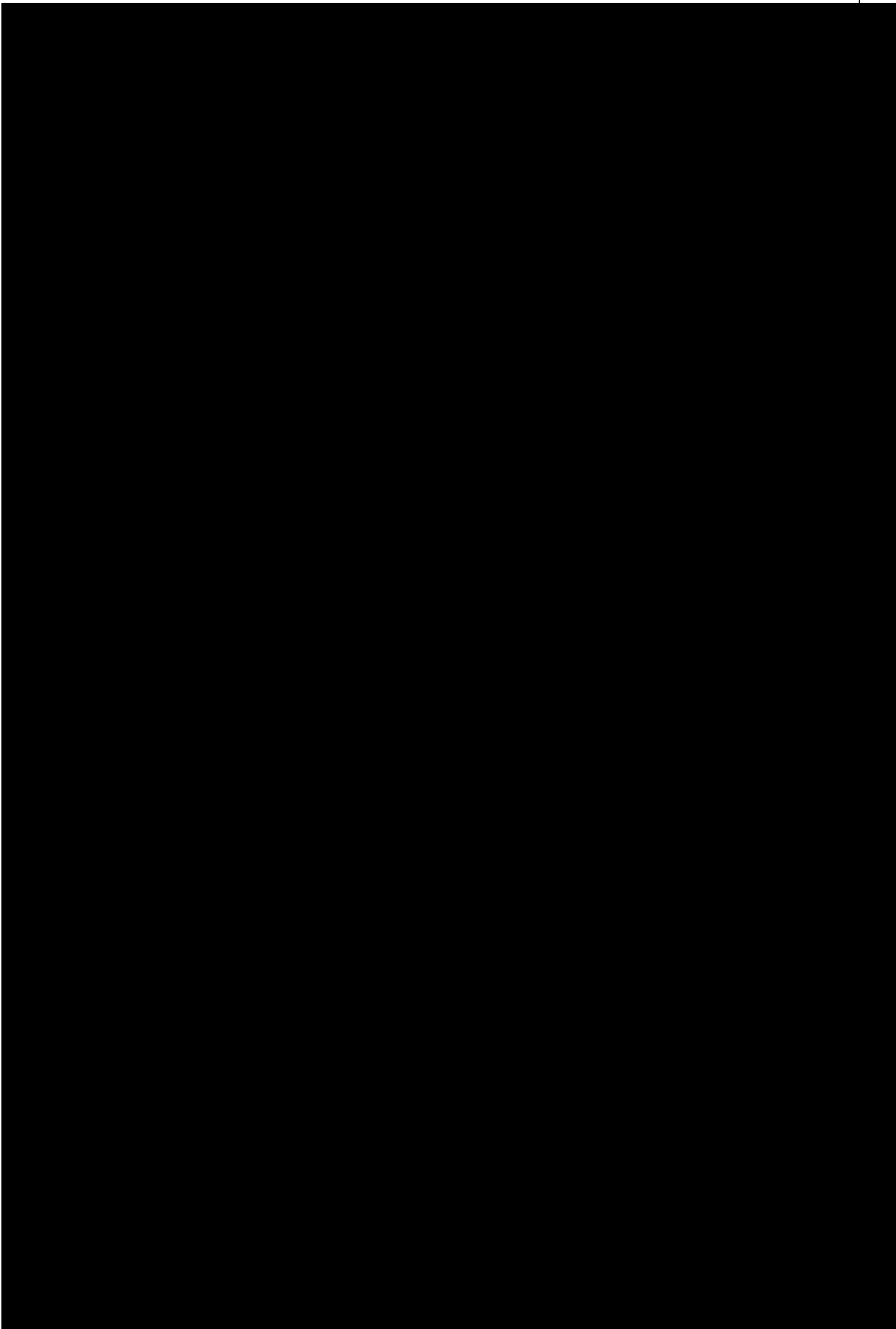
UES Default Service RFP Issued March 1, 2016
For Loads to be Served beginning June 1, 2016
RFP Contacts List

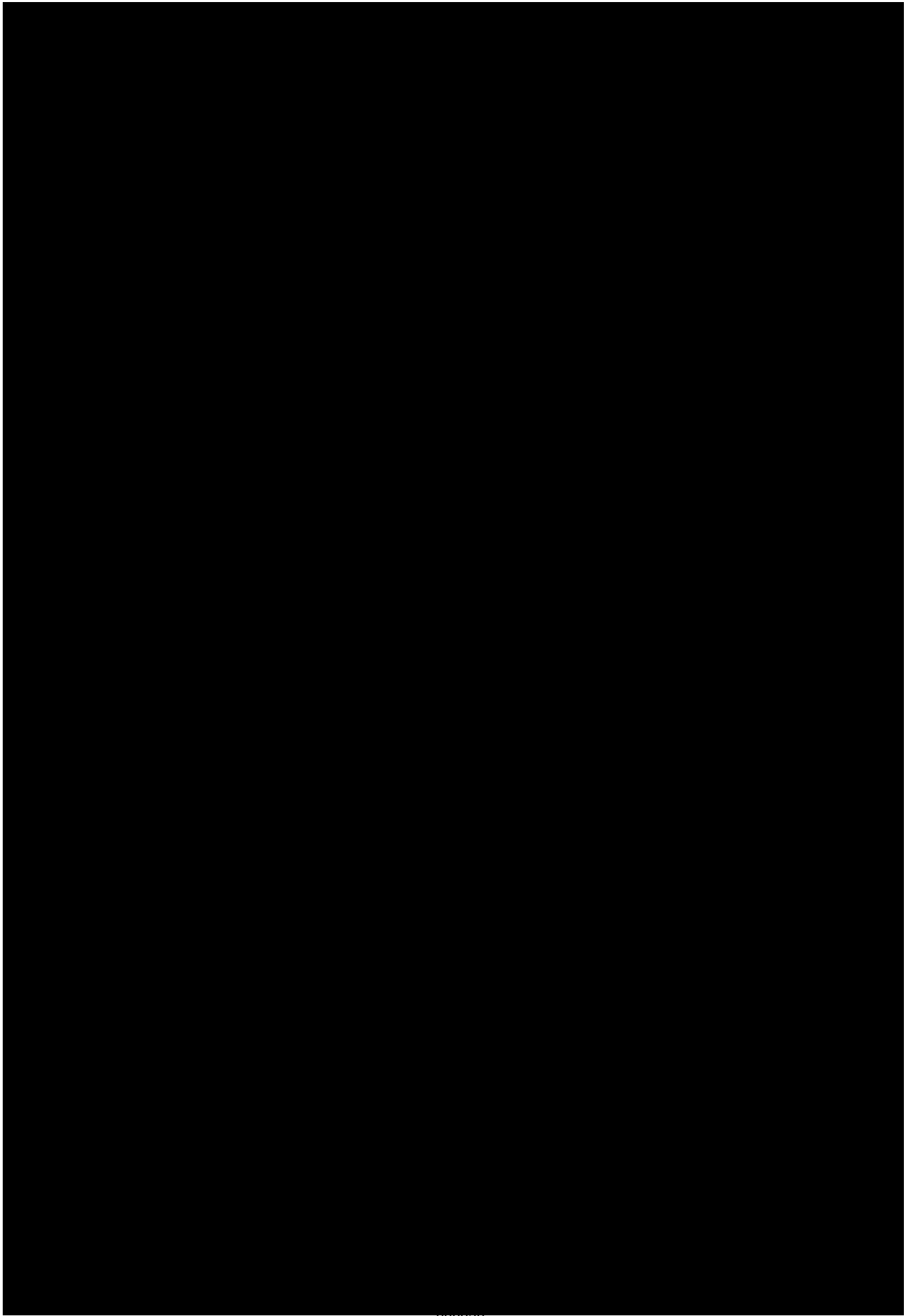
<u>Contact Types</u> # Suppliers = 35 # Brokers = 6 # Consultants = 1	<u>Communication</u> # Spoken = 4 # Email = 6 # No Response = 18	<u>Expectations</u> # Plan to Bid = 7 # May Bid = 0 # Not Bidding = 21
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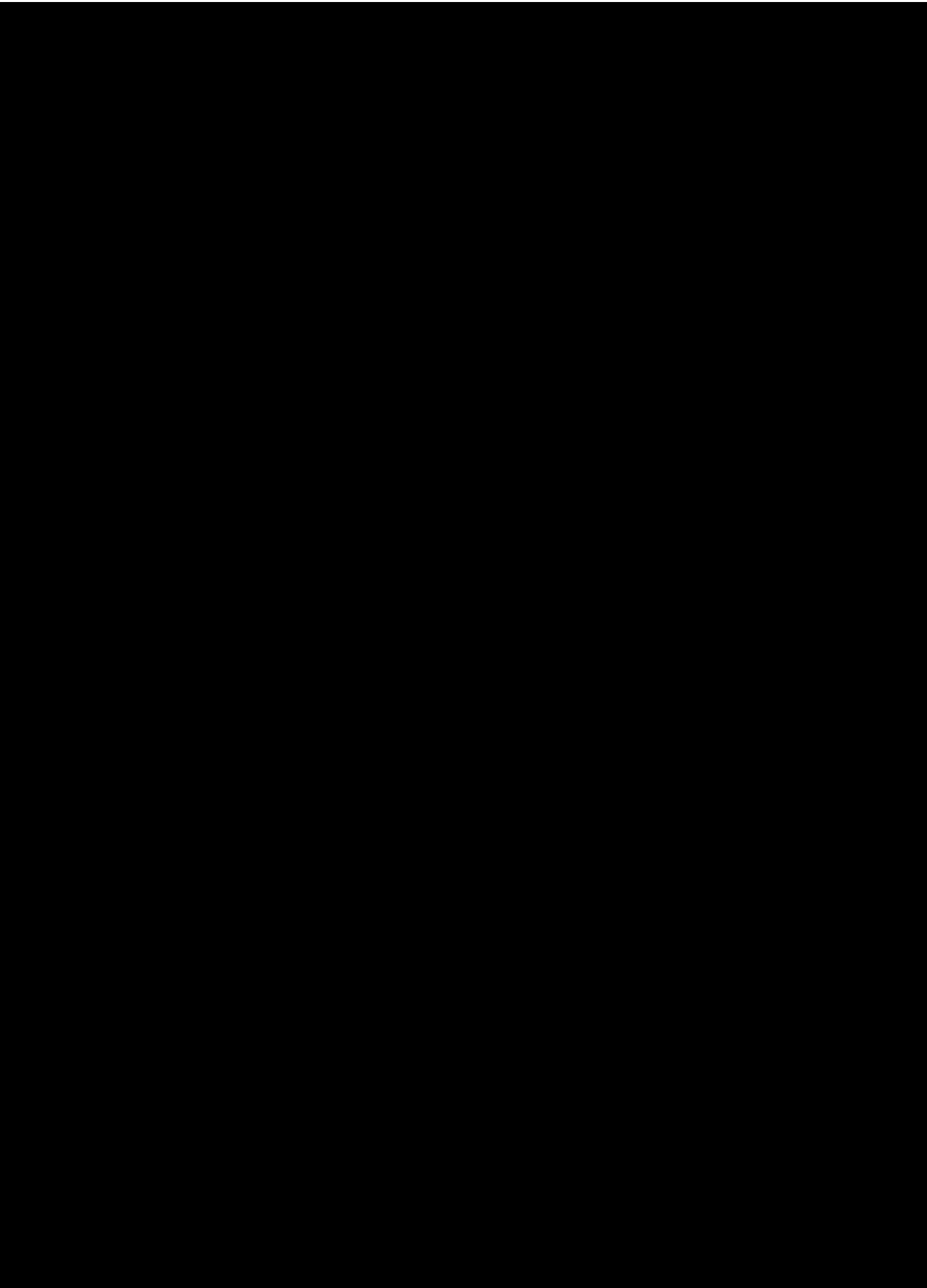
Party	No.	Contact Name	Company	Contact Type	Communic.	Initial Expectation

Tab A(8). Redlined Power Supply Agreements

The eighth and final item attached to this Confidential Attachment to the Bid Evaluation Report contains the redline versions of the Amendments to the PSAs with NextEra and Exelon.







the 1990s, the number of people in the UK who are aged 65 and over has increased by 1.5 million (1990–1999) and is projected to increase by a further 1.5 million by 2010 (Office of National Statistics 2000). The number of people aged 65 and over is projected to increase by 2.5 million by 2020 (Office of National Statistics 2000).

There is a growing awareness of the need to develop strategies to meet the needs of the ageing population. The Department of Health (1999) has identified the need to develop a 'new paradigm' for the care of the elderly. This paradigm is based on the principle of 'active ageing', which is the process of maintaining and enhancing the functional ability of older people to live independently and to participate in society. The Department of Health (1999) has identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy ageing; (2) preventing and managing illness and disability; (3) supporting independence; and (4) promoting social participation.

The Department of Health (1999) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy ageing; (2) preventing and managing illness and disability; (3) supporting independence; and (4) promoting social participation. The Department of Health (1999) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy ageing; (2) preventing and managing illness and disability; (3) supporting independence; and (4) promoting social participation.

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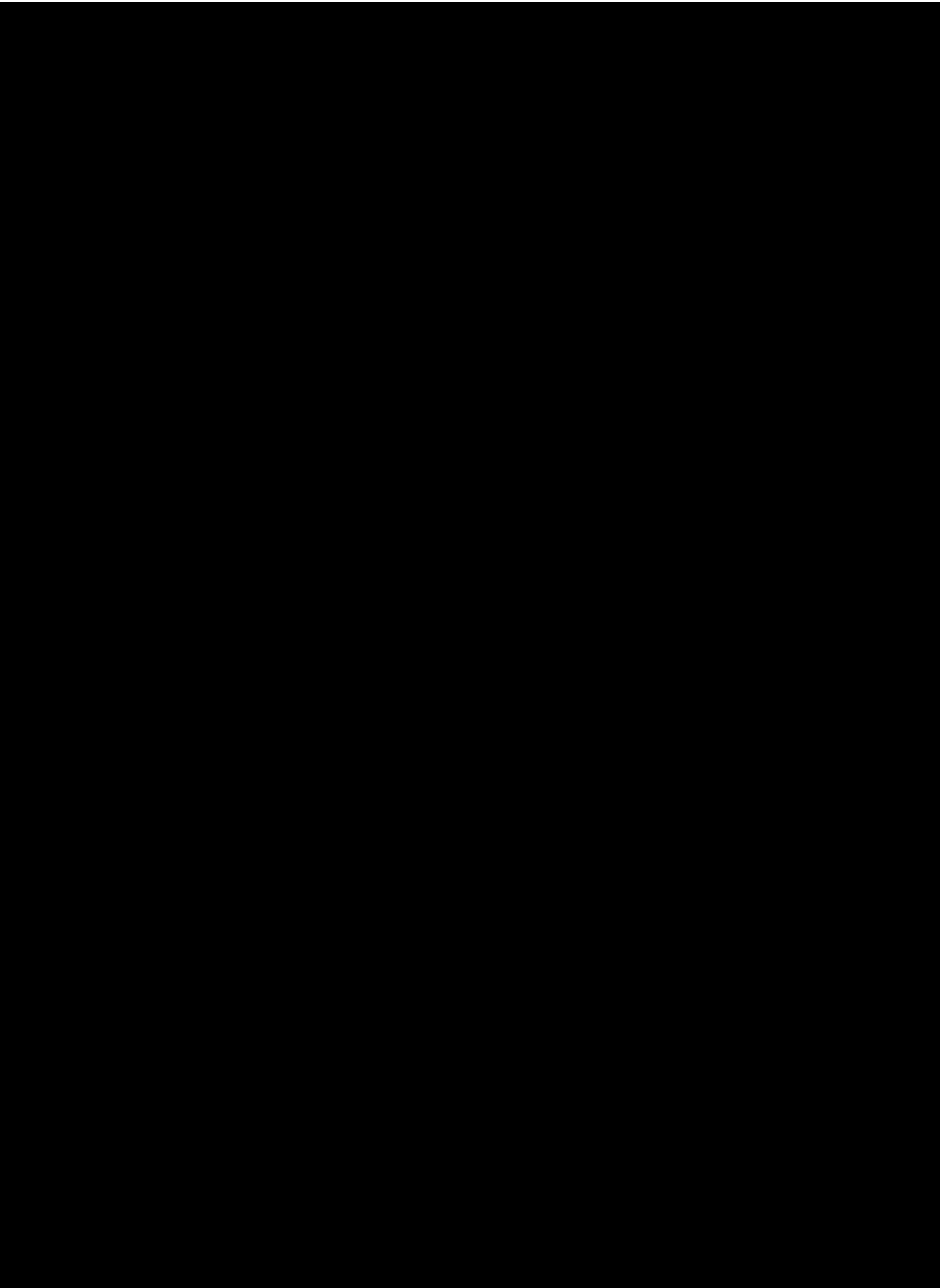
The Department of Health (1999) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy ageing; (2) preventing and managing illness and disability; (3) supporting independence; and (4) promoting social participation. The Department of Health (1999) has also identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy ageing; (2) preventing and managing illness and disability; (3) supporting independence; and (4) promoting social participation.

