

**Union Electric Company  
d/b/a Ameren Missouri**

**Renewable Energy Standard  
Compliance Report  
2018**

**Prepared in Compliance with 4 CSR 240-20.100**

**April 15, 2019**



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## Introduction

The Missouri Renewable Energy Standard (RES) began as a public initiative and was placed on the Missouri ballot during the November 4, 2008 election. Labeled as Proposition C, its effect on Union Electric Company d/b/a Ameren Missouri (Ameren Missouri or Company) was a requirement to acquire renewable energy resources as a percentage of total retail sales.

As part of the statute and rule making, Section (8) (B) requires that the IOUs file a plan that covers their intended compliance measures for the current year plus the following 2 years.

Compliance with RES requirements includes the Renewable Energy Credits (RECs) from all forms of qualified renewable generation resources (wind, hydro, biomass, solar etc.) as certified by the Missouri Department of Natural Resources (DNR). In 2013, the group within DNR responsible for providing renewable certification was transferred from the DNR to the Missouri Department of Economic Development (DED). There is a component of the RES that designates a percentage of RECs must be from a designated solar resources or (S-RECs).

There are also two methods by which compliance is deemed to have been achieved. The first is based on providing enough RECs to meet the requirement, the other is related to the 1% rate cap calculation. Based on that calculation, a utility will be in compliance with the RES once the cost of compliance is equal to or greater than the 1% calculation. Thus a utility could fall short of meeting the REC requirement but if the 1% calculation is met then the utility is in full compliance.

The following table details the renewables percentage requirements of the retail electric sales for the non-solar and solar RES:

<u>Time Period</u>	<u>Total Renewable Requirement</u>	<u>Solar*</u>
2011-2013	2%	2%
2014-2017	5%	2%
2018-2020	10%	2%
2021-forward	15%	2%

\*Solar percentages are applied to the Total Renewable Requirement RES amounts

As referenced above, the DED is responsible for certifying all eligible renewable resources that can be utilized in meeting the requirements of the RES. DNR rule 10 CSR 140-8.010 (2), contains the list of all eligible renewable resources allowed to meet the compliance with the RES.

Ameren Missouri's compliance with the RES, as demonstrated in this report, adheres to the use of only those renewable resources as currently defined by the above referenced rule.

In addition, the RES rules allow for the banking of RECs for up to a three-year time period. This will allow for the use of eligible RECs generated from January 1, 2015 to the end of 2018 in meeting the RES requirements for calendar year 2018. Any generation and/or RECs from a Missouri renewable resource are entitled to a factor of 1.25 applied to each megawatt-hour (MWh) or REC.

The following information in this report will demonstrate the specific means by which Ameren Missouri met its obligations under both the non-solar and solar RES for 2018.

# **RES Compliance**

## **Section (8) (A) 1 A**

### **Total Retail Electric Sales**

Ameren Missouri reports its total retail electric sales annually to the Federal Energy Regulatory Commission (FERC) in a report called the FERC Form 1. For the reporting year ended December 31, 2018, Ameren Missouri's total retail electric sales were 33,699,583 MWhs.

## **Section (8) (A) 1 B**

### **Total Jurisdictional Revenue**

Total sales to ultimate consumers as reported on the FERC Form 1 for the calendar year (CY) 2018 and associated with the above referenced MWhs were \$3,445,455,487

## **Section (8) (A) 1 C**

### **Total Retail Electric Sales Supplied by Renewable Resources**

Ameren Missouri is the owner and operator of the Keokuk Hydro-Electric Generation Station located on the Mississippi River in Keokuk, Iowa. The station consists of 15 separate generators. The individual nameplate ratings range from 7.2 to 8.8 megawatts (MWs).

The Keokuk Hydro-Electric Generation Station was certified as a qualified renewable energy resource by the DNR on September 28, 2011. The total generational output from the Keokuk facility for the CY 2018 was 910,589 MWhs.

In June, 2009 Ameren Missouri and Pioneer Prairie Wind Farm I LLC entered into a 15-year power purchase agreement. Ameren Missouri is purchasing 102.3 MWs of nameplate generation from the Pioneer Prairie Wind Farm consisting of 62 turbines, located in north east Iowa. The facility site covers approximately 10,000 acres of land located in Mitchell County, Iowa in Wayne and Stacyville Townships.

The Pioneer Prairie Wind Farm was certified as a qualified renewable energy resource by the DNR on September 28, 2011. The total generational output from the Pioneer Prairie Wind Farm supplied to Ameren Missouri customers for the CY 2018 was \*\* \_\_\_\_\_ \*\* MWhs.

In December, 2010 Ameren Missouri completed construction of approximately 100 kilowatt (kW) of various photovoltaic ("PV") solar technologies at its headquarters office building.

The Ameren Missouri headquarters solar installation was certified as a qualified renewable generation facility by the DNR on September 28, 2011. The total generational output of this facility during CY 2018 was 91 MWhs. In accordance with RSMo 393.1030, and as

this facility is located in the state of Missouri, a factor of 1.25 is applied to the generation from this facility such that the generation counts as 114 MWhs towards the compliance requirements.

On June 16, 2012, the Maryland Heights Renewable Energy Center (MHREC) became commercially operational. This facility burns methane gas produced by the IESI Landfill in Maryland Heights, Missouri in three solar 4.9 MW Mercury 50 gas turbines to produce electricity.

On August 27, 2012, the MHREC was certified as a qualified renewable energy resource by the DNR. The generational output from the MHREC for CY 2018 was 34,495 MWhs. In accordance with RSMo 393.1030, and as this facility is located in the state of Missouri, a factor of 1.25 is applied to the generation from this facility such that the generation counts as 43,118 MWhs towards the compliance requirements.

On November 14, 2014, Ameren Missouri's first utility scale solar facility became commercially operational. The O'Fallon Renewable Energy Center (O'Fallon Renewable Energy Center) is a 5.7 MW (DC) PV facility located in O'Fallon, Missouri.

On April 3, 2015, DED certified O'Fallon Renewable Energy Center as a renewable resource. The total generational output of this facility during CY 2018 was 6,148 MWhs. In accordance with RSMo 393.1030, and as this facility is located in the state of Missouri, a factor of 1.25 is applied to the generation from this facility such that the generation counts as 7,685 MWhs towards the compliance requirements.

## **Section (8) (A) 1 D**

### **RECs Created by Utility Owned Renewable Resources**

The total RECs created from the Keokuk facility for the CY 2018 was 910,589. The RECs generated from the Keokuk facility are on Ameren Missouri's books at zero cost and value. There are two reasons for this. First, due to the restrictive nature of utilizing hydroelectric to meet Renewable Portfolio Standards (RPS) in other states, there is a very limited market in which the associated Keokuk RECs could be utilized outside of Missouri. Second, the RECs created by this generation are an added benefit to Ameren Missouri rate payers as the capital and operational costs associated with Keokuk are already a part of the existing rate structure. Since the company has not incurred any additional costs above or beyond in order to acquire these RECs, the benefit to the rate payers is in the ability of Ameren Missouri to utilize these RECs to meet compliance and not incur any additional cost in the process.

The total S-RECs created from the Ameren Missouri headquarters solar facility during CY 2018 was 91. In accordance with RSMo 393.1030, and as this facility is located in the state of Missouri, a factor of 1.25 is applied to the 114 MWhs of generation from this facility and those S-RECs are applied to the compliance requirements.

The total RECs created from the MHREC for CY 2018 was 34,495. In accordance with RSMo 393.1030, and as this facility is located in the state of Missouri, a factor of 1.25 is applied to the generation from this facility such that the RECs count as 43,118 towards the compliance requirements. The value of the 2018 generation is \$994,146. Ameren Missouri

will use all RECs from this installation to meet current and future RES compliance requirements.

The O'Fallon Renewable Energy Center created 6,148 S-RECs for CY 2018. In accordance with RSMo 393.1030, and as this facility is located in the state of Missouri, a factor of 1.25 is applied to the generation from this facility such that the RECs count as 7,685 towards the compliance requirements. The value of the energy generated by O'Fallon Renewable Energy Center for CY 2018 was \$177,185. Ameren Missouri will use all S-RECs from this solar installation to meet current and future RES compliance requirements.

## **Section (8) (A) 1 E**

### **RECs Acquired and Retired**

During CY 2018, Ameren Missouri purchased energy including the associated RECs from the Pioneer Prairie Wind Farm. A total of \*\*\_\_\_\_\_\*\* were acquired in CY 2018 under the terms of the 15-year power purchase agreement.

A total of 34,495 RECs were generated from the Maryland Heights Renewable Energy Center in CY 2018. In accordance with RSMo 393.1030, and as this facility is located in the state of Missouri, a factor of 1.25 is applied to the generation from this facility. Thus the RECs generated toward compliance requirements are 43,118.

In CY 2018, Ameren Missouri purchased S-RECs generated by Ameren Missouri customers thru the Standard Offer Contract (SOC) that was established in 2011.

Originally, there were two contract types: For systems sized less than 10 kW, Ameren Missouri utilizes a program established by the U.S. Department of Energy ("DOE") called PV Watts to determine the annual generational output from systems installed in the region. Customers who have these size systems are paid a lump-sum up-front payment equal to the generation from their system for a 10-year period. Those RECs are then used over the 10-year period to meet the solar compliance requirement. For systems 10 kW or larger installed prior to January 1, 2013, a five-year contract is used, but an additional meter is required and customers are paid based on actual production. For systems 10 kW or larger installed after January 1, 2013 and before August 28, 2013, the contract term was extended to 10 years. Due to the implementation of the provisions associated with House Bill (HB) 142, systems greater than 10 kW that are installed after August 28, 2013 no longer require a second meter and their generational output is determined in the same fashion as systems less than 10 kW, utilizing the PV Watts formula.

However, on Aug. 28, 2013, due to the passage of HB 142, the RES law was amended. That amendment provided that if a customer accepts a solar rebate form the utility, the S-RECs transfer to the utility. Due to this change, the SOC program was discontinued and the \$1 million SOC cap was not reached.

All S-RECs associated with the customer installed net metered systems, as well as the generation at the Ameren Missouri headquarters facility, are entitled to the 1.25 factor as they represent Missouri based generation.



During CY 2018, Ameren Missouri acquired 57,372 solar RECs from its customers under terms of the SOC.

Additionally, in 2019 the DOE increased the PV watts capacity factor for the St. Louis region to 15.6% from 15.9%. This new percentage has been applied to systems installed on January 1, 2019 or later.

The S-RECs acquired from customers will also be eligible for the 1.25 factor application as stipulated in RSMo 393.1030.

Ameren Missouri retired a total of 2,204,452 Keokuk RECs (276,586 vintage 2016, 1,017,277 vintage 2017 and 910,589 vintage 2018); 873,263 Pioneer Prairie RECs (317,041 vintage 2016, 323,320 vintage 2017 and 232,902 vintage 2018); and 132,282 MHREC RECs (58,481 vintage 2016, 39,306 vintage 2017 and 34,495 vintage 2018), additionally Ameren Missouri retired 47,594 solar RECs (vintage 2016) to meet the non-solar requirement.

To meet the solar requirement, a total of 67,399 S-RECs (32,135 vintage 2015 and 21,784 vintage 2016) were retired from Ameren Missouri metered and non-metered customers.

### **Section (8) (A) 1 F**

#### **Source of RECs Acquired**

See Sections (A) 1 D and E above.

### **Section (8) (A) 1 G**

#### **RECs Carried Forward**

RECs being carried forward through the three- year banking provision are as follows:

<b><u>Facility</u></b>	<b><u>RECs</u></b>	<b><u>S-RECs</u></b>
Pioneer Prairie	** _____ **	
O'Fallon Renewable Energy Center		12,091
Ameren Customers		116,502 (1)

- 1) These values do not include the in-state factor of 1.25 for those RECs affiliated with in state production and includes the generation from the Ameren headquarters solar installation.

See Exhibit 1 for details.

### **Section (8) (A) 1 H**

#### **Gains or Losses from Purchases or Sales**

Not applicable. There were no sales of RECs and all procurement was either utilized to meet CY 2018 requirements or has been banked in Ameren Missouri's North American

Renewables Registry ("NARR") account and will be used for future compliance requirements.

### **Section (8) (A) 1 I**

#### **RECs from Non-Utility Owned Resources**

##### **Non-solar**

Facility Name:	Pioneer Prairie Wind Farm I
Location:	Mitchell County, Iowa Wayne and Stacyville Townships
Facility Owner:	EDP Renewables
Resource Type:	Wind
Turbines:	Vestas V82 1.65 MW per turbine

See Exhibit 2 for Affidavit.

See Exhibit 3 for Meter Reads and Payments.

### **Section (8) (A) 1 J**

#### **RECs from customer generators**

See Exhibit 6 for Customer Generator Resource List.

### **Section (8) (A) 1 K**

#### **Customer Solar Rebates**

During CY 2018, Ameren Missouri processed and paid 12 requests for solar rebates. No rebates are processed until all required meter work has been performed.

### **Section (8) (A) 1 L**

#### **Customer Denied Rebates**

There were no rebate denials.

### **Section (8) (A) 1 M**

#### **Funds Expended for Solar Rebates**

During CY 2018, Ameren Missouri paid out \$123,310 associated with solar rebates.

During 2018 there are two versions of the Rider SR with the table below providing a summary of each.

<u>Effective Period</u>	<u>Comment</u>
1/1 – 9/27/18	This tariff modified the terms of the solar rebate commitment so that a rebate commitment expires if the customer does not acknowledge the rebate commitment by expressing an intent to complete the solar project within 30 days.
9/28 – 12/31/18	The tariff language was relocated to different sheets and identified as Solar Rebate RS MO 393.1030 to distinguish it from the new solar rebate program. It also revised Company's obligation to make new rebate commitments and allows the remainder of the \$91.9 million to be paid to projects that have already been completed.

See Exhibit 4 for Solar Rebate Tariff details.

### **S-REC Contract Terms and Conditions**

Beginning in 2013, Ameren Missouri made available a Standard Offer Contract at \$5/MWh to purchase the S-RECs from customers who installed less than 100 kW of solar at their homes and/or businesses and met all net metering requirements as applicable under tariffs filed by Ameren Missouri and approved by the Missouri Public Service Commission.

Originally, there were two contract types: For systems sized less than 10 kW, Ameren Missouri utilizes a program established by the DOE called PV Watts to determine the annual generational output from systems installed in the region. Customers who have these size systems are paid a lump-sum up-front payment equal to the generation from their system for a 10-year period. Those RECs are then used over the 10-year period to meet the solar compliance requirement. For systems 10 kW or larger installed prior to January 1, 2013, a five-year contract is used but an additional meter is required and customers are paid based on actual production. For systems 10 kW or larger installed after January 1, 2013 and before August 28, 2013, the contract term was extended to 10 years. Due to the implementation of the provisions associated with HB 142, systems greater than 10 kW that are installed after August 28, 2013 no longer require a second meter and their generational output is determined in the same fashion as systems less than 10 kW, utilizing the PV Watts formula.

The total dollars spent to purchase customer S-RECs were capped at \$1 million for 2013.

However, on August 28, 2013, due to the passage of HB 142, the RES law was amended. That amendment provided that if a customer accepts a solar rebate from the utility, the S-RECs transfer to the utility. Due to this change, the SOC program was discontinued and the \$1 million SOC cap was not reached.

See Exhibit 5 for S-REC Purchase Tariff.

## **Section (8) (A) 1 N**

### **Utility Compliance with RES Plan**

See Exhibit 7 for Company Affidavit.

## **Section (8) (A) 1 O**

Compliance for CY 2018 was achieved.

## **Section (8) (A) 1 P**

### **Calculation of actual calendar year retail rate impact**

Ameren Missouri's Adjusted Revenue Requirement for CY 2018 is \$3,445,455,487.

Total RES Compliance cost for 2018 is \$11,559,443.

