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June 11, 2019

### VIA ELECTRONIC FILING AND HAND DELIVERY

Ms. M. Lynn Jarvis Chief Clerk North Carolina Utilities Commission 4325 Mail Service Center Raleigh, North Carolina 27699-4300

Re: Duke Energy Progress, LLC's REPS Cost Recovery Rider and 2018

Compliance Report Docket No. E-2, Sub 1205

Dear Ms. Jarvis:

Enclosed for filing with the North Carolina Utilities Commission ("Commission") please find the Application of Duke Energy Progress, LLC ("DEP" or the "Company") pursuant to N.C. Gen. Stat. § 62-133.8 and Commission Rule R8-67 relating to incremental costs for compliance with the renewable energy and energy efficiency portfolio standard ("REPS") for electric utilities, together with the testimony and exhibits of Travis E. Payne and Veronica I. Williams containing the information required by Commission Rule R8-67. DEP's 2018 REPS Compliance Report, filed pursuant to N.C. Gen. Stat. § 62-133.8 and Commission Rule R8-67(c), is attached as Exhibit No. 1 to Mr. Payne's testimony in support of the Application. I will deliver fifteen (15) paper copies of the filing to the Clerk's Office by close of business on the following day.

Certain information contained in the exhibits of Ms. Williams and Mr. Payne is a trade secret, and confidential, proprietary, and commercially sensitive information. For that reason, it is being filed under seal pursuant to N.C. Gen. Stat. § 132-1.2 and should be protected from disclosure. Parties to the docket may contact the Company to obtain copies pursuant to an appropriate confidentiality agreement.

Please do not hesitate to contact me if you have any questions.

Sincerely,

Robert W. Kaylor

Robert W. Kayla

**Enclosures** 

cc: David T. Drooz

#### **CERTIFICATE OF SERVICE**

I certify that a copy of Duke Energy Progress, LLC's REPS Cost Recovery Rider and 2018 Compliance Report, in Docket No. E-2, Sub 1205, has been served by electronic mail, hand delivery, or by depositing a copy in the United States Mail, 1<sup>st</sup> Class Postage Prepaid, properly addressed to parties of record.

This the 11<sup>th</sup> day of June, 2019.

Robert W. Kaylor

Robert W. Kayla

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Raleigh, North Carolina 27609

Tel: 919-546-5250

bkaylor@rwkaylorlaw.com

North Carolina State Bar No. 6237

ATTORNEY FOR DUKE ENERGY PROGRESS, LLC

# BEFORE THE NORTH CAROLINA UTILITIES COMMISSION DOCKET NO. E-2, SUB 1205

In the Matter of:	)	
	)	
Application of Duke Energy Progress, LLC	)	APPLICATION FOR APPROVAL
for Approval of Renewable Energy and	)	OF REPS COST RECOVERY
Energy Efficiency Portfolio Standard	)	RIDER AND 2018 REPS
(REPS) Compliance Report and Cost	)	COMPLIANCE REPORT
Recovery Rider Pursuant to N.C. Gen. Stat.	)	
62-133.8 and Commission Rule R8-67	)	

Duke Energy Progress, LLC ("DEP" or the "Company"), pursuant to N.C. Gen. Stat. § 62-133.8 and Rule R8-67 of the Rules and Regulations of the North Carolina Utilities Commission ("Commission"), hereby makes this Application (1) for approval of its 2018 Renewable Energy Portfolio Standard ("REPS") Compliance Report, and (2) to implement a monthly charge to recover the incremental costs associated with compliance with the REPS. In support of this Application, the Company respectfully shows the following:

- 1. The Company is a public utility operating in the states of North Carolina and South Carolina where it is engaged in the generation, transmission, distribution, and sale of electricity for compensation. Its general offices are located at 410 South Wilmington Street, Raleigh, North Carolina, and its mailing address is Post Office Box 1551, Raleigh, North Carolina 27602.
- 2. The attorneys for the Company, to whom all communications and pleadings should be addressed, are:

Kendrick C. Fentress Associate General Counsel Duke Energy Corporation P.O. Box 1551 Raleigh, North Carolina 27602 919.546.6733 Kendrick.Fentress@duke-energy.com

Robert W. Kaylor Law Office of Robert W. Kaylor, P.A. 353 E. Six Forks Road, Suite 260 Raleigh, North Carolina 27609 919.828.5250 bkaylor@rwkaylorlaw.com

- 3. N.C. Gen. Stat. § 62-133.8 requires North Carolina's electric power suppliers to supply six (6) percent of their North Carolina retail kilowatt hours ("kWh") from "renewable resources," as that term is defined by N.C. Gen. Stat. § 62-133.8(a)(8), for calendar year 2018. Further, N.C. Gen. Stat. § 62-133.8(d) requires that the electric power suppliers also obtain 0.14 percent of their North Carolina retail kWh from solar photovoltaic or thermal solar resources in 2017. Further, N.C. Gen. Stat. § 62-133.8(e) and (f) require that the electric power suppliers also obtain their allocated share of the state-wide requirement of 0.14 percent of the total North Carolina retail kWh sold from swine waste resources and 900,000 megawatt hours ("MWh") of the total electric power sold to North Carolina retail customers from poultry waste resources, respectively, in 2017.
- 4. N.C. Gen. Stat. § 62-133.8(h) provides that the electric public utilities shall be allowed to recover the incremental costs<sup>2</sup> associated with complying with N.C.

<sup>&</sup>lt;sup>1</sup> Both the Poultry Waste and Swine Waste Set-Aside requirements established by N.C. Gen. Stat. § 62-133.8 have been modified by Commission order pursuant to N.C. Gen. Stat. § 62-133.8(i)(2), as discussed herein.

<sup>&</sup>lt;sup>2</sup> "Incremental costs" are defined as (1) all reasonable and prudent costs incurred by an electric utility to meet the solar and renewable generation requirements of the statute that are in excess of the utility's avoided costs, and (2) costs associated with research that encourages the development of renewable energy, energy efficiency, or improved air quality, provided those research costs do not exceed one million dollars (\$1,000,000) per year.

Gen. Stat. § 62-133.8 through an annual rider not to exceed the following per-account charges:

Customer Class	<u>2008-2011</u>	<u>2012-2014</u>	2015 and thereafter
Residential per account	\$ 10.00	\$ 12.00	\$ 27.00
Commercial per account	\$ 50.00	\$ 150.00	\$ 150.00
Industrial per account	\$ 500.00	\$ 1,000.00	\$1,000.00

The statute provides that the Commission shall ensure that the incremental costs to be recovered from individual customers on a per-account basis are in the same proportion as the per-account annual charges for each customer class set out in the chart above.

- 5. Rule R8-67(c) requires the Commission to conduct an annual proceeding for each electric public utility to review the utility's costs to comply with N. C. Gen. Stat. § 62-133.8 and establish the electric public utility's annual rider to recover such costs in a timely manner. The Commission shall also establish an experience modification factor ("EMF") to collect the difference between the electric public utility's actual reasonable and prudent REPS costs incurred during the test period and the actual revenues incurred during the test period. Rule R8-67(c) further provides that the Commission shall consider each electric public utility's REPS compliance report at the hearing provided for in Rule R8-67(e) and shall determine whether the electric public utility has complied with N.C. Gen. Stat. § 62-133.8(b), (d), (e) and (f).
- 6. According to Rules R8-67(c) and (e), the electric public utility is to file its application for recovery of its REPS costs, as well as its REPS compliance report, at the same time it files the information required by Rule R8-55, and the Commission is to conduct an annual rider hearing as soon as practicable after the hearing required by Rule R8-55.

- 7. Pursuant to the provisions of N.C. Gen. Stat. § 62-133.8 and Commission Rule R8-67(e), DEP requests the Commission to establish a rider to recover its reasonable and prudent forecasted REPS compliance costs to be incurred during the rate period. As provided in Rule R8-67(e), the Company requests to credit to DEP's retail customers, through the EMF, \$1,246,365 of REPS costs over-collected and other credits for the period April 1, 2018 through March 31, 2019 ("EMF Period") and collect from DEP's retail customers \$43,246,220 for REPS costs to be incurred during the rate period from December 1, 2019 through November 30, 2020 ("Billing Period"). The REPS rider and EMF will be in effect for the twelve-month period December 1, 2019 through November 30, 2020.
- 8. Pursuant to the provisions of N.C. Gen. Stat. § 62-133.8 and Rule R8-67, DEP requests Commission approval of the annual billing statements, including both the REPS monthly charge and the EMF monthly charge, for each customer class as follows:

Customer Class	REPS Monthly Charge	Monthly EMF (excl. regulatory	Total REPS Monthly Charge	Total REPS Monthly Charge
	(excl. regulatory fee)	fee)	(excl. regulatory fee)	(incl. regulatory fee)
Residential	\$ 1.39	\$ 0.04	\$ 1.43	\$ 1.43
General <sup>3</sup>	\$ 8.84	\$ (0.73)	\$ 8.11	\$ 8.12
Industrial	\$ 63.07	\$ (4.48)	\$ 58.59	\$ 58.67

The calculation of these rates is set forth in Exhibit No. 4 of the direct testimony of Veronica I. Williams filed with this Application.

9. Pursuant to Commission Rule R8-67(e)(8), DEP requests approval to defer the difference between actual reasonable and prudently incurred incremental costs and

<sup>&</sup>lt;sup>3</sup> Duke Energy Progress' General Service rate schedule generally covers the class of customers intended to be captured by the "Commercial" class included within N.C. Gen. Stat. § 62-133.8. The Company does not have a rate schedule for "Commercial" customers.

the related revenues realized under rates in effect. FERC account 182.3, "Other Regulatory Assets," will be used to defer these costs until recovered.

10. Further, pursuant to the provisions of N.C. Gen. Stat. § 62-133.8 and Commission Rule R8-67(c), the Company requests Commission approval of its 2018 REPS Compliance Report, attached as an exhibit to the direct testimony of Travis E. Payne filed in support of this Application. As described by Mr. Payne's testimony, and illustrated in DEP's 2018 REPS Compliance Report, the Company has complied with the requirements of N.C. Gen. Stat. § 62-133.8(b) and (d) for 2018. In its October 8, 2018 Order Modifying the Swine and Poultry Waste Set-Aside Requirements and Providing Other Relief, in Docket No. E-100, Sub 113, the Commission lowered the 2018 Poultry Waste Set-Aside Requirement (N.C. Gen. Stat. § 62-133.8(f)) to 300,000 MWh and delayed by one year the scheduled increases in that requirement. The Commission also lowered the Swine Waste Set-Aside Requirement for DEP, Duke Energy Carolinas, LLC and Dominion Energy North Carolina to 0.02% of prior-year retail sales, delaying the scheduled increase to 0.07% of prior-year retail sales to begin in calendar year 2019, and delaying future increases by one year.<sup>4</sup> The Company has complied with these modified Poultry Waste and Swine Waste Set-Aside Requirements.

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<sup>&</sup>lt;sup>4</sup> In its *Order Modifying the Poultry and Swine Waste Set-Aside and Granting Other Relief* issued in Docket No. E-100, Sub 113 (November 29, 2012), the Commission eliminated the Swine Waste Set-Aside Requirement for 2012 and delayed for one year the Poultry Waste Set-Aside Requirement. In its March 26, 2014, *Final Order Modifying the Poultry and Swine Waste Set-Aside Requirements and Providing Other Relief*, the Commission delayed the Swine and Poultry Waste Set-Aside Requirements for an additional year. In its November 13, 2014 *Order Modifying the Swine Waste Set-Aside Requirement and Providing Other Relief*, the Commission directed that Swine Waste Set-Aside Requirement remain at 0.07 percent for the years 2015-2016. Subsequently, in its December 1, 2015 *Order Modifying the Swine and Poultry Waste Set-Aside Requirements and Providing Other Relief*, the Commission directed that the Swine Waste Set-Aside Requirement for 2015 be delayed an additional year and that the 2015 Poultry Waste Set-Aside Requirement would be the same as the 2014 level. In its October 17, 2016 *Order Modifying the Swine and Poultry Waste Set-Aside Requirements and Providing Other Relief*, the Commission directed that the 2016

11. The information and data required to be filed under Commission Rule R8-67 is contained in the direct testimony and exhibits of witnesses Payne and Williams, which are being filed simultaneously with this Application and incorporated herein by reference.

WHEREFORE, the Company respectfully requests:

That consistent with this Application, the Commission approve the Company's 2018 REPS Compliance Report and allow the Company to implement the rate riders as set forth above.

Swine Waste Set-Aside Requirement be delayed an additional year and that the 2016 Poultry Waste Set-Aside Requirement remain at the same level as the 2015 requirement and delayed by one year the scheduled increases in that requirement. In its October 16, 2017 *Order Modifying the Swine and Poultry Waste Set-Aside Requirements and Providing Other Relief,* in Docket No. E-100, Sub 113, the Commission directed that the 2017 Swine Waste Set-Aside Requirement be delayed an additional year and that the 2017 Poultry Waste Set-Aside Requirement (N.C. Gen. Stat. § 62-133.8(f)) remain at the same level as the 2016 requirement, which the Commission had previously approved at 170,000 MWh, and delayed by one year the scheduled increases in that requirement. In its October 8, 2018 *Order Modifying the Swine and Poultry Waste Set-Aside Requirements And Providing Other Relief* in Docket No. E-100, Sub 113, the Commission modified the 2018 Swine Waste Set-Aside Requirement for electric public utilities to 0.02% and delayed by one year the scheduled increases to the requirement. The Commission also modified the 2018 Poultry Waste Set-Aside Requirement to 300,000 MWh, and delayed by one year the scheduled increases in the requirement.

Respectfully submitted, this the 11th day of June, 2019.

Robert W. Kayla.

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COUNSEL FOR DUKE ENERGY PROGRESS, LLC

### **VERIFICATION**

STATE OF NORTH CAROLINA	)	
	)	DOCKET NO. E-2, SUB 1205
COUNTY OF MECKLENBURG	)	

Veronica I. Williams, being first duly sworn, deposes and says:

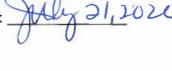
That she is Rates and Regulatory Strategy Manager for Duke Energy Carolinas, LLC; that she has read the foregoing Application for Duke Energy Progress, LLC and knows the contents thereof; that the same is true except as to those matters stated on information and belief; and as to those matters, she believes them to be true.

Veronica I. Williams

Sworn to and subscribed before me this the of day of June, 2019.

**Notary Public** 

My Commission Expires:





## BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

## DOCKET NO. E-2, SUB 1205

In the Matter of	)	
	)	
Application of Duke Energy Progress, LLC	)	
for Approval of Renewable Energy and	)	DIRECT TESTIMONY OF
Energy Efficiency Portfolio Standard (REPS)	)	TRAVIS E. PAYNE
Compliance Report and Cost Recovery Rider	)	
Pursuant to N.C. Gen. Stat. 62-133.8 and	)	
Commission Rule R8-67	)	

1 (	).	<b>PLEASE</b>	<b>STATE YOUR</b>	NAME AND	<b>BUSINESS</b>	<b>ADDRESS</b>
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- 2 A. My name is Travis E. Payne, and my business address is 410 South
- Wilmington Street, Raleigh, North Carolina.
- 4 Q. PLEASE STATE YOUR POSITION WITH DUKE ENERGY AND
- 5 DESCRIBE YOUR CURRENT RESPONSIBILITIES.
- 6 A. In my capacity as Business Development Manager III, I am responsible for
- 7 the origination and execution of wholesale and renewable energy
- 8 compliance transactions for Duke Energy Carolinas, LLC ("Duke Energy
- 9 Carolinas" or "DEC"), Duke Energy Progress, LLC ("Duke Energy
- Progress," "DEP" or "the Company") and other Duke Energy Corporation
- 11 ("Duke Energy") jurisdictions as the need arises. My responsibilities
- include projects related to compliance with the renewable energy portfolio
- standard requirements and renewable generation coordination for Duke
- Energy's Wholesale customers.
- 15 Q. PLEASE BRIEFLY SUMMARIZE YOUR EDUCATIONAL
- 16 **BACKGROUND.**
- 17 A. I received a Bachelor of Science degree in Financial Management from the
- 18 University of North Carolina at Charlotte and a Masters of Business
- 19 Administration from the University of Florida.
- 20 Q. PLEASE DESCRIBE YOUR BUSINESS BACKGROUND AND
- 21 **EXPERIENCE.**
- A. I joined Progress Energy, Inc. in 2007, where I held positions in the Fuels
- and System Operations department. Following the merger of Progress

- 1 Energy, Inc. with Duke Energy Corporation, I worked in the same
- 2 organization as a Natural Gas Trader until September of 2013, when I
- moved to the Renewables and Distributed Energy Technology organization.
- 4 Since the move, I have held roles as a Renewable Analytics Manager, the
- 5 Renewable Compliance Manager and my current position as a Business
- 6 Development Manager III.

### 7 Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE NORTH

#### 8 CAROLINA UTILITIES COMMISSION?

- 9 A. Yes, I most recently provided testimony in Docket No. E-7, Sub 1131 on
- DEC's 2016 REPS compliance report and application for approval of its
- 11 REPS cost recovery rider.

#### 12 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

- 13 A. The purpose of my testimony is to describe Duke Energy Progress'
- 14 activities and the costs it has incurred, or will incur, in support of
- 15 compliance with North Carolina's Renewable Energy and Energy
- Efficiency Portfolio Standard ("REPS") under N.C. Gen. Stat. ("G.S.") §
- 17 62-133.8 during the twelve months beginning on April 1, 2018 and ending
- on March 31, 2019 ("Test Period"), as well as during the twelve months
- beginning on December 1, 2019 and ending on November 30, 2020
- 20 ("Billing Period").

#### 21 Q. PLEASE DESCRIBE THE EXHIBITS TO YOUR TESTIMONY.

- A. My testimony includes eighteen exhibits: Payne Confidential Exhibit No. 1
- is the Company's 2018 REPS Compliance Report, and Payne Confidential

1		Exhibit No. 2 provides actual and forecasted REPS compliance costs, by
2		resource, that the Company has incurred during the Test Period and projects
3		to incur during the Billing Period in support of compliance with REPS.
4		Payne Confidential Exhibit No. 3 is a worksheet detailing the other
5		incremental costs included in this filing, listing separately labor and non-
6		labor costs, as directed by the Commission in its January 17, 2017 Order
7		Approving REPS and REPS EMF Rider and REPS Compliance Report
8		("2017 Order") in Docket No. E-2, Sub 1109 . This exhibit does not include
9		specific costs related to interconnection activities; they have been omitted
10		per the 2017 Order. Payne Exhibit Nos. 4-18 are the results of studies the
11		costs of which the Company is recovering via the REPS Rider.
12	Q.	WERE THESE EXHIBITS PREPARED BY YOU OR AT YOUR
13		DIRECTION AND UNDER YOUR SUPERVISION?
14	A.	Payne Confidential Exhibit Nos. 1-3 were prepared by me or under my
15		supervision. Payne Exhibit Nos. 4-18 include the results of studies not
16		prepared under my supervision. However, in my role at Duke Energy, I am
17		familiar with the studies.
18		Compliance with REPS Requirements
19	Q.	WHAT ARE DUKE ENERGY PROGRESS' REPS

**REQUIREMENTS UNDER G.S. § 62-133.8?** 

1	A.	Pursuant to G.S. § 62-133.8, <sup>1</sup> as an electric power supplier, Duke Energy
2		Progress is required to comply with the overall REPS requirement ("Total
3		Requirement") by submitting for retirement a total volume of renewable
4		energy certificates ("RECs") equivalent to the following percentages of its
5		North Carolina retail sales in the prior year:

- Beginning in 2012, three percent (3%);
- In 2015, six percent (6%);

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- In 2018, ten percent (10%); and
- In 2021 and thereafter, twelve point five percent (12.5%).

Furthermore, each electric power supplier must comply with the requirements of G.S. §§ 62-133.8 (d), (e), and (f) (individually referred to as the "Solar Set-Aside," "Swine Waste Set-Aside," and "Poultry Waste Set-Aside," respectively). That is, within the Total Requirement described above, each electric power supplier is to ensure that specific quantities of qualifying solar RECs, swine waste RECs, and poultry waste RECs are also submitted for retirement. The Company generally refers to its Total Requirement net of the three set-asides as its "General Requirement."

Specifically, each electric power supplier is to comply with the Solar Set-Aside by submitting for retirement a volume of qualifying solar RECs equivalent to the following percentages of its North Carolina retail sales in the prior year:

<sup>&</sup>lt;sup>1</sup> In its *Order Clarifying Electric Power Suppliers' Annual REPS Requirements*, Docket No. E-100, Sub 113 (November 26, 2008), the Commission clarified that the calculation of these requirements for each year shall be based upon the electric utility's North Carolina retail sales for the prior year.

1 Beginning in 2010, two-hundredths of one percent (0.02%); 2 In 2012, seven-hundredths of one percent (0.07%); 3 In 2015, fourteen-hundredths of one percent (0.14%); and 4 In 2018 and thereafter, two-tenths of one percent (0.2%). 5 Each electric power supplier is also to comply with the Swine Waste 6 Set-Aside by submitting for retirement a volume of qualifying swine waste 7 RECs equivalent to its pro-rata share of total retail electric power sold in 8 North Carolina multiplied by the statewide, aggregate swine waste set-aside requirement.<sup>2</sup> 9 Duke Energy Progress' Swine Waste Set-Aside requirements, as modified by the Commission,<sup>3</sup> are as follows: 10 11 In 2018, its pro-rata share of two-hundredths of one percent (0.02%) 12 of the total retail electric power sold in North Carolina in the year 13 prior;

In 2019, its pro-rata share of seven-hundredths of one percent

(0.07%) of the total retail electric power sold in North Carolina in

the year prior;

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<sup>&</sup>lt;sup>2</sup> In its Order on Pro Rata Allocation of Aggregate Swine and Poultry Waste Set-Aside Requirements and Motion for Clarification in Docket No. E-100, Sub 113 (March 31, 2010), the Commission approved the electric power suppliers' proposed pro-rata allocation of the statewide aggregate swine and poultry waste set-aside requirements, such that the aggregate requirements will be allocated among the electric power suppliers based on the ratio of each electric power supplier's prior year retail sales to the total statewide retail sales.

<sup>&</sup>lt;sup>3</sup> In its *Order Modifying the Swine and Poultry Waste Set-Aside Requirements And Providing Other Relief* (October 8, 2018), Docket No. E-100, Sub 113, the Commission modified the 2018 Swine Waste Set-Aside Requirement for electric public utilities to 0.02% and delayed by one year the scheduled increases to the requirement. The Commission also modified the 2018 Poultry Waste Set-Aside requirement to 300,000 MWh, and delayed by one year the scheduled increases in the requirement.

1		- In 2021, its pro-rata share of fourteen-numberedus of one percent
2		(0.14%) of total retail electric power sold in North Carolina in the
3		year prior; and
4		■ In 2024 and thereafter, its pro-rata share of two-tenths of one percent
5		(0.2%) of total retail electric power sold in North Carolina in the
6		year prior.
7		Finally, each electric power supplier is also to submit for retirement
8		a volume of qualifying poultry waste RECs equivalent to its pro-rata share
9		of the aggregate state-wide poultry waste set-aside requirement. Duke
10		Energy Progress' Poultry Waste Set-Aside requirements, as modified by the
11		Commission, are as follows:
12		■ Beginning in 2014, its pro-rata share of 170,000 megawatt-hours
13		("MWh");
14		■ In 2018, its pro-rata share of 300,000 MWh;
15		■ In 2019, its pro-rata share of 700,000 MWh; and
16		■ In 2020 and thereafter, its pro-rata share of 900,000 MWh.
17		The requirements that are described in this testimony and
18		accompanying exhibits reflect the aggregation of the REPS requirements of
19		Duke Energy Progress' retail customers.
20	Q.	PLEASE DISCUSS DUKE ENERGY PROGRESS' REPS
21		REQUIREMENTS FOR THE TEST AND BILLING PERIODS.
22	A.	For the Test Period, the Company submitted for retirement 3,665,412 RECs,
23		which included 8,789 Senate Bill 886 ("SB 886") RECs, each of which

counts for two poultry waste and one general REC, to meet its Total
Requirement of 3,682,990 RECs. Within this total, the Company submitted
for retirement 73,660 RECs to meet the Solar Set-Aside requirement,
66,987 RECs, along with 8,789 SB 886 RECs (which count as 17,578
Poultry Waste Set-Aside RECs), to meet the Poultry Waste Set-Aside
requirement of 84,565 RECS, and 7,366 RECs to meet the Swine Waste
Set-Aside Requirement. During the prospective Billing Period, which
spans two calendar years, with different requirements in each year, the
Company's estimated requirements are as follows <sup>4</sup> :

In 2019, the Company estimates that it will be required to submit for retirement 3,868,727 RECs to meet its Total Requirement. Within this total, the Company is also required to retire the following: 77,375 solar RECs, 27,082 swine waste RECs and 197,319 poultry waste RECs.

In 2020, the Company estimates that it will be required to submit for retirement 3,796,477 RECs to meet its Total Requirement. Within this total, the Company estimates that it will be required to retire approximately 75,930 solar RECs, 26,576 swine waste RECs and 253,695 poultry waste RECs.

# Q. HAS THE COMPANY COMPLIED WITH ITS GENERAL REQUIREMENT FOR 2018?

A. Yes, the Company has met its 2018 General Requirement of 3,517,399 RECs. Specifically, the RECs to be used for 2018 compliance have been

<sup>&</sup>lt;sup>4</sup> The Company's projected requirements are based upon retail sales estimates and will be subject to change based upon actual prior year North Carolina retail sales data.

1	transferred from the North Carolina Renewable Energy Tracking System
2	("NC-RETS") Progress Energy Electric Power Supplier account to the
3	Progress Energy Compliance Sub-Account. Upon completion of this
4	regulatory proceeding, the Commission will finalize retirement of the
5	RECs.

# 6 Q. WILL THE COMPANY COMPLY WITH ITS GENERAL REPS

### 7 **REQUIREMENT IN 2019?**

- 8 A. Yes, the Company is well positioned to comply with its General REPS
   9 Requirements in 2019.
- 10 Q. WHAT ACTIONS HAS THE COMPANY TAKEN DURING THE

### 11 TEST PERIOD TO SATISFY ITS CURRENT AND FUTURE REPS

### 12 **REQUIREMENTS?**

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A.

During the Test Period, Duke Energy Progress has continued to produce and procure RECs to satisfy its REPS requirements. Specifically, the Company has taken the following actions: (1) executed and continued negotiations for additional REC purchase agreements with renewable facilities; (2) solicited renewable energy proposals of various types; (3) continued operations of its solar facilities; (4) continued to fully utilize energy savings generated by its energy efficiency programs, that can be counted towards the Company's REPS requirement; (5) performed research studies, both directly and through strategic partnerships, to enhance the Company's ability to comply with its future REPS requirements; (6) obtained approval from the Commission on a method by which to calculate

- the RECs generated from net metering facilities and track these RECs for use in meeting the Company's REPS requirements; and (7) issued a Request for Proposals as part of the Competitive Procurement of Renewable Energy ("CPRE") Program of North Carolina House Bill 589 ("NC HB 589"), the RECs from which will be used to meet the Company's future REPS requirements.
- Q. IS THE COMPANY ABLE TO USE RECS GENERATED FROM

  NET METERING FACILITIES TO SATISFY ITS FUTURE REPS
  - Yes. Under the current Net Metering for Renewable Energy Facilities Rider offered by DEP (Rider NM-4B), a customer receiving electric service under a schedule other than a time-of-use schedule with demand rates ("NMNTD customer") shall provide any RECs to DEP at no cost. Per the Commission's June 5, 2018 *Order Approving Rider and Granting Waiver Request* ("NMNTD Order") in Docket Nos. E-2, Sub 1106 and E-7, Sub 1113, for NMNTD customers, DEP may use the PVWatts<sup>TM</sup> Solar Calculator developed by the National Renewable Energy Laboratory for estimating the generation from NMNTD customers' solar facilities, as permitted by Commission Rule R8-67(g)(2). Commission Rule R8-67(g)(2) allows the use of a scalable conversion factor for estimating annual generation from program participants. DEP shall then report the total amount of electricity produced by facilities under the Rider directly into NC-RETS in a separately identified generation project. DEP has complied with these requirements

**REQUIREMENTS?** 

A.

4	Q.	ARE THERE OTHER COMPLIANCE REQUIREMENTS IN THE
3		use for future compliance requirements.
2		from these facilities are currently in DEP's REC inventory and available for
1		and reported generation from NMNTD customers to NC-RETS. The RECs

# 4 Q. ARE THERE OTHER COMPLIANCE REQUIREMENTS IN THE 5 NMNTD ORDER WITH WHICH DEP MUST COMPLY?

Yes. The NMNTD Order also requires that DEP shall provide NC-RETS on a monthly basis with a list of participating customers, including location and the kW capacity of their installations, to be made available on the NC-RETS website. DEP has complied, and continues to comply, with this requirement. In addition, the NMNTD Order requires that for two years, DEP shall verify through site visits to a statistically significant number of participating residences that the solar installations covered by this Rider continue to be operating, and shall include the findings of its site visits in its annual REPS compliance filing. DEP hired a third-party contractor to perform the required site visits which were completed in late May 2019. Therefore, the results of these visits will be reported in the Company's 2019 compliance filing to be made in 2020.

# Q. HOW WILL THE CPRE PROGRAM OF NC HB 589 IMPACT DEP'S COMPLIANCE WITH ITS GENERAL REQUIREMENT?

Under G.S. § 62-110.8(a), DEC and DEP (the "Companies") are responsible for procuring renewable energy and capacity through a competitive procurement program with the purpose of adding renewable energy to the state's generation portfolio in a manner that allows DEC and DEP to

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continue to reliably and cost-effectively serve their customers' future energy needs. To meet the CPRE Program requirements, the Companies must issue requests for proposals to procure energy and capacity from renewable energy facilities in the aggregate amount of 2,660 MW (subject to adjustment in certain circumstances) reasonably allocated over a term of 45 months beginning on February 21, 2018, when the Commission approved the CPRE Program.

Renewable energy facilities eligible to participate in the CPRE solicitation(s) include those facilities that use renewable energy resources identified in G.S. § 62-133.8(a)(8), the REPS statute. The renewable energy facilities to be developed or acquired by the Companies or procured from a third party through a power purchase agreement under the CPRE Program, must also deliver to the Companies the environmental and renewable attributes, or RECs, associated with the power. The Company's annual CPRE Program Plan, filed on September 1, 2018 in Docket No. E-100, Sub 157, includes a planned allocation of ~1,460 to ~1,960 MWs between the DEC and DEP service territories, as well as a planned timeline for each solicitation. Additional details regarding DEP's CPRE compliance activities for the current Test Period are being filed concurrently with this REPS filing and may be reviewed in Docket No. E-2, Sub 1208. DEP plans to use the RECs acquired through the CPRE RFP solicitations for its future REPS compliance requirements and has therefore included the planned MW allocation and timeline in its REPS compliance planning process. In the

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Public Staff's May 20, 2019 testimony in the DEC REPS cost recovery proceeding, Docket No. E-7, Sub 1191, witness Evan D. Lawrence stated that CPRE costs cannot be recovered through REPS proceedings. In rebuttal testimony filed on May 30, 2019, I disagreed with that position but stated that the issue did not need to be decided at that time as there were no CPRE costs in the DEC filing. Similarly in this proceeding, and as noted in Megan W. Jennings' direct testimony in last year's annual REPS cost recovery proceeding in Docket No. E-2, Sub 1175, the Company intends to recover the reasonable and prudent costs incurred to implement the CPRE Program through the CPRE Rider as contemplated under Commission Rule R8-71(j). However, absent recovery of any such costs to implement the CPRE program in future CPRE proceedings, the Company would propose to recover the costs in a future REPS proceeding as an incremental cost of procuring RECs to meet its REPS compliance requirement. There are no CPRE program implementation costs in this current REPS proceeding, so the issue again requires no immediate decision to complete the review and approval of the currently proposed REPS rider.

# Q. HAS THE COMPANY COMPLIED WITH ITS SOLAR SET-ASIDE REQUIREMENT FOR 2018?

A. Yes, the Company has met the 2018 Solar Set-Aside requirement of 73,660 solar RECs. Pursuant to the NC-RETS Operating Procedures, the Company has submitted for retirement 73,660 solar RECs. Specifically, the RECs to be used for 2018 compliance have been transferred from the NC-RETS

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1		Progress Energy Electric Power Supplier account to the Progress Energy
2		Compliance Sub-Account. Upon completion of this regulatory proceeding,
3		the Commission will finalize retirement of the RECs.
4	Q.	WILL THE COMPANY COMPLY WITH ITS SOLAR SET-ASIDE
5		REQUIREMENT IN 2019?
6	A.	Yes, the Company is well positioned to comply with its Solar Set-Aside
7		requirement in 2019.
8	Q.	PLEASE PROVIDE AN UPDATE ON THE COMPANY'S EFFORTS
9		TO COMPLY WITH ITS SOLAR SET-ASIDE REQUIREMENT.
10	A.	The Company is well positioned to comply with its Solar Set-Aside
11		Requirement in 2019 through a diverse and balanced portfolio of solar
12		resources. The Company's efforts to comply with the Solar Set-Aside
13		Requirement include REC generation and procurement from solar
14		renewable energy facilities.
15		The Company continues to operate the following Company-owned
16		solar facilities, the RECs from which are used for REPS compliance:
17		• Camp Lejeune Solar Facility – 13MW, located in Onslow County;
18		• Warsaw Solar Facility – 65MW, located in Duplin County;
19		• Fayetteville Solar Facility – 23MW, located in Bladen County; and
20		• Elm City Solar Facility – 40MW, located in Wilson County.
21	Q.	HAS THE COMPANY COMPLIED WITH ITS POULTRY WASTE
22		SET-ASIDE REQUIREMENT FOR 2018?

- 1 Yes, the Company has met the 2018 Poultry Waste requirement of 84,565 A. 2 RECs. Pursuant to NC-RETS Operating Procedures, the Company has 3 submitted for retirement 66,987 poultry RECs and 8,789 SB 886 RECs 4 (which count as 17,578 Poultry Waste Set-Aside RECs). Accordingly, the 5 Company has submitted the equivalent of 84,565 poultry RECs for 6 compliance. Specifically, the RECs to be used for 2018 compliance have 7 been transferred from the NC-RETS Progress Energy Electric Power 8 Supplier account to the Progress Energy Compliance Sub-Account. Upon 9 completion of this regulatory proceeding, the Commission will finalize 10 retirement of the RECs.
- 11 Q. WILL THE COMPANY COMPLY WITH ITS POULTRY WASTE
  12 SET-ASIDE REQUIREMENT IN 2019?
  - A. The Company is in a position to comply with its poultry waste set-aside requirement in 2019, though future compliance is dependent on the performance of poultry waste-to-energy developers on current contracts and new facilities that are scheduled to come online, including one that is expected to come online in 2019. Ramping up to meet the increased compliance targets for 2019 2020 has been problematic because suppliers have either delayed projects or lowered the volume of RECs to be produced, and other facilities have undergone extended outages to perform repairs.
- Q. WHAT ACTIONS HAS THE COMPANY TAKEN DURING THE
  TEST PERIOD TO PROCURE OR DEVELOP POULTRY WASTE-

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#### TO-ENERGY RESOURCES TO SATISFY ITS POULTRY WASTE

### SET-ASIDE REQUIREMENTS?

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In the Test Period, the Company (1) continued direct negotiations for additional supplies of both in-state and out-of-state resources with multiple counterparties; (2) secured contracts for additional poultry waste-to-energy resources; (3) worked diligently to understand the technological, permitting, and operational risks associated with various methods of producing qualifying poultry RECs to aid developers in overcoming those risks; when those risks could not be overcome, the Company worked with developers via contract amendments to adjust for more realistic outcomes; (4) explored leveraging current biomass contracts by working with developers to add poultry waste to their fuel mix; (5) explored adding thermal capabilities to current poultry sites to bolster REC production; (6) explored poultryderived directed biogas at facilities located in North Carolina and directed such biogas to combined cycle plants for combustion and electric generation; (7) utilized the Company's REC trader to search the broker market for out-of-state poultry RECs available in the market; and (8) participated in the North Carolina Energy Policy Council Biogas Working Group. Additional information on the Company's compliance with the Poultry Waste Set-Aside requirement can be found in the Company's Joint Semiannual Progress Report, filed on June 3, 2019 in Docket No. E-100, Sub 113A.

1		The Company remains committed to satisfying its statutory
2		requirements for the Poultry Waste Set-Aside and will continue to
3		reasonably and prudently pursue procurement of these resources.
4	Q.	HAS THE COMPANY COMPLIED WITH ITS SWINE WASTE
5		SET-ASIDE REQUIREMENT FOR 2018?
6	A.	Yes. The Company has met the modified 2018 Swine Waste Set-Aside
7		Requirement of 0.02% or the equivalent of 7,366 swine RECs. Pursuant to
8		the NC-RETS Operating Procedures, the Company has submitted for
9		retirement 7,366 swine RECs. Specifically, the RECs to be used for 2018
10		compliance have been transferred from the NC-RETS Progress Energy
11		Electric Power Supplier account to the Progress Energy Compliance Sub-
12		Account. Upon completion of this regulatory proceeding, the Commission
13		will finalize retirement of the RECs.

### 14 Q. WILL THE COMPANY COMPLY WITH ITS SWINE WASTE SET-

### ASIDE REQUIREMENT IN 2019?

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Current projections indicate that DEP will not be able to comply with the swine waste set-aside in 2019, as existing contracts have not been able to reach contracted levels of production, and new contracts have not come online in the timeframe originally planned. Several swine projects are scheduled to come online over the next few years. The ability of these facilities to come online and produce their full contracted RECs will determine the levels of compliance that DEP is able to meet in the near term.

The Company understands that current swine waste-to-energy

projects have encountered difficulties in achieving the full REC output of their contracts due to issues including local opposition to siting of the facilities, the inability to secure firm and reliable sources of swine waste feedstock from waste producers in North Carolina, difficulties securing project financing and technological challenges encountered when ramping up production. In addition, after terminating two contracts for swine waste RECs in 2017 due to failure to perform, the Company was notified by another project in January 2019 that the project will not be continuing due to failure to operate.

### Q. WHAT ACTIONS HAS THE COMPANY TAKEN DURING THE

TEST PERIOD TO PROCURE OR DEVELOP SWINE WASTE-TO-

#### ENERGY RESOURCES TO MEET ITS SWINE WASTE SET-ASIDE

### **REQUIREMENTS?**

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In the Test Period, the Company (1) continued direct negotiations for additional supplies of both in-state and out-of-state resources; (2) secured contracts for additional swine waste-to-energy resources; (3) worked diligently to understand the technological, permitting, and operational risks associated with various methods of producing qualifying swine waste RECs to aid developers in overcoming those risks; when those risks could not be overcome, the Company worked with developers via contract amendments to adjust for outcomes that the developers believe are achievable based on new experience; (4) explored and is engaging in modification of current biomass and set-asides contracts by working with developers to add swine

waste to their fuel mix; (5) continued pursuit of swine-derived directed
biogas from North Carolina facilities; (6) utilized the Company's REC
trader to search the broker market for out-of-state swine RECs available in
the market; (7) participated in the North Carolina Energy Policy Council
Biogas Working Group; and (8) engaged the North Carolina Pork Council
("NCPC") in a project evaluation collaboration effort that will allow the
Company and the NCPC to discuss project viability, as appropriate, with
respect to the Company's obligations to keep certain sensitive commercial
information confidential. Additional information on the Company's
compliance with the Swine Waste Set-Aside requirement can be found in
the Company's Joint Semiannual Progress Report, filed on June 3, 2019 in
Docket No. E-100, Sub 113A.
The Company remains committed to satisfying its statutory
requirements for the Swine Waste Set-Aside and will continue to reasonably
and prudently pursue procurement of these resources.
IS DUKE ENERGY PROGRESS CONTINUING TO EXECUTE
ADDITIONAL REC PURCHASE AGREEMENTS?
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### Q.

- Yes, the Company continues to execute additional REC purchase A. agreements and maintains an open solicitation for proposals from developers of renewable energy resources.
- DID THE COMPANY SELL ANY RECS DURING THE TEST Q. PERIOD?
- A. No, it did not.

1		Costs of REPS Compliance
2	Q.	WHAT ARE THE COMPANY'S COSTS ASSOCIATED WITH REPS
3		COMPLIANCE DURING THIS TEST PERIOD AND THE
4		UPCOMING BILLING PERIOD?
5	A.	Duke Energy Progress' costs associated with REPS compliance are
6		reflected in Payne Confidential Exhibit No. 2 and are categorized by actual
7		costs incurred during the Test Period and projected costs for the Billing
8		Period.
9	Q.	IN ADDITION TO RENEWABLE ENERGY AND REC COSTS,
10		WHAT OTHER COSTS OF REPS COMPLIANCE DOES THE
11		COMPANY SEEK TO RECOVER IN THIS PROCEEDING?
12	A.	Payne Confidential Exhibit No. 2 identifies "Other Incremental Cost,"
13		"Solar Rebate Program Cost" and "Research Cost" that the Company has
14		incurred, and estimates it will incur, in association with REPS compliance.
15		Other Incremental Costs and Solar Rebate Program Costs
16	Q.	PLEASE EXPLAIN THE OTHER INCREMENTAL COSTS
17		INCLUDED FOR RECOVERY.
18	A.	Other Incremental Costs include labor costs associated with REPS
19		compliance activities and non-labor costs associated with administration of
20		REPS compliance. Among the non-labor costs associated with REPS
21		compliance are the Company's subscription to NC-RETS, and accounting,
22		and tracking tools related to RECs, reduced by agreed-upon liquidated
23		damages paid by sellers for failure to meet contractual milestones, and

amounts paid for administrative contractual amendments requested by sellers.

# Q. PLEASE PROVIDE INFORMATION ON THE NC HB 589 SOLAR REBATE PROGRAM.

A. As required by G.S. § 62-155(f), DEP developed a Solar Rebate Program offering reasonable incentives to residential and nonresidential customers for the installation of small customer owned or leased solar energy facilities participating in the Company's net metering tariff. The incentive is limited to 10 kilowatts alternating current ("kW AC") for residential solar installations and 100 kW AC for nonresidential solar installations. The program incentive shall be limited to 10,000 kW of installed capacity annually starting January 1, 2018 and continuing until December 31, 2022.

# Q. ARE COSTS RELATED TO THE NC HB 589 SOLAR REBATE PROGRAM INCLUDED FOR RECOVERY IN THIS FILING?

Yes. Pursuant to G.S. § 62-155(f), each public utility required to offer a solar rebate program "shall be authorized to recover all reasonable and prudent costs of incentives provided to customers and program administrative costs by amortizing the total program incentives distributed during a calendar year and administrative costs over a 20-year period, including a return component adjusted for income taxes at the utility's overall weighted average cost of capital established in its most recent general rate case, which shall be included in the costs recoverable by the public utility pursuant to G.S. § 62-133.8(h)." G.S. § 62-133.8(h) provides

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ASSOCIATED WITH THE NC HB 589 SOLAR REBATE
PLEASE PROVIDE DETAIL ON THE NON-LABOR COSTS
costs, which include labor, information technology and marketing costs.
amortization of incentives paid to customers and program administration
on Payne Confidential Exhibit No. 3, these costs include the annual
to the implementation of the NC HB 589 Solar Rebate Program. As detailed
the EMF period, and projected to be incurred in the Billing Period related
Therefore, DEP has included for recovery in this filing costs incurred during
customers, including program costs, incurred pursuant to G.S. § 62-155(f)."
for the recovery of incremental costs incurred to "provide incentives to
the REPS statute; NC HB 589 amended it by adding a provision to allow
for an electric power supplier's cost recovery and customer charges under

Q. PROGRAM.

Non-labor costs associated with the NC HB 589 Solar Rebate Program include the rebate incentives paid to customers, program marketing costs and information technology costs for the automation of program administrative tasks.