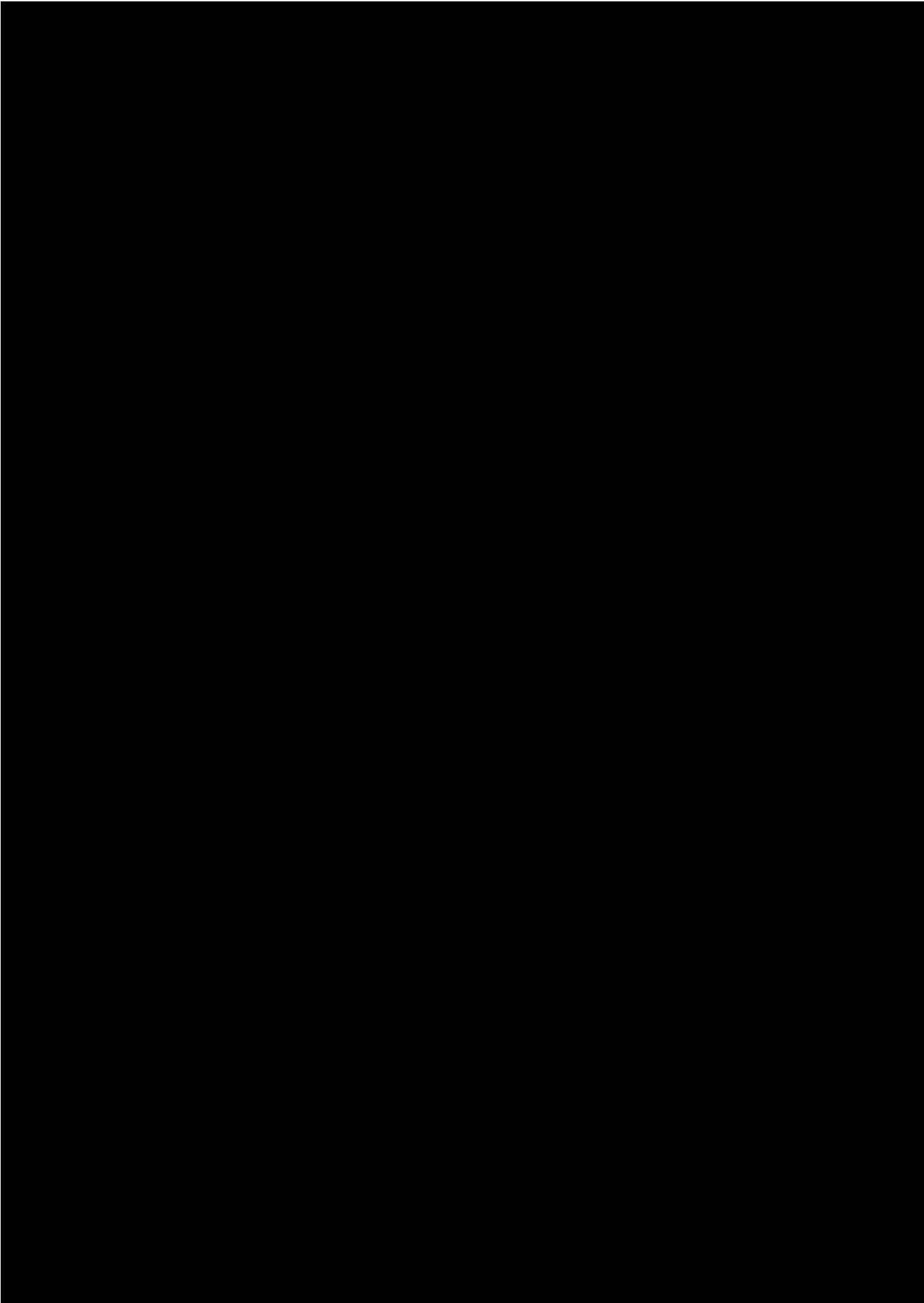
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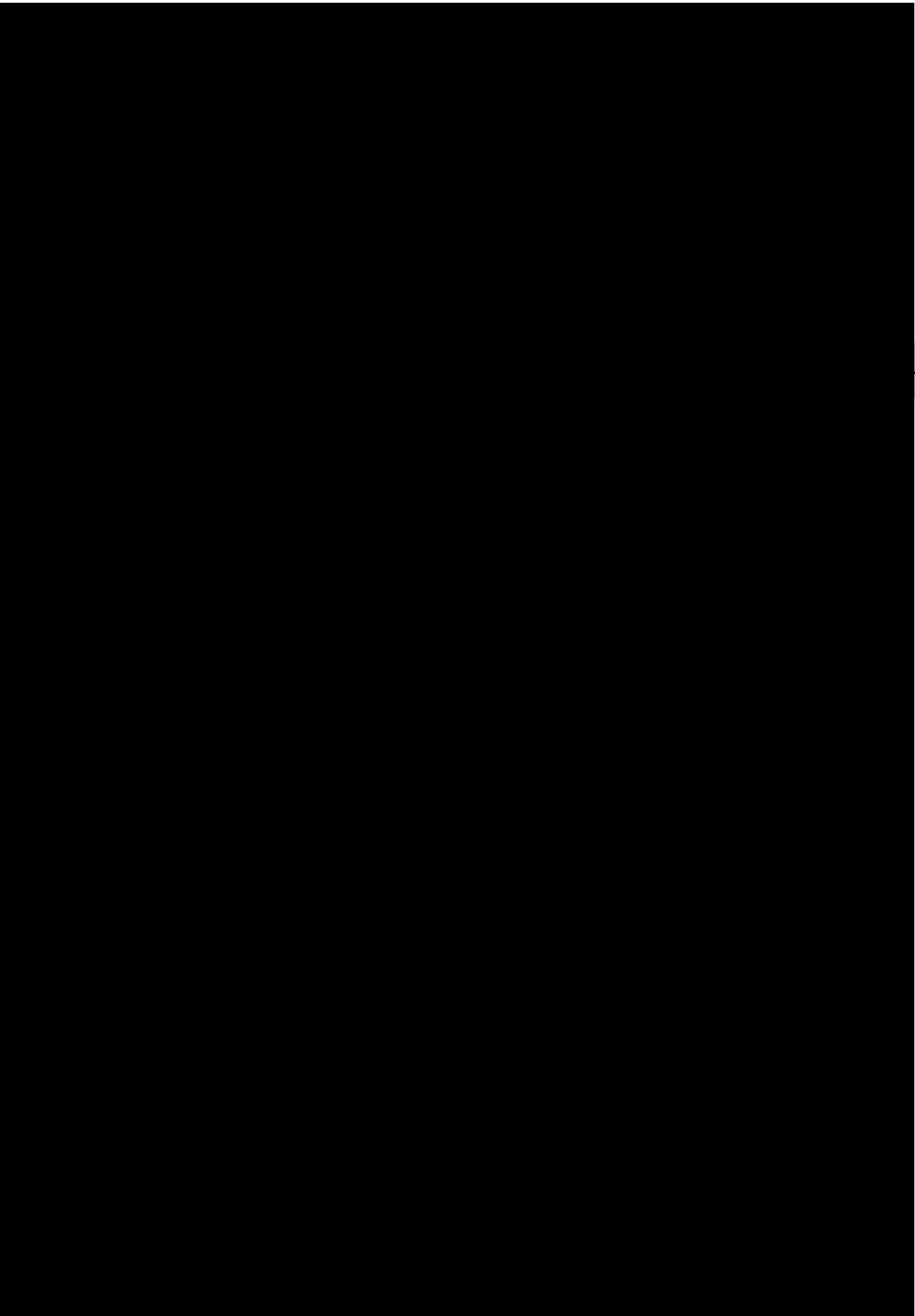
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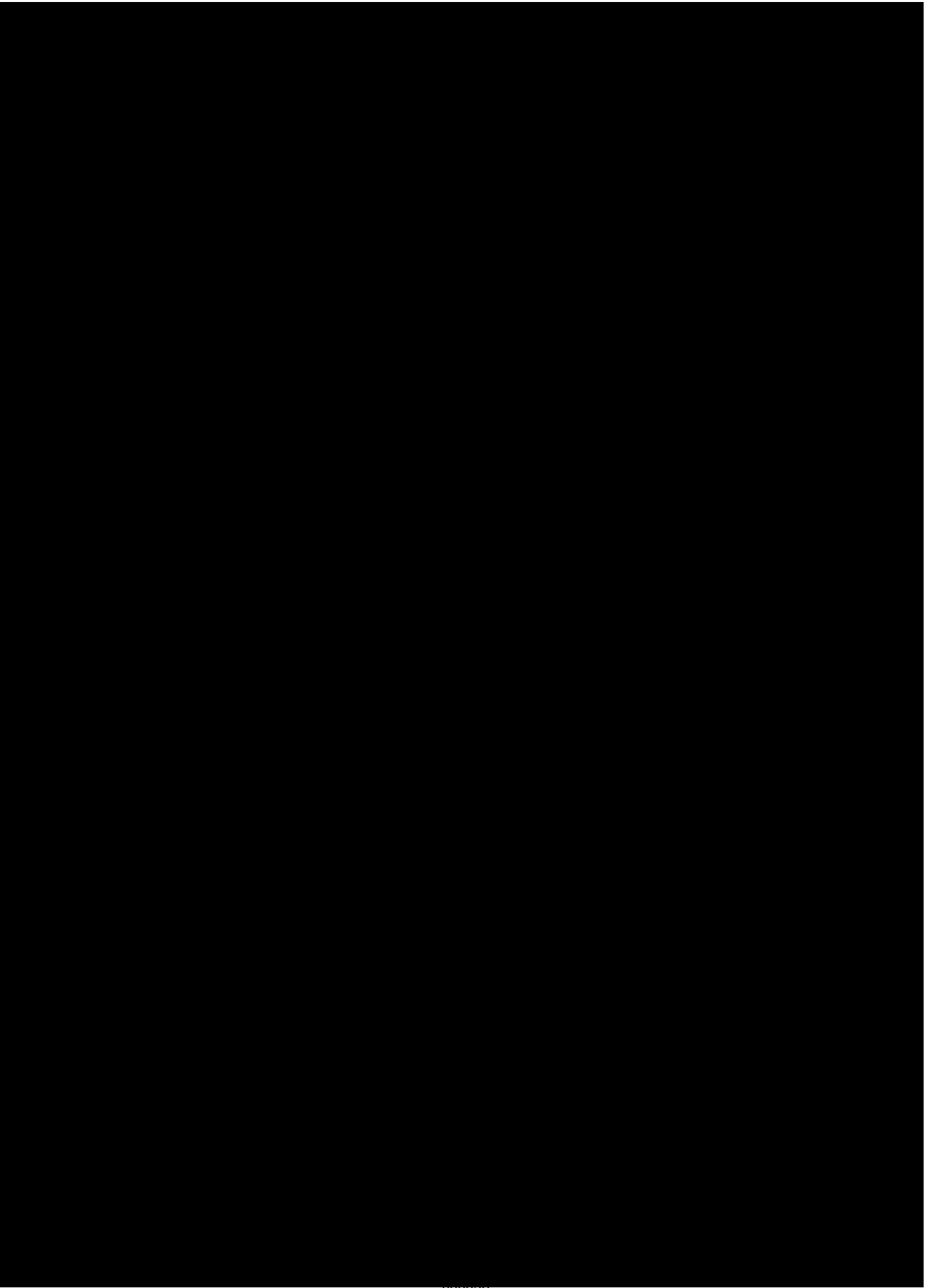
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the 'information' and 'communication' fields. The 'information' field is defined as:

...the study of the nature, uses and functions of information, and the ways in which it is created, communicated, evaluated and used. (p. 1)

The 'communication' field is defined as:

...the study of the nature, uses and functions of communication, and the ways in which it is created, communicated, evaluated and used. (p. 1)

These definitions are not intended to be exhaustive, but they do provide a starting point for the discussion of the relationship between the two fields.

The relationship between the two fields is complex and multifaceted. It is not simply a matter of one field being a subset of the other, or of the two fields being completely separate.

There are many ways in which the two fields overlap and interact. For example, the study of the nature and uses of information often involves the study of the ways in which information is communicated.

Similarly, the study of the nature and uses of communication often involves the study of the ways in which information is created and evaluated.

These interactions are not always obvious, but they are an essential part of the relationship between the two fields.

One of the most important aspects of the relationship between the two fields is the way in which they both contribute to the understanding of the human condition.

Information and communication are both essential to the way in which we live and work, and the study of these fields helps us to understand the human condition in a more complete and nuanced way.

As we move forward in the 21st century, the relationship between the two fields will continue to evolve and grow. It is our hope that this special issue will provide a valuable contribution to this ongoing conversation.

The editors of the *Journal of Documentation* would like to thank the following individuals for their contributions to this special issue:

Dr. [Name], [Institution], [Country]
Dr. [Name], [Institution], [Country]
Dr. [Name], [Institution], [Country]

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Unitil Energy Systems, Inc. (“UES”)

Default Service Request for Proposals

UES Service Requirements

Small Customers (100%): December 1, 2016 – May 31, 2017

Medium Customers (100%): December 1, 2016 – May 31, 2017

Large Customers (100%): December 1, 2016 – May 31, 2017

Issue Date: August 30, 2016

Unitil Energy Systems, Inc. (“UES”)

Default Service Request for Proposals Table of Contents

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**Request for Proposals
To Provide
Default Service Supply
To All Customers of Unitil Energy Systems, Inc**

I. Introduction

Unitil Energy Systems, Inc. (“UES”) is a local electric distribution company located in New Hampshire. New Hampshire Legislation, RSA 374-F et seq., and the Settlement Agreement for Restructuring the Unitil Companies¹ (“Settlement Agreement”) provided retail access for all of UES’ retail customers beginning on May 1, 2003.

On September 9, 2005, the NHPUC approved UES’ plan for procurement of default service supply, including the solicitation process, for the period beginning May 1, 2006². Subsequently, on July 31, 2012, the NHPUC approved modifications to the timing and structure of UES’ default service procurement plan, for the period beginning November 1, 2012³. Pursuant to these Orders, UES procures the power supply required to meet its default service obligations for three customer groups comprised of small, medium and large customers through full requirements contracts for 100% of the service requirements for six month contract periods.

Via this request for proposals (“RFP”), UES seeks competing fixed monthly price offers for 100% of the load requirements of its small and medium customer groups for the six month period beginning December 1, 2016. UES also seeks variable monthly price offers, as defined herein, for 100% of the load requirements of its large customer group for the six month period beginning December 1, 2016. Variable monthly prices are comprised of a pass-through of energy costs at the real-time locational marginal price (“LMP”) plus fixed monthly adders, which respondents are asked to bid during the RFP process. The fixed adders are intended to cover all non-energy costs, including capacity, ancillary services, and administration charges. Please see the Proposed Pricing portion of Section V for more information.

This RFP provides background information and historical data, details the service requirements and commercial terms, and elaborates on the procedures to be employed by UES to select the winning suppliers. This RFP and supporting materials can be obtained on Unitil’s website at the following address: www.unitil.net/rfp, under “Current Procurement” for UES. The complete RFP is available as a single ZIP file (“UES_DS_RFP_Package_2016-08.zip”). In addition, the RFP and its appendices, including the submission form, proposed contract, non-disclosure agreement, as well as the pricing bid sheets have been included as separate, editable electronic files. A number of electronic data files have also been included in Microsoft Excel format. The contents

¹ See Docket DE 01-247.

² See Docket DE 05-064.

³ See Docket DE 12-003.

of each file are described in this document. Please contact Lisa Glover at (603) 773-6444 or at glover@unitil.com with any questions regarding these materials.

II. Description of Default Service

UES is soliciting load-following power supply offers to meet the needs of its customers who take service under its default service tariff for the periods listed in the table in the Supply Obligation Period portion of Section IV. Default service is the only utility-provided supply service and will be available to all UES customers not receiving supply service from a competitive supplier at any time for any reason.

For the purpose of default service procurement, the specified customer groups shall consist of the various rate classes listed in the table below. The default service loads associated with these customer groups are modeled in the ISO Settlement System using the load asset numbers listed in the table. Bidding power suppliers (“Respondents”) may submit bids to provide service to any or all customer groups for which a contract is sought via this RFP. Bids to supply each customer group will be evaluated and awarded separately.

Load Asset Description	Customer Rate Classes	Load Asset #
UES Small Default Load	D	11451
UES Medium Default Load	G2, OL	11452
UES Large Default Load	G1	10019

The amount of default service to be supplied by the winning bidder(s) will be determined in accordance with the retail load associated with those customers who rely on default service. UES cannot predict the number of customers that will rely on default service, how much load will be represented by these customers, or how long they will continue to take default service. UES expressly reserves the right to encourage customers to choose their own supplier from the competitive marketplace instead of taking default service.

Data Provided

To assist respondents in determining the potential load requirements, a variety of data has been provided with this RFP. The provided data includes the following:

Historical Hourly Loads and Capacity Tag Values are provided for the default service loads by customer group and in aggregate for competitive generation service loads. The hourly loads are measured at the PTF level and are provided for the period of January 1, 2009 through July 31, 2016. The capacity tag values are the daily sum of the capacity tags for all customers assigned to the supply service being reported. Please see the file named “UES_Historic_Hourly_Loads_Cap_Tags_2016-08.xls.”

Historic Retail Monthly Sales Report provides monthly sales data from May 2003 through July 2016 have been compiled and provided. The retail sales report documents retail sales and customer counts by customer rate class and supply type: default service or

competitive generation. Please see the file named “UES_Retail_Sales_Report_2016-08.xls.”

Class Average Load Shapes (8760 hours), as measured at the customer meter level, are available. Please see the file named “UES_Profiles_2016-08.xls.”

Distribution System Loss Factor for each rate class is shown in the following table. The distribution loss factors enable one to estimate the retail usage at the customer meter associated with a given quantity of wholesale supply, or to convert the class average load shapes to wholesale values. Please note that the supplies sought via this RFP will be wholesale supplies measured at the PTF level.

Customer Group	Rate Class	Distribution Loss Factor
Small Customers	D (Domestic)	6.468%
Medium Customers	G2 (Regular General)	6.392%
Medium Customers	OL (Outdoor Lighting)	6.468%
Large Customers	G1 (Large General)	4.591%

Evaluation Loads that UES will use to calculate weighted average prices of bids received from respondents for the purpose of comparing competing bids on the basis of price are provided. These estimated loads may be instructive to respondents, but should in no way be construed to represent any contract quantity or billing determinant or to create any obligation to any party. Evaluation Loads are included on the bid sheets. Please see the file named “UES_Bid_Form_2016-08.xls.”

III. General Provisions

Terms and Conditions

For the small and medium customer group default service loads that respondents choose to bid, respondents must offer fixed monthly prices, and for the large customer default service load respondents must offer variable prices in the form of fixed monthly adders to the NH load zone RT LMP for the entire supply periods listed in the table in the Supply Obligation Period portion of Section IV, and shown on the bid sheets. Pricing requirements are further detailed in the Proposed Pricing portion of Section V.

Power Supply Contract

Along with this RFP, UES has provided a proposed Power Sales Agreement (“PSA”) which details the contractual terms and conditions under which default service as sought herein will be provided. Respondents who have not previously signed a PSA, or who do not wish to amend a prior PSA, must execute the PSA in Appendix B (“App_B_UES_Power_Sales_Agreement_2016-08.doc”).

Respondents who have previously executed a PSA with UES for the provision of Default Service supply may amend their existing PSA with UES in order to implement the

proposed transaction. UES has provided a proposed PSA Amendment in Appendix B1 (“App_B1_UES_PSA_Amendment_2016-08.doc”).

Bidders may propose contract language modifications. UES will consider proposed contract language modifications to the extent the language clarifies each party’s obligations associated with the transactions sought under this solicitation process, and to the extent that any modified contract represents the best non-price terms each party is willing to offer UES.

The obligations of UES and the winning bidder(s) are subject to and conditioned upon NHPUC approval of the solicitation results and the inclusion in retail rates of the costs derived from the transactions sought in this solicitation. UES will use its best efforts to obtain NHPUC’s approval, which is expected five (5) business days after filing. Please see schedule below. Winning suppliers should expect their identity to be announced by the NHPUC in its order on the results of the RFP.

Proposal Process and Submission Dates

The following table outlines key dates associated with this procurement process. All times are in Eastern Prevailing Time (EPT).