If we divide the Total RES Compliance cost by the Adjusted Revenue Requirement we can calculate the retail rate impact

$$= \$11,559,443 / \$3,445,455,487 = 0.34\%$$

**Exhibit 1  
Keokuk REC's**

Sub-Account	Sub-Account ID	NAR ID	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity
Keokuk	273	GEN160	Hydroelectric Water	Nov-2018	NAR-REC-160-IA-11-2018-82959-1 to 74547	74547
Keokuk	273	GEN160	Hydroelectric Water	Oct-2018	NAR-REC-160-IA-10-2018-81031-1 to 37569	37569
Keokuk	273	GEN160	Hydroelectric Water	Dec-2018	NAR-REC-160-IA-12-2018-83745-1 to 96126	96126

**Exhibit 1  
Maryland Heights Renewable Energy Center REC's**

Sub-Account	Sub-Account ID	NAR ID	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity
Keokuk	273	GEN160	Hydroelectric Water	Nov-2018	NAR-REC-160-IA-11-2018-82959-1 to 74547	74547
Keokuk	273	GEN160	Hydroelectric Water	Oct-2018	NAR-REC-160-IA-10-2018-81031-1 to 37569	37569
Keokuk	273	GEN160	Hydroelectric Water	Dec-2018	NAR-REC-160-IA-12-2018-83745-1 to 96126	96126

**Exhibit 1  
O'Fallon Renewable Energy Center (O'Fallon Renewable Energy Center) S-REC's**

Sub-Account	Sub-Account ID	NAR ID	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity
Ofallon Renewable Energy Center	521	GEN954	Solar	Apr-2018	NAR-REC-954-MO-04-2018-76752-1 to 410	410
Ofallon Renewable Energy Center	521	GEN954	Solar	Nov-2018	NAR-REC-954-MO-11-2018-78710-1 to 244	244
Ofallon Renewable Energy Center	521	GEN954	Solar	Jan-2019	NAR-REC-954-MO-01-2019-82958-1 to 205	205
Ofallon Renewable Energy Center	521	GEN954	Solar	Oct-2017	NAR-REC-954-MO-10-2017-71219-1 to 456	456
Ofallon Renewable Energy Center	521	GEN954	Solar	May-2017	NAR-REC-954-MO-05-2017-69658-1 to 389	389
Ofallon Renewable Energy Center	521	GEN954	Solar	Mar-2017	NAR-REC-954-MO-03-2017-67981-1 to 424	424
Ofallon Renewable Energy Center	521	GEN954	Solar	Aug-2017	NAR-REC-954-MO-08-2017-70707-1 to 749	749
Ofallon Renewable Energy Center	521	GEN954	Solar	Sep-2018	NAR-REC-954-MO-09-2018-78220-1 to 687	687
Ofallon Renewable Energy Center	521	GEN954	Solar	Jun-2017	NAR-REC-954-MO-06-2017-70067-1 to 601	601
Ofallon Renewable Energy Center	521	GEN954	Solar	Jan-2017	NAR-REC-954-MO-01-2017-66744-1 to 218	218
Ofallon Renewable Energy Center	521	GEN954	Solar	Feb-2018	NAR-REC-954-MO-02-2018-76036-1 to 248	248
Ofallon Renewable Energy Center	521	GEN954	Solar	Nov-2017	NAR-REC-954-MO-11-2017-71567-1 to 442	442
Ofallon Renewable Energy Center	521	GEN954	Solar	May-2018	NAR-REC-954-MO-05-2018-77097-1 to 791	791
Ofallon Renewable Energy Center	521	GEN954	Solar	Aug-2018	NAR-REC-954-MO-08-2018-78042-1 to 705	705
Ofallon Renewable Energy Center	521	GEN954	Solar	Jul-2017	NAR-REC-954-MO-07-2017-70313-1 to 715	715
Ofallon Renewable Energy Center	521	GEN954	Solar	Feb-2017	NAR-REC-954-MO-02-2017-67253-1 to 392	392
Ofallon Renewable Energy Center	521	GEN954	Solar	Sep-2017	NAR-REC-954-MO-09-2017-70919-1 to 721	721
Ofallon Renewable Energy Center	521	GEN954	Solar	Jan-2018	NAR-REC-954-MO-01-2018-73490-1 to 310	310
Ofallon Renewable Energy Center	521	GEN954	Solar	Mar-2018	NAR-REC-954-MO-03-2018-76352-1 to 424	424
Ofallon Renewable Energy Center	521	GEN954	Solar	Feb-2019	NAR-REC-954-MO-02-2019-83706-1 to 245	245
Ofallon Renewable Energy Center	521	GEN954	Solar	Jul-2018	NAR-REC-954-MO-07-2018-77715-1 to 825	825
Ofallon Renewable Energy Center	521	GEN954	Solar	Oct-2018	NAR-REC-954-MO-10-2018-78493-1 to 474	474
Ofallon Renewable Energy Center	521	GEN954	Solar	Apr-2017	NAR-REC-954-MO-04-2017-68266-1 to 534	534
Ofallon Renewable Energy Center	521	GEN954	Solar	Dec-2017	NAR-REC-954-MO-12-2017-72236-1 to 302	302
Ofallon Renewable Energy Center	521	GEN954	Solar	Jun-2018	NAR-REC-954-MO-06-2018-77373-1 to 765	765
Ofallon Renewable Energy Center	521	GEN954	Solar	Dec-2018	NAR-REC-954-MO-12-2018-80972-1 to 265	265

**Exhibit 1  
Pioneer Prairie REC's\*\***

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**Exhibit 1**  
**Ameren Missouri Customer S-RECs**

Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity
Solar	Dec-2018	NAR-REC-337-MO-12-2018-81004-1 to 1109	1109
Solar	Dec-2017	NAR-REC-337-MO-12-2017-76089-1 to 1077	1077
Solar	Dec-2018	NAR-REC-374-MO-12-2018-81005-1 to 1828	1828
Solar	Dec-2017	NAR-REC-374-MO-12-2017-76090-1 to 1828	1828
Solar	Dec-2017	NAR-REC-510-MO-12-2017-76065-1 to 8456	8456
Solar	Dec-2017	NAR-REC-510-MO-12-2017-76362-1 to 47	47
Solar	Dec-2018	NAR-REC-510-MO-12-2018-81006-1 to 8503	8503
Solar	Dec-2018	NAR-REC-1119-MO-12-2018-81007-1 to 39137	39137
Solar	Dec-2017	NAR-REC-1119-MO-12-2017-76066-1 to 39135	39135
Solar	Dec-2018	NAR-REC-2317-MO-12-2018-81008-1 to 2999	2999
Solar	Dec-2017	NAR-REC-2317-MO-12-2017-76091-1 to 3000	3000
Solar	Dec-2018	NAR-REC-2204-MO-12-2018-81009-1 to 2691	2691
Solar	Dec-2017	NAR-REC-2204-MO-12-2017-76067-1 to 2691	2691
Solar	Dec-2018	NAR-REC-2479-MO-12-2018-81010-1 to 185	185
Solar	Dec-2017	NAR-REC-2479-MO-12-2017-76092-1 to 123	123
Solar	Dec-2017	NAR-REC-2602-MO-12-2017-77144-1 to 93	93
Solar	Dec-2018	NAR-REC-2602-MO-12-2018-82928-1 to 95	95
Solar	Apr-2018	NAR-AGG-180-MO-04-2018-77011-1 to 9	9
Solar	Mar-2017	NAR-AGG-180-MO-03-2017-68112-1 to 10	10
Solar	May-2017	NAR-AGG-180-MO-05-2017-69904-1 to 11	11
Solar	May-2018	NAR-AGG-180-MO-05-2018-77252-1 to 8	8
Solar	Jul-2017	NAR-AGG-180-MO-07-2017-70508-1 to 11	11
Solar	Sep-2018	NAR-AGG-180-MO-09-2018-78374-1 to 8	8
Solar	Oct-2018	NAR-AGG-180-MO-10-2018-78617-1 to 7	7
Solar	Jan-2019	NAR-AGG-180-MO-01-2019-83595-1 to 3	3
Solar	Nov-2017	NAR-AGG-180-MO-11-2017-71770-1 to 5	5
Solar	Jan-2018	NAR-AGG-180-MO-01-2018-74839-1 to 5	5
Solar	May-2018	NAR-AGG-180-MO-05-2018-77612-1 to 2	2
Solar	Oct-2017	NAR-AGG-180-MO-10-2017-71424-1 to 6	6
Solar	Sep-2017	NAR-AGG-180-MO-09-2017-71155-1 to 9	9
Solar	Apr-2017	NAR-AGG-180-MO-04-2017-69434-1 to 9	9
Solar	Nov-2018	NAR-AGG-180-MO-11-2018-80950-1 to 3	3
Solar	Jun-2017	NAR-AGG-180-MO-06-2017-70245-1 to 11	11
Solar	Feb-2017	NAR-AGG-180-MO-02-2017-67329-1 to 8	8
Solar	Dec-2017	NAR-AGG-180-MO-12-2017-73394-1 to 4	4
Solar	Aug-2017	NAR-AGG-180-MO-08-2017-70783-1 to 10	10
Solar	Mar-2018	NAR-AGG-180-MO-03-2018-76629-1 to 6	6
Solar	Jul-2018	NAR-AGG-180-MO-07-2018-77874-3 to 13	11

Solar	Jan-2017	NAR-AGG-180-MO-01-2017-66994-1 to 5	5
Solar	Jun-2018	NAR-AGG-180-MO-06-2018-77608-1 to 10	10
Solar	Feb-2018	NAR-AGG-180-MO-02-2018-76172-1 to 4	4
Solar	Dec-2018	NAR-AGG-180-MO-12-2018-82824-1 to 4	4
Solar	Aug-2018	NAR-AGG-180-MO-08-2018-78141-1 to 9	9
Solar	May-2017	NAR-AGG-329-MO-05-2017-69905-5 to 68	64
Solar	Apr-2017	NAR-AGG-329-MO-04-2017-69911-1 to 2	2
Solar	Jul-2017	NAR-AGG-329-MO-07-2017-70509-5 to 14	10
Solar	Mar-2017	NAR-AGG-329-MO-03-2017-68113-5 to 59	55
Solar	May-2017	NAR-AGG-329-MO-05-2017-70251-1 to 4	4
Solar	Aug-2017	NAR-AGG-329-MO-08-2017-70784-3 to 3	1
Solar	Jan-2017	NAR-AGG-329-MO-01-2017-67335-1 to 4	4
Solar	Jun-2017	NAR-AGG-329-MO-06-2017-70246-3 to 40	38
Solar	Jun-2017	NAR-AGG-329-MO-06-2017-70514-1 to 2	2
Solar	Apr-2017	NAR-AGG-329-MO-04-2017-69435-6 to 69	64
Solar	Mar-2017	NAR-AGG-329-MO-03-2017-69440-1 to 4	4
Solar	Feb-2017	NAR-AGG-329-MO-02-2017-68118-1 to 5	5
Solar	Feb-2017	NAR-AGG-329-MO-02-2017-67330-1 to 50	50
Solar	Jan-2017	NAR-AGG-329-MO-01-2017-66995-2 to 28	27
Solar	Jul-2017	NAR-AGG-329-MO-07-2017-70791-1 to 1	1
Solar	Nov-2017	NAR-AGG-330-MO-11-2017-71771-4 to 4	1
Solar	Feb-2017	NAR-AGG-330-MO-02-2017-68119-1 to 6	6
Solar	Oct-2017	NAR-AGG-330-MO-10-2017-71425-7 to 21	15
Solar	Mar-2017	NAR-AGG-330-MO-03-2017-69441-1 to 4	4
Solar	Oct-2017	NAR-AGG-330-MO-10-2017-71776-1 to 1	1
Solar	Jul-2017	NAR-AGG-330-MO-07-2017-70792-1 to 8	8
Solar	Jan-2017	NAR-AGG-330-MO-01-2017-66996-5 to 33	29
Solar	Feb-2017	NAR-AGG-330-MO-02-2017-67331-1 to 59	59
Solar	Aug-2017	NAR-AGG-330-MO-08-2017-71161-1 to 6	6
Solar	Jul-2017	NAR-AGG-330-MO-07-2017-70510-18 to 93	76
Solar	May-2017	NAR-AGG-330-MO-05-2017-69906-5 to 106	102
Solar	Apr-2017	NAR-AGG-330-MO-04-2017-69436-7 to 94	88
Solar	Mar-2017	NAR-AGG-330-MO-03-2017-68114-6 to 77	72
Solar	May-2017	NAR-AGG-330-MO-05-2017-70252-1 to 17	17
Solar	Jun-2017	NAR-AGG-330-MO-06-2017-70515-1 to 14	14
Solar	Sep-2017	NAR-AGG-330-MO-09-2017-71156-9 to 52	44
Solar	Jun-2017	NAR-AGG-330-MO-06-2017-70247-7 to 116	110
Solar	Sep-2017	NAR-AGG-330-MO-09-2017-71429-1 to 3	3
Solar	Jan-2017	NAR-AGG-330-MO-01-2017-67336-1 to 5	5
Solar	Aug-2017	NAR-AGG-330-MO-08-2017-70785-15 to 72	58
Solar	Apr-2017	NAR-AGG-330-MO-04-2017-69912-1 to 6	6
Solar	Dec-2017	NAR-AGG-352-MO-12-2017-76176-1 to 1	1
Solar	Aug-2017	NAR-AGG-352-MO-08-2017-70786-8 to 116	109
Solar	Sep-2017	NAR-AGG-352-MO-09-2017-71430-1 to 6	6
Solar	Jul-2017	NAR-AGG-352-MO-07-2017-70511-10 to 134	125



Solar	Apr-2017	NAR-AGG-352-MO-04-2017-69913-1 to 3	3
Solar	May-2017	NAR-AGG-352-MO-05-2017-69907-4 to 118	115
Solar	Jan-2017	NAR-AGG-352-MO-01-2017-67337-1 to 3	3
Solar	May-2017	NAR-AGG-352-MO-05-2017-70253-1 to 9	9
Solar	Jun-2017	NAR-AGG-352-MO-06-2017-70516-1 to 7	7
Solar	Jun-2017	NAR-AGG-352-MO-06-2017-70248-4 to 129	126
Solar	Mar-2017	NAR-AGG-352-MO-03-2017-68115-4 to 72	69
Solar	Nov-2017	NAR-AGG-352-MO-11-2017-71772-7 to 58	52
Solar	Dec-2017	NAR-AGG-352-MO-12-2017-73395-5 to 31	27
Solar	Sep-2017	NAR-AGG-352-MO-09-2017-71157-6 to 104	99
Solar	Oct-2017	NAR-AGG-352-MO-10-2017-71426-7 to 69	63
Solar	Apr-2017	NAR-AGG-352-MO-04-2017-69437-5 to 96	92
Solar	Nov-2017	NAR-AGG-352-MO-11-2017-76175-1 to 3	3
Solar	Feb-2017	NAR-AGG-352-MO-02-2017-68120-1 to 4	4
Solar	Jan-2018	NAR-AGG-352-MO-01-2018-74840-1 to 8	8
Solar	Oct-2017	NAR-AGG-352-MO-10-2017-71777-1 to 4	4
Solar	Aug-2017	NAR-AGG-352-MO-08-2017-71162-1 to 6	6
Solar	Jan-2017	NAR-AGG-352-MO-01-2017-66997-3 to 30	28
Solar	Feb-2017	NAR-AGG-352-MO-02-2017-67332-1 to 57	57
Solar	Jul-2017	NAR-AGG-352-MO-07-2017-70793-1 to 5	5
Solar	Mar-2017	NAR-AGG-352-MO-03-2017-69442-1 to 3	3
Solar	Aug-2018	NAR-AGG-370-MO-08-2018-78372-2 to 25	24
Solar	Feb-2017	NAR-AGG-370-MO-02-2017-68121-1 to 2	2
Solar	Oct-2018	NAR-AGG-370-MO-10-2018-78618-1 to 15	15
Solar	Aug-2017	NAR-AGG-370-MO-08-2017-71163-1 to 4	4
Solar	Dec-2017	NAR-AGG-370-MO-12-2017-73396-5 to 41	37
Solar	Oct-2017	NAR-AGG-370-MO-10-2017-71427-5 to 65	61
Solar	Mar-2017	NAR-AGG-370-MO-03-2017-69443-1 to 2	2
Solar	Jul-2017	NAR-AGG-370-MO-07-2017-70794-1 to 8	8
Solar	Dec-2018	NAR-AGG-370-MO-12-2018-82825-1 to 9	9
Solar	Nov-2017	NAR-AGG-370-MO-11-2017-71773-6 to 56	51
Solar	Sep-2018	NAR-AGG-370-MO-09-2018-78623-1 to 1	1
Solar	Jan-2017	NAR-AGG-370-MO-01-2017-67338-1 to 2	2
Solar	Sep-2017	NAR-AGG-370-MO-09-2017-71431-1 to 5	5
Solar	May-2017	NAR-AGG-370-MO-05-2017-69908-3 to 119	117
Solar	Apr-2017	NAR-AGG-370-MO-04-2017-69914-1 to 2	2
Solar	May-2018	NAR-AGG-370-MO-05-2018-77253-1 to 26	26
Solar	Mar-2017	NAR-AGG-370-MO-03-2017-68116-3 to 80	78
Solar	Feb-2018	NAR-AGG-370-MO-02-2018-76173-1 to 30	30
Solar	Apr-2017	NAR-AGG-370-MO-04-2017-69438-3 to 95	93
Solar	Jan-2019	NAR-AGG-370-MO-01-2019-83596-1 to 7	7
Solar	Apr-2018	NAR-AGG-370-MO-04-2018-77255-1 to 2	2
Solar	Apr-2018	NAR-AGG-370-MO-04-2018-77012-1 to 22	22
Solar	Jun-2018	NAR-AGG-370-MO-06-2018-77888-1 to 1	1
Solar	May-2017	NAR-AGG-370-MO-05-2017-70254-1 to 7	7