The NC HB 589 Solar Rebate Program launched on July 9, 2018. On July 26, 2018, DEP filed a notice that the 2018 annual participation limits for residential and non-residential customers under the Solar Rebate Program, exclusive of the non-profit participation set-aside, had been reached. Rebate payments were made to customers accepted into the program, upon installation of their generating system. Beginning in 2019,

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for a residential customer who obtains a rebate reservation prior to
installation, the installation must be completed no later than December 31
in the year in which the reservation was obtained. For a nonresidential
customer who obtains a rebate reservation prior to installation, the
installation must be completed no later than 365 days from the date of an
executed interconnection agreement. Therefore, rebate payments for the
2018 program year will continue into 2019, and the same principle will
apply for subsequent program years, with payments continuing into 2023
after the final program year of 2022. In accordance with the September 20,
2018 Order issued by the Commission in Docket Nos. E-2, Sub 1167, and
E-7, Sub 1166, after December 31, 2018, a reallocation was completed to
assign capacity and pay rebates to those defined as 'Affected Customers'
within the Order. This resulted in an increase in rebate payments made at
the beginning of 2019. DEP filed a notice on January 4, 2019 for residential
customers and January 8, 2019 for non-residential customers, that the 2019
annual participation limits for residential and non-residential customers
under the Solar Rebate Program, exclusive of the non-profit participation
set-aside, had been reached.

- Q. PLEASE PROVIDE DETAIL ON THE INTERNAL LABOR COSTS
   ASSOCIATED WITH THE NC HB 589 SOLAR REBATE
   PROGRAM.
- A. The labor dollars related to the NC HB 589 Solar Rebate Program included for recovery in this filing include projected costs for one Program Manager,

two Program Specialists, two complex billing staff, information technology,
and compliance, accounting and rates support. The Program Manager is
responsible for marketing, installer communications, reporting and
overseeing the Program Specialists, who are responsible for processing
applications, initiating incentive payments and handling customer inquiries.
In addition, incremental employees are needed in complex billing as the
number of net metering accounts has increased as a result of the NC HB 589
Solar Rebate Program. Information technology work is performed by both
internal employees and contractors and encompass implementation of an
electronic application process, including automation required to receive and
process solar rebate applications and payments. These employees and
contractors continue to provide support and enhancements to this platform
which ensures rebate applications are able to be accepted, tracked and
monitored. Compliance, accounting, and rates are responsible for ensuring
program costs incurred and included for recovery are valid and have
appropriate support, rebate payments made comply with the terms outlined
in the Solar Rebate Rider, and detail included in required website and
updates to the Commission is accurate.
PLEASE PROVIDE DETAIL ON THE INTERNAL LABOR COSTS
THAT ARE ASSOCIATED WITH REPS COMPLIANCE AND
SOLAR REBATE ACTIVITIES THAT ARE INCLUDED IN DEP'S

CURRENT APPLICATION FOR REPS COST RECOVERY.

Q.

1	A.	DEP charges only the incremental cost of REPS compliance and the NC HB
2		589 Solar Rebate Program to the REPS cost recovery rider. Consistent with
3		that policy and DEP's practices in previous applications for cost recovery
4		for REPS compliance, internal employees who work to comply with G.S. §
5		62-133.8 and G.S. § 62-155(f) charge only that portion of their labor to
6		REPS. The departments/functions that charged labor to REPS during the
7		Test Period are detailed in Payne Confidential Exhibit No. 3.
8	Q.	HOW DO EMPLOYEES CHARGE THEIR REPS-RELATED AND

# 9 NC HB 589 SOLAR REBATE PROGRAM-RELATED LABOR

Employees positively report their time, which means that each employee is required to submit a timesheet every two weeks in DEP's time reporting system. The hours reported for the period are split according to the accounting entered in the time reporting system for that specific employee. The division of hours is updated for the reporting period as necessary, as the nature of the employee's work changes.

To educate employees to account for their time properly, DEP annually provides instructions for charging time to REPS to affected employees and the management of the employee groups performing REPS work. Additionally, every year prior to filing for approval of the DEP REPS Compliance Report and Cost-Recovery Rider, the labor hours charged are carefully reviewed and confirmed.

**COSTS TO REPS?** 

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1	Q.	ARE THERE ANY LABOR AND NON-LABOR
2		INTERCONNECTION-RELATED COSTS INCLUDED FOR
3		RECOVERY IN THIS FILING?
4	A.	No. As directed by the Commission in the 2015 DEP REPS Compliance
5		Order, all internal interconnection-related labor costs, such as those related
6		to employees in the Distributed Energy Technology Standard PPAs and
7		Interconnection Team and the Renewables Service Center, contract labor
8		costs, such as those for temporary employees working on interconnection
9		information technology projects, and non-labor costs, such as PowerClerk
10		platform costs, have not been included for recovery in this filing.
11		Research Costs
12		With respect to Research and Development ("R&D") activities during the
13		Test Period and projected for the Billing Period, the Company has incurred
14		or projects to incur costs associated with the support of various pilot projects
15		and studies related to distributed energy technology and the Company's
16		REPS compliance.
17	Q.	THE COMMISSION'S ORDER APPROVING REPS AND REPS EMP
18		RIDERS AND 2012 REPS COMPLIANCE REQUIRES DUKE
19		ENERGY PROGRESS TO FILE WITH ITS 2018 REPS RIDER
20		APPLICATION STUDY RESULTS FOR ANY STUDIES THE
21		COSTS OF WHICH IT HAS RECOVERED VIA THE REPS RIDER.
22		IS THE COMPANY SUPPLYING SUCH STUDIES IN THIS
23		FILING?

- 1 A. Yes. The Company's R&D efforts are an integral part of its REPS
  2 compliance efforts. The following summary outlines efforts undertaken by
  3 the Company in the test period and specifies the availability of applicable
  4 study results.
  - CAPER, Smart Battery Gauge ("SBG") In 2018, the Company worked with North Carolina State University ("NC State") and Clemson University, through CAPER, on a project to develop the SBG and to validate the value proposition of the SBG by demonstrating its ability to accurately estimate the State of Charge, State of Health and the Remaining Useful Life in real-time and while the energy storage device is in use. The results of this project can be found in Payne Confidential Exhibit No. 4. This project is ongoing and is estimated to be completed in 2019.
  - Clemson University Small DG Interface Testing In 2018, the Company engaged with the eGRID laboratory located at Clemson University on a project to test and validate the function and performance of the Company's small DG interface. A description of the project background can be found in Payne Confidential Exhibit No. 5.
  - Coalition for Renewable Natural Gas The Company joined the Coalition for Renewable Natural Gas in 2017, and renewed its membership in 2018, to add a valuable resource of knowledge and public policy advocation in this growing sector of potential animal

waste supply. The Coalition for Renewable Natural Gas provides its
members with exclusive whitepapers, support on model pipeline gas
specifications and access to other members for discussions or
current and future projects.

- DER Risks to Transformers and Transmission In 2018, the Company worked with ABB and Pike Engineering on a project to evaluate the distribution energy resource interconnection impacts to the Transmission to Distribution transformers and the transmission system. The results of this project can be found in Payne Confidential Exhibit No. 6. The report contains Critical Energy Infrastructure Information as defined by the Federal Energy Regulatory Commission. As such, Exhibit 6 should be treated as strictly confidential.
- Eos Energy Storage Technology Development The Company and Eos Services started a collaborative technology development program to validate, demonstrate, and quantify the benefits of an Eos Aurora Battery System that is DC Coupled to a PV facility at the McAlpine Creek Substation 50 kW Solar Facility. The expected completion date of the project is in 2020.
- Electric Power Research Institute ("EPRI") In 2018, the Company subscribed to the following EPRI programs, the costs of which were recovered via the REPS rider: Program 174 Integration of Distributed Energy Resources. The Company participated in a

supplemental project under this program – "Evaluation of Inverter On-Board Detection Methods to Prevent Unintended Islanding." EPRI designates such study results as proprietary or as trade secrets and licenses such results to EPRI members, including Duke Energy Progress. As such, the Company may not disclose the information publicly. Non-members may access these studies for a fee. Information regarding access to this information can be found at <a href="http://www.epri.com/Pages/Default.aspx">http://www.epri.com/Pages/Default.aspx</a>.

ETO - Mitigation of Transformer High Inrush Current – In 2018, the Company started working with multiple vendors on a project to test and evaluate different options to mitigate the transformer high inrush current. Transformers are very expensive components of the electric power system. The transformers installed in the utility scale solar generating facilities are experiencing high inrush current during energization. Transformer inrush currents are short duration currents that flow into the transformer primary every time the transformer is energized. These currents are typically high magnitude (up to 20 times the nominal current), harmonic currents with some DC component. These high inrush currents can cause numerous problems on the electrical system, such as breaker tripping, voltage sags, voltage flicker, mechanical stress on the transformer windings, oscillatory torque in motors and system resonance. A detailed description of the project can be found in

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Payne Confidential Exhibit No. 7. The expected completion date of the project is by the end of 2019.

- NC State University's Future Renewable Electric Energy Delivery and Management ("FREEDM") Systems Center Duke Energy supports NC State's FREEDM Center through annual membership dues. The FREEDM partnership provides Duke Energy with the ability to influence and focus research on materials, technology, and products that will enable the utility industry to transform the electric grid into a two-way power flow system supporting distributed generation.
  - Institute for Electrical and Electronics Engineers ("IEEE") 1547
    Conformity Assessment The IEEE 1547 Conformity Assessment
    Steering Committee has been working to develop industry standard
    tools and methodologies to assure consistent and comprehensive
    compliance prior to utility grid interconnection sign off. IEEE and
    the Company share a common goal to accelerate and broaden
    industry adoption through the development and publication of welldesigned and managed conformity assessment and certification
    programs. This project was about establishment and execution of an
    IEEE 1547 Commissioning Test demonstration for solar
    installations within the eGRID laboratory located at Clemson
    University. The project formally commissioned the operation of a
    50kW inverter and established an operational test bed for more

advanced interconnection evaluation. The results of this project can be found in Payne Confidential Exhibit No. 8.

- Marshall Solar Site Algorithm In 2018, the Company continued to work with the University of North Carolina at Charlotte ("UNCC") on a project to utilize the operational data to design and implement an autonomous active and reactive power dispatch algorithm with PV farms and/or Battery Energy Storage system on any feeder considering DMS coordination. The work in 2018 was to develop a battery degradation model that can be seamlessly integrated to a stacked energy storage application controller. The methodology has been tested on a specific battery type and compared with other battery models. The Phase IV results of this project can be found in Payne Confidential Exhibit No. 9. The Company is continuing to support the next phase of this project, which will be completed in the summer of 2019.
- Mini-DVAR Project In 2016, the Company started a project to investigate a new technology manufactured by American Superconductor Corporation which makes a device called Mini-DVAR. This device can potentially be used for voltage stability/VAR support for renewable energy applications such as voltage compliance, grid reliability, efficiency, energy savings and grid integration of distributed PV. The project also included engineering design of a protection scheme with Schweitzer

Engineering Laboratories, and the procurement of switch gear from ABB. In 2017, the Company completed installation and commissioning of the mini-DVAR to verify it was fully functional. This project continued in 2018 to collect operational data and to analyze its application and benefit in Volt VAR Optimization of the distribution system. The results of this project can be found in Payne Confidential Exhibit Nos. 10-12.

NC State University – ETO – Grid-forming Battery Energy Storage System Characterization and Testing – Starting from late 2018, the Company worked with NC State on a project to install and commission a Battery Energy Storage System ("BESS") and to study the loading capabilities of the BESS operating in grid-forming mode. A BESS may need to power up a microgrid after an outage, thus supplying all the magnetizing currents to line-start machines as well as isolation transformers in the microgrid. There is a need to understand the capabilities of the state-of-the art BESS inverters to support these loads. Though simulating such behavior is feasible, experimental validation is required to guarantee that the system will operate as expected, and the BESS inverter protection will not trip. The expected completion date of the project is by the end of 2019.

NC State University – Interactions of PV Installations with
 Distribution Systems – Starting from late 2018, the Company
 worked with NC State on a project to construct a testbed and

- analysis framework for investigating how large PV penetration on a feeder affects the operation of the distribution system. The expected completion date of the project is by the end of 2019.
  - PNNL Dynamic Var Compensator ("DVC") Pilot In 2018, the Company worked with One-Cycle Control, Inc. and Pacific Northwest National Laboratory ("PNNL") on a project, which is part of DOE SunlAmp Contract: 0000-1714, to install and commission two DVC devices in the Company's distribution system, and to evaluate its performance in mitigating the voltage variability due to high penetration of distributed photovoltaic on a distribution feeder. A detailed description of the project can be found in Payne Confidential Exhibit Nos. 13-14.
  - Research Triangle Institute Biogas Utilization in North Carolina In 2018, the Company began support of the Research Triangle Institute project for the NC Energy Policy Council to determine the potential bioenergy/biogas resources available in North Carolina, and to identify the most beneficial and optimum utilization of resources to maximize economic, environmental and societal advantages. An overview of the project can be found in Payne Exhibit No. 15.
  - Rocky Mountain Institute ("RMI") The Company participates in eLab, a forum sponsored by RMI, composed of a number of North Carolina and nationally based entities, and organized to overcome

barriers to economic deployment of distributed energy resources in
the U.S. electric sector. Specifically, the Company seeks to gauge
customer desires related to distributed resources and provide ideas
of potential long-term solutions for distributed energy resources and
microgrids. Please visit RMI's website at <a href="http://www.rmi.org/elab">http://www.rmi.org/elab</a>
for more information on eLab.

- Swine Extrusion/Poultry Mortality The Animal and Poultry Waste Management Center ("APWMC") at NC State University In 2018, the Company continued support of the various projects being undertaken by the APWMC. This work is centered around drying swine lagoon solids, bagged lagoon sludge and sludge mixed with agricultural wastes at a farm-based level to create a higher MMBtu fuel that can be safely and easily transported to a central plant for combustion. A detailed description of the project along with future testing plans can be found in Payne Confidential Exhibit No. 16.
- UNCC Evaluation of DER Fault Scenarios and Mitigation
   Techniques In 2018, the Company worked with UNCC on a project to evaluate behavior of inverter-based power sources during fault conditions and make recommendations to enhance protection algorithms to standard vendors of protection and control systems.
   The results of this project can be found in Payne Confidential Exhibit No. 17.

- UNCC Hardware Cyber Security for DER Inverters In 2018, the Company worked with UNCC on a project to provide hardware assurance in an affordable manner to transition a global supply chain to producing solar inverters with trusted hardware for secure control and communications. In this work, the Company and UNCC investigated the enhancement of security of power grid converters using reconfigurable architecture and hardware-based crypto processors. The results of this project can be found in Payne Confidential Exhibit No. 18.
- Alliance for Sustainable Energy Solar Impact Analysis In 2019, the Company began initial work with the Alliance for Sustainable Energy on a project that will analyze the impacts of integrating significant amounts of new solar power into the Duke Energy power system, quantify solar potential and identify likely integration challenges or opportunities for other technologies. The project is expected to have a second phase with deliverables later in 2019 and into 2020.
- 18 Q. ARE YOU SATISFIED THAT THE ACTUAL COSTS INCURRED
  19 IN THE TEST PERIOD HAVE BEEN, AND THAT THE
  20 PROJECTED COSTS OF THE BILLING PERIOD WILL BE,
  21 PRUDENTLY INCURRED?
- A. Yes. Duke Energy Progress believes it has incurred and projects to incur these costs associated with REPS compliance in a prudent manner. The

Company continues to exercise thorough and rigorous technical and economic analysis to evaluate all options for compliance with its REPS requirements. Duke Energy Progress has developed strong foundational market knowledge related to renewable resources. The Company continues to enhance and develop expertise in this field through the Company's various solicitations for renewable energy and the operation of its unsolicited bid process, its participation in industry research, and daily interaction with developers of renewable energy facilities. As a result of these efforts, the Company has been able to identify, procure, and develop a diverse portfolio of renewable resources to meet its REPS requirements in a prudent, reasonable and cost-effective manner.

### 12 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

13 A. Yes.

### PAYNE EXHIBIT NO. 1 \*\*\*REDACTED VERSION\*\*\*

### BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1205

In the Matter of	)	
	)	DUKE ENERGY PROGRESS,
Application of Duke Energy Progress, LLC for	)	LLC 2018 RENEWABLE
Approval of Renewable Energy and Energy	)	<b>ENERGY &amp; ENERGY</b>
Efficiency Portfolio Standard Compliance Report	)	EFFICIENCY PORTFOLIO
and Rider Pursuant to N.C. Gen. Stat. § 62-133.8	)	STANDARD COMPLIANCE
and Commission Rule R8-67(c)	)	REPORT

### DUKE ENERGY PROGRESS, LLC RENEWABLE ENERGY AND ENERGY EFFICIENCY PORTFOLIO STANDARD ("REPS") COMPLIANCE REPORT

### TABLE OF CONTENTS

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(A)	INTRODUCTION	3
<b>(B)</b>	REPS COMPLIANCE REPORT	3
( <b>C</b> )	METHODOLOGY FOR DETERMINING NUMBER OF	7

### (A) INTRODUCTION

Duke Energy Progress, LLC ("Duke Energy Progress" or the "Company") submits its Renewable Energy and Energy Efficiency Portfolio Standard ("REPS") Compliance Report ("Compliance Report") in accordance with N.C. Gen. Stat. § 62-133.8 and Commission Rule R8-67(c). This Compliance Report provides the required information for the calendar year 2018.<sup>1</sup>

### (B) REPS COMPLIANCE REPORT

#### I. RENEWABLE ENERGY CERTIFICATES:

The table below reflects the renewable energy certificates ("RECs") used to comply with N.C. Gen. Stat. § 62-133.8(d) for the year 2018.

Source Certificates Costs

| Number of Certificates | Costs |

<sup>&</sup>lt;sup>1</sup> Pursuant to NCUC Rule R8-67(c)(1), this Compliance Report reflects Duke Energy Progress' efforts to meet the REPS requirements for the previous calendar year.

Source	Number of Certificates	Incremental Costs

### [END CONFIDENTIAL]

# II. ACTUAL 2018 TOTAL NORTH CAROLINA RETAIL SALES AND YEAR-END NUMBER OF ACCOUNTS, BY CUSTOMER CLASS:

	2018
NC Retail MWh Sales	38,687,268

Account Type	Duke Energy Progress Year-end number of Retail Accounts
Residential	1,210,740
General	195,967
Industrial	1,810

### III. AVOIDED COST RATES

The avoided cost rates below, applicable to energy received pursuant to power purchase agreements, represent the annualized avoided cost rates in Schedule CSP/PP (NC), Distribution Interconnection, approved in the 2016 avoided cost proceeding Docket E-100, Sub 148, the 2014 avoided cost proceeding Docket No. E-100, Sub 140; the 2012 avoided cost proceeding Docket No. E-100, Sub 136; the 2010 avoided cost proceeding Docket No. E-100, Sub 127; the 2008 avoided cost proceeding Docket No. E-100, Sub 117; and the 2006 avoided cost proceeding Docket No. E-100, Sub 106.

ANNUALIZED CAPACITY AND ENERGY RATES						
	(	CENTS P	ER KWH	)		
Docket No.:	E-100 Sub 148	E-100 Sub 140	E-100 Sub 136	E-100 Sub 127	E-100 Sub 117	E-100 Sub 106
Variable Rate	3.35	4.29	4.76	5.79	5.69	4.54
5 Year	n/a	4.42	4.97	6.18	5.82	4.67
10 Year	3.79	5.08	5.47	6.82	6.05	4.85
15 Year	n/a	5.53	5.88	7.29	6.11	4.98

## IV. ACTUAL TOTAL AND INCREMENTAL COSTS INCURRED IN 2018

Actual costs incurred in 2018 for REPS compliance were comprised of the following cost of energy purchases and the purchase of various types of RECs and other reasonable and prudent costs incurred to meet the requirements of the statute.

2018 Actual Costs Incurred			Total Costs
Total costs incurred	\$248,631,494	\$1,331,399	\$249,962,893
Avoided costs	\$215,903,397		\$215,903,397
Incremental costs	\$32,728,097	\$1,331,399	\$34,059,496

# V. ACTUAL INCREMENTAL COSTS COMPARISON TO THE ANNUAL COST CAP

Account Type	Total 2017 Year- end number of Retail Accounts	Annual Per- Account Cost Cap	Total Annual Cost Cap – 2018 Compliance Year
Residential	1,204,664	\$27	\$32,525,928
General	196,549	\$150	\$29,482,350
Industrial	1,866	\$1,000	\$1,866,000
	Total A	nnual Cost Cap	\$63,874,278
	Actual Inc	cremental Costs	\$34,059,496

### VI. STATUS OF COMPLIANCE WITH REPS REQUIREMENTS

Pursuant to N.C. Gen. Stat. § 62-133.8(b) for Duke Energy Progress Retail customers, the REPS requirement for calendar year 2018 is set at 10% of 2017 North Carolina retail sales. In order to comply with the REPS obligation for Duke Energy Progress Retail customers, the Company submitted 3,665,412 RECs, which included 8,789 Senate Bill 886 ("SB886") RECs, each of which counts for two poultry waste RECs and one general REC. Accordingly, the Company submitted the equivalent of 3,682,990 RECs for compliance, representing 10% of 2017 retail megawatthour sales of 36,829,899.

Pursuant to N.C. Gen. Stat. § 62-133.8(d), the REPS requirement for calendar year 2018 is at least 0.20% of the total electric power in kilowatt hours sold to retail electric customers in the prior calendar year in the State, or an equivalent amount of energy, shall be supplied by a combination of new solar electric facilities and new metered solar thermal energy facilities.

As a result, 73,660 solar RECs were used to meet the Solar Set-Aside Requirement. An additional 625,388 solar RECs were submitted for retirement toward compliance with the general requirement (the total REPS requirement net of solar, poultry and swine set-aside obligations).

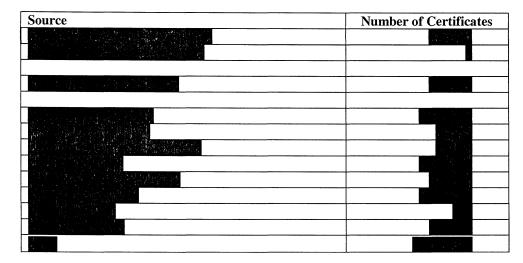
In its October 8, 2018 Order Modifying the Swine and Poultry Waste Set-Aside Requirements and Providing Other Relief ("2018 Delay Order") in Docket No. E-100, Sub 113, the Commission modified the swine waste set-aside requirement, for 2018 to 0.02% of NC retail sales, and specified that the requirement applies to electric public utilities only, not to membership cooperatives or municipalities (which were excused from the swine waste set-aside requirement for 2018). To comply with the swine waste set-aside requirement applicable to DEP's NC retail sales, the Company submitted for retirement 7,366 swine RECs.

The 2018 Delay Order also reduced the 2018 poultry waste set-aside requirement to 300,000 MWh state-wide, and set the 2019 and 2020 levels at 700,000 MWh and 900,000 MWh, respectively. In its August 5, 2016 Order Establishing 2016, 2017, and 2018 Poultry Waste Set-Aside Requirement Allocation in Docket No. E-100, Sub 113, the Commission directed the annual aggregate poultry waste set-aside requirement to be allocated among electric power suppliers and utility compliance aggregators based on the load ratio share calculations shown on the spreadsheet filed by the NC-RETS Administrator in the same docket on July 11, 2016. These percentages were applied to the 2018 state-wide requirement to determine the swine waste set-aside requirements applicable to DEP NC retail for reporting year 2018. The Company submitted for retirement 66,987 poultry waste RECs along with 8,789 SB886 RECs, which count as 17,578 poultry waste set-aside RECs. Accordingly, the Company submitted the equivalent of 84,565 poultry RECs for compliance, and met its 2018 poultry waste setaside requirement

#### VII. IDENTIFICATION OF RECS CARRIED FORWARD

The table below reflects the RECs at year-end 2018 that the Company has banked for use in future compliance years.

#### [BEGIN CONFIDENTIAL]





[END CONFIDENTIAL]

# VIII. DATES AND AMOUNTS OF ALL PAYMENTS MADE FOR RENEWABLE ENERGY CERTIFICATES

Confidential Appendix 1 illustrates the dates and amounts of all payments made for renewable energy certificates during calendar year 2018.

### (C) <u>METHODOLOGY FOR DETERMINING NUMBER OF CUSTOMERS</u> AND CUSTOMER CAP

Consistent with the Commission's order issued November 12, 2009 in Docket No. E-2, Sub 948, for purposes of REPS billing, the Company defines as a single customer all accounts (metered and unmetered) serving the same customer of the same revenue classification located on the same or contiguous properties. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge applies to the auxiliary accounts, regardless of their revenue classification.

Respectfully submitted this the 11th day of June, 2019.

Robert W. Kaylan

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Counterparty and Payment Dates		REC Cost
[BEGIN CONFIDENTIAL]		
		2.500.24
Apr-2018	\$	2,790.34
Aug-2018	\$	10,573.92
Dec-2018	<b>\$</b> <b>\$</b>	3,157.49
Feb-2019 Jan-2019	\$ \$	1,321.74 2,202.90
Jun-2018	\$	4,846.38
Mar-2019	\$	3,084.06
May-2018	\$	4,185.51
Nov-2018	\$	7,710.15
Sep-2018	\$	4,185.51
569 2010	¥	1,103.31
Apr-2018	\$	3,686.04
Aug-2018	\$	6,348.18
Dec-2018	\$	5,017.11
Feb-2019	\$	2,662.14
Jan-2019	\$	3,481.26
Jul-2018	\$	6,962.52
Mar-2019	\$	3,583.65
May-2018	\$	10,750.95
Nov-2018	\$	4,402.77
Oct-2018	\$	6,450.57
Sep-2018	\$	6,450.57
Apr-2018	\$	310.29
Aug-2018	\$	413.72
Dec-2018	\$	206.86
Feb-2019	\$	310.29
Jan-2019	\$	310.29
Jul-2018	\$	413.72
Jun-2018	\$	413.72
Mar-2019	\$	310.29
May-2018	\$	413.72
Nov-2018	\$ \$	724.01
Sep-2018	\$	413.72
Apr-2018	\$	146.86
Aug-2018	\$	146.86
Dec-2018	\$	73.43
Feb-2019	\$	73.43
Jan-2019	\$	73.43
Jul-2018	\$	146.86
Jun-2018	\$	73.43
Mar-2019	\$	73.43
May-2018	\$	73.43
Nov-2018	\$	146.86
Sep-2018	\$	73.43
Apr-2018	\$	1,165.00
Aug-2018	\$	2,190.00
Dec-2018	\$	1,325.00
Feb-2019	\$	1,165.00
Jan-2019	\$	1,200.00
Jul-2018	\$	1,905.00
Jun-2018	\$	3,860.00
Mar-2019	\$	1,520.00
Nov-2018	\$	1,300.00
Oct-2018	\$	2,215.00
Sep-2018	\$	1,895.00

Counterparty and Payment Dates		REC Cos
Apr-2018	\$	4,290.0
Aug-2018	\$	4,450.0
Dec-2018	\$	2,990.0
Feb-2019	\$	3,120.0
an-2019	\$	2,640.0
ul-2018	\$	5,040.0
un-2018	\$	4,375.0
Mar-2019	\$	2,630.0
May-2018	\$	4,730.0
Nov-2018	\$	3,990.0
Oct-2018	\$	3,435.0
Sep-2018	\$	4,810.0
Арг-2018	\$	1,532.2
Aug-2018	\$	1,730.2
Dec-2018	\$ \$	
		1,057.5
Feb-2019	\$	1,176.7
(an-2019	\$	922.5
ful-2018	\$	1,813.5
un-2018	\$	1,759.5
Mar-2019	\$	956.2
May-2018	\$	1,755.0
Nov-2018	\$	1,408.5
Oct-2018	\$	857.2
Sep-2018	\$	1,811.2
Apr-2018	\$	477.0
Aug-2018	\$	715.5
Dec-2018	\$	562.5
Feb-2019	\$	427.5
Jan-2019	\$	339.7
Jul-2018	\$	675.0
Jun-2018	\$	713.2
Mar-2019	\$	526.5
May-2018	\$	645.1
Nov-2018	\$	576.0
Oct-2018	\$	756.0
Sep-2018	\$	643.
Apr-2018	\$	4,240.6
Aug-2018	\$	8,377.
Dec-2018	\$	4,550.9
Feb-2019	\$	3,309.
an-2019	\$	3,102.
ul-2018	\$	7,136.0
un-2018	\$	8,584.0
Mar-2019	\$	4,033.
May-2018	\$	6,722.9
Nov-2018	\$ \$	11,273.
Sep-2018	\$ \$	5,895.:
A 2010		
Apr-2018	\$	1,174.
Aug-2018	\$	2,423.
Dec-2018	\$	1,395.
Feb-2019	\$	954.
Jan-2019	\$	1,101.
Jul-2018	\$	2,643.
Jun-2018	\$	2,423.
Mar-2019	\$	1,321.

Counterparty and Payment Dates		REC Cost
May-2018	\$	2,129.47
Nov-2018	\$	1,395.17
Oct-2018	\$	2,496.62
Sep-2018	\$	1,982.61
Aug-2018	\$	12,115.95
Feb-2019	\$	1,982.61
Jan-2019	\$	2,570.05
Jun-2018	\$	5,286.96
Mar-2019	\$	2,863.77
May-2018	\$	9,399.04
Nov-2018	\$	8,297.59
Oct-2018	\$	5,066.67
Apr-2018	\$	1,526.07
Aug-2018	\$	3,169.53
Dec-2018	\$	1,995.63
Feb-2019	\$	1,291.29
Jan-2019	\$	1,408.68
Jul-2018	\$	3,286.92
Jun-2018	\$	3,521.70
Mar-2019	\$	1,760.85
May-2018	\$	3,052.14
Nov-2018	\$	1,995.63
Oct-2018	\$	3,052.14
Sep-2018	\$	3,404.31
300 2010	¥	3,101.31
Apr-2018	\$	3,224.00
Aug-2018	\$	3,640.00
Dec-2018	\$	2,344.00
Feb-2019	\$	2,516.00
Jan-2019	\$	2,004.00
Jul-2018	\$	3,840.00
Jun-2018	\$	3,400.00
Mar-2019	\$	2,180.00
May-2018	\$	2,828.00
Nov-2018	\$	3,124.00
Oct-2018	\$	2,428.00
Sep-2018	\$	3,884.00
Apr-2018	\$	2,457.00
Aug-2018	<b>\$</b>	2,703.00
Dec-2018	\$	1,644.00
Feb-2019	\$	1,797.00
Jan-2019	\$	1,449.00
Jul-2018	\$	2,925.00
Jun-2018	\$	2,610.00
Mar-2019	\$	1,590.00
May-2018	\$	2,784.00
Nov-2018	\$	2,349.00
Oct-2018	\$	1,593.00
Sep-2018	\$	2,850.00
		_,000.00
Aug-2018	\$	146.86
Dec-2018	\$ \$ \$	73.43
Jan-2019	\$	73.43
Jul-2018	\$ -	73.43
Jun-2018	\$	73.43
Mar-2019	\$	73.43
May-2018	\$	146.86

Duke Energy Progress, LLC
Docket No. E-2, Sub 1205
2018 REPS Compliance Report

Redacted Version
Payne Exhibit No. 1, Appendix 1
June 11, 2019

Dates and Amounts of Payments for RECs - Calendar Year 2018

ounterparty and Payment Dates		REC Co
ov-2018	\$	73.4
ct-2018	\$	146.8
ep-2018	\$	73.4
pr-2018	\$	73.4
ug-2018	\$	146.8
ec-2018	\$	73.4
eb-2019	\$	73.4
ıl-2018	\$	146.8
ın-2018	\$	146.8
far-2019	\$	73.4
fay-2018	\$	73.4
ov-2018	\$	73.4
et-2018	\$	146.8
ep-2018	\$	73.4
pr-2018	\$	3,184.0
ug-2018	\$	3,780.0
ec-2018	\$	2,148.0
eb-2019	\$	2,376.0
nn-2019	\$	1,796.0
ıl-2018	\$	3,896.0
un-2018	\$	3,764.0
Iar-2019	\$	1,960.0
Iay-2018	\$	3,636.0
ov-2018	\$	2,964.0
oct-2018	\$	2,744.0
ep-2018	\$	3,844.0
pr-2018	\$	1,291.2
lug-2018	\$	1,475.6
Dec-2018	\$	1,106.
an-2019	\$	368.9
ul-2018	\$	1,660.
un-2018	\$	1,475.
fay-2018	\$	1,660.
ov-2018	\$	1,106.
Oct-2018	\$	1,291.
ep-2018	\$	1,475.
<u> </u>		
pr-2018	\$	234.
ug-2018	\$	469.
ec-2018	\$	234.
eb-2019	\$	234.
an-2019	\$	117.
ul-2018	\$	469.
un-2018	\$	469.
1ar-2019	\$	234.
fay-2018	\$ \$	352.
Jov-2018	\$	352.
Oct-2018	\$	234.
ep-2018	\$	352.
Apr-2018	\$	234.
Aug-2018	\$	352.
Dec-2018	\$	352.
Feb-2019	\$	117.
an-2019	\$	117.
	\$	469.
ul-2018	*	4nu

Counterparty and Payment Dates		REC Cost
Mar-2019	\$	234.78
May-2018	\$	352.17
Nov-2018	\$	586.95
Sep-2018	\$	352.17
Apr 2019	¢	
Apr-2018	\$	12 212 50
Aug-2018 Dec-2018	\$	12,212.59
Feb-2019	\$ \$	-
Jan-2019	\$	-
Jul-2018	\$	3,235.54
Jun-2018	\$	3,233.34
Mar-2019	\$	_
May-2018	\$	_
Nov-2018	\$	_
Oct-2018	\$	4,437.07
Sep-2018	\$	15,067.32
Apr-2018	\$	2,423.19
Aug-2018	\$	5,066.67
Dec-2018	\$	2,496.62
Feb-2019	\$	1,835.75
Jan-2019	\$	1,982.61
Jul-2018	\$	5,286.96
Jun-2018	\$	5,140.10
Mar-2019	\$	2,570.05
May-2018	\$	3,965.22
Nov-2018 Sep-2018	\$ \$	7,857.01 4,626.09
Sep-2018	Þ	4,020.09
Apr-2018	\$	13,748.25
Aug-2018	\$	16,266.75
Dec-2018	\$	9,642.75
Feb-2019	\$	9,608.25
Jan-2019	\$	7,400.25
Jul-2018	\$	16,629.00
Jun-2018	\$	16,008.00
Mar-2019	\$	8,573.25
May-2018	\$	15,490.50
Nov-2018	\$	12,402.75
Oct-2018	\$	12,040.50
Sep-2018	\$	14,438.25
Apr-2018	\$	3,260.00
Aug-2018	\$	3,860.00
Dec-2018	\$	2,284.00
Feb-2019	\$	2,404.00
Jan-2019	\$	1,952.00
Jul-2018	\$	3,960.00
Jun-2018	\$	3,740.00
Mar-2019	\$	2,136.00
May-2018	\$	3,828.00
Nov-2018	\$	3,136.00
Oct-2018	\$	2,864.00
Sep-2018	\$	4,032.00
		10:2::
Apr-2018	\$	104,211.16
Aug-2018	\$	109,460.64
Dec-2018	\$	110,019.52
Feb-2019	\$	117,890.52

Duke Energy Progress, LLC
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2018 REPS Compliance Report

Redacted Version
Payne Exhibit No. 1, Appendix 1
June 11, 2019

Dates and Amounts of Payments for RECs - Calendar Year 2018

Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018	\$ \$ \$	113,772.00 110,797.96 103,552.48
Jun-2018 Mar-2019	\$	
Mar-2019		103 552 49
		103,334.40
May-2018	\$	110,975.04
	\$	101,416.76
Nov-2018	\$	107,764.04
Oct-2018	\$	84,570.52
Sep-2018	\$	113,692.16
Apr-2018	\$	4,205.00
Aug-2018	\$	4,745.00
Dec-2018	\$	2,940.00
Feb-2019	\$	3,140.00
Jan-2019	\$	2,500.00
Jul-2018	\$	4,980.00
Jun-2018	\$	4,565.00
Mar-2019	\$	2,715.00
May-2018	\$	4,850.00
Nov-2018	\$	3,895.00
Oct-2018	\$	3,375.00
Sep-2018	\$	4,960.00
Apr-2018	\$	3,352.00
Aug-2018	\$	3,824.00
Dec-2018	\$	2,368.00
Feb-2019	\$	2,496.00
Jan-2019	\$	2,068.00
Jul-2018	\$	3,956.00
Jun-2018	\$	3,632.00
Mar-2019	\$	2,148.00
May-2018	\$	3,836.00
Nov-2018	\$	3,092.00
Oct-2018	\$	3,072.00
Sep-2018	\$	3,804.00
Apr-2018	\$	3,068.00
Aug-2018	\$	3,836.00
Dec-2018	\$	1,884.00
Feb-2019	\$	1,996.00
Jan-2019	\$	1,100.00
Jul-2018	\$	3,844.00
Jun-2018	\$	3,836.00
Mar-2019	\$	2,048.00
May-2018	\$	3,736.00
Nov-2018	\$	2,644.00
Oct-2018	\$	2,336.00
Sep-2018	\$	3,776.00
Apr-2018	\$	4,035.00
Aug-2018	\$	4,325.00
Dec-2018	\$	2,805.00
Feb-2019	\$	2,945.00
Jan-2019	\$	2,340.00
Jul-2018	\$	4,715.00
Jun-2018	\$	4,170.00
Mar-2019	\$	2,625.00
	\$	4,590.00
May-2018		.,5.70.00
May-2018 Nov-2018		3 750 00
May-2018 Nov-2018 Oct-2018	\$ \$	3,750.00 3,635.00

Counterparty and Payment Dates		REC Co
Apr-2018	\$	6,137.1
Aug-2018	\$	12,262.3
Dec-2018	\$	4,865.5
Feb-2019	\$	6,458.4
Jan-2019	\$	5,474.4
Jun-2018	\$	5,390.9
Mar-2019	\$	3,941.1
May-2018	\$	6,769.9
Nov-2018	\$	6,811.7
Sep-2018	\$	5,193.9
4 0010		2.044.0
Apr-2018	\$	3,044.0
Aug-2018	\$	3,632.0
Dec-2018	\$	2,236.0
Feb-2019	\$	2,360.0
an-2019	\$	1,912.0
ul-2018	\$	3,728.0 3,504.0
un-2018 Mar-2019	\$ \$	2,036.0
	\$	3,672.0
May-2018 Nov-2018	\$	2,940.0
Oct-2018	\$	2,980.
Sep-2018	\$	3,716.
ep-2018	<b>.</b>	3,710.
Apr-2018	\$	3,404.
Aug-2018	\$	3,991.
Dec-2018	\$	2,465.
Feb-2019	\$	2,582
an-2019	\$	1,995.
ul-2018	\$	4,226.
Jun-2018	\$	3,873.
Mar-2019	\$	2,113.
May-2018	\$	3,756.
Nov-2018	\$	3,404.
Oct-2018	\$	2,934.
Sep-2018	\$	4,108.
A 2010	¢	14,027.
Apr-2018 Aug-2018	\$ \$	16,709
Dec-2018	\$	9,489.
Feb-2019	\$	10,794.
fan-2019	\$	6,807.
ul-2018	\$	16,915
un-2018	\$	16,296
Mar-2019	\$	9,524
May-2018	\$	16,296
Nov-2018	\$	13,202
Oct-2018	\$	10,727
Sep-2018	\$	16,296
		2.1.2
Apr-2018	\$	2,113
Aug-2018	\$	3,639
Dec-2018	\$	2,699
Feb-2019	\$	1,408
Jan-2019	\$	2,347
Jul-2018	\$	4,108
Jun-2018	\$	3,756
Mar-2019	\$ \$	2,347
May-2018	*	3,521.