Process Step	Date
Issue Default Service RFP	Tuesday, August 30, 2016
Non-Disclosure Agreement Due	Tuesday, September 6, 2016, 3:00 p.m.
Proposal Forms & Indicative Pricing Due (including contract changes)	Tuesday, September 20, 2016
Final Pricing Due	Tuesday, September 27, 2016, 10:00 a.m.
Winning Supplier Notified	Tuesday, September 27, 2016, 1:00 p.m.
Contracts Executed	Wednesday, September 28, 2016
File for Approval of Rates	Friday, September 30, 2016
Anticipated Approval of Rates	Friday, October 7, 2016
UES DS Service Commences	Wednesday, December 1, 2016

Respondents to this RFP for Default Service must submit a completed Proposal Submission Form, including any proposed contract modifications, a non-disclosure agreement, indicative pricing and then final pricing according to the schedule shown above.

All submissions should be marked “UES Default Service RFP” and sent via e-mail to energy_contracts@unitil.com.

Please direct any questions to Lisa Glover at (603) 773-6444 or to glover@unitil.com.

Non-Disclosure Agreement (“NDA”) must be completed in order for UES to provide its financial information to bidders as well as to protect the confidentiality of bid information. Respondents who have previously signed an NDA with UES for the provision of Default Service supply do not need to execute a new NDA. Respondents who have not previously signed an NDA with UES must execute the NDA in Appendix C (“App_C_UES_NDA_2016_08.doc”). A partially executed NDA or redline version with proposed changes is due by **3:00 p.m. on Tuesday, September 6, 2016**.

Proposal Submission Form must be completed and is attached as Appendix A. Please see the file named “App_A_UES_Submission_Form_2016-08.doc.” Submission Forms are due on **Tuesday, September 20, 2016**.

Indicative Pricing is due along with the Proposal Submission Form. Indicative pricing should be submitted on the “Indicative” sheet of the Bid Form (“UES_Bid_Form_2016-08.xls”). Pricing must meet the requirements described in the Proposed Pricing portion of Section V. Indicative pricing is due by **5:00 p.m. EPT on September 20, 2016**.

Contract Comments, on either the full Power Supply Agreement or on the Amendment, are also due along with the Proposal Submission Form. If respondents propose any changes to the Power Supply Agreement or the Amendment, respondents must provide an electronic copy of the Power Supply Agreement or the Amendment that is marked to show proposed language in a reviewable format. UES will consider the contractual terms and conditions accepted by each bidder as part of its evaluation criteria, as described in Section VI. When final bid prices are received and confirmed, UES intends to conduct its evaluation and select winning bidder(s) within a few hours. For these reasons, it is to each bidder’s advantage to resolve contractual issues prior to final bidding.

Final Pricing should be submitted on the “Final” sheet of the Bid Form (“UES_Bid_Form_2016-08.xls”). Respondent’s name must be clearly marked. Final pricing is due by **10:00 a.m. EPT on Tuesday, September 27, 2016**.

Winner Notified. UES intends to confirm final pricing, evaluate competing bids as described in Section VI, Evaluation Criteria, and select and notify the winning bidder(s) by **1:00 p.m. EPT on Tuesday, September 27, 2016**. Other bidders will be notified they were not selected by close of business.

UES, at its sole discretion, reserves the right to issue additional instructions or requests for additional information, to extend the due date, to modify any provision in this RFP or any appendix hereto or to withdraw this RFP.

Contact Person and Questions

Questions regarding this RFP should be submitted to Lisa Glover at (603) 773-6444 or glover@unitil.com.

Right to Select Supplier

UES shall have the exclusive right to select or reject any and/or all of the proposals submitted at any time, for any reason and to disregard any submission not prepared according to the requirements contained in this RFP.

Customer Billing and Customer Service

The default service power supplies procured under this RFP will be wholesale supplies. As such, the winning supplier will have no retail customer contact in any form. All customers taking default service will be retail customers of UES. As the retail provider of such service, UES will provide billing and customer service to customers receiving default service. In addition, UES will assume responsibility for the ultimate collection of moneys owed by customers in accordance with rules and regulations approved by the NHPUC.

IV. Service FeaturesSupply Obligation Period

The supply obligation period for each supply contract will commence at 0001 hours on the dates listed under “Period Begins” in the following table and will terminate at 2400 hours on the dates listed under “Period Ends” in the following table.

Customer Group	Requirements	Period Begins	Period Ends
UES Small Default Load	100%	December 1, 2016	May 31, 2017
UES Medium Default Load	100%	December 1, 2016	May 31, 2017
UES Large Default Load	100%	December 1, 2016	May 31, 2017

Delivery Point

Supplier(s) will be responsible for all settlement obligations associated with the load assets. UES load assets are currently settled at the New Hampshire Load Zone (4002). In the event that NEPOOL implements nodal settlement of load obligations, supplier(s) will be responsible for all settlement obligations at the node where the load assets are settled. The UES load physically exists and is metered at the substations listed in Appendix C of the Power Supply Agreement. The delivery points are at the PTF level.

Form of Service

The winning bidder(s) (“Seller”) shall provide firm, load-following power for delivery to ultimate customers taking service under UES’ default service tariff, as amended from time to time. The obligations and responsibilities associated with providing default service shall be transferred to the Seller via an Ownership Share for Load Asset, utilizing the NEPOOL Asset Registration Process for load assets 11451 (Small Customer Group), 11452 (Medium Customer Group) and 10019 (Large Customer Group). The percentage Ownership Share for each load asset shall be as listed on the table above under Supply Obligation Period under the column heading “Requirements.” The quantity of service that the Seller will be responsible to deliver, and that UES will be responsible to purchase, will be the volumes measured at the delivery points.

Seller shall be responsible for providing and paying for all energy and capacity services and for all ancillary services associated with the Day-Ahead Load Obligation and the Real-Time Load Obligation (as defined in Market Rule 1, Section III of ISO New England Inc.'s Transmission, Markets and Services Tariff (the "ISO Tariff")), associated with the load assets, as required by the ISO Tariff as may be amended or superseded from time to time. UES shall be responsible for providing and paying for the transmission of the power across NEPOOL PTF and for all ancillary services associated with the Regional Network Load (as defined in the Open Access Transmission Tariff, Section III of the ISO Tariff), associated with the load assets. The specific requirements regarding the provision of energy, capacity and ancillary services by the Seller, and regarding the provision of transmission service by UES, are detailed in Article 4 of the proposed Power Supply Agreement, attached as Appendix B.

UES will report the hourly default service load associated with the load assets to ISO-NE on a daily basis in accordance with the reporting practices in New England. The reported loads will incorporate appropriate load allocation and estimation techniques and available meter readings for customers receiving default service from UES. Month end adjustments, based on customer meter readings, will be made to loads approximately 45 days after each month. Such adjustments will be priced at the contract price in effect for the month the load was served.

Renewable Portfolio Standards

A minimum Electric Renewable Portfolio Standard (RPS) was established on May 11th 2007, implementing RPS requirements in New Hampshire beginning in January 2008. There are no requirements to provide renewable energy credits (RECs) for RPS compliance associated with the service sought herein.

V. Proposal Requirements

Requested Information

Respondents to this RFP must provide the information identified in the Proposal Submission Form attached as Appendix A. Please see the file named "App_A_UES_Submission_Form_2016-08.doc." Respondents are asked to complete the submission form and return it to Lisa Glover as indicated in Section III. Proposals should contain explanatory, descriptive and/or supporting materials as necessary.

Respondents will find that UES requests on the Proposal Submission Form that bidders indicate whether they will extend sufficient financial credit to UES in order to facilitate the transactions sought. UES will provide a copy of its most recent financials upon completion of the Mutual Confidential Non-Disclosure Agreement attached as Appendix C. UES has proposed financial security terms in the Power Supply Agreement. Respondents are asked to indicate their acceptance of the proposed financial security terms, along with any contract language modifications they propose. Proposed contract language modifications must be provided in a reviewable and editable manner, such as is obtained using the "track changes" features of Microsoft Word. Respondents are also asked to indicate whether they agree that the Power Supply Agreement is subject to NHPUC approval of supporting retail rates as sought by UES.

UES will treat all information received from respondents in a confidential manner and will not, except as required by law or regulatory authority, disclose such information to any third party or use such information for any purpose other than to evaluate the respondent's ability to provide the services sought in this RFP. Respondents bidding to serve UES default service loads should expect that the identity of the winning bidder(s) will be announced by the NHPUC in its order on the results of the RFP.

Proposed Pricing

For the Small and Medium Customer Groups, UES seeks fixed monthly price offers for the six month period. Respondents must specify the prices, in \$/MWh, at which they will provide default service for each month of the supply obligation period associated with the default service loads they choose to bid. Proposed prices may vary by calendar month, but must be uniform for the entire calendar month and must cover the entire supply obligation period sought. Purchases will be made on an "as-delivered" energy basis with prices stated on a fixed \$/MWh basis for all MWh reported to the ISO for the load assets. No maximum price is specified; however the resulting retail rates are subject to the review and acceptance of the NHPUC.

For the Large Customer Group, UES seeks variable monthly price offers for a six month period. Respondents must specify the monthly fixed adders, in \$/MWh, at which, in addition to the load-weighted average real-time NH LMP, they will provide default service to the Large Customer Group. Proposed monthly adder prices may vary by calendar month, but must be uniform for the entire calendar month and must cover the entire supply obligation period sought. Purchases will be made on an "as-delivered" energy basis with the monthly contract price equaling the sum of the load-weighted average real-time NH LMP plus the monthly fixed adder as bid during the RFP process. UES and the supplier will be required to confirm the calculation of the final contract price as soon as practical following the month of service in order to facilitate billing under the contract. The final contract price will be stated on a \$/MWh basis and will apply to all MWh reported to ISO New England for Load Asset 10019 (Large Customer Group). No maximum price is specified; however the resulting retail rates are subject to the review and acceptance of the NHPUC.

Bidder Requirements

In order to secure reliable, low cost default service power for its customers, UES wishes to include all qualified power suppliers in this solicitation.

Bidders must have access to the ISO settlement process for the entire term of the sale, either as a signatory to the Market Participant Service Agreement ("MPSA") or via arrangements with a signatory to the MPSA to utilize their settlement process.

Respondents are encouraged to establish complete contract language, including financial security arrangements, with UES prior to submission of final pricing.

VI. Evaluation Criteria

The principal criteria to be used in evaluating proposals will include, but may not be limited to:

- Lowest evaluated bid price over the supply obligation period;

- Financial and operational viability of the power supplier, including the establishment of mutually acceptable financial security arrangements; and
- Responsiveness to non-price requirements, including the reasonable extension of financial credit to UES, and agreement that the proposed transactions are subject to NHPUC approval of retail rates as sought by UES.
- Each customer load group supply contract sought will be evaluated and awarded separately.

Respondent pricing will be evaluated by weighting the fixed monthly pricing according to the Evaluation Loads provided on the bid sheets ("UES_Bid_Form_2016-08.xls") and as described at the end of Section II.

Appendix A: Proposal Submission Form

See file named “App_A_UES_Submission_Form_2016-08.doc”

RESPONDENT: _____

APPENDIX A: PROPOSAL SUBMISSION FORM

RESPONDENT: _____

1. General Information

Name of Respondent	
Name of Parent or Guarantor (if any)	
Principal contact person - Name - Title - Company - Mailing address - Telephone number - Fax number - E-mail address	
Secondary contact person (if any) - Name - Title - Company - Mailing address - Telephone number - Fax number - E-mail address	
Legal status of Respondent (e.g., sole proprietorship, partnership, limited partnership, joint venture, or corporation)	
State of incorporation, residency or organization	
The names of all general and limited partners (if Respondent is a partnership)	

RESPONDENT: _____

Description of Respondent and all relevant affiliated entities and joint ventures	
---	--

2. Financial Information

<i>Please provide the following for Respondent and/or Parent/Guarantor (as appropriate)</i>	Respondent	Parent/Guarantor
Current debt ratings, including names of rating agencies and dates of ratings. If entity is not rated, please indicate.		
Date last fiscal year ended.		
Total revenue for the most recent fiscal year.		
Total net income for the most recent fiscal year.		
Total assets as of the close of the previous fiscal year.		
DUNS Number and Federal Tax ID.		
Please provide a copy of the most recent financials including balance sheet, income statement and cash flow statement.		

RESPONDENT: _____

3. Defaults and Adverse Situations

<p>Describe, in detail, any situation in which Respondent (either alone or as part of a joint venture), or an affiliate of Respondent, defaulted or was deemed to be in noncompliance of its contractual obligations to deliver energy and/or capacity at wholesale within the past five years.</p> <p>Explain the situation, its outcome and all other relevant facts associated with the event described.</p> <p>Please also identify the name, title and telephone number of the principal manager of the customer/client who asserted the event of default or noncompliance.</p>	
<p>Describe any facts presently known to Respondent that might adversely affect its ability to provide the service bid herein as provided for in the Request for Proposals.</p>	

4. NEPOOL and Power Supply Experience

Is Respondent a member of NEPOOL?	
Please list Respondent's NEPOOL Participant ID.	
<p>If Respondent is NOT a NEPOOL member, list the name and Participant ID of the NEPOOL member who will carry Respondent's obligations in its settlement account. Please provide a supporting statement and contact information from such member.</p>	

RESPONDENT: _____

<p>Please describe Respondent's experience and record of performance in the areas of power marketing, brokering, sales, and/or contracting, for the last five years within NEPOOL and/or the New England region.</p>	
<p>Has Respondent previously provided Default Service to UES?</p> <p>If response is "NO", please provide references as requested below.</p> <p>-----</p> <p>--</p> <p>Please provide three references (name, title and contact information) who have contracted with the Respondent for load-following services or who can attest to Respondent's ability in the areas of power supply portfolio management within the past 2 years.</p>	<p style="text-align: center;">YES or NO</p> <p>-----</p> <p>1.</p> <p>2.</p> <p>3.</p>

5. Non Price Terms

<p>Does Respondent extend sufficient financial credit to UES to facilitate the transactions sought via this RFP?</p>	<p style="text-align: center;">YES or NO</p>
<p>Please indicate what, if any, financial security requirements Respondent has of UES in order to secure the extension of credit. Please attach any proposed contractual language.</p>	
<p>Does Respondent agree that the obligations of both parties are subject to and conditioned upon the NHPUC's approval of the retail rates derived from the transaction sought in this solicitation?</p>	<p style="text-align: center;">YES or NO</p>

RESPONDENT: _____

Please list all regulatory approvals required before service can commence.	
Is Respondent willing to enter into contractual terms substantially as proposed in the Power Supply Agreement contained in Appendix B?	YES or NO
<p>Please provide any proposed modifications to the Power Supply Agreement in Appendix B or to the PSA Amendment in Appendix B1.</p> <p>Please briefly list issues here and provide proposed language changes in the document using the “track changes” feature of Microsoft Word, or other reviewable revision marking process.</p>	

Appendix B: Power Sales Agreement

See file named “App_B_UES_Power_Sales_Agreement_2016-08.doc”

POWER SUPPLY AGREEMENT

This POWER SUPPLY AGREEMENT (“Agreement”) is dated as of September 28, 2016 and is by and between UNITIL ENERGY SYSTEMS, INC. (“UES” or “Buyer”), a New Hampshire corporation, and [Company] (“Seller”), a [what]. This Agreement provides for the sale by Seller of Default Service, as defined herein, to the Buyer. The Buyer and Seller are referred to herein individually as a “Party” and collectively as the “Parties”.

ARTICLE 1. BASIC UNDERSTANDINGS

Seller, in response to a Request for Proposals issued on August 30, 2016 by the Buyer, has been selected to be the supplier of firm, load-following power to meet the Buyer’s Service Requirements as defined in the Service Requirements Matrix found in Appendix A. This Agreement sets forth the terms under which Seller will supply, and Buyer will purchase, Default Service during the Delivery Term.

ARTICLE 2. DEFINITIONS

As used in this Agreement, the following terms shall have the meanings specified in this Article. In addition, except as otherwise expressly provided, terms with initial capitalization used in this Agreement and not defined herein shall have the meaning as defined in the ISO Rules.

Affiliate means, with respect to any Party, any person (other than an individual) that, directly or indirectly, controls, or is controlled by such Party. For this purpose, “control” means the direct or indirect ownership of fifty percent (50%) or more of the outstanding capital stock or other equity interests having ordinary voting power.

Average Weighted RT LMP (real time locational marginal price) is the value determined each month during the Delivery Term of the Large Customer Group Service Requirement. The Average Weighted RT LMP is added to the Fixed Monthly Adder to calculate the Contract Rate per MWH for the Large Customer Group Service Requirement. The calculation of the Average Weighted RT LMP is detailed in Section 5.1.

Business Day means a 24-hour period ending at 5:00 p.m. EPT, other than Saturday, Sunday and any day which is a legal holiday or a day on which banking institutions in Boston, Massachusetts are authorized by law or other governmental action to close.

Buyer means Unitil Energy Systems, Inc., its successors, assigns, employees, agents and authorized representatives.

Buyer’s System means the electrical transmission and distribution system of the Buyer.

Commencement Date means, with respect to a Service Requirement, the period beginning at the start of HE 0100 EPT on the date set forth for such Service Requirement on Schedule 1 of Appendix A.

Commission means the Federal Energy Regulatory Commission.

Competitive Supplier Terms means the Terms and Conditions for Competitive Suppliers, which are a part of the Retail Delivery Tariff, as may be amended from time to time.

Conclusion Date means the end of the HE 2400 EPT on the date set forth for the Service Requirement on Schedule 2 of Appendix A.

Contract Rate means the value expressed in \$/MWh as set forth in Appendix B, as applicable to each Service Requirement, during a month in the Delivery Term.

Credit Rating means (i) the lower of the ratings assigned to an entity's unsecured, senior long-term debt obligations (not supported by third party credit enhancements) by S&P and Moody's, (ii) in the event the entity does not have a rating for its senior unsecured long-term debt, the lower of the rating assigned to the entity as an issuer rating by S&P and Moody's, or the rating assigned to the entity as an issuer rating by any other rating agency agreed to by both Parties in each Party's sole and exclusive judgment.

Credit Requirements mean the satisfaction of any and all financial measures and/or Credit Rating status so as to avoid a Downgrade Event, as defined in Section 7.3(a).

Customer Disconnection Date means the date when a Default Service Customer is disconnected from service, as determined by the Buyer in accordance with the Retail Delivery Tariff.

Customer Group means the Small Customer Group or the Large Customer Group, as the case may be.

Customer Initiation Date means the date a retail customer of the Buyer begins taking service pursuant to the Schedule DS of the Buyer's Retail Delivery Tariff, as determined by the Buyer.