Solar	Jul-2017	NAR-AGG-370-MO-07-2017-70512-8 to 134	127
Solar	Jun-2017	NAR-AGG-370-MO-06-2017-70249-3 to 131	129
Solar	Jun-2017	NAR-AGG-370-MO-06-2017-70517-1 to 6	6
Solar	Sep-2017	NAR-AGG-370-MO-09-2017-71158-9 to 102	94
Solar	Nov-2018	NAR-AGG-370-MO-11-2018-80951-2 to 10	9
Solar	May-2018	NAR-AGG-370-MO-05-2018-77613-1 to 1	1
Solar	Jan-2017	NAR-AGG-370-MO-01-2017-66998-3 to 34	32
Solar	Mar-2018	NAR-AGG-370-MO-03-2018-76630-1 to 25	25
Solar	Nov-2017	NAR-AGG-370-MO-11-2017-73398-1 to 3	3
Solar	Aug-2017	NAR-AGG-370-MO-08-2017-70787-7 to 114	108
Solar	Sep-2018	NAR-AGG-370-MO-09-2018-78375-1 to 20	20
Solar	Oct-2017	NAR-AGG-370-MO-10-2017-71778-1 to 4	4
Solar	Jan-2018	NAR-AGG-370-MO-01-2018-76633-1 to 2	2
Solar	Jul-2018	NAR-AGG-370-MO-07-2018-77875-2 to 27	26
Solar	Jun-2018	NAR-AGG-370-MO-06-2018-77609-3 to 27	25
Solar	Feb-2017	NAR-AGG-370-MO-02-2017-67333-1 to 67	67
Solar	Jan-2018	NAR-AGG-370-MO-01-2018-74841-4 to 44	41
Solar	Nov-2017	NAR-AGG-395-MO-11-2017-71774-7 to 28	22
Solar	Dec-2017	NAR-AGG-395-MO-12-2017-73397-7 to 26	20
Solar	Jan-2017	NAR-AGG-395-MO-01-2017-66999-4 to 18	15
Solar	Feb-2017	NAR-AGG-395-MO-02-2017-67334-1 to 31	31
Solar	Jul-2017	NAR-AGG-395-MO-07-2017-70795-1 to 9	9
Solar	Mar-2017	NAR-AGG-395-MO-03-2017-69444-1 to 2	2
Solar	Dec-2018	NAR-AGG-395-MO-12-2018-82826-1 to 14	14
Solar	Jan-2018	NAR-AGG-395-MO-01-2018-76634-1 to 4	4
Solar	Aug-2017	NAR-AGG-395-MO-08-2017-71164-1 to 8	8
Solar	Jan-2018	NAR-AGG-395-MO-01-2018-74842-1 to 21	21
Solar	Jul-2018	NAR-AGG-395-MO-07-2018-78377-1 to 6	6
Solar	Nov-2017	NAR-AGG-395-MO-11-2017-73399-1 to 5	5
Solar	Mar-2018	NAR-AGG-395-MO-03-2018-76631-1 to 32	32
Solar	Sep-2018	NAR-AGG-395-MO-09-2018-78624-1 to 6	6
Solar	Aug-2018	NAR-AGG-395-MO-08-2018-78373-7 to 51	45
Solar	Nov-2018	NAR-AGG-395-MO-11-2018-80952-7 to 19	13
Solar	May-2017	NAR-AGG-395-MO-05-2017-70255-1 to 9	9
Solar	Nov-2018	NAR-AGG-395-MO-11-2018-82827-7 to 9	3
Solar	Aug-2017	NAR-AGG-395-MO-08-2017-70788-10 to 58	49
Solar	May-2018	NAR-AGG-395-MO-05-2018-77254-4 to 54	51
Solar	Jan-2019	NAR-AGG-395-MO-01-2019-83597-10 to 20	11
Solar	Sep-2017	NAR-AGG-395-MO-09-2017-71432-1 to 6	6
Solar	Jul-2018	NAR-AGG-395-MO-07-2018-77876-10 to 56	47
Solar	Mar-2018	NAR-AGG-395-MO-03-2018-77014-1 to 3	3
Solar	Jan-2017	NAR-AGG-395-MO-01-2017-67339-1 to 2	2
Solar	Oct-2017	NAR-AGG-395-MO-10-2017-71779-1 to 6	6
Solar	Jun-2017	NAR-AGG-395-MO-06-2017-70250-5 to 64	60
Solar	Jun-2018	NAR-AGG-395-MO-06-2018-77610-8 to 58	51

Solar	Oct-2018	NAR-AGG-395-MO-10-2018-80953-1 to 6	6
Solar	Feb-2018	NAR-AGG-395-MO-02-2018-76174-6 to 27	22
Solar	Jun-2017	NAR-AGG-395-MO-06-2017-70518-1 to 9	9
Solar	Sep-2017	NAR-AGG-395-MO-09-2017-71159-10 to 56	47
Solar	Oct-2017	NAR-AGG-395-MO-10-2017-71428-9 to 37	29
Solar	Apr-2017	NAR-AGG-395-MO-04-2017-69439-4 to 47	44
Solar	Apr-2018	NAR-AGG-395-MO-04-2018-77013-4 to 48	45
Solar	May-2018	NAR-AGG-395-MO-05-2018-77614-1 to 9	9
Solar	Jul-2017	NAR-AGG-395-MO-07-2017-70513-10 to 65	56
Solar	Mar-2017	NAR-AGG-395-MO-03-2017-68117-3 to 39	37
Solar	Apr-2017	NAR-AGG-395-MO-04-2017-69915-1 to 4	4
Solar	Oct-2018	NAR-AGG-395-MO-10-2018-78619-7 to 30	24
Solar	Feb-2017	NAR-AGG-395-MO-02-2017-68122-1 to 3	3
Solar	Feb-2018	NAR-AGG-395-MO-02-2018-76635-1 to 3	3
Solar	Apr-2018	NAR-AGG-395-MO-04-2018-77256-1 to 7	7
Solar	Jun-2018	NAR-AGG-395-MO-06-2018-77889-1 to 6	6
Solar	Sep-2018	NAR-AGG-395-MO-09-2018-78376-1 to 34	34
Solar	May-2017	NAR-AGG-395-MO-05-2017-69909-3 to 55	53

**Exhibit 2  
Pioneer Prairie Resource Affidavit\*\***

**CONFIDENTIAL**

**CONFIDENTIAL**

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**Exhibit 3  
Pioneer Prairie REC Meter Readings and Payments \*\***

**CONFIDENTIAL**

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Exhibit 4

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

M.O.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 88

CANCELLING M.O.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 88

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE

PURPOSE

The purpose of this Rider SR is to implement the solar rebate established through §393.1030 RSMo and to establish the terms, conditions and procedures which the Company will rely on in accepting rebate applications and authorizing rebate payments to eligible participants for a qualifying solar electric system.

\*AVAILABILITY

The Company will not suspend payment of solar rebates in 2014 and beyond until the solar rebate payments reach an aggregate level of \$91.9 million (the "specified level") incurred subsequent to July 31, 2012 as defined in the Non-Unanimous Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in File Number ET-2014-0085 ("Stipulation"). Solar rebate payments are anticipated to reach the specified level during 2014. The Company has filed with the Commission an application under the 60-day process as outlined in §393.1030.3 RSMo. to cease payments when the specified level is reached and all future calendar years, in accordance with the approved Stipulation, and the Commission has determined that the the maximum average retail rate increase, as specified in §393.1030.3 RSMo., will be reached when the specified level of payments has been made. Ameren Missouri solar rebate funds are no longer available for new applicants. However, if you submitted an application in December 2013 you are in the rebate commitment queue. Details concerning the current payment levels are posted on the Company's website at [www.ameren.com](http://www.ameren.com).

All retail customers (customer) of Company are eligible for the solar rebate with the following limitations and conditions:

1. The customer must be an active account on the Company's system and in good payment standing.
2. The System must be permanently installed on the customer's premise.
3. The customer must declare the installed System will remain in place on the account holder's premise for a minimum of ten (10) years.
4. The solar modules and inverters shall be new equipment and include a manufacturer's warranty of ten (10) years.
5. No retail electric account will be eligible for a solar rebate for more than twenty-five kilowatts (25 kW) of new or expanded capacity irrespective of the number of meters/service points associated with the account.
6. The System or expansion of an existing System must not become operational until after December 31, 2009 and must become operational on or before June 30, 2020.
7. The System shall meet all requirements of 4 CSR 240-20.065 and Company's Electric Power Purchases from Qualified Net Metering Units tariff.

\*Indicates Change

FILED  
Missouri Public  
Service Commission  
EE-2017-0235; JE-2017-0174

CANCELLED  
September 28, 2018  
Missouri Public  
Service Commission  
JE-2019-0038

DATE OF ISSUE March 13, 2017 DATE EFFECTIVE April 12, 2017  
ISSUED BY Michael Moehn TITLE President ADDRESS St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

# Exhibit 4

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 88.1

CANCELLING MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 88.1

APPLYING TO MISSOURI SERVICE AREA

## RIDER SR

### SOLAR REBATE (Cont'd.)

#### \*AVAILABILITY (Cont'd.)

8. The System must be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the System.

#### DEFINITIONS

Application Requirements - All Net Metering Application and Solar Rebate Application information necessary to receive an approval from Company as defined on Company's website [www.ameren.com](http://www.ameren.com) provided to Company including but not limited to accurate account number, name and service address matching customer billing information, all of the Net Metering Application, all fields of Solar Rebate Application except the "System Installation Date," customer and developer signatures, System plans, specifications, warranties and wiring diagram.

Completion Requirements - All System installation and final documentation requirements as defined on Company's website [www.ameren.com](http://www.ameren.com) provided to Company including but not limited to the System installation date, all required signatures, approval of the local inspection authority having jurisdiction (if applicable), copies of detailed receipts and invoices, System photo(s), taxpayer information form and affidavit (if applicable).

Net Metering Application - Section A. through Section D. of a "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" which can be obtained from Company's website [www.ameren.com](http://www.ameren.com).

Operational Date - The date that the Company installs a bi-directional meter and permits parallel operation of the System with Company's electrical distribution system in accordance with Company's "Electric Power Purchases From Qualified Net Metering Units" tariff.

Qualification Date - The date that determines a customer's relative position in the Reservation Queue.

Rebate Commitment - Company's written communication to customer, by letter or email, confirming that solar rebate funding is available for a Solar Rebate Application submitted by customer.

Reservation Queue - The list of all complete Net Metering Applications that have been received by Company which have not expired and have not been paid a Solar Rebate.

Solar Rebate Application - Sections H. and I. of a "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" which can be obtained from Company's website [www.ameren.com](http://www.ameren.com).

System - Qualifying solar electric system

\*Indicates Reissue

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Missouri Public  
Service Commission  
EE-2017-0235; JE-2017-0174

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September 28, 2018  
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Service Commission  
JE-2019-0038

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ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS



Exhibit 4

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 88.2

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.2

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE (Cont'd.)

\*REBATE RATE SCHEDULE

Subject to the Availability provisions of this Rider SR, complete and accurate Solar Rebate Applications received by Company or postmarked on or before December 31st of any year, and for which the System becomes operational on or before June 30th of the following year, will be eligible for a solar rebate according to the following schedule:

Table with 3 columns: Application Received on or before December 31st of the year, Operational Status Achieved on or before June 30th of the year, Rebate Rate per Watt. Rows for years 2013 through 2019.

If a customer has satisfied all of the System Completion Requirements by June 30th, of indicated years, but the Company is not able to complete all of the Company's steps needed to establish an Operational Date on or before June 30th, the Rebate Rate will be determined as though the Operational Date was June 30th. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before June 30th, the rebate rate will be determined based on the Operational Date.

\*\*RESERVATION QUEUE

Company will establish a Reservation Queue for solar rebate payments based on System Qualification Dates. A customer, and their developer, whose Net Metering Application and Solar Rebate Application are approved will be notified in writing, by letter or email that either:

- 1. Solar rebate funds have been committed for their System, subject to the Qualification Date not changing and the commitment not expiring, or
2. Solar rebate funds cannot be guaranteed for their System

At least twice monthly, Company will notify in writing, by letter or email, those customers and their developers that did not receive a Rebate Commitment but for which a Rebate Commitment is now being made as a result of other Systems that have dropped out of the Reservation Queue. Details concerning the Reservation Queue are posted on the Company website at www.ameren.com.

\*Indicates Change \*\*Indicates Addition

Filed Missouri Public Service Commission ET-2014-0085; YE-2014-0235

CANCELLED September 28, 2018 Missouri Public Service Commission JE-2019-0038

DATE OF ISSUE November 26, 2013 DATE EFFECTIVE December 26, 2013
ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

# Exhibit 4

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 88.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6 3rd Revised SHEET NO. 88.3

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE (Cont'd.)

**\*QUALIFICATION DATE AND REBATE COMMITMENT**

The Qualification Date will be the date Company receives a Net Metering Application and Solar Rebate Application, or the date that is postmarked if delivered by the U.S. Postal Service, that satisfy the Application Requirements and are subsequently approved by Company.

Company will only make a Rebate Commitment to a customer that has a Qualification Date and the customer, and their developer, will be notified in writing, by letter or email, of any deficiencies in the Application Requirements that will prevent a Rebate Commitment by Company.

Company's Rebate Commitment to a customer will expire if:

1. Customer has not returned to Company a completed intent to install form within 30 days of the Rebate Commitment being made. Company will provide the customer with an intent form by U.S. Mail concurrently with the Rebate Commitment. Signing and returning the intent form does not in any way obligate a customer to complete a solar system, or
2. The System has not attained an Operational Date within twelve (12) months of the Rebate Commitment date, or
3. The System is not constructed in accordance with the design submitted by the customer and approved by Company, thereby causing the Net Metering Application to become invalid.

If a customer has satisfied all of the Completion Requirements but the Company is not able to complete all of the Company's steps needed to establish an Operational Date by the expiration of the Rebate Commitment, the Rebate Rate will be determined as though the Operational Date was achieved prior to the expiration. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before the expiration date, the Rebate Commitment will expire and no payment will be made.

\*Indicates Change

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Service Commission  
JE-2018-0003

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September 28, 2018  
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Service Commission  
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ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

# Exhibit 4

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 88.4

CANCELLING MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.4

APPLYING TO MISSOURI SERVICE AREA

## RIDER SR

### SOLAR REBATE (Cont'd.)

#### \*REBATE PAYMENT

The amount of the rebate will be the combined direct current (DC) rating of the solar module(s) in watts from the manufacturer's specification sheet(s) for the new System or the current expansion of an existing System multiplied by the rebate rate as determined by the Rebate Rate Schedule provisions of this Rider SR.

A rebate payment will be made within thirty (30) days of the Operational Date provided that:

1. A complete and accurate Solar Rebate Application has been accepted by Company and a Rebate Commitment made by Company, and
2. Customer has satisfied all Completion Requirements, and
3. An "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" has been executed by the customer and Company.

#### SOLAR RENEWABLE ENERGY CREDITS (SREC'S)

On and after August 28, 2013, as a condition of receiving a solar rebate, customer shall transfer to Company all right, title and interest in and to the solar renewable energy credits ("SRECs") associated with the new or expanded System that qualified customer for the solar rebate for a period of ten (10) years from the date Company confirmed that the System was installed and operational.

Rebate payments made by Company prior to August 28, 2013, do not entitle Company to any right, title and interest in the SRECs produced by the portion of the System for which the rebate payment was made.

SRECs produced by the System, for which a rebate is received, cannot be sold or promised for sale to any other party by customer or used by customer for any environmental or "green" program for a period of ten (10) years from the date Company confirmed that the System was installed and operational.

The number of SRECs produced annually will be determined by Company using PVWatts software developed by the U.S. Department of Energy (DOE) with the result rounded to the tenths digit.

\*Indicates Change

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Missouri Public  
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EE-2017-0235; JE-2017-0174

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September 28, 2018  
Missouri Public  
Service Commission  
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ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

Effective 9/28/18-12/31/18

Exhibit 4

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.9

CANCELLING MO.P.S.C. SCHEDULE NO. SHEET NO.

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE RS MD 393.1030

\*PURPOSE

The purpose of this Rider SR is to implement the solar rebate established through §393.1030 RSMo and to establish the terms, conditions and procedures which the Company will rely on in accepting rebate applications and authorizing rebate payments to eligible participants for a qualifying solar electric system.