Counterparty and Payment Dates		REC Cost
Nov-2018	\$	2,699.97
Oct-2018	\$	3,991.26
Sep-2018	\$	3,639.09
Apr-2018	\$	465.75
Aug-2018	\$	873.00
Dec-2018	\$	630.00
Feb-2019	\$	380.25
Jan-2019 Jul-2018	\$ \$	504.00 877.50
Jun-2018	\$ \$	816.75
Mar-2019	\$ \$	589.50
May-2018	\$	668.25
Nov-2018	\$	562.50
Oct-2018	\$	924.75
Sep-2018	\$	742.50
569 2010		, 12.50
Apr-2018	\$	3,404.00
Aug-2018	\$	3,656.00
Dec-2018	\$	2,344.00
Feb-2019	\$	2,452.00
Jan-2019	\$	1,964.00
Jul-2018	\$	3,860.00
Jun-2018	\$	3,704.00
Mar-2019	\$	2,200.00
May-2018	\$	3,820.00
Nov-2018	\$	3,184.00
Oct-2018	\$	2,332.00
Sep-2018	\$	4,000.00
Apr-2018	\$	4,038.99
Aug-2018	\$	7,079.09
Dec-2018	\$	5,732.76
Feb-2019	\$	2,084.64
Jan-2019	\$	3,995.56
Jul-2018	\$	7,600.25
Jun-2018	\$	7,513.39
Mar-2019	\$	2,866.38
May-2018	\$	5,906.48
Nov-2018	\$	12,855.28
Sep-2018	\$	6,210.49
Apr-2018	\$	3,344.00
Aug-2018	\$	3,540.00
Dec-2018	\$	2,272.00
Feb-2019	\$	2,496.00
Jan-2019	\$	2,012.00
Jul-2018	\$	3,876.00
Jun-2018	\$	3,440.00
Mar-2019	\$	2,188.00
May-2018	\$	3,744.00
Nov-2018	\$	2,900.00
Oct-2018	\$	2,368.00
Sep-2018	\$	3,788.00
Apr-2018	<b>\$</b> \$	1,788.75
Aug-2018		1,788.75
Dec-2018	\$	1,199.25
Feb-2019	\$	1,044.00
Jan-2019	\$	749.25

Redacted Version Payne Exhibit No. 1, Appendix 1 June 11, 2019

Dates and Amounts of Payments for RECs - Calendar Year 2018

Counterparty and Payment Dates		REC Cost
Jul-2018	\$	1,989.00
Jun-2018	\$	1,836.00
Mar-2019	\$	1,129.50
May-2018	\$	1,957.50
Nov-2018	\$	1,712.25
Oct-2018	\$	900.00
Sep-2018	\$	2,063.25
Apr-2018	\$	3,870.00
Aug-2018	\$	4,560.00
Dec-2018	\$	2,780.00
Feb-2019	\$	2,820.00
Jan-2019	\$	2,175.00
Jul-2018	\$	4,835.00
Jun-2018 Mar-2019	\$ \$	4,230.00 2,535.00
May-2018	\$ \$	4,300.00
Nov-2018	\$	3,680.00
Oct-2018	\$	3,510.00
Sep-2018	\$	4,750.00
Apr-2018	\$	3,740.00
Aug-2018	\$	4,275.00
Dec-2018	\$	2,600.00
Feb-2019	\$	2,985.00
Jan-2019	\$	2,255.00
Jul-2018	\$	4,620.00
Jun-2018 Mar-2019	<b>\$</b> <b>\$</b>	4,370.00
May-2018	\$	2,505.00
Nov-2018	\$ \$	4,430.00 3,635.00
Oct-2018	\$	3,305.00
Sep-2018	\$	4,585.00
Apr-2018	\$	234.78
Aug-2018	\$	469.56
Dec-2018	\$	352.17
Feb-2019	\$	234.78
Jan-2019 Jul-2018	\$ \$	117.39 586.95
Jun-2018	\$	469.56
Mar-2019	\$	234.78
May-2018	\$	352.17
Nov-2018	\$	234.78
Oct-2018	\$	469.56
Sep-2018	\$	469.56
Apr-2018	\$	2,505.00
Aug-2018	\$	3,078.00
Dec-2018	\$	1,728.00
Feb-2019	\$	1,839.00
Jan-2019	\$	1,422.00
Jul-2018	\$	3,108.00
Jun-2018 Mar-2019	\$ \$	2,997.00 1,620.00
May-2018	\$	
May-2018 Nov-2018	\$ \$	2,880.00 2,406.00
Oct-2018	\$ \$	2,406.00
Sep-2018	\$	3,048.00
		5,010.00

Redacted Version
Payne Exhibit No. 1, Appendix 1
June 11, 2019

Dates and Amounts of Payments for RECs - Calendar Year 2018

Counterparty and Payment Dates		REC Cost
Apr-2018	\$	3,132.00
Aug-2018	\$	3,756.00
Dec-2018	\$	2,276.00
Feb-2019	\$	2,444.00
Jan-2019	\$	1,748.00
Jul-2018	\$	3,868.00
Jun-2018	\$	3,772.00
Mar-2019	\$	2,176.00
May-2018	\$	3,736.00
Nov-2018	\$	3,128.00
Oct-2018	\$	2,488.00
Sep-2018	\$	2,728.00
Apr-2018	\$	141,465.50
Aug-2018	\$	263,378.75
Dec-2018	\$	243,911.75
Feb-2019	\$	210,351.50
Jan-2019	\$	199,606.50
Jul-2018	\$	165,629.00
Jun-2018	\$	236,713.75
Mar-2019	\$	173,728.00
May-2018	\$	247,031.50
Nov-2018	\$	289,332.00
Oct-2018	\$	217,571.75
Sep-2018	\$	233,211.75
Apr 2010	6	266 222 50
Apr-2018 Aug-2018	\$ \$	266,332.50 405,315.25
Dec-2018	\$	307,840.25
Feb-2019	\$	325,183.75
Jan-2019	\$	298,012.25
Jul-2018	\$	254,273.00
Jun-2018	\$	357,828.25
Mar-2019	\$	277,057.00
May-2018	\$	348,039.25
Nov-2018	\$	426,423.75
Oct-2018	\$	202,870.75
Sep-2018	\$	364,173.00
Aug-2018 Jan-2019	\$ \$	588,534.00
Jul-2018	\$ \$	1,292,312.00 788,942.00
Jun-2018	\$ \$	755,008.00
Mar-2019	\$	767,659.50
May-2018	\$	1,095,758.00
Nov-2018	\$	1,298,140.00
Oct-2018	\$	771,270.00
Apr-2018	\$	3,108.00
Aug-2018	\$	3,832.00
Dec-2018	\$	2,032.00
Feb-2019	\$	2,160.00
Jan-2019	\$	1,316.00
Jul-2018	\$	3,904.00
Jun-2018 Mar 2010	\$ ¢	3,800.00
Mar-2019	\$	2,100.00
May-2018 Nov-2018	\$	3,744.00
Oct-2018	<b>\$</b> <b>\$</b>	2,712.00 2,496.00
Sep-2018	\$ \$	3,840.00
50p 2010	Φ	3,040.00

Counterparty and Payment Dates	REC Cost
Apr-2018	\$ 4,085.00
Aug-2018	\$ 4,525.00
Dec-2018	\$ 2,435.00
Feb-2019	\$ 2,850.00
Jan-2019	\$ 2,345.00
Jul-2018	\$ 4,875.00
Jun-2018	\$ 4,295.00
Mar-2019	\$ 2,510.00
May-2018	\$ 4,655.00
Nov-2018	\$ 3,820.00
Oct-2018	\$ 3,235.00
Sep-2018	\$ 4,605.00
Apr-2018	\$ 2,220.00
Aug-2018	\$ 2,622.00
Dec-2018	\$ 1,605.00
Feb-2019	\$ 1,770.00
Jan-2019	\$ 1,215.00
Jul-2018	\$ 2,874.00
Jun-2018	\$ 2,811.00
Mar-2019	\$ 1,536.00
May-2018	\$ 2,763.00
Nov-2018	\$ 1,884.00
Oct-2018	\$ 1,743.00
Sep-2018	\$ 2,682.00
Apr-2018	\$ 1,448.02
Aug-2018	\$ 2,896.04
Dec-2018	\$ 1,758.31
Feb-2019	\$ 1,448.02
Jul-2018	\$ 2,896.04
Jun-2018	\$ 2,482.32
May-2018	\$ 2,378.89
Nov-2018	\$ 2,172.03
Oct-2018	\$ 2,999.47
Sep-2018	\$ 2,482.32
Apr-2018	\$ 755.00
Aug-2018	\$ 25.00
Dec-2018	\$ 535.00
Feb-2019	\$ 930.00
Jan-2019	\$ 1,090.00
Jul-2018	\$ 170.00
Jun-2018	\$ 775.00
Mar-2019	\$ 745.00
May-2018	\$ 735.00
Nov-2018	\$ 10.00
Oct-2018	\$ 210.00
Sep-2018	\$ 525.00
Apr-2018	\$ 4,090.00
Aug-2018	\$ 4,070.00
Dec-2018	\$ 2,790.00
Feb-2019	\$ 2,980.00
Jan-2019	\$ 2,355.00
Jul-2018	\$ 4,405.00
Jun-2018	\$ 4,140.00
Mar-2019	\$ 2,545.00
May-2018	\$ 4,525.00

Counterparty and Payment Dates		REC Cost
Nov-2018	\$	3,230.00
Oct-2018	\$	1,460.00
Sep-2018	\$	4,475.00
Jan-2019	\$	403,650.00
Apr-2018	\$	117.39
Aug-2018	\$	352.17
Dec-2018	\$	117.39
Feb-2019	\$	117.39
Jan-2019	\$	117.39
Jul-2018	\$	352.17
Jun-2018	\$	352.17
Mar-2019	\$	234.78
May-2018	\$	234.78
Nov-2018	\$	469.56
Sep-2018	\$	352.17
Apr-2018	\$	3,440.00
Aug-2018	\$	3,810.00
Dec-2018	<b>\$</b>	2,690.00
Feb-2019	\$	2,890.00
Jan-2019	\$	2,360.00
Jul-2018	\$	4,330.00
Jun-2018	\$	3,970.00
Mar-2019	\$ \$	2,585.00 4,210.00
May-2018 Nov-2018	\$	3,115.00
Oct-2018	\$	2,755.00
Sep-2018	\$	4,245.00
Apr-2018	\$	1,827.00
Aug-2018	\$	1,901.25
Dec-2018	\$	1,289.25
Feb-2019	\$	1,406.25
Jan-2019	\$	1,149.75
Jul-2018	\$	2,036.25
Jun-2018	\$	1,824.75
Mar-2019	\$	1,176.75
May-2018	\$	2,009.25
Nov-2018	\$	1,723.50
Oct-2018	\$	1,406.25
Sep-2018	\$	1,995.75
Apr-2018	\$	607.50
Aug-2018	\$	819.00
Dec-2018	\$	589.50
Feb-2019	\$	528.75
Jan-2019 Jul-2018	\$	501.75
Jun-2018	\$ \$	814.50 852.75
Mar-2019	\$ \$	852.75 643.50
May-2018	\$	796.50
Nov-2018	\$	1,536.75
Sep-2018	\$	544.50
Apr 2019		117.00
Apr-2018 Aug-2018	\$	117.39
Aug-2018 Dec-2018	\$ \$	117.39 117.39
Feb-2019	\$ \$	117.39
	Ψ	117.33

Counterparty and Payment Dates		REC Cost
Jul-2018	\$	234.78
Jun-2018	\$	117.39
Mar-2019	\$	117.39
May-2018	\$	234.78
Nov-2018	\$	117.39
Oct-2018	\$	117.39
Sep-2018	\$	234.78
		1.100.00
Apr-2018	\$	4,100.00
Aug-2018	\$	4,265.00
Dec-2018	\$	2,755.00
Feb-2019	\$	3,095.00
Jan-2019	\$	2,460.00
Jul-2018	\$	4,485.00
Jun-2018	\$	4,120.00
Mar-2019	\$	2,515.00
May-2018	\$	4,430.00
Nov-2018	\$	3,635.00
Oct-2018	\$	3,740.00
Sep-2018	\$	4,520.00
Apr-2018	\$	-
Aug-2018	\$	-
Dec-2018	\$	-
Feb-2019	\$	-
Jan-2019	\$	-
Jul-2018	\$	-
Jun-2018	\$	-
Mar-2019	\$	-
May-2018	\$	-
Nov-2018	\$	-
Oct-2018	\$	-
Sep-2018	\$	
Apr 2010	•	3,240.00
Apr-2018	\$ \$	3,824.00
Aug-2018		2,256.00
Dec-2018	\$ \$	
Feb-2019 Jan-2019	\$ \$	2,480.00 1,916.00
Jul-2018	\$ \$	4,012.00
	\$ \$	3,824.00
Jun-2018 Mar-2019	\$ \$	2,056.00
May-2018	\$	3,716.00
Nov-2018	\$	3,056.00
Oct-2018	\$	2,788.00
Sep-2018	\$	3,900.00
Apr-2018	\$	3,245.00
Aug-2018	\$	3,800.00
Dec-2018	\$	2,215.00
Feb-2019	\$	2,435.00
Jan-2019	\$	1,960.00
Jul-2018	\$	3,720.00
Jun-2018	\$	3,695.00
Mar-2019	\$	2,025.00
May-2018	\$	3,670.00
Oct-2018	\$	1,390.00
Sep-2018	\$	3,745.00
	•	201560
Apr-2018	\$	3,915.00

Counterparty and Payment Dates		REC Cost
Aug-2018	\$	3,785.00
Dec-2018	\$	2,835.00
Feb-2019	\$	3,085.00
Jan-2019	\$	2,490.00
Jul-2018	\$	4,475.00
Jun-2018	\$	4,070.00
Mar-2019	\$	2,550.00
May-2018	\$	4,285.00
Nov-2018	\$	3,170.00
Oct-2018	\$	1,515.00
Sep-2018	\$	2,820.00
Apr-2018	\$	2,496.62
Aug-2018	\$	5,213.53
Dec-2018	\$	3,230.92
Feb-2019	\$	1,615.46
Jan-2019	\$	2,643.48
Jul-2018	\$	4,626.09
Jun-2018	\$	4,772.95
Mar-2019	\$	2,202.90
May-2018	\$	4,185.51
Nov-2018	\$	3,230.92
Oct-2018	\$	4,993.24
Sep-2018	\$	4,626.09
Apr-2018	\$	736.00
Aug-2018	\$	1,272.00
Dec-2018	\$	1,016.00
Feb-2019	\$	740.00
Jan-2019	\$	844.00
Jul-2018	\$	1,296.00
Jun-2018	\$	1,212.00
Mar-2019	\$	960.00
May-2018	\$	1,244.00
Nov-2018	\$	984.00
Oct-2018	\$	1,408.00
Sep-2018	\$	1,248.00
Apr-2018	\$	3,930.00
Aug-2018	\$	4,450.00
Dec-2018	\$	2,785.00
Feb-2019	\$	3,040.00
Jan-2019	\$	2,465.00
Jul-2018	\$	4,525.00
Jun-2018	\$	4,370.00
Mar-2019	\$	2,580.00
May-2018	\$	4,455.00
Nov-2018	\$	3,720.00
Oct-2018	\$	3,585.00
Sep-2018	\$	4,625.00
Aug-2018	\$	29,910.56
Feb-2019	\$	9,772.56
Jan-2019	\$	17,218.25
Jun-2018	\$	12,790.70
May-2018	\$	25,974.96
Nov-2018	\$	27,844.37
Sep-2018	\$	12,298.75
Apr-2018	\$	234.78
•	*	231.70

Counterparty and Payment Dates		REC Cost
Aug-2018	\$	469.56
Dec-2018	\$	234.78
Feb-2019	\$	234.78
Jan-2019	\$	117.39
Jul-2018	\$	469.56
Jun-2018	\$	469.56
Mar-2019	\$	234.78
May-2018	\$	352.17
Nov-2018	\$	586.95
Sep-2018	\$	469.56
Apr-2018	\$	3,315.13
Aug-2018	\$	4,517.32
Dec-2018	\$	3,315.13
Feb-2019	\$	2,586.81
Jan-2019	\$	2,622.96
Jul-2018	\$	3,934.44
Jun-2018	\$	5,428.07
Mar-2019	\$	3,588.13
May-2018	\$	4,845.19
Nov-2018	\$	7,868.88
Sep-2018	\$	4,335.17
Apr-2018	\$	5,869.50
Aug-2018	\$	6,808.62
Dec-2018	\$	5,634.72
Feb-2019	\$	5,634.72
Jan-2019	\$	4,108.65
Jul-2018	\$	6,573.84
Jun-2018	\$	6,573.84
Mar-2019	\$	4,108.65
May-2018	\$	7,865.13
Nov-2018	\$	5,986.89
Oct-2018	\$	5,517.33
Sep-2018	\$	6,691.23
Apr-2018	\$	1,332.00
Aug-2018	\$	1,500.75
Dec-2018	\$	933.75
Feb-2019	\$	857.25
Jan-2019	\$	83.25
Jul-2018	\$	1,568.25
Jun-2018	\$	1,503.00
Mar-2019	\$	888.75
May-2018	\$	1,586.25
Nov-2018	\$	1,251.00
Oct-2018	\$	1,163.25
Sep-2018	\$	1,552.50
Apr-2018	\$	400.50
Aug-2018	\$ \$	720.00
Dec-2018	\$	578.25
Feb-2019	\$ \$	364.50
Jan-2019	\$	452.25
Jul-2018	\$	810.00
Jun-2018	\$	675.00
Mar-2019	\$	519.75
May-2018	\$	695.25
Nov-2018	\$	515.25
Oct-2018	\$	769.50
355 2010	Ψ	707.50

Counterparty and Payment Dates		REC Cost
Sep-2018	\$	690.75
Apr-2018	\$	1,195.00
Aug-2018	\$	1,870.00
Dec-2018	\$	1,240.00
Feb-2019	\$	1,100.00
Jan-2019	<b>\$</b>	1,090.00
Jul-2018	\$	1,855.00
Jun-2018	\$	1,690.00
Mar-2019	\$	1,240.00
May-2018	\$	1,565.00
Nov-2018	\$	1,285.00
Oct-2018	\$	1,975.00
Sep-2018	\$	1,550.00
Apr-2018	\$	620.58
Aug-2018	\$	1,448.02
Feb-2019	\$	517.15
Jan-2019	\$	206.86
Jul-2018	\$	1,241.16
Jun-2018	\$	1,344.59
Mar-2019	\$	206.86
May-2018	\$	1,034.30
Nov-2018	\$	206.86
Oct-2018	\$	1,344.59
Sep-2018	\$	1,137.73
Apr-2018	\$	1,752.03
Aug-2018	\$	6,340.68
Dec-2018	\$	1,752.03
Feb-2019	\$	1,334.88
Jan-2019	\$	1,668.60
Jun-2018	\$	3,337.20
Mar-2019	\$	2,085.75
May-2018	\$	2,502.90
Nov-2018	\$	1,918.89
Oct-2018	\$	2,920.05
Sep-2018	\$	3,086.91
Aug-2018	\$	440.00
Dec-2018	\$ \$	22.50
Feb-2019	\$ \$	15.00
Jan-2019	\$	20.00
Mar-2019	\$	12.50
Nov-2018	\$	22.50
Oct-2018	\$	30.00
Apr-2018	\$	2,960.00
Aug-2018	\$	2,990.00
Dec-2018	\$	1,940.00
Feb-2019	\$	2,105.00
Jan-2019	\$	1,655.00
Jul-2018	\$	3,225.00
Jun-2018	\$	3,160.00
Mar-2019	\$	1,790.00
May-2018	\$	3,345.00
Nov-2018	\$	2,400.00
Oct-2018	\$ \$	2,015.00
Sep-2018	\$	3,270.00

Apr-2018	Counterparty and Payment Dates		REC Cost
Aug-2018         \$ 4,195.00           Feb-2019         \$ 2,930.00           Jub-2018         \$ 2,930.00           Jub-2018         \$ 4,660.00           Jub-2018         \$ 4,065.00           Jub-2019         \$ 2,000.00           May-2019         \$ 2,000.00           May-2018         \$ 4,410.00           Nov-2018         \$ 3,675.00           Oct-2018         \$ 4,110.00           App-2018         \$ 4,110.00           Aug-2019         \$ 4,220.00           Dec-2018         \$ 4,750.00           Feb-2019         \$ 2,385.00           Jub-2018         \$ 4,275.00           Feb-2019         \$ 2,385.00           Jub-2018         \$ 4,275.00           May-2019         \$ 2,385.00           Jub-2018         \$ 4,275.00           May-2019         \$ 2,410.00           May-2019         \$ 2,610.00           May-2019         \$ 3,055.00           May-2019         \$ 3,055.00           May-2018         \$ 4,955.00           App-2018         \$ 9,991.2           App-2018         \$ 9,991.2           Jub-2018         \$ 3,217           Jub-2019         \$ 3,217		\$	
Dec-2018   \$ 2,590.00     Jan-2019   \$ 2,375.00     Jan-2018   \$ 4,065.00     Jun-2018   \$ 4,065.00     Mar-2019   \$ 2,500.00     Mar-2019   \$ 2,500.00     Mar-2018   \$ 4,410.00     May-2018   \$ 3,675.00     Cot-2018   \$ 3,405.00     Apr-2018   \$ 4,415.00     Apr-2018   \$ 4,415.00     Apr-2018   \$ 4,220.00     Apr-2018   \$ 4,220.00     Dec-2018   \$ 2,750.00     Feb-2019   \$ 2,980.00     Jan-2019   \$ 2,335.00     Jun-2018   \$ 4,275.00     Jun-2018   \$ 4,275.00     Jun-2018   \$ 4,275.00     Jun-2018   \$ 4,375.00     Mar-2019   \$ 3,055.00     Apr-2018   \$ 4,705.00     Mar-2019   \$ 3,055.00     Apr-2018   \$ 4,955.00     Apr-2018   \$ 9,90.12			
Feb-2019		\$	
Jan-2019   \$ 2,375.00   Jun-2018   \$ 4,065.00   Jun-2018   \$ 4,065.00   Jun-2018   \$ 4,065.00   Jun-2018   \$ 2,500.00   May-2018   \$ 4,410.00   May-2018   \$ 3,675.00   May-2018   \$ 3,075.00   May-2018   \$ 3,075.00   May-2018   \$ 3,075.00   May-2018   \$ 3,075.00   May-2018   \$ 4,415.00   May-2018   \$ 4,220.00   May-2018   \$ 4,220.00   May-2018   \$ 4,220.00   May-2018   \$ 2,750.00   May-2019   \$ 2,335.00   May-2019   \$ 2,235.00   May-2018   \$ 4,275.00   May-2018   \$ 4,075.00   May-2018   \$ 4,075.00   May-2018   \$ 4,075.00   May-2018   \$ 4,075.00   May-2018   \$ 5,055.00   May-2018   \$ 5,055.00   May-2018   \$ 5,055.00   May-2018   \$ 5,055.00   May-2019   \$ 5,055.00   May-2018   \$ 5,055.00   May-2019   \$ 5,055.00   May-2018   \$ 5,055.00   May-2019   \$ 5,055.00   May-2019   \$ 5,055.00   May-2018   \$ 5,055.00   May-2019   \$ 5,055.00   May-2018   \$ 5,055.00   May-	Feb-2019	\$	
Jul-2018			
Jun-2018	Jul-2018	\$	
Mar-2019   \$ 2,500.00		\$	
May-2018   \$ 4,410.00		\$	•
Nov-2018 \$ 3,675.00 Sep-2018 \$ 4,415.00  Apr-2018 \$ 4,415.00  Apr-2018 \$ 4,110.00  Aug-2018 \$ 4,220.00 Dec-2018 \$ 2,280.00 Feb-2019 \$ 2,280.00 Jul-2018 \$ 4,275.00 Jul-2018 \$ 4,275.00 Jul-2018 \$ 4,275.00 Jul-2018 \$ 4,275.00 Jul-2018 \$ 4,375.00 May-2018 \$ 4,705.00 May-2018 \$ 4,705.00 Nov-2018 \$ 3,375.00 Sep-2018 \$ 3,055.00 Sep-2018 \$ 3,005.00 Sep		\$	
Oct-2018         \$ 3,405.00           Sep-2018         \$ 4,110.00           Apr-2018         \$ 4,200.00           Dec-2018         \$ 2,750.00           Feb-2019         \$ 2,790.00           Jan-2019         \$ 2,335.00           Jul-2018         \$ 4,275.00           Jur-2018         \$ 4,375.00           Mar-2019         \$ 2,610.00           Mar-2019         \$ 2,610.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,755.00           Sep-2018         \$ 4,955.00           Apr-2018         \$ 4,95.00           Apr-2018         \$ 499.56           Aug-2018         \$ 499.56           Jur-2018         \$ 352.17           Jur-2019         \$ 352.17           Jur-2019         \$ 352.17           Jur-2019         \$ 352.17           Mary-2019         \$ 352.17           May-2018         \$ 939.12           May-2019         \$ 352.17           May-2018         \$ 939.12           May-2019         \$ 352.17           May-2018         \$ 939.12           Sep-2018         \$ 939.12           Sep-2018         \$ 939.12           Sep-201		\$	
Sep-2018       \$ 4,110.00         Aug-2018       \$ 4,220.00         Dec-2018       \$ 2,250.00         Feb-2019       \$ 2,980.00         Jan-2019       \$ 2,980.00         Jul-2018       \$ 4,275.00         Jur-2018       \$ 4,275.00         Mar-2019       \$ 2,610.00         May-2018       \$ 4,705.00         Nov-2018       \$ 3,055.00         Sep-2018       \$ 3,055.00         Sep-2018       \$ 36.95         Feb-2019       \$ 352.17         Jur-2018       \$ 352.17         Jur-2019       \$ 352.17         Jur-2019       \$ 352.17         Jur-2019       \$ 352.17         Jur-2018       \$ 939.12         Mar-2019       \$ 352.17         Jur-2018       \$ 939.12         Mar-2019       \$ 352.17         Jur-2018       \$ 939.12         Mar-2019       \$ 352.17         Sep-2018       \$ 939.12         Jur-2019       \$ 352.17         Jur-2018       \$ 939.12         Jur-2019       \$ 352.17         Jur-2018       \$ 939.12         Jur-2019       \$ 3,050.00         Dec-2018       \$ 9,050.00		\$	
Apr-2018 \$ 4,110.00 Aug-2018 \$ 4,220.00 Dec-2018 \$ 2,750.00 Feb-2019 \$ 2,2350.00 Jan-2019 \$ 2,3350.00 Jun-2019 \$ 2,3350.00 Jun-2018 \$ 4,275.00 Amr-2019 \$ 2,610.00 Amr-2019 \$ 2,610.00 Amr-2018 \$ 4,705.00 Nov-2018 \$ 3,745.00 Cet-2018 \$ 3,745.00 Cet-2018 \$ 3,745.00 Cet-2018 \$ 3,055.00 Sep-2018 \$ 4,955.00 Apr-2018 \$ 3,959.12 Dec-2018 \$ 3,959.12 Dec-2019 \$ 3,521.73 Jun-2019 \$ 3,521.73 Jun-2019 \$ 3,521.73 Jun-2019 \$ 3,521.73 Jun-2019 \$ 3,521.73 Apr-2018 \$ 469.56 Aug-2019 \$ 3,521.73 Apr-2019 \$ 3,521.73 Apr-2018 \$ 469.56 Aug-2018 \$ 5,035.00 Dec-2018 \$ 5,035.00 Dec-201			
Aug. 2018         \$ 4,220.00           Dec-2019         \$ 2,780.00           Feb-2019         \$ 2,980.00           Jan-2019         \$ 2,335.00           Jul-2018         \$ 4,375.00           Jur-2019         \$ 2,610.00           Mar-2019         \$ 2,610.00           May-2018         \$ 4,705.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,055.00           Sep-2018         \$ 469.56           Aug-2018         \$ 939.12           Dec-2018         \$ 366.95           Feb-2019         \$ 352.17           Jur-2018         \$ 86.95           Feb-2019         \$ 352.17           Jur-2018         \$ 897.12           Mar-2019         \$ 352.17           Mar-2019         \$ 352.17           May-2018         \$ 897.17           Oct-2018         \$ 897.17           Sep-2018         \$ 409.56           Aug-2018         \$ 80.27           Oct-2018         \$ 821.73           Sep-2019         \$ 352.17           Jur-2019         \$ 352.17           Apr-2018         \$ 40,95.00           Jur-2018         \$ 40,95.00           Jur-2019 <td></td> <td></td> <td></td>			
Dec-2018         \$ 2,750.00           Feb-2019         \$ 2,980.00           Jan-2019         \$ 2,335.00           Jul-2018         \$ 4,275.00           Mar-2019         \$ 2,610.00           May-2018         \$ 4,705.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,055.00           Sep-2018         \$ 3,055.00           Apr-2018         \$ 939.12           Dec-2018         \$ 939.12           Feb-2019         \$ 352.17           Jul-2018         \$ 352.17           Jul-2018         \$ 352.17           Jul-2018         \$ 399.12           Mar-2019         \$ 352.17           Jul-2018         \$ 399.12           Mar-2019         \$ 352.17           Jul-2018         \$ 399.12           May-2018         \$ 399.12           May-2018         \$ 300.00           Sep-2018         \$ 821.73           Apr-2018         \$ 469.56           Oct-2018         \$ 821.73           Apr-2018         \$ 4,035.00           Aug-2018         \$ 5,035.00           Jul-2019         \$ 2,420.00           Jul-2018         \$ 5,035.00           Jul-2018<		\$	
Feb-2019         \$ 2,980.00           Jan-2019         \$ 2,335.00           Jul-2018         \$ 4,275.00           Jun-2019         \$ 2,610.00           Mar-2019         \$ 2,610.00           May-2018         \$ 4,705.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,055.00           Sep-2018         \$ 4495.00           Apr-2018         \$ 469.56           Aug-2018         \$ 399.12           Dec-2018         \$ 352.17           Jan-2019         \$ 352.17           Jul-2018         \$ 821.73           Jun-2019         \$ 352.17           Mar-2019         \$ 352.17           May-2018         \$ 821.73           Sep-2018         \$ 469.56           Oct-2018         \$ 821.73           Sep-2018         \$ 821.73           Apr-2018         \$ 403.500           Aug-2018         \$ 821.73           Sep-2018         \$ 9.300.00           Dec-2018         \$ 9.300.00           Feb-2019         \$ 2,420.00           Jul-2018         \$ 9.300.00           Mar-2019         \$ 2,420.00           Jul-2018         \$ 9.300.00           Sep-2			
Jan-2019   \$ 2,335.00   Jun-2018   \$ 4,275.00   Jun-2018   \$ 4,275.00   Jun-2018   \$ 4,775.00   Jun-2018   \$ 4,775.00   Jun-2018   \$ 4,705.00   Jun-2018   \$ 4,705.00   Jun-2018   \$ 3,745.00   Jun-2018   \$ 3,745.00   Jun-2018   \$ 3,055.00   Jun-2018   \$ 4,955.00   Jun-2018   \$ 4,955.00   Jun-2019   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2018   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2018   \$ 3,055.00   Jun-2018   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2018   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2019   \$ 3,055.00   Jun-2018   \$ 3,055.00   Jun-		\$	·
Jul-2018         \$ 4,275.00           Jun-2019         \$ 2,610.00           May-2018         \$ 4,705.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,055.00           Sep-2018         \$ 4,995.00           Apr-2018         \$ 469.56           Aug-2018         \$ 469.56           Aug-2018         \$ 352.17           Jun-2019         \$ 352.17           Jun-2019         \$ 352.17           Jun-2019         \$ 352.17           Mar-2019         \$ 352.17           May-2018         \$ 939.12           Cut-2018         \$ 352.17           May-2018         \$ 704.34           Nov-2018         \$ 704.34           Nov-2018         \$ 821.73           Sep-2018         \$ 821.73           Sep-2018         \$ 3,030.00           Aug-2018         \$ 4,035.00           Aug-2018         \$ 5,030.00           Jun-2019         \$ 3,150.00           Jun-2019         \$ 3,950.00           Sep-2019         \$ 3,150.00           Jun-2018         \$ 4,860.00           Mar-2019         \$ 3,940.00           Mar-2019         \$ 4,860.00           Nov-2			
Jun-2018         \$ 4,375.00           Mar-2019         \$ 2,610.00           May-2018         \$ 4,705.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,055.00           Sep-2018         \$ 469.56           Aug-2018         \$ 939.12           Dec-2018         \$ 586.95           Feb-2019         \$ 352.17           Jun-2019         \$ 352.17           Jun-2019         \$ 352.17           Jun-2018         \$ 821.73           May-2018         \$ 939.12           May-2019         \$ 352.17           May-2018         \$ 704.34           Nov-2018         \$ 469.56           Oct-2018         \$ 821.73           Sep-2018         \$ 821.73           Apr-2018         \$ 821.73           Apr-2018         \$ 4,035.00           Dec-2018         \$ 2,975.00           Feb-2019         \$ 3,150.00           Jun-2019         \$ 3,150.00           Jun-2019         \$ 3,150.00           Jun-2019         \$ 3,460.00           Jun-2019         \$ 3,460.00           Jun-2019         \$ 3,460.00           Jun-2019         \$ 3,465.00           May-201		\$	
Mar-2019         \$ 2,610.00           May-2018         \$ 4,705.00           Nov-2018         \$ 3,745.00           Oct-2018         \$ 3,055.00           Sep-2018         \$ 469.56           Apr-2018         \$ 939.12           Dec-2018         \$ 939.12           Dec-2018         \$ 352.17           Jan-2019         \$ 352.17           Jul-2018         \$ 821.73           Jun-2019         \$ 352.17           Mar-2019         \$ 352.17           May-2018         \$ 939.12           Mar-2019         \$ 352.17           May-2018         \$ 704.34           Nov-2018         \$ 469.56           Oct-2018         \$ 821.73           Sep-2018         \$ 821.73           Sep-2018         \$ 821.73           Sep-2018         \$ 8,030.00           Jun-2018         \$ 939.12           Mar-2019         \$ 3,150.00           Jul-2018         \$ 939.12           Mar-2019         \$ 3,150.00           Jul-2018         \$ 939.12           Mar-2019         \$ 3,460.00           Mar-2019         \$ 3,705.00           Sep-2018         \$ 3,705.00           Sep-2018		\$	
May-2018       \$ 4,705.00         Nov-2018       \$ 3,745.00         Oct-2018       \$ 3,055.00         Sep-2018       \$ 469.50         Apr-2018       \$ 939.12         Dec-2018       \$ 586.95         Feb-2019       \$ 352.17         Jan-2019       \$ 352.17         Jul-2018       \$ 939.12         Mar-2019       \$ 352.17         May-2018       \$ 939.12         May-2018       \$ 704.34         Nov-2018       \$ 469.56         Oct-2018       \$ 821.73         Sep-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 5,030.00         Dec-2018       \$ 5,030.00         Jul-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         May-2018       \$ 5,055.00         Jul-2018       \$ 4,860.00         May-2018       \$ 4,860.00         May-2018       \$ 4,860.00         May-2018       \$ 3,705.00         Sep-2018       \$ 4,860.00         May-2019       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00 </td <td></td> <td></td> <td></td>			
Nov-2018 \$ 3,745.00 Cct-2018 \$ 3,055.00 Sep-2018 \$ 4,495.00 Apr-2018 \$ 4,495.00 Apr-2018 \$ 939.12 Dec-2018 \$ 586.95 Feb-2019 \$ 352.17 Jul-2018 \$ 821.73 Jun-2018 \$ 821.73 Jun-2018 \$ 939.12 Mar-2019 \$ 3352.17 May-2018 \$ 939.12 May-2018 \$ 939.12 May-2018 \$ 704.34 Nov-2018 \$ 704.34 Nov-2018 \$ \$ 821.73 Sep-2018 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		\$	
Oct-2018       \$ 3,055.00         Sep-2018       \$ 4,95.00         Apr-2018       \$ 939.12         Dec-2018       \$ 939.12         Dec-2018       \$ 586.95         Feb-2019       \$ 352.17         Jun-2019       \$ 352.17         Jul-2018       \$ 821.73         Jur-2019       \$ 352.17         Mar-2019       \$ 352.17         May-2018       \$ 704.34         Nov-2018       \$ 704.34         Nov-2018       \$ 821.73         Sep-2018       \$ 821.73         Apr-2018       \$ 469.56         Oct-2018       \$ 821.73         Apr-2018       \$ 5,030.00         Dec-2018       \$ 5,030.00         Dec-2018       \$ 5,030.00         Dec-2019       \$ 3,150.00         Jun-2019       \$ 2,242.00         Jul-2018       \$ 5,055.00         Mar-2019       \$ 2,2645.00         May-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00		\$	
Sep-2018       \$ 4,495.00         Apr-2018       \$ 469.56         Aug-2018       \$ 939.12         Dec-2018       \$ 586.95         Feb-2019       \$ 352.17         Jan-2019       \$ 352.17         Jul-2018       \$ 821.73         Mar-2019       \$ 352.17         May-2018       \$ 704.34         Nov-2018       \$ 704.34         Oct-2018       \$ 821.73         Sep-2018       \$ 821.73         Sep-2018       \$ 821.73         Aug-2018       \$ 5,030.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jul-2018       \$ 5,055.00         Jun-2019       \$ 2,420.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,860.00         Mar-2019       \$ 3,940.00         Oct-2018       \$ 3,940.00         Sep-2018       \$ 3,940.00         Apr-2018       \$ 3,940.00         Apr-2018       \$ 3,950.00         Sep-2018       \$ 3,050.00         Sep-2018       \$ 3,050.00         Apr-2019       \$ 3,050.00       \$ 3,000.00         Apr-2019 <td></td> <td></td> <td></td>			
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Dec-2018       \$ 586.95         Feb-2019       \$ 352.17         Jan-2019       \$ 352.17         Jul-2018       \$ 821.73         Jun-2019       \$ 352.17         May-2019       \$ 352.17         May-2018       \$ 704.34         Nov-2018       \$ 469.56         Oct-2018       \$ 821.73         Sep-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jun-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,860.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2019       \$ 4,935.00         Apr-2019       \$ 3,705.00         Sep-2018       \$ 708.75         Feb-2019       \$ 4,755         Jun-2018       \$ 708.75         Feb-2019       \$ 4,755         Jun-2018       \$ 708.75         Feb-2019       \$ 4,755         Jun-2018       \$ 708.75			
Feb-2019       \$ 352.17         Jan-2019       \$ 352.17         Jul-2018       \$ 821.73         Jun-2019       \$ 352.17         May-2018       \$ 704.34         Nov-2018       \$ 469.56         Oct-2018       \$ 821.73         Sep-2018       \$ 821.73         Apr-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,860.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 50.00         Apr-2018       \$ 80.25         Apr-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 447.75         Jan-2019       \$ 51.75         Jul-2018       \$ 954.00         Mar-2019       \$ 51.75			
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Mar-2019       \$ 352.17         May-2018       \$ 704.34         Nov-2018       \$ 469.56         Oct-2018       \$ 821.73         Sep-2018       \$ 821.73         Apr-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Mar-2019       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 524.25         Aug-2018       \$ 524.25         Aug-2018       \$ 50.00         Sep-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 517.50         Jul-2018       \$ 954.00	Jun-2018	\$	939.12
May-2018       \$ 704.34         Nov-2018       \$ 469.56         Cct-2018       \$ 821.73         Sep-2018       \$ 21.73         Apr-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2019       \$ 4,860.00         Mar-2019       \$ 4,580.00         Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75	Mar-2019	\$	
Nov-2018       \$ 469.56         Oct-2018       \$ 821.73         Sep-2018       \$ 821.73         Apr-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 3705.00         Apr-2018       \$ 3705.00         Sep-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 708.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 954.00         Mar-2019       \$ 510.75		\$	
Oct-2018       \$ 821.73         Sep-2018       \$ 821.73         Apr-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2019       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Apr-2018       \$ 3,705.00         Sep-2018       \$ 30.25         Poc-2018       \$ 30.25         Poc-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2019       \$ 517.50         Mar-2019       \$ 517.50         Mar-2019       \$ 510.75	Nov-2018		469.56
Sep-2018       \$ 821.73         Apr-2018       \$ 4,035.00         Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2019       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 830.25         Dec-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2019       \$ 517.50         Mar-2019       \$ 517.50         Mar-2019       \$ 510.75	Oct-2018	\$	821.73
Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75	Sep-2018		821.73
Aug-2018       \$ 5,030.00         Dec-2018       \$ 2,975.00         Feb-2019       \$ 3,150.00         Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,705.00         Sep-2018       \$ 3,705.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75	Ann 2019	¢	4.025.00
Dec-2018       \$       2,975.00         Feb-2019       \$       3,150.00         Jan-2019       \$       2,420.00         Jul-2018       \$       5,055.00         Jun-2018       \$       4,860.00         Mar-2019       \$       2,645.00         May-2018       \$       4,580.00         Nov-2018       \$       3,705.00         Sep-2018       \$       4,935.00         Apr-2018       \$       830.25         Aug-2018       \$       830.25         Dec-2018       \$       708.75         Feb-2019       \$       447.75         Jan-2019       \$       517.50         Jul-2018       \$       954.00         Mar-2019       \$       510.75		<b>3</b>	
Feb-2019       \$       3,150.00         Jan-2019       \$       2,420.00         Jul-2018       \$       5,055.00         Jun-2018       \$       4,860.00         Mar-2019       \$       2,645.00         May-2018       \$       4,580.00         Nov-2018       \$       3,705.00         Sep-2018       \$       3,705.00         Apr-2018       \$       4,935.00         Apr-2018       \$       830.25         Dec-2018       \$       708.75         Feb-2019       \$       447.75         Jan-2019       \$       517.50         Jul-2018       \$       954.00         Mar-2019       \$       510.75		<b>9</b>	
Jan-2019       \$ 2,420.00         Jul-2018       \$ 5,055.00         Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75		\$ <b>C</b>	
Jul-2018       \$ 5,055.00         Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75		<b>\$</b>	
Jun-2018       \$ 4,860.00         Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75		_	
Mar-2019       \$ 2,645.00         May-2018       \$ 4,580.00         Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Mar-2019       \$ 954.00         Mar-2019       \$ 510.75		\$ <b>\$</b>	
May-2018       \$       4,580.00         Nov-2018       \$       3,940.00         Oct-2018       \$       3,705.00         Sep-2018       \$       4,935.00         Apr-2018       \$       524.25         Aug-2018       \$       830.25         Dec-2018       \$       708.75         Feb-2019       \$       447.75         Jan-2019       \$       517.50         Jul-2018       \$       954.00         Mar-2019       \$       510.75		<b>\$</b>	
Nov-2018       \$ 3,940.00         Oct-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75		\$ \$	
Oct-2018       \$ 3,705.00         Sep-2018       \$ 4,935.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75		<b>©</b>	
Sep-2018       \$ 4,935.00         Apr-2018       \$ 524.25         Aug-2018       \$ 830.25         Dec-2018       \$ 708.75         Feb-2019       \$ 447.75         Jan-2019       \$ 517.50         Jul-2018       \$ 954.00         Mar-2019       \$ 510.75		<b>\$</b>	
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Aug-2018       \$       830.25         Dec-2018       \$       708.75         Feb-2019       \$       447.75         Jan-2019       \$       517.50         Jul-2018       \$       954.00         Mar-2019       \$       510.75	3CP-2016	<b>y</b>	4,933.00
Aug-2018       \$       830.25         Dec-2018       \$       708.75         Feb-2019       \$       447.75         Jan-2019       \$       517.50         Jul-2018       \$       954.00         Mar-2019       \$       510.75	Apr-2018	\$	
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Feb-2019       \$       447.75         Jan-2019       \$       517.50         Jul-2018       \$       954.00         Mar-2019       \$       510.75		\$	708.75
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			954.00
May-2018 \$ 1,442.25			
	May-2018	\$	1,442.25