Customer Termination Date means the date when a Default Service Customer ceases to take service pursuant to Schedule DS under the Retail Delivery Tariff.

Default Service means the provision of Requirements by Seller at the Delivery Point to the Buyer to meet all needs of Default Service Customers.

Default Service Customer(s) means the retail customer(s) in each Customer Group identified in Appendix A taking service pursuant to Schedule DS of the Retail Delivery Tariff during the applicable Delivery Term.

Delivered Energy means the quantity of energy, expressed in MWh, provided by Seller under the terms of this Agreement. This quantity shall be the sum of energy reported to the ISO by the Buyer for each of the Load Assets identified in Section 6.4, with such quantity determined by the Buyer in accordance with Section 6.3 of this Agreement. Such quantity shall not include any allocation of PTF losses up to and including the Delivery Point (which the ISO may assess to Seller in relation to such energy), but shall include transmission and distribution losses on the Buyer's System from the Delivery Point to the meters of Default Service Customers.

Delivery Point means the PTF location where Requirements are settled under ISO Rules. UES load assets are currently settled at the New Hampshire Load Zone (4002). The UES load physically exists and is metered at the substations listed in Appendix C.

Delivery Term(s) means the applicable period associated with a Service Requirement beginning at the start of HE 0100 EPT in Schedule 1 through and including the end of the HE 2400 EPT in Schedule 2 of Appendix A.

EPT means Eastern Prevailing Time.

Fixed Monthly Adder means the dollar per MWH price specified in Appendix B. The Fixed Monthly Adder is added to the Average Weighted RT LMP each month during the Delivery Term of the Large Customer Group Service Requirement in order to calculate the monthly Contract Rate per MWH for the Large Customer Group Service Requirement.

GAAP means Generally Accepted Accounting Principles promulgated by the Financial Accounting Standards Board at the time of issuance of the financial statements.

Governing Documents means, with respect to any particular entity, (a) if a corporation, the (i) articles of organization, articles of incorporation or certificate of incorporation and (ii) the bylaws; (b) if a general partnership, the partnership agreement and any statement of partnership; (c) if a limited partnership, the limited partnership agreement and the certificate of limited partnership; (d) if a limited liability company, the articles or certificate of organization or formation and operating agreement; (e) if another type of entity, any other charter or similar document adopted or filed in connection with the creation, formation or organization of such entity; (f) all equity holders' agreements, voting agreements, voting trust agreements, joint venture agreements, registration rights agreements or other agreements or documents relating to the organization, management or operation of any entity or relating to the rights, duties and obligations of the equity holders of any entity; and (g) any amendment or supplement to any of the foregoing.

Interest Rate means, for any date, the lesser of (a) the per annum rate of interest equal to the prime lending rate as may from time to time be published in The Wall Street Journal under "Money Rates" on such day (or if not published on such day, on the most recent preceding day on which published), plus two percent (2%) and (b) the maximum rate permitted by applicable law.

Investment Grade means (i) if an entity has a Credit Rating from both S&P and Moody's then, a Credit Rating from S&P equal to or better than "BBB-" and a Credit Rating from Moody's equal to or better than "Baa3"; or (ii) if an entity has a Credit Rating from only one of S&P and Moody's, then a Credit Rating from S&P equal to or better than "BBB-" or a Credit Rating from Moody's equal to or better than "Baa3 or (iii) if the Parties have mutually agreed in writing on an additional or alternative rating agency, then a Credit Rating from S&P (if applicable) equal to or better than "BBB-" and/or a Credit Rating from Moody's (if applicable) equal to or better than "Baa3", and with respect to the additional or alternative rating agency, a credit rating equal to or better than that mutually agreed to by the Parties in each Party's sole and exclusive judgment.

ISO means ISO New England Inc., the Independent System Operator / Regional Transmission Organization established in accordance with the NEPOOL Agreement, and any successor.

ISO Manuals means the ISO Manual M-06 Financial Transmission Rights, the ISO Manual M-11 Market Operations, the ISO Manual M-20 Installed Capacity, the ISO Manual M-27 Tariff Accounting, the ISO Manual M-28 Market Rule 1 Accounting, the ISO Manual M-29 Billing, the ISO Manual M-35 Definitions and Abbreviations, the ISO Manual M-36 Forward Reserve, the ISO Manual M-LRP Load Response Program, as they may be amended, restated, or succeeded from time to time. In the event that ISO adopts additional manuals, then these shall also be included in this definition.

ISO Rules means all rules adopted by the ISO or NEPOOL, as such rules may be amended, added, superseded and restated from time to time, including the NEPOOL Agreement, ISO New England Inc. Transmission, Markets and Services Tariff FERC Electric Tariff No. 3, the Transmission Operating Agreement, and the Participants Agreement, the ISO Manuals, and the NEPOOL Operating Procedures.

kWh means kilowatt-hour.

Large Customer Group means the retail customers assigned to the following customer rate class: Large General Service Schedule G1.

Material Adverse Effect means, with respect to a Party, any change in or effect on such Party after the date of this Agreement that is materially adverse to the transactions contemplated hereby, excluding any change or effect resulting from (a) changes in the international, national, regional or local wholesale or retail markets for electric power; (b) changes in the international, national, regional or local markets for any fuel; (c) changes in the North American, national, regional or local electric transmission or distribution systems; and (d) any action or inaction by a governmental authority, but in any such case not affecting the Parties or the transactions contemplated hereby in any manner or degree significantly different from others in the industry as a whole.

Medium Customer Group means the retail customers assigned to the following customer rate classes: Regular General Service Schedule G2, and Outdoor Lighting Service Schedule OL.

Moody's means Moody's Investors Service Inc., its successors and assigns.

MWh means Megawatt-hour.

NE-GIS means the NEPOOL Generation Information System, which includes a generation information database and certificate system, operated by ISO, its designee or successor entity, that accounts for generation attributes of electricity consumed within New England.

NE-GIS Certificates means a document produced by the NE-GIS that identifies the relevant generation attributes of each MWh accounted for in the NE-GIS from a generation unit.

NEPOOL means the New England Power Pool, or its successor.

NEPOOL Agreement means the Second Restated New England Power Pool Agreement effective on February 1, 2005, as amended or accepted by the Commission and as may be amended, superseded and/or restated from time to time.

NHPUC means the New Hampshire Public Utilities Commission.

NH Load Zone means the New Hampshire Reliability Region as defined in the ISO Rules.

PTF means facilities categorized as Pool Transmission Facilities under ISO Rules.

Requirements shall be defined in Section 4.2(c).

Retail Delivery Tariff means UES' Tariff for Electric Delivery in the State of New Hampshire.

S&P means Standard & Poor's Rating Group, its successors and assigns.

Service Requirement means a load-following, wholesale power supply requirement, defined by a unique combination of Customer Group, load responsibility and Delivery Term as listed in Appendix A.

Shareholder Equity means the Common Stock Equity as defined in the audited annual financial statements prepared in accordance with current U.S. GAAP. However, Shareholder Equity shall be exclusive of accumulated Other Comprehensive Income.

Small Customer Group means the retail customers assigned to the following customer rate classes: Domestic Delivery Service Schedule D.

ARTICLE 3. TERM, SERVICE PROVISIONS AND REGISTRATION REQUIREMENTS

Section 3.1 Term

This Agreement shall be effective immediately upon execution by the Parties and shall continue in effect until the Service Requirements listed in Appendix A have been fully performed and final payment made hereunder or this Agreement has been otherwise terminated as provided herein by reason of an uncured Event of Default. As of the expiration of this Agreement or, if earlier, its termination, the Parties shall no longer be bound by the terms and provisions hereof, except (a) to the extent necessary to enforce the rights and obligations of the Parties arising under this Agreement before such expiration or termination and (b) the obligations of the Parties hereunder with respect to audit rights, remedies for default, damages claims, indemnification and defense of claims shall survive the termination or expiration of this Agreement to the full extent necessary for their enforcement and the protection of the Party in whose favor they run, subject to any time limits specifically set forth in this Agreement.

Section 3.2 Commencement of Supply

- (a) Beginning as of the Commencement Date applicable to the Customer Group set forth on Appendix A, Seller shall provide Requirements to the Buyer. For purposes of certainty: Seller's obligations on the Commencement Date shall be to provide Requirements for all Default Service Customers taking service as of and including the Commencement Date.
- (b) With respect to each person or entity that becomes a Default Service Customer subsequent to the Commencement Date, Seller shall provide Requirements to the Buyer to meet the needs of the Default Service Customer(s) as of and including the Customer Initiation Date for such customer initiating such service during the Delivery Term.
- (c) During the Delivery Term that Seller provides Default Service to the Buyer's Large Customer Group, Buyer shall make its best efforts to notify Seller promptly of all Customer Initiation Dates of retail customers in the Large Customer Group. Upon such notice, Buyer shall also provide historic annual (prior billed 12 months) peak kVa and total kWh consumption for such customers.

Section 3.3 Termination and Conclusion of Supply

- (a) With respect to each Default Service Customer that terminates Default Service, during the Delivery Term, Seller shall not provide Requirements for such customer as of the Customer Termination Date.
- (b) During the Delivery Term that Seller provides Default Service to the Buyer's Large Customer Group, Buyer shall make best efforts to notify Seller promptly of all Customer Termination Dates and Customer Disconnection Dates of retail customers in the Large Customer Group. Upon such notice, Buyer shall also provide historic annual (prior billed 12 months) peak kVa and total kWh consumption for such customers.
- (c) Seller's obligation to provide Requirements shall cease at the Conclusion Date.

Section 3.4 Distribution Service Interruptions

Seller acknowledges that interruptions in distribution service occur and may reduce the load served hereunder. Seller further acknowledges and agrees that the Buyer may interrupt

distribution service to customers consistent with the Distribution Service Terms and the Competitive Supplier Terms. In no event shall a Party have any liability or obligation to the other Party in respect of any such interruptions in distribution service.

Section 3.5 Release of Customer Information

The Buyer will not issue any customer information to Seller unless Seller has first obtained the necessary authorization in accordance with the provisions of the Competitive Supplier Terms.

Section 3.6 Change in Supply; No Prohibition on Programs

(a) Seller acknowledges and agrees that the number of customers and the Requirements to meet the needs of such customers will fluctuate throughout the Delivery Term and may equal zero. The Buyer shall not be liable to Seller for any losses Seller may incur, lost revenues, and losses that may result from any change in Requirements, number or location of customers taking service, the location of the Delivery Point(s), the composition or components of market products or Requirements, or the market for electricity, or change in the Retail Delivery Tariff. Seller further acknowledges and agrees that there is no limit on the number of Customer Initiation Dates, Customer Termination Dates and Customer Disconnection Dates.

(b) Seller acknowledges and agrees that the Buyer has the right but not the obligation to continue, initiate, support or participate in any programs, promotions, or initiatives designed to or with the effect of encouraging customers to leave Default Service for any reason ("Programs"). Nothing in this Agreement shall be construed to require notice to or approval of Seller in order for the Buyer to take any action in relation to Programs.

(c) Seller acknowledges and agrees that the Buyer and Affiliates of the Buyer will not provide Seller preferential access to or use of the Buyer's System and that Seller's sole and exclusive rights and remedies with regard to access to, use or availability of the Buyer's System, and the Buyer's or Affiliates of the Buyer's obligation to transmit electricity are those rights, remedies and obligations provided under the Retail Delivery Tariff, the ISO Rules, and the Buyer's Open Access Transmission Tariff.

Section 3.7 Disclosure Requirements

In the event that the NHPUC implements a disclosure label requirement, which requires the Buyer to document its power supply attributes, then the Seller shall provide the Buyer information pertaining to power plant emissions, fuel types, labor information and any other information required by the Buyer to comply.

Section 3.8 Regulatory Approvals

Notwithstanding Section 21(d) below, or anything else to the contrary herein, the Parties' obligations under this Agreement are subject to Buyer obtaining approval from NHPUC of the inclusion in retail rates of the amounts payable by Buyer to Seller under this Agreement, without material modification to the obligations of either Party under this Agreement. Buyer shall use its best efforts to obtain prompt approval of such rates. If Buyer is unable to obtain NHPUC approval by October 7, 2016, Buyer and Seller agree to review the status of such approval process and determine whether to continue to pursue the transaction contemplated in this Agreement. If the Parties cannot agree as to how to continue such transaction, this Agreement shall terminate without liability to either Party.

ARTICLE 4. SALE AND PURCHASE

Section 4.1 Provision Delivery and Receipt

Seller shall provide and deliver to the Delivery Point and the Buyer shall receive at the Delivery Point the percent of the Requirements applicable to each Service Requirement as set forth on Appendix A during the Delivery Term.

Section 4.2 Responsibilities

(a) Buyer shall be responsible for arranging and paying for the transmission of the power across NEPOOL PTF and for any ancillary services, allocated to the Network Load, associated with the Service Requirements. Arranging and paying for transmission across NEPOOL PTF, required of the Buyer, includes, but is not limited to taking Regional Network Service under the ISO New England Inc. Transmission, Markets and Services Tariff (“ISO Tariff”). Arranging and paying for ancillary services, required by the Buyer, includes, but is not limited to any transmission dispatch or power administration services, as may be allocated to Network Load in accordance with ISO Rules. Arranging and paying for transmission from NEPOOL PTF to Buyer’s distribution facilities includes, but is not limited to, taking Network Integration Transmission Service under the Service Agreement for Network Integration Transmission Service between Northeast Utilities Service Company and UES.

(b) Seller shall be responsible for all present and future obligations, requirements, and costs associated with the Requirements.

(c) The term “Requirements” means the provision of energy at the Delivery Point as set forth in Section 4.2(e), capacity as set forth in Section 4.2(f) and ancillary services as set forth in Section 4.2(g), in each case associated with the Service Requirements as set forth in Appendix A.

(d) If ISO Rules are modified during the Term of this Agreement, which change the allocation of currently existing charges and obligations from the Load Asset, associated with the Service Requirements to the Network Load, associated with the Buyer’s transmission responsibilities, then, if possible, the charges or obligations shall be transferred back to the Seller through the ISO and/or ISO settlement process. If such transfer is not possible, then the Seller shall compensate the Buyer for any additional cost. If ISO Rules are modified during the Term of this Agreement, which change the allocation of currently existing charges and obligations from the Network Load, associated with the Buyer’s transmission responsibilities to the Load Asset, associated with the Service Requirements, then, if possible, the charges or obligations shall be transferred back to the Buyer through the ISO and/or ISO settlement process. If such transfer is not possible, then the Buyer shall compensate the Seller for such charges. If ISO Rules are changed after the date of this Agreement, which create new charges or obligations, associated with the Service Requirements, then the Seller shall be responsible for such new charges or obligations. Likewise, if ISO Rules are changed during the Term of this Agreement, which create new charges or obligations, associated with the Network Load, associated with the Buyer’s transmission responsibilities, then the Buyer shall be responsible for such charges or obligations.

(e) Provision of energy includes, but is not limited to the following. Seller shall have the Day-Ahead Load Obligation and the Real-Time Load Obligation, associated with the Service Requirements at the Delivery Point. Currently, the Energy Settlement Obligation, associated with the Service Requirements at the Delivery Point, is settled at the New Hampshire Load Zone. In the event that NEPOOL or the ISO implements nodal settlement of load obligations of the

Day-Ahead Energy Market and Real-Time Energy Market, the Seller shall continue to be responsible for Day-Ahead and Real-Time Load Obligations at the appropriate settlement location(s), associated with the Service Requirements at the Delivery Point.

(f) Provision of capacity includes, but is not limited to the following. Seller shall have the ICAP Settlement Obligation, associated with the Service Requirements at the Delivery Point. Currently, the ICAP Settlement Obligation, associated with the Service Requirements at the Delivery Point, can be satisfied with any ICAP resource, recognized by the ISO in the NEPOOL control-area or imported into the NEPOOL control-area. In the event that ISO implements a locational capacity requirement, including that which was proposed in the Commission's docket number ER03-563, then the Seller will be responsible for providing ICAP at the location, required to meet the Locational ICAP Settlement Obligation, associated with the Service Requirements at the Delivery Point.

(g) Provision of ancillary services, required of the Seller, includes, but is not limited to Regulation, Operating Reserves, Reliability Must-Run Operating Reserves ("RMR") other than RMR Operating Reserve charges that are monthly fixed-cost charges paid to resources pursuant to agreements negotiated under Market Rule 1, Appendix A, Section 6, net commitment period compensation ("NCPC") other than RMR NCPC charges that are monthly fixed-cost charges paid to resources pursuant to agreements negotiated under Market Rule 1 Appendix A, Section 6, Forward Reserves, and any transmission dispatch or power administration services, as may be allocated to the Owner of the Load Assets, associated with the Service Requirements in accordance with ISO Rules. If ISO Rules are changed such that locational ancillary services are required, then the Seller shall be responsible for meeting the locational ancillary services requirement, associated with the Service Requirements at the Delivery Point.

(h) It is the intent of the Parties that for each Financial Transmission Rights Auction ("FTR Auction") conducted by the ISO for months within the Delivery Terms(s), those Auction Revenue Rights ("ARRs") associated solely with the Service Requirement shall be assigned or paid to Seller, provided, however, Buyer shall be under no obligation to participate in any manner in any FTR Auction in order to increase Auction Revenue Right quantities.

ARTICLE 5. AMOUNT, BILLING and PAYMENT

Section 5.1 Amount

The amount payable by the Buyer to Seller for Delivered Energy in a month shall be the product of (a) the sum of the Delivered Energy for each Customer Group, as identified in Appendix A in each month during the applicable Delivery Term; and (b) the Contract Rate for such Service Requirement as identified in Appendix B for such month during the applicable Delivery Term.

Appendix B indicates that the prices listed for the Large Customer Group are Fixed Monthly Adders, therefore the Contract Rate will be calculated as the sum of the Average Weighted RT LMP and the Fixed Monthly Adder as shown in Equation 1. The Average Weighted RT LMP is calculated in accordance with Equation 2.

Equation 1

$$\text{Contract Rate} = \text{Average Weighted RT LMP} + \text{Fixed Monthly Adder}$$

The Average Weighted RT LMP shall be calculated using the MWH of Delivered Energy reported for the Large Customer Group default service load asset, Load Asset number 10019, and the hourly real time locational marginal prices (“RT LMP”) for the settlement location of Load Asset 10019, which is currently the New Hampshire Load Zone (4002). The Average Weighted RT LMP equals the sum of the products of the RT LMP and the Delivered Energy (MWH) of Load Asset 10019 in each hour of the month of service, divided by the sum of Delivered Energy (MWH) of Load Asset 10019 for the month of service, as shown in Equation 2.