\*AVAILABILITY

The Company will not suspend payment of solar rebates in 2014 and beyond until the solar rebate payments reach an aggregate level of \$91.9 million (the "specified level") incurred subsequent to July 31, 2012 as defined in the Non-Unanimous Stipulation and Agreement approved by the Missouri Public Service Commission ("Commission") in File Number ET-2014-0085 ("Stipulation"). Solar rebate payments are anticipated to reach the specified level during 2014. The Company has filed with the Commission an application under the 60-day process as outlined in §393.1030.3 RSMo. to cease payments when the specified level is reached and all future calendar years, in accordance with the approved Stipulation, and the Commission has determined that the the maximum average retail rate increase, as specified in §393.1030.3 RSMo., will be reached when the specified level of payments has been made. Ameren Missouri solar rebate funds are no longer available for new applicants. However, if you submitted an application in December 2013 you are in the rebate commitment queue. Details concerning the current payment levels are posted on the Company's website at www.ameren.com.

All retail customers (customer) of Company are eligible for the solar rebate with the following limitations and conditions:

- 1. The customer must be an active account on the Company's system and in good payment standing.
2. The System must be permanently installed on the customer's premise.
3. The customer must declare the installed System will remain in place on the account holder's premise for a minimum of ten (10) years.
4. The solar modules and inverters shall be new equipment and include a manufacturer's warranty of ten (10) years.
5. No retail electric account will be eligible for a solar rebate for more than twenty-five kilowatts (25 kW) of new or expanded capacity irrespective of the number of meters/service points associated with the account.
6. The System or expansion of an existing System must not become operational until after December 31, 2009 and must become operational on or before June 30, 2020.
7. The System shall meet all requirements of 4 CSR 240-20.065 and Company's Electric Power Purchases from Qualified Net Metering Units tariff.

\*Indicates Reissue

FILED Missouri Public Service Commission JE-2019-0038

DATE OF ISSUE August 29, 2018 DATE EFFECTIVE September 28, 2018

ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

# Exhibit 4

UNION ELECTRIC COMPANY      ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6      Original      SHEET NO. 88.10

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_      SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

## RIDER SR

SOLAR REBATE RS MD 393.1030 (Cont'd.)

### \*AVAILABILITY (Cont'd.)

8. The System must be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the System.

### \*DEFINITIONS

Application Requirements - All Net Metering Application and Solar Rebate Application information necessary to receive an approval from Company as defined on Company's website [www.ameren.com](http://www.ameren.com) provided to Company including but not limited to accurate account number, name and service address matching customer billing information, all of the Net Metering Application, all fields of Solar Rebate Application except the "System Installation Date," customer and developer signatures, System plans, specifications, warranties and wiring diagram.

Completion Requirements - All System installation and final documentation requirements as defined on Company's website [www.ameren.com](http://www.ameren.com) provided to Company including but not limited to the System installation date, all required signatures, approval of the local inspection authority having jurisdiction (if applicable), copies of detailed receipts and invoices, System photo(s), taxpayer information form and affidavit (if applicable).

Net Metering Application - Section A. through Section D. of a "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" which can be obtained from Company's website [www.ameren.com](http://www.ameren.com).

Operational Date - The date that the Company installs a bi-directional meter and permits parallel operation of the System with Company's electrical distribution system in accordance with Company's "Electric Power Purchases From Qualified Net Metering Units" tariff.

Qualification Date - The date that determines a customer's relative position in the Reservation Queue.

Rebate Commitment - Company's written communication to customer, by letter or email, confirming that solar rebate funding is available for a Solar Rebate Application submitted by customer.

Reservation Queue - The list of all complete Net Metering Applications that have been received by Company which have not expired and have not been paid a Solar Rebate.

Solar Rebate Application - Sections H. and I. of a "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" which can be obtained from Company's website [www.ameren.com](http://www.ameren.com).

System - Qualifying solar electric system

\*Indicates Reissue

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JE-2019-0038

DATE OF ISSUE August 29, 2018      DATE EFFECTIVE September 28, 2018

ISSUED BY Michael Moehn      President      St. Louis, Missouri  
NAME OF OFFICER      TITLE      ADDRESS

# Exhibit 4

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.11

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

## RIDER SR

### SOLAR REBATE RS MD 393.1030 (Cont'd.)

#### \*REBATE RATE SCHEDULE

Subject to the Availability provisions of this Rider SR, complete and accurate Solar Rebate Applications received by Company or postmarked on or before December 31st of any year, and for which the System becomes operational on or before June 30th of the following year, will be eligible for a solar rebate according to the following schedule:

<u>Application Received</u> <u>on or before December</u> <u>31st of the year</u>	<u>Operational Status</u> <u>Achieved on or before</u> <u>June 30th of the year</u>	<u>Rebate Rate per Watt</u>
2013	2014	\$2.00
2014	2015	\$1.50
2015	2016	\$1.00
2016	2017	\$0.50
2017	2018	\$0.50
2018	2019	\$0.50
2019	2020	\$0.25

If a customer has satisfied all of the System Completion Requirements by June 30th, of indicated years, but the Company is not able to complete all of the Company's steps needed to establish an Operational Date on or before June 30th, the Rebate Rate will be determined as though the Operational Date was June 30th. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before June 30th, the rebate rate will be determined based on the Operational Date.

#### \*RESERVATION QUEUE

Company will establish a Reservation Queue for solar rebate payments based on System Qualification Dates. A customer, and their developer, whose Net Metering Application and Solar Rebate Application are approved will be notified in writing, by letter or email that either:

1. Solar rebate funds have been committed for their System, subject to the Qualification Date not changing and the commitment not expiring, or
2. Solar rebate funds cannot be guaranteed for their System

At least twice monthly, Company will notify in writing, by letter or email, those customers and their developers that did not receive a Rebate Commitment but for which a Rebate Commitment is now being made as a result of other Systems that have dropped out of the Reservation Queue. Details concerning the Reservation Queue are posted on the Company website at [www.ameren.com](http://www.ameren.com).

\*Indicates Reissue

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DATE OF ISSUE August 29, 2018 DATE EFFECTIVE September 28, 2018  
ISSUED BY Michael Moehn President St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

Exhibit 4

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.12

CANCELLING MO.P.S.C. SCHEDULE NO. SHEET NO.

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE RS MD 393.1030 (Cont'd.)

\*RESERVATION QUEUE (Cont'd.)

Effective September 28, 2018, Company will only make additional Rebate Commitments under this Rider SR Solar Rebate RS MD 393.1030 tariff to Systems which have already become operational. Customers in the Reservation Queue having approved Net Metering Applications will be notified of the availability of solar rebate funding available through Rider SR Solar Rebate 2018-2023 and advised how and when they can submit an application under that program.

\*QUALIFICATION DATE AND REBATE COMMITMENT

The Qualification Date will be the date Company receives a Net Metering Application and Solar Rebate Application, or the date that is postmarked if delivered by the U.S. Postal Service, that satisfy the Application Requirements and are subsequently approved by Company.

Company will only make a Rebate Commitment to a customer that has a Qualification Date and the customer, and their developer, will be notified in writing, by letter or email, of any deficiencies in the Application Requirements that will prevent a Rebate Commitment by Company.

Company's Rebate Commitment to a customer will expire if:

- 1. Customer has not returned to Company a completed intent to install form within 30 days of the Rebate Commitment being made. Company will provide the customer with an intent form by U.S. Mail concurrently with the Rebate Commitment. Signing and returning the intent form does not in any way obligate a customer to complete a solar system, or
2. The System has not attained an Operational Date within twelve (12) months of the Rebate Commitment date, or
3. The System is not constructed in accordance with the design submitted by the customer and approved by Company, thereby causing the Net Metering Application to become invalid.

If a customer has satisfied all of the Completion Requirements but the Company is not able to complete all of the Company's steps needed to establish an Operational Date by the expiration of the Rebate Commitment, the Rebate Rate will be determined as though the Operational Date was achieved prior to the expiration. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements required of the customer on or before the expiration date, the Rebate Commitment will expire and no payment will be made.

\*Indicates Addition

\*\*Indicates Reissue

FILED Missouri Public Service Commission JE-2019-0038

DATE OF ISSUE August 29, 2018 DATE EFFECTIVE September 28, 2018

ISSUED BY Michael Moehn President St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

# Exhibit 4

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

Original

SHEET NO. 88.13

CANCELLING MO.P.S.C. SCHEDULE NO. \_\_\_\_\_

SHEET NO. \_\_\_\_\_

APPLYING TO

MISSOURI SERVICE AREA

## RIDER SR

### SOLAR REBATE RS MD 393.1030 (Cont'd.)

#### \*REBATE PAYMENT

The amount of the rebate will be the combined direct current (DC) rating of the solar module(s) in watts from the manufacturer's specification sheet(s) for the new System or the current expansion of an existing System multiplied by the rebate rate as determined by the Rebate Rate Schedule provisions of this Rider SR.

A rebate payment will be made within thirty (30) days of the Operational Date provided that:

1. A complete and accurate Solar Rebate Application has been accepted by Company and a Rebate Commitment made by Company, and
2. Customer has satisfied all Completion Requirements, and
3. An "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" has been executed by the customer and Company.

#### \*SOLAR RENEWABLE ENERGY CREDITS (SREC'S)

On and after August 28, 2013, as a condition of receiving a solar rebate, customer shall transfer to Company all right, title and interest in and to the solar renewable energy credits ("SRECs") associated with the new or expanded System that qualified customer for the solar rebate for a period of ten (10) years from the date Company confirmed that the System was installed and operational.

Rebate payments made by Company prior to August 28, 2013, do not entitle Company to any right, title and interest in the SRECs produced by the portion of the System for which the rebate payment was made.

SRECs produced by the System, for which a rebate is received, cannot be sold or promised for sale to any other party by customer or used by customer for any environmental or "green" program for a period of ten (10) years from the date Company confirmed that the System was installed and operational.

The number of SRECs produced annually will be determined by Company using PVWatts software developed by the U.S. Department of Energy (DOE) with the result rounded to the tenths digit.

\*Indicates Reissue

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Service Commission  
JE-2019-0038

DATE OF ISSUE August 29, 2018

DATE EFFECTIVE September 28, 2018

ISSUED BY Michael Moehn  
NAME OF OFFICER

President  
TITLE

St. Louis, Missouri  
ADDRESS



# Exhibit 5

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

M.O.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 89

CANCELLING M.O.P.S.C. SCHEDULE NO. \_\_\_\_\_

Original

SHEET NO. 89

APPLYING TO \_\_\_\_\_

MISSOURI SERVICE AREA

## RIDER 5P

### SOLAR RENEWABLE ENERGY CREDIT PURCHASE

#### PURPOSE

The purpose of this rider is to provide a mechanism for eligible customers to sell and Company to purchase the Renewable Energy Credits associated with energy generated by solar electric systems operating under Company's Electric Power Purchases from Qualified Net Metering Units tariff herein.

#### AVAILABILITY

This rider is available to any retail electric customer operating a solar electric system in compliance with Company's approved net metering tariff.

\*Availability of service under this rider shall be limited to those customers for which an "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" is received by Company or postmarked on or before August 27, 2013, and commitments offered by Company on or before December 31, 2013, and by the cumulative total of the actual payment commitments and estimated payment commitments offered by Company during 2013, of up to \$1,000,000 with at least \$350,000 (35%) being reserved specifically for commitments under the Lump Sum Offer as described below.

#### TERM

This rider shall be effective through December 31, 2014, and will terminate thereafter unless modified or extended. In the event that this rider expires, all commitments offered by Company on or before December 31, 2013, will be honored for their full term.

#### DEFINITIONS

1. REC - Renewable Energy Credit, or Renewable Energy Certificate means a tradable certificate, that is either certified by an entity approved as an acceptable authority by the Missouri Public Service Commission (Commission) or as validated through the Commission's approved REC tracking system or a generator's attestation and further defined in 4 CSR 240-20.100 Electric Utility Renewable Energy Standard Requirements.
2. SREC - Solar Renewable Energy Credit - A REC produced by a solar electric resource.
3. SREC Price - \$5.00 per SREC.
4. Retail Account Holder - The customer of record taking service from Company under any of Company's retail electric tariffs.

\*Indicates Change

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DATE OF ISSUE	<u>July 29, 2013</u>	DATE EFFECTIVE	<u>August 28, 2013</u>
ISSUED BY	<u>Warner L. Baxter</u>	<u>President &amp; CEO</u>	<u>St. Louis, Missouri</u>
	<u>NAME OF OFFICER</u>	<u>TITLE</u>	<u>ADDRESS</u>

# Exhibit 5

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

M.O.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 89.1

CANCELLING M.O.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 89.1

APPLYING TO MISSOURI SERVICE AREA

## RIDER 8D

### SOLAR RENEWABLE ENERGY CREDIT PURCHASE (Cont'd.)

#### DEFINITIONS (Cont'd.)

5. Customer-Generator - the owner, lessee, or operator of an electric energy generation unit that meets all of the following criteria:
  - a. Is powered by a renewable energy resource.
  - b. Is located on premises that are owned, operated, leased or otherwise controlled by the party as Retail Account Holder and which corresponds to the service address for the retail account.
  - c. Has received approval from Company to interconnect with and operate in parallel phase and synchronization with Company's electric distribution system.
  - d. Meets all applicable safety, performance, interconnection, and reliability standards endorsed by the net metering rule, 4 CSR 240-20.065(1)(C)6 and 4 CSR 240-20.065(1)(C)7.
6. PVWatts - A program available from the U.S. Department of Energy (DOE) that estimates the kilowatt-hour (kWh) production of a solar electric system based on specific system parameters.
7. Incremental System Capacity - Any additional capacity installed by customer subsequent to Company having entered into a Net Metering Application/Agreement with Customer-Generator under Company's Electric Power Purchases from Qualified Net Metering Units tariff. Revising the capacity of a pending Net Metering Application/Agreement that has not yet become effective constitutes a design change for that pending Application/Agreement and will not be considered Incremental System Capacity.

#### STANDARD OFFERS

Company will purchase SRECs produced and owned by a Customer-Generator under either the Lump Sum Offer or the Annual Payment Offer listed below based on the DC nameplate capacity of the Customer-Generator's system. Only SRECs produced after January 1, 2013 are eligible for either Standard Offer. Payments will only be made to the Retail Account Holder.

- \* Lump Sum Offer applies to systems whose installed DC nameplate capacity is less than 10 kW and, at customer's option, any systems of 10 kW or larger but not greater than 100 kW that have not already executed an agreement under the Annual Payment Offer:

\*Indicates Change

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DATE OF ISSUE	<u>September 10, 2013</u>	DATE EFFECTIVE	<u>October 10, 2013</u>
ISSUED BY	<u>Warner L. Baxter</u>	<u>President &amp; CEO</u>	<u>St. Louis, Missouri</u>
	NAME OF OFFICER	TITLE	ADDRESS

# Exhibit 5

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

M.O.P.S.C. SCHEDULE NO. 6

2nd Revised

SHEET NO. 89.2

CANCELING M.O.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 89.2

APPLYING TO

MISSOURI SERVICE AREA

## RIDER SP

### SOLAR RENEWABLE ENERGY CREDIT PURCHASE (Cont'd.)

#### STANDARD OFFERS (Cont'd.)

- \*\* 1. Company will offer to purchase 100% of the SRECs produced during the first 120 calendar months (10 years) following the execution of the agreement or the operational date of the Customer-Generator whichever occurs later.
- \*\* 2. The numbers of SRECs produced annually will be determined by Company using PVWatts software with the result rounded to the tenths digit.
- 3. Company will make a single payment up-front for all SRECs purchased over the term of the agreement according to the following formula:

$$\text{Up-Front Payment} = \text{Annual SRECs produced} \times 10 \text{ years} \times \text{SREC Price.}$$

- \* Annual Payment Offer is available, at customer's option, to systems whose installed DC nameplate capacity is 10 kW or larger but not greater than 100 kW:
  - 1. Company will offer to purchase 100% of the SRECs produced during the first 120 calendar months (10 years) following the execution of the agreement or the operational date of the Customer-Generator whichever occurs later.
  - 2. Customer-Generator must make provisions for Company to meter all energy produced by the system. The numbers of SRECs produced annually will be determined by those meter readings with total SRECs available for purchase being kilowatt-hour energy divided by 1,000 with the result rounded to the tenths digit.
  - 3. Company will make payments annually no later than March 31 based upon actual SRECs produced as measured by meter readings from the 12 billing periods ending approximately December 31 of the immediately preceding year. This will result in eleven (11) payments over the ten (10) year term for most agreements with the first and last payment being for less than a full twelve (12) month period according to the following formula:

$$\text{Annual Payment} = \text{SRECs produced} \times \text{SREC Price}$$

#### INCREMENTAL SYSTEM CAPACITY

When a customer adds Incremental System Capacity, Company will make an offer to purchase the SRECs associated with only the Incremental System Capacity.

- 1. If the total capacity of the system remains eligible for the Lump Sum Offer, then Company will provide a Lump Sum Offer for the Incremental System Capacity.
- 2. If the Incremental System Capacity results in a total capacity that exceeds the capacity limit of the Lump Sum Offer, then the Annual Payment Offer will apply to the Incremental System Capacity. The number of SRECs purchased under the Annual Payment Offer will be the total number of SRECs produced by the system less any SRECs already purchased under the Lump Sum Offer during the same period.