Jun-2018       \$ 4,790.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jan-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Bec-2018       \$ 3,805.00	Counterparty and Payment Dates		REC Cost
Sep-2018         \$ 875.25           Apr-2018         \$ 4,130.00           Aug-2018         \$ 4,595.00           Dec-2018         \$ 2,205.00           Feb-2019         \$ 2,235.00           Jul-2018         \$ 5,005.00           Jul-2018         \$ 5,005.00           Jur-2019         \$ 2,235.00           Mar-2019         \$ 2,325.00           May-2018         \$ 2,815.00           Nov-2018         \$ 2,815.00           Cet-2018         \$ 2,900.00           Sep-2018         \$ 4,720.00           Apr-2018         \$ 1,105.00           Aug-2018         \$ 4,105.00           Aug-2018         \$ 4,105.00           Aug-2018         \$ 1,050.00           Aug-2018         \$ 3,085.00           Aug-2019         \$ 3,085.00           May-2019         \$ 2,440.00           Mar-2019         \$ 2,765.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,105.00           Cet-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Sep-2018         \$ 4,000.00           Apr-2018         \$ 4,600.00		\$	
Apr-2018 \$ 4,150.00  Aug-2018 \$ 2,205.00  Feb-2019 \$ 2,235.00  Jan-2019 \$ 2,235.00  Jan-2019 \$ 2,235.00  Jan-2018 \$ 4,505.00  Jan-2018 \$ 5,005.00  May-2018 \$ 4,505.00  May-2018 \$ 4,505.00  May-2018 \$ 4,455.00  May-2018 \$ 4,505.00  May-2018 \$ 2,235.00  May-2018 \$ 2,235.00  Apr-2018 \$ 2,900.00  Apr-2018 \$ 2,900.00  Apr-2018 \$ 3,002.00  Apr-2018 \$ 3,002.00  Apr-2018 \$ 3,002.00  Apr-2018 \$ 3,002.00  Feb-2019 \$ 3,005.00  Jan-2019 \$ 3,005.00  Jan-2018 \$ 4,750.00  Apr-2018 \$ 4,855.00  Apr-2018 \$ 4,105.00  Apr-2018 \$ 4,005.00  Apr-2018 \$ 3,055.00  Apr-2018			
Aug-2018         \$ 4,595,00           Dec-2018         \$ 2,205,00           Feb-2019         \$ 2,835,00           Jan-2019         \$ 2,355,00           Jan-2018         \$ 4,505,00           Mary-2018         \$ 4,555,00           May-2018         \$ 4,510,00           May-2018         \$ 2,815,00           May-2018         \$ 2,900,00           Mov-2018         \$ 2,900,00           Sep-2018         \$ 4,720,00           Apr-2018         \$ 5,040,00           Aug-2018         \$ 5,040,00           Dec-2018         \$ 5,040,00           Dec-2018         \$ 5,040,00           Dec-2019         \$ 3,020,00           Jun-2019         \$ 2,440,00           Jun-2019         \$ 2,440,00           May-2019         \$ 2,765,00           May-2018         \$ 4,855,00           May-2018         \$ 4,855,00           May-2018         \$ 4,855,00           May-2018         \$ 4,105,00           May-2018         \$ 4,105,00           May-2018         \$ 4,105,00           May-2018         \$ 4,105,00           May-2018         \$ 4,900,00           May-2019         \$ 2,315,00	Sep-2018	\$	875.25
Aug-2018         \$ 4,595,00           Dec-2018         \$ 2,205,00           Feb-2019         \$ 2,835,00           Jan-2019         \$ 2,355,00           Jan-2018         \$ 4,505,00           Mary-2018         \$ 4,555,00           May-2018         \$ 4,510,00           May-2018         \$ 2,815,00           May-2018         \$ 2,900,00           Mov-2018         \$ 2,900,00           Sep-2018         \$ 4,720,00           Apr-2018         \$ 5,040,00           Aug-2018         \$ 5,040,00           Dec-2018         \$ 5,040,00           Dec-2018         \$ 5,040,00           Dec-2019         \$ 3,020,00           Jun-2019         \$ 2,440,00           Jun-2019         \$ 2,440,00           May-2019         \$ 2,765,00           May-2018         \$ 4,855,00           May-2018         \$ 4,855,00           May-2018         \$ 4,855,00           May-2018         \$ 4,105,00           May-2018         \$ 4,105,00           May-2018         \$ 4,105,00           May-2018         \$ 4,105,00           May-2018         \$ 4,900,00           May-2019         \$ 2,315,00	Δnr-2018	2	4 130 00
Dec-2018         \$ 2,205.00           Feb-2019         \$ 2,235.00           Jan-2019         \$ 2,235.00           Jul-2018         \$ 5,005.00           Jun-2019         \$ 2,235.00           Mar-2019         \$ 2,325.00           Mar-2019         \$ 2,325.00           Nov-2018         \$ 2,815.00           Cot-2018         \$ 2,900.00           Sep-2018         \$ 4,720.00           Apr-2018         \$ 4,105.00           Aug-2018         \$ 3,002.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 2,440.00           Jul-2018         \$ 4,910.00           Jul-2018         \$ 4,910.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,910.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,855.00           Cot-2018         \$ 4,855.00           Sep-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2019         \$ 2,2765.00           May-2018         \$ 4,605.00           Dec-2018         \$ 4,105.00           Sep-2018         \$ 4,605.00           Dec-2018         \$ 4,900.00	•	\$	· ·
Feb-2019         \$ 2,835 00           Jan-2019         \$ 2,235 00           Jul-2018         \$ 5,005,00           Jur-2019         \$ 2,225 00           May-2018         \$ 4,5100           May-2018         \$ 2,815 00           Oct-2018         \$ 2,900.00           Sep-2018         \$ 4,720 00           Apr-2018         \$ 4,05 00           Aug-2018         \$ 4,05 00           Aug-2018         \$ 3,020 00           Dec-2018         \$ 3,020 00           Dec-2019         \$ 3,085 00           Jan-2019         \$ 4,405 00           Jul-2018         \$ 4,760 00           Mar-2019         \$ 4,760 00           Jur-2018         \$ 4,760 00           Mar-2019         \$ 4,760 00           Jur-2018         \$ 4,760 00           May-2018         \$ 4,855 00           May-2018         \$ 4,855 00           May-2018         \$ 4,105 00           Sep-2018         \$ 4,105 00           Sep-2018         \$ 4,105 00           Sep-2018         \$ 4,105 00           Jur-2019         \$ 4,000 00           Jur-2019         \$ 7,700 00           Jur-2019         \$ 7,700 00			
Jan-2019   \$ 2,235,00     Jun-2018   \$ 5,005,00     Jun-2018   \$ 4,455,00     Mar-2019   \$ 2,235,00     Mar-2018   \$ 4,510,00     Nov-2018   \$ 2,315,00     Sep-2018   \$ 4,105,00     Apr-2018   \$ 4,105,00     Apr-2018   \$ 4,105,00     Aug-2018   \$ 3,025,00     Aug-2018   \$ 3,025,00     Aug-2019   \$ 3,085,00     Aug-2019   \$ 4,910,00     Aug-2018   \$ 4,105,00     Aug-2018   \$ 4,000,00     Aug-2019   \$ 2,775,00     Aug-2019   \$ 2,775,00     Aug-2019   \$ 2,775,00     Aug-2019   \$ 3,755,00     Aug-2018   \$ 4,500,00     Aug-2019   \$ 3,755,00     Aug-2018   \$ 3,650,00     Aug-2019   \$ 3,756,00     Aug-2018   \$ 3,7		\$	
Jul-2018			
Jun-2018         \$ 4,45500           Mar-2019         \$ 2,325.00           May-2018         \$ 2,815.00           Nov-2018         \$ 2,815.00           Cet-2018         \$ 4,720.00           Sep-2018         \$ 4,720.00           Apr-2018         \$ 4,05.00           Aug-2018         \$ 5,040.00           Cec-2018         \$ 3,020.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 4,910.00           Jun-2018         \$ 4,910.00           Mar-2019         \$ 2,765.00           Mar-2019         \$ 2,765.00           Mar-2019         \$ 4,855.00           Mar-2018         \$ 4,855.00           May-2018         \$ 4,105.00           Cet-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Apr-2018         \$ 4,400.00           Apr-2018         \$ 4,400.00           Dec-2018         \$ 4,900.00           Dec-2018         \$ 4,900.00           Dec-2018         \$ 4,900.00	Jul-2018		
May-2018         \$ 4,510.00           Nov-2018         \$ 2,900.00           Nov-2018         \$ 2,900.00           Sep-2018         \$ 4,720.00           Apr-2018         \$ 4,105.00           Apr-2018         \$ 5,040.00           Aug-2018         \$ 3,020.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 4,910.00           Jul-2018         \$ 4,910.00           Jur-2019         \$ 2,440.00           May-2019         \$ 2,765.00           May-2019         \$ 2,765.00           May-2018         \$ 4,105.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Apr-2018         \$ 4,400.00           Dec-2018         \$ 2,810.00           Feb-2019         \$ 2,770.00           Jul-2018         \$ 4,600.00           May-2018         \$ 4,600.00           May-2019         \$ 1,745.00           Jul-2018         \$ 4,600.00           May-2019         \$ 1,745.00           Jul-2018         \$ 4,600.00           May-2019         \$ 2,335.00           May-2018         \$ 3,605.00	Jun-2018	\$	4,455.00
Nov-2018         \$ 2,815.00           Oct-2018         \$ 2,900.00           Sep-2018         \$ 4,720.00           Apr-2018         \$ 1,05.00           Aug-2018         \$ 5,040.00           Dec-2018         \$ 3,020.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 2,440.00           Jul-2018         \$ 4,760.00           Mar-2019         \$ 2,765.00           Mar-2018         \$ 4,760.00           Mar-2018         \$ 4,855.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Sep-2018         \$ 4,400.00           Sep-2018         \$ 4,400.00           Sep-2019         \$ 2,770.00           Jan-2019         \$ 1,455.00           Jul-2018         \$ 4,690.00           Mar-2019         \$ 1,450.00           Jul-2018         \$ 4,690.00           Mar-2019         \$ 2,335.00           Mar-2019         \$ 3,905.00           Cot-2018         \$ 3,615.00           Mar-2019         \$ 2,335.00           Mar-2019         \$ 2,335.00	Mar-2019	\$	2,325.00
Oct-2018         \$ 2,900.00           Sep-2018         \$ 4,720.00           Apr-2018         \$ 1,015.00           Dec-2018         \$ 3,022.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 2,440.00           Jan-2019         \$ 2,440.00           Jan-2018         \$ 4,760.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,855.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Apr-2019         \$ 2,765.00           Aug-2018         \$ 4,105.00           Dec-2018         \$ 4,105.00           Sep-2018         \$ 4,000.00           Jan-2019         \$ 2,770.00           Jan-2019         \$ 2,770.00           Jan-2019         \$ 2,770.00           Jan-2019         \$ 1,745.00           Jan-2019         \$ 1,745.00           Jan-2019         \$ 1,745.00           Jan-2019         \$ 2,355.00           May-2018         \$ 4,690.00           Nov-2018         \$ 3,905.00           Oct-2018         \$ 3,692.00           Sep-2018         \$ 3,716.00			•
Sep-2018         \$ 4,720.00           Apr-2018         \$ 4,105.00           Aug-2018         \$ 5,040.00           Dec-2019         \$ 3,020.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 4,910.00           Jur-2018         \$ 4,910.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,855.00           May-2018         \$ 4,855.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Apr-2018         \$ 4,105.00           Apr-2018         \$ 4,600.00           Apr-2019         \$ 4,400.00           Feb-2019         \$ 2,770.00           Jan-2019         \$ 2,770.00           Jan-2019         \$ 1,745.00           Mar-2018         \$ 4,690.00           Mar-2019         \$ 2,335.00           May-2018         \$ 4,690.00           Nov-2018         \$ 3,600.00           Nov-2018         \$ 3,650.00           Apr-2018         \$ 3,650.00           Apr-2018         \$ 3,650.00           Apr-2019         \$ 2,308.00           Ju-2019         \$ 3,716.00			
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Aug-2018         \$ 5,040.00           Dec-2018         \$ 3,020.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 2,440.00           Jul-2018         \$ 4,910.00           Mar-2019         \$ 2,765.00           Mar-2018         \$ 4,855.00           Nov-2018         \$ 4,855.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Apr-2018         \$ 4,400.00           Aug-2018         \$ 4,400.00           Dec-2018         \$ 2,810.00           Feb-2019         \$ 2,810.00           Jun-2018         \$ 4,690.00           Mar-2019         \$ 1,745.00           Jun-2018         \$ 4,690.00           Mar-2019         \$ 1,745.00           May-2018         \$ 3,605.00           May-2019         \$ 3,605.00           May-2019         \$ 3,605.00           May-2019         \$ 3,605.00           May-2018         \$ 3,605.00           May-2018         \$ 3,605.00           May-2018         \$ 3,605.00           May-2018         \$ 3,605.00           May-2019         \$ 3,605.00	Sep-2018	\$	4,720.00
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Dec-2018         \$ 3,020.00           Feb-2019         \$ 3,085.00           Jan-2019         \$ 2,440.00           Jul-2018         \$ 4,910.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,855.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 5,165.00           Apr-2018         \$ 4,400.00           Aug-2018         \$ 4,400.00           Lec-2019         \$ 2,277.00           Jan-2019         \$ 1,745.00           Jur-2018         \$ 4,690.00           Jur-2018         \$ 4,790.00           Mar-2019         \$ 1,745.00           Mar-2019         \$ 3,305.00           May-2018         \$ 3,600.00           Sep-2018         \$ 3,200.00           Apr-2019         \$ 3,360.00           Apr-2018         \$ 3,360.00           May-2019         \$ 1,568.00           Jul-2018         \$ 3,369.00           \$ 2,208.00         \$ 3,369.00 <td></td> <td>\$ \$</td> <td></td>		\$ \$	
Feb-2019         \$ 3,085.00           Jul-2018         \$ 4,910.00           Jur-2018         \$ 4,760.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,855.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 4,100.00           Aug-2018         \$ 4,400.00           Dec-2018         \$ 2,810.00           Feb-2019         \$ 2,770.00           Jul-2018         \$ 4,690.00           Mar-2019         \$ 1,745.00           Jul-2018         \$ 4,690.00           Mar-2019         \$ 2,335.00           May-2018         \$ 4,690.00           Nov-2018         \$ 3,615.00           Sep-2018         \$ 3,615.00           Sep-2018         \$ 3,615.00           Sep-2018         \$ 3,600.00           Apr-2018         \$ 3,600.00           Aug-2019         \$ 1,568.00           Jul-2018         \$ 3,650.00           Apr-2019         \$ 1,568.00           Jul-2018         \$ 3,650.00           Apr-2019         \$ 1,568.00           Nov-2018         \$ 3,650.00           Nov-2018         \$ 3,650.00		\$	
Jan-2019         \$ 2,440.00           Jun-2018         \$ 4,760.00           Mar-2019         \$ 2,765.00           May-2018         \$ 4,105.00           Nov-2018         \$ 4,105.00           Oct-2018         \$ 4,105.00           Sep-2018         \$ 4,105.00           Apr-2018         \$ 4,100.00           Apr-2018         \$ 4,100.00           Apr-2018         \$ 4,400.00           Dec-2018         \$ 2,810.00           Feb-2019         \$ 2,770.00           Jun-2019         \$ 4,690.00           Jun-2018         \$ 4,690.00           Jun-2018         \$ 4,790.00           Mar-2019         \$ 3,305.00           Nov-2018         \$ 3,305.00           Nov-2018         \$ 3,305.00           Nov-2018         \$ 3,260.00           Apr-2018         \$ 3,260.00           Aug-2019         \$ 1,568.00           Jun-2019         \$ 1,568.00           May-2019         \$ 1,568.00           Nov-2018         \$ 3,760.00           \$ 2,208.00         \$ 3,760.00           Jun-2019         \$ 1,568.00           May-2019         \$ 1,568.00           May-2018         \$ 3,760.00 <td></td> <td>\$</td> <td></td>		\$	
Jul-2018       \$ 4,910.00         Mar-2019       \$ 2,765.00         May-2018       \$ 4,855.00         Nov-2018       \$ 4,105.00         Cct-2018       \$ 4,105.00         Sep-2018       \$ 4,110.00         Apr-2018       \$ 4,110.00         Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,810.00         Jul-2019       \$ 1,745.00         Jul-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,350.00         Cct-2018       \$ 3,505.00         Sep-2018       \$ 3,260.00         Apr-2019       \$ 2,264.00         Dec-2019       \$ 2,264.00         Sep-2018       \$ 3,260.00         Apr-2019       \$ 2,308.00         Jul-2018       \$ 3,376.00         Bec-2019       \$ 2,308.00         Jul-2018       \$ 3,360.00         Nov-2018			
Jun-2018       \$ 4,750.00         Mar-2019       \$ 2,765.00         May-2018       \$ 4,855.00         Nov-2018       \$ 4,105.00         Oct-2018       \$ 4,105.00         Sep-2018       \$ 4,110.00         Apr-2018       \$ 4,110.00         Apr-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jur-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         Mar-2019       \$ 2,335.00         May-2018       \$ 3,305.00         Nov-2018       \$ 3,605.00         Sep-2018       \$ 3,260.00         Apr-2018       \$ 3,260.00         Apr-2018       \$ 3,260.00         Apr-2018       \$ 3,260.00         Pec-2019       \$ 1,568.00         Jun-2019       \$ 1,568.00         Jun-2019       \$ 1,568.00         Mar-2019       \$ 1,568.00         Mar-2019       \$ 1,568.00         Mar-2019       \$ 1,568.00         Mar-2018       \$ 3,692.00         Nov-2018       \$ 3,716.00         Mar-2019       \$ 1,568.00         May-2018			
Mar-2019       \$ 2,765.00         May-2018       \$ 4,855.00         Nov-2018       \$ 4,105.00         Cet-2018       \$ 4,105.00         Sep-2018       \$ 4,100.00         Apr-2018       \$ 4,110.00         Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Mov-2018       \$ 3,905.00         Oct-2018       \$ 3,950.00         Sep-2018       \$ 3,576.00         Apr-2019       \$ 2,064.00         Apr-2018       \$ 3,576.00         Sep-2019       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jul-2018       \$ 3,560.00         Mar-2019       \$ 2,308.00         Jul-2018       \$ 3,560.00         Mar-2019       \$ 1,568.00         Mar-2019       \$ 3,560.00         Mar-2019       \$ 3,560.00         Mar-2019       \$ 3,560.00         Mar-2019       \$ 3,560.00         Mar-2019	Jun-2018		
Nov-2018       \$ 4,105.00         Oct-2018       \$ 4,105.00         Sep-2018       \$ 5,165.00         Apr-2018       \$ 4,110.00         Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,2810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,905.00         Sep-2018       \$ 3,260.00         Aug-2018       \$ 3,260.00         Aug-2018       \$ 3,260.00         Aug-2019       \$ 2,308.00         Jun-2019       \$ 1,568.00         Jun-2019       \$ 1,568.00         Mar-2019       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         Mar-2019       \$ 2,248.00         Oct-2018       \$ 3,360.00         Sep-2018	Mar-2019		
Oct-2018       \$ 4,105.00         Sep-2018       \$ 5,165.00         Apr-2018       \$ 4,110.00         Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,615.00         Sep-2018       \$ 3,615.00         Apr-2018       \$ 3,615.00         Apr-2019       \$ 3,615.00         Apr-2018       \$ 3,600.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 3,576.00         Dec-2019       \$ 2,308.00         Jul-2019       \$ 2,308.00         Jul-2019       \$ 1,568.00         Jul-2019       \$ 3,716.00         Mar-2019       \$ 3,716.00         Mar-2019       \$ 3,716.00         May-2018       \$ 3,692.00         May-2018       \$ 3,716.00         Sep-2018       \$ 3,716.00         Sep-2018       \$ 3,716.00         Sep-2018       \$ 3,716.00         Sep-2018       \$ 3,805.00         Sep-2018	May-2018		4,855.00
Sep-2018       \$ 5,165.00         Apr-2018       \$ 4,110.00         Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jun-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         Mar-2019       \$ 3,250.00         Mar-2019       \$ 3,500.00         Nov-2018       \$ 3,615.00         Sep-2018       \$ 3,615.00         Apr-2018       \$ 3,615.00         Aug-2018       \$ 3,576.00         Pec-2018       \$ 3,576.00         Feb-2019       \$ 2,308.00         Jul-2018       \$ 3,760.00         Mar-2019       \$ 1,568.00         Jul-2018       \$ 3,760.00         Mar-2019       \$ 1,568.00         Jul-2018       \$ 3,760.00         Mar-2019       \$ 1,568.00         May-2018       \$ 3,760.00         May-2018       \$ 3,692.00         May-2018       \$ 3,760.00         May-2018       \$ 3,692.00         May-2018       \$ 3,692.00         Sep-2018       \$ 3,692.00         Sep-2018       \$ 3,692.00         Sep-2018	Nov-2018		4,105.00
Apr-2018 \$ 4,10.00 Aug-2018 \$ 2,810.00 Dec-2018 \$ 2,810.00 Feb-2019 \$ 2,770.00 Jan-2019 \$ 1,745.00 Jul-2018 \$ 4,690.00 Jun-2018 \$ 4,790.00 Mar-2019 \$ 2,335.00 Mar-2019 \$ 3,355.00 Cet-2018 \$ 3,615.00 Sep-2018 \$ 3,615.00 Sep-2018 \$ 3,615.00 Apr-2018 \$ 3,576.00 Apr-2018 \$ 3,576.00 Apr-2018 \$ 3,576.00 Jul-2018 \$ 3,576.00 Jul-2019 \$ 3,576.00 Jul-2018 \$ 3,576.00 May-2019 \$ 3,576.00 May-2019 \$ 3,576.00 May-2019 \$ 3,576.00 May-2018 \$ 3,576.00 May-201		\$	4,105.00
Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Jun-2019       \$ 2,335.00         Mar-2019       \$ 2,335.00         Nov-2018       \$ 3,905.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,505.00         Sep-2018       \$ 3,260.00         Aug-2018       \$ 3,260.00         Aug-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,308.00         Jun-2019       \$ 2,308.00         Jun-2019       \$ 3,692.00         Jun-2018       \$ 3,692.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 3,805.00         Oct-2018       \$ 2,284.00         Sep-2018       \$ 3,560.00         Aug-2019       \$ 1,996.00         May-2019       \$ 3,580.00         Sep-2018	Sep-2018	\$	5,165.00
Aug-2018       \$ 4,400.00         Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Jun-2019       \$ 2,335.00         Mar-2019       \$ 2,335.00         Nov-2018       \$ 3,905.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,505.00         Sep-2018       \$ 3,260.00         Aug-2018       \$ 3,260.00         Aug-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,308.00         Jun-2019       \$ 2,308.00         Jun-2019       \$ 3,692.00         Jun-2018       \$ 3,692.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 3,805.00         Oct-2018       \$ 2,284.00         Sep-2018       \$ 3,560.00         Aug-2019       \$ 1,996.00         May-2019       \$ 3,580.00         Sep-2018	Apr-2018	\$	4,110.00
Dec-2018       \$ 2,810.00         Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Jun-2018       \$ 4,790.00         Mar-2019       \$ 2,335.00         May-2018       \$ 3,905.00         Nov-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,308.00         Feb-2019       \$ 1,568.00         Jun-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2019       \$ 1,996.00         May-2019       \$ 3,680.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,288.00         Sep-2018       \$ 3,516.00         Aug-2018       \$ 3,516.00         Aug-2018       \$ 3,516.00         Aug-2018       \$ 3,805.00         Aug-2018		\$	
Feb-2019       \$ 2,770.00         Jan-2019       \$ 1,745.00         Jul-2018       \$ 4,690.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Peb-2019       \$ 2,308.00         Jan-2019       \$ 2,308.00         Jur-2018       \$ 3,692.00         Jur-2018       \$ 3,692.00         Mar-2019       \$ 3,716.00         Mar-2019       \$ 3,692.00         Mar-2019       \$ 3,680.00         Nov-2018       \$ 3,680.00         Nov-2018       \$ 3,580.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,288.00         Sep-2018       \$ 3,516.00         Aug-2018       \$ 3,805.00         Aug-2018			
Jul-2018       \$ 4,690.00         Jun-2019       \$ 4,790.00         Mar-2019       \$ 2,335.00         May-2018       \$ 3,905.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jul-2019       \$ 1,568.00         Jur-2018       \$ 3,692.00         Mar-2019       \$ 3,716.00         May-2018       \$ 3,716.00         Nov-2018       \$ 3,680.00         Oct-2018       \$ 2,288.00         Oct-2018       \$ 2,280.00         Apr-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Dec-2018       \$ 3,805.00	Feb-2019		2,770.00
Jun-2018       \$ 4,790.00         Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jun-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,288.00         Oct-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Bec-2018       \$ 3,805.00	Jan-2019		1,745.00
Mar-2019       \$ 2,335.00         May-2018       \$ 4,650.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jun-2019       \$ 1,568.00         Jul-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Bec-2018       \$ 4,175.00         Dec-2018       \$ 2,248.00			4,690.00
May-2018       \$ 4,650.00         Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jan-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 3,680.00         Oct-2018       \$ 2,284.00         Sep-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Dec-2018       \$ 4,175.00         Dec-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			4,790.00
Nov-2018       \$ 3,905.00         Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jun-2019       \$ 1,568.00         Jul-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Dec-2018       \$ 2,244.00         Sep-2018       \$ 3,805.00			
Oct-2018       \$ 3,615.00         Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jan-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Dec-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			
Sep-2018       \$ 4,970.00         Apr-2018       \$ 3,260.00         Aug-2018       \$ 3,576.00         Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jan-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,805.00         Aug-2018       \$ 3,805.00         Dec-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			
Apr-2018 Aug-2018 S Aug-2018 S C C C C C C C C C C C C C C C C C C			
Aug-2018 Dec-2018 S 2,064.00 Feb-2019 S 2,308.00 Jan-2019 S 1,568.00 Jul-2018 S 3,692.00 Jun-2018 S 3,716.00 Mar-2019 May-2018 S 3,680.00 Nov-2018 S 2,288.00 Oct-2018 S 2,244.00 Sep-2018 S 3,805.00 Aug-2018 S 3,805.00 Aug-2018 S 3,805.00 Dec-2018 S 3,805.00 S 3,80	Зер-2018	\$	4,970.00
Aug-2018 Dec-2018 S 2,064.00 Feb-2019 S 2,308.00 Jan-2019 S 1,568.00 Jul-2018 S 3,692.00 Jun-2018 S 3,716.00 Mar-2019 May-2018 S 3,680.00 Nov-2018 S 2,288.00 Oct-2018 S 2,244.00 Sep-2018 S 3,805.00 Aug-2018 S 3,805.00 Aug-2018 S 3,805.00 Dec-2018 S 3,805.00 S 3,80	Apr-2018	\$	3,260.00
Dec-2018       \$ 2,064.00         Feb-2019       \$ 2,308.00         Jan-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			
Feb-2019       \$ 2,308.00         Jan-2019       \$ 1,568.00         Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			2,064.00
Jan-2019 Jul-2018 Jul-2018 S Jun-2018 S Jun-2019 S Mar-2019 S May-2018 S Nov-2018 Sep-2018 S Sep-2018 S Apr-2018 S Agr-2018 S Sep-2018 S S S S S S S S S S S S S S S S S S S	Feb-2019	\$	2,308.00
Jul-2018       \$ 3,692.00         Jun-2018       \$ 3,716.00         Mar-2019       \$ 1,996.00         May-2018       \$ 3,680.00         Nov-2018       \$ 2,288.00         Oct-2018       \$ 2,244.00         Sep-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			1,568.00
Mar-2019 \$ 1,996.00 May-2018 \$ 3,680.00 Nov-2018 \$ 2,288.00 Oct-2018 \$ 2,244.00 Sep-2018 \$ 3,516.00  Apr-2018 \$ 3,805.00 Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00		\$	3,692.00
May-2018 \$ 3,680.00 Nov-2018 \$ 2,288.00 Oct-2018 \$ 2,244.00 Sep-2018 \$ 3,516.00  Apr-2018 \$ 3,805.00 Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00			3,716.00
Nov-2018 \$ 2,288.00 Oct-2018 \$ 2,244.00 Sep-2018 \$ 3,516.00  Apr-2018 \$ 3,805.00 Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00		\$	
Oct-2018 \$ 2,244.00 Sep-2018 \$ 3,516.00  Apr-2018 \$ 3,805.00 Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00		\$	
Sep-2018       \$ 3,516.00         Apr-2018       \$ 3,805.00         Aug-2018       \$ 4,175.00         Dec-2018       \$ 2,480.00			
Apr-2018 \$ 3,805.00 Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00		\$	
Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00	Sep-2016	\$	3,516.00
Aug-2018 \$ 4,175.00 Dec-2018 \$ 2,480.00	Apr-2018	\$	3 805 00
Dec-2018 \$ 2,480.00		\$	
Feb-2019 \$ 2,530.00	Dec-2018		
	Feb-2019	\$	2,530.00

Counterparty and Payment Dates		REC Cost
Jan-2019	\$	2,095.00
Jul-2018	\$	4,435.00
Jun-2018	\$	4,115.00
Mar-2019	\$	2,375.00
May-2018	\$	4,545.00
Nov-2018	\$	3,505.00
Oct-2018	\$	3,370.00
Sep-2018	\$	4,370.00
Apr-2018	\$	1,100.00
Aug-2018	\$	1,732.00
Dec-2018	\$	1,344.00
Feb-2019	\$	824.00
Jan-2019	\$	1,988.00
Jul-2018	\$	1,568.00
May-2018	\$	2,756.00
Nov-2018	\$	1,260.00
Oct-2018	\$	1,524.00
Sep-2018	\$	1,576.00
Apr-2018	\$	3,286.92
Aug-2018	\$	7,982.52
Dec-2018	\$	4,226.04
Feb-2019	\$	2,699.97
Jan-2019	\$	2,582.58
Jul-2018	\$	7,865.13
Jun-2018	\$	7,278.18
Mar-2019	\$	3,286.92
May-2018	\$	5,752.11
Nov-2018	\$	4,460.82
Oct-2018	\$ \$	6,456.45
Sep-2018	<b>3</b>	5,517.33
Apr-2018	\$	6,694.59
Aug-2018	\$	15,809.29
Dec-2018	\$	9,900.45
Feb-2019	\$	6,294.42
Jan-2019	\$	8,328.95
Jul-2018	\$	16,406.46
Jun-2018	\$	15,557.85
Mar-2019	\$	8,858.95
May-2018	\$	14,332.08
Nov-2018	\$ \$	8,611.82 16,877.91
Oct-2018	\$ \$	14,049.21
Sep-2018		14,049.21
Apr-2018	\$	2,347.80
Aug-2018	\$	3,991.26
Dec-2018	\$	2,347.80
Feb-2019	\$	1,760.85
Jan-2019	\$	1,878.24
Jul-2018	\$	4,108.65
Jun-2018	\$	3,991.26
Mar-2019	\$	2,347.80
May-2018	\$	3,286.92
Nov-2018	\$	2,699.97
Oct-2018	\$	3,639.09
Sep-2018	\$	3,756.48
Ans 2019	\$	1 070 24
Apr-2018	<b>3</b>	1,878.24

Counterparty and Payment Dates		REC Cost
Aug-2018	\$	3,873.87
Dec-2018	\$	2,347.80
Feb-2019	\$	1,526.07
Jan-2019	\$	1,760.85
Jul-2018	\$	3,873.87
Jun-2018	\$	3,404.31
Mar-2019	\$	1,995.63
May-2018	\$	2,699.97
Nov-2018	\$	2,113.02
Oct-2018	\$	3,521.70
Sep-2018	\$	2,934.75
Apr-2018	\$	2,540.00
Aug-2018	\$	3,076.00
Dec-2018	\$	1,812.00
Feb-2019	\$	1,952.00
Jan-2019	\$	1,584.00
Jul-2018	\$	3,056.00
Jun-2018	\$	2,684.00
Mar-2019	\$	1,512.00
May-2018	\$	2,740.00
Nov-2018	\$	2,408.00
Oct-2018	\$	2,148.00
Sep-2018	\$	2,988.00
Apr-2018	\$	2,271.00
Aug-2018	\$	2,661.00
Dec-2018	\$	1,725.00
Feb-2019	\$	1,869.00
Jan-2019	\$	1,584.00
Jul-2018	\$	2,787.00
Jun-2018	\$	2,583.00
Mar-2019	\$	1,608.00
May-2018	\$	2,802.00
Nov-2018	\$	2,337.00
Oct-2018	\$	2,274.00
Sep-2018	\$	2,676.00
Apr-2018	\$	972.00
Aug-2018	\$	1,548.00
Dec-2018	\$	948.00
Feb-2019	\$	880.00
Jan-2019	\$	840.00
Jul-2018	\$	1,552.00
Jun-2018	\$	1,560.00
Mar-2019	\$	1,088.00
May-2018	\$	1,444.00
Nov-2018	\$	2,396.00
Sep-2018	\$	1,312.00
A 2010		001.70
Apr-2018 Aug 2018	\$ c	821.73
Aug-2018 Dec-2018	\$ \$	1,995.63
Feb-2019	\$ \$	939.12 586.05
Jan-2019	\$ \$	586.95 469.56
Jul-2018	\$ \$	
Jun-2018	\$ \$	1,760.85
Mar-2019	\$ \$	1,995.63 821.73
May-2018	\$ \$	1,291.29
Nov-2018	\$ \$	2,699.97
, 2010	<b>D</b>	2,077.77

Counterparty and Payment Dates		REC Cost
Sep-2018	\$	1,878.24
Apr-2018	\$	660.87
Aug-2018	\$	1,542.03
Dec-2018	\$	660.87
Feb-2019	\$	440.58
Jan-2019	\$	440.58
Jul-2018	\$	1,395.17
Jun-2018	\$	1,615.46
Mar-2019	\$	587.44
May-2018	\$	1,101.45
Nov-2018	\$	2,129.47
Sep-2018	\$	1,395.17
Apr-2018	\$	2,968.00
Aug-2018	\$	3,764.00
Dec-2018	\$	2,212.00
Feb-2019	\$	2,304.00
Jan-2019	\$	1,896.00
Jul-2018	\$	3,968.00
Jun-2018	\$	3,840.00
Mar-2019	\$	2,020.00
May-2018	\$	3,616.00
Nov-2018	\$	3,024.00
Oct-2018	\$	2,908.00
Sep-2018	\$	3,872.00
Apr-2018	\$	3,276.00
Aug-2018	\$	3,520.00
Dec-2018	\$	2,376.00
Feb-2019	\$	2,512.00
Jan-2019	\$	2,120.00
Jul-2018	\$	3,748.00
Jun-2018	\$	3,412.00
Mar-2019	\$	2,180.00
May-2018	\$	3,808.00
Nov-2018	\$	3,244.00
Oct-2018	\$	2,300.00
Sep-2018		3,792.00
A 2010	¢	2,526.00
Apr-2018 Aug-2018	<b>\$</b> <b>\$</b>	2,955.00
Dec-2018	\$	1,818.00
Feb-2019	\$	1,890.00
Jan-2019	\$	1,578.00
Jul-2018	\$	2,985.00
Jun-2018	\$	2,691.00
Mar-2019	\$	1,683.00
May-2018	\$	2,745.00
Nov-2018	\$	2,400.00
Oct-2018	\$	2,499.00
Sep-2018	\$	3,045.00
4 2010		
Apr-2018	<b>\$</b> . <b>\$</b>	=
Aug-2018 Dec-2018	. <b> </b>	-
Feb-2019	\$ \$	-
Jan-2019	. <b>.</b>	- -
Jul-2018	\$	-
Jun-2018	\$	- -
Juli-2010	Ų	-

Counterparty and Payment Dates		REC Cost
Mar-2019	\$	-
May-2018	\$	-
Nov-2018	\$	-
Oct-2018	\$	-
Sep-2018	\$	-
Apr-2018	\$	1,861.74
Aug-2018	\$	6,412.66
Dec-2018	\$	1,448.02
Feb-2019	\$	1,241.16
Jan-2019	\$	930.87
Jun-2018	\$	3,309.76
May-2018	\$	2,585.75
Nov-2018	\$	4,344.06
Sep-2018	\$	2,585.75
Apr-2018	\$	21,851.90
Aug-2018	\$	21,792.05
Dec-2018	\$	47,068.70
Feb-2019	\$	24,465.35
Jan-2019	\$	26,107.90
Jul-2018	\$	21,366.45
Jun-2018	\$	23,700.60
Mar-2019	\$	25,196.85
May-2018	\$	25,043.90
Oct-2018	\$	23,886.80
Sep-2018	\$	23,255.05
Apr-2018	\$	396.00
Aug-2018	\$ \$	1,300.00
Feb-2019	\$	276.00
Jan-2019	\$	436.00
Jun-2018	\$	988.00
Mar-2019	\$	304.00
May-2018	\$	432.00
Nov-2018	\$	1,004.00
Oct-2018	\$	636.00
Apr-2018	¢	332.00
Apr-2018	\$ \$	1,264.00
Feb-2019	\$ \$	580.00
Jan-2019	\$	944.00
Jun-2018	\$	596.00
Mar-2019	\$	644.00
May-2018	\$	960.00
Nov-2018	\$	2,248.00
Oct-2018	\$	632.00
Apr-2018	¢	840.00
Apr-2018	<b>\$</b> <b>\$</b>	2,868.00
Feb-2019	\$	268.00
Jan-2019	\$	428.00
Jun-2018	\$	1,296.00
Mar-2019	\$	296.00
May-2018	\$	2,340.00
Nov-2018	\$	992.00
Oct-2018	\$	1,436.00
Ans 2019		604.00
Apr-2018 Aug-2018	\$ \$	584.00
Aug-2010	<b>3</b>	3,396.00

Counterparty and Payment Dates		REC Cost
Dec-2018	\$	652.00
Feb-2019	\$	488.00
Jan-2019	\$	556.00
Jun-2018	\$	392.00
Mar-2019	\$	696.00
May-2018	\$	644.00
Nov-2018	\$	836.00
Oct-2018	\$	936.00
Sep-2018	\$	948.00
A 2010	<u></u>	51 660 00
Apr-2018	\$	51,660.00
Aug-2018	\$	34,692.52
Dec-2018	\$	37,156.00
Feb-2019	\$	36,904.00
Jan-2019	\$	30,368.00
Jul-2018	\$	48,688.08
Jun-2018	\$	62,580.00
Mar-2019	\$	33,832.00
May-2018	\$	61,500.00
Nov-2018	\$	47,052.00
Oct-2018	\$	40,848.00
Sep-2018	\$	83,334.51
Apr-2018	\$	25,608.00
Aug-2018	\$	26,736.00
Dec-2018	\$	17,868.00
Feb-2019	\$	18,644.00
Jan-2019	\$	14,964.00
Jul-2018	\$	28,580.00
Jun-2018	\$	26,648.00
Mar-2019	\$	16,568.00
May-2018	\$	28,524.00
Nov-2018	\$	22,820.00
Oct-2018	\$	17,948.00
Sep-2018	\$	28,272.00
Apr-2018	\$	3,152.00
Aug-2018	\$	3,440.00
Dec-2018	\$	1,860.00
Feb-2019	\$	2,236.00
Jan-2019	\$	1,696.00
Jul-2018	\$	3,568.00
Jun-2018	\$	2,888.00
Mar-2019	\$	1,892.00
May-2018	\$	3,424.00
Nov-2018	\$	2,800.00
Oct-2018	\$	2,328.00
Sep-2018	\$	3,444.00
Apr-2018	\$	_
Aug-2018	\$	-
Dec-2018	\$	-
Feb-2019	\$	-
Jan-2019	\$	_
Jul-2018	\$	_
Jun-2018	\$	_
Mar-2019	\$	_
May-2018	. \$	
Nov-2018	\$	-
Oct-2018	\$	-
O00-2010	<b>J</b>	-