Equation 2

$$\text{Average Weighted RT LMP} = \frac{\text{Sum [hourly RT LMP * hourly Delivered Energy (MWH) of Load Asset 10019]}}{\text{Sum [hourly Delivered Energy (MWH) of Load Asset 10019]}}$$

The Large Customer Group prices listed in Appendix B are Fixed Monthly Adders requiring the Contract Rate to be calculated as described in Equation 1 and Equation 2, and the Contract Rate will be determined and affirmed by both Buyer and Seller by the third business day following the month of service. Once agreed upon, the Contract Rate for the month of service shall be final and shall not be subject to change in the event that either the New Hampshire RT LMP or the Delivered Energy (MWH) of Load Asset 10019 are subsequently revised or restated.

Section 5.2 Billing and Payment

(a) On or before the twentieth (20th) day of each month (“Invoice Date”) during the term of this Agreement, Seller shall calculate the amount due and payable to Seller pursuant to this Article 5, for Delivered Energy with respect to the preceding month (the “Calculation”). Seller shall provide the Calculation to the Buyer and such Calculation shall include sufficient detail for the Buyer to verify its formulation and computation. Calculations under this paragraph shall be subject to recalculation in accordance with Article 6 and shall be subject to adjustment (positive or negative) based upon such recalculation (a “Reconciliation Adjustment”). Seller shall promptly calculate the Reconciliation Adjustment upon receiving data described in Section 6.3 and shall include the adjustment, if any, in the next month’s Invoice. A Reconciliation Adjustment based upon a change in the quantity for an earlier month shall be calculated using the applicable Contract Rate for the month in which the Delivered Energy was received.

(b) Seller shall submit to the Buyer an invoice with such Calculation as provided for in paragraph (a) of this Section (the “Invoice”) and the respective amounts due under this Agreement on the Invoice Date. The Buyer shall pay Seller the amount of the Invoice (including the Reconciliation Adjustment, if any, as a debit or credit) less any amounts disputed in accordance with Section 5.3, on or before the later of the last Business Day of each month, or the tenth (10th) day after receipt of the Invoice, or, if such day is not a Business Day, then on the next following Business Day, (the “Due Date”). Except for amounts disputed in accordance with Section 5.3, if all or any part of the Invoice remains unpaid after the Due Date, interest shall accrue after but not including the Due Date and be payable to Seller on such unpaid amount at the Interest Rate in effect on the Due Date. The Due Date for a Reconciliation Adjustment shall be the Due Date of the Invoice in which it is included.

(c) Each Party shall notify the other Party upon becoming aware of an error in an Invoice, Calculation or Reconciliation Adjustment (whether the amount is paid or not) and Seller shall promptly issue a corrected Invoice. Overpayments shall be returned by the receiving Party upon request or deducted by the receiving Party from subsequent invoices, with interest accrued at the Interest Rate from the date of the receipt of the overpayment until the date paid or deducted.

Section 5.3 Challenge to Invoices

Either Party may challenge, in writing, the accuracy of Calculations, Invoices, Reconciliation Adjustments and data no later than twenty-four (24) months after the Due Date of the Invoice in which the disputed information is contained. If a Party does not challenge the accuracy within such twenty-four (24) month period, such Invoice shall be binding upon that Party and shall not be subject to challenge. If any amount in dispute is ultimately determined (under the terms herein) to be due to the other Party, it shall be paid or returned (as the case may be) to the other Party within three (3) Business Days of such determination along with interest accrued at the Interest Rate from the (i) date due and owing in accordance with the Invoice until the date paid or (ii) if the amount was paid and is to be returned, from the date paid, until the date returned.

Section 5.4 Taxes, Fees and Levies

Seller shall be obligated to pay all present and future taxes, fees and levies ("Taxes") which may be assessed by any entity upon the Seller's performance under this Agreement the purchase and sale of Requirements. Seller shall pay all Taxes with respect to the Requirements up to and at the Delivery Point, and the Buyer will pay all Taxes with respect to the Requirements after the Delivery Point. All Requirements, including electricity and other related market products delivered hereunder by Seller to the Buyer shall be sales for resale with the Buyer reselling such electricity and products.

Section 5.5 Netting and Setoff

Except for security provided pursuant to Section 7.3 (which shall not be considered for purposes of this Section 5.5) and unless otherwise specified in another agreement between the Parties, if the Parties are required to pay an amount in the same month each to the other under this Agreement or any other agreement between the Parties, or if any costs that are a Party's responsibility under this Agreement are incorrectly or inappropriately charged to the Party by the ISO, such amounts shall be netted, and the Party owing the greater aggregate amount shall pay to the other Party any difference between the amounts owed. Each Party reserves all rights, setoffs, counterclaims and other remedies and defenses (to the extent not expressly herein or therein waived or denied) that such Party has or to which such Party may be entitled arising from or out of this Agreement or the other agreement. Further, if the Buyer incurs any costs or charges that are the responsibility of Seller under this Agreement, such costs or charges may, at the Buyer's election, be netted against any amount due to Seller under this Agreement. All outstanding obligations to make payment under this Agreement or any other agreement between the Parties may be netted against each other, set off or recouped there from, or otherwise adjusted.

ARTICLE 6. QUALITY; LOSSES and QUANTITIES REQUIRED; DETERMINATION AND REPORTING OF HOURLY LOADS

Section 6.1 Quality

All electricity shall be delivered to the Buyer in the form of three-phase sixty-hertz alternating current at the Delivery Point.

Section 6.2 Losses

Seller shall be responsible for any transmission losses up to and including the Delivery Point. Losses beyond the Delivery Point are included in Delivered Energy and are paid for by the Buyer at the applicable Contract Rate.

Section 6.3 Determination and Reporting of Hourly Loads

The Buyer will estimate the Delivered Energy for Default Service provided by Seller pursuant to this Agreement based upon average load profiles developed for each of the Buyer's customer classes, actual metered data, as available, and the Buyer's actual total hourly load. The Buyer shall report to the ISO and Seller, the estimated Delivered Energy. In accordance with the ISO Rules, the Buyer will normally report to the ISO and to Seller, the Seller's estimated Delivered Energy by 1:00 P.M. EPT of the second following Business Day after delivery. The Buyer shall have the right but not the obligation, in its sole and exclusive judgment, to modify the Estimation Process from time to time, provided that any such modification is designed with the objective of improving the accuracy of the Estimation Process.

Each month, the Buyer shall reconcile the Buyer's estimate of the Delivered Energy based upon the Buyer's meter reads (such meter reads as provided for in the Retail Delivery Tariff). The reconciliation, including all losses, shall be the adjusted Delivered Energy. In accordance with the ISO Rules the Buyer will normally notify the ISO of any resulting adjustment (debit or credit) to Seller's account for the Load Assets (set forth in Section 6.4) no later than the last day of the third month following the billing month.

Section 6.4 ISO Settlement Power System Model Implementation

The Default Service provided by Seller pursuant to this Agreement will be initially represented within the ISO Settlement Power System Model as described in Appendix A.

As soon as possible after the execution of this Agreement and before the Commencement Date, the Buyer shall assign to Seller, and Seller shall accept assignment of an Ownership Share for each Load Asset identified in Appendix A. Such assignment shall be effective beginning on the Commencement Date. Seller shall take any and all actions necessary to effectuate such assignment including executing documents required by ISO Rules. Once Seller's provision of Default Service terminates (at the end of a Delivery Term or otherwise), the Buyer and Seller will terminate Seller's Ownership Shares of the aforementioned Load Assets.

The Buyer shall have the right to change the Load Asset designations (identified above) from time to time, consistent with the definition and provision of Default Service. If and to the extent such designations change, the Buyer and Seller shall cooperate to timely put into effect the necessary documents that may be required to implement the new designations and terminate the prior designations.

ARTICLE 7. DEFAULT AND TERMINATION

Section 7.1 Events of Default

(a) Any one or more of the following events shall constitute an "Event of Default" hereunder with respect to the Buyer:

(i) Failure of the Buyer

(A) in any material respect to comply with, observe or perform any covenant, warranty or obligation under this Agreement (but excluding events that are otherwise specifically covered in this Section as a separate Event of Default and except due to causes excused by Force Majeure or attributable to Seller's' in breach of this Agreement); and

(B) After receipt of written notice from Seller such failure continues for a period of five (5) Business Days, or, if such failure cannot be reasonably cured within such five (5) Business Day period, such further period as shall reasonably be required to effect such cure (but in no event longer than thirty (30) days), provided that the Buyer commences within such five (5) Business Day period to effect a cure and at all times thereafter proceed diligently to complete the cure as quickly as possible and provides to Seller written documentation of its efforts and plan to cure and estimated time for completion of the cure.

(ii) Failure of the Buyer to (A) make when due any undisputed payment due to Seller hereunder; and (B) after receipt of written notice from Seller such failure continues for a period of three (3) Business Days.

(iii) Failure of the Buyer to accept Default Service in accordance with Article 3 (unless excused by Force Majeure or attributable to the Seller's breach of this Agreement, or otherwise in accordance with this Agreement).

(b) Any one or more of the following events shall constitute an "Event of Default" hereunder with respect to Seller:

(i) Failure of Seller

(A) in any material respect to comply with, observe, or perform any covenant, warranty or obligation under this Agreement (but excluding events that are otherwise specifically covered in this Section as a separate Event of Default and except due to causes excused by Force Majeure or attributable to the Buyer's in breach of this Agreement); and

(B) after receipt of written notice from the Buyer such failure continues for a period of five (5) Business Days, or, if such failure cannot be reasonably cured within such five (5) Business Day period, such further period as shall reasonably be required to effect a cure (but in no event longer than thirty (30) days), provided that Seller commences within such five (5) Business Day period to effect such cure and at all times thereafter proceeds diligently to complete the cure as quickly as possible and

provides to the Buyer written documentation of its efforts and plan to cure and estimated time for completion of the cure;

- (ii) Failure of Seller to provide Requirements in accordance with Articles 3 and 4
- (c) Any one or more of the following events with respect to either Party shall constitute an "Event of Default" hereunder with respect to such Party:
- (i) The entry by a court having jurisdiction in the premises of (A) a decree or order for relief in respect of such Party in an involuntary case or proceeding under any applicable federal or state bankruptcy, insolvency, reorganization or other similar law, or (B) a decree or order adjudging such Party as bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of such Party under any applicable federal or state law, or appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of such Party or of any substantial part of its property, or ordering the winding up or liquidation of its affairs;
 - (ii) The commencement by such Party of a voluntary case or proceeding, or any filing by a third party of an involuntary case or proceeding against a Party that is not dismissed within forty-five (45) days of such filing, under any applicable federal or state bankruptcy, insolvency, reorganization or other similar law, or of any other case or proceeding to be adjudicated as bankrupt or insolvent, or the consent by it to the entry of a decree or order for relief in respect of such Party in an involuntary case or proceeding under any applicable federal or state bankruptcy, insolvency, reorganization or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under any applicable federal or state law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of a Party or of any substantial part of its property, or the making by it of an assignment for the benefit of creditors, or the admission by it in writing of its inability to pay its debts generally as they become due, or the taking of corporate action by such Party in furtherance of any such action;
 - (iii) Any representation or warranty made by a Party is or becomes false or misleading in any material respect.
 - (iv) Failure of such Party to deliver Performance Assurance when due in accordance with Section 7.3 if such failure is not remedied within three (3) Business Days after written notice.

Section 7.2 Remedies Upon Default

The Parties shall have the following remedies available to them with respect to the occurrence of an Event of Default with respect to the other Party hereunder:

- (a) Upon the occurrence of an Event of Default, the non-defaulting Party shall have the right to (i) continue performance under this Agreement and exercise such rights and remedies as it may have at law, in equity or under this Agreement and seek remedies as may be necessary or desirable to enforce performance and observation of any obligations and covenants under this Agreement, so long as such rights and remedies are not duplicative of any other rights and

remedies hereof, and do not otherwise enable the non-defaulting Party to obtain performance or payments in excess of the performance and payments to which it is otherwise entitled pursuant to this Agreement, or (ii) at its option, give such defaulting Party a written notice (a "Termination Notice") terminating this Agreement. Upon a termination for an Event of Default under Section 7.1(a), (b) or (c)(iii) and (iv), such termination shall be effective as of the date specified in the Termination Notice, which date shall be no earlier than the date such notice is effective and no later than thirty (30) days after the date of such notice is provided to the defaulting Party in accordance with Article 8. Upon a termination for an Event of Default under Section 7.1(c)(i) or (ii), such termination shall be effective as of the Event of Default, upon notice being provided to the defaulting Party in accordance with Article 8. Any attempted cure by a defaulting Party after a Termination Notice has been provided or the effective termination under Section 7.1(c)(i) or (ii) shall be void and of no effect. The Parties' obligations under this Agreement, in general and under this Section 7.2 in particular, are subject to the duty to mitigate damages as provided under common law.

(b) At any time after the occurrence of an Event of Default, or the delivery of a Termination Notice to the defaulting Party by the non-defaulting Party, the non-defaulting Party may exercise any rights it may have pursuant to the Section 7.3 (Security).

(c) In the event of termination for an Event of Default as provided in Section 7.1, in addition to any amounts owed for performance (or failure to perform) hereunder prior to such termination, the non-defaulting Party may recover, without duplication, its direct damages resulting from such Event of Default; such damages shall include the positive (if any) present value of this Agreement to the non-defaulting Party for the portion of the Delivery Term remaining at the time of such termination, to be determined by reference to market prices, transaction costs and load reasonably projected for the remaining portion of the Delivery Term ("Termination Damages"). The Termination Damages shall include all reasonably incurred transaction costs and expenses that otherwise would not have been incurred by the non-defaulting Party. In determining its Termination Damages, the non-defaulting Party shall offset its losses and costs by any gains or savings realized by the non-defaulting Party as a result of the termination.

Payment of Termination Damages, if any, shall be made by the defaulting Party to the non-defaulting Party within five (5) days after calculation of such Termination Damages and receipt of a notice including such calculation of the amounts owed hereunder and a written statement showing in reasonable detail the calculation and a summary of the method used to determine such amounts. Upon the reasonable request of the defaulting Party, the non-defaulting Party shall provide reasonable documentation to verify the costs underlying the Termination Damages. If the defaulting Party disputes the non-defaulting Party's calculation of the Termination Damages, in whole or in part, the defaulting Party shall, within five (5) days of receipt of the non-defaulting Party's calculation of the Termination Damages, provide to the non-defaulting Party a detailed written explanation of the basis for such dispute; provided, however, that, the defaulting Party shall first pay the Termination Damages, if any, to the non-defaulting Party in accordance with the preceding sentence, and the non-defaulting Party shall then deposit such disputed amount into an interest bearing escrow account for the benefit of the prevailing Party and the dispute shall be resolved in accordance with Section 15.2.

(d) Notwithstanding any other provision of this Agreement, the cure of any default or failure to comply with, observe or perform any covenant, warranty or obligation under this Agreement

within the period provided therefor in this Article shall not release such defaulting Party from its obligations under Section 9.2 of this Agreement.

(e) Upon termination the Buyer shall, and upon the occurrence of an Event of Default by Seller, the Buyer shall have the right to, immediately notify the ISO that (i) the assignment from the Buyer to Seller of the applicable Ownership Share has been terminated, (ii) the Load Assets shall be removed from Seller's account and placed in the account of the Buyer and (iii) Seller consents to such action. In the event the Buyer so notifies the ISO, Seller shall immediately take any and all actions that may be required by the ISO to remove the Load Assets from Seller's account and place them in the account of the Buyer. If the Agreement has not been terminated, the Buyer, in its sole discretion with 5 Business Days prior notice to Seller, may elect to assign the applicable Ownership Share of the Load Assets to the account of Seller and Seller shall accept such assignment, consistent with the actions required by Section 6.4 of this Agreement.

Section 7.3 Security

(a) If (i) with respect to Seller or Seller's credit support provider, [Seller's credit support provider], the Credit Rating of Seller or Seller's credit support provider is downgraded by Moody's and S&P, such that its Credit Rating is below an Investment Grade; or (ii) with respect to Buyer, its Shareholder Equity is at any time less than \$25,000,000 (each a "Downgrade Event"), then within three (3) Business Days after a request of the other Party, the downgraded Party shall deliver the applicable amount of performance assurance required pursuant to this Article 7 ("Performance Assurance") to the other Party ("Compliant Party").

(b) If Performance Assurance is required to be posted by a Party pursuant to the immediately preceding paragraph, the following Sections 7.3(b)(i) through 7.3(b)(iv) shall apply:

(i) The Compliant Party shall calculate its exposure under this Agreement as soon as practicable after the Downgrade Event, and on a monthly basis thereafter ("Performance Assurance Calculation Date").

(ii) All Performance Assurance shall be delivered in the form of: (i) U.S. Dollars delivered by wire transfer of immediately available funds ("Funds"); or (ii) a Letter of Credit from a Qualified Institution (as defined herein). For purposes of determining the amount of Performance Assurance held at any time, a Letter of Credit shall be valued at zero unless it expires more than thirty (30) days after the date of valuation. For purposes of this Agreement, the Parties acknowledge that any Performance Assurance provided by Buyer shall be in the form of Funds as defined in this Section 7.3. For purposes hereof, "Letter(s) of Credit" means one or more irrevocable, transferable standby letters of credit issued by a U.S. commercial bank or a U.S. branch of a foreign bank (which is not an affiliate of either Party) with such bank having a credit rating of at least A- from S&P and A3 from Moody's, having \$1,000,000,000 in assets (a "Qualified Institution"), and otherwise being in a form acceptable to the Party in whose favor the letter of credit is issued. Costs of a Letter of Credit shall be borne by the applicant for such Letter of Credit.

(iii) For purposes hereof, it shall be a Letter of Credit Default ("Letter of Credit Default") with respect to an outstanding Letter of Credit, upon the occurrence of any of the following events: (i) the bank issuing the Letter of Credit shall fail to maintain a credit rating of at least "A-" by S&P and "A3" by Moody's, (ii) the bank issuing the

Letter of Credit shall fail to comply with or perform its obligations under such Letter of Credit if such failure shall be continuing after the lapse of any applicable grace period; (iii) the bank issuing the Letter of Credit shall disaffirm, disclaim, repudiate or reject, in whole or in part, or challenge the validity of such Letter of Credit; (iv) such Letter of Credit shall fail or cease to be in full force and effect at any time during the term of any outstanding transaction; or (v) the pledgor or the bank issuing the Letter of Credit shall fail to cause the renewal or replacement of the Letter of Credit to the secured party at least thirty (30) Business Days prior to the expiration of such Letter of Credit; provided, however, that no Letter of Credit Default shall occur in any event with respect to a Letter of Credit after the time such Letter of Credit is required to be canceled or returned to the pledgor in accordance with the terms of this Agreement. If a Letter of Credit Default occurs, then the Party which applied for such Letter of Credit shall have five (5) Business Days to cure the event(s) causing the Letter of Credit Default or to replace the Letter of Credit with a substitute Letter of Credit or Funds. Any failure to cure the event(s) causing the Letter of Credit Default or to provide a substitute Letter of Credit or Funds within five (5) Business Days of the event(s) leading to the Letter of Credit Default shall be an Event of Default under Section 7.1(c)(iv).