\*Indicates Change    \*\*Indicates Reissue

DATE OF ISSUE September 10, 2013

DATE EFFECTIVE October 10, 2013

ISSUED BY Warner L. Baxter  
NAME OF OFFICER

President & CEO  
TITLE

St. Louis, Missouri  
ADDRESS

# Exhibit 5

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 89.3

CANCELLING MO.P.S.C. SCHEDULE NO. 6

Original

SHEET NO. 89.3

APPLYING TO

MISSOURI SERVICE AREA

## RIDER 5F

### SOLAR RENEWABLE ENERGY CREDIT PURCHASE (Cont'd.)

#### \* OWNERSHIP CHANGE

If the Retail Account Holder associated with a Customer-Generator facility that has received payment under the Lump Sum Offer changes during the term of an agreement, the new Retail Account Holder will not be eligible for a contract until such time as the term of the existing Lump Sum Offer has expired.

If the Retail Account Holder associated with a Customer-Generator facility that has entered into an agreement under the Annual Payment Offer changes during the term of the agreement, the original Retail Account Holder will receive payment for all SRECs produced prior to the change and waives all rights to payment for SRECs produced after the change. Payments associated with SRECs produced subsequent to the change in the Retail Account Holder will be made to the new Retail Account Holder provided the new Retail Account Holder executes a new agreement for the balance of the five (5) year term.

#### CONTRACT/OFFER

Company will only accept a request for a standard offer contract if the Customer-Generator has submitted and Company has accepted a completed application for net metering service.

Company will provide a commitment to customer for either the Lump Sum Offer or the Annual Payment Offer provided that Company's cumulative total of the actual payment commitments and estimated payment commitments have not exceeded the amount(s) indicated under "AVAILABILITY".

For a Customer-Generator that is not yet operational (new systems), Company's commitment will be presented to customer upon acceptance by Company of Customer-Generator's design. For a Customer-Generator that is already operating under Company's Electric Power Purchases from Qualified Net Metering Units tariff herein, and has not previously received a Standard Offer from Company, Company's commitment will be presented to customer within ninety (90) days of January 1, 2013. Customers that previously received a Standard Offer from Company but did not accept the offer remain eligible to receive an offer, upon request and subject to availability, but will not be solicited again by Company.

Company's commitment will expire after twelve (12) months if any of the following conditions have not been met:

1. The Customer-Generator has not become operational or
2. the customer has not executed and returned the agreement or
3. Customer-Generator has not satisfied the metering requirements of the Annual Payment Offer.

\*Indicates Reissue

DATE OF ISSUE September 10, 2013

DATE EFFECTIVE October 10, 2013

ISSUED BY Warner L. Baxter  
NAME OF OFFICER

President & CEO  
TITLE

St. Louis, Missouri  
ADDRESS

# Exhibit 5

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6

1st Revised

SHEET NO. 89.4

CANCELLING MO.P.S.C. SCHEDULE NO. 6

Original

SHEET NO. 89.4

APPLYING TO

MISSOURI SERVICE AREA

## RIDER SR

### SOLAR RENEWABLE ENERGY CREDIT PURCHASE (Cont'd.)

#### CONTRACT/OFFER (Cont'd.)

\* In the event Customer-Generator revises the nameplate capacity from that which Company's offer was based upon:

1. If the change is not more than a 10% increase or decrease in nameplate capacity, Company will present a revised SREC offer based on the revised nameplate capacity, or
2. If the change is more than a 10% increase or decrease in nameplate capacity, Company's offer will become void. Availability and Term of this tariff will determine whether Company will present a revised offer.

Company will enter into an agreement and initiate the Lump Sum Offer or the Annual Payment Offer only after the Customer-Generator has become operational.

Any agreement executed between Company and customer under previous versions of this rider remain valid under the terms specified in that agreement.

In the event that Company ceases entering into new agreements as a result of meeting the cumulative total payment commitment referenced above and subsequently authorizes additional expenditures, Customer-Generators whose design was accepted by Company but did not receive an offer will be given the opportunity to participate under this rider in the order that their design was accepted by Company.

Inquiries related to this tariff, net metering service and Rider SR - Solar Rebate should be made to:

One Ameren Plaza  
1901 Chouteau Avenue  
P.O. Box 66149, MC 1450  
St. Louis MO 63103

Att: General Executive, Renewables

#### GENERAL RULES & REGULATIONS

In addition to the above specific rules and regulations, all of Company's General Rules and Regulations shall apply to the supply of service under this rider.

\*Indicates Reissue

DATE OF ISSUE September 10, 2013

DATE EFFECTIVE October 10, 2013

ISSUED BY Warner L. Baxter  
NAME OF OFFICER

President & CEO  
TITLE

St. Louis, Missouri  
ADDRESS

**Exhibit 6**  
2018 Metered Accounts

<b>Zip Code</b>	<b>Aggregated Subaccount</b>	<b>Interconnection Date</b>	<b>2018 Annual Metered Generation (MWh)</b>	<b>Start Date</b>	<b>End Date</b>
63021	AGG352	1/14/13	0.279	1/8/13	1/8/18
63125	AGG352	10/31/12	0.488	1/10/13	1/10/18
63017	AGG352	12/7/12	0.037	1/3/13	1/3/18
63141	AGG352	1/7/13	0.053	1/8/13	1/8/18
63114	AGG352	6/26/12	0.425	1/12/13	1/12/18
63021	AGG352	1/23/13	1.210	1/24/13	1/24/18
63021	AGG352	1/23/13	0.979	1/24/13	1/24/18
63141	AGG352	1/24/13	0.930	1/25/13	1/25/18
63017	AGG352	1/22/13	0.716	1/23/13	1/23/18
63043	AGG352	1/14/13	0.060	1/8/13	1/8/18
63125	AGG352	11/5/12	0.677	1/19/13	1/19/18
63146	AGG352	1/16/13	0.109	1/8/13	1/8/18
63146	AGG352	1/9/13	0.101	1/8/13	1/8/18
63146	AGG352	1/9/13	0.144	1/8/13	1/8/18
63128	AGG352	10/31/12	0.451	1/12/13	1/12/18
63011	AGG352	1/16/13	0.164	1/11/13	1/11/18
63141	AGG352	1/9/13	0.074	1/8/13	1/8/18
63021	AGG352	1/16/13	0.184	1/10/13	1/10/18
63129	AGG352	11/5/12	0.740	1/17/13	1/17/18
63011	AGG352	1/14/13	0.078	1/8/13	1/8/18
63105	AGG370	9/17/12	2.481	2/6/13	2/6/18
63017	AGG370	12/8/12	1.167	1/29/13	1/29/18
63146	AGG370	9/7/12	4.855	2/20/13	2/20/18
63132	AGG370	3/13/13	31.619	4/27/13	4/27/23
63011	AGG370	2/5/13	1.728	2/8/13	2/8/18
63011	AGG370	1/28/13	1.112	1/29/13	1/29/18
63114	AGG370	7/18/12	2.216	2/9/13	2/9/18
63011	AGG370	2/5/13	1.995	2/22/13	2/22/18
63141	AGG370	3/26/13	3.918	3/21/13	3/21/18
63017	AGG370	4/5/13	5.476	4/6/13	4/6/18
63147	AGG370	2/12/13	3.157	2/13/13	2/13/18
63114	AGG370	6/26/12	2.179	2/9/13	2/9/18
63131	AGG370	1/14/13	3.755	3/9/13	3/9/18
63017	AGG370	2/25/13	2.561	2/26/13	2/26/18
63017	AGG370	12/12/12	1.583	2/3/13	2/3/18
63105	AGG370	7/30/12	7.585	3/12/13	3/12/18
63117	AGG370	2/22/13	2.908	2/23/13	2/23/18
63017	AGG370	4/8/13	5.478	4/9/13	4/9/18

63017	AGG370	1/25/13	2.911	2/12/13	2/12/18
63139	AGG370	3/26/13	28.537	5/7/13	5/7/23
63132	AGG370	3/13/13	31.232	4/27/13	4/27/23
63122	AGG370	2/25/13	20.055	5/17/13	5/17/23
63122	AGG370	3/26/13	31.067	5/2/13	5/2/23
63122	AGG370	3/26/13	30.035	5/2/13	5/2/23
63122	AGG370	4/3/13	26.275	4/30/13	4/30/23
63023	AGG370	9/21/12	0.322	1/10/13	1/10/18
63052	AGG370	2/8/13	1.025	2/9/13	2/9/18
63114	AGG370	9/21/12	1.644	2/5/13	2/5/18
63701	AGG370	3/28/13	15.043	5/1/13	5/1/23
63141	AGG370	12/11/12	4.916	4/6/13	4/6/18
63084	AGG395	12/7/12	26.113	6/1/13	6/1/23
63043	AGG395	5/2/13	27.402	6/6/13	6/6/23
65109	AGG395	3/19/13	13.617	6/18/13	6/18/18
63122	AGG395	4/8/13	27.006	7/22/13	7/22/23
63101	AGG395	1/14/13	0.036	6/4/13	6/4/23
65109	AGG395	3/19/13	14.381	6/18/13	6/18/18
63141	AGG395	10/30/12	14.865	6/15/13	6/15/23
63021	AGG395	2/5/13	13.559	6/15/13	6/15/18
63010	AGG395	2/13/13	17.534	7/31/13	7/31/23
63501	AGG395	3/6/13	33.293	4/27/13	4/27/23
63005	AGG395	4/26/13	12.285	5/7/13	5/7/23
63043	AGG395	1/28/13	28.218	7/25/13	7/25/23
63016	AGG395	4/11/13	30.373	5/3/13	5/3/23
63016	AGG395	4/11/13	28.657	5/3/13	5/3/23
63110	AGG395	1/28/13	30.691	7/25/13	7/25/23
65109	AGG395	1/23/13	15.077	7/10/13	7/10/23
63021	AGG395	6/10/13	12.601	7/25/13	7/25/23
65233	AGG395	9/14/12	28.481	5/29/13	5/29/23
65109	AGG395	1/23/13	23.200	7/10/13	7/10/23
65101	AGG395	6/11/13	14.187	8/13/13	8/13/23
63104	AGG395	1/28/13	26.506	7/20/13	7/20/23
65233	AGG395	2/8/13	13.698	7/10/13	7/10/23

2018 Unmetered Accounts

<b>Zip Code</b>	<b>Aggregated Subaccount</b>	<b>Interconnection Date</b>	<b>Annual Estimated 2018 Generation (MWh)</b>	<b>Start Date</b>	<b>End Date</b>
63141	GEN337	1/25/08	5.1	1/1/11	1/1/21
63011	GEN337	4/29/08	2.3	1/1/11	1/1/21
63102	GEN337	6/10/08	4.4	1/1/11	1/1/21
63038	GEN337	7/8/08	5.9	1/1/11	1/1/21
63090	GEN337	8/28/08	2.3	1/1/11	1/1/21
63124	GEN337	12/5/08	5.1	1/1/11	1/1/21
63020	GEN337	1/21/09	2.3	1/1/11	1/1/21
65041	GEN337	1/23/09	2.3	1/1/11	1/1/21
63138	GEN337	2/13/09	3.1	1/1/11	1/1/21
64024	GEN337	3/25/09	2.2	1/1/11	1/1/21
63069	GEN337	5/1/09	4.4	1/1/11	1/1/21
63011	GEN337	5/4/09	3.1	1/1/11	1/1/21
63640	GEN337	5/7/09	3.5	1/1/11	1/1/21
63122	GEN337	5/14/09	0.8	1/1/11	1/1/21
63117	GEN337	7/17/09	2.7	1/1/11	1/1/21
63128	GEN337	7/22/09	4.8	1/1/11	1/1/21
63111	GEN337	8/12/09	2.5	1/1/11	1/1/21
63141	GEN337	1/22/10	3.5	1/1/11	1/1/21
63132	GEN337	2/16/10	2.4	1/1/11	1/1/21
63101	GEN337	4/9/10	5.0	1/1/11	1/1/21



63017	GEN337	4/22/10	8.0	1/1/11	1/1/21
63069	GEN337	5/10/10	0.3	1/1/11	1/1/21
63069	GEN337	5/10/10	0.3	1/1/11	1/1/21
63069	GEN337	5/10/10	0.3	1/1/11	1/1/21
63069	GEN337	5/10/10	0.3	1/1/11	1/1/21
63069	GEN337	5/10/10	0.3	1/1/11	1/1/21
63020	GEN337	5/11/10	6.5	1/1/11	1/1/21
63069	GEN337	5/11/10	0.3	1/1/11	1/1/21
63069	GEN337	5/11/10	0.3	1/1/11	1/1/21
63069	GEN337	5/11/10	0.3	1/1/11	1/11/21
63143	GEN337	6/24/10	2.7	1/1/11	1/1/21
63104	GEN337	6/25/10	2.3	1/1/11	1/1/21
65010	GEN337	7/14/10	4.3	1/1/11	1/1/21
63043	GEN337	7/16/10	3.9	1/1/11	1/1/21
63050	GEN337	7/20/10	3.9	1/1/11	1/1/21
63017	GEN337	7/27/10	3.0	1/1/11	1/1/21
63105	GEN337	7/30/10	5.2	1/1/11	1/1/21
63119	GEN337	8/20/10	4.6	1/1/11	1/1/21
65049	GEN337	9/24/10	1.8	1/1/11	1/1/21
63128	GEN337	10/19/10	6.3	1/1/11	1/1/21
63117	GEN337	10/25/10	3.0	1/1/11	1/1/21
63026	GEN337	10/27/10	7.9	1/1/11	1/1/21
63105	GEN337	11/3/10	5.2	1/1/11	1/1/21
63117	GEN337	11/15/10	2.4	1/1/11	1/1/21

63132	GEN337	11/15/10	3.5	1/1/11	1/1/21
63052	GEN337	11/16/10	2.5	1/1/11	1/1/21
63640	GEN337	11/17/10	2.5	1/1/11	1/1/21
63701	GEN337	12/2/10	2.6	1/1/11	1/1/21
63104	GEN337	12/10/10	7.7	1/1/11	1/1/21
63104	GEN337	12/10/10	5.4	1/1/11	1/1/21
63104	GEN337	12/10/10	3.0	1/1/11	1/1/21
63104	GEN337	12/10/10	3.0	1/1/11	1/1/21
63104	GEN337	12/10/10	3.0	1/1/11	1/1/21
63104	GEN337	12/10/10	6.5	1/1/11	1/1/21
63104	GEN337	12/10/10	6.2	1/1/11	1/1/21
63389	GEN337	12/10/10	9.4	1/1/11	1/1/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63104	GEN337	1/19/11	2.4	1/19/11	1/19/21
63011	GEN337	1/19/11	10.0	1/19/11	1/19/21
63137	GEN337	1/26/11	12.1	1/26/11	1/26/21
65079	GEN337	1/26/11	7.9	1/26/11	1/26/21
63104	GEN337	1/27/11	12.2	1/27/11	1/27/21

63104	GEN337	1/27/11	11.9	1/27/11	1/27/21
63104	GEN337	1/27/11	10.4	1/27/11	1/27/21
63104	GEN337	1/27/11	10.1	1/27/11	1/27/21
63104	GEN337	1/27/11	5.9	1/27/11	1/27/21
63104	GEN337	1/27/11	8.3	1/27/11	1/27/21
63129	GEN337	1/27/11	10.4	1/27/11	1/27/21
63130-4899	GEN337	1/31/11	10.9	1/31/11	1/1/21
63303	GEN337	2/8/11	10.4	2/8/11	2/8/21
63025	GEN337	2/10/11	5.1	2/10/11	2/10/21
63043	GEN337	2/11/11	0.6	2/11/11	2/11/21
63110	GEN337	3/2/11	7.2	3/2/11	3/2/21
63109	GEN337	3/2/11	3.9	3/2/11	3/2/21
63122	GEN337	3/8/11	11.6	3/8/11	3/8/21
64024	GEN337	3/9/11	6.5	3/9/11	1/1/21
63052	GEN337	3/9/11	11.6	3/9/11	3/9/21
65109	GEN337	3/16/11	12.2	3/16/11	3/16/21
63336	GEN337	3/18/11	9.9	3/18/11	3/18/21
63020	GEN337	3/21/11	5.9	3/21/11	3/21/21
65101	GEN337	3/23/11	12.2	3/23/11	3/23/21
63131	GEN337	4/18/11	11.6	4/18/11	4/18/21
63114	GEN337	4/21/11	3.9	4/21/11	4/21/21
65043	GEN337	4/26/11	12.2	4/26/11	4/26/21
63090	GEN337	4/29/11	5.8	4/29/11	4/29/21
63084	GEN337	5/6/11	0.6	5/6/11	5/6/21