Apr-2018 \$ 3,2400 Aug-2018 \$ \$ 3,468.00 Dec-2018 \$ \$ 2,124-00 Feb-2019 \$ 2,096.00 Ima-2019 \$ 2,096.00 Ima-2019 \$ 3,860.00 Ima-2019 \$ 3,860.00 Ima-2019 \$ 3,860.00 Ima-2019 \$ 1,928.00 Ima-2019 \$ 1,928.00 Ima-2018 \$ 3,516.00 Ima-2018 \$ 3,516.00 Ima-2018 \$ 2,552.00 Ima-2018 \$ 2,552.00 Ima-2018 \$ 3,516.00 Ima-2018 \$ 3,516.00 Ima-2019 \$ 3,928.00 Ima-2019 \$ 3,948.00 Ima-2018 \$ 3,958.00 Ima-2019 \$ 3,958.00 Ima-	Counterparty and Payment Dates		REC Cost
Aug-2018         \$ 3,468.00           Feb-2019         \$ 2,124.00           Jan-2019         \$ 2,096.00           Jan-2018         \$ 1,836.00           Jul-2018         \$ 3,480.00           Jul-2018         \$ 3,480.00           May-2018         \$ 3,516.00           Nov-2018         \$ 2,664.00           Nov-2018         \$ 2,664.00           Nov-2018         \$ 2,352.00           Nov-2018         \$ 3,512.00           Apr-2018         \$ 2,352.00           Apr-2018         \$ 3,332.00           Aug-2018         \$ 1,966.00           Aug-2018         \$ 1,966.00           Jan-2019         \$ 2,224.00           Jan-2019         \$ 1,940.00           May-2019         \$ 3,360.00           Jan-2019         \$ 3,010.00           May-2018         \$ 3,010.00           Nov-2018         \$ 2,932.00           Oct-2018         \$ 3,224.00           May-2018         \$ 3,520.00           Nov-2018         \$ 3,520.00           Nov-2018         \$ 3,520.00           Nov-2018         \$ 3,520.00           Jan-2019         \$ 1,920.00           Jan-2019         \$ 1,920.00	Sep-2018	\$	-
Aug-2018         \$ 3,468.00           Feb-2019         \$ 2,124.00           Jan-2019         \$ 2,096.00           Jan-2018         \$ 1,836.00           Jul-2018         \$ 3,480.00           Jul-2018         \$ 3,480.00           May-2018         \$ 3,516.00           Nov-2018         \$ 2,664.00           Nov-2018         \$ 2,664.00           Nov-2018         \$ 2,352.00           Nov-2018         \$ 3,512.00           Apr-2018         \$ 2,352.00           Apr-2018         \$ 3,332.00           Aug-2018         \$ 1,966.00           Aug-2018         \$ 1,966.00           Jan-2019         \$ 2,224.00           Jan-2019         \$ 1,940.00           May-2019         \$ 3,360.00           Jan-2019         \$ 3,010.00           May-2018         \$ 3,010.00           Nov-2018         \$ 2,932.00           Oct-2018         \$ 3,224.00           May-2018         \$ 3,520.00           Nov-2018         \$ 3,520.00           Nov-2018         \$ 3,520.00           Nov-2018         \$ 3,520.00           Jan-2019         \$ 1,920.00           Jan-2019         \$ 1,920.00	Apr-2018	\$	3,224.00
Dec-2018         \$ 2,124.00           Feb-2019         \$ 2,096.00           Jan-2019         \$ 1,815.00           Jun-2018         \$ 3,612.00           Jun-2018         \$ 3,480.00           Mar-2019         \$ 1,928.00           May-2018         \$ 3,516.00           Nov-2018         \$ 2,654.00           Sep-2018         \$ 2,612.00           Sep-2018         \$ 3,312.00           Dec-2018         \$ 1,996.00           Dec-2019         \$ 2,224.00           Jan-2019         \$ 1,944.00           Jun-2018         \$ 3,360.00           Mar-2019         \$ 1,944.00           Jun-2018         \$ 3,360.00           Mar-2019         \$ 2,244.00           Mar-2019         \$ 2,940.00           Mar-2018         \$ 3,100.00           Mar-2018         \$ 3,100.00           Mar-2018         \$ 3,552.00           Mar-2019         \$ 2,240.00           Mar-2019         \$ 2,232.00           Mar-2019         \$ 3,552.00           Mar-2019         \$ 3,552.00           Mar-2019         \$ 3,552.00           Mar-2019         \$ 3,242.00           Mar-2019         \$ 3,242.00	Aug-2018		3,468.00
Feb-2019	Dec-2018		2,124.00
Jul-2018	Feb-2019	\$	2,096.00
Jum-2018         \$ 3,480.00           May-2018         \$ 3,516.00           Nov-2018         \$ 2,664.00           Oct-2018         \$ 2,552.00           Sep-2018         \$ 3,512.00           Apr-2018         \$ 2,612.00           Apr-2018         \$ 2,612.00           Apr-2018         \$ 3,332.00           Dec-2018         \$ 1,996.00           Feb-2019         \$ 2,224.00           Jam-2019         \$ 1,944.00           Jul-2018         \$ 3,360.00           Mar-2019         \$ 2,040.00           Mar-2019         \$ 2,040.00           Mar-2019         \$ 2,040.00           Mar-2019         \$ 2,040.00           Mar-2019         \$ 2,832.00           May-2018         \$ 3,552.00           Nov-2018         \$ 2,832.00           Oct-2018         \$ 3,628.00           Sep-2018         \$ 3,628.00           Apr-2018         \$ 3,628.00           Apr-2018         \$ 3,425.00           Apr-2019         \$ 3,425.00           Jul-2018         \$ 3,720.00           May-2019         \$ 1,920.00           Jul-2018         \$ 3,425.00           Sep-2018         \$ 3,425.00	Jan-2019	\$	1,836.00
Mar-2019         \$ 1,928.00           Nov-2018         \$ 2,664.00           Oct-2018         \$ 2,352.00           Sep-2018         \$ 3,512.00           Apr-2018         \$ 3,512.00           Apr-2018         \$ 3,332.00           Aug-2018         \$ 3,332.00           Dec-2018         \$ 1,996.00           Feb-2019         \$ 1,946.00           Jan-2019         \$ 1,944.00           Jul-2018         \$ 3,100.00           Mar-2019         \$ 2,244.00           Mar-2019         \$ 3,100.00           Mar-2019         \$ 2,040.00           May-2018         \$ 3,100.00           May-2018         \$ 3,512.00           May-2018         \$ 3,522.00           Jul-2018         \$ 3,522.00           Mar-2019         \$ 1,920.00           Jul-2018         \$ 3,772.00           May-2018         \$ 3,452.00           Nov-2018         \$ 3,452.00	Jul-2018	\$	3,612.00
May-2018         \$ 3,516,00           Nov-2018         \$ 2,654,00           Oct-2018         \$ 2,352,00           Sep-2018         \$ 3,512,00           Apr-2018         \$ 2,612,00           Apr-2018         \$ 3,332,00           Dec-2018         \$ 1,996,00           Feb-2019         \$ 2,224,00           Jan-2019         \$ 1,944,00           Jan-2018         \$ 3,360,00           Mar-2019         \$ 2,040,00           Mar-2019         \$ 2,040,00           Mar-2019         \$ 2,040,00           May-2018         \$ 3,060,00           Nov-2018         \$ 2,932,00           Oct-2018         \$ 2,932,00           Sep-2018         \$ 3,522,00           Apr-2018         \$ 3,522,00           Apr-2018         \$ 3,722,00           Jan-2019         \$ 1,920,00           Jan-2019         \$ 1,920,00           Jan-2019         \$ 1,920,00           Jan-2019         \$ 1,920,00           Mar-2019         \$ 1,920,00           Mar-2019         \$ 1,920,00           Mar-2019         \$ 1,920,00           Mar-2019         \$ 1,920,00           \$ 2,947,00         \$ 1,920,00 <td>Jun-2018</td> <td></td> <td>3,480.00</td>	Jun-2018		3,480.00
Nov-2018 \$ 2,664 00			
Oct-2018         \$ 2,352.00           Sep-2018         \$ 3,512.00           Apr-2018         \$ 2,612.00           Apr-2018         \$ 3,352.00           Dec-2018         \$ 1,996.00           Feb-2019         \$ 2,224.00           Jan-2019         \$ 1,944.00           Jul-2018         \$ 3,350.00           Jun-2019         \$ 1,944.00           Mar-2019         \$ 2,040.00           Mar-2019         \$ 2,040.00           May-2018         \$ 3,100.00           Nov-2018         \$ 2,832.00           Oct-2018         \$ 2,932.00           Sep-2018         \$ 3,552.00           Apr-2018         \$ 3,628.00           Aug-2018         \$ 3,628.00           Dec-2018         \$ 3,628.00           Peb-2019         \$ 3,629.00           Jan-2019         \$ 1,920.00           Jul-2018         \$ 3,727.00           Jun-2018         \$ 3,720.00           Mar-2019         \$ 1,920.00           Jun-2018         \$ 3,720.00           Mar-2019         \$ 1,932.00           Cot-2018         \$ 3,640.00           Sep-2018         \$ 3,640.00           Sep-2018         \$ 3,640.00			•
Sep-2018         \$ 3,512 00           Apr-2018         \$ 2,612 00           Aug-2018         \$ 3,332 00           Dec-2019         \$ 1,996 00           Feb-2019         \$ 2,224 00           Jan-2019         \$ 1,944 00           Jul-2018         \$ 3,600 00           Mar-2019         \$ 2,040 00           May-2018         \$ 3,016 00           Nov-2018         \$ 2,832 00           Oct-2018         \$ 2,932 00           Oct-2019         \$ 3,552 00           Sep-2018         \$ 3,224 00           Aug-2018         \$ 3,224 00           Aug-2018         \$ 3,224 00           Aug-2018         \$ 3,225 00           Pec-2018         \$ 3,224 00           Aug-2018         \$ 3,224 00           Aug-2018         \$ 3,224 00           Aug-2018         \$ 3,224 00           Aug-2018         \$ 3,245 00           Aug-2018         \$ 3,772 00           Jul-2019         \$ 3,240 00           Jul-2018         \$ 3,772 00           May-2018         \$ 3,452 00           May-2019         \$ 3,452 00           May-2018         \$ 3,400 00           Nov-2018         \$ 3,247 8			
Apr-2018 \$ 2,612 00 Aug-2018 \$ 3,332 00 Dec-2018 \$ 1,996 00 Feb-2019 \$ 2,224 00 Jan-2019 \$ 1,944 00 Jan-2019 \$ 1,944 00 Jan-2019 \$ 3,360 00 Jan-2019 \$ 2,040 00 Mar-2019 \$ 2,040 00 Mar-2019 \$ 2,040 00 Mar-2018 \$ 3,100 00 Nov-2018 \$ 3,100 00 Nov-2018 \$ 3,252 00 Cet-2018 \$ 2,932 00 Sep-2018 \$ 3,552 00 Jan-2019 \$ 3,252 00 Jan-2019 \$ 1,920 00 Jan-20			
Aug-2018       \$ 3,332.00         Dec-2018       \$ 1,996.00         Feb-2019       \$ 2,224.00         Jan-2019       \$ 1,944.00         Jul-2018       \$ 3,600.00         Mar-2019       \$ 2,040.00         Mar-2018       \$ 3,016.00         Nov-2018       \$ 2,042.00         Nov-2018       \$ 2,832.00         Oct-2018       \$ 2,832.00         Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,224.00         Aug-2018       \$ 3,628.00         Dec-2018       \$ 3,628.00         Feb-2019       \$ 2,376.00         Jan-2019       \$ 1,920.00         Jun-2019       \$ 1,920.00         Jun-2018       \$ 3,452.00         Mar-2019       \$ 1,920.00         Mar-2019       \$ 1,980.00         Mar-2018       \$ 3,640.00         Nov-2018	Sep-2018	\$	3,512.00
Aug-2018       \$ 3,332.00         Dec-2018       \$ 1,996.00         Feb-2019       \$ 2,224.00         Jan-2019       \$ 1,944.00         Jul-2018       \$ 3,600.00         Mar-2019       \$ 2,040.00         Mar-2018       \$ 3,016.00         Nov-2018       \$ 2,042.00         Nov-2018       \$ 2,832.00         Oct-2018       \$ 2,832.00         Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,224.00         Aug-2018       \$ 3,628.00         Dec-2018       \$ 3,628.00         Feb-2019       \$ 2,376.00         Jan-2019       \$ 1,920.00         Jun-2019       \$ 1,920.00         Jun-2018       \$ 3,452.00         Mar-2019       \$ 1,920.00         Mar-2019       \$ 1,980.00         Mar-2018       \$ 3,640.00         Nov-2018	Apr-2018	\$	2,612.00
Dec-2018         \$ 1,996,00           Jan-2019         \$ 2,224,00           Jul-2018         \$ 3,360,00           Jun-2019         \$ 3,000,00           Mar-2019         \$ 2,040,00           May-2018         \$ 3,016,00           Nov-2018         \$ 2,832,00           Oct-2018         \$ 2,932,00           Sep-2018         \$ 3,224,00           Apr-2018         \$ 3,552,00           Apr-2018         \$ 3,628,00           Aug-2018         \$ 3,628,00           Lec-2019         \$ 3,628,00           Jun-2019         \$ 2,376,00           Jun-2019         \$ 1,920,00           Mar-2019         \$ 1,920,00           Mar-2019         \$ 1,930,00           Mar-2019         \$ 1,980,00           Mar-2019         \$ 1,932,00           Mar-2018         \$ 3,640,00           Nov-2018         \$ 3,640,00           Sep-2018         \$ 3,640,00		\$	3,332.00
Feb-2019         \$ 2,224 00           Jan-2019         \$ 1,944,00           Jul-2018         \$ 3,60.00           Mar-2019         \$ 2,040,00           May-2018         \$ 3,016.00           Nov-2018         \$ 2,832.00           Oct-2018         \$ 2,932.00           Sep-2018         \$ 3,552.00           Apr-2018         \$ 3,224.00           Aug-2018         \$ 3,628.00           Dec-2018         \$ 3,628.00           Feb-2019         \$ 3,628.00           Jan-2019         \$ 2,376.00           Jul-2018         \$ 3,772.00           Mar-2019         \$ 1,920.00           Mar-2019         \$ 1,920.00           Mar-2018         \$ 3,640.00           May-2018         \$ 3,640.00           Nov-2018         \$ 3,640.00			•
Jan-2019       \$ 1,944 00         Jun-2018       \$ 3,360.00         Mar-2019       \$ 2,040 00         May-2018       \$ 3,016.00         Nov-2018       \$ 2,832.00         Oct-2018       \$ 2,932 00         Sep-2018       \$ 3,224 00         Apr-2018       \$ 3,224 00         Aug-2018       \$ 3,224 00         Apr-2018       \$ 3,628 00         Dec-2018       \$ 2,376 00         Feb-2019       \$ 2,376 00         Jun-2018       \$ 3,772 00         Jun-2018       \$ 3,772 00         Mar-2019       \$ 1,980 00         May-2018       \$ 3,640 00         Nov-2018       \$ 3,640 00         Oct-2018       \$ 3,600 00         Apr-2018       \$ 3,600 00         \$ 3,600 00       \$ 3,600 00         Apr-2018 <td>Feb-2019</td> <td></td> <td>2,224.00</td>	Feb-2019		2,224.00
Jul-2018         \$ 3,360,00           Mar-2019         \$ 2,040,00           May-2018         \$ 3,016,00           Nov-2018         \$ 2,832,00           Oct-2018         \$ 2,932,00           Sep-2018         \$ 3,224,00           Apr-2018         \$ 3,224,00           Aug-2018         \$ 3,628,00           Dee-2018         \$ 3,628,00           Feb-2019         \$ 1,920,00           Jan-2019         \$ 1,920,00           Jul-2018         \$ 3,772,00           Jur-2018         \$ 3,452,00           May-2019         \$ 1,980,00           May-2019         \$ 1,980,00           Nov-2018         \$ 3,640,00           Nov-2018         \$ 2,304,00           Oct-2018         \$ 2,304,00           Sep-2018         \$ 234,78           Dec-2018         \$ 234,78           Sep-2019         \$ 234,78           Jul-2019         \$ 234,78           Jul-2018         \$ 3,600,00           Apr-2018         \$ 234,78           Jul-2019         \$ 117,39           Jul-2018         \$ 324,78           Jul-2019         \$ 117,39           Jul-2018         \$ 352,17           <	Jan-2019		
Jun-2018       \$ 3,100.00         May-2018       \$ 2,040.00         Nov-2018       \$ 2,832.00         Sep-2018       \$ 2,932.00         Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,628.00         Aug-2018       \$ 3,628.00         Dec-2018       \$ 2,196.00         Feb-2019       \$ 2,376.00         Jun-2019       \$ 1,920.00         Jun-2018       \$ 3,772.00         Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 3,640.00         Nov-2018       \$ 3,600.00         Apr-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-201       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.33         Jan-2019       \$ 117.33         Jan-2019       \$ 117.30         Mar-2019       \$ 134.78         Mar-2018       \$ 352.17         Mar-2018       \$ 369.019.78 <td>Jul-2018</td> <td></td> <td>3,360.00</td>	Jul-2018		3,360.00
Mar-2019       \$ 2,040.00         May-2018       \$ 3,016.00         Nov-2018       \$ 2,832.00         Cet-2018       \$ 2,932.00         Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,224.00         Aug-2018       \$ 3,628.00         Dec-2019       \$ 2,196.00         Feb-2019       \$ 2,376.00         Jan-2019       \$ 1,920.00         Jul-2018       \$ 3,772.00         Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,980.00         Mov-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2019       \$ 3,640.00         Apr-2018       \$ 2,304.00         Sep-2018       \$ 234.78         Aug-2018       \$ 234.78         Jul-2019       \$ 3,600.00         Apr-2018       \$ 34.92         Mar-2019       \$ 317.30         Jul-2018       \$ 352.17         Mar-2019       \$ 317.30         Mar-2019       \$ 317.30         Mar-2019       \$ 317.30         Mar-2019       \$ 347.80         Mar-2018       \$ 352.17<	Jun-2018	\$	3,100.00
May-2018       \$ 3,016.00         Nov-2018       \$ 2,832.00         Oct-2018       \$ 2,932.00         Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,224.00         Aug-2018       \$ 3,628.00         Dec-2018       \$ 2,196.00         Feb-2019       \$ 2,376.00         Jan-2019       \$ 1,920.00         Jan-2018       \$ 3,772.00         Jun-2018       \$ 3,772.00         Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,980.00         Cot-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2019       \$ 3,600.00         Apr-2019       \$ 3,600.00         Apr-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 335.17         Jul-2018       \$ 352.17         Mar-2019       \$ 352.17         May-2018       \$ 352.17         May-2019       \$ 352.17         May-2019       \$ 352.17         May-2019       \$ 352.17         May-2018       \$ 352.17         May-2018       \$ 352.17         May-2018       \$ 352.17 <td>Mar-2019</td> <td></td> <td>2,040.00</td>	Mar-2019		2,040.00
Oct-2018       \$ 2,932.00         Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,224.00         Aug-2018       \$ 3,628.00         Dec-2019       \$ 2,376.00         Feb-2019       \$ 1,920.00         Jan-2019       \$ 1,920.00         Jul-2018       \$ 3,772.00         Jun-2018       \$ 3,640.00         Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.33         Jul-2018       \$ 352.17         Jun-2018       \$ 352.17         May-2019       \$ 117.33         May-2019       \$ 117.33         May-2019       \$ 352.17         May-2019       \$ 352.17         May-2019       \$ 352.17         May-2018       \$ 352.17         May-2019       \$ 352.17         May-2018       \$ 352.17         May-2018       \$ 369.019.78	May-2018		3,016.00
Sep-2018       \$ 3,552.00         Apr-2018       \$ 3,224.00         Aug-2018       \$ 3,628.00         Dec-2018       \$ 2,196.00         Feb-2019       \$ 1,920.00         Jan-2019       \$ 1,920.00         Jul-2018       \$ 3,452.00         Mar-2019       \$ 1,980.00         Mar-2019       \$ 1,980.00         Mar-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 234.78         Aug-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 234.78         Feb-2019       \$ 234.78         Jul-2018       \$ 352.17         Mar-2019       \$ 117.33         May-2018       \$ 352.17         May-2019       \$ 117.34         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Apr-2018       \$ 369.019.78         Aug-2018       \$	Nov-2018		2,832.00
Apr-2018 \$ 3,224.00 Aug-2018 \$ 3,628.00 Dec-2018 \$ 2,376.00 Feb-2019 \$ 2,376.00 Jul-2018 \$ 1,920.00 Jul-2018 \$ 3,452.00 Mar-2019 \$ 3,452.00 Mar-2019 \$ 1,980.00 May-2018 \$ 3,640.00 Nov-2018 \$ 1,932.00 Oct-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Apr-2018 \$ 3,600.00 Apr-2019 \$ 3,400.00 Apr-2018 \$ 3,400.00 Apr-2018 \$ 3,400.00 Apr-2018 \$ 3,600.00 Apr-2018 \$ 3,600.00 Apr-2018 \$ 3,600.00 Apr-2018 \$ 3,600.00 Apr-20	Oct-2018	\$	2,932.00
Aug-2018 \$ 3,628.00 Dec-2018 \$ 2,196.00 Feb-2019 \$ 2,376.00 Jan-2019 \$ 1,920.00 Jul-2018 \$ 3,452.00 Aug-2019 \$ 1,980.00 Aug-2019 \$ 1,980.00 Aug-2019 \$ 1,980.00 Nov-2018 \$ 1,932.00 Cot-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Apr-2018 \$ 3,600.00 Apr-2019 \$ 3,600.00 Apr-2019 \$ 3,600.00 Apr-2018 \$ 3,600.00 Apr-2019 \$ 3,000.00 Apr-2018 \$ 3,000.00 Apr-20	Sep-2018	\$	3,552.00
Aug-2018 \$ 3,628.00 Dec-2018 \$ 2,196.00 Feb-2019 \$ 2,376.00 Jan-2019 \$ 1,920.00 Jul-2018 \$ 3,452.00 Aug-2018 \$ 3,452.00 Aug-2019 \$ 1,980.00 Avy-2018 \$ 1,930.00 Nov-2018 \$ 1,932.00 Cct-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Sep-2018 \$ 2,304.00 Apr-2018 \$ 3,600.00 Apr-2019 \$ 3,000.00 Apr-2018 \$ 3,000.00 Apr-2019 \$ 3,000.00 Apr-20	Apr-2018	\$	3 224 00
Dec-2018       \$ 2,196.00         Feb-2019       \$ 2,376.00         Jan-2018       \$ 1,920.00         Jul-2018       \$ 3,452.00         Mar-2019       \$ 1,980.00         Mar-2018       \$ 3,640.00         Nov-2018       \$ 3,640.00         Nov-2018       \$ 2,304.00         Sep-2018       \$ 2,304.00         Sep-2018       \$ 234.78         Aug-2018       \$ 469.50         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 352.17         Jul-2018       \$ 352.17         Mar-2019       \$ 352.17         Nov-2018       \$ 369.019.78         Sep-2018       \$ 340.00         Sep-2019       \$ 343.229.34         Nov-2018       \$ 340.00         Sep-2019       \$ 343.229.34         Nov-2018       \$ 340.00         Sep-2019       \$ 343.229.34		\$	•
Feb-2019       \$ 2,376.00         Jan-2019       \$ 1,920.00         Jun-2018       \$ 3,772.00         Jun-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 234.78         Aug-2018       \$ 234.78         Feb-2019       \$ 234.78         Feb-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2018       \$ 352.17         Mar-2019       \$ 117.35         Jun-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 234.78         Sep-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 333,669.24         Dec-2018       \$ 333,669.24         Sep-2019       \$ 343,329.34         Jan-2019       \$ 343,229.34         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2019       \$ 343,329.34         Jan-2019			
Jan-2019       \$ 1,920.00         Jul-2018       \$ 3,772.00         Jun-2019       \$ 1,980.00         Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jun-2019       \$ 117.39         Jul-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         May-2018       \$ 352.17         Oct-2018       \$ 234.78         Sep-2018       \$ 369.019.78         Aug-2018       \$ 369.019.78         Aug-2018       \$ 369.019.78         Aug-2018       \$ 369.019.78         Aug-2018       \$ 333,069.24         Dec-2018       \$ 343,229.34         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Sep-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018 </td <td></td> <td></td> <td></td>			
Jul-2018       \$ 3,772.00         Jun-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jun-2019       \$ 117.35         Jul-2018       \$ 352.17         Mar-2019       \$ 117.35         Mar-2019       \$ 117.35         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 324.78         Sep-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 343,229.34         Bec-2019       \$ 343,229.34         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Sep-2018       \$ 343,229.34         Sep-2019       \$ 343,229.34         Sep-2019 </td <td></td> <td></td> <td></td>			
Jun-2018       \$ 3,452.00         Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jun-2019       \$ 117.39         Jul-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Apr-2018       \$ 344,326.06         Feb-2019       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76			
Mar-2019       \$ 1,980.00         May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.33         Jul-2018       \$ 352.17         May-2018       \$ 352.17         May-2018       \$ 352.17         Mov-2018       \$ 352.17         Oct-2018       \$ 234.78         Sep-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 344,326.06         Bec-2019       \$ 343,229.34         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34	Jun-2018		
May-2018       \$ 3,640.00         Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.35         Jul-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 343,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34			
Nov-2018       \$ 1,932.00         Oct-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.35         Jul-2018       \$ 352.17         Mar-2019       \$ 117.35         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 234.78         Sep-2018       \$ 369,019.78         Apr-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2019       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Sep-2019       \$ 343,229.34         Aug-2019       \$ 343,229.34         Sep-2019       \$ 343,229.34         Sep-2019       \$ 300,865.76	May-2018		3,640.00
Oct-2018       \$ 2,304.00         Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34	Nov-2018		1,932.00
Sep-2018       \$ 3,600.00         Apr-2018       \$ 234.78         Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Oct-2018		
Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Jun-2019       \$ 117.39         May-2019       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Sep-2018		3,600.00
Aug-2018       \$ 469.56         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Jun-2019       \$ 117.39         May-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 369,019.78         Aug-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Apr-2018	•	234 78
Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76			
Feb-2019       \$ 234.78         Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Jun-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76			
Jan-2019       \$ 117.39         Jul-2018       \$ 352.17         Jun-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76			
Jul-2018       \$ 352.17         Jun-2018       \$ 352.17         Mar-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76		\$	
Jun-2018       \$       352.17         Mar-2019       \$       117.39         May-2018       \$       352.17         Nov-2018       \$       234.78         Oct-2018       \$       234.78         Sep-2018       \$       352.17         Apr-2018       \$       369,019.78         Aug-2018       \$       323,069.24         Dec-2018       \$       344,326.06         Feb-2019       \$       343,229.34         Jan-2019       \$       300,865.76			
Mar-2019       \$ 117.39         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Jun-2018	\$	
May-2018       \$       352.17         Nov-2018       \$       234.78         Oct-2018       \$       234.78         Sep-2018       \$       352.17         Apr-2018       \$       369,019.78         Aug-2018       \$       323,069.24         Dec-2018       \$       344,326.06         Feb-2019       \$       343,229.34         Jan-2019       \$       300,865.76	Mar-2019		
Nov-2018       \$ 234.78         Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	May-2018	\$	
Oct-2018       \$ 234.78         Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Nov-2018		
Sep-2018       \$ 352.17         Apr-2018       \$ 369,019.78         Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76		\$	234.78
Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Sep-2018		352.17
Aug-2018       \$ 323,069.24         Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76	Apr-2018	•	360 010 79
Dec-2018       \$ 344,326.06         Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76		<b>5</b>	
Feb-2019       \$ 343,229.34         Jan-2019       \$ 300,865.76		<b>D</b>	
Jan-2019 \$ 300,865.76			
	Jul-2018	\$ \$	378,491.88

Counterparty and Payment Dates		REC Cost
Jun-2018	\$	687,791.52
Mar-2019	\$	381,237.50
May-2018	\$	3,786.64
Nov-2018	\$	244,152.22
Oct-2018	\$	356,632.64
Sep-2018	\$	337,699.44
	<u> </u>	
Apr-2018	\$	32,940.00
Aug-2018	\$	8,775.00
Dec-2018	\$	14,715.00
Feb-2019	\$	8,085.00
Jan-2019	\$	2,160.00
Jul-2018	\$	11,490.00
Jun-2018	\$	21,765.00
Mar-2019	\$	12,420.00
May-2018	\$	23,040.00
Nov-2018	\$	6,255.00
Oct-2018	\$	6,225.00
Sep-2018	\$	17,310.00
	<u> </u>	17,510.00
Apr-2018	\$	234.78
Aug-2018	\$	352.17
Dec-2018	\$	234.78
Feb-2019	\$	117.39
Jan-2019	\$	117.39
Jul-2018	\$	469.56
Jun-2018	\$	352.17
Mar-2019	\$	234.78
May-2018	\$	352.17
Nov-2018	\$	352.17
Oct-2018		352.17
	\$ \$	
Sep-2018	\$	469.56
Sep-2018	\$	469.56
Sep-2018 Apr-2018	\$	469.56 352.17
Sep-2018 Apr-2018 Aug-2018	\$ \$ \$	352.17 352.17
Apr-2018 Aug-2018 Dec-2018	\$ \$ \$ \$	352.17 352.17 234.78
Apr-2018 Aug-2018 Dec-2018 Feb-2019	\$ \$ \$ \$ \$	352.17 352.17 352.17 234.78 234.78
Apr-2018 Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019	\$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78
Apr-2018 Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jun-2019 Jul-2018	\$ \$ \$ \$ \$ \$ \$	469.56 352.17 352.17 234.78 234.78 234.78 469.56
Sep-2018 Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17
Apr-2018 Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 352.17 234.78 234.78 469.56 352.17 234.78
Sep-2018  Apr-2018  Aug-2018  Dec-2018  Feb-2019  Jan-2019  Jul-2018  Jun-2018  Mar-2019  May-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17
Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78
Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78
Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78
Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	469.56 352.17 352.17 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56
Apr-2018 Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018 Apr-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	469.56 352.17 352.17 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56
Sep-2018  Apr-2018  Aug-2018  Dec-2018  Feb-2019  Jan-2019  Jul-2018  Jun-2018  Mar-2019  May-2018  Nov-2018  Oct-2018  Sep-2018  Apr-2018  Aug-2018  Aug-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	469.56 352.17 352.17 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00
Sep-2018  Apr-2018  Aug-2018  Dec-2018  Feb-2019  Jan-2019  Jul-2018  Jun-2018  Mar-2019  May-2018  Nov-2018  Oct-2018  Sep-2018  Apr-2018  Apr-2018  Aug-2018  Dec-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Apr-2018 Feb-2019	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	469.56 352.17 352.17 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Apr-2018 Feb-2019 Jan-2019 Jan-2019	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	469.56 352.17 352.17 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Apr-2018 Feb-2019 Jan-2019 Jul-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Apr-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2019 Jul-2018 Jun-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 3,492.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Apr-2018 Feb-2019 Jan-2019 Jul-2018 Feb-2019 Jul-2018 Jun-2019	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 2,024.00 2,024.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2019 Jul-2018 Jun-2018 Mar-2019 May-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 3,492.00 2,024.00 3,568.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 3,492.00 2,024.00 3,568.00 2,944.00
Sep-2018  Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018  Apr-2018 Apr-2018 Apr-2018 Jun-2019 Jul-2018 Jun-2019 Jul-2018 Jun-2019 Jul-2018 Jun-2019 May-2018 May-2018 Oct-2018 Oct-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 3,492.00 2,024.00 3,568.00 2,944.00 2,936.00
Apr-2018 Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oet-2018 Sep-2018 Apr-2018 Apr-2018 Apr-2018 Jun-2018 Jun-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2019 Jul-2018 May-2018 Nov-2018 Nov-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 3,492.00 2,024.00 3,568.00 2,944.00
Apr-2018 Aug-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2018 Mar-2019 May-2018 Nov-2018 Oct-2018 Sep-2018 Apr-2018 Apr-2018 Jun-2018 Apr-2018 Apr-2018 Apr-2018 Apr-2018 Dec-2018 Feb-2019 Jan-2019 Jul-2018 Jun-2019 Jul-2018 Mar-2019 May-2018 Nov-2018 Nov-2018 Oct-2018	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	352.17 352.17 234.78 234.78 234.78 469.56 352.17 234.78 352.17 234.78 352.17 469.56 3,176.00 3,644.00 2,232.00 2,432.00 1,980.00 3,732.00 3,492.00 2,024.00 3,568.00 2,944.00 2,936.00

Counterparty and Payment Dates		REC Cost
Aug-2018	\$ \$	1,056.00
Dec-2018 Feb-2019	\$ \$	855.00
Jan-2019	\$ \$	585.00 666.00
Jul-2018	\$ \$	1,068.00
Jun-2018	\$	1,023.00
Mar-2019	\$	771.00
May-2018	\$	1,050.00
Nov-2018	\$	723.00
Oct-2018	\$	1,176.00
Sep-2018	\$	963.00
Apr-2018	\$	3,365.00
Aug-2018	\$	3,515.00
Dec-2018	\$	2,260.00
Feb-2019	\$	2,240.00
Jan-2019	\$	2,020.00
Jul-2018	\$	3,930.00
Jun-2018	\$	3,560.00
Mar-2019	\$	2,175.00
May-2018	\$	3,920.00
Nov-2018	\$	3,130.00
Oct-2018	\$	2,760.00
Sep-2018	\$	3,740.00
2010		1.740.00
Apr-2018	\$	1,740.00
Aug-2018	<b>`</b>	1,980.00
Dec-2018	\$	1,128.00
Feb-2019 Jan-2019	\$ \$	1,252.00
Jul-2018	\$	812.00 2,152.00
Jun-2018	\$	2,132.00
Mar-2019	\$	1,148.00
May-2018	\$	2,120.00
Nov-2018	\$	1,628.00
Oct-2018	\$	1,412.00
Sep-2018	\$	2,080.00
		,
Apr-2018	\$	4,055.00
Aug-2018	\$	4,220.00
Dec-2018	\$	2,435.00
Feb-2019	\$	2,890.00
Jan-2019	\$	2,020.00
Jul-2018	\$	4,660.00
Jun-2018	\$	4,175.00
Mar-2019	\$	2,590.00
May-2018	\$	4,600.00
Nov-2018	\$	3,765.00
Oct-2018	\$	3,415.00
Sep-2018	\$	4,355.00
Apr-2018	\$	555.75
Aug-2018	\$	814.50
Dec-2018	\$	603.00
Feb-2019	\$	533.25
Jan-2019	\$	506.25
Jul-2018	\$	839.25
Jun-2018	\$	810.00
Jun-2018 Mar-2019	\$ \$	810.00 630.00

Redacted Version Payne Exhibit No. 1, Appendix 1 June 11, 2019

Counterparty and Payment Dates		REC Cost
Nov-2018	\$	643.50
Oct-2018	\$	810.00
Sep-2018	\$	738.00
Apr-2018	\$	3,264.00
Aug-2018	\$	3,704.00
Dec-2018	\$	2,276.00
Feb-2019	\$	2,492.00
Jan-2019	\$	2,032.00
Jul-2018	\$	3,896.00
Jun-2018	\$	3,492.00
Mar-2019	\$	2,116.00
May-2018	\$	3,680.00
Nov-2018	\$	3,060.00
Oct-2018	\$	2,620.00
Sep-2018	\$	3,756.00
Apr-2018	\$	117.39
Aug-2018	\$	117.39
Dec-2018	\$	117.39
Feb-2019	\$	117.39
Jul-2018	\$	234.78
Jun-2018	\$	117.39
May-2018	\$	117.39
Nov-2018	\$	234.78
Sep-2018	<u> </u>	117.39
Apr-2018	\$	895.00
Aug-2018	\$	170.00
Dec-2018	\$	940.00
Feb-2019	\$	1,245.00
Jan-2019	\$	1,000.00
Jul-2018	\$	280.00
Jun-2018	\$	755.00
Mar-2019	\$	955.00
May-2018	\$	850.00
Nov-2018	\$	550.00
Oct-2018	\$	480.00
Sep-2018	\$	785.00
A 2019	<b>¢</b>	73.43
Apr-2018 Aug-2018	<b>\$</b> \$	146.86
Jan-2019	\$	73.43
Jul-2018	\$ \$	73.43
Jun-2018	\$	73.43
Mar-2019	\$	73.43
May-2018	\$	73.43
Nov-2018	\$	73.43
Oct-2018	\$	73.43
Sep-2018	\$	73.43
•		
Apr-2018	\$ \$	3,164.00
Aug-2018	\$	3,608.00
Dec-2018	\$	2,176.00
Feb-2019	\$	2,336.00
Jan-2019	\$	1,884.00
Jul-2018	\$	3,728.00
Jun-2018	\$	3,600.00
Mar-2019	\$	1,984.00
May-2018	\$	3,644.00

Dec-2018   \$ 2,868.00	Counterparty and Payment Dates		REC Cost
Sep-2018         \$ 3,696.00           Apr-2018         \$ 1,195.00           Aug-2018         \$ 1,970.00           Dec-2018         \$ 1,630.00           Jua-2019         \$ 2,290.00           Mar-2019         \$ 1,175.00           Mar-2019         \$ 1,175.00           Mar-2018         \$ 1,585.00           Oct-2018         \$ 1,585.00           Oct-2018         \$ 1,585.00           Oct-2018         \$ 1,716.75           Apr-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Dec-2018         \$ 1,716.75           Dec-2018         \$ 1,716.75           Dec-2018         \$ 1,716.75           Dec-2018         \$ 1,716.75           Jul-2018         \$ 1,719.00           Mar-2019         \$ 1,022.25           Jul-2018         \$ 1,719.00           Mar-2019         \$ 1,022.25           Mar-2019         \$ 1,022.25           Mar-2018         \$ 1,585.00           May-2018         \$ 1,585.00           Oct-2018         \$ 1,426.00           Sep-2018         \$ 1,714.50           Mar-2019         \$ 1,688.75           Qual-2018         \$ 1,714.50	Nov-2018	\$	2,892.00
Apr-2018 Aug-2018 Dec-2018 S 1,970.00 Dec-2018 S 1,970.00 Dec-2018 S 1,970.00 Dec-2018 S 1,200.00 Dul-2018 S 2,200.00 Dul-2018 S 3,450.00 Dec-2018 S 1,715.00 Dec-2018 S 1,716.75 Dec-2018 S 1,721.00 Dec-2018 Dec-2	Oct-2018		
Aug. 2018         \$ 1,970.00           Dec-2018         \$ 1,630.00           Jan-2019         \$ 2,390.00           Jul-2018         \$ 2,200.00           May-2018         \$ 3,450.00           Nov-2018         \$ 1,758.00           Nov-2018         \$ 1,930.00           Nov-2018         \$ 1,930.00           Nov-2018         \$ 1,716.75           Apr-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Aug-2018         \$ 1,721.50           Pet-2019         \$ 1,221.50           Jan-2019         \$ 1,082.25           Jul-2018         \$ 1,728.00           Mar-2019         \$ 1,082.25           Jul-2018         \$ 1,728.00           Mar-2019         \$ 1,928.25           May-2018         \$ 1,728.00           Nov-2018         \$ 1,962.00           Nov-2018         \$ 1,962.00           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,689.75           May-2018         \$ 1,689.75	Sep-2018	\$	3,696.00
Aug. 2018         \$ 1,970.00           Dec-2018         \$ 1,630.00           Jan-2019         \$ 2,390.00           Jul-2018         \$ 2,200.00           May-2018         \$ 3,450.00           Nov-2018         \$ 1,758.00           Nov-2018         \$ 1,930.00           Nov-2018         \$ 1,930.00           Nov-2018         \$ 1,716.75           Apr-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Aug-2018         \$ 1,721.50           Pet-2019         \$ 1,221.50           Jan-2019         \$ 1,082.25           Jul-2018         \$ 1,728.00           Mar-2019         \$ 1,082.25           Jul-2018         \$ 1,728.00           Mar-2019         \$ 1,928.25           May-2018         \$ 1,728.00           Nov-2018         \$ 1,962.00           Nov-2018         \$ 1,962.00           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,714.50           Nov-2018         \$ 1,689.75           May-2018         \$ 1,689.75	0010	Φ.	1 105 00
Dec-2018         \$ 1,630.00           Jan-2019         \$ 2,390.00           Mar-2019         \$ 1,175.00           Mar-2018         \$ 3,450.00           Nov-2018         \$ 1,585.00           Oct-2018         \$ 1,930.00           Sep-2018         \$ 1,716.70           Apr-2018         \$ 1,716.70           Apr-2018         \$ 1,716.70           Aug-2018         \$ 1,764.00           Dec-2018         \$ 1,726.00           Pec-2019         \$ 1,201.50           Feb-2019         \$ 1,201.50           Jul-2018         \$ 1,728.00           Mar-2019         \$ 1,928.25           Jul-2018         \$ 1,928.25           Jul-2018         \$ 1,928.25           Nov-2018         \$ 1,928.20           Nov-2018         \$ 1,608.75           Oct-2018         \$ 1,608.75           Oct-2018         \$ 1,714.50           Apr-2018         \$ 1,714.50           Aug-2019         \$ 1,269.00           Jan-2019         \$ 1,269.00			
Jan-2019   \$ 2,390.00   Mar-2019   \$ 2,290.00   Mar-2019   \$ 1,175.00   May-2018   \$ 3,450.00   May-2018   \$ 1,175.00   \$ 1,255.00   May-2018   \$ 1,950.00   May-2018   \$ 1,950.00   May-2018   \$ 1,950.00   May-2018   \$ 1,716.75   May-2018   \$ 1,716.75   May-2018   \$ 1,716.75   May-2018   \$ 1,716.75   May-2019   \$ 1,201.50   May-2019   \$ 1,201.50   May-2019   \$ 1,082.25   May-2018   \$ 1,728.00   May-2018   \$ 1,082.25   May-2018   \$ 1,082.25   May-2018   \$ 1,688.75   May-2018   \$ 1,714.50   May-2018   \$ 1,688.75   May-2018   \$ 1,714.50   May-2018   \$ 1,		<b>\$</b>	·
Jul-2018         \$ 2,200 00           Mary-2019         \$ 1,175 00           Nov-2018         \$ 3,450 00           Nov-2018         \$ 1,930 00           Sep-2018         \$ 1,795 00           Apr-2018         \$ 1,716 75           Apr-2018         \$ 1,716 75           Aug-2018         \$ 1,764 00           Dec-2018         \$ 1,20 150           Feb-2019         \$ 1,20 150           Jan-2019         \$ 1,20 150           Jan-2019         \$ 1,082 25           Jul-2018         \$ 1,728 00           Mar-2019         \$ 965 25           May-2018         \$ 1,728 00           Nov-2018         \$ 1,608 75           Oct-2018         \$ 1,608 75           Sep-2018         \$ 1,608 75           Apr-2018         \$ 1,714 50           Aug-2018         \$ 1,714 50           Dec-2018         \$ 1,714 50           Feb-2019         \$ 1,608 75           Jul-2018         \$ 1,714 50           Jul-2018         \$ 1,714 50           Jul-2018         \$ 1,935 50           Jul-2018         \$ 1,935 50           Jul-2018         \$ 1,945 50           Jul-2018         \$ 1,945 50			•
Mar-2019         \$ 1,175.00           Nov-2018         \$ 3,450.00           Nov-2018         \$ 1,585.00           Oct-2018         \$ 1,900.00           Sep-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Loc-2018         \$ 1,716.75           Aug-2018         \$ 1,721.05           Dec-2018         \$ 1,201.50           Jan-2019         \$ 1,022.25           Jun-2019         \$ 1,022.25           Mar-2019         \$ 1,022.25           Jun-2018         \$ 1,728.00           Mar-2019         \$ 1,022.25           Mar-2019         \$ 1,022.25           Mar-2018         \$ 1,728.00           Mar-2018         \$ 1,728.00           Nov-2018         \$ 1,692.00           Sep-2018         \$ 1,399.50           Sep-2018         \$ 1,719.00           Loc-2018         \$ 1,492.00           Loc-2019         \$ 1,269.00           Loc-2018         \$ 1,719.00           Loc-2019         \$ 1,269.00           Loc-2019         \$ 1,269.00           Loc-2019         \$ 1,269.00           Loc-2019         \$ 1,040.00           Loc-2019         \$ 1,040.00			·
May-2018         \$ 3,450 00           Nov-2018         \$ 1,585 00           Oct-2018         \$ 1,930 00           Sep-2018         \$ 1,716 75           Apr-2018         \$ 1,716 75           Apr-2018         \$ 1,716 75           Aug-2018         \$ 1,764 00           Dec-2018         \$ 1,201 50           Feb-2019         \$ 1,201 50           Jul-2018         \$ 1,928 25           Jul-2018         \$ 1,728 00           Mar-2019         \$ 965 25           May-2018         \$ 1,728 00           May-2018         \$ 1,608 75           Nov-2018         \$ 1,608 75           Nov-2018         \$ 1,599 50           Sep-2018         \$ 1,714 50           Aug-2018         \$ 1,714 50           Dec-2018         \$ 1,714 50           Sep-2018         \$ 1,714 50           Jun-2019         \$ 1,269 00           Jun-2019         \$ 1,269 00           Jun-2019         \$ 1,269 00           Jun-2018         \$ 1,714 50           Jun-2019         \$ 1,040 00           Jun-2019         \$ 1,040 00           Jun-2019         \$ 1,034 00           Jun-2019         \$ 1,034 00			•
Nov-2018         \$ 1,585.00           Cer-2018         \$ 1,990.00           Sep-2018         \$ 1,716.75           Aug-2018         \$ 1,716.75           Cer-2018         \$ 1,764.00           Sep-2019         \$ 1,716.75           Lar-2019         \$ 1,201.50           Lar-2019         \$ 1,082.25           Jun-2018         \$ 1,728.00           Mar-2019         \$ 1,928.25           May-2018         \$ 1,928.25           May-2018         \$ 1,962.00           Nov-2018         \$ 1,962.00           Nov-2018         \$ 1,845.00           Sep-2018         \$ 1,719.00           Apr-2018         \$ 1,719.00           Apr-2018         \$ 1,719.00           Aug-2018         \$ 1,719.00           Dec-2018         \$ 1,645.00           Sep-2018         \$ 1,645.00           Jun-2019         \$ 1,645.00           Jun-2019         \$ 1,044.00           Jun-2018         \$ 1,044.00           May-2018         \$ 1,044.00           Jun-2019         \$ 1,044.00           May-2018         \$ 1,044.00           May-2018         \$ 1,044.00           Nov-2018         \$ 1,044.00			
Oct-2018         \$ 1,930.00           Sep-2018         \$ 2,125.00           Apr-2018         \$ 1,764.00           Dec-2018         \$ 1,764.00           Dec-2018         \$ 1,210.50           Feb-2019         \$ 1,081.20           Jan-2019         \$ 1,082.25           Jul-2018         \$ 1,928.25           Jun-2019         \$ 965.25           Mar-2019         \$ 965.25           May-2018         \$ 1,962.00           Nov-2018         \$ 1,962.00           Nov-2018         \$ 1,608.75           Oct-2018         \$ 1,714.50           Sep-2018         \$ 1,714.50           Apr-2018         \$ 1,714.50           Aug-2018         \$ 1,714.50           Jun-2019         \$ 1,608.75           Jul-2018         \$ 1,714.50           Jun-2019         \$ 1,609.75           Jun-2019         \$ 1,609.00           Jun-2019         \$ 1,609.00           Jun-2018         \$ 1,609.00           Jun-2018         \$ 1,609.00           Jun-2018         \$ 1,609.00           Jun-2018         \$ 1,009.00           Jun-2018         \$ 1,009.00           Jun-2018         \$ 1,009.00	•		
Sep-2018         \$ 2,125.00           Apr-2018         \$ 1,716.75           Aug-2018         \$ 1,764.00           Dec-2019         \$ 1,201.50           Feb-2019         \$ 1,201.50           Jur-2019         \$ 1,082.25           Jul-2018         \$ 1,728.00           Mar-2019         \$ 965.25           May-2018         \$ 1,728.00           Nov-2018         \$ 1,608.75           Cet-2018         \$ 1,608.75           Sep-2018         \$ 1,714.50           Apr-2018         \$ 1,714.50           Aug-2018         \$ 1,714.50           Aug-2018         \$ 1,714.50           Aug-2018         \$ 1,714.50           Aug-2018         \$ 1,719.00           Dec-2018         \$ 1,719.00           Jul-2019         \$ 1,269.00           Jur-2019         \$ 1,269.00           Jur-2018         \$ 1,800.00           May-2019         \$ 1,935.00           May-2018         \$ 1,944.20           Nov-2018         \$ 1,949.00           May-2018         \$ 1,949.00           Nov-2018         \$ 1,949.00           Nov-2018         \$ 1,949.00           May-2018         \$ 1,949.00			•
Apr-2018 \$ 1,716.75 Aug-2018 \$ 1,764.00 Dec-2018 \$ 1,201.50 Feb-2019 \$ 1,201.50 Jan-2019 \$ 1,082.25 Jul-2018 \$ 1,928.25 Jul-2018 \$ 1,728.00 Mar-2019 \$ 1,928.25 Jul-2018 \$ 1,728.00 Mar-2019 \$ 965.25 May-2018 \$ 1,608.75 Oct-2018 \$ 1,608.75 Oct-2018 \$ 1,399.50 Sep-2018 \$ 1,394.50 Apr-2018 \$ 1,714.80 Apr-2018 \$ 1,714.90 Jan-2019 \$ 1,044.00 Jul-2018 \$ 1,163.25 Feb-2019 \$ 1,044.00 Jul-2018 \$ 1,609.75 May-2019 \$ 1,044.00 Jul-2018 \$ 1,809.00 Jun-2019 \$ 1,044.00 Jul-2018 \$ 1,093.50 May-2018 \$ 1,093.50 May-2019 \$ 1,093.50 May-2018 \$ 1,093.50 May-2018 \$ 1,093.50 May-2018 \$ 1,093.50 May-2018 \$ 2,068.60 May-2018 \$ 1,093.50 May-2019			
Aug. 2018       \$ 1,764.00         Dec-2018       \$ 1,210.50         Feb-2019       \$ 1,201.50         Jan-2019       \$ 1,082.25         Jul-2018       \$ 1,728.00         Mar-2019       \$ 65.25         Jun-2018       \$ 1,728.00         May-2018       \$ 1,608.75         Nov-2018       \$ 1,608.75         Set-2018       \$ 1,608.75         Set-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Aug. 2018       \$ 1,714.50         Aug. 2018       \$ 1,719.00         Dec-2018       \$ 1,719.00         Jan-2019       \$ 1,608.75         Jul-2018       \$ 1,609.75         Mar-2019       \$ 1,609.75         Mar-2019       \$ 1,609.05         May-2018       \$ 1,693.75         Nov-2018       \$ 1,933.50         Nov-2018       \$ 1,933.50         Nov-2018       \$ 1,933.50         Nov-2018       \$ 1,934.50         Nov-2018       \$ 1,773.00         Aug-2018       \$ 1,034.30         Jul-2019       \$ 1,034.30         Jul-2018       \$ 103.43         Nov-2018       \$ 103.43         Oct-2018			
Dec-2018         \$ 1,201.50           Jan-2019         \$ 1,201.50           Jan-2018         \$ 1,928.25           Jun-2018         \$ 1,728.00           Mar-2019         \$ 65.25           May-2018         \$ 1,608.75           Nov-2018         \$ 1,608.75           Oct-2018         \$ 1,399.50           Sep-2018         \$ 1,714.50           Apr-2018         \$ 1,714.50           Aug-2018         \$ 1,719.00           Dec-2018         \$ 1,719.00           Sep-2019         \$ 1,608.75           Jan-2019         \$ 1,699.00           Jul-2018         \$ 1,699.00           Mar-2019         \$ 1,699.00           Mar-2019         \$ 1,044.00           Jul-2018         \$ 1,699.00           Mar-2019         \$ 1,699.00           Mar-2019         \$ 1,699.75           Mar-2018         \$ 1,699.75		\$	
Feb-2019         \$ 1,201.50           Jun-2019         \$ 1,082.25           Jun-2018         \$ 1,728.00           Mar-2019         \$ 65.25           Mar-2019         \$ 1,608.75           Mar-2018         \$ 1,608.75           Nov-2018         \$ 1,608.75           Cet-2018         \$ 1,399.50           Sep-2018         \$ 1,714.50           Apr-2018         \$ 1,719.00           Lec-2018         \$ 1,719.00           Dec-2018         \$ 1,608.75           Feb-2019         \$ 1,608.75           Jun-2019         \$ 1,608.75           Jul-2018         \$ 1,608.75           Mar-2019         \$ 1,609.00           Jun-2018         \$ 1,608.75           Mar-2019         \$ 1,609.75           Mar-2019         \$ 1,609.75           Mar-2019         \$ 1,609.75           Mar-2019         \$ 1,609.75           May-2018         \$ 1,609.75           Nov-2018         \$ 1,609.75           Oct-2018         \$ 1,709.00           Sep-2018         \$ 1,609.75           Aug-2018         \$ 1,044.00           Jun-2019         \$ 1,044.00           Jun-2018         \$ 1,044.00			
Jan-2019       \$ 1,082.25         Jun-2018       \$ 1,728.00         Mar-2019       \$ 65.25         Nov-2018       \$ 1,608.75         Oct-2018       \$ 1,698.75         Oct-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,609.75         Feb-2019       \$ 1,699.75         Jan-2019       \$ 1,690.00         Jun-2018       \$ 1,699.75         Mar-2019       \$ 1,699.75         May-2018       \$ 1,981.50         Nov-2018       \$ 1,948.50         Oct-2018       \$ 1,948.50         Aug-2018       \$ 1,948.50         Aug-2018       \$ 1,949.50         Aug-2018       \$ 103.43         Aug-2018       \$ 103.43         Mar-2019       <			
Jul-2018       \$ 1,928.05         Jun-2018       \$ 1,728.00         Mar-2019       \$ 65.25         May-2018       \$ 1,962.00         Nov-2018       \$ 1,399.50         Sep-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,714.50         Lec-2018       \$ 1,719.00         Dec-2018       \$ 1,63.25         Feb-2019       \$ 1,689.75         Jan-2019       \$ 1,044.00         Jul-2018       \$ 1,800.00         Jun-2018       \$ 1,689.75         May-2019       \$ 1,093.50         May-2019       \$ 1,093.50         May-2018       \$ 1,442.25         Oct-2018       \$ 1,773.00         Aug-2018       \$ 1,291.50         Sep-2018       \$ 103.43         Jul-2018       \$ 206.86         May-2018       \$ 206.86         Nov-2018       \$ 206.80         May-2019       \$ 103.43         Jul-2018       \$ 206.80         May-2019       \$ 206.80         May-2018       \$ 206.80         Nov-2018       \$ 206.80         May-2019       \$ 206.80         May-2018       \$ 206.80			
Jun-2018       \$ 1,728.00         Mar-2019       \$ 965.25         May-2018       \$ 1,608.75         Nov-2018       \$ 1,608.75         Oct-2018       \$ 1,399.50         Sep-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,163.25         Feb-2019       \$ 1,608.75         Jan-2019       \$ 1,800.00         Jun-2018       \$ 1,800.00         Mar-2019       \$ 1,800.00         Mar-2019       \$ 1,948.50         May-2018       \$ 1,948.50         Mov-2018       \$ 1,948.50         Sep-2018       \$ 1,948.50         Aug-2018       \$ 1,948.50         Dec-2018       \$ 1,947.50         Jun-2019       \$ 1,948.50         Jun-2018       \$ 1,948.50         Mar-2019       \$ 1,948.50         Jun-2018       \$ 1,948.50         Jun-2019       \$ 1,948.50         Jun-2019       \$ 103.43         Jun-2019       \$ 103.43         May-2018       \$ 103.43         May-2018       \$ 103.43         May-2018       \$ 103.43         May-2018       \$			
Mar-2019       \$ 965.25         May-2018       \$ 1,662.00         Nov-2018       \$ 1,608.75         Oct-2018       \$ 1,399.50         Sep-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,163.25         Feb-2019       \$ 1,269.00         Jan-2019       \$ 1,269.00         Jul-2018       \$ 1,800.00         May-2018       \$ 1,980.00         May-2018       \$ 1,948.50         Nov-2018       \$ 1,948.50         Nov-2018       \$ 1,948.50         Sep-2018       \$ 1,948.50         Aug-2018       \$ 1,948.50         Sep-2018       \$ 1,948.50         Aug-2018       \$ 1,948.50         Sep-2018       \$ 103.43         Jun-2019       \$ 103.43         Jun-2019       \$ 103.43         Jun-2018       \$ 103.43         Jun-2018       \$ 103.43         Jun-2018       \$ 103.43         Jun-2018       \$ 10			
May-2018       \$ 1,962.00         Nov-2018       \$ 1,608.75         Cet-2018       \$ 1,399.50         Sep-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,669.00         Jan-2019       \$ 1,044.00         Jul-2018       \$ 1,800.00         Jul-2018       \$ 1,800.00         Jul-2018       \$ 1,689.75         Mar-2019       \$ 1,093.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,773.00         Aug-2018       \$ 1,291.50         Sep-2018       \$ 1,034.30         Jul-2018       \$ 103.43         Dec-2018       \$ 103.43         Jul-2019       \$ 103.43         Jul-2018       \$ 206.86         Jul-2018       \$ 206.86         Jul-2018       \$ 206.86         Nov-2018       \$ 206.86         Nov-2019       \$ 103.43         Sep-2018       \$ 206.86         Nov-2018       \$ 206.86			
Nov-2018       \$ 1,698.75         Oct-2018       \$ 1,399.50         Sep-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Apr-2018       \$ 1,714.50         Dec-2018       \$ 1,714.50         Feb-2019       \$ 1,632.25         Feb-2019       \$ 1,269.00         Jun-2018       \$ 1,800.00         Jun-2018       \$ 1,800.00         Mar-2019       \$ 1,693.75         Mar-2019       \$ 1,933.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,291.50         Sep-2018       \$ 1,291.50         Sep-2018       \$ 103.43         Jun-2019       \$ 103.43         Jun-2019       \$ 103.43         Jun-2018       \$ 103.43         May-2018       \$ 103.43         Mar-2019       \$ 103.43         Mar-2018       \$ 103.43			
Oct-2018       \$ 1,399.50         Sep-2018       \$ 1,845.00         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,163.25         Feb-2019       \$ 1,269.00         Jan-2019       \$ 1,640.40         Jul-2018       \$ 1,890.70         Jun-2019       \$ 1,948.50         Mar-2019       \$ 1,993.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,948.50         Nov-2018       \$ 1,948.50         Sep-2018       \$ 1,948.50         Aug-2018       \$ 1,291.50         Sep-2018       \$ 103.43         Jan-2019       \$ 103.43         Jul-2018       \$ 103.43         Jul-2018       \$ 103.43         May-2019       \$ 103.43         May-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Feb-2019       \$ 206.86         Feb-2019       \$ 206.86         Jul-2018       \$ 206.86         Jul-2018       \$ 206.86			
Sep-2018       \$ 1,845.00         Apr-2018       \$ 1,714.50         Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,63.25         Feb-2019       \$ 1,269.00         Jan-2019       \$ 1,044.00         Jul-2018       \$ 1,809.00         Jur-2018       \$ 1,689.75         Mar-2019       \$ 1,993.50         May-2018       \$ 1,993.50         Nov-2018       \$ 1,948.50         Nov-2018       \$ 1,948.50         Nov-2018       \$ 1,773.00         Aug-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Jur-2019       \$ 103.43         Jur-2018       \$ 103.43         Jur-2018       \$ 206.86         Jur-2018       \$ 103.43         Mar-2019       \$ 103.43         Mar-2019       \$ 103.43         Mar-2019       \$ 103.43         Mar-2018       \$ 206.86         Nov-2018       \$ 206.86 <td></td> <td></td> <td></td>			
Apr-2018 \$ 1,714.50 Aug-2018 \$ 1,719.00 Dec-2018 \$ 1,163.25 Feb-2019 \$ 1,269.00 Jul-2018 \$ 1,800.00 Jul-2018 \$ 1,800.00 Jul-2018 \$ 1,993.50 May-2018 \$ 1,993.50 May-2018 \$ 1,993.50 Nov-2018 \$ 1,993.50 Sep-2018 \$ 1,291.50 Sep-2018 \$ 1,291.50 Sep-2018 \$ 1,773.00  Aug-2018 \$ 1,773.00  Aug-2018 \$ 103.43 Jul-2018 \$ 103.43 Jul-2018 \$ 103.43 Jul-2018 \$ 103.43 Sur-2019 \$ 103.43 Jul-2018 \$ 103.43 Sur-2019 \$ 103.43 Sur-2018 \$ 103.43 Sur-2019 \$ 103.43 Sur-2019 \$ 103.43 Sur-2019 \$ 103.43 Sur-2018 \$ 103.43 Sur-2019 \$ 103.43 Sur-2018 \$ 103.43 Sur-2019 \$ 103.43			
Aug-2018       \$ 1,719.00         Dec-2018       \$ 1,163.25         Feb-2019       \$ 1,269.00         Jan-2019       \$ 1,944.00         Jul-2018       \$ 1,800.00         Jur-2019       \$ 1,935.50         Mar-2019       \$ 1,993.50         Nov-2018       \$ 1,993.50         Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,773.00         Sep-2018       \$ 103.43         Dec-2018       \$ 103.43         Jul-2019       \$ 103.43         Jul-2018       \$ 103.43         Mar-2019       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 103.43         May-2018       \$ 103.43         Mov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 206.86         Feb-2019       \$ 206.86         Jul-2018       \$ 310.25         Jul-2018       \$ 310.25         Jul-2018       \$ 310.25			
Dec-2018       \$ 1,163.25         Feb-2019       \$ 1,269.00         Jan-2019       \$ 1,044.00         Jul-2018       \$ 1,800.00         Jun-2019       \$ 1,993.50         Mar-2019       \$ 1,993.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Dec-2018       \$ 103.43         Jul-2019       \$ 103.43         Jun-2019       \$ 103.43         Mar-2019       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Sep-2018       \$ 206.86         Nov-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 206.86         Jul-2018       \$ 206.86         Feb-2019       \$ 206.86         Jul-2018       \$ 310.25         Jun-2019       \$ 310.25         Jul-2018       \$ 310.25         Jun-2018       \$ 310.25	Apr-2018		1,714.50
Feb-2019       \$ 1,269.00         Jan-2019       \$ 1,044.00         Jul-2018       \$ 1,800.00         Jun-2019       \$ 1,693.50         Mar-2019       \$ 1,938.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,291.50         Oct-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Dec-2018       \$ 103.43         Jan-2019       \$ 103.43         Jun-2018       \$ 206.86         Jun-2018       \$ 103.43         May-2018       \$ 103.43         May-2018       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Feb-2019       \$ 206.86         Feb-2019       \$ 206.86         Feb-2019       \$ 206.86         Jul-2018       \$ 206.86         Feb-2019       \$ 206.86         Jul-2018       \$ 310.25         Jun-2019       \$ 206.86         Sep-2018       \$ 206.86         Sep-2019       \$ 206.86			
Jan-2019       \$ 1,044.00         Jul-2018       \$ 1,800.00         Jun-2019       \$ 1,093.50         Mar-2019       \$ 1,993.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,773.00         Sep-2018       \$ 103.43         Jan-2019       \$ 103.43         Jan-2019       \$ 103.43         Jun-2018       \$ 206.86         Jun-2018       \$ 103.43         May-2019       \$ 103.43         May-2019       \$ 103.43         May-2018       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2019       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 206.86         Feb-2019       \$ 103.43         Jul-2018       \$ 310.25         Jun-2018       \$ 310.25			
Jul-2018       \$ 1,800.00         Jun-2019       \$ 1,689.75         Mar-2019       \$ 1,948.50         Nov-2018       \$ 1,948.50         Nov-2018       \$ 1,291.50         Sep-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Dec-2018       \$ 103.43         Jun-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         May-2019       \$ 103.43         May-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Apr-2018       \$ 206.86         Feb-2019       \$ 206.86         Jun-2019       \$ 206.86         Jun-2018       \$ 310.25			
Jun-2018       \$ 1,689.75         Mar-2019       \$ 1,093.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,291.50         Sep-2018       \$ 103.43         Dec-2018       \$ 103.43         Jun-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         Mar-2019       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 103.43         Mov-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 206.86         Jan-2019       \$ 206.86         Jan-2019       \$ 206.86         Jan-2019       \$ 206.86         Jul-2018       \$ 206.86         Jul-2018       \$ 206.86         Jul-2018       \$ 206.86			
Mar-2019       \$ 1,093.50         May-2018       \$ 1,948.50         Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,291.50         Sep-2018       \$ 103.43         Dec-2018       \$ 103.43         Jan-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         Mar-2019       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 103.43         Apr-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 206.86         Jan-2019       \$ 206.86         Jan-2019       \$ 206.86         Jul-2018       \$ 206.86         Jul-2019       \$ 206.86         Jul-2019       \$ 206.86         Jul-2019       \$ 206.86         Jul-2018       \$ 310.25         Jun-2019       \$ 206.86         Jul-2018       \$ 310.25			
May-2018       \$ 1,948.50         Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,291.50         Sep-2018       \$ 103.43         Aug-2018       \$ 103.43         Dec-2018       \$ 103.43         Jan-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         May-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 206.86         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2019       \$ 206.86         Jan-2019       \$ 206.86         Jan-2019       \$ 206.86         Jul-2018       \$ 206.86         Jul-2019       \$ 206.86         Jul-2018       \$ 206.86         Jul-2018       \$ 310.25         Jun-2019       \$ 206.86         Jul-2018       \$ 310.25         Jun-2018       \$ 310.25			•
Nov-2018       \$ 1,442.25         Oct-2018       \$ 1,291.50         Sep-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Dec-2018       \$ 103.43         Jan-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2018       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 206.86         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Aug-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 206.86         Jan-2019       \$ 206.86         Jul-2018       \$ 310.25			
Oct-2018       \$ 1,291.50         Sep-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Dec-2019       \$ 103.43         Jun-2019       \$ 206.86         Jun-2018       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Aug-2018       \$ 206.86         Dec-2018       \$ 206.86         Feb-2019       \$ 206.86         Jun-2019       \$ 206.86         Jun-2018       \$ 310.29			
Sep-2018       \$ 1,773.00         Aug-2018       \$ 103.43         Dec-2018       \$ 103.43         Jan-2019       \$ 103.43         Jul-2018       \$ 206.86         Jur-2019       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 206.86         Jul-2018       \$ 310.29         Jul			
Aug-2018 \$ 103.43 Dec-2018 \$ 103.43 Jan-2019 \$ 103.43 Jul-2018 \$ 206.86 Jun-2018 \$ 103.43 Mar-2019 \$ 103.43 Mar-2019 \$ 103.43 May-2018 \$ 206.86 Nov-2018 \$ 103.43 Oct-2018 \$ 103.43 Sep-2018 \$ 206.86 Aug-2018 \$ 206.86 Feb-2019 \$ 103.43 Jan-2019 \$ 1			
Dec-2018       \$ 103.43         Jan-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         May-2019       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Ee-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 310.29	34p 2010	*	1,775.00
Jan-2019       \$ 103.43         Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         May-2019       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Aug-2018       \$ 206.86         Feb-2019       \$ 206.86         Jul-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 310.29         Jun-2018       \$ 310.29         Jun-2018       \$ 310.29	Aug-2018		103.43
Jul-2018       \$ 206.86         Jun-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Aug-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72	Dec-2018	\$	103.43
Jun-2018       \$ 103.43         Mar-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 206.86         Sep-2018       \$ 206.86         Apr-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 310.29	Jan-2019	\$	103.43
Mar-2019       \$ 103.43         May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 206.86         Sep-2018       \$ 206.86         Apr-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 310.29			206.86
May-2018       \$ 206.86         Nov-2018       \$ 103.43         Oct-2018       \$ 206.86         Sep-2018       \$ 206.86         Apr-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 310.29         Jun-2018       \$ 310.29         Jun-2018       \$ 310.29         Jun-2018       \$ 310.29			103.43
Nov-2018       \$ 103.43         Oct-2018       \$ 206.86         Sep-2018       \$ 206.86         Apr-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 310.29			
Oct-2018       \$ 103.43         Sep-2018       \$ 206.86         Apr-2018       \$ 206.86         Aug-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72			
Sep-2018     \$ 206.86       Apr-2018     \$ 206.86       Aug-2018     \$ 413.72       Dec-2018     \$ 206.86       Feb-2019     \$ 103.43       Jan-2019     \$ 206.86       Jul-2018     \$ 310.29       Jun-2018     \$ 413.72			
Apr-2018 \$ 206.86 Aug-2018 \$ 413.72 Dec-2018 \$ 206.86 Feb-2019 \$ 103.43 Jan-2019 \$ 206.86 Jul-2018 \$ 310.29 Jun-2018 \$ 413.72			
Aug-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72	Sep-2018	<b>3</b>	206.86
Aug-2018       \$ 413.72         Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72	Apr-2018	<u> </u>	206 86
Dec-2018       \$ 206.86         Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72		\$	
Feb-2019       \$ 103.43         Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72		\$	206.86
Jan-2019       \$ 206.86         Jul-2018       \$ 310.29         Jun-2018       \$ 413.72			103.43
Jul-2018     \$     310.29       Jun-2018     \$     413.72			206.86
Jun-2018 \$ 413.72			310.29
Mar-2019 \$ 206.86		\$	413.72
	Mar-2019	\$	206.86