(iv) The Compliant Party will be entitled to hold posted Performance Assurance, provided that the following conditions applicable to it are satisfied: (1) the Compliant Party is not a defaulting Party; (2) the Compliant Party or Seller has and maintains an Investment Grade Credit Rating or at least the minimum Shareholder Equity required in Section 7.3(a), as applicable; and (3) the posted Performance Assurance is held only in the United States. For funds held as Performance Assurance by the Compliant Party, the Interest Rate will be the Federal Funds Rate as from time to time in effect. "Federal Funds Rate" means, for the relevant determination date, the rate opposite the caption "Federal Funds (Effective)" as set forth in the weekly statistical release designated as H.15 (519), or any successor publication, published by the Board of Governors of the Federal Reserve System. Such interest shall be calculated commencing on the date Performance Assurance in the form of cash is received by a Party but excluding the earlier of: (i) the date Performance Assurance in the form of cash is returned to a Party; or (ii) the date Performance Assurance in the form of cash is applied to a pledgor's obligations pursuant to Section 7.3 with the net amount of interest accrued monthly being payable on the third Business Day of the following month. A Party holding Performance Assurance may apply such Performance Assurance, without prior notice to the other party, to satisfy the obligations of the other Party in accordance with Section 7.2. Each Party hereby covenants and agrees that it shall be entitled herein to hold posted Performance Assurance as custodian on its own behalf as a secured party if it meets the criteria set forth above in this Section 7.3. However, if the Party holding Performance Assurance is not eligible to hold posted Performance Assurance pursuant to this Section 7.3, then such Party shall be considered ineligible to hold posted Performance Assurance as a secured party and such posted Performance Assurance shall be maintained as follows: the ineligible secured party will cause all posted Performance Assurance received from the other Party to be segregated from the secured party's own property and identified clearly as Performance Assurance and to be held in an account in which no property of the secured party is held (a "Collateral Account") with a domestic office of a Qualified Institution, each of which accounts may include property of other parties which have delivered posted Performance Assurance to the secured party under

other agreements, but will bear a title indicating that the secured party's interest in said account is as a holder of collateral. Such accounts will bear interest at the rate offered by the Qualified Institution. In addition, the secured party may direct the pledgor to transfer or deliver eligible Performance Assurance directly into the secured party's Collateral Account. The secured party shall cause statements concerning the posted Performance Assurance transferred or delivered by the pledgor to be sent to the pledgor on request, which may not be made more frequently than once in each calendar month.

(c) Prior to the Commencement Date and at any time upon the request by Buyer of Seller or by Seller of Buyer, the Party to whom the request is made shall establish that it meets the Credit Requirements by providing (x) a certificate of one of its authorized officers, accompanied by supporting certified financial statements and (y) documentation of its Credit Rating or its Shareholder Equity, as applicable. Buyer and Seller shall inform the other Party within one (1) Business Day of any failure to satisfy the Credit Requirements, provided that, in no event, shall the failure of a Party to provide the notice required pursuant to this sentence constitute a default or an Event of Default pursuant to Section 7.1.

Section 7.4 Forward Contract

Each Party represents and warrants to the other that it is a “forward contract merchant” within the meaning of the United States Bankruptcy Code, that this Agreement is a “forward contract” within the meaning of the United States Bankruptcy Code, and that the remedies identified in this Agreement, including those specified in Section 7, shall be “contractual rights” as provided for in 11 U.S.C. § 556 as that provision may be amended from time to time.

ARTICLE 8. NOTICES, REPRESENTATIVES OF THE PARTIES

Section 8.1 Notices

Any notice, demand, or request required or authorized by this Agreement to be given by one Party to another Party shall be in writing. It shall either be sent by facsimile (with receipt confirmed by telephone), courier, personally delivered (including overnight delivery service) or mailed, postage prepaid, to the representative of the other Party designated in accordance with this Article. Any such notice, demand, or request shall be deemed to be given (i) when sent by facsimile confirmed by telephone, (ii) when actually received if delivered by courier or personal delivery (including overnight delivery service) or (iii) seven (7) days after deposit in the United States mail, if sent by first class mail return receipt requested.

Notices and other communications by Seller to the Buyer shall be addressed to:

Mr. Robert S. Furino
Vice President
Unitil Energy Systems, Inc.
6 Liberty Lane West
Hampton, NH 03842
(603) 773-6452 (phone)
(603) 773-6652 (fax)

and

Notices concerning Article 7 shall also be sent to:

Mr. David Chong
Treasurer
Unitil Energy Systems, Inc.
6 Liberty Lane West
Hampton, NH 03842
(603) 773-6612 (phone)
(603) 773-6812 (fax)

Notices and other communications by the Buyer to Seller shall be addressed to:

[Name]
[Company]
[Address]
[City, State & Zip]
[Phone]
[FAX]

Any Party may change its representative or address for notices by written notice to the other Party; however such notice shall not be effective until it is received by the other Party.

Section 8.2 Authority of Representative

The Parties' representatives shall have full authority to act for their respective Party in all matters relating to the performance of this Agreement. Notwithstanding the foregoing, a Party's representative shall not have the authority to amend, modify, or waive any provision of this Agreement unless they are duly authorized officers of their respective entities and such amendment, modification or waiver is made in accordance to Article 17.

ARTICLE 9. LIABILITY; INDEMNIFICATION; RELATIONSHIP OF PARTIES

Section 9.1 Limitation on Consequential, Incidental and Indirect Damages

EXCEPT AS EXPRESSLY PROVIDED IN THIS AGREEMENT, TO THE FULLEST EXTENT PERMISSIBLE BY LAW, NEITHER THE BUYER NOR SELLER, NOR THEIR RESPECTIVE OFFICERS, DIRECTORS, AGENTS, EMPLOYEES, PARENT OR

AFFILIATES, SUCCESSOR OR ASSIGNS, OR THEIR RESPECTIVE OFFICERS, DIRECTORS, AGENTS, OR EMPLOYEES, SUCCESSORS, OR ASSIGNS, SHALL BE LIABLE TO THE OTHER PARTY OR ITS PARENT, SUBSIDIARIES, AFFILIATES, OFFICERS, DIRECTORS, AGENTS, EMPLOYEES, SUCCESSORS OR ASSIGNS, FOR CLAIMS, SUITS, ACTIONS OR CAUSES OF ACTION FOR INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES (INCLUDING ATTORNEY'S FEES OR LITIGATION COSTS EXCEPT AS EXPRESSLY PROVIDED IN 15.2) CONNECTED WITH OR RESULTING FROM PERFORMANCE OR NON-PERFORMANCE OF THIS AGREEMENT, OR ANY ACTIONS UNDERTAKEN IN CONNECTION WITH OR RELATED TO THIS AGREEMENT, INCLUDING ANY SUCH DAMAGES WHICH ARE BASED UPON CAUSES OF ACTION FOR BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE AND MISREPRESENTATION), BREACH OF WARRANTY, STRICT LIABILITY, STATUTE, OPERATION OF LAW, OR ANY OTHER THEORY OF RECOVERY. THE PROVISIONS OF THIS SECTION SHALL APPLY REGARDLESS OF FAULT AND SHALL SURVIVE TERMINATION, CANCELLATION, SUSPENSION, COMPLETION OR EXPIRATION OF THIS AGREEMENT.

Section 9.2 Indemnification

(a) Seller agrees to defend, indemnify and save the Buyer, its officers, directors, employees, agents, successors assigns, and Affiliates and their officers, directors, employees and agents harmless from and against any and all third-party claims, suits, actions or causes of action and any resulting losses, damages, charges, costs or expenses, (including reasonable attorneys' fees and court costs), arising from or in connection with any (a) breach of a representation or warranty or failure to perform any covenant or agreement in this Agreement by Seller, (b) any violation of applicable law, regulation or order by Seller, (c) any act or omission by Seller with respect to this Agreement, first arising, occurring or existing during the term of this Agreement, whether incurred by settlement or otherwise, and whether such claims or actions are threatened or filed prior to or after the termination of this Agreement, except to the extent caused by an act of gross negligence or willful misconduct by an officer, director, agent, employee, or Affiliate of the Buyer or its respective successors or assigns.

(b) The Buyer agrees to defend, indemnify and save Seller, its officers, directors, employees, agents, successor, assigns, and Affiliates and their officers, directors, employees and agents harmless from and against any and all third-party claims, suits, actions or causes of action and any resulting losses, damages, charges, costs or expenses, (including reasonable attorneys' fees and court costs), arising from or in connection with any (a) breach of representation or warranty or failure to perform any covenant or agreement in this Agreement by said Buyer, (b) any violation of applicable law, regulation or order by said Buyer, (c) any act or omission by the Buyer, with respect to this Agreement first arising, occurring or existing during the term of this Agreement, whether incurred by settlement or otherwise, and whether such claims or actions are threatened or filed prior to or after the termination of this Agreement, except to the extent caused by an act of gross negligence or willful misconduct by an officer, director, agent, employee or Affiliate of Seller or its respective successors or assigns.

(c) If any Party intends to seek indemnification under this Section from the other Party with respect to any action or claim, the Party seeking indemnification shall give the other Party notice

of such claim or action within thirty (30) days of the later of the commencement of, or actual knowledge of, such claim or action; provided, however, that in the event such notice is delivered more than thirty (30) days after the Party seeking indemnification knows of such claim or action, the indemnifying Party shall be relieved of its indemnity hereunder only if and to the extent such indemnifying Party was actually prejudiced by the delay. The Party seeking indemnification shall have the right, at its sole cost and expense, to participate in the defense of any such claim or action. The Party seeking indemnification shall not compromise or settle any such claim or action without the prior consent of the other Party, which consent shall not be unreasonably withheld.

Section 9.3 Independent Contractor Status

Nothing in this Agreement shall be construed as creating any relationship between the Buyer and Seller other than that of independent contractors for the sale and delivery of Requirements for Default Service.

ARTICLE 10. ASSIGNMENT

Section 10.1 General Prohibition Against Assignments

Except as provided in Section 10.2, neither Party shall assign, pledge or otherwise transfer this Agreement or any right or obligation under this Agreement without first obtaining the other Party's written consent, which consent shall not be unreasonably withheld.

Section 10.2 Exceptions to Prohibition Against Assignments

(a) Seller may, without the Buyer's prior written consent, collaterally assign this Agreement in connection with financing arrangements provided that any such collateral assignment that provides for the Buyer to direct payments to the collateral agent (i) shall be in writing, (ii) shall not be altered or amended without prior written notice to the Buyer from both Seller and the collateral agent, and (iii) provided that any payment made by the Buyer to the collateral agent shall discharge the Buyer's obligation as fully and to the same extent as if it had been made to the Seller. Seller must provide the Buyer at least ten (10) days advance written notice of collateral assignment and provide copies of any such assignment and relevant agreements or writings.

(b) The Buyer may assign all or a portion of its rights and obligations under this Agreement to any Affiliate of the Buyer without consent of Seller.

(c) Either Party may, upon written notice to the other Party, assign its rights and obligations hereunder, or transfer such rights and obligations by operation of law, to any entity with which or into which such Party shall merge or consolidate or to which such Party shall transfer all or substantially all of its assets, provided that such other entity agrees to assume the rights and obligations hereunder and be bound by the terms hereof and provided further, that such other entity's creditworthiness is equal to or higher than that of the assignor, in which case the assignor shall be relieved of any obligation or liability hereunder as a result of such assignment.

ARTICLE 11. SUCCESSORS AND ASSIGNS

This Agreement shall inure to the benefit of and shall be binding upon the Parties hereto and their respective successors and permitted assigns.

ARTICLE 12. FORCE MAJEURE

(a) Force Majeure shall include but not be limited to acts of God, earthquakes, fires, floods, storms, strikes, labor disputes, riots, insurrections, acts of war (whether declared or otherwise), acts of governmental, regulatory or judicial bodies, but if and only to the extent that such event or circumstance (i) directly affects the availability of the transmission or distribution facilities of NEPOOL, the Buyer or an Affiliate of the Buyer necessary to provide service to the Buyer's customers which are taking service pursuant to the Retail Delivery Tariff and (ii) it is not within the reasonable control of, or the result of the negligence of, the claiming Party, and which, by the exercise of due diligence, the claiming Party is unable to overcome or avoid or cause to be avoided. Force Majeure shall not be based on (A) fluctuations in Default Service, (B) the cost to a Party to overcome or avoid, or cause to be avoided, the event or circumstance affecting such Party's performance or (C) events affecting the availability or cost of operating any generating facility.

(b) To the extent that either Party is prevented by Force Majeure from carrying out, in whole or in part, its obligations hereunder and (i) such Party gives notice and detail of the Force Majeure to the other Party as soon as practicable after the onset of the Force Majeure, including an estimate of its expected duration and the probable impact on the performance of its obligations hereunder; (ii) the suspension of performance is of no greater scope and of no longer duration than is required by the Force Majeure, and (iii) the Party claiming Force Majeure uses commercially reasonable efforts to remedy or remove the inability to perform caused by Force Majeure, then the affected Party shall be excused from the performance of its obligations prevented by Force Majeure. However, neither Party shall be required to pay for any obligation the performance of which is excused by Force Majeure. This paragraph shall not require the settlement of any strike, walkout, lockout or other labor dispute on terms which, in the sole judgment of the Party involved in the dispute are contrary to its interest. It is understood and agreed that the settlement of strikes, walkouts, lockouts or other labor disputes shall be entirely within the discretion of the Party involved in the dispute.

(c) No obligations of either Party which arose before the Force Majeure occurrence causing the suspension of performance shall be excused as a result of the Force Majeure.

(d) Prior to the resumption of performance suspended as a result of a Force Majeure occurrence, the Party claiming the Force Majeure shall give the other Party written notice of such resumption.

ARTICLE 13. WAIVERS

No delay or omission in the exercise of any right under this Agreement shall impair any such right or shall be taken, construed or considered as a waiver or relinquishment thereof, but any such right may be exercised from time to time and as often as may be deemed expedient. The waiver of any single breach or default of any term or condition of this Agreement shall not be deemed to constitute the waiver of any other prior or subsequent breach or default of the Agreement or any other term or condition.

ARTICLE 14. LAWS AND REGULATIONS

(a) This Agreement and all rights, obligations, and performances of the Parties hereunder, are subject to all applicable federal and state laws, and to all duly promulgated orders and other duly authorized action of governmental authorities having jurisdiction hereof.

(b) The rates, terms and conditions contained in this Agreement are not subject to change under Section 205 of the Federal Power Act as that section may be amended or superseded, absent the mutual written agreement of the Parties. Each Party irrevocably waives its rights, including its rights under §§ 205-206 of the Federal Power Act, unilaterally to seek or support a change in the rate(s), charges, classifications, terms or conditions of this Agreement or any other agreements entered into in connection with this Agreement. By this provision, each Party expressly waives its right to seek or support: (i) an order from FERC finding that the market-based rate(s), charges, classifications, terms or conditions agreed to by the Parties in the Agreement are unjust and unreasonable; or (ii) any refund with respect thereto. Each Party agrees not to make or support such a filing or request, and that these covenants and waivers shall be binding notwithstanding any regulatory or market changes that may occur hereafter.

(c) Absent the agreement of all Parties to a proposed change, the standard of review for changes to this Agreement proposed by a non-party or the Commission acting sua sponte shall be the "public interest" standard of review set forth in *United Gas Pipe Line Co. v. Mobile Gas Service Corp.*, 350 U.S. 332 (1956) and *Federal Power Commission v. Sierra Pacific Power Co.*, 350 U.S. 348 (1956) (the "Mobile-Sierra" doctrine).

ARTICLE 15. INTERPRETATION, DISPUTE RESOLUTION

Section 15.1 Governing Law

The Agreement shall be governed by and construed and performed in accordance with the laws of the State of New Hampshire, without giving effect to its conflict of laws principles.

Section 15.2 Dispute Resolution

All disputes between the Buyer and Seller under this Agreement shall be referred, upon notice by one Party to the other Party, to a senior manager of Seller designated by Seller, and a senior manager of the Buyer designated by the Buyer, for resolution on an informal basis as promptly as practicable. In the event the designated senior managers are unable to resolve the dispute within ten (10) days of receipt of the notice, or such other period to which the Parties may jointly agree, such dispute shall be submitted to arbitration and resolved in accordance with the

arbitration procedure set forth in this Section. The arbitration shall be conducted in Concord, New Hampshire before a single neutral arbitrator mutually agreed to and appointed by the Parties. If the Parties fail to agree upon a single arbitrator within ten (10) days of the referral of the dispute to arbitration, Seller and the Buyer shall each choose one arbitrator, who shall sit on a three-member arbitration panel. The two arbitrators so chosen shall within ten (10) days select a third arbitrator to act as chairman of the arbitration panel. In either case, the arbitrator(s) shall be knowledgeable in electric utility matters, including wholesale power transactions and power market issues, and shall not have any current or past material business or financial relationships with either Party or a witness for either Party and shall not have a direct or indirect interest in any Party or the subject matter of the arbitration. The arbitrator(s) shall afford each of the Parties an opportunity to be heard and, except as otherwise provided herein, shall generally conduct the arbitration in accordance with the then-current arbitration rules of the CPR Institute for Dispute Resolution (formerly known as the Center for Public Resources), unless otherwise mutually agreed by the Parties. There shall be no formal discovery conducted in connection with the arbitration unless otherwise mutually agreed by the Parties; provided, however, that the Parties shall exchange witness lists and copies of any exhibits that they intend to utilize in their direct presentations at any hearing before the arbitrator(s) at least ten (10) days prior to such hearing, along with any other information or documents specifically requested by the arbitrator(s) prior to the hearing. Any offer made and the details of any negotiations to resolve the dispute shall not be admissible in the arbitration or otherwise. Unless otherwise agreed, the arbitrator(s) shall render a decision within ninety (90) days of his, her or their appointment and shall notify the Parties in writing of such decision and the reasons therefore, and shall make an award apportioning the payment of the costs and expenses of arbitration among the Parties; provided, however, that each Party shall bear the costs and expenses of its own attorneys, expert witnesses and consultants unless the arbitrator(s), based upon a determination of good cause, awards attorneys fees and legal and other costs to the prevailing Party. The arbitrator(s) shall be authorized only to interpret and apply the provisions of this Agreement and shall have no power to modify or change the Agreement in any manner. The decision of the arbitrator(s) shall be final and binding upon the Parties, and judgment on the award may be entered in any court having jurisdiction, subject expressly to Section 15.3. The decision of the arbitrator(s) may be appealed solely on the grounds that the conduct of the arbitrator(s), or the decision itself, violated the standards set forth in the Federal Arbitration Act and/or the Administrative Dispute Resolution Act. Nothing in this paragraph shall impair the ability of a Party to exercise any right or remedy it has under this Agreement, including those in Article 7.