63122	GEN337	5/9/11	5.7	5/9/11	5/9/21
63112	GEN337	5/12/11	5.2	5/12/11	5/12/21
63303	GEN337	5/13/11	6.8	5/13/11	5/13/21
65049	GEN337	5/18/11	7.0	5/18/11	5/18/21
63129	GEN337	5/24/11	4.8	5/24/11	5/24/21
65109	GEN337	5/26/11	12.5	5/26/11	5/26/21
65109	GEN337	5/26/11	12.5	5/26/11	5/26/21
64062	GEN337	6/1/11	5.8	6/1/11	6/1/21
63106	GEN337	6/21/11	5.9	6/21/11	6/21/21
63106	GEN337	6/21/11	4.8	6/21/11	6/21/21
63106	GEN337	6/21/11	3.0	6/21/11	6/21/21
63106	GEN337	6/21/11	4.2	6/21/11	6/21/21
63106	GEN337	6/21/11	4.2	6/21/11	6/21/21
63106	GEN337	6/21/11	2.1	6/21/11	6/21/21
63106	GEN337	6/21/11	5.4	6/21/11	6/21/21
63106	GEN337	6/21/11	2.4	6/21/11	6/21/21
63106	GEN337	6/21/11	1.5	6/21/11	6/21/21
63106	GEN337	6/23/11	7.7	6/23/11	6/23/21
63106	GEN337	6/23/11	5.9	6/23/11	6/23/21
63106	GEN337	6/23/11	3.0	6/23/11	6/23/21
63106	GEN337	6/23/11	11.9	6/23/11	6/23/21
63106	GEN337	6/23/11	6.5	6/23/11	6/23/21
63106	GEN337	6/23/11	4.8	6/23/11	6/23/21
63106	GEN337	6/23/11	10.4	6/23/11	6/23/21

63106	GEN337	6/23/11	3.0	6/23/11	6/23/21
63106	GEN337	6/23/11	2.3	6/23/11	6/23/21
63106	GEN337	6/23/11	4.8	6/23/11	6/23/21
63106	GEN337	6/23/11	4.2	6/23/11	6/23/21
63106	GEN337	6/23/11	9.2	6/23/11	6/23/21
63106	GEN337	6/23/11	5.9	6/23/11	6/23/21
63106	GEN337	6/23/11	2.4	6/23/11	6/23/21
63106	GEN337	6/23/11	8.9	6/23/11	6/23/21
63106	GEN337	6/23/11	3.0	6/23/11	6/23/21
63106	GEN337	6/24/11	5.4	6/24/11	6/24/21
63146	GEN337	6/24/11	4.5	6/24/11	6/24/21
63106	GEN337	6/24/11	4.2	6/24/11	6/24/21
63106	GEN337	6/24/11	5.1	6/24/11	6/24/21
63106	GEN337	6/24/11	8.3	6/24/11	6/24/21
63106	GEN337	6/24/11	7.1	6/24/11	6/24/21
63106	GEN337	6/24/11	4.2	6/24/11	6/24/21
63106	GEN337	6/24/11	5.4	6/24/11	6/24/21
63106	GEN337	6/24/11	3.0	6/24/11	6/24/21
63106	GEN337	6/24/11	3.6	6/24/11	6/24/21
63106	GEN337	6/24/11	5.9	6/24/11	6/24/21
63106	GEN337	6/24/11	3.0	6/24/11	6/24/21
63106	GEN337	6/24/11	1.8	6/24/11	6/24/21
63106	GEN337	6/24/11	2.4	6/24/11	6/24/21
63106	GEN337	6/24/11	4.8	6/24/11	6/24/21

63106	GEN337	6/29/11	3.0	6/29/11	6/29/21
63106	GEN337	6/29/11	3.3	6/29/11	6/29/21
63106	GEN337	6/30/11	10.4	6/30/11	6/30/21
63106	GEN337	6/30/11	10.7	6/30/11	6/30/21
65043	GEN337	7/11/11	12.5	7/11/11	7/11/21
63016	GEN337	7/12/11	3.6	7/12/11	7/12/21
63106	GEN337	7/12/11	8.3	7/12/11	7/12/21
63084	GEN337	7/13/11	12.2	7/13/11	7/13/21
63084	GEN337	7/13/11	7.3	7/13/11	7/13/21
65047	GEN337	7/18/11	10.5	7/18/11	7/18/21
63126	GEN337	7/18/11	5.2	7/18/11	7/18/21
63050	GEN337	7/18/11	6.4	7/18/11	7/18/21
65101	GEN337	7/20/11	6.5	7/20/11	7/20/21
65109	GEN337	7/20/11	12.5	7/20/11	7/20/21
65010	GEN337	7/20/11	6.8	7/20/11	7/14/21
63146	GEN337	7/25/11	6.4	7/25/11	7/25/21
65043-1339	GEN337	7/26/11	12.5	7/26/11	7/26/21
63127	GEN337	8/2/11	12.5	8/2/11	8/2/21
65026	GEN337	8/10/11	6.3	8/11/11	8/11/21
63025	GEN337	8/16/11	12.5	8/16/11	8/16/21
63841	GEN337	8/17/11	4.2	8/17/11	8/17/21
63005	GEN337	8/17/11	6.3	8/17/11	8/17/21
63383	GEN337	8/17/11	12.5	8/17/11	8/17/21
63141	GEN337	8/18/11	12.6	8/18/11	8/11/21

63141	GEN337	8/18/11	8.6	8/18/11	8/18/21
63104	GEN337	8/19/11	4.3	8/19/11	8/19/21
65233	GEN337	8/29/11	12.5	8/30/11	8/30/21
63005	GEN337	8/31/11	12.5	8/31/11	8/31/21
63109	GEN337	9/8/11	7.4	9/8/11	9/8/21
63628	GEN337	9/14/11	6.8	9/15/11	9/15/21
63376	GEN337	9/20/11	7.9	9/20/11	9/15/21
63017	GEN337	9/21/11	4.6	9/21/11	9/21/21
65270	GEN337	9/26/11	12.5	9/26/11	9/26/21
63390	GEN337	9/29/11	4.8	9/30/11	9/30/22
65072	GEN337	10/11/11	3.6	10/12/11	10/12/21
63109	GEN337	10/11/11	4.0	10/12/11	10/12/21
63131	GEN337	10/12/11	7.3	10/12/11	10/12/21
63105	GEN337	10/31/11	3.2	11/1/11	11/1/21
63363	GEN337	11/1/11	12.5	11/1/11	11/1/21
63128	GEN337	11/15/11	12.5	11/15/11	11/15/21
63701-9456	GEN337	11/21/11	1.7	11/21/11	11/21/21
63102	GEN337	12/30/11	3.6	12/30/11	12/30/21
63084	GEN374	8/8/11	0.6	4/6/12	4/6/22
63141	GEN374	10/31/11	3.6	11/1/11	11/1/21
63050	GEN374	11/1/11	5.2	7/21/12	7/21/22
63026	GEN374	11/3/11	12.1	1/1/12	1/1/22
63304	GEN374	11/16/11	3.6	11/17/11	11/17/21
63044	GEN374	12/2/11	5.8	12/2/11	12/2/21

63801	GEN374	12/7/11	6.4	12/8/11	12/8/21
63026	GEN374	12/9/11	7.3	12/10/11	12/10/21
63146	GEN374	12/9/11	8.7	12/10/11	12/10/21
65101	GEN374	12/9/11	12.5	12/10/11	12/10/21
65039	GEN374	12/9/11	5.4	12/10/11	12/10/21
63106	GEN374	12/16/11	1.2	12/16/11	12/8/21
63106	GEN374	12/16/11	1.2	12/17/11	12/27/21
65109	GEN374	12/28/11	3.6	12/29/11	12/29/21
63141	GEN374	12/30/11	1.2	12/30/11	8/19/21
63052	GEN374	1/6/12	11.3	1/6/12	1/6/22
63025	GEN374	1/6/12	12.2	1/7/12	1/7/22
63011	GEN374	1/12/12	10.2	1/13/12	1/13/22
65109	GEN374	1/13/12	3.5	1/14/12	1/14/22
63109	GEN374	1/19/12	6.1	1/19/12	1/19/22
63109	GEN374	1/19/12	4.9	1/19/12	1/9/21
63104	GEN374	1/24/12	6.8	1/24/12	1/24/22
63129	GEN374	1/24/12	2.3	1/24/12	1/24/22
63131	GEN374	1/25/12	2.8	1/25/12	1/25/22
63640	GEN374	1/25/12	4.0	3/12/12	3/12/22
63108	GEN374	1/27/12	7.4	1/28/12	1/28/22
63052	GEN374	1/30/12	0.9	1/30/12	1/30/22
63105	GEN374	1/30/12	6.4	1/31/12	1/31/22
65109	GEN374	1/31/12	1.8	2/1/12	2/1/22
63031	GEN374	2/2/12	3.8	2/2/12	2/2/22



63105	GEN374	2/2/12	5.1	2/3/12	2/3/22
63090	GEN374	2/9/12	6.1	2/9/12	2/9/22
63110	GEN374	2/22/12	2.7	2/22/12	2/22/22
65023	GEN374	2/23/12	11.9	2/24/12	2/24/22
63025	GEN374	2/24/12	7.3	2/24/12	2/24/22
63017	GEN374	2/24/12	11.4	2/24/12	2/15/22
63640	GEN374	2/27/12	12.2	2/27/12	2/27/22
63101	GEN374	2/28/12	12.2	2/29/12	2/28/22
65041	GEN374	2/29/12	10.9	3/1/12	3/1/22
63110	GEN374	3/8/12	4.5	3/14/12	3/14/22
65026	GEN374	3/12/12	5.9	3/13/12	3/13/22
63106	GEN374	3/13/12	1.2	3/13/12	3/13/22
63144	GEN374	3/13/12	2.4	3/13/12	3/13/22
65039	GEN374	3/19/12	12.0	3/20/12	3/20/22
63131	GEN374	3/28/12	11.5	3/29/12	3/29/22
63122	GEN374	3/28/12	6.1	3/29/12	3/29/22
63011	GEN374	3/28/12	3.6	3/29/12	3/29/22
63068	GEN374	4/2/12	8.9	4/3/12	4/3/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22

63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22

63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63052	GEN374	4/19/12	7.6	4/20/12	4/20/22
63701	GEN374	4/24/12	1.7	4/24/12	3/10/22
63126	GEN374	5/1/12	7.9	5/1/12	11/4/21
63052	GEN374	5/3/12	5.7	5/4/12	5/4/22

63010	GEN374	5/3/12	3.6	5/4/12	5/4/22
63366	GEN374	5/10/12	9.7	5/10/12	12/10/21
63109	GEN374	5/11/12	2.3	5/12/12	5/12/22
63366	GEN374	5/14/12	6.5	5/15/12	5/15/22
65041	GEN374	5/15/12	6.3	5/16/12	5/16/22
63366	GEN374	5/18/12	11.6	5/19/12	5/19/22
63025	GEN374	5/18/12	6.6	5/19/12	5/19/22
63010	GEN374	5/23/12	3.6	5/24/12	5/24/22
63090	GEN374	5/24/12	3.6	5/24/12	5/23/22
63368	GEN374	5/25/12	12.5	5/26/12	5/26/22
63028	GEN374	5/29/12	5.5	5/30/12	5/30/22
63118	GEN374	5/30/12	12.4	5/31/12	5/31/22
65049	GEN374	5/31/12	10.4	6/1/12	6/1/22
65052	GEN374	5/31/12	12.1	6/1/12	6/1/22
63038	GEN374	6/1/12	12.1	6/2/12	6/2/22
63376	GEN374	6/6/12	4.3	6/17/12	6/17/22
63124	GEN374	6/7/12	1.9	6/8/12	6/8/22
63130	GEN374	6/7/12	3.6	6/8/12	6/8/22
63069	GEN374	6/11/12	6.5	6/12/12	6/12/22
63069	GEN374	6/11/12	6.5	6/12/12	6/12/22
63069	GEN374	6/11/12	8.3	6/12/12	6/12/22
63104	GEN374	6/13/12	13.4	6/14/12	6/14/22
63015	GEN374	6/13/12	12.1	9/19/12	6/19/22
63026	GEN374	6/14/12	6.4	6/15/12	6/15/22

63366	GEN374	6/15/12	12.1	6/16/12	6/16/22
63118	GEN374	6/20/12	3.9	6/21/12	6/21/22
63366	GEN374	6/25/12	6.7	6/26/12	6/26/22
63112	GEN374	6/26/12	5.9	6/27/12	6/27/22
63051	GEN374	6/27/12	7.1	6/28/12	6/28/22
63090	GEN374	6/28/12	11.2	6/29/12	6/29/22
63090	GEN374	6/28/12	12.5	6/29/12	6/29/22
63109	GEN374	6/29/12	6.4	7/2/12	7/2/22
65109	GEN374	7/2/12	8.5	7/13/12	7/12/22
63368	GEN374	7/3/12	11.8	7/4/12	7/4/22
65068	GEN374	7/9/12	12.5	7/10/12	7/10/22
63129	GEN374	7/10/12	10.9	7/11/12	7/11/22
63108	GEN374	7/11/12	10.3	7/12/12	7/12/22
63366	GEN374	7/11/12	6.3	7/12/12	7/12/22
65049	GEN374	7/11/12	8.7	7/12/12	7/12/22
63122	GEN374	7/11/12	9.1	7/14/12	7/14/22
63069	GEN374	7/12/12	10.9	7/13/12	7/13/22
63017	GEN374	7/13/12	11.4	7/14/12	7/14/22
65043	GEN374	7/13/12	10.9	7/14/12	7/14/22
63143	GEN374	7/16/12	12.1	7/16/12	7/16/22
63051	GEN374	7/16/12	12.5	7/17/12	7/17/22
63026	GEN374	7/17/12	6.1	7/18/12	7/18/22
63114	GEN374	7/18/12	6.5	7/19/12	7/19/22
63146	GEN374	7/19/12	5.6	7/20/12	7/20/22

65026	GEN374	7/20/12	8.3	7/21/12	7/21/22
63042	GEN374	7/22/12	3.6	7/22/12	7/13/22
63130	GEN374	7/25/12	1.9	7/25/12	7/20/22
63023	GEN374	7/26/12	11.8	7/27/12	7/27/22
65285	GEN374	8/1/12	12.5	8/2/12	8/2/22
63366	GEN374	8/1/12	10.4	8/3/12	8/3/22
63110	GEN374	8/2/12	8.5	8/3/12	8/3/22
63108-3014	GEN374	8/2/12	10.3	8/7/12	8/7/22
63010	GEN374	8/3/12	12.1	8/4/12	8/4/22
63129	GEN374	8/3/12	10.6	8/4/12	8/4/22
63119	GEN374	8/3/12	1.8	8/14/12	8/14/22
63026	GEN374	8/7/12	4.9	8/7/12	8/7/22
63128	GEN374	8/7/12	10.1	8/8/12	8/8/22
63376	GEN374	8/8/12	11.7	8/9/12	8/9/22
63366	GEN374	8/8/12	8.2	8/9/12	8/9/22
63011	GEN374	8/9/12	8.2	8/9/12	4/18/22
63376	GEN374	8/10/12	7.4	8/11/12	8/11/22
63026	GEN374	8/13/12	10.8	8/14/12	8/14/22
63119	GEN374	8/14/12	4.9	8/15/12	8/15/22
63105	GEN374	8/15/12	3.6	8/15/12	8/15/22
63376	GEN374	8/15/12	12.1	8/16/12	8/16/22
63109	GEN374	8/15/12	7.3	8/16/12	8/16/22
63128	GEN374	8/17/12	6.7	8/17/12	7/28/22
63069	GEN374	8/22/12	7.9	8/22/12	8/7/22

63041	GEN374	8/22/12	12.4	8/22/12	8/12/22
63069	GEN374	8/22/12	7.9	8/23/12	8/23/22
63122	GEN374	8/23/12	9.1	8/24/12	8/24/22
63069	GEN374	8/29/12	10.0	8/30/12	8/30/22
63119	GEN374	8/29/12	8.9	8/30/12	8/30/22
63379	GEN374	8/29/12	11.8	8/31/12	8/31/22
63119	GEN374	8/29/12	4.6	8/31/12	8/31/22
63366	GEN374	9/5/12	6.5	9/6/12	9/6/22
65026	GEN374	9/7/12	12.1	9/7/12	8/17/22
63069	GEN374	9/9/12	7.4	9/10/12	9/10/22
63127	GEN374	9/13/12	9.7	9/14/12	9/14/22
63033	GEN374	9/17/12	9.1	9/18/12	9/18/22
63131	GEN374	9/17/12	8.2	9/18/12	9/18/22
63131	GEN374	9/17/12	9.1	9/18/12	9/18/22
63385	GEN374	9/20/12	11.4	9/21/12	9/21/22
63701	GEN374	9/20/12	7.6	9/21/12	9/21/22
63126	GEN374	9/24/12	8.1	9/25/12	9/25/22
63104	GEN374	9/24/12	6.1	9/25/12	9/25/22
63304	GEN374	9/24/12	12.1	9/25/12	9/25/22
63034	GEN374	9/24/12	6.5	9/25/12	9/25/22
63033	GEN374	9/24/12	7.9	9/25/12	9/25/22
63301	GEN374	9/24/12	6.5	9/25/12	9/25/22
63010	GEN374	9/26/12	6.1	9/26/12	9/1/22
63366	GEN374	9/26/12	9.9	9/27/12	9/27/22