Counterparty and Payment Dates		REC Cost
May-2018	\$	206.86
Nov-2018	\$	310.29
Oct-2018 Sep-2018	\$	310.29
Sep-2018	\$	310.29
Apr-2018	\$	73.43
Aug-2018	\$	220.29
Dec-2018	\$	73.43
Jan-2019	\$	73.43
Jun-2018	\$	146.86
Mar-2019	\$	73.43
May-2018	\$	146.86
Nov-2018	\$	73.43
Oct-2018	\$	73.43
Apr-2018	\$	3,276.00
Aug-2018	\$	3,784.00
Dec-2018	\$	2,328.00
Feb-2019	\$	2,456.00
Jan-2019	\$	2,028.00
Jul-2018	\$	3,992.00
Jun-2018	\$	3,708.00
Mar-2019	\$	2,084.00
May-2018	\$	3,708.00
Nov-2018	\$	3,156.00
Oct-2018	\$	2,564.00
Sep-2018	\$	3,948.00
Apr-2018	\$	73.43
Aug-2018	\$	73.43
Dec-2018	\$	73.43
Feb-2019	\$	73.43
Jan-2019	\$	73.43
Jul-2018	\$	220.29
Jun-2018	\$	73.43
Mar-2019	\$	73.43
May-2018	\$	146.86
Nov-2018	\$	73.43
Oct-2018	\$	146.86
Sep-2018	\$	146.86
Apr-2018	\$	4,010.00
Aug-2018	\$	4,370.00
Dec-2018	\$	2,635.00
Feb-2019	\$	2,920.00
Jan-2019	\$	2,275.00
Jul-2018	\$	4,465.00
Jun-2018	\$	4,240.00
Mar-2019	\$	2,040.00
May-2018	\$	4,470.00
Nov-2018	\$	3,555.00
Oct-2018	\$	2,235.00
Sep-2018	\$	4,450.00
Apr-2018	ď.	2 240 00
	\$	3,340.00
Aug-2018 Dec-2018	\$ \$	3,968.00 2,376.00
DCC-2010		
Feb-2019	<b>¢</b>	2 512 NA
Feb-2019 Jan-2019	\$ \$	2,512.00 2,088.00

Counterparty and Payment Dates		REC Co
un-2018	\$	3,800.0
Mar-2019	\$	2,108.0
May-2018	\$	3,564.0
Nov-2018	\$	3,152.0
Oct-2018	\$ \$	2,392.0 3,976.0
Sep-2018	3	3,976.0
Apr-2018	\$	1,885.5
Aug-2018	\$	1,973.2
Dec-2018	\$	1,248.7
Feb-2019	\$	1,381.5
an-2019	\$	1,102.5
ul-2018	\$	2,155.5
Tun-2018	\$	2,020.5
Mar-2019	\$	1,237.5
May-2018	\$	2,031.7
Oct-2018	\$	794.2
Sep-2018	\$	2,112.7
Apr-2018	\$	3,720.0
Aug-2018	\$	3,855.0
Dec-2018	\$	2,580.0
Feb-2019	\$	2,840.0
Jan-2019	\$	1,930.0
Jul-2018	\$	4,315.0
Jun-2018	\$	4,160.0
Mar-2019	\$	2,425.0
May-2018	\$	4,430.0
Nov-2018	\$	3,560.0
Oct-2018	\$	2,955.0
Sep-2018	\$	4,370.0
Apr-2018	\$	3,775.0
Aug-2018	\$	4,665.
Dec-2018	\$	2,670.0
Feb-2019	\$	2,865.
Jan-2019	\$	2,000.
Jul-2018	\$	4,650.
Jun-2018	\$	4,625.
Mar-2019	\$	2,470.
May-2018	\$	4,540.
Nov-2018	\$	3,370.
Oct-2018 Sep-2018	\$ \$	2,920. 3,810.
3ep-2018	3	3,810.
Apr-2018	\$	19,337.
Aug-2018	\$	22,417.
Dec-2018	\$	13,763.
Feb-2019	\$	14,534.
Jan-2019	\$	10,515.
Jul-2018	\$	23,890.
Jun-2018	\$	22,968
Mar-2019	\$	12,423.
May-2018	\$	22,028.
Nov-2018	\$	18,548.
Oct-2018 Sep-2018	\$	16,547.
och-5010	\$	23,414.
Apr-2018	\$	3,180.

Counterparty and Payment Dates	RI	EC Cost
Dec-2018	\$	2,312.00
Feb-2019		2,436.00
Jan-2019		1,768.00
Jul-2018		4,084.00
Jun-2018		3,864.00
Mar-2019		2,132.00
May-2018		3,828.00
Nov-2018		3,100.00
Oct-2018		2,756.00
Sep-2018		4,028.00
Aug-2018		1,057.02
Dec-2018		4,939.92
Feb-2019		6,465.02
Jan-2019		6,788.92
Jul-2018		4,015.42
Jun-2018		5,309.72
Mar-2019		4,354.12
May-2018		5,420.66
Nov-2018	\$ 1	8,155.03
Oct-2018		1,778.13
Sep-2018	<b>\$</b> 1	7,547.01
		( 10 4 70
Apr-2018	\$ 1	6,104.79
Apr-2018	\$	3,895.00
Aug-2018		5,065.00
Dec-2018		3,000.00
Feb-2019		3,150.00
Jan-2019		2,655.00
Jul-2018		5,325.00
Jun-2018		4,770.00
Mar-2019		2,705.00
May-2018		4,940.00
Nov-2018		4,000.00
Oct-2018		2,755.00
Sep-2018		5,030.00
Apr-2018		3,660.00
Aug-2018		4,065.00
Dec-2018		2,805.00
Feb-2019		3,040.00
Jan-2019		2,480.00
Jul-2018		4,605.00
Jun-2018		4,435.00
Mar-2019		2,570.00
May-2018		4,610.00
Nov-2018	\$	3,435.00
Oct-2018	\$	1,905.00
Sep-2018	\$	3,245.00
A 2010	<b>6</b>	2 075 00
Apr-2018	\$ \$	3,075.00 3,730.00
Aug-2018	\$ \$	2,045.00
Dec-2018		2,045.00
Feb-2019	\$ \$	
Jan-2019		1,700.00
Jul-2018	\$	3,695.00
Jun-2018	\$	3,750.00
Mar-2019	\$	1,730.00
May-2018	\$	3,665.00

Counterparty and Payment Dates		REC Cost
Nov-2018	\$	2,830.00
Oct-2018	\$	2,505.00
Sep-2018	\$	3,815.00
Apr-2018	\$	3,310.00
Aug-2018	\$	3,800.00
Dec-2018	\$	2,210.00
Feb-2019	\$	1,930.00
Jan-2019	\$	1,760.00
Jul-2018	\$	4,050.00
Jun-2018	\$	3,810.00
Mar-2019	\$	2,020.00
May-2018	\$	3,880.00
Nov-2018	\$	2,760.00
Oct-2018	\$	2,960.00
Sep-2018	\$	3,950.00
		2.224.00
Apr-2018	\$	3,236.00
Aug-2018	\$	3,912.00
Dec-2018 Feb-2019	\$	2,212.00
Jan-2019	\$ \$	2,292.00
Jul-2018	\$	1,756.00 4,124.00
Jun-2018	\$	3,556.00
Mar-2019	\$	2,112.00
May-2018	\$	3,856.00
Nov-2018	\$	3,100.00
Oct-2018	\$	3,028.00
Sep-2018	\$	4,052.00
Apr-2018	\$	868.00
Aug-2018	\$	1,460.00
Dec-2018	\$	1,228.00
Feb-2019	\$	840.00
Jan-2019	\$	752.00
Jul-2018	\$	1,536.00
Jun-2018	\$	1,500.00
Mar-2019	\$	1,068.00
May-2018 Nov-2018	\$ \$	1,212.00
Oct-2018	\$	1,068.00 1,568.00
Sep-2018	\$ \$	1,340.00
	Ψ	1,5 10.00
Apr-2018	\$	117.39
Aug-2018	\$	117.39
Dec-2018	\$	352.17
Feb-2019	\$	117.39
Jan-2019	\$	117.39
Jul-2018	\$	234.78
Jun-2018	\$	234.78
May-2018	\$	234.78
Nov-2018	\$	117.39
Oct-2018	\$	234.78
Sep-2018	\$	234.78
Apr. 2018	6	269 049 02
Apr-2018 Aug-2018	\$ \$	268,048.03
Dec-2018	\$	45,281.89
Feb-2019	\$ \$	306,819.41
Jan-2019	\$ \$	308,038.03 328,345.62
Juli 2017	ð	328,343.62

Counterparty and Payment Dates	REC C	ost
Jul-2018	\$ 385,976.	.23
Jun-2018	\$ 262,390.	
Mar-2019	\$ 247,817.	
May-2018	\$ 233,587.	.28
Nov-2018	\$ 227,394.	.16
Oct-2018	\$ 277,770	
Sep-2018	\$ 144,243.	
Apr-2018	\$ 11,739	.00
Aug-2018	\$ 18,782	
Dec-2018	\$ 7,865	
Feb-2019	\$ 10,212	
Jan-2019	\$ 6,926	
Jul-2018	\$ 20,191	
Jun-2018	\$ 21,247	
Mar-2019	\$ 13,734	
May-2018	\$ 17,373	
Nov-2018	\$ 25,121	
Sep-2018	\$ 19,604	
3cp-2016	Ψ 17,004	.13
Apr-2018	\$ 3,895	00
Aug-2018	\$ 3,835	
Dec-2018	\$ 2,640	
Feb-2019	\$ 2,605	
Jan-2019		
Jul-2018	\$ 3,280	
Jun-2018	\$ 4,320 \$ 2,570	
Mar-2019	\$ 2,570	
May-2018	\$ 4,015	
Nov-2018	\$ 3,490	
Oct-2018	\$ 2,725	
Sep-2018	\$ 4,500	0.00
Apr 2018	\$ 9,641	16
Apr-2018		
Aug-2018 Feb-2019	\$ 24,711 \$ 7,035	
Jan-2019	\$ 17,372 \$ 15,417	
Jul-2018	\$ 15,417	
May-2018	\$ 22,062	
Nov-2018	\$ 21,237	
Oct-2018	\$ 14,679	0.34
Apr-2018	\$ 495	
Aug-2018		7.50
Dec-2018		1.25
Jan-2019		3.00
Jul-2018		9.25
Mar-2019		7.00
May-2018	\$ 1,359	9.00
Nov-2018		3.75
Oct-2018		3.75
Sep-2018	\$ 697	7.50
Apr-2018	\$ 1,804	
Aug-2018	\$ 1,833	
Dec-2018	\$ 1,280	
Feb-2019	\$ 1,381	1.50
Jan-2019	\$ 1,066	5.50
Jul-2018	\$ 1,950	
7 2010		2 50
Jun-2018	\$ 1,939	9.50

Counterparty and Payment Dates		REC Cost
Mar-2019	\$	1,102.50
May-2018	\$	1,971.00
Nov-2018	\$	1,649.25
Oct-2018	\$ \$	1,388.25 1,957.50
Sep-2018	2	1,937.30
Apr-2018	\$	3,208.00
Aug-2018	\$	3,724.00
Dec-2018	\$	2,272.00
Feb-2019	\$	2,408.00
Jan-2019	\$ \$	1,868.00
Jul-2018 Jun-2018	\$	4,148.00 3,972.00
Mar-2019	\$	2,144.00
May-2018	\$	3,780.00
Nov-2018	\$	3,108.00
Oct-2018	\$	2,988.00
Sep-2018	\$	4,092.00
Apr-2018	\$	4,020.00
Aug-2018	\$	4,230.00
Dec-2018	\$	2,570.00
Feb-2019	\$	2,995.00
Jan-2019	\$	2,165.00
Jul-2018	\$	4,425.00
Jun-2018	\$	3,850.00
Mar-2019	\$	2,515.00
May-2018	\$	4,290.00
Nov-2018	\$	3,175.00
Oct-2018	\$	2,840.00
Sep-2018	\$	4,355.00
Apr-2018	\$	1,818.00
Aug-2018	\$	1,514.25
Dec-2018	\$	1,507.50
Feb-2019	\$	1,469.25
Jan-2019	\$	1,597.50
Jul-2018 Jun-2018	\$	1,503.00
Mar-2019	<b>\$</b> <b>\$</b>	1,536.75 780.75
May-2018	\$	1,617.75
Nov-2018	\$	1,566.00
Oct-2018	\$	641.25
Sep-2018	\$	1,287.00
Apr-2018	\$	1,820.25
Aug-2018	\$	1,950.75
Dec-2018	\$	1,235.25
Feb-2019	\$	1,332.00
Jan-2019	\$	1,068.75
Jul-2018	\$	1,950.75
Jun-2018	\$	1,959.75
Mar-2019	\$	1,109.25
May-2018	\$	2,009.25
Nov-2018	\$	1,631.25
Oct-2018 Sep-2018	\$ \$	1,165.50
50p-2010	2	2,027.25
Apr-2018	\$	10,747.37
Aug-2018	\$	13,416.18

Counterparty and Payment Dates		REC Cost
Dec-2018	\$	7,429.39
Feb-2019	\$	8,231.30
Jan-2019	\$	5,986.79
Jul-2018	\$	12,406.36
Jun-2018	\$	13,127.66
Mar-2019	\$	7,333.34
May-2018 Nov-2018	\$ \$	12,839.14
Oct-2018	\$ \$	10,314.59 8,799.86
Sep-2018	\$ \$	13,271.92
5 <b>0</b> p-2016	Ψ	15,271.72
Apr-2018	\$	6,794.77
Aug-2018	\$	25,530.14
Dec-2018	\$	9,438.76
Feb-2019	\$	6,481.93
Jan-2019	\$	5,885.01
Jun-2018	\$	12,509.20
Mar-2019	\$	8,459.54
May-2018	\$	10,774.97
Nov-2018 Oct-2018	\$ ¢	6,908.49
Sep-2018	\$ \$	11,030.84 11,542.58
3ep-2016	Þ	11,342.36
Apr-2018	\$	3,700.00
Aug-2018	\$	3,700.00
Dec-2018	\$	1,925.00
Feb-2019	\$	2,740.00
Jan-2019	\$	2,240.00
Jul-2018	\$	4,155.00
Jun-2018	\$	3,910.00
Mar-2019	\$	2,430.00
May-2018	\$	4,215.00
Nov-2018	\$	1,955.00
Oct-2018	\$	3,035.00
Sep-2018	\$	4,015.00
Apr-2018	\$	3,671.50
Aug-2018	\$	4,626.09
Dec-2018	\$	4,846.38
Feb-2019	\$	1,909.18
Jan-2019	\$	1,909.18
Jul-2018	\$	5,286.96
Jun-2018	\$	4,699.52
Mar-2019	\$	2,716.91
May-2018	\$	4,185.51
Nov-2018	\$	3,304.35
Sep-2018	\$	4,552.66
Apr-2018	\$	2,608.00
Aug-2018	\$	1,884.00
Dec-2018	\$	864.00
Feb-2019	\$ \$	996.00
Jan-2019	\$	804.00
Jul-2018	\$	2,960.00
Jun-2018	\$	2,824.00
Mar-2019	\$	832.00
May-2018	\$	2,864.00
Oct-2018	\$	756.00
Sep-2018	\$	1,896.00

Counterparty and Payment Dates		REC Co
Apr-2018	\$	4,005.0
Aug-2018	\$	4,400.0
Dec-2018	\$	2,870.0
Feb-2019	\$	3,100.0
an-2019	\$	2,445.0
ul-2018	\$	4,235.0
un-2018	\$	4,290.0
Mar-2019	\$	2,545.0
May-2018	\$	4,355.0
Nov-2018	\$	3,735.0
Oct-2018	\$	3,155.0
Sep-2018	\$	4,470.0
Apr-2018	\$	3,975.0
Aug-2018	\$	4,850.0
Dec-2018	\$	2,860.0
Feb-2019	\$	2,940.0
an-2019	\$	2,550.0
ul-2018	\$	5,060.0
fun-2018	\$	4,760.0
Mar-2019	\$	2,610.0
May-2018		
•	\$	4,780.0
Nov-2018 Oct-2018	\$	3,905.0
56-2018 Sep-2018	<b>\$</b> <b>\$</b>	3,510.0 4,595.0
		1,000.0
Apr-2018	\$	1,967.5
Aug-2018	\$	2,072.5
Dec-2018	\$	1,345.0
Feb-2019	\$	1,440.0
an-2019	· <b>\$</b>	1,085.0
Jul-2018	\$	2,162.5
Jun-2018	\$	2,085.0
Mar-2019	\$	1,220.0
May-2018	\$	2,172.5
Nov-2018	\$	1,782.5
Oct-2018	\$	1,565.0
Sep-2018	\$	2,120.0
Apr-2018	\$	845.:
Aug-2018	\$	1,286.2
Dec-2018	\$	666.
Feb-2019	\$	817.3
Jan-2019	\$	624.
ul-2018		1,312.
Jun-2018	\$ \$	1,274.
Mar-2019	\$	603.
May-2018	\$	1,195.
Nov-2018	\$	1,195 885.
Oct-2018	\$ \$	661.
Sep-2018	\$	1,223.
Apr-2018	\$ \$	3,775.
Aug-2018	\$	4,210.
Dec-2018	\$	2,545.0
Feb-2019	\$	2,850.
Jan-2019	\$	1,755.
Jul-2018	\$	4,635.
Jun-2018	\$	4,365
Mar-2019	\$	2,540

Counterparty and Payment Dates		REC Cost
May-2018	\$	4,515.00
Nov-2018	\$	3,605.00
Oct-2018	\$	3,120.00
Sep-2018	\$	4,345.00
Apr-2018	\$	1,204.00
Aug-2018	\$	1,664.00
Dec-2018	\$	1,024.00
Feb-2019	\$	904.00
Jan-2019	\$	952.00
Jul-2018	\$	1,628.00
Jun-2018	\$	1,768.00
Mar-2019	\$	1,236.00
May-2018	\$	1,352.00
Nov-2018	\$	1,240.00
Oct-2018	\$	1,508.00
Sep-2018	\$	1,432.00
4 2010	Φ.	4.550.00
Apr-2018	\$	4,550.92
Aug-2018	\$	14,480.20
Feb-2019	\$	3,723.48
Jan-2019	\$	7,033.24
Jun-2018	\$	7,550.39
May-2018	\$	6,619.52
Nov-2018 Oct-2018	\$ \$	10,860.15 6,205.80
001-2018	J.	0,203.80
Apr-2018	\$	22,538 00
Apr-2018	\$	2,230.41
Aug-2018	\$	586.95
Dec-2018	\$	1,526.07
Feb-2019	\$	1,995.63
Jan-2019	\$	1,526.07
Jul-2018	\$	352.17
May-2018	\$	586.95
Nov-2018	\$	821.73
Oct-2018	\$	2,582.58
Sep-2018	\$	3,873.87
Aug-2018	\$	4,821.60
Dec-2018	\$	1,790.88
May-2018	\$	1,584.24
Nov-2018	\$	5,579.28
Aug-2018	\$	3,650.64
Dec-2018	\$	1,446.48
Feb-2019	\$	5,441.52
May-2018	\$	413.28
Nov-2018	\$	5,510.40
Apr-2018	\$	3,400.00
Aug-2018	\$	3,748.00
Dec-2018	\$ \$	2,512.00
Feb-2019	\$	2,604.00
Jan-2019	\$	2,108.00
Jul-2018	\$	3,756.00
Jun-2018	\$	3,764.00
Mar-2019	\$	2,072.00
May-2018	\$	3,720.00

Counterparty and Payment Dates Nov-2018	<u> </u>	3,268.00
Oct-2018	\$ \$	2,784.00
Sep-2018	\$	3,780.00
3cp-2018	J	3,780.00
Apr-2018	\$	4,025.00
Aug-2018	\$	4,320.00
Dec-2018	\$	2,750.00
Feb-2019	\$	2,870.00
Jan-2019	\$	2,345.00
Jul-2018	\$	4,385.00
Jun-2018	\$	4,475.00
Mar-2019	\$	2,290.00
May-2018	\$	4,485.00
Nov-2018	\$	3,625.00
Oct-2018	\$	3,295.00
Sep-2018	\$	4,450.00
Apr. 2010	ф.	2.875.00
Apr-2018	\$ \$	3,875.00
Aug-2018 Dec-2018	\$	4,345.00 3,840.00
Feb-2019	\$	2,920.00
Jan-2019	\$	2,170.00
Jul-2018	\$	4,255.00
Jun-2018	\$	4,330.00
Mar-2019	\$	2,435.00
May-2018	\$	4,360.00
Nov-2018	\$	2,400.00
Oct-2018	\$	2,995.00
Sep-2018	\$	4,340.00
Apr-2018	\$	980.00
Aug-2018	\$	1,668.00
Dec-2018	\$	1,100.00
Feb-2019	\$	968.00
Jan-2019	\$	936.00
Jul-2018	\$	1,644.00
Jun-2018	\$	1,536.00
Mar-2019	\$	1,120.00
May-2018	\$	1,356.00
Nov-2018	* \$	1,016.00
Oct-2018	\$	1,608.00
Sep-2018	\$	1,608.00
2010		4.160.01
Apr-2018	\$	4,168.91
Aug-2018	\$	6,420.73
Dec-2018 Feb-2019	<b>\$</b> <b>\$</b>	3,803.75
Jan-2019	\$	3,950.00 3,773.32
Jul-2018	\$	5,775.52 5,416.54
Jun-2018	\$	6,816.32
Mar-2019	\$	4,832.07
May-2018	\$	5,629.55
Nov-2018	\$	91.29
Oct-2018	\$	6,299.01
Sep-2018	\$	5,416.54
Apr-2018	\$	3,645.00
Aug-2018	\$	4,345.00
Dec-2018	\$	2,395.00
Feb-2019	\$	2,580.00

Counterparty and Payment Dates		REC Cost
Jan-2019	\$	1,680.00
Jul-2018	\$	4,495.00
Jun-2018	\$	4,170.00
Mar-2019	\$	2,405.00
May-2018	\$	4,345.00
Nov-2018	\$	2,835.00
Oct-2018	\$	2,985.00
Sep-2018	\$	4,600.00
May-2018	\$	795.00
May-2018	\$	465.00
Apr-2018	\$	21,766.28
Jun-2018	\$	8,854.08
May-2018	\$	30,620.36
Apr-2018	\$	1,818.00
Aug-2018	\$	1,872.00
Dec-2018	\$	1,233.00
Feb-2019	\$	1,206.00
Jan-2019	\$	974.25
Jul-2018	\$	1,977.75
Jun-2018	\$	1,921.50
Mar-2019	\$	1,001.25
May-2018	\$	1,995.75
Nov-2018	\$	1,635.75
Oct-2018	\$	1,293.75
Sep-2018	\$	1,716.75
Apr-2018	\$	582.75
Aug-2018	\$	720.00
Dec-2018	\$	616.50
Feb-2019	\$	1,012.50
Jul-2018	\$	823.50
Jun-2018	\$	803.25
Mar-2019	\$	639.00
May-2018	\$	695.25
Nov-2018	\$	632.25
Oct-2018	\$	900.00
Sep-2018	\$	670.50
Apr-2018	\$	3,413.19
Aug-2018	\$	6,826.38
Dec-2018	\$	3,309.76
Feb-2019	\$	2,275.46
Jan-2019	\$	2,999.47
Jul-2018	\$	7,136.67
Jun-2018	\$	6,826.38
Mar-2019	\$	3,620.05
May-2018	\$	6,102.37
Nov-2018	\$	3,309.76
Oct-2018	\$	6,516.09
Sep-2018	\$	5,585.22
Apr-2018	\$	1,779.75
Aug-2018	\$	2,000.25
	Ψ	
	S	1.280/25
Dec-2018 Feb-2019	\$ \$	1,280.25 1,379.25

Counterparty and Payment Dates		REC Cost
Jul-2018	\$	1,973.25
Jun-2018	\$	1,883.25
Mar-2019	\$	1,143.00
May-2018	\$	1,995.75
Nov-2018	\$	1,669.50
Oct-2018	\$	1,539.00
Sep-2018	\$	2,004.75
Apr-2018	\$	4,000.00
Aug-2018	\$	4,350.00
Dec-2018	\$	2,380.00
Feb-2019	\$	2,970.00
Jan-2019	\$	2,335.00
Jul-2018	\$	4,620.00
Jun-2018	\$	4,380.00
Mar-2019	\$	2,560.00
May-2018	\$	4,480.00
Nov-2018	\$	3,510.00
Oct-2018	\$	2,285.00
Sep-2018	\$	4,605.00
2010		2.222.00
Apr-2018	\$	3,328.00
Aug-2018	\$	3,528.00
Dec-2018	\$	2,392.00
Feb-2019	\$	2,548.00
Jan-2019	\$	2,052.00
Jul-2018	\$	4,080.00
Jun-2018	\$	3,548.00
Mar-2019	\$	2,116.00
May-2018	\$	3,736.00
Nov-2018	\$	3,168.00
Oct-2018	\$	2,956.00
Sep-2018	\$	4,004.00
Apr-2018	\$	3,368.00
Aug-2018	\$	3,012.00
Dec-2018	\$	2,440.00
Feb-2019	\$	2,612.00
Jan-2019	\$	2,228.00
Jul-2018	\$	4,064.00
Jun-2018	\$	3,604.00
Mar-2019	\$	2,220.00
May-2018	\$	1,400.00
Nov-2018	\$	3,236.00
Oct-2018	\$	2,824.00
Sep-2018	\$	3,976.00
Apr-2018	\$	2,370.00
Aug-2018	<b>Φ</b>	2,370.00 2,815.00
Dec-2018	\$ \$	2,815.00 1,595.00
Feb-2019	\$ \$	1,393.00
Jan-2019	\$ \$	
Jul-2018		1,190.00 2,895.00
Jun-2018	\$ \$	
Mar-2019		2,725.00
	\$	1,595.00
May-2018	\$	2,735.00
Nov-2018	\$	2,225.00
Oct-2018	\$	1,945.00
Sep-2018	\$	2,800.00

Counterparty and Payment Dates		REC Cost
Apr-2018	\$	4,015.00
Aug-2018	\$	4,255.00
Dec-2018	\$	2,585.00
Feb-2019	\$	2,740.00
Jan-2019	\$	2,070.00
Jul-2018	\$	4,360.00
Jun-2018	\$	4,070.00
Mar-2019	\$	2,460.00
May-2018	\$	4,280.00
Nov-2018	. \$	3,565.00
Oct-2018	\$	3,535.00
Sep-2018	\$	4,320.00
A 2010	<u> </u>	3.820.00
Apr-2018	\$	3,820.00
Aug-2018 Dec-2018	\$	4,240.00
Feb-2019	<b>\$</b> <b>\$</b>	2,710.00
		2,830.00
Jan-2019	\$ \$	2,115.00
Jul-2018		4,420.00
Jun-2018	\$	4,340.00
Mar-2019	\$	2,380.00
May-2018	\$	4,335.00
Nov-2018	\$	3,575.00
Oct-2018	\$	3,225.00
Sep-2018	\$	4,435.00
Apr-2018	\$	3,650.00
Aug-2018	\$	4,625.00
Dec-2018	\$	2,620.00
Feb-2019	\$	2,815.00
Jan-2019	\$	1,915.00
Jul-2018	\$	3,305.00
Jun-2018	\$	2,560.00
Mar-2019	\$	2,540.00
May-2018	\$	4,515.00
Nov-2018	\$	3,540.00
Oct-2018	\$	2,980.00
Sep-2018	\$	4,590.00
D 2010		41.465.00
Dec-2018	\$	41,465.00
Feb-2019	\$	56,565.00
Jan-2019	\$	48,470.00
Jul-2018	\$	1,750.00
Mar-2019	\$	36,800.00
Nov-2018	\$	41,485.00
Oct-2018	\$ \$	58,775.00
Sep-2018	3	85,585.00
Apr-2018	\$	3,124.00
Aug-2018	\$	3,652.00
Dec-2018	\$	2,048.00
Feb-2019	\$	2,264.00
Jan-2019	\$	1,624.00
Jul-2018	\$	3,784.00
Jun-2018	\$	3,672.00
Mar-2019	\$	2,072.00
May-2018	\$	2,532.00
Nov-2018	\$	2,916.00
Oct-2018	\$	2,328.00
Sep-2018	\$	3,740.00
		-