Section 15.3 Venue; Waiver of Jury Trial

Each Party hereto irrevocably (i) submits to the exclusive jurisdiction of the federal and state courts located in the State of New Hampshire; (ii) waives any objection which it may have to the laying of venue of any proceedings brought in any such court; and (iii) waives any claim that such proceedings have been brought in an inconvenient forum. EACH PARTY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY SUIT, ACTION OR PROCEEDING RELATING TO THIS AGREEMENT.

ARTICLE 16. SEVERABILITY

Any provision declared or rendered unlawful by any applicable court of law or regulatory agency or deemed unlawful because of a statutory change will not otherwise affect the remaining provisions and lawful obligations that arise under this Agreement. If any provision of this Agreement, or the application thereof to any Party or any circumstance, is invalid or unenforceable, (a) a suitable and equitable provision shall be substituted therefor in order to carry out, so far as may be valid and enforceable, the intent and purpose of such invalid or unenforceable provision, and (b) the remainder of this Agreement and the application of such provision or circumstances shall not be affected by such invalidity or unenforceability.

ARTICLE 17. MODIFICATIONS

No modification or amendment of this Agreement will be binding on any Party unless it is in writing and signed by both Parties.

ARTICLE 18. ENTIRE AGREEMENT

This Agreement, including the Appendices, the tariffs and agreements referred to herein or therein, embody the entire agreement and understanding of the Parties in respect of the transactions contemplated by this Agreement. There are no restrictions, promises, representations, warranties, covenants or undertakings, other than those expressly set forth or referred to herein or therein. It is expressly acknowledged and agreed that there are no restrictions, promises, representations, warranties, covenants or undertakings contained in any material provided or otherwise made available by the Seller or the Buyer to each other. This Agreement supersedes all prior agreements and understandings between the Parties with respect to the transactions contemplated hereby.

ARTICLE 19. COUNTERPARTS

This Agreement may be executed in any number of counterparts, and each executed counterpart shall have the same force and effect as an original instrument.

ARTICLE 20. INTERPRETATION; CONSTRUCTION

The article and section headings contained in this Agreement are solely for the purpose of reference, are not part of the agreement of the Parties and shall not in any way affect the meaning or interpretation of this Agreement. For purposes of this Agreement, the term "including" shall mean "including, without limitation". The Parties acknowledge that, each Party and its counsel have reviewed and or revised this Agreement and that any rule of construction to the effect that any ambiguities are to be resolved against the drafting Party shall not be employed in the interpretation of this Agreement, and it is the result of joint discussion and negotiation.

ARTICLE 21. REPRESENTATIONS; WARRANTIES AND COVENANTS

Each Party represents to the other Party, upon execution and continuing throughout the term of this Agreement, as follows:

(a) It is duly organized in the form of business entity set forth in the first paragraph of this Agreement, validly existing and in good standing under the laws of its state of its organization and has all requisite power and authority to carry on its business as is now being conducted, including all regulatory authorizations as necessary for it to legally perform its obligations hereunder.

(b) It has full power and authority to execute and deliver this Agreement and to consummate and perform the transactions contemplated hereby. This Agreement has been duly and validly executed and delivered by it, and, assuming that this Agreement constitutes a valid and binding agreement of the other Party, constitutes its valid and binding agreement, enforceable against it in accordance with its terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability relating to or affecting creditors' rights and to general equity principles.

(c) Such execution, delivery and performance do not violate or conflict with any law applicable to it, any provision of its constitutional documents, or the terms of any note, bond, mortgage, indenture, deed of trust, license, franchise, permit, concession, contract, lease or other instrument to which it is bound, any order or judgment of any court or other agency of government applicable to it or any of its assets or any contractual restriction binding on or affecting it or any of its assets.

(d) No declaration, filing with, notice to, or authorization, permit, consent or approval of any governmental authority is required for the execution and delivery of this Agreement by it or the performance by it of its obligations hereunder, other than such declarations, filings, registrations, notices, authorizations, permits, consents or approvals which, if not obtained or made, will not, in the aggregate, have a Material Adverse Effect.

(e) Neither the execution and delivery of this Agreement by it will nor the performance by it of its obligations under this Agreement will or does (i) conflict with or result in any breach of any provision of its Governing Documents, (ii) result in a default (or give rise to any right of termination, cancellation or acceleration) under any of the terms, conditions or provisions of any note, bond, mortgage, indenture, license, agreement or other instrument or obligation to which it or any of its subsidiaries is a party or by which it or any of its subsidiaries is bound, except for such defaults (or rights of termination, cancellation or acceleration) as to which requisite waivers or consents have been obtained or which, in the aggregate, would not have a Material Adverse Effect; or (iii) violate any order, writ, injunction, decree, statute, rule or regulation applicable to it, which violation would have a Material Adverse Effect.

(f) There are no claims, actions, proceedings or investigations pending or, to its knowledge, threatened against or relating to it before any governmental authority acting in an adjudicative capacity relating to the transactions contemplated hereby that could have a Material Adverse Effect. It is not subject to any outstanding judgment, rule, order, writ, injunction or decree of any court or governmental authority which, individually or in the aggregate, would create a Material Adverse Effect.

(g) There are no bankruptcy, insolvency, reorganization, receivership or other similar proceedings pending or being contemplated by it, or of its knowledge threatened against it.

(h) It is a signatory to the Market Participant Service Agreement and is in compliance with all ISO Rules, including the ISO Financial Assurance Policy.

(i) It is acting for its own account, has made its own independent decision to enter into this Agreement and as to whether this Agreement is appropriate or proper for it based upon its own judgment, is not relying upon the advice or recommendations of the other Party hereto, and is capable of assessing the merits of and understanding, and understands and accepts, the terms, conditions and risks of this Agreement.

ARTICLE 22. CONSENTS AND APPROVALS

The Parties shall cooperate so that each Party may take such actions as necessary and required for the other Party to effectuate and comply with this Agreement including to (i) promptly prepare and file all necessary documentation, (ii) effect all necessary applications, notices, petitions and filings and execute all agreements and documents, and (iii) use all commercially reasonable efforts to obtain all necessary consents, approvals and authorizations of all other entities, in the case of each of the foregoing clauses (i), (ii) and (iii), necessary or advisable to consummate the transactions contemplated by this Agreement. The Buyer shall have the right to review and approve in advance all characterizations of the information relating to the transactions contemplated by this Agreement which appear in any filing, press release or public announcement made in connection with the transactions contemplated hereby.

ARTICLE 23. CONFIDENTIALITY

Seller acknowledges that Seller's identity will be publicly disclosed in the NHPUC order approving or denying the Buyer's inclusion in retail rates of the amounts payable by Buyer to Seller under this Agreement as described in Section 3.8. Neither Seller nor the Buyer shall provide copies of this Agreement or disclose the contents thereof (the "Confidential Terms") to any third party without the prior written consent of the other Party; provided, however, that either Party may provide a copy of the Confidential Terms, in whole or in part to (1) any regulatory agency requesting and/or requiring such Confidential Terms, provided that any such disclosure must include a request for confidential treatment of the Confidential Terms, and (2) an Affiliate if related to the Party's performance of its obligations hereunder, provided that such Affiliate agrees to treat the Confidential Terms as confidential in accordance with this clause.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives to execute this Agreement on their behalf as of the date first above written.

UNITIL ENERGY SYSTEMS, INC.

BY:

Robert S. Furino
Vice President

[COMPANY]

BY: _____

Its _____

APPENDIX A

Service Requirements Matrix

By Service Requirement, Load Asset Name and ID, Load Responsibility,
and Applicable Period

[List All Active Transactions]

For service pursuant to Buyer's RFP issued on **August 30, 2016**

Service Requirement	Load Asset Name and ID	Load Responsibility	Schedule 1	Schedule 2
UES Small Default Load	Small Customer Group, 11451	100%	December 1, 2016	May 31, 2017
UES Medium Default Load	Medium Customer Group, 11452	100%	December 1, 2016	May 31, 2017
UES Large Customer Group	UES Large Default Load, 10019	100%	December 1, 2016	May 31, 2017

APPENDIX B
Monthly Contract Rate by Service Requirement
Dollars per MWh

For service pursuant to Buyer's RFP issued on **August 30, 2016**

Service Requirement	Dec.-16	Jan.-17	Feb.-17	Mar.-17	Apr.-17	May-17
100% UES Small Customer Group (6 months)						

Service Requirement	Dec.-16	Jan.-17	Feb.-17	Mar.-17	Apr.-17	May-17
100% UES Medium Customer Group (6 months)						

<i>The following are Fixed Monthly Adders.</i> <i>Please refer to Section 5.1 for calculation of Contract Rate</i>						
Service Requirement	Dec.-16	Jan.-17	Feb.-17	Mar.-17	Apr.-17	May-17
100% UES Large Customer Group (6 months)						

APPENDIX C

POINTS OF INTERCONNECTION, REFERRED TO AS DELIVERY POINT

<u>Points of Interconnection</u>	<u>Nominal Delivery Voltage</u>	<u>Metering Point</u>	<u>Nominal Metering Voltage</u>
Garvins	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Concord Steam	3 ϕ , 4 wire, 7.9/13.8 kV	At Connection Point	3 ϕ , 4 wire, 7.9/13.8 kV
New Hampshire Hydro			
Lower Penacook	3 ϕ , 4 wire, 19.9/34.5 kV	At Connection Point	3 ϕ , 4 wire, 19.9/34.5 kV
Falls (1)			
Upper	3 ϕ , 4 wire, 19.9/34.5 kV	At Connection Point	3 ϕ , 4 wire, 19.9/34.5 kV
Penacook Falls (1)			
Briar Hydro (1)	3 ϕ , 4 wire, 19.9/34.5 kV	At Connection Point	3 ϕ , 4 wire, 19.9/34.5 kV
SES Concord Company L.P. (1)	3 ϕ , 4 wire, 19.9/34.5 kV	At Connection Point	3 ϕ , 4 wire, 19.9/34.5 kV
Hollis (Plains)	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Penacook	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Danville	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Guinea Road	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Kingston	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Timber Swamp	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV
Great Bay	3 ϕ , 4 wire, 19.9/34.5 kV	At Delivery Point	3 ϕ , 4 wire, 19.9/34.5 kV

(1) Small power producer purchase delivery points.

Appendix B1: Power Sales Agreement Amendment

See file named “App_B1_UES_PSA_Amendment_2016-08.doc”

AMENDMENT No. [X]
OF
POWER SALES AGREEMENT

This Amendment No. [X] (“Amendment No. [X]”), dated and effective as of September 28, 2016 (the “Effective Date”), amends the Power Sales Agreement, dated [Date] (the “Agreement”) between UNITIL ENERGY SYSTEMS, INC. (“Buyer”) and [Company Name] (“Seller”) (collectively, the “Parties”).

Notwithstanding Article 21(d) of the Agreement or anything else to the contrary in either this Amendment No. [X] or the Agreement, the Parties’ obligations under this Amendment No. [X] are subject to Buyer obtaining approval from the NHPUC of the inclusion in retail rates of the amounts payable by Buyer to Seller under this Amendment No. [X], without material modification to the obligations of either Party under this Amendment No. [X]. Buyer shall use its best efforts to obtain prompt approval of such rates. If Buyer is unable to obtain NHPUC approval by October 7, 2016, Buyer and Seller agree to review the status of such approval process and determine whether to continue to pursue the transaction contemplated in this Amendment No. [X]. If the Parties cannot agree as to how to continue such transaction, this Amendment No. [X] shall terminate and be null and void without liability to either Party.

Buyer shall bear the cost of the NHPUC filing described above except for any costs associated with Seller’s intervention. Buyer shall request that the NHPUC give confidential treatment to the terms of this Amendment No. [X], which is the result of a competitive solicitation held by Buyer.

The Parties hereby agree to further amend the Agreement as follows:

1. Appendix A is amended as attached hereto. The amendment adds a new section reflecting the results of the RFP issued by Buyer on August 30, 2016.
2. Appendix B is amended as attached hereto. The amendment adds pricing associated with the results of the RFP issued by Buyer on August 30, 2016.
3. Appendix B indicates that the prices listed for the Large Customer Group are Fixed Monthly Adders, therefore the Contract Rate will be calculated as the sum of the Average Weighted RT LMP and the Fixed Monthly Adder as shown in Equation 1. The Average Weighted RT LMP is calculated in accordance with Equation 2.

Equation 1

$$\text{Contract Rate} = \text{Average Weighted RT LMP} + \text{Fixed Monthly Adder}$$

The Average Weighted RT LMP shall be calculated using the MWH of Delivered Energy reported for the Large Customer Group default service load asset, Load

Amendment No. [X], dated September 28, 2016
to Power Sales Agreement dated mmmm, dd, yyyy

Asset number 10019, and the hourly real time locational marginal prices ("RT LMP") for the settlement location of Load Asset 10019, which is currently the New Hampshire Load Zone (4002). The Average Weighted RT LMP equals the sum of the products of the RT LMP and the Delivered Energy (MWH) of Load Asset 10019 in each hour of the month of service, divided by the sum of Delivered Energy (MWH) of Load Asset 10019 for the month of service, as shown in Equation 2.

Equation 2

$$\text{Average Weighted RT LMP} = \frac{\text{Sum [hourly RT LMP * hourly Delivered Energy (MWH) of Load Asset 10019]}}{\text{Sum [hourly Delivered Energy (MWH) of Load Asset 10019]}}$$

The Large Customer Group prices listed in Appendix B are Fixed Monthly Adders requiring the Contract Rate to be calculated as described in Equation 1 and Equation 2, and the Contract Rate will be determined and affirmed by both Buyer and Seller by the third business day following the month of service. Once agreed upon, the Contract Rate for the month of service shall be final and shall not be subject to change in the event that either the New Hampshire RT LMP or the Delivered Energy (MWH) of Load Asset 10019 are subsequently revised or restated.

IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives to execute and deliver this Amendment No. [X] to the Agreement effective as of the Effective Date.

Unitil Energy Systems, Inc.

BY:

Robert S. Furino
Vice President

[Seller]

BY:

Its _____

Amendment No. [X], dated September 28, 2016
to Power Sales Agreement dated mmmm, dd, yyyy

APPENDIX A

Service Requirements Matrix

By Service Requirement, Load Asset Name and ID, Load Responsibility,
and Applicable Period

[List All Active Transactions]

For service pursuant to Buyer's RFP issued on **August 30, 2016**

Service Requirement	Load Asset Name and ID	Load Responsibility	Schedule 1	Schedule 2
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UES Medium Default Load	Medium Customer Group, 11452	100%	December 1, 2016	May 31, 2017
UES Large Customer Group	UES Large Default Load, 10019	100%	December 1, 2016	May 31, 2017

Amendment No. [X], dated September 28, 2016
to Power Sales Agreement dated mmmm, dd, yyyy

APPENDIX B
Monthly Contract Rate by Service Requirement
Dollars per MWh

For service pursuant to Buyer's RFP issued on **August 30, 2016**

Service Requirement	Dec.-16	Jan.-17	Feb.-17	Mar.-17	Apr.-17	May-17
100% UES Small Customer Group (6 months)						

Service Requirement	Dec.-16	Jan.-17	Feb.-17	Mar.-17	Apr.-17	May-17
100% UES Medium Customer Group (6 months)						

<i>The following are Fixed Monthly Adders.</i> <i>Please refer to Section 5.1 for calculation of Contract Rate</i>						
Service Requirement	Dec.-16	Jan.-17	Feb.-17	Mar.-17	Apr.-17	May-17
100% UES Large Customer Group (6 months)						

Amendment No. [X], dated September 28, 2016
to Power Sales Agreement dated mmmm, dd, yyyy

Appendix C: Mutual Confidential Non-Disclosure Agreement

See file named “App_C_UES_NDA_2016-08.doc”

MUTUAL CONFIDENTIAL NON-DISCLOSURE AGREEMENT

This MUTUAL CONFIDENTIAL NON-DISCLOSURE AGREEMENT is made as of _____, 201_ between _____ ("Company"), having a place of business at _____, and Unitil Energy Systems, Inc. ("Unitil") having a principal place of business at 6 Liberty Lane West, Hampton, NH 03842, (together "the Parties," individually "a Party"). The Parties hereby agree that disclosures of Confidential Information shall be governed by the following terms and conditions. A Party receiving Confidential Information under this Agreement is referred to as "Recipient," and a Party disclosing Information is referred to as "Discloser."

- 1. Definition of Confidential Information.** "Confidential Information" means any oral, written, graphic or machine-readable information including, but not limited to, any and all confidential and proprietary information relating to the Purpose, the Discloser, its affiliates or subsidiaries, and including all information or material that has or could have commercial value or other use in the business or the prospective business of the Discloser, disclosed by the Discloser to the Recipient in connection with this Agreement and the Purpose, whether committed to memory or embodied in writing or other tangible form. Confidential Information includes, without limitation, contracts, fees, accounts, records, customer and client information, agreements and any other incident of the Discloser's business disclosed to the Recipient, in each case provided in connection with this Agreement and Purpose. Confidential Information does not include any information which Recipient can document: (a) is known to Recipient or any of its Representatives on the non-confidential basis prior to the time of disclosure; (b) is independently developed by Recipient without use of the Confidential Information; (c) becomes known to Recipient from another source without confidentiality restriction on subsequent disclosure or use; (d) is or becomes part of the public domain through no wrongful act of Recipient; or (e) is information approved for disclosure or release by the Recipient by written authorization from the Discloser. Confidential Information does not include any source code or technical information

subject to a license that meets the requirements of the Open source Definition. The Open Source Definition is found at <http://www.opensource.org/osd.html>.