63146	GEN374	10/1/12	3.2	10/2/12	10/2/22
63376	GEN374	10/1/12	12.1	10/2/12	10/2/22
63301	GEN374	10/1/12	6.8	10/2/12	10/2/22
63376	GEN374	10/1/12	9.3	10/2/12	10/2/22
63640	GEN374	10/1/12	11.2	10/2/13	10/2/22
63801	GEN374	10/5/12	7.8	10/5/12	10/5/22
63824	GEN374	10/5/12	8.9	10/6/12	10/6/22
63366	GEN374	10/5/12	8.1	10/6/12	10/6/22
63038	GEN374	10/8/12	11.6	10/10/12	10/10/22
63084	GEN374	10/8/12	8.1	10/18/12	10/18/22
63005	GEN374	10/9/12	12.3	10/10/12	10/10/22
63349	GEN374	10/9/12	12.1	10/10/12	10/10/22
63368	GEN374	10/9/12	10.2	10/10/12	10/10/22
63357	GEN374	10/9/12	12.1	10/23/12	10/23/22
63110	GEN374	10/11/12	2.7	10/12/12	10/12/22
63130	GEN374	10/11/12	7.6	10/12/12	10/12/22
63089	GEN374	10/15/12	5.3	10/16/12	10/16/22
63132	GEN374	10/16/12	10.5	10/17/12	10/17/22
63028	GEN374	10/19/12	11.4	10/20/12	10/20/22
63026	GEN374	10/19/12	5.1	10/20/12	10/20/22
63343	GEN374	10/22/12	11.5	10/22/12	10/20/22
63368	GEN374	10/26/12	12.4	10/27/12	10/27/22
63701	GEN374	10/26/12	9.1	10/27/12	10/27/22
63379	GEN374	10/26/12	12.4	10/27/12	10/27/22



63146	GEN374	10/30/12	8.0	10/31/12	10/31/22
63118	GEN374	10/31/12	6.3	11/1/12	11/1/22
63303	GEN374	11/5/12	8.1	11/6/12	11/6/22
63104	GEN374	11/6/12	7.7	11/7/12	11/7/22
63104	GEN374	11/6/12	9.9	11/7/12	11/7/22
63038	GEN374	11/6/12	12.3	11/7/12	11/7/22
63124	GEN374	11/7/12	12.0	11/8/12	11/8/22
63703	GEN374	11/7/12	11.4	11/8/12	11/8/22
63088	GEN374	11/7/12	12.4	11/8/12	11/8/22
63020	GEN374	11/8/12	10.1	11/9/12	11/9/22
63104	GEN374	11/8/12	10.2	11/9/12	11/9/22
63119	GEN374	11/9/12	6.5	11/10/12	11/10/22
63068	GEN374	11/16/12	12.1	11/17/12	11/17/22
63110	GEN374	11/20/12	2.7	11/21/12	11/21/22
63301	GEN374	11/28/12	11.4	11/29/12	11/29/22
63131	GEN374	11/28/12	12.2	11/29/12	11/29/22
63070	GEN374	11/30/12	10.1	12/1/12	12/1/22
63068	GEN374	12/4/12	5.3	12/5/12	12/5/22
63334	GEN374	12/6/12	12.4	12/7/12	12/7/22
63015	GEN374	12/7/12	11.4	12/8/12	12/8/22
63012	GEN374	12/13/12	9.0	12/14/12	12/14/22
63131	GEN374	12/14/12	12.5	12/15/12	12/15/22
63055	GEN374	12/14/12	10.9	12/15/12	12/15/22
63146	GEN374	12/18/12	5.4	12/19/12	12/19/22

63104	GEN374	12/19/12	6.2	12/20/12	12/20/22
63069	GEN374	12/27/12	10.2	12/27/12	12/27/22
65049	GEN374	12/28/12	12.5	12/28/12	12/28/22
65049	GEN374	12/28/12	10.1	12/29/12	12/29/22
65072	GEN510	3/17/11	3.8	11/19/13	11/19/23
65109	GEN510	1/31/12	0.9	6/3/13	1/1/23
63068	GEN510	8/21/12	1.3	1/1/13	1/1/23
63090	GEN510	9/24/12	2.1	1/1/13	1/1/23
65043	GEN510	9/25/12	12.3	9/26/12	9/26/22
63376	GEN510	10/9/12	7.3	10/10/12	10/10/22
63021	GEN510	10/9/12	12.4	10/10/12	10/10/22
63011	GEN510	10/9/12	4.9	1/1/13	1/1/23
63005	GEN510	10/9/12	8.9	1/1/13	1/1/23
63361	GEN510	10/11/12	0.3	10/12/12	10/12/22
63376	GEN510	10/15/12	12.4	10/16/12	10/16/22
63139	GEN510	10/22/12	10.2	10/23/12	10/23/22
63124	GEN510	10/31/12	5.0	11/1/12	11/1/22
63119	GEN510	10/31/12	7.8	11/1/12	11/1/22
63301	GEN510	10/31/12	12.1	1/1/13	1/1/23
65043	GEN510	11/1/12	12.1	11/2/12	11/2/22
63124	GEN510	11/6/12	12.5	11/7/12	11/7/22
63660	GEN510	11/8/12	1.6	11/9/12	11/9/22
63110	GEN510	11/8/12	12.4	11/9/12	11/9/22
63126	GEN510	11/9/12	5.5	11/10/12	11/10/22

63624	GEN510	11/13/12	1.8	11/14/12	11/14/22
63361	GEN510	11/19/12	0.3	11/20/12	11/20/22
63628	GEN510	11/23/12	12.6	12/8/12	12/8/22
63379	GEN510	11/28/12	12.1	11/29/12	11/29/22
63303	GEN510	11/28/12	6.2	11/29/12	11/29/22
63021	GEN510	11/28/12	12.4	11/29/12	11/29/22
63304	GEN510	11/28/12	6.1	1/1/13	1/1/23
63021	GEN510	11/28/12	7.9	11/29/13	11/29/23
63366	GEN510	11/30/12	11.5	11/30/12	11/20/22
63116	GEN510	11/30/12	5.2	12/1/12	12/1/22
63050	GEN510	12/3/12	10.2	12/4/12	12/4/22
63049	GEN510	12/7/12	6.4	12/8/12	12/8/22
63303	GEN510	12/7/12	12.1	12/8/12	12/8/22
63090	GEN510	12/7/12	10.8	12/8/12	12/8/22
63129	GEN510	12/7/12	11.5	1/1/13	1/1/23
65101	GEN510	12/10/12	11.8	12/11/12	12/11/22
65066	GEN510	12/12/12	10.3	12/13/12	12/13/22
63015	GEN510	12/13/12	7.1	12/14/12	12/14/22
63005	GEN510	12/13/12	12.4	12/14/12	12/14/22
63011	GEN510	12/13/12	9.9	12/14/12	12/14/22
63038	GEN510	12/13/12	12.0	12/14/13	12/14/23
63090	GEN510	12/14/12	12.3	12/15/12	12/15/22
63090	GEN510	12/14/12	7.9	12/15/12	12/15/23
63090	GEN510	12/14/12	7.3	12/15/12	12/15/22

63090	GEN510	12/14/12	9.5	12/15/12	12/15/22
63043	GEN510	12/14/12	6.7	12/15/12	12/15/22
63119	GEN510	12/14/12	3.9	12/15/12	12/15/22
63124	GEN510	12/14/12	7.9	1/1/13	1/1/23
63131	GEN510	1/3/13	6.7	1/4/13	1/4/23
63050	GEN510	1/3/13	8.9	1/4/13	1/4/23
63141	GEN510	1/4/13	12.6	1/5/13	1/5/23
65084	GEN510	1/7/13	4.6	1/8/13	1/8/23
63301	GEN510	1/7/13	10.2	1/8/13	1/8/23
63143	GEN510	1/8/13	6.1	1/9/13	1/9/23
63736	GEN510	1/9/13	1.7	1/1/14	1/1/24
63005	GEN510	1/10/13	12.1	1/11/13	1/11/23
63025	GEN510	1/10/13	8.7	1/11/13	1/11/23
63366	GEN510	1/10/13	11.2	1/11/13	1/11/23
63303	GEN510	1/11/13	8.5	1/12/13	1/12/23
65582	GEN510	1/11/13	8.4	1/12/13	1/12/23
63127	GEN510	1/14/13	12.6	1/14/13	1/14/23
63052	GEN510	1/14/13	6.1	1/15/13	1/15/23
63051	GEN510	1/14/13	8.4	1/15/13	1/15/23
63126	GEN510	1/14/13	2.6	1/16/14	1/16/24
63303	GEN510	1/23/13	11.9	1/24/13	1/24/23
65109	GEN510	1/23/13	7.9	1/24/13	1/24/23
65109	GEN510	1/23/13	7.9	1/24/13	1/24/23
63025	GEN510	1/25/13	12.4	1/26/13	1/26/23

63128	GEN510	1/25/13	6.1	1/26/13	1/26/23
63129	GEN510	1/25/13	7.7	1/26/13	1/26/23
63010	GEN510	1/29/13	12.6	1/30/13	1/30/23
63645	GEN510	2/1/13	12.2	2/2/13	2/2/23
65265	GEN510	2/4/13	4.7	2/4/13	1/1/23
63026	GEN510	2/4/13	11.4	2/5/13	2/5/23
63130	GEN510	2/5/13	4.3	2/6/13	2/6/23
64477	GEN510	2/7/13	2.5	2/8/13	2/8/23
63144	GEN510	2/8/13	4.5	2/9/13	2/9/23
63141	GEN510	2/8/13	8.5	2/9/13	2/9/23
63130	GEN510	2/8/13	10.0	2/9/13	2/9/23
63141	GEN510	2/8/13	11.6	2/9/13	2/9/23
63124	GEN510	2/8/13	10.2	2/9/13	2/9/23
63005	GEN510	2/12/13	12.1	2/12/13	2/8/23
63122	GEN510	2/19/13	7.3	2/20/13	2/20/23
63376	GEN510	2/20/13	11.1	2/21/13	2/21/23
63703	GEN510	2/22/13	9.9	2/23/13	2/23/23
63366	GEN510	2/26/13	12.4	2/27/13	2/27/23
63390	GEN510	3/6/13	9.7	3/7/13	3/7/23
63701	GEN510	3/7/13	5.1	4/10/13	3/8/23
63090	GEN510	3/8/13	8.2	3/8/13	3/9/23
63090	GEN510	3/8/13	8.2	3/9/13	3/9/23
63090	GEN510	3/8/13	10.4	3/9/13	3/9/23
63090	GEN510	3/8/13	10.4	3/9/13	3/9/23

63090	GEN510	3/8/13	9.7	3/9/13	3/9/23
63119	GEN510	3/11/13	9.4	3/12/13	3/12/23
65109	GEN510	3/19/13	10.9	3/20/13	3/20/23
65109	GEN510	3/19/13	7.3	3/20/13	3/20/23
63386	GEN510	3/26/13	10.8	3/27/13	3/27/23
63110	GEN510	3/26/13	8.6	3/27/13	3/27/23
63146	GEN510	3/27/13	7.1	3/27/13	1/1/23
65233	GEN510	3/27/13	1.3	3/27/13	3/28/22
63069	GEN510	4/1/13	9.3	4/2/13	4/2/23
63090	GEN510	4/8/13	8.2	4/9/13	4/9/23
63090	GEN510	4/8/13	9.5	4/9/13	4/9/23
63090	GEN510	4/8/13	12.3	4/9/13	4/9/23
63090	GEN510	4/8/13	7.3	4/9/13	4/9/23
63130	GEN510	4/8/13	7.3	4/9/13	4/9/23
63034	GEN510	4/9/13	9.4	4/10/13	4/10/23
65301	GEN510	4/10/13	5.1	4/11/13	4/11/23
63368	GEN510	4/12/13	9.3	4/13/13	4/13/23
63383	GEN510	4/12/13	10.9	4/13/13	4/13/23
63084	GEN510	4/18/13	12.5	4/19/13	4/19/23
63128	GEN510	4/18/13	12.1	4/19/13	4/19/23
63104	GEN510	4/19/13	4.8	4/20/13	4/20/23
63303	GEN510	4/24/13	10.8	4/25/13	4/25/23
63119	GEN510	4/24/13	6.1	4/25/13	4/25/23
63052	GEN510	4/25/13	8.9	4/26/13	4/26/23

63780	GEN510	4/25/13	8.8	4/26/13	4/26/23
63119	GEN510	4/30/13	7.4	5/1/13	5/1/23
65011	GEN510	5/1/13	7.3	12/2/13	12/2/23
63049	GEN510	5/3/13	1.3	1/20/14	1/20/24
63044	GEN510	5/6/13	9.3	5/7/13	5/7/23
64024	GEN510	5/6/13	12.1	5/7/13	5/7/23
63303	GEN510	5/7/13	9.3	5/8/13	5/8/23
63640	GEN510	5/9/13	11.4	5/10/13	5/10/23
63050	GEN510	5/15/13	7.3	5/15/13	5/15/23
63128	GEN510	5/22/13	11.8	5/23/13	5/23/23
63303	GEN510	5/23/13	4.9	5/23/13	5/23/23
63090	GEN510	5/24/13	12.4	5/25/13	5/25/23
63049	GEN510	5/24/13	8.1	5/25/13	5/25/23
63069	GEN510	5/24/13	12.4	5/25/13	5/25/23
63050	GEN510	5/24/13	11.5	5/25/13	5/25/23
63118	GEN510	5/29/13	9.9	5/30/13	5/30/23
63021	GEN510	5/29/13	4.3	5/30/13	5/30/23
63090	GEN510	5/30/13	11.4	5/31/13	5/31/23
63127	GEN510	6/5/13	7.9	6/6/13	6/6/23
63376	GEN510	6/10/13	5.6	6/10/13	6/10/23
65101	GEN510	6/11/13	5.6	6/12/13	6/12/23
63011	GEN510	6/11/13	9.3	6/12/13	6/12/23
63049	GEN510	6/13/13	9.9	6/14/13	6/14/23
63128	GEN510	6/14/13	7.9	6/15/13	6/15/23

65065	GEN510	6/16/13	6.8	6/17/13	6/17/23
63020	GEN510	6/24/13	14.5	6/24/13	6/24/23
63068	GEN510	6/24/13	7.9	6/25/13	6/25/23
63052	GEN510	6/26/13	7.0	6/27/13	6/27/23
63303	GEN510	6/27/13	7.9	6/28/13	6/28/23
63050	GEN510	6/27/13	9.9	6/28/13	6/28/23
65026	GEN510	7/1/13	9.9	7/2/13	7/2/23
63016	GEN510	7/3/13	11.2	7/4/13	7/4/23
63090	GEN510	7/8/13	10.4	7/9/13	7/9/23
65013	GEN510	7/9/13	5.5	7/10/13	7/10/23
65233	GEN510	7/10/13	12.3	7/11/13	7/11/23
63369	GEN510	7/10/13	7.8	7/11/13	7/11/23
63090	GEN510	7/11/13	4.7	9/16/13	7/11/23
63304	GEN510	7/15/13	11.2	7/16/13	7/16/23
63701	GEN510	7/17/13	3.8	7/18/13	7/18/23
63640	GEN510	7/19/13	9.3	7/20/13	7/20/23
63049	GEN510	7/19/13	9.7	7/20/13	7/20/23
63028	GEN510	7/19/13	3.9	12/5/13	12/5/23
63116	GEN510	7/23/13	5.6	7/24/13	7/24/23
63701	GEN510	7/24/13	6.3	7/25/13	7/25/23
63501	GEN510	7/24/13	7.3	7/25/13	7/25/23
63049	GEN510	7/25/13	8.9	7/25/13	6/25/23
63104	GEN510	7/25/13	31.8	7/25/13	7/25/23
63026	GEN510	7/25/13	6.8	7/26/13	7/26/23