Counterparty and Payment Dates	REC Cost
Apr-2018	\$ 3,940.00
Aug-2018	\$ 4,565.00
Dec-2018	\$ 2,710.00
Feb-2019	\$ 2,985.00
Jan-2019	\$ 2,150.00
Jul-2018	\$ 4,695.00
Jun-2018	\$ 4,630.00
Mar-2019	\$ 2,440.00
May-2018	\$ 4,680.00
Nov-2018	\$ 3,620.00
Oct-2018	\$ 2,985.00
Sep-2018	\$ 4,730.00
Apr-2018	\$ 4,155.00
Aug-2018	\$ 4,465.00
Dec-2018	\$ 2,820.00
Feb-2019	\$ 2,820.00
Jan-2019	\$ 2,450.00
Jul-2018	\$ 4,600.00
Jun-2018	\$ 4,385.00
Mar-2019	\$ 2,675.00
May-2018	\$ 4,660.00
Nov-2018	\$ 745.00
Sep-2018	\$ 2,715.00
Apr-2018	\$ 19,702.41
Aug-2018	\$ 34,208.58
Dec-2018	\$ 17,537.31
Feb-2019	\$ 16,543.20
Jan-2019	\$ 14,289.66
Jul-2018	\$ 34,858.11
Jun-2018	\$ 32,043.48
Mar-2019	\$ 19,851.84
May-2018	\$ 29,445.36
Nov-2018	\$ 22,084.02
Oct-2018	\$ 21,651.00
Sep-2018	\$ 4,113.69
Apr-2018	\$ 4,085.00
Aug-2018	\$ 4,575.00
Dec-2018	\$ 2,855.00
Feb-2019	\$ 3,095.00
Jan-2019	\$ 2,305.00
Jul-2018	\$ 4,645.00
Jun-2018	\$ 4,415.00
Mar-2019	\$ 2,440.00
May-2018	\$ 4,485.00
Nov-2018	\$ 3,655.00
Oct-2018	\$ 2,000.00
Sep-2018	\$ 4,665.00
Apr-2018	\$ 1,995.63
Aug-2018	\$ 3,873.87
Dec-2018	\$ 1,995.63
Feb-2019	\$ 1,408.68
Jan-2019	\$ 1,526.07
Jul-2018	\$ 3,991.26
Jun-2018	\$ 3,639.09
Mar-2019	\$ 1,643.46

	Counterparty and Payment Dates		REC Cost
Nov-2018	May-2018	\$	3,169.53
Sep-2018         \$ 3,873,87           Apr-2018         \$ 3,880,00           Aug-2018         \$ 4,480,00           Dec-2019         \$ 2,250,00           Jan-2019         \$ 3,215,00           Jan-2019         \$ 4,450,00           Mar-2019         \$ 4,450,00           Mar-2019         \$ 2,355,00           May-2018         \$ 4,450,00           Nov-2018         \$ 3,360,00           Oct-2018         \$ 2,985,00           Apr-2018         \$ 3,256,00           Apr-2019         \$ 2,492,00           Jan-2019         \$ 3,284,00           Jan-2019         \$ 3,284,00           Mar-2019         \$ 3,284,00           Mar-2019         \$ 3,284,00           Mar-2019         \$ 3,284,00           May-2018         \$ 3,247,00           May-2018         \$ 3,247,00           \$ 3,247,00         \$ 3,247,00 <td>Nov-2018</td> <td></td> <td>2,230.41</td>	Nov-2018		2,230.41
Apr-2018	Oct-2018	\$	3,756.48
Aug-2018         \$ 4,480.00           Dec-2018         \$ 2,380.00           Feb-2019         \$ 3,215.00           Jan-2019         \$ 2,570.00           Jul-2018         \$ 4,400.00           Jul-2018         \$ 4,400.00           Mar-2019         \$ 2,395.00           May-2018         \$ 4,380.00           Nov-2018         \$ 3,360.00           Oct-2018         \$ 2,985.00           Sep-2018         \$ 3,256.00           Apr-2018         \$ 3,256.00           Apr-2018         \$ 3,256.00           Lag-2019         \$ 2,245.00           Jan-2019         \$ 1,900.00           Jan-2019         \$ 2,242.00           May-2018         \$ 3,828.00           Nov-2018         \$ 3,828.00           Nov-2018         \$ 3,829.00           Sep-2018         \$ 3,247.00	Sep-2018	\$	3,873.87
Aug-2018         \$ 4,480.00           Dec-2018         \$ 2,380.00           Feb-2019         \$ 3,215.00           Jan-2019         \$ 2,570.00           Jul-2018         \$ 4,400.00           Jul-2018         \$ 4,400.00           Mar-2019         \$ 2,395.00           May-2018         \$ 4,380.00           Nov-2018         \$ 3,360.00           Oct-2018         \$ 2,985.00           Sep-2018         \$ 3,256.00           Apr-2018         \$ 3,256.00           Apr-2018         \$ 3,256.00           Lag-2019         \$ 2,245.00           Jan-2019         \$ 1,900.00           Jan-2019         \$ 2,242.00           May-2018         \$ 3,828.00           Nov-2018         \$ 3,828.00           Nov-2018         \$ 3,829.00           Sep-2018         \$ 3,247.00	Apr 2018	•	2 990 00
Dec. 2018   \$ 2,380.00     Jan-2019   \$ 2,570.00     Jan-2019   \$ 2,570.00     Jan-2018   \$ 4,450.00     Mar-2019   \$ 2,395.00     Mar-2019   \$ 2,395.00     May-2018   \$ 3,360.00     Nov. 2018   \$ 3,360.00     Sep. 2018   \$ 3,256.00     Aug. 2019   \$ 2,452.00     Jan-2019   \$ 2,452.00     Jan-2019   \$ 3,256.00     Jan-2019   \$ 3,256.00     Aug. 2018   \$ 3,250.00     Aug. 2018   \$ 3,250.00     Aug. 2018   \$ 3,250.00     A	•	<b>.</b>	,
Feb-2019         \$ 3,215,00           Jan-2019         \$ 2,570,00           Jan-2018         \$ 4,460,00           Mar-2019         \$ 2,395,00           May-2018         \$ 4380,00           Oct-2018         \$ 2,985,00           Oct-2018         \$ 2,985,00           Sep-2018         \$ 2,985,00           Apy-2018         \$ 3,256,00           Aug-2018         \$ 3,256,00           Aug-2018         \$ 3,256,00           Aug-2018         \$ 2,286,00           Ley-2018         \$ 2,286,00           Sep-2018         \$ 2,286,00           Sep-2019         \$ 1,900,00           Jan-2019         \$ 1,900,00           Jan-2019         \$ 1,900,00           Jan-2019         \$ 1,900,00           Jan-2019         \$ 1,900,00           May-2018         \$ 3,828,00           May-2018         \$ 3,828,00           May-2018         \$ 3,828,00           Sep-2018         \$ 3,824,00           Sep-2019         \$ 3,24,78			
Jan-2019   \$ 2,570,00   Jun-2018   \$ 4,460,00   Mar-2019   \$ 2,395,00   Mar-2019   \$ 2,395,00   Mar-2018   \$ 3,360,00   Nov-2018   \$ 3,360,00   Nov-2018   \$ 3,256,00   Aug-2018   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2018   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2019   \$ 3,256,00   Aug-2018   Aug-2018   \$ 3,256,00   Aug-2018   Aug-2018   Aug-2018   Aug-2018		ф С	
Jul-2018			
Jun-2018         \$ 4,460.00           Mar-2019         \$ 2,395.00           May-2018         \$ 3,360.00           Nov-2018         \$ 3,296.50           Sep-2018         \$ 4,575.00           Apr-2018         \$ 3,260.00           Aug-2018         \$ 3,256.00           Aug-2018         \$ 3,864.00           Lec-2019         \$ 2,492.00           Jun-2019         \$ 1,000.00           Jul-2018         \$ 3,888.00           Mar-2019         \$ 3,256.00           May-2018         \$ 3,888.00           Mar-2019         \$ 3,588.00           May-2018         \$ 3,680.00           Oct-2018         \$ 3,586.00           Cet-2018         \$ 3,598.00           Oct-2018         \$ 3,598.00           Cet-2018         \$ 3,524.00           Apr-2018         \$ 3,524.00           \$ 3,524.00         \$ 3,524.00 <td></td> <td></td> <td></td>			
Mar-2019         \$ 2,395.00           May-2018         \$ 4,380.00           Nov-2018         \$ 2,985.00           Sep-2018         \$ 2,985.00           Sep-2018         \$ 3,256.00           Aug-2018         \$ 3,256.00           Aug-2018         \$ 3,256.00           Dec-2018         \$ 2,256.00           Feb-2019         \$ 2,492.00           Jan-2019         \$ 1,900.00           Jar-2018         \$ 3,888.00           Mar-2019         \$ 1,900.00           Jar-2018         \$ 3,888.00           May-2018         \$ 3,676.00           Nov-2018         \$ 3,676.00           Cet-2018         \$ 3,680.00           Cet-2018         \$ 3,880.00           Sep-2018         \$ 3,2478           Sep-2019         \$ 3,2478			
May-2018       \$ 4,380.00         Nov-2018       \$ 3,360.00         Oct-2018       \$ 2,985.00         Sep-2018       \$ 4,575.00         Apr-2018       \$ 3,256.00         Apr-2018       \$ 3,265.00         Dec-2018       \$ 2,256.00         Dec-2019       \$ 1,900.00         Jan-2019       \$ 1,900.00         Jal-2018       \$ 3,988.00         Jun-2019       \$ 1,900.00         May-2019       \$ 1,900.00         May-2019       \$ 3,676.00         Now-2018       \$ 3,676.00         Now-2018       \$ 3,676.00         Now-2018       \$ 3,820.00         Sep-2018       \$ 3,282.00         Apr-2018       \$ 3,242.00         Apr-2018       \$ 3,244.00         Apr-2018       \$ 3,244.00         Apr-2018       \$ 3,244.00         Sep-2018       \$ 3,247.00         Sep-2018       \$ 3,247.00         Sep-2018			
Nov-2018         \$ 3,360.00           Cet-2018         \$ 2,985.00           Sep-2018         \$ 4,575.00           Apr-2018         \$ 3,256.00           Aug-2018         \$ 3,864.00           Dec-2018         \$ 2,256.00           Feb-2019         \$ 2,256.00           Jan-2019         \$ 1,000.00           Jul-2018         \$ 3,888.00           Mar-2019         \$ 2,072.00           May-2018         \$ 3,676.00           Nov-2018         \$ 3,080.00           Cet-2018         \$ 3,284.00           Sep-2018         \$ 3,284.00           Apr-2018         \$ 3,284.00           Apr-2018         \$ 3,244.00           Apr-2018         \$ 3,247.8           Aug-2018         \$ 3352.17           Dec-2018         \$ 3352.17           Jul-2018         \$ 3352.17           Jul-2018         \$ 3352.17           Nov-2018         \$ 352.17           Sep-2018         \$ 352.17 <t< td=""><td></td><td></td><td></td></t<>			
Oct-2018         \$ 2,985.00           Exp-2018         \$ 4,575.00           Apr-2018         \$ 3,256.00           Aug-2018         \$ 2,256.00           Feb-2019         \$ 2,256.00           Jan-2019         \$ 1,900.00           Jul-2018         \$ 3,884.00           Jur-2019         \$ 1,900.00           Jur-2019         \$ 3,888.00           Jur-2019         \$ 2,072.00           May-2019         \$ 2,072.00           May-2019         \$ 3,880.00           May-2018         \$ 3,880.00           Oct-2018         \$ 3,884.00           Sep-2018         \$ 3,824.00           Sep-2018         \$ 324.78           Feb-2019         \$ 324.78           Jur-2018         \$ 352.17           Dec-2018         \$ 352.17           Peb-2019         \$ 324.78           Jur-2018         \$ 352.17           Jur-2018         \$ 352.17           May-2018         \$ 352.17           Apr-2019         \$ 324.78           May-2018         \$ 352.17           Apr-2018         \$ 352.17           Apr-2018         \$ 3,52.10           Apr-2018         \$ 3,52.10           Apr			•
Sep-2018         \$         4,575,00           Apr-2018         \$         3,256,00           Aug-2018         \$         3,864,00           Dec-2019         \$         2,256,00           Feb-2019         \$         2,492,00           Jun-2018         \$         3,988,00           Jur-2018         \$         3,828,00           Mar-2019         \$         2,072,00           May-2018         \$         3,676,00           Nov-2018         \$         3,080,00           Cet-2018         \$         3,080,00           Sep-2018         \$         3,242,00           Apr-2018         \$         3,242,00           \$         \$         3,242,00           \$         \$         3,242,00           \$         \$         3,242,00           \$         \$         3,242,00			
Aug-2018       \$ 3,86400         Dec-2019       \$ 2,256.00         Feb-2019       \$ 1,900.00         Jur-2018       \$ 3,988.00         Jur-2018       \$ 3,828.00         Mar-2019       \$ 2,072.00         May-2018       \$ 3,676.00         Nov-2018       \$ 3,080.00         Oct-2018       \$ 3,924.00         Sep-2018       \$ 234.78         Apr-2018       \$ 352.17         Dec-2018       \$ 352.17         Dec-2018       \$ 352.17         Dec-2019       \$ 234.78         Feb-2019       \$ 234.78         Jur-2018       \$ 352.17         Jur-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 36.10.23         Apr-2018       \$ 36.10.23         Apr-2019       \$ 3,723.48         Aug-2018       \$ 36.10.23         Apr-2018       \$ 36.10.23         Apr-2018       \$ 6,102.37         Apr-2019       \$ 3,60.00         Jur-2018       \$ 6,309.23			
Aug-2018       \$ 3,86400         Dec-2019       \$ 2,256.00         Feb-2019       \$ 1,900.00         Jul-2018       \$ 3,988.00         Jul-2018       \$ 3,988.00         Mar-2019       \$ 2,072.00         May-2018       \$ 3,676.00         Nov-2018       \$ 3,080.00         Oct-2018       \$ 3,924.00         Sep-2018       \$ 234.78         Aug-2018       \$ 352.17         Dec-2018       \$ 352.17         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jul-2018       \$ 352.17         Jur-2018       \$ 352.17         Mar-2019       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 36.00         Feb-2019       \$ 3,723.48         Aug-2018       \$ 352.17         Apr-2018       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,609.05         Jul-2018       \$ 6,309.23 </td <td>4 2010</td> <td>_</td> <td>2.256.00</td>	4 2010	_	2.256.00
Dec-2018         \$ 2,256.00           Feb-2019         \$ 1,900.00           Jul-2018         \$ 3,988.00           Jun-2019         \$ 3,988.00           May-2019         \$ 2,072.00           May-2018         \$ 3,676.00           Nov-2018         \$ 3,080.00           Oct-2018         \$ 2,282.40           Sep-2018         \$ 3924.00           Apr-2018         \$ 352.17           Dec-2018         \$ 352.17           Dec-2019         \$ 234.78           Aug-2019         \$ 234.78           Jul-2019         \$ 234.78           Mar-2019         \$ 234.78           Mar-2019         \$ 234.78           May-2018         \$ 352.17           Nov-2018         \$ 352.17           Sep-2018         \$ 352.17           Sep-2018         \$ 352.17           Sep-2018         \$ 352.17           Sep-2019         \$ 3,620.05           Feb-2019         \$ 3,620.05           Feb-		\$ •	
Feb-2019         \$ 2,492.00           Jan-2019         \$ 1,900.00           Jul-2018         \$ 3,988.00           Jur-2019         \$ 3,828.00           Mar-2019         \$ 3,676.00           Nov-2018         \$ 3,080.00           Oct-2018         \$ 3,924.00           Sep-2018         \$ 234.78           Aug-2018         \$ 352.17           Dec-2018         \$ 352.17           Erb-2019         \$ 234.78           Jul-2018         \$ 352.17           Jur-2019         \$ 234.78           Jur-2019         \$ 352.17           Nov-2018         \$ 352.17           Mar-2019         \$ 34.78           May-2018         \$ 352.17           Sep-2018         \$ 352.17           Sep-2018         \$ 352.17           Apr-2019         \$ 352.17           Sep-2018         \$ 362.00           Sep-2018         \$ 362.00           Feb-2019         \$ 3,02.00           Feb-2019         \$ 3,09.20           Jur-2018			
Jan-2019       \$ 1,900 00         Jul-2018       \$ 3,828 00         Mar-2019       \$ 2,072 00         May-2018       \$ 3,676 00         Nov-2018       \$ 3,080 00         Oct-2018       \$ 2,824 00         Sep-2018       \$ 234 78         Apr-2018       \$ 352.17         Dec-2018       \$ 352.17         Pec-2019       \$ 234 78         Feb-2019       \$ 234 78         Jul-2018       \$ 234 78         Jul-2018       \$ 352.17         Jur-2018       \$ 234 78         Mar-2019       \$ 234 78         Mar-2019       \$ 234 78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Apr-2019       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 3,723 48         Aug-2019       \$ 3,102.00         \$ 4,033 77       \$ 3,102.90         Jun-2019       \$ 3,102.90         Jun-2019       \$ 6,102.37         Mar-2019       \$ 6,102.37         Mar-2019       \$ 6,516.09 </td <td></td> <td></td> <td></td>			
Jul-2018         \$ 3,988.00           Jun-2019         \$ 2,072.00           May-2018         \$ 3,676.00           Nov-2018         \$ 3,080.00           Oct-2018         \$ 2,824.00           Sep-2018         \$ 352.17           Apr-2018         \$ 234.78           Aug-2018         \$ 352.17           Dec-2018         \$ 234.78           Feb-2019         \$ 234.78           Jul-2018         \$ 352.17           Jul-2019         \$ 234.78           Mar-2019         \$ 234.78           Mar-2019         \$ 234.78           May-2018         \$ 352.17           Nov-2018         \$ 352.17           Sep-2018         \$ 3,620.05           Sep-2018         \$ 3,620.05           Sep-2018         \$ 6,102.37           Mar-2019         \$ 3,620.05           Sep-2018         \$ 6,309.23           Jun-2019         \$ 6,509.23           Mar-2019         \$ 4,033.77           Mar-2019 <td></td> <td></td> <td></td>			
Jun-2018       \$ 3,828.00         Mar-2019       \$ 2,072.00         May-2018       \$ 3,080.00         Nov-2018       \$ 3,080.00         Oct-2018       \$ 3,224.00         Exp-2018       \$ 2,824.00         Apr-2018       \$ 3,224.00         Apr-2018       \$ 3352.17         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jun-2019       \$ 234.78         Mar-2019       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2019       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 6,102.37         Apr-2019       \$ 3,020.05         Feb-2019       \$ 3,020.05         Feb-2019       \$ 6,102.37         Jun-2018       \$ 6,102.37         Mar-2019       \$ 6,102.37 <td></td> <td></td> <td></td>			
Mar-2019       \$ 2,072.00         May-2018       \$ 3,676.00         Nov-2018       \$ 3,080.00         Oct-2018       \$ 2,824.00         Sep-2018       \$ 3,924.00         Apr-2018			
May-2018       \$ 3,676.00         Nov-2018       \$ 3,080.00         Cct-2018       \$ 2,824.00         Sep-2018       \$ 3,924.00         Apr-2018         Aug-2018       \$ 352.17         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 234.78         Jan-2019       \$ 352.17         Jun-2018       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2019       \$ 3,102.90         Jun-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jun-2019       \$ 2,689.18         Jun-2019       \$ 3,620.05         Feb-2019       \$ 3,09.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 5,586.65         Sep-2018       \$ 5,588.65         Apr-2018       \$ 330.00			
Nov-2018       \$ 3,080.00         Oct-2018       \$ 2,824.00         Sep-2018       \$ 3,924.00         Apr-2018       \$ 234.78         Aug-2018       \$ 234.78         Feb-2019       \$ 234.78         Jun-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2018       \$ 234.78         May-2019       \$ 234.78         May-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Feb-2019       \$ 3,620.05         Jun-2018       \$ 6,102.37         Feb-2019       \$ 3,102.90         Jun-2018       \$ 6,309.23         Mar-2019       \$ 6,309.23         Jun-2018       \$ 6,309.23         Nov-2018       \$ 5,585.22         Nov-2018       \$ 5,585.22         Nov-2018       \$ 5,585.22         Nov-2018       \$ 5,688.65         Apr-2018       \$ 330.00			
Oct-2018       \$ 2,824.00         Sep-2018       \$ 3,924.00         Apr-2018       \$ 234.78         Aug-2018       \$ 352.17         Dec-2019       \$ 234.78         Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 352.17         Sep-2018       \$ 352.17         Sep-2018       \$ 352.17         Sep-2018       \$ 352.17         Sep-2018       \$ 3,620.05         Feb-2019       \$ 3,620.05			•
Sep-2018       \$ 3,924.00         Apr-2018       \$ 234.78         Aug-2018       \$ 352.17         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,723.48         Aug-2019       \$ 3,102.90         Jan-2019       \$ 3,102.90         Jan-2019       \$ 3,102.90         Jun-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 6,516.09         Mar-2019       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25			
Aug-2018       \$ 352.17         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2019       \$ 352.17         Sep-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,620.05         Jun-2018       \$ 6,309.23         Jun-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Sov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25			
Aug-2018       \$ 352.17         Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2019       \$ 352.17         Sep-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,620.05         Jun-2018       \$ 6,309.23         Jun-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Sov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25	Apr 2018	6	234.78
Dec-2018       \$ 234.78         Feb-2019       \$ 234.78         Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Sep-2018       \$ 352.17         Pec-2018       \$ 352.17         Sep-2018       \$ 6,102.37         Pec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2019       \$ 4,033.77         May-2019       \$ 4,033.77         May-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 5,585.22         Nov-2018       \$ 5,688.65         Jun-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00			
Feb-2019       \$ 234.78         Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Oct-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,309.23         Nov-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00         Apr-2018       \$ 330.00	-		
Jan-2019       \$ 234.78         Jul-2018       \$ 352.17         Jun-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Cct-2018       \$ 352.17         Sep-2018       \$ 352.17         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,020.05         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,309.23         Jun-2019       \$ 4,033.77         May-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00         Apr-2018       \$ 330.00			
Jul-2018       \$ 352.17         Jun-2018       \$ 234.78         Mar-2019       \$ 352.17         Nov-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,620.05         Feb-2019       \$ 3,02.05         Jun-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,309.23         Nov-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 5,585.22         Nov-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00			
Jun-2018       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jun-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2019       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 330.00         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00         Apr-2018       \$ 330.00			
Mar-2019       \$ 234.78         May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00			
May-2018       \$ 352.17         Nov-2018       \$ 234.78         Oct-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00         Sep-2018       \$ 330.00			
Nov-2018       \$ 234.78         Oct-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00			
Oct-2018       \$ 352.17         Sep-2018       \$ 352.17         Apr-2018       \$ 3,723.48         Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 9,205.27         Jun-2018       \$ 330.00         Apr-2018       \$ 330.00	Nov-2018		
Apr-2018 Aug-2018 Aug-2018 S Cec-2018 S S S S S S S S S S S S S S S S S S S	Oct-2018		352.17
Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25	Sep-2018	\$	352.17
Aug-2018       \$ 6,102.37         Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25	Ann 2018	<b>C</b>	2 722 48
Dec-2018       \$ 3,620.05         Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25		<b>.</b>	
Feb-2019       \$ 3,102.90         Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25		<b>.</b>	
Jan-2019       \$ 2,689.18         Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25		Ф С	
Jul-2018       \$ 6,309.23         Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25			
Jun-2018       \$ 6,516.09         Mar-2019       \$ 4,033.77         May-2018       \$ 5,585.22         Nov-2018       \$ 9,205.27         Sep-2018       \$ 5,688.65         Jun-2018       \$ 330.00         Apr-2018       \$ 14,024.25		\$ \$	
Mar-2019 \$ 4,033.77 May-2018 \$ 5,585.22 Nov-2018 \$ 9,205.27 Sep-2018 \$ 5,688.65  Jun-2018 \$ 330.00  Apr-2018 \$ 14,024.25			
May-2018 \$ 5,585.22 Nov-2018 \$ 9,205.27 Sep-2018 \$ 5,688.65  Jun-2018 \$ 330.00  Apr-2018 \$ 14,024.25		<b>\$</b>	
Nov-2018 \$ 9,205.27 Sep-2018 \$ 5,688.65  Jun-2018 \$ 330.00  Apr-2018 \$ 14,024.25		\$	
Sep-2018 \$ 5,688.65  Jun-2018 \$ 330.00  Apr-2018 \$ 14,024.25			
Jun-2018 \$ 330.00 Apr-2018 \$ 14,024.25			
Apr-2018 \$ 14,024.25	Sep-2018	<b>J</b>	2,000.00
			330.00
	Jun-2018 Apr-2018	\$ \$	330.00 14,024.25

Counterparty and Payment Dates		REC Cost
Dec-2018	\$	9,090.75
Feb-2019	\$	9,936.00
Jan-2019	\$	7,831.50
Jul-2018	\$	16,025.25
Jun-2018	\$	15,266.25
Mar-2019	\$	8,711.25
May-2018	\$	15,921.75
Nov-2018	\$	12,161.25
Oct-2018	\$	11,040.00
Sep-2018	\$	15,611.25
Apr-2018	\$	2,476.00
Aug-2018	\$	2,608.00
Dec-2018	\$	1,664.00
Feb-2019	\$	1,772.00
Jan-2019	\$	1,464.00
Jul-2018	\$	2,844.00
Jun-2018	\$	2,572.00
Mar-2019	\$	1,532.00
May-2018	\$	2,908.00
Nov-2018	\$	2,276.00
Oct-2018	\$	1,884.00
Sep-2018	\$	2,792.00
Apr-2018	\$	4,015.00
Aug-2018	\$	4,185.00
Dec-2018	\$	2,755.00
Feb-2019	\$	2,940.00
Jan-2019	\$	2,280.00
Jul-2018	\$	4,525.00
Jun-2018	\$	4,200.00
Mar-2019	\$	2,545.00
May-2018	\$	4,665.00
Nov-2018	\$	3,690.00
Oct-2018	\$	3,195.00
Sep-2018	\$	4,450.00
Apr-2018	\$	4,030.00
Aug-2018	\$	4,445.00
Dec-2018	\$	2,750.00
Feb-2019	\$	3,015.00
Jan-2019	\$	2,355.00
Jul-2018	\$	4,750.00
Jun-2018	\$	4,570.00
Mar-2019	\$	2,490.00
May-2018	\$	4,580.00
Nov-2018	\$	3,720.00
Oct-2018	\$	3,360.00
Sep-2018	\$	4,585.00
	¥	.,505.00
Apr-2018	\$	86,071.00
Aug-2018	\$ \$	92,192.00
Dec-2018	\$	96,206.88
Feb-2019	\$	102,286.80
Jan-2019	\$	99,681.12
Jul-2018	\$	86,190.00
Jun-2018	\$	92,684.00
Mar-2019	\$	91,605.36
May-2018	\$	89,692.00
Nov-2018	\$	90,718.32
1107 2010	Φ	90,710.32

Counterparty and Payment Dates		REC Cost
Oct-2018	\$	81,977.28
Sep-2018	\$	97,315.68
Apr-2018	\$	3,076.00
Aug-2018	\$	3,548.00
Dec-2018	\$	1,940.00
Feb-2019	\$	2,112.00
Jan-2019	\$	1,348.00
Jul-2018	\$	3,860.00
Jun-2018	\$	3,712.00
Mar-2019	\$	1,988.00
May-2018	\$	3,712.00
Nov-2018	\$	2,596.00
Oct-2018	\$	2,512.00
Sep-2018	\$	3,812.00
Apr-2018	\$	1,205.00
Aug-2018	\$	1,940.00
Dec-2018	\$	1,085.00
Feb-2019	\$	1,080.00
Jan-2019	\$	1,045.00
Jul-2018	\$	1,960.00
Jun-2018	\$	2,065.00
Mar-2019	\$	1,415.00
May-2018	\$	1,815.00
Nov-2018	\$	3,200.00
Sep-2018	\$	1,760.00
Apr-2018	\$	3,740.00
Aug-2018	\$	4,465.00
Dec-2018	\$	2,630.00
Feb-2019	\$	2,870.00
Jan-2019	\$	1,940.00
Jul-2018	\$	4,595.00
Jun-2018	\$	4,480.00
Mar-2019	\$	2,530.00
May-2018	\$	4,475.00
Nov-2018	\$	3,670.00
Oct-2018	\$	3,040.00
Sep-2018	\$	4,610.00
Apr-2018	\$	3,176.00
Aug-2018	\$	3,848.00
Dec-2018	\$	2,348.00
Feb-2019	\$	2,476.00
Jan-2019	\$	1,872.00
Jul-2018	\$	3,988.00
Jun-2018	\$	3,896.00
Mar-2019	\$	2,060.00
May-2018	\$	3,712.00
Nov-2018	\$	3,112.00
Oct-2018	\$	3,132.00
Sep-2018	\$	3,936.00
Apr-2018	\$	3,276.00
Aug-2018	\$	3,904.00
Dec-2018	\$	2,360.00
Feb-2019	\$	2,448.00
100-2019	*	-,
Jan-2019	\$	1,904.00

Counterparty and Payment Dates		REC Cost
Jun-2018	\$	3,600.00
Mar-2019	\$	2,096.00
May-2018	\$	3,792.00
Nov-2018	\$	3,212.00
Oct-2018	\$	2,760.00
Sep-2018	\$	3,992.00
Apr-2018	\$	4,055.00
Aug-2018	\$	4,425.00
Dec-2018	\$	2,935.00
Feb-2019	\$	3,175.00
Jan-2019	\$	2,395.00
Jul-2018	\$	4,670.00
Jun-2018	\$	4,520.00
Mar-2019	\$	2,555.00
May-2018	\$	4,490.00
Nov-2018	\$	3,515.00
Oct-2018	\$	3,665.00
Sep-2018	\$	4,555.00
Apr-2018	\$	3,755.00
Aug-2018	\$	4,595.00
Dec-2018	\$	2,750.00
Feb-2019	\$	3,020.00
Jan-2019	\$	2,120.00
Jul-2018	\$	4,655.00
Jun-2018	\$	4,635.00
Mar-2019	\$	2,600.00
May-2018	\$	4,490.00
Nov-2018	\$	3,800.00
Oct-2018	\$	3,005.00
Sep-2018	\$	4,595.00
Ann 2018	· ·	2 202 00
Apr-2018 Aug-2018	\$ \$	2,202.90 4,332.37
Dec-2018	\$	2,570.05
Feb-2019	\$	1,762.32
Jan-2019	\$	2,056.04
Jul-2018	\$	4,699.52
Jun-2018	\$	4,258.94
Mar-2019	\$	2,496.62
May-2018	\$	3,084.06
Nov-2018	\$	2,129.47
Oct-2018	\$	3,157.49
Sep-2018	\$	3,598.07
		3,570.07
Apr-2018	\$	1,990.00
Aug-2018	\$	2,020.00
Dec-2018	\$	1,372.50
Feb-2019	<b>\$</b>	1,280.00
Jan-2019	\$	1,182.50
Jul-2018	\$	2,095.00
Jun-2018	\$	1,945.00
Mar-2019	\$	1,200.00
May-2018	\$	2,187.50
Nov-2018	\$	1,655.00
Oct-2018	\$	1,440.00
Sep-2018	\$	2,130.00
Apr-2018	\$	3,980.00

Counterparty and Payment Dates		REC Cost
Aug-2018	\$	3,960.00
Dec-2018	\$	2,575.00
Feb-2019	\$	2,905.00
Jan-2019	\$	2,315.00
Jul-2018	\$	4,395.00
Jun-2018	\$	4,015.00
Mar-2019	\$	2,460.00
May-2018	\$	4,400.00
Nov-2018	\$	3,500.00
Oct-2018	\$	3,500.00
Sep-2018	\$	4,200.00
Apr-2018	\$	4,010.00
Aug-2018	\$	4,345.00
Dec-2018	\$	2,505.00
Feb-2019	\$	2,875.00
Jan-2019	\$	2,330.00
Jul-2018	\$	4,455.00
Jun-2018	\$	4,165.00
Mar-2019	\$	2,500.00
May-2018	\$	4,570.00
Nov-2018	\$ \$	3,710.00
Oct-2018	\$	3,125.00
Sep-2018	\$ \$	4,230.00
		.,
Apr-2018	\$	3,905.00
Aug-2018	\$	3,950.00
Dec-2018	\$	2,630.00
Feb-2019	\$	2,925.00
Jan-2019	\$	2,425.00
Jul-2018	\$	4,275.00
Jun-2018	\$	3,780.00
Mar-2019	\$	2,480.00
May-2018	\$	3,625.00
Nov-2018	\$	3,570.00
Oct-2018	\$	3,600.00
Sep-2018	\$	4,255.00
Apr-2018	\$	3,228.00
Aug-2018	\$	3,864.00
Dec-2018	\$	2,268.00
Feb-2019	\$	2,512.00
Jan-2019	\$	2,048.00
Jul-2018	\$	3,940.00
Jun-2018	\$	3,724.00
Mar-2019	\$	2,128.00
May-2018	\$	3,824.00
Nov-2018	\$	3,068.00
Oct-2018	\$	2,864.00
Sep-2018	\$	3,904.0
Aug-2018	\$	1,241.10
Dec-2018	\$	827.4
Feb-2019	\$	413.7
Jan-2019	\$	724.0
Jun-2018	\$	724.0
Mar-2019	\$	620.5
May-2018	\$	
	\$ \$ \$	1,034.30 930.87 1,448.02

Duke Energy Progress, LLC
Docket No. E-2, Sub 1205
2018 REPS Compliance Report

Redacted Version
Payne Exhibit No. 1, Appendix 1
June 11, 2019

Dates and Amounts of Payments for RECs - Calendar Year 2018

Counterparty and Payment Dates		REC Cost
Sep-2018	\$	1,551.45
Apr. 2019	\$	3,795.00
Apr-2018 Aug-2018	\$ \$	4,200.00
Dec-2018	\$	2,355.00
Feb-2019	\$	2,465.00
Jan-2019	\$	1,950.00
Jul-2018	\$	4,265.00
Jun-2018	\$	4,040.00
Mar-2019	\$	2,015.00
May-2018	\$	4,320.00
Nov-2018	\$	2,320.00
Oct-2018	\$	1,705.00
Sep-2018	\$	4,020.00
Apr-2018	\$	3,276.00
Aug-2018	\$	3,480.00
Dec-2018	\$	2,176.00
Feb-2019	\$	2,428.00
Jan-2019	\$ \$	1,960.00 3,756.00
Jul-2018		3,408.00
Jun-2018 Mar-2019	\$ \$	2,068.00
May-2018	\$	3,676.00
Nov-2018	\$	3,008.00
Oct-2018	\$	2,108.00
Sep-2018	\$	3,640.00
2010		3,010.00
Apr-2018	\$	375.00
Aug-2018	\$	471.50
Dec-2018	\$	264.00
Feb-2019	\$	288.50
Jan-2019	\$	179.00
Jul-2018	\$	486.00
Jun-2018	\$	453.50
Mar-2019	\$	259.50
May-2018	\$	468.50
Nov-2018	\$	375.00
Oct-2018	\$	307.50
Sep-2018	\$	480.00
Apr-2018	\$	3,770.00
Aug-2018	\$	4,850.00
Dec-2018	\$	2,640.00
Feb-2019	\$	2,915.00
Jan-2019	\$	1,960.00
Jul-2018	\$	4,920.00
Jun-2018	\$	4,805.00
Mar-2019	\$	2,525.00
May-2018	\$	4,635.00
Nov-2018	\$	3,385.00
Oct-2018	\$	3,070.00
Sep-2018	\$	4,725.00
Apr-2018	\$	2,972.00
Aug-2018	\$	3,780.00
Dec-2018	\$	2,044.00
Feb-2019	\$	1,912.00
Jan-2019	\$	1,512.00
Jul-2018	\$	3,828.00
	*	_,0=0.00

Duke Energy Progress, LLC Docket No. E-2, Sub 1205 2018 REPS Compliance Report Redacted Version
Payne Exhibit No. 1, Appendix 1
June 11, 2019

Dates and Amounts of Payments for RECs - Calendar Year 2018

Counterparty and Payment Dates		REC Cost
Jun-2018	\$	3,788.00
Mar-2019	\$	1,984.00
May-2018	\$	3,652.00
Nov-2018	\$	2,848.00
Oct-2018	\$	2,444.00
Sep-2018	\$	3,692.00
Apr-2018	\$	1,615.50
Aug-2018	\$	2,054.25
Dec-2018	\$	1,145.25
Feb-2019	\$	1,248.75
Jan-2019	\$	861.75
Jul-2018	\$	2,074.50
Jun-2018	\$	2,022.75
Mar-2019	\$	1,091.25
May-2018	\$	2,000.25
Nov-2018	\$	1,356.75
Oct-2018	\$	1,293.75
Sep-2018	\$	1,995.75
3cp-2016	J.	1,995.75
Apr-2018	\$	2,643.00
Aug-2018	\$	2,931.00
Dec-2018	\$	1,818.00
Feb-2019	\$	1,956.00
Jan-2019	\$	1,596.00
Jul-2018	\$	3,018.00
Jun-2018	\$	2,913.00
Mar-2019	\$	1,650.00
May-2018	\$	2,952.00
Nov-2018	\$	2,385.00
Oct-2018	\$	2,013.00
Sep-2018	\$	3,015.00
Apr-2018	\$	3,444.00
Aug-2018	\$	3,812.00
Dec-2018	\$	2,268.00
Feb-2019	\$	2,420.00
Jan-2019	\$	1,920.00
Jul-2018	\$	3,952.00
Jun-2018	\$	3,756.00
Mar-2019	\$	2,100.00
May-2018	\$	3,860.00
Nov-2018	\$	3,096.00
Oct-2018	\$	2,604.00
Sep-2018	\$	3,940.00
[END CONFIDENTIAL]	ψ.	5,710.00
[End Continuinting]		

Payne Exhibit No. 2 Page 1 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

EMF Period April 1, 2018 - March 31, 2019 Billing Period December 1, 2019 - November 30, 2020

Line No.	Renewable Resource	RECs Total Units only Note 3	Cost per Unit	Total Cost	RECs	Total Units	Cost per Unit	Total Cost	RECs
1 2 3	THE PERSON NAMED IN COLUMN		Y		BINE S	1	7		
5 6									
7 8									
9 10 11									
12 13 14									
15 16 17									
18 19 20									
21 22 23									
24 25 26									
27 28 29									

Payne Exhibit No. 2 Page 2 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

EMF Period April 1, 2018 - March 31, 2019

Billing Period December 1, 2019 - November 30, 2020

RECs
155 125 VOC
<b>《</b> 是
STATE AND A
THE RESERVE
4000000000

Payne Exhibit No. 2 Page 3 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

EMF Period
April 1, 2018 - March 31, 2019

RECs Total Units Cost per only Note 3 Unit Total Cost RECs

EMF Period
Billing Period
December 1, 2019 - November 30, 2020

Total Units Cost per Note 3 Unit Total Cost RECs



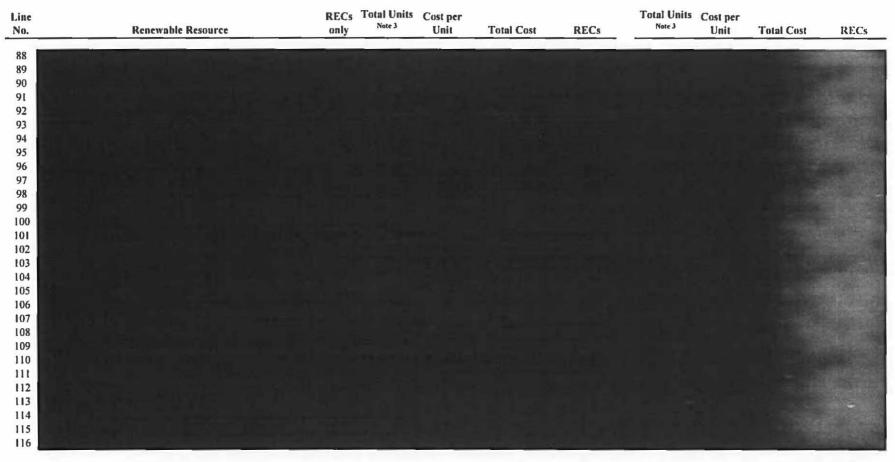
Payne Exhibit No. 2 Page 4 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

 EMF Period
 Billing Period

 April 1, 2018 - March 31, 2019
 December 1, 2019 - November 30, 2020



Payne Exhibit No. 2 Page 5 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

Compliance Costs

Compliance Costs				ENIF Period April 1, 2018 - March 31, 2019			Billing Period December 1, 2019 - November 30, 2020			
Line No.	Renewable Resource	RECs	Total Units	Cost per Unit	Total Cost	RECs	Total Units	Cost per Unit	Total Cost	RECs
117 118	We the state of the				12 - 12 1	1 2 4				
119 120										
121										
22										
24 25										
.6 .7										
28										
0										
2 3										
4										
66										
7 8										
9										
41 42										
43 44										
145										

Payne Exhibit No. 2 Page 6 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

EMF Period Billing Period
April 1, 2018 - March 31, 2019 December 1, 2019 - November 30, 2020

RECs Total Units Cost per Total Units Cost per Line Note 3 Note 3 only Unit **Total Cost** RECs Unit **Total Cost** No. Renewable Resource RECs 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174

Payne Exhibit No. 2 Page 7 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

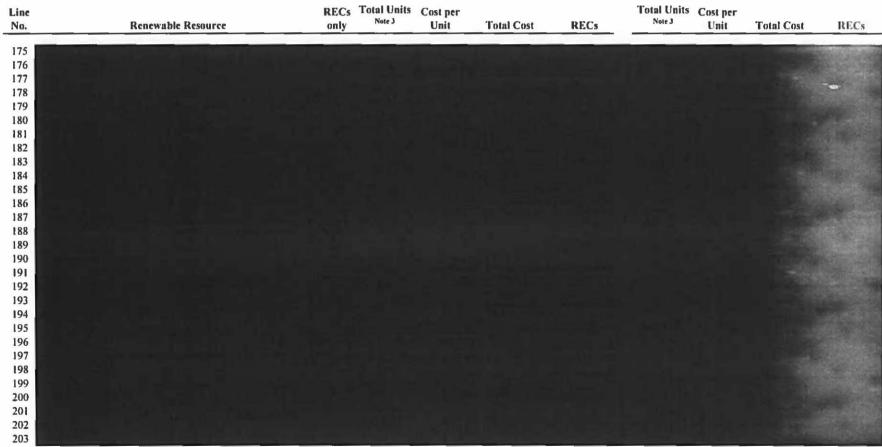
**Compliance Costs** 

EMF Period
April 1, 2018 - March 31, 2019

Units Cost per

Unit Total Cost RECs

Note 3 Unit Total Cost RECs



Payne Exhibit No. 2 Page 8 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

Compliance Costs

ompuance Costs					F Period 3 - March 31, 2019	·	Dece		ng Period 9 - November 30	, 2020
line No.	Renewable Resource	RECs only	Total Units	Cost per Unit	Total Cost	RECs	Total Units	Cost per Unit	Total Cost	RECs
04				12.2	al N	. 11	7	700	- WELL	1
6										
7										
9										
D Hill 1841										
The same										
2 3										
4										
5										
17										

Payne Exhibit No. 2 Page 9 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

**EMF Period Billing Period** April 1, 2018 - March 31, 2019 December 1, 2019 - November 30, 2020 RECs Total Units Cost per Total Units Cost per Line only **RECs** No. Renewable Resource Unit **Total Cost** Unit **Total Cost** RECs 228 229 230 231 232 233 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249

Payne Exhibit No. 2 Page 10 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

#### Compliance Costs

ne D.			EMF Period April 1, 2018 - March 31, 2019				Billing Period December 1, 2019 - November 30, 2020				
	Renewable Resource	RECs only	Total Units	Cost per Unit	Total Cost	RECs	Total Units	Cost per Unit	Total Cost	RECs	
0		- 100		Year		200		704	77.7		
1											
3											
4											
5											
6											
7											
8											
9											
0											
. 0.1		. ~									
	er Incremental Cost (see Payne Exhibit No. 3 for Incremen ing Period estimated credits for receipts related to contracts (see			S	1,631,233	Note I			\$ 1,721,000 \$ (700,000)		
	ar Rebate Program (see Payne Exhibit No. 3 for cost detail)	rayne Exilio	II NO. 3)		281,211	Note I			\$ 1,220,856	Pinte I	
	search (see Payne Exhibit No. 3 for Research cost detail)			\$	923,051				\$ 900,000		
	al Research and Other Incremental Cost			S				Γ	\$ 3,141,856	1	
								3.		<b>.</b>	
6 Tota	al REPS Cost - to Williams Exhibit No. 1			S	221,506,130				\$ 228,016,561	]	
			2020 22 27 3	. Fig. 12							
7 EMI	F Period actual credits for receipts related to contracts - to				(758,000)						

Payne Exhibit No. 2 Page 11 of 11 June 11, 2019

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

**Compliance Costs** 

•		ğ			F Period 3 - March 31, 2019		Dece		ing Period 9 - November 30	), 2020
Line No.	Renewable Resource	RECs only	Total Units	Cost per Unit	Total Cost	RECs	Total Units	Cost per Unit	Total Cost	RECs

#### Notes

Note 1: EMF Period contract receipts are not included in the under/overcollection calculation on Williams Exhibit No. 2, instead they are credited directly to customer class on Williams Exhibit No. 4. Estimated contract receipts are included in Billing Period total other incremental cost as a reduction in REPS charges proposed for the Billing Period.