2. **Purpose for Disclosure.** The parties may only use Confidential Information for the following purposes (the “Purpose”):
 - Negotiation of potential power supply and/or renewable energy credits purchase and sales transactions (“Transactions”).
 - Negotiation of a potential base contract(s) or master agreement(s) pertaining to any Transactions (“Base Contracts”).
 - Evaluation of either Parties creditworthiness in the context of either potential or existing Transactions and/or Base Contracts.
3. **Non-Disclosure of Confidential Information.** Recipient agrees: (i) to use the same degree of care, but no less than a reasonable degree of care, to protect against the unauthorized disclosure of Discloser’s Confidential Information as it uses to protect its own Confidential Information; (ii) not to divulge any such Confidential Information or any information derived therefrom to any third person; (iii) not to make any use whatsoever at any time of such Confidential Information except as necessary in accordance with the Purpose; (iv) not to copy or reverse engineer any such Confidential Information; and (v) not to export or re-export (within the meaning of U.S. or other export control laws or regulations) any such Confidential Information or product thereof. Recipient agrees to disclose Confidential Information only to its directors, officers, employees, consultants, agents or independent contractors (its “Representatives”) with a direct need to know to effect the Purpose, and who are bound by legally enforceable obligations of confidentiality no less restrictive than the terms of this Agreement. Recipient shall not remove the proprietary notices from Confidential Information. Each Party agrees to promptly notify the other Party in writing of any misuse or misappropriation of Confidential Information of the other Party of which it becomes aware.
4. **Mandatory Disclosure.** In the event that Recipient or its Representatives is requested or required by any competent judicial, governmental or regulatory body or by legal

process or applicable regulations or laws to disclose any of the Confidential Information of Discloser, Recipient shall give prompt notice so that Discloser may seek a protective order or other appropriate relief. If such protective order is not obtained, Recipient shall disclose only that portion of the Confidential Information that its counsel advises that it is legally required to disclose.

5. **Remedies.** Recipient acknowledges and agrees that due to the unique nature of Discloser's Confidential Information, there may be no adequate remedy at law for any breach of Recipient's obligations hereunder, which breach may result in irreparable harm to the Discloser and therefore, that upon any such breach of any threat thereof, the Discloser shall be entitled to seek appropriate equitable relief in addition to whatever remedies it might have at law.
6. **Term.** The foregoing commitments of each Party shall survive any termination of the Purpose, and shall remain in effect with respect to any particular Confidential Information unless and until the Recipient can document that one of the exceptions stated in Section 1 applies, or unless mutually agreed, as evidenced by writing, to a shorter period.
7. **No Additional Agreements; No Prohibition on Agreements.** Nothing herein shall obligate either Party to disclose any Confidential Information or negotiate or enter into any agreement or relationship with the other Party. Nothing herein shall prohibit a Party from entering into any arrangement or agreement with a third party.
8. **No Warranty.** The Parties understand and agree that Confidential Information is provided "as is"; neither Party shall have any responsibility to the other based on any claim that any information furnished hereunder was incorrect, incomplete, or defective in any way. Neither Party makes any warranties, whether express, implied or statutory, regarding the sufficiency of the information disclosed for any purpose, including warranties of merchantability, fitness for a particular purpose, and non-infringement.
9. **General.** (a) Assignment. This Agreement is not assignable or transferable by either Party; any attempted assignment will be void and without effect, unless such assignment is agreed to in writing by both Parties. (b) No Other Rights. No rights,

title, license of any kind in any Confidential Information is provided hereunder, either expressly or by implication, estoppel or otherwise. (c) No Agency. This Agreement does not create any agency or partnership relationship. (d) No Waiver. No waiver of any provision of this Agreement, or a breach of this Agreement shall be effective unless it is in writing, signed by the Party waiving the provision or the breach. No waiver of a breach of this Agreement (whether express or implied) shall constitute a waiver of a subsequent breach of this Agreement. (e) Choice of Law. This Agreement will be governed by and interpreted in accordance with the laws of the State of New Hampshire, excluding its choice of laws rules. (f) Complete Agreement. This Agreement constitutes the complete agreement between the Parties on the subject matter identified herein. Any modifications to this Agreement must be made in writing and signed by both Parties.

Unitil Energy Systems, Inc.

(Company)

By:_____

By:_____

NAME (PRINT OR TYPE)

NAME (PRINT OR TYPE)

TITLE:_____

TITLE:_____

Date:_____

Date:_____

Unitil Energy Systems, Inc.
Customer Migration Report

RETAIL SALES (kWh) by CUSTOMER CLASS
Competitive Generation Sales

Month	DOMESTIC	REGULAR GENERAL	LARGE GENERAL	OUTDOOR LIGHTING	TOTAL
Aug-15	8,159,467	17,357,740	29,436,170	312,763	55,266,140
Sep-15	7,681,270	16,572,308	29,620,629	323,088	54,197,295
Oct-15	5,542,948	13,835,461	25,440,082	297,977	45,116,467
Nov-15	5,467,400	12,954,869	25,019,647	297,790	43,739,707
Dec-15	6,378,716	13,586,506	24,669,443	300,468	44,935,133
Jan-16	7,390,175	14,889,721	24,999,133	331,930	47,610,960
Feb-16	6,983,217	15,285,964	26,804,346	301,835	49,375,362
Mar-16	6,214,683	14,807,145	25,666,093	312,715	47,000,636
Apr-16	5,620,504	14,539,770	26,013,125	305,892	46,479,291
May-16	4,765,469	13,561,274	24,764,374	273,162	43,364,279
Jun-16	5,443,063	15,876,442	27,818,278	338,602	49,476,385
Jul-16	6,709,837	17,180,425	29,143,887	313,074	53,347,223
Aug-16	8,014,229	19,120,506	30,784,317	334,509	58,253,560

RETAIL SALES (kWh) by CUSTOMER CLASS
Total Sales

Month	DOMESTIC	REGULAR GENERAL	LARGE GENERAL	OUTDOOR LIGHTING	TOTAL
Aug-15	49,219,523	34,648,421	33,456,531	692,789	118,017,264
Sep-15	47,234,218	33,018,884	33,623,423	698,040	114,574,566
Oct-15	33,647,586	26,613,708	28,903,562	666,757	89,831,613
Nov-15	33,068,780	24,909,928	27,878,010	655,496	86,512,214
Dec-15	39,037,008	26,429,374	27,665,788	674,758	93,806,928
Jan-16	45,867,616	28,961,564	27,997,237	729,620	103,556,037
Feb-16	43,828,912	29,811,356	29,556,063	684,066	103,880,397
Mar-16	39,936,398	28,140,058	28,508,137	693,713	97,278,306
Apr-16	36,051,025	26,865,907	28,553,210	689,366	92,159,507
May-16	31,041,277	24,895,879	27,368,674	636,805	83,942,635
Jun-16	36,048,775	28,697,598	30,747,800	719,942	96,214,114
Jul-16	45,249,395	32,227,222	32,732,952	692,676	110,902,245
Aug-16	55,811,821	36,503,032	35,598,590	723,439	128,636,882

RETAIL SALES (kWh) by CUSTOMER CLASS
Competitive Generation Sales as a Percentage of Total Sales

Month	DOMESTIC	REGULAR GENERAL	LARGE GENERAL	OUTDOOR LIGHTING	TOTAL
Aug-15	16.6%	50.1%	88.0%	45.1%	46.8%
Sep-15	16.3%	50.2%	88.1%	46.3%	47.3%
Oct-15	16.5%	52.0%	88.0%	44.7%	50.2%
Nov-15	16.5%	52.0%	89.7%	45.4%	50.6%
Dec-15	16.3%	51.4%	89.2%	44.5%	47.9%
Jan-16	16.1%	51.4%	89.3%	45.5%	46.0%
Feb-16	15.9%	51.3%	90.7%	44.1%	47.5%
Mar-16	15.6%	52.6%	90.0%	45.1%	48.3%
Apr-16	15.6%	54.1%	91.1%	44.4%	50.4%
May-16	15.4%	54.5%	90.5%	42.9%	51.7%
Jun-16	15.1%	55.3%	90.5%	47.0%	51.4%
Jul-16	14.8%	53.3%	89.0%	45.2%	48.1%
Aug-16	14.4%	52.4%	86.5%	46.2%	45.3%

Unitil Energy Systems, Inc.
Customer Migration Report

CUSTOMER COUNT by CLASS
Customers Served by Competitive Generation

Month	DOMESTIC	REGULAR GENERAL	LARGE GENERAL	OUTDOOR LIGHTING	TOTAL
Aug-15	9,136	2,980	126	370	12,612
Sep-15	9,006	2,972	126	368	12,472
Oct-15	8,866	2,958	127	369	12,320
Nov-15	8,611	2,896	127	358	11,992
Dec-15	8,507	2,878	127	364	11,876
Jan-16	8,427	2,869	127	361	11,784
Feb-16	8,350	2,888	126	362	11,726
Mar-16	8,402	2,982	130	366	11,880
Apr-16	8,407	3,001	130	367	11,905
May-16	8,351	3,012	130	368	11,861
Jun-16	8,285	3,025	130	371	11,811
Jul-16	8,202	3,024	130	368	11,724
Aug-16	8,220	3,029	129	371	11,749

CUSTOMER COUNT by CLASS
Total Customers

Month	DOMESTIC	REGULAR GENERAL	LARGE GENERAL	OUTDOOR LIGHTING	TOTAL
Aug-15	65,590	11,038	162	1,703	78,493
Sep-15	65,545	11,039	162	1,697	78,443
Oct-15	65,353	11,025	161	1,703	78,242
Nov-15	65,256	11,019	161	1,704	78,140
Dec-15	65,237	11,018	160	1,706	78,121
Jan-16	65,259	11,021	157	1,700	78,137
Feb-16	65,331	11,028	158	1,703	78,220
Mar-16	65,468	11,031	161	1,703	78,363
Apr-16	65,694	11,072	162	1,701	78,629
May-16	65,841	11,078	163	1,694	78,776
Jun-16	65,923	11,080	162	1,694	78,859
Jul-16	66,034	11,079	161	1,696	78,970
Aug-16	66,106	11,082	160	1,684	79,032

CUSTOMER COUNT by CLASS
Percentage of Customers Served by Competitive Generation

Month	DOMESTIC	REGULAR GENERAL	LARGE GENERAL	OUTDOOR LIGHTING	TOTAL
Aug-15	13.9%	27.0%	77.8%	21.7%	16.1%
Sep-15	13.7%	26.9%	77.8%	21.7%	15.9%
Oct-15	13.6%	26.8%	78.9%	21.7%	15.7%
Nov-15	13.2%	26.3%	78.9%	21.0%	15.3%
Dec-15	13.0%	26.1%	79.4%	21.3%	15.2%
Jan-16	12.9%	26.0%	80.9%	21.2%	15.1%
Feb-16	12.8%	26.2%	79.7%	21.3%	15.0%
Mar-16	12.8%	27.0%	80.7%	21.5%	15.2%
Apr-16	12.8%	27.1%	80.2%	21.6%	15.1%
May-16	12.7%	27.2%	79.8%	21.7%	15.1%
Jun-16	12.6%	27.3%	80.2%	21.9%	15.0%
Jul-16	12.4%	27.3%	80.7%	21.7%	14.8%
Aug-16	12.4%	27.3%	80.6%	22.0%	14.9%

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
RPS Compliance Cost Estimates, Non-G1 Customers

RPS Obligation

		2	3	4	5	
Year	Month	Class I*	Class I Carve Out	Class II	Class III	Class IV
2016	Dec-16	5.6%	1.30%	0.30%	0.5%	1.5%
2017	Jan-17	6.4%	1.40%	0.30%	8.0%	1.5%
2017	Feb-17	6.4%	1.40%	0.30%	8.0%	1.5%
2017	Mar-17	6.4%	1.40%	0.30%	8.0%	1.5%
2017	Apr-17	6.4%	1.40%	0.30%	8.0%	1.5%
2017	May-17	6.4%	1.40%	0.30%	8.0%	1.5%

Market Price Assumptions

	2	3	4	5	
	Class I	Class I Carve Out	Class II	Class III	Class IV
\$	35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50
\$	35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50
\$	35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50
\$	35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50
\$	35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50
\$	35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50

Non-G1 Customer Costs

7

Non-G1 Sales (MWH)	Class I	Class I Carve Out	Class II	Class III	Class IV	RPS Cost	Cost \$/MWH
48,491	\$ 97,189	\$ 14,927	\$ 6,937	\$ 9,698	\$ 18,549	\$ 147,300	\$ 3.04
54,383	\$ 124,571	\$ 18,029	\$ 7,779	\$ 174,027	\$ 20,803	\$ 345,209	\$ 6.35
51,588	\$ 118,169	\$ 17,102	\$ 7,380	\$ 165,083	\$ 19,734	\$ 327,468	\$ 6.35
47,874	\$ 109,660	\$ 15,871	\$ 6,848	\$ 153,196	\$ 18,313	\$ 303,889	\$ 6.35
43,996	\$ 100,777	\$ 14,585	\$ 6,294	\$ 140,787	\$ 16,830	\$ 279,272	\$ 6.35
40,744	\$ 93,329	\$ 13,507	\$ 5,828	\$ 130,382	\$ 15,586	\$ 258,633	\$ 6.35

*Class I is the net requirement which is the gross requirement less the Class I Thermal Carve-Out requirement.

2016 = 6.9% - 1.3%

2017 = 7.8% - 1.4%

000161

UES Default Service RFP Issued August 30, 2016
For Loads to be Served beginning December 1, 2016
RPS Compliance Cost Estimates, G1 Customers

RPS Obligation							Market Price Assumptions					G1 Customer Costs							
		2		3	4	5	2		3	4	5	7							
Year	Month	Class I*	Class I Carve Out	Class II	Class III	Class IV	Class I	Class I Carve Out	Class II	Class III	Class IV	G1 Sales (MWH)	Class I	Class I Carve Out	Class II	Class III	Class IV	RPS Cost	Cost \$/MWH
2016	Dec-16	5.6%	1.30%	0.30%	0.5%	1.5%	\$ 35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50	2,630	\$ 5,272	\$ 810	\$ 376	\$ 526	\$ 1,006	\$ 7,990	\$ 3.04
2017	Jan-17	6.4%	1.40%	0.30%	8.0%	1.5%	\$ 35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50	2,711	\$ 6,211	\$ 899	\$ 388	\$ 8,676	\$ 1,037	\$ 17,211	\$ 6.35
2017	Feb-17	6.4%	1.40%	0.30%	8.0%	1.5%	\$ 35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50	2,875	\$ 6,585	\$ 953	\$ 411	\$ 9,200	\$ 1,100	\$ 18,249	\$ 6.35
2017	Mar-17	6.4%	1.40%	0.30%	8.0%	1.5%	\$ 35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50	2,747	\$ 6,293	\$ 911	\$ 393	\$ 8,791	\$ 1,051	\$ 17,439	\$ 6.35
2017	Apr-17	6.4%	1.40%	0.30%	8.0%	1.5%	\$ 35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50	2,767	\$ 6,337	\$ 917	\$ 396	\$ 8,854	\$ 1,058	\$ 17,562	\$ 6.35
2017	May-17	6.4%	1.40%	0.30%	8.0%	1.5%	\$ 35.79	\$ 23.68	\$ 47.68	\$ 40.00	\$ 25.50	2,692	\$ 6,166	\$ 892	\$ 385	\$ 8,614	\$ 1,030	\$ 17,088	\$ 6.35

*Class I is the net requirement which is the gross requirement less the Class I Thermal Carve-Out requirement.

2016 = 6.9% - 1.3%

2017 = 7.8% - 1.4%

000162

UES Default Service RFP Issued August 30, 2016
 For Loads to be Served beginning December 1, 2016
 Historical Pricing by Customer Group, No Longer Confidential*

	Non-G1 Purchases (MWH)	Wtd Avg Price	Change Prior Period	Change Prior Year		G1 Purchases (MWH)	Wtd Avg Price	Change Prior Period	Change Prior Year
Nov-11	60,843					5,322			
Dec-11	74,190					5,418	\$ 75.00	14.3%	12.6%
Jan-12	80,056					5,183			
Feb-12	69,325	\$ 70.77	10.0%	-1.4%		5,208			
Mar-12	69,354					5,042	\$ 60.12	-19.8%	-4.2%
Apr-12	60,219					5,289			
May-12	58,364					5,491			
Jun-12	70,874					5,610	\$ 43.47	-27.7%	-29.3%
Jul-12	70,755					6,561			
Aug-12	82,552	\$ 58.60	-17.2%	-8.9%		6,062			
Sep-12	64,543					6,165	\$ 45.51	4.7%	-30.7%
Oct-12	66,596					5,185			
Nov-12	62,700					5,309			
Dec-12	76,213					5,375	\$ 74.28	63.2%	-0.9%
Jan-13	80,170					5,144			
Feb-13	67,536	\$ 63.32	8.0%	-10.5%		5,042			
Mar-13	70,067					5,060	\$ 82.26	10.7%	36.8%
Apr-13	60,778					5,307			
May-13	58,896					5,513			
Jun-13	62,225					5,216	\$ 59.67	-27.5%	37.3%
Jul-13	78,911	\$ 60.15	-5.0%	2.6%		6,041			
Aug-13	72,526					5,348			
Sep-13	61,272					5,570	\$ 50.31	-15.7%	10.6%
Oct-13	65,724					4,890			
Nov-13	58,421					4,906			
Dec-13	66,566					6,179	\$ 116.09	130.7%	56.3%
Jan-14	68,789	\$ 83.16	38.2%	31.3%		4,448			
Feb-14	62,321					4,691			
Mar-14	59,425					4,166	\$ 123.36	6.3%	50.0%
Apr-14	53,008					4,578			
May-14	48,440					4,814			
Jun-14	63,793					4,831	\$ 52.32	-57.6%	-12.3%
Jul-14	72,584	\$ 69.60	-16.3%	15.7%		5,135			
Aug-14	73,184					4,609			
Sep-14	64,178					5,263	\$ 50.73	-3.0%	0.8%
Oct-14	52,649					4,583			
Nov-14	55,553					4,443			
Dec-14	67,622					4,828	\$ 73.07	44.0%	-37.1%
Jan-15	71,475	\$ 144.13	107.1%	73.3%		4,219			
Feb-15	59,938					3,636			
Mar-15	60,740					3,462	\$ 90.52	23.9%	-26.6%
Apr-15	53,320					3,083			
May-15	50,264					3,607			
Jun-15	59,356					3,681	\$ 44.99	-50.3%	-14.0%
Jul-15	71,821	\$ 59.41	-58.8%	-14.6%		4,147			
Aug-15	72,601					4,204			
Sep-15	57,842					4,075	\$ 57.71	28.3%	13.8%
Oct-15	53,025					3,503			
Nov-15	55,415					3,142			
Dec-15	57,319					3,144	\$ 45.99	-20.3%	-37%
Jan-16	60,002	\$ 85.81	44%	-40%		3,426			
Feb-16	57,549					3,471			
Mar-16	53,362					3,622	\$ 40.88	-11%	-55%
Apr-16	48,852					3,392			
May-16	45,952	\$ 48.62	-43%	-17%		3,514	\$ 35.88	-12%	-20%
Jun-16	48,770					3,722			

* Historical pricing shown has previously been required to be submitted to FERC under its Electronic Quarterly Reporting requirements.