Note 2: The revenue requirements associated with each of the Company's solar generating facilities were included in total in the Company's base rate case in Docket No. E-2, Sub 1142. The Commission accepted DEP's conclusion that the facility costs included in its proposed base rates were prudently incurred and approved recovery through base rates. Annual levelized costs are no longer calculated and reported in this exhibit.

Note 3: Total units refers to MWhs for bundled energy and REC purchases or to RECs for purchases denoted as RECs only.

#### DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

Payne Exhibit No. 3
Page 1 of 3
June 11, 2019

#### REDACTED VERSION

EMF Period April 1, 2018 -March 31, 2019 Billing Period December 1, 2019 -November 30, 2020

#### Line No. Incremental Cost Worksheet:

	Labor by activity:			
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18				9.35
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20	Total Other Incremental Cost	\$	1,631,233 \$	1,721,000
	Solar Rebate Program Cost Detail (recovery in REPS pursuant to G.S. 62-155(f)): (1)			
21	Annual Amortization of Incentives Provided to Customers, plus return on unamortized balance		265,607	1,186,097
22	Annual Amortization of Program Administrative Labor Costs, plus return on unamortized balance			
	Annual Amortization of Program Administrative Contract Labor & Other Administrative Costs, plus return on			1.00
23	unamortized balance			
24	Total Solar Rebate Program Cost	\$	281,211 \$	1,220,856

<sup>(1)</sup> All annual Solar Rebate Program costs reflect amortization of incurred costs over 20 years, including a return on the unamortized balance.

Payne Exhibit No. 3

Page 2 of 3 June 11, 2019

#### DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

REDACTED VERSION **EMF** Period **Billing Period** April 1, 2018 -December 1, 2019 -March 31, 2019 November 30, 2020 Line No. Incremental Cost Worksheet: Research Cost Detail: Alliance for Sustainable Energy - Solar Impact Analysis 25 26 **CAPER - Smart Battery Gauge** 27 Clemson University - Small DG Interface Testing 28 Coalition for Renewable Natural Gas Membership 29 DER Risks to Transformers and Transmission 30 **EPRI** Membership EPRI - Inverter Onboard Islanding Detection Case Study Project 31 32 ETO - Mitigation of Transformer High Inrush Current 33 FREEDM Center - NCSU 34 IEEE 1547 Conformity Assessment Pilot Project 35 Marshall Solar Site Storage Integration and Controller Design NCSU - ETO - Grid-forming Battery Energy Storage System Characterization & Testing 36 37 NCSU - Interactions of PV Installations with Distribution Systems 38 PNNL - Dynamic Var Compensator Pilot 39 Research Triangle Institute - Biogas Utilization in NC 40 Rocky Mountain Institute - eLab Swine Extrusion/Poultry Mortality - NC State Natural Resources Foundation 41 42 UNCC - Evaluation of Fault Scenarios and Mitigation Techniques 43 UNCC - Hardware Cyber Security for DER Inverters 44 Total Research Cost S 923,051 S 900,000

Payne Exhibit No. 3

#### DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

Docket No.	E-2, Sub 1205  REDACTED VERSION  Incremental Cost Worksheet:	Apri	IF Period il 1, 2018 - ch 31, 2019	Billing Period December 1, 2019 - November 30, 2020		Page 3 of 3 June 11, 2019
45 46 47 48 49	Total Other Incremental Cost Projected credits for receipts related to contract amendments/liquidated damages, etc Total Other Incremental Cost and other credits Total Solar Rebate Program Cost Total Research Cost	s s	1,631,233 1,631,233 281,211 923,051	\$	1,721,000 (700,000) 1,021,000 1,220,856 900,000	
50	Grand Total - Other Incremental, Solar Rebate Program, and Research Cost, other credits	S	2,835,495	S	3,141,856	
51	EMF Period actual credits for receipts related to contracts - see Note 1	\$	(758,000)	<u> 163</u>		
52	Net Other Incremental, Solar Rebate Program and Research Cost	S	2,077,495	S	3,141,856	

Note 1: EMF Period contract receipts are not included in the under/overcollection calculation on Williams Exhibit No. 2, instead they are credited directly to customer class on Williams Exhibit No. 4. Estimated contract receipts are included in Billing Period total other incremental cost as a reduction in REPS charges proposed for the Billing Period.

## PAYNE CONFIDENTIAL EXHIBIT NOS. 4 - 14 DOCKET NO. E-2, SUB 1205

**CONFIDENTIAL – FILED UNDER SEAL** 



#### Office of Research Contracts

3040 Cornwallis Road PO Box 12194 Research Triangle Park, NC 27709-2194 USA Telephone 919.541.6000 Fax 919.541.7148 www.rti.org

October 16, 2018

Mr. Travis Payne Business Development Manager Distributed Energy Resources Duke Energy Corporation

Dear Mr. Payne,

RTI is pleased to conduct a study titled "Biogas Utilization in North Carolina: Opportunities and Impact Analysis" with grant funding of \$250,000 per year for two years from Duke Energy. The objectives of the study will be to:

- a. Determine the potential bioenergy/biogas resources available in North Carolina
- b. Identify the most beneficial and optimum utilization of resources to maximize economic, environmental and societal advantages.

RTI will collaborate with Duke University, East Carolina University, North Carolina State University and University of North Carolina at Chapel Hill to carry out the tasks based on recommendations laid out in the NC Department of Environmental Quality's Energy Policy Council Report. The following will be the deliverables from this study:

- 1. Bioenergy/Biogas inventory for North Carolina
- 2. Impact analysis for various products from biogas
- 3. Decision-support tool
- 4. Optimal resource utilization plan

A preliminary budget breakdown is shown in Table 1. The budget splits between the subcontractors will be finalized during sub-award negotiations.

	Year 1	Year 2
RTI	\$25,000	\$25,000
Sub-Contractors		
Duke University		
East Carolina University		
NC State University		
Total Sub-Contractors	\$225,000	\$225,000
Total Grant Award	\$250,000	\$250,000

Table 1: Proposed preliminary budget

If this is acceptable to you, we would be pleased to authorize this effort as a grant pursuant to RTI's standard terms and conditions (<a href="https://www.rti.org/sites/default/files/ffp\_quote\_terms\_final.pdf">https://www.rti.org/sites/default/files/ffp\_quote\_terms\_final.pdf</a>). Please note that any reference to a "fixed price contract" in the incorporated terms and conditions is hereby replaced with the term "grant."

If acceptable, please sign and return this offer letter at your earliest convenience. We plan to commence this two-year period of performance upon your acceptance of this offer and will submit an invoice for Year 1 promptly.



#### Office of Research Contracts

3040 Cornwallis Road • PO Box 12194 • Research Triangle Park, NC 27709-2194 • USA Telephone 919.541.6000 • Fax 919.541.7148 • www.rti.org

Thank you for your consideration. If you have any questions regarding this submission, please contact me at kehayes@rti.org or 919-541-7482.

Sincerely,

Katie Hayes

**Senior Contracting Officer** 

**DUKE ENERGY CORPORATION ACCEPTANCE** 

Name David B. Johnson

Title Director

Date 10/23/18

## PAYNE CONFIDENTIAL EXHIBIT NOS. 16 - 18 DOCKET NO. E-2, SUB 1205

**CONFIDENTIAL – FILED UNDER SEAL** 

#### BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

#### DOCKET NO. E-2, SUB 1205

In the Matter of	)	
	)	
Application of Duke Energy Progress, LLC for	)	DIRECT TESTIMONY
Approval of Renewable Energy and Energy	)	OF VERONICA I.
Efficiency Portfolio Standard (REPS)	)	WILLIAMS
Compliance Report and Cost Recovery Rider	)	
Pursuant to N.C. Gen. Stat. § 62-133.8 and	)	
Commission Rule R8-67	)	
	)	
	)	

- 2 A. My name is Veronica I. Williams, and my business address is 550 South Tryon
- 3 Street, Charlotte, North Carolina.
- 4 Q. PLEASE STATE YOUR POSITION WITH DUKE ENERGY AND
- 5 DESCRIBE YOUR CURRENT RESPONSIBILITIES.
- 6 A. In my capacity as Rates and Regulatory Strategy Manager, I am responsible
- 7 for providing regulatory support related to retail and wholesale rates, providing
- 8 guidance on Renewable Energy and Energy Efficiency Portfolio Standard
- 9 ("REPS") compliance and cost recovery for Duke Energy Progress, LLC
- 10 ("Duke Energy Progress," "DEP," or the "Company") and Duke Energy
- 11 Carolinas, LLC ("Duke Energy Carolinas" or "DEC"), and preparing and filing
- testimony and exhibits in annual DEP and DEC REPS rider proceedings.
- 13 Q. PLEASE BRIEFLY SUMMARIZE YOUR EDUCATIONAL
- 14 BACKGROUND, BUSINESS BACKGROUND AND PROFESSIONAL
- 15 **AFFILIATIONS.**
- 16 A. I received a Bachelor of Science degree in Business from the University of
- 17 North Carolina at Charlotte. I am a certified public accountant licensed in the
- state of North Carolina. I began my career with Duke Power Company (now
- known as Duke Energy Carolinas) as an internal auditor and subsequently
- worked in various departments in the finance organization. I joined the Rates
- Department in 2001.
- 22 Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE NORTH
- 23 CAROLINA UTILITIES COMMISSION?

A. Yes. I most recently provided testimony in Docket No. E-7, Sub 1191 regarding

Duke Energy Carolinas' 2018 REPS compliance report and application for

approval of its REPS cost recovery rider, in Docket No. E-7, Sub 1181

regarding Duke Energy Carolinas' application to transfer certificates and

ownership interest in hydroelectric generating facilities, and in Docket No. E
2, Sub 1175 regarding Duke Energy Progress' 2017 REPS compliance report

and application for approval of its REPS cost recovery rider.

#### 8 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

9 A. The purpose of my testimony is to describe the calculation of and present the 10 support for the REPS rider proposed by Duke Energy Progress under N.C. Gen. 11 Stat. ("G.S.") § 62-133.8 and to present the information and data required by 12 Commission Rule R8-67 as set forth in Williams Exhibit Nos. 1 through 4. The 13 test period used in supplying this information and data is the twelve months 14 beginning on April 1, 2018 and ending on March 31, 2019 ("Test Period" or 15 "EMF Period"), and the billing period for the REPS rider requested in the 16 Company's application is the twelve months beginning on December 1, 2019 17 and ending on November 30, 2020 ("Billing Period").

#### 18 Q. PLEASE DESCRIBE THE EXHIBITS TO YOUR TESTIMONY.

A. Williams Confidential Exhibit No. 1 ("Williams Exhibit No. 1") identifies the total incremental REPS compliance costs for which the Company seeks recovery from Duke Energy Progress North Carolina Retail ("NC Retail") customers. Williams Confidential Exhibit No. 2 ("Williams Exhibit No. 2") shows the allocation of the total REPS compliance costs, identified in Williams

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1	Exhibit No. 1, to the Company's NC Retail customer classes for the Test Period.
2	Williams Confidential Exhibit No. 3 ("Williams Exhibit No. 3") shows the
3	allocation of the total expected REPS compliance costs, identified on Williams
4	Exhibit No. 1, to the Company's NC Retail customer classes for the Billing
5	Period. Williams Exhibit No. 4 shows the total REPS rider amounts proposed,
6	including the REPS Experience Modification Factor ("EMF"), by customer
7	class, compared to the cost cap for each customer class. Finally, Williams
8	Exhibit No. 5 is a worksheet detailing the Company's energy efficiency

10 Q. WERE THESE EXHIBITS PREPARED BY YOU OR AT YOUR
11 DIRECTION AND UNDER YOUR SUPERVISION?

certificate ("EEC") inventory balance as of December 31, 2018.

12 A. Yes.

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- 13 Q. WHAT COSTS ARE INCLUDED IN DUKE ENERGY PROGRESS'
- 14 **PROPOSED REPS RIDER?** 
  - A. The proposed REPS rider intends to recover Duke Energy Progress' incremental costs of compliance with the renewable energy requirements pursuant to G.S. § 62-133.8. The costs incurred by the Company to comply with its REPS compliance requirements are described comprehensively in the testimony of Company Witness Payne, and detailed in Payne Confidential Exhibit Nos. 2 and 3, filed in this docket. The costs incurred during the Test Period are presented in this filing to demonstrate their reasonableness and prudency as provided in North Carolina Utilities Commission ("Commission") Rule R8-67(e).

1	The rider includes the REPS EMF component to recover the difference
2	between the compliance costs incurred and revenues realized during the Test
3	Period. The proposed rider also includes a component to recover the costs
4	expected to be incurred for the Billing Period.

# Q. PLEASE DESCRIBE THE METHODOLOGY DUKE ENERGY PROGRESS USED TO CALCULATE THE INCREMENTAL COSTS OF COMPLIANCE WITH THE REPS REQUIREMENTS.

Company Witness Payne describes the costs Duke Energy Progress incurred during the Test Period and the costs it projects to incur during the Billing Period to comply with its REPS requirements. General Statute § 62-133.8(h)(1) provides that "incremental costs" means "all reasonable and prudent costs incurred by an electric power supplier" to comply with the REPS requirements "that are in excess of the electric power supplier's avoided costs other than those costs recovered pursuant to G.S. § 62-133.9."

For purchased power agreements with renewable energy facilities, Duke Energy Progress subtracted its avoided cost, as determined pursuant to R8-67(a)(2), from the total cost associated with each renewable energy purchase to arrive at the incremental cost related to the renewable energy purchase during the period in question. For biogas purchases forecast to be used to produce renewable energy at the Company's generating stations, the incremental cost is calculated by subtracting the applicable avoided cost (as determined pursuant to R8-67(a)(2)) from the total biogas cost associated with the MWhs generated.

A.

Consistent with Rule R8-67(e)(2), which provides that the cost of an unbundled renewable energy certificate ("REC") "is an incremental cost and has no avoided cost component," the total cost for REC purchases incurred during the Test Period is included in incremental costs. Further, the projected costs for REC purchases during the Billing Period are included as incremental costs.

As described in detail by Company Witness Payne in his direct testimony filed in this docket, the REPS EMF and Billing Period components of the proposed REPS rider also include compliance-related incremental administration costs, labor costs, and costs related to research incurred during the EMF Period and estimated for the Billing Period, respectively. Additionally, as further detailed in the testimony of Witness Payne, an amount equal to the annual amortization of Solar Rebate Program costs incurred pursuant to G.S. § 62-155(f) applicable to the Billing Period is also included for recovery in the proposed REPS rider.

- Q. PLEASE DESCRIBE HOW DUKE ENERGY PROGRESS ALLOCATES INCREMENTAL REPS COSTS AMONG CUSTOMER CLASSES FOR REPS AND REPS EMF RIDER PURPOSES.
  - Incremental costs assigned to Duke Energy Progress' NC Retail customers are separated into two categories: costs related to solar, poultry and swine waste compliance requirements, and research and other incremental and Solar Rebate costs ("Set-Aside and Other Incremental Costs"); and costs related to the

A.

General Requirement<sup>1</sup> ("General Incremental Costs"). This separation is based on the percentages of Set-Aside and Other Incremental Costs, and General Incremental Costs, calculated on Williams Exhibit No. 1. This separation is calculated in Williams Exhibit No. 1.

Set-Aside and Other Incremental Costs are allocated among customer classes based on per-account cost caps. General Incremental Costs are allocated among customer classes in a manner that gives credit for EE RECs (for which there are no General Incremental Costs) according to the relative energy reduction contributed by each customer class. As a result, General Incremental Costs are allocated among customer classes based on each class' pro-rata share of requirements for non-EE general RECs. The calculations for allocating General Incremental Costs reflect the updated method recommended by the Public Staff, and accepted by the Commission in its November 17, 2017 Order Approving REPS and REPS EMF Rider and Approving REPS Compliance Report in DEP's 2017 REPS rider filing in Docket No. E-2, Sub 1144. The Company notes that any deviation from allocating costs according to the statutory per-account cost cap ratios creates the potential for the resulting charges computed for one or more classes to exceed the per-account cost cap(s). If that occurs, the Company would continue to reallocate the costs in excess of the cap for the affected customer class to the other customer classes to the extent required to produce charges for all classes that do not exceed the respective caps.

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<sup>&</sup>lt;sup>1</sup> The Company generally refers to the "General Requirement" as its overall REPS requirement, set forth in N.C. Gen. Stat. § 62-133.8(b), net of the three set-asides.

1	Q.	PLEASE DESCRIBE HOW DUKE ENERGY PROGRESS
2		CALCULATED THE PROJECTED PORTION OF THE REPS RIDER
3		THAT THE COMPANY PROPOSES FOR THE BILLING PERIOD.
4	A.	Using the allocation methods described above, and as shown on Williams
5		Exhibit No. 3, the Set-Aside and Other Incremental Costs and the General
6		Incremental Costs are calculated by customer class for the Company's NC
7		Retail customers. The Set-Aside and Other Incremental Costs and General
8		Incremental Costs are summed for the Billing Period by customer class to arrive
9		at a total REPS cost to be collected from the Company's NC Retail customers.
10		On Williams Exhibit No. 4, the cost allocated to each customer class is then
11		divided by the total projected number of Duke Energy Progress NC Retail
12		accounts within each customer class to arrive at the total annual cost to be
13		recovered from each account over the Billing Period. The monthly NC Retail
14		REPS rider for each customer class is one-twelfth of the total annual cost.
15	Q.	PLEASE EXPLAIN THE CALCULATION OF THE PROPOSED REPS
16		EMF.
17	A.	Using the allocation methods described above, and as shown on Williams
18		Exhibit No. 2, the Set-Aside and Other Incremental Costs and the General
19		Incremental Costs are calculated by customer class for the Company's NC
20		Retail customers. The Set-Aside and Other Incremental Costs and General
21		Incremental Costs are summed for the Test Period by customer class to illustrate
22		the total REPS cost assigned to the Company's NC Retail customers. The
23		actual NC Retail revenues realized during the Test Period by customer class are

then subtracted from the total REPS costs by customer class to arrive at the EMF for each class. On Williams Exhibit No. 4, the total EMF over/under collection to be recovered from each customer class is adjusted to include any credits to customers not considered a refund of amounts advanced by customers, and then divided by the total projected number of Duke Energy Progress NC Retail accounts within each customer class to arrive at the total EMF to be recovered from each account over the Billing Period. The monthly EMF for each customer class is one-twelfth of the total EMF.

- Q. DOES DUKE ENERGY PROGRESS DEFINE A "CUSTOMER" FOR 10 PURPOSES OF REPS BILLING IN ACCORDANCE WITH THE COMMISSION'S ORDER ISSUED NOVEMBER 12, 2009 IN DOCKET 12 NO. E-2, SUB 948?
  - A. Yes. Consistent with the Commission's order issued November 12, 2009 in Docket No. E-2, Sub 948, for purposes of REPS billing, a customer is defined as all accounts (metered and unmetered) serving the same customer of the same revenue classification located on the same or contiguous properties. If a customer has accounts that serve in an auxiliary role to a main account on the same premises, no REPS charge applies to the auxiliary accounts, regardless of their revenue classification. Upon written notification from the customer, accounts meeting these criteria are coded in the billing system to allow the customer to receive only one monthly REPS charge for all identified accounts.

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1	Q.	DOES THE COMPANY PROJECT THE REPS CHARGE TO EACH
2		CUSTOMER ACCOUNT FOR THE BILLING PERIOD TO BE WITHIN
3		THE ANNUAL COST CAPS DEFINED IN N.C. GEN. STAT. 8.62-133.89

4 A. Yes. In NC House Bill 589, the General Assembly revised G.S. § 62133.8(h)(4) to lower the annual cost cap for the Residential customer class from
\$34.00 to \$27.00 in years subsequent to 2014, for cost recovery proceedings
initiated on or after July 1, 2017. Accordingly, the Company has applied that
revision to the cost caps in this cost recovery proceeding. As shown in Williams
Exhibit No. 4, the annual charge for each customer class, including regulatory

### 11 Q. HOW DOES DUKE ENERGY PROGRESS PROPOSE TO COLLECT 12 THE REPS CHARGES FROM EACH CUSTOMER CLASS?

fee, is below the per-account cap as defined in N.C. Gen. Stat. § 62-133.8.

13 A. The Company proposes a fixed monthly charge be added to the bill for each class of customer.

## 15 Q. WHAT IS THE MONTHLY REPS CHARGE PROPOSED BY THE 16 COMPANY FOR EACH CUSTOMER CLASS?

17 A. The Company proposes the following REPS charges to be effective December 1, 2019.

Customer	Per month – excluding	Per month – including	Annual – including	Annual per account cost
class	regulatory fee	regulatory fee	regulatory fee	cap
Residential	\$ 1.43	\$ 1.43	\$17.16	\$ 27.00
General	\$ 8.11	\$ 8.12	\$97.44	\$150.00
Industrial	\$ 58.59	\$ 58.67	\$704.04	\$1,000.00

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## 20 Q. WHAT IS THE CHANGE IN THE MONTHLY REPS CHARGE 21 PROPOSED BY THE COMPANY FOR EACH CUSTOMER CLASS?

- 1 A. The following tables show the proposed monthly REPS rider charges, and a
  2 comparison to the monthly REPS rider charges currently in effect with and
  3 without the regulatory fee applied.
- 4 Excluding regulatory fee

		Proposed		Current Change						
Customer class	EMF	Rider	Total	EMF	Rider	Total	EMF	Rider	Total	
Residential	\$ 0.04	\$ 1.39	\$ 1.43	\$ 0.12	\$ 1.30	\$ 1.42	\$ (0.08)	\$ 0.09	\$ 0.01	
General	\$(0.73)	\$ 8.84	\$ 8.11	\$(0.66)	\$ 8.61	\$ 7.95	\$ (0.07)	\$ 0.23	\$ 0.16	
Industrial	\$(4.48)	\$63.07	\$58.59	\$ 8.11	\$64.96	\$73.07	\$(12.59)	\$(1.89)	\$(14.48)	

#### Including regulatory fee:

		Proposed			Current		Change				
Customer class	EMF	Rider	Total	EMF	Rider	Total	EMF	Rider	Total		
Residential	\$ 0.04	\$ 1.39	\$ 1.43	\$ 0.12	\$ 1.30	\$ 1.42	\$ (0.08)	\$ 0.09	\$ 0.01		
General	\$(0.73)	\$ 8.85	\$ 8.12	\$(0.66)	\$ 8.62	\$ 7.96	\$ (0.07)	\$ 0.23	\$ 0.16		
Industrial	\$(4.49)	\$63.16	\$58.67	\$ 8.12	\$65.05	\$73.17	\$(12.61)	\$(1.89)	\$(14.50)		

## Q. PLEASE DESCRIBE THE EEC INVENTORY DETAILS PRESENTED IN WILLIAMS EXHIBIT NO. 5.

A. Williams Exhibit No. 5 shows a reconciliation of the Company's EEC inventory balance available for REPS compliance as of December 31, 2018, as well as references to the evaluation, measurement and verification ("EM&V") reports the results of which are incorporated into current EEC balances. The Company annually determines the level of EECs generated and available for REPS compliance, and this update includes the results of any periodic EM&V performed to-date, adjustments identified in the course of the Company's ongoing analysis of energy efficiency program effectiveness, as well as any other corrections. The updated cumulative level of EECs generated to date is compared to the number of EECs previously reported for compliance, less any

1	EECs used for compliance, to determine the EECs to be added to inventory in
2	the North Carolina Renewable Energy Certificate Tracking System for the most
3	recent calendar year. Williams Exhibit No. 5 shows the calculation of EECs
4	added to inventory for 2018, including details of the adjustments incorporated
5	therein.

- 6 Q. DOES THE COMPANY CONTINUE TO INCORPORATE THE
  7 COMMISSION'S ORDER ADDRESSING THE DURATION OF
  8 ENERGY EFFICIENCY SAVINGS AS CALCULATED FOR REPS
- 9 **COMPLIANCE PURPOSES?**
- 10 Yes. In its January 17, 2017 Order Approving REPS and REPS EMF Rider and A. 11 REPS Compliance Report in the Duke Energy Progress REPS Docket No. E-2, 12 Sub 1109, the Commission directed DEP to limit its continued recognition of EE savings initiated in a particular EE program year to the life of the measure 13 14 or program as established in DEP's energy efficiency rider proceedings held 15 pursuant to G.S. § 62-133.9. Consistent with that Order, in this rider filing DEP 16 continues to calculate EE savings only for the duration of the established 17 measure life of each program or measure.
- 18 Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- 19 A. Yes.

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1205
Compliance Costs for the EMF Period April 1, 2018 to March 31, 2019

Williams Exhibit No. 1 Page 1 of 2 June 11, 2019

Line No.	Renewable Resource	RECs - Payne Exhibit No. 2	MWh (Energy)	Total Cost - Payne Exhibit No. 2	Avoided Cost	Incremental Cost	Avoided Cost Recovered in Fuel Cost Adjustment Rider
1							
2							
3							
4 5							
6							
U							
7	4						
20							
8	Other Incremental cost			\$ 1,631,233		\$ 1,631,233 (f)	
9	Solar Rebate Program			\$ 281,211	Payne Exhibit No.	\$ 281,211 (g)	
10	Research			\$ 923,051		\$ 923,051 (h)	
11	Total			\$ 221,506,130		S 36,616,233 (below	0
				Payne Exhibit No. 2			
						Incremental	Percent of Total
	Incremental cost category					Cost	Incremental Cost
12							
13							
14	Total					S 36,616,233	100.00%
						(above)	
15	Allocate estimated incremental co	ist of solar resourc	es netween s	olar compliance re	equirement and	general compliance rec	quirement:
16							
17							
18							
19							
20							

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1205
Compliance Cost for the Billing Period December 1, 2019 to November 30, 2020

Williams Exhibit No. 1 Page 2 of 2 June 11, 2019

**Avoided Cost** 

Line No.	Renewable Resource	RECs - Payne Exhibit No. 2	MWh (Energy)	To	tal Cost - Payne Exhibit No. 2	Avoided Cost	ı	ncremental Cost		Recovered in Fuel Cost Adjustment Rider
1		31								
2										1
4										
5										
6										
7										
8				-21						
9	Other Incremental cost			\$	1,721,000		\$	1,721,000	(g)	
10	Estimated receipts related to contract	performance		\$	(700,000)	Payne Exhibit No. 2	\$	(700,000)		
11	Solar Rebate Program			\$	1,220,856	Payne Exhibit No. 2	\$	1,220,856	20 20	
12	Research			5	900,000		\$	900,000	(j)	
13	Total			S	228,016,561		S	43,246,220		
					yne Exhibit No. 2		-	10,010,000		
							1	ncremental		Percent of Total
	Incremental cost category						(	Cost - Retail		Incremental Cost
14										
15 16	Total					- 40	-	43,246,220	-	100.00%
10	Iotai					3.0	3	43,240,220		100.0074
	Allocate estimated incremental cos	of solar resourc	es between so	olar co	mpliance require	ment and general	co	mpliance requ	iren	ient:
17										
18										
19										
20										
21										
22		/80								

#### Calculate set-aside and other incremental and research cost per customer class - EMF Period:

Line No.	Customer Class	Total Unadjusted Number of Accounts (1)	Annual Ride Cap per Account Typ		Annual		Cost Cap Allocation Factor	Allocated Annual Set-aside, Other Incremental, and Research Cost		
1	Residential	1,219,245	S	27	S	32,919,615	51.2%	\$	8,925,549	
2	General	197,172	S	150	S	29,575,800	46.0%	5	8,019,048	
3	Industrial	1,808	S	1,000	S	1,808,000	2.8%	5	488,116	
4	Totals			9	S	64,303,415	100.0%	S	17,432,713	

% of EE

REC

Calculate general cost per customer class - EMF Period:

Number of RECs

Williams Ex No. 1, Pg 1 Line 12

General Cost	Allocated Annual
Allocation Factor	General Incremental
(e) = (c) / (d)	Costs

Line No.	Customer Class	for General compliance (*)	supplied by Class <sup>(2)</sup>	supplied by EE by class <sup>(3) (b)</sup>	net of EE (c) = (a) - (b)	Allocation Factor		Costs
5	Residential		63.4%			44.1%	S	8,467,578
6	General		35.5%			52.1%	\$	9,990,074
7	Industrial		1.1%			3.8%	S	725,868
8	Totals		100.0%			100.0%	\$	19,183,520
					(d)		Will	liams Ex No. 1, Pg 1

REC

Requirement

Number of

General RECs

Total cost allocation by customer class - EMF Period:

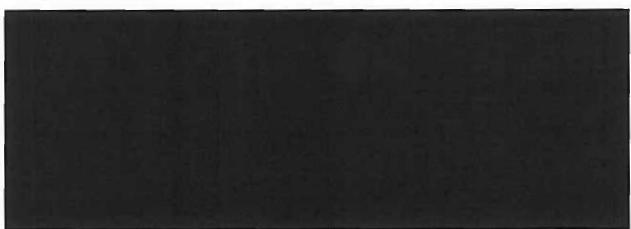
Line 13

			Incremental S cost by class	% Incremental REPS cost by class
9	Residential	S	17,393,127	47.50%
10	General	S	18,009,122	49.18%
11	Industrial	S	1,213,984	3.32%
12	Total	S	36,616,233	100.00%
		-		-

Williams Ex. No. 1 Pg I Line No. 14

#### Notes

- (1) Average monthly number of REPS accounts for the EMF Period.
- (2) EE allocated to account type according to actual relative contribution of EE RECs by customer class.
- (3) Limited to 25% of total RECs



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Compliance Costs for the EMF Period April 1, 2018 to March 31, 2019

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Calculate incremental cost under/(over) collection per customer class - EMF Period:

Line No.	Account Type	Set-a	cated Annual side and Other emental costs		Allocated Annual General icremental Costs	I	Total ncremental Costs	F	Actual NC letail REPS Revenues alized - EMF Period	-	nual REPS EMF Under/(Over)- ollection, before Interest	In	terest on Over-		Annual REPS EMF - Under/(Over)- Collection
Line No.	Account Type	inci	emental costs	_	Custs		Custs	_	1 Cilou	_	Interest	_	concetion	_	Conection
1	Residential	\$	8,925,549	\$	8,467,578	\$	17,393,127	\$	16,401,778	\$	991,349	\$	-	\$	991,349
2	General	\$	8,019,048	\$	9,990,074	\$	18,009,122	\$	19,213,014	\$	(1,203,892)	\$	(200,649)	\$	(1,404,541)
3	Industrial	\$	488,116	\$	725,868	\$	1,213,984	\$	1,278,418	\$	(64,434)	\$	(10,739)	\$	(75,173)
4	Total	\$	17,432,713	\$	19,183,520	\$	36,616,233	\$	36,893,210	\$	(276,977)	\$	(211,388)	\$	(488,365)

<<< Williams Exhibit No. 2 page 1>>>

#### Notes:

Interest calculated at annual rate of 10% for number months from mid-point of EMF period to mid-point of prospective rider billing period.

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205

Compliance Cost for the Billing Period December 1, 2019 to November 30, 2020

Williams Exhibit No. 3 Page 1 of 2 June 11, 2019

Line 15

Calculate set-aside and other incremental and research cost per customer class - Billing Period:

Line No.	Customer Class	Number of		ual Rider ap per ount Type		Calculated Annual evenue Cap	Cost Cap Allocation Factor	Allocated Annual Set-aside, Other Incremental, and Research Cost		
1	Residential	1,234,405	S	27	S	33,328,935	51.1%	S	11,310,110	
2	General	200,915	S	150	S	30,137,250	46.2%	S	10,225,580	
3	Industrial	1,794	S	1,000	\$	1,794,000	2.7%	\$	597,599	
4	Totals			3992 14	5	65,260,185	100.0%	S	22,133,289	

Williams Ex No. 1, Pg 2 Line 14

#### Calculate general cost per customer class - Billing Period:

Line No.	Customer Class	Number of RECs for General compliance (a)	% of EE REC supplied by Class <sup>(2)</sup>	REC Requirement supplied by EE by class (3)(b)	Number of General RECs net of EE (c) = (a) - (b)	General Cost Allocation Factor (e) = (c)/(d)	7	Allocated Annual eneral Incremental Costs
5	Residential		63.4%			43.9%	S	9,268,577
6	General	İ	35.5%			52.5%	S	11,084,288
7	Industrial		1.1%			3.6%	S	760,066
8	Totals		100.0%			100.0%	\$	21,112,931
					(d)		W	Illiams Ex No. 1, Pg 2

Total cost allocation by customer class - Billing Period:

% Incremental Total Incremental REPS cost by REPS cost by class class Residential 20,578,687 47.58% General 21,309,868 49.28% 5 1.357.665 3.14% Industrial Total 43,246,220 100.00%

Williams Ex No. 1, Pg 2 Line 16

#### Notes:

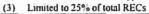
9

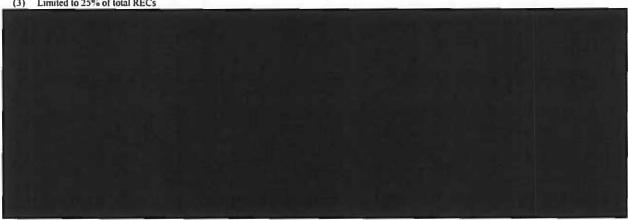
10

11

12

- (1) Projected average monthly number of REPS accounts for the Billing Period
- EE allocated to account type according to actual relative contribution of EE RECs by customer class (2)





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Compliance Cost for the Billing Period December 1, 2019 to November 30, 2020

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#### Calculate Total cost to collect by Customer Class - Billing Period:

		North Carolina Retail Annual Rider Cost by Account Type											
Line No.	North Carolina Retail Only - Billing Period	Allocated Annual Set- aside and Other Incremental costs			ocated Annual ral Incremental Costs	Total Incremental Costs							
1	Residential	\$	11,310,110	\$	9,268,577	\$	20,578,687						
2	General	\$	10,225,580	\$	11,084,288	\$	21,309,868						
3	Industrial	\$	597,599	\$	760,066	\$	1,357,665						
4	Total	<u>s</u>	22,133,289	\$	21,112,931	\$	43,246,220						
			nms Exhibit No. 3, Pg 1, line 4		nms Exhibit No. 3, Pg 1, line 8		Williams Exhibit No. 3, Pg 1, line 9						

DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205 DEP REPS Billing Components proposed to be effective December 1, 2019 - November 30, 2020 Williams Exhibit No. 4 Page 1 of t June 11, 2019

#### Calculate DEP NC Retail monthly REPS rider components:

HIGHAN CHAP	Customer	Total Projected Number of Accounts - DEP	Un	nual REPS EMF der/(Over)-	Pen	Contract Amendments, ulties, Change-of-	- 5		NI	onthly EMF	B	ojected Total illing Period incremental		lonthly REPS
Line No.	Class	NC Retnil <sup>(1)</sup>		Collection	С	ontrol, Etc. (2)	Ç0.	sts/(credits)		Rider	_	Costs	_	Rider
1	Residential	1,234,405	\$	991,349	\$	(388,096)	\$	603,253	S	0.04	\$	20,578,687	5	1.39
2	General	200,915	\$	(1,404,541)	\$	(348,680)	\$	(1,753,221)	\$	(0.73)	\$	21,309,868	5	8.84
3	Industrial	1,794	\$	(75,173)	\$	(21,224)	\$	(96,397)	S	(4.48)	\$	1,357,665	5	63.07
4			S	(488,365)	S	(758,000)	S	(1,246,365)	6		S	43,246,220		
			Will	iams Ex. No. 2, Pg 2							11	illiams Ex. No. 3, Pg 2	-	

#### Compare total annual REPS charges per account to per-account cost caps:

	Customer Class	M	onthly EMF Rider	RE	Ionthly PS Rider - 2 months	Me	Combined onthly Rider - 12 months	Regulatory Fee Multiplier	Rider including legulatory Fee	i	EPS Rider including legulatory Fee	Combined lonthly Rider including egulatory Fee	Combined annual Rider including egulatory Fee	1133	Annual Per- ccount Cost Cap
5	Residential General	\$	0.04 (0.73)		1.39 8.84	\$	1.43 8.11	1.001402 1.001402	\$ 0.04 (0.73)		1.39 8.85	\$	\$ 	\$	27.00 150.00
7	Industrial	S	(4.48)	\$	63.07	\$	58.59	1.001402	\$ (4.49)	\$	63.16	\$ 58.67	\$ 704.04	\$	1,000.00

#### Notes:

- Projected average monthly number of REPS accounts for the Billing Period. (1)
- (2) Forward EMF Period receipts for contract amendments, penalties, change-of-control, etc

Customer		tract receipts ed by customer class	NC retail portion of EMF Period costs - Williams Exhibit No. 1, Pg 1	Allocation to customer class - Williams Exhibit No. 2, Pg 1	ai pen	Receipts for contract mendments, alties, change- control, etc.
Residential				51.20%	S	(388,096)
General				46.00%	S	(348,680)
Industrial				2.80%	\$	(21,224)
Total contract payments received - EMF Period	S	(758,000)	\$ (758,000)	100.00%	S	(758,000)
	Paym	e Exhibit No. 2	100.00%			

#### **DUKE ENERGY PROGRESS, LLC** Docket No. E-2, Sub 1205

#### Williams Exhibit No. 5 Page No. 1 of 2 June 11, 2019

#### Worksheet detailing energy efficiency certificate ("EEC") inventory

EECs carried forward at Dec 31, 2012
EECs generated for 2013 per Company's annual update
Less: EECs used for compliance for 2013
EECs carried forward at Dec 31, 2013
EECs generated for 2014 per Company's annual update
Less: EECs used for compliance for 2014
EECs carried forward at Dec 31, 2014
EECs generated for 2015 per Company's annual update
EEC inventory balance adjustment to recognize perpetual savings
EEC inventory balance 2015 adjustment for EM&V results
Less: EECs used for compliance for 2015
EECs carried forward at Dec 31, 2015
EECs generated for 2016 per Company's annual update
EEC inventory balance adjustment - conversion to measure life
EEC inventory balance 2016 adjustment for EM&V results
Less: EECs used for compliance for 2016
EECs carried forward at Dec 31, 2016
EECs generated for 2017 per Company's annual update
EEC inventory balance 2017 adjustment for EM&V results
Less: EECs used for compliance for 2017
EECs carried forward at Dec 31, 2017
EECs generated for 2018 per Company's annual update
EEC inventory balance 2018 adjustment for EM&V results
Less: EECs used for compliance for 2018
EECs carried forward at Dec 31, 2018

	EECs	Reference
_	333,742	2012 Compliance Report - Docket No. E-2, Sub 1032
	392,996	2012 Compliance Report - Docket No. E-2, Sub 1043
_	274,420	Company workpapers
	452,318	2012 Compliance Report - Docket No. E-2, Sub 1043
	479,942	Company workpapers
_	276,649	2014 Compliance Report - Docket No. E-2, Sub 1071
	655,611	2014 Compliance Report - Docket No. E-2, Sub 1071
	1,682,467	Company workpapers
	1,966,773	Company workpapers
	4,506	Company workpapers
_	562,361	2015 Compliance Report - Docket No. E-2, Sub 1109
	3,746,996	2015 Compliance Report - Docket No. E-2, Sub 1109
	1,854,388	Company workpapers
	(123,943)	Company workpapers
	(83,074)	Company workpapers
_	561,829	2016 Compliance Report - Docket No. E-2, Sub 1144
	4,832,538	2016 Compliance Report - Docket No. E-2, Sub 1144
	2,026,234	Company workpapers
	(61,225)	Company workpapers
_	559,087	2017 Compliance Report - Docket No. E-2, Sub 1175
	6,238,460	2017 Compliance Report - Docket No. E-2, Sub 1175
	2,182,561	Company workpapers (a)
	2,467	Company workpapers
_	920,747	2018 Compliance Report - Docket No. E-2, Sub 1205
_	7,502,741	2018 Compliance Report - Docket No. E-2, Sub 1205

#### **Summary workpapers - EECs generated**

Update for EECs	generated - as of	vear-end 2018:
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Current view at year-end 2018

Previously reported current view at year-end 2017

Total Adjustments to previously reported results

EM&V and participation adjustments (detail below)

EECs generated 2018 per current view

EECs entered in NC-RETS for vintage 2018

	P	r	ogra	m	year
Ξ		_			

_				year	Program		
Total	2018	2017	2016	2015	2014	2013	2008-2012
10,937,984	2,182,561	2,028,060	1,817,503	1,533,015	1,219,361	923,647	1,233,837
8,752,956	(a)	2,026,234	1,816,862	1,533,015	1,219,361	923,647	1,233,837
2,185,028		1,826	641	0	0	0	0
2,467		1,826	641	0	0	0	0
2,182,561	(a)						
2,185,028							

### **DUKE ENERGY PROGRESS, LLC Docket No. E-2, Sub 1205**

Williams Exhibit No. 5
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#### Worksheet detailing energy efficiency certificate ("EEC") inventory

#### Detail for adjustments applicable to 2008 - 2017 results:

				Program	year			
Adjustment type	Program	2008-2012	2013	2014	2015	2016	2017	Total
EM&V and participation adjustment	s:							
	Residential Energy Assessment	-	-	-	-	651	3,126	3,777
	Residential New Construction	-	-	-	-	(10)	(254)	(264)
	Energy Efficiency for Business	-	-	-	-	-	278	278
	Small Business Energy Saver	-	-	-	-	-	(434)	(434)
	Residential Lighting	-	=	-	=	-	(890)	(890)
	Home Energy Improvement	-	=	-	=	-	(1)	(1)
	Multi-Family Energy Efficiency		-	-	-	-	1	1
Total Adjustments to previously reporte	d results	-	-	-	-	641	1,826	2,467

EM&V reports applicable to results reported above and the time period covered in this docket - filed as Exhibit No. 8 to the testimony of DEP witness Robert Evans in DEP's energy efficiency Docket No. E-2, Sub 1206:

Program Name As Filed	Docket	Report Reference	Effective				
1 Togram Name As Filed	Ducket	Report Reference					
CIG-DR	E-2, Sub 953	2017 EM&V Report for the Duke Energy Progress Commercial, Industrial, and Governmental Demand Response Automation (Dl	5/1/2018				
Residential New Construction	E-2, Sub 1021	EM&V Report for the Residential New Construction Program Years: 2015-2016	1/1/2016				
EnergyWise	E-2, Sub 927	EM&V Report for the EnergyWise Home Program Winter 2017/2018	8/6/2018				
Small Business Energy Saver	E-2, Sub 1022	EM&V Report for the Small Business Energy Saver Program Duke Energy Progress and Duke Energy	7/1/2017				
Residential Energy Assessment	E-2, Sub 1094	Duke Energy Progress Residential Energy Assessments Program Evaluation Report - Final	4/1/2016				
Non-Residential Smart \$aver	E-2, Sub 1086	Duke Energy Carolinas and Progress EnergyWise Business Evaluation Report - Final	1/1/2018				
Energy Efficiency in Business	E-2, Sub 938	Smart \$aver® Non-Residential Custom Program Years 2016-2017 Evaluation Report	12/1/2018				
EnergyWise	E-2, Sub 927	EM&V Report for the EnergyWise Home Demand Response Program Summer PY2018	11/30/2018				
Energy Efficiency in Education	E-2, Sub 1060	Energy Efficiency Education in Schools Program Year 2017 – 2018 Evaluation Report	8/1/2018				