63051	GEN510	7/25/13	12.6	7/26/13	7/26/23
63130	GEN510	7/25/13	7.2	7/26/13	7/26/23
63601	GEN510	7/29/13	12.0	7/30/13	7/30/23
64024	GEN510	7/31/13	9.9	8/1/13	8/1/23
63005	GEN510	8/1/13	14.6	8/1/13	8/1/23
63303	GEN510	8/16/13	13.0	8/16/13	8/16/23
63037	GEN510	8/19/13	6.1	8/20/13	8/20/23
63016	GEN510	8/20/13	9.9	8/20/13	8/20/23
63501	GEN510	8/20/13	31.4	8/20/13	8/20/23
63501	GEN510	8/20/13	31.4	8/20/13	8/20/23
63501	GEN510	8/20/13	31.4	8/20/13	8/20/23
63501	GEN510	8/20/13	31.4	8/20/13	8/20/23
63501	GEN510	8/20/13	31.4	8/20/13	8/20/23
63129	GEN510	8/21/13	16.4	8/21/13	8/16/23
63132	GEN510	8/21/13	10.1	8/22/13	8/22/23
63126	GEN510	8/23/13	10.5	8/23/13	8/23/23
63301	GEN510	8/26/13	7.6	8/26/13	8/26/23
63010	GEN510	8/27/13	8.4	8/22/14	8/22/24
63025	GEN510	8/28/13	18.0	8/28/13	8/28/23
63055	GEN510	8/28/13	14.2	8/28/13	8/28/23
63146	GEN510	8/28/13	31.6	10/3/14	10/3/24
63104	GEN510	9/2/13	5.9	9/2/13	9/2/23
63028	GEN510	9/3/13	30.9	9/3/13	9/3/23
63051	GEN510	9/3/13	3.2	9/3/13	9/3/23

63028	GEN510	9/3/13	23.8	9/3/13	9/3/23
63088	GEN510	9/4/13	9.5	9/4/13	9/4/23
63501	GEN510	9/4/13	12.6	9/4/13	9/4/23
63334	GEN510	9/4/13	15.8	9/4/13	9/3/23
63601	GEN510	9/4/13	9.0	9/4/13	9/3/23
63124	GEN510	9/4/13	17.1	9/4/13	9/4/23
63052	GEN510	9/5/13	8.4	9/5/13	9/5/23
63366	GEN510	9/6/13	16.1	9/6/13	9/6/23
63383	GEN510	9/6/13	24.2	9/6/13	9/3/23
63376	GEN510	9/6/13	13.9	9/6/13	9/3/23
63055	GEN510	9/8/13	32.2	9/8/13	9/8/23
63020	GEN510	9/9/13	28.4	9/9/13	9/9/23
63701	GEN510	9/9/13	19.0	9/9/13	9/3/23
63383	GEN510	9/13/13	30.6	9/13/13	9/3/23
65039	GEN510	9/15/13	31.5	9/15/13	9/15/23
63023	GEN510	9/16/13	22.1	9/16/13	9/16/23
63368	GEN510	9/16/13	14.2	9/16/13	9/16/23
63138	GEN510	9/19/13	22.7	9/19/13	9/19/23
63780	GEN510	9/19/13	9.2	9/19/13	9/19/23
64024	GEN510	9/19/13	25.3	9/19/13	9/19/23
63049	GEN510	9/19/13	14.6	9/19/13	9/19/23
63026	GEN510	9/19/13	11.4	9/19/13	9/3/23
63628	GEN510	9/19/13	31.6	9/19/13	9/19/23
63055	GEN510	9/20/13	21.2	9/20/13	9/20/23

63069	GEN510	9/20/13	18.3	9/20/13	9/20/23
63055	GEN510	9/20/13	17.7	9/20/13	9/20/23
63303	GEN510	9/20/13	12.4	9/20/13	9/3/23
63303	GEN510	9/20/13	8.7	9/20/13	9/19/23
63089	GEN510	9/20/13	10.4	9/20/13	9/20/23
63090	GEN510	9/20/13	10.4	9/20/13	9/1/23
63028	GEN510	9/20/13	8.2	9/20/13	9/19/23
63376	GEN510	9/20/13	10.2	9/20/13	9/19/23
63069	GEN510	9/23/13	10.4	9/23/13	9/23/23
63755	GEN510	9/23/13	9.3	9/23/13	9/23/23
63005	GEN510	9/23/13	10.0	9/23/13	9/19/23
63017	GEN510	9/23/13	31.6	9/23/13	9/3/23
63630	GEN510	9/24/13	15.4	9/24/13	9/24/23
63104	GEN510	9/24/13	5.2	9/24/13	9/24/23
63104	GEN510	9/24/13	8.0	9/24/13	9/24/23
63334	GEN510	9/24/13	32.2	9/24/13	9/19/23
63026	GEN510	9/24/13	10.3	9/24/13	9/19/23
63126	GEN510	9/24/13	6.9	9/24/13	9/24/23
63114	GEN510	9/25/13	10.8	9/25/13	9/25/23
63135	GEN510	9/25/13	4.7	9/25/13	9/25/23
63033	GEN510	9/25/13	8.0	9/25/13	9/25/23
63740	GEN510	9/25/13	12.6	9/25/13	9/25/23
63143	GEN510	9/25/13	5.2	9/25/13	9/25/23
63143	GEN510	9/25/13	7.1	9/25/13	9/25/23

63034	GEN510	9/25/13	9.4	9/25/13	9/20/23
63366	GEN510	9/26/13	10.6	9/26/13	9/26/23
63304	GEN510	9/26/13	7.6	9/26/13	9/26/23
63701	GEN510	9/26/13	11.0	9/26/13	9/26/23
63025	GEN510	9/27/13	12.1	9/27/13	9/27/23
63385	GEN510	9/29/13	12.1	9/29/13	9/29/23
63366	GEN510	9/30/13	7.7	9/30/13	9/30/23
63077	GEN510	9/30/13	13.6	9/30/13	9/30/23
63084	GEN510	9/30/13	18.5	9/30/13	9/30/23
63077	GEN510	9/30/13	32.2	9/30/13	9/19/23
63501	GEN510	10/1/13	17.9	10/1/13	10/1/23
63501	GEN510	10/1/13	12.6	10/1/13	9/19/23
63052	GEN510	10/1/13	22.8	10/1/13	9/26/23
63052	GEN510	10/1/13	12.4	10/1/13	9/26/23
63016	GEN510	10/1/13	6.7	10/1/13	9/26/23
63664	GEN510	10/2/13	9.9	10/2/13	10/2/23
63025	GEN510	10/3/13	12.1	10/3/13	10/3/23
63146	GEN510	10/3/13	11.7	10/3/13	9/20/23
63048	GEN510	10/3/13	30.9	10/3/13	10/3/23
63084	GEN510	10/7/13	16.1	10/7/13	10/7/23
63043	GEN510	10/7/13	31.5	10/7/13	10/7/23
63146	GEN510	10/7/13	31.5	10/7/13	10/7/23
63107	GEN510	10/7/13	7.6	10/7/13	10/7/23
63043	GEN510	10/7/13	6.4	10/7/13	10/7/23

63011	GEN510	10/7/13	9.3	10/7/13	10/7/23
63129	GEN510	10/7/13	10.6	10/7/13	10/7/23
63129	GEN510	10/7/13	9.7	10/7/13	10/7/23
63021	GEN510	10/7/13	7.7	10/7/13	10/7/23
63108	GEN510	10/7/13	12.4	10/7/13	10/7/23
63089	GEN510	10/7/13	11.6	10/7/13	10/7/23
63090	GEN510	10/7/13	15.7	10/7/13	10/7/23
63144	GEN510	10/7/13	10.7	10/7/13	10/7/23
63043	GEN510	10/7/13	10.6	10/7/13	10/7/23
63028	GEN510	10/7/13	6.3	10/7/13	10/3/23
63043	GEN510	10/7/13	31.9	10/7/13	10/3/23
63021	GEN510	10/7/13	31.6	10/7/13	9/19/23
63129	GEN510	10/7/13	7.4	10/7/13	9/20/23
63128	GEN510	10/7/13	7.1	10/7/13	9/26/23
63108	GEN510	10/7/13	31.6	10/7/13	10/3/23
63069	GEN510	10/7/13	31.4	10/7/13	10/3/23
63303	GEN510	10/7/13	7.7	10/22/13	10/22/23
63845	GEN510	10/8/13	25.2	10/8/13	10/8/23
63376	GEN510	10/8/13	30.9	10/8/13	10/8/23
63110	GEN510	10/8/13	31.5	10/8/13	10/8/23
63110	GEN510	10/8/13	31.5	10/8/13	10/8/23
63049	GEN510	10/8/13	22.3	10/8/13	10/3/23
63049	GEN510	10/8/13	10.2	10/8/13	10/3/23
63049	GEN510	10/8/13	3.1	10/8/13	10/3/23

63110	GEN510	10/9/13	25.2	10/9/13	10/9/23
63043	GEN510	10/9/13	31.5	10/9/13	10/9/23
63050	GEN510	10/9/13	11.5	10/9/13	10/9/23
63050	GEN510	10/9/13	21.3	10/9/13	10/3/23
63366	GEN510	10/10/13	10.6	10/10/13	10/10/23
63110	GEN510	10/10/13	6.6	10/10/13	9/26/23
63040	GEN510	10/11/13	4.9	10/11/13	10/11/23
63005	GEN510	10/11/13	31.5	10/11/13	10/11/23
63025	GEN510	10/11/13	31.5	10/11/13	10/11/23
63332	GEN510	10/11/13	17.7	10/11/13	10/11/23
63111	GEN510	10/11/13	33.5	10/11/13	10/11/23
63021	GEN510	10/11/13	31.6	10/11/13	10/9/23
63132	GEN510	10/11/13	12.6	10/11/13	9/22/23
63025	GEN510	10/11/13	31.4	10/11/13	10/11/23
63116	GEN510	10/11/13	7.0	10/11/13	10/9/23
63033	GEN510	10/12/13	31.3	10/12/13	10/12/23
63017	GEN510	10/14/13	5.8	10/14/13	10/14/23
63090	GEN510	10/14/13	8.4	10/14/13	10/14/23
65109	GEN510	10/14/13	1.9	10/14/13	10/14/23
63640	GEN510	10/14/13	18.2	10/14/13	10/14/23
63038	GEN510	10/14/13	17.4	10/14/13	9/20/23
63012	GEN510	10/14/13	27.7	10/14/13	10/9/23
63640	GEN510	10/14/13	31.3	10/14/13	10/3/23
63640	GEN510	10/14/13	31.6	10/14/13	10/3/23

63116	GEN510	10/14/13	3.3	10/14/13	10/9/23
63052	GEN510	10/15/13	31.2	10/15/13	10/15/23
63366	GEN510	10/15/13	31.0	10/15/13	10/3/23
63028	GEN510	10/15/13	19.4	10/15/13	10/4/23
63740	GEN510	10/16/13	12.6	10/16/13	10/16/23
63334	GEN510	10/16/13	13.0	10/16/13	10/16/23
63701	GEN510	10/16/13	24.4	10/16/13	10/16/23
63334	GEN510	10/16/13	9.0	10/16/13	10/16/23
63135	GEN510	10/16/13	10.0	10/16/13	10/14/23
64465	GEN510	10/16/13	31.0	10/16/13	10/3/23
63051	GEN510	10/17/13	12.4	10/17/13	10/17/23
64465	GEN510	10/17/13	31.4	10/17/13	10/17/23
63055	GEN510	10/17/13	21.3	10/17/13	10/3/23
63025	GEN510	10/17/13	31.2	10/17/13	10/9/23
63701	GEN510	10/17/13	20.2	10/17/13	10/4/23
64465	GEN510	10/17/13	31.4	10/17/13	10/17/23
64465	GEN510	10/17/13	31.4	10/17/13	10/17/23
63055	GEN510	10/18/13	23.8	10/18/13	10/18/23
63090	GEN510	10/18/13	25.6	10/18/13	10/18/23
63379	GEN510	10/18/13	17.7	10/18/13	10/18/23
63090	GEN510	10/18/13	5.1	10/18/13	10/18/23
65039	GEN510	10/18/13	12.5	10/18/13	10/18/23
63084	GEN510	10/18/13	12.9	10/18/13	10/14/23
63069	GEN510	10/22/13	7.7	10/22/13	10/22/23

63090	GEN510	10/22/13	10.6	10/22/13	10/14/23
63089	GEN510	10/23/13	32.2	10/23/13	10/23/23
63141	GEN510	10/23/13	9.4	10/23/13	10/23/23
63104	GEN510	10/23/13	7.9	10/23/13	10/23/23
63128	GEN510	10/23/13	17.4	10/23/13	10/14/23
63129	GEN510	10/23/13	8.4	10/23/13	10/22/23
63111	GEN510	10/23/13	31.9	10/23/13	10/3/23
63755	GEN510	10/25/13	18.5	10/25/13	10/25/23
63110	GEN510	10/25/13	31.5	10/25/13	10/25/23
63016	GEN510	10/25/13	21.3	10/25/13	10/22/23
63146	GEN510	10/28/13	7.7	10/28/13	10/28/23
63348	GEN510	10/28/13	0.9	10/28/13	10/28/23
63366	GEN510	10/28/13	7.7	10/28/13	10/28/23
63366	GEN510	10/28/13	10.9	10/28/13	10/28/23
63334	GEN510	10/29/13	8.5	10/29/13	10/29/23
63755	GEN510	10/29/13	28.2	10/29/13	10/22/23
63304	GEN510	10/29/13	13.9	10/29/13	10/18/23
63021	GEN510	10/29/13	12.9	10/29/13	10/22/23
63021	GEN510	10/29/13	14.8	10/29/13	10/22/23
63701	GEN510	10/29/13	37.9	10/29/13	10/22/23
63301	GEN510	10/30/13	9.6	10/30/13	10/30/23
63050	GEN510	10/30/13	14.2	10/30/13	10/30/23
63010	GEN510	10/31/13	9.7	10/31/13	10/31/23
63090	GEN510	10/31/13	17.7	10/31/13	10/31/23



63089	GEN510	10/31/13	14.8	10/31/13	10/31/23
63089	GEN510	10/31/13	27.0	10/31/13	10/31/23
63130	GEN510	10/31/13	6.1	10/31/13	10/31/23
63089	GEN510	10/31/13	18.0	10/31/13	10/31/23
63050	GEN510	10/31/13	7.7	10/31/13	10/28/23
63630	GEN510	11/1/13	16.7	11/1/13	11/1/23
63038	GEN510	11/1/13	18.9	11/1/13	11/1/23
63366	GEN510	11/1/13	10.2	11/1/13	11/1/23
63005	GEN510	11/1/13	15.4	11/1/13	11/1/23
63119	GEN510	11/1/13	32.8	11/1/13	11/1/23
63072	GEN510	11/1/13	31.4	11/1/13	10/28/23
63304	GEN510	11/4/13	18.3	11/4/13	11/4/23
63124	GEN510	11/4/13	31.5	11/4/13	11/4/23
63134	GEN510	11/4/13	31.4	11/4/13	10/28/23
63114	GEN510	11/4/13	9.0	11/4/13	10/22/23
63304	GEN510	11/5/13	12.5	11/5/13	11/5/23
63068	GEN510	11/6/13	12.4	11/6/13	10/14/23
65010	GEN510	11/6/13	13.9	11/6/13	10/28/23
63301	GEN510	11/7/13	8.4	11/7/13	11/7/23
63379	GEN510	11/7/13	15.8	11/7/13	11/7/23
63379	GEN510	11/7/13	11.0	11/7/13	11/7/23
63050	GEN510	11/7/13	4.4	11/7/13	11/7/23
63740	GEN510	11/7/13	11.0	11/7/13	11/7/23
63368	GEN510	11/8/13	9.7	11/8/13	11/8/23

63376	GEN510	11/8/13	6.8	11/8/13	11/8/23
63348	GEN510	11/8/13	11.1	11/8/13	11/8/23
63348	GEN510	11/8/13	3.1	11/8/13	11/8/23
63379	GEN510	11/8/13	7.7	11/8/13	11/8/23
63366	GEN510	11/8/13	12.3	11/8/13	11/8/23
63701	GEN510	11/8/13	11.2	11/8/13	11/8/23
63701	GEN510	11/8/13	5.6	11/8/13	11/8/23
63303	GEN510	11/8/13	20.1	11/8/13	11/7/23
63755	GEN510	11/8/13	31.3	11/8/13	11/4/23
63755	GEN510	11/8/13	5.1	11/8/13	11/4/23
65049	GEN510	11/12/13	21.2	11/12/13	11/12/23
65049	GEN510	11/12/13	23.8	11/12/13	11/12/23
63028	GEN510	11/12/13	10.8	11/12/13	11/12/23
65049	GEN510	11/12/13	32.8	11/12/13	11/12/23
65049	GEN510	11/12/13	32.8	11/12/13	11/12/23
63025	GEN510	11/12/13	31.4	11/12/13	11/7/23
63051	GEN510	11/12/13	25.8	11/12/13	11/7/23
63050	GEN510	11/12/13	31.6	11/12/13	11/7/23
63368	GEN510	11/12/13	9.7	11/14/14	11/14/24
64024	GEN510	11/13/13	24.3	11/13/13	11/13/23
64024	GEN510	11/13/13	28.5	11/13/13	11/13/23
63020	GEN510	11/13/13	19.3	11/13/13	11/13/23
64024	GEN510	11/13/13	13.0	11/13/13	11/13/23
63143	GEN510	11/13/13	31.5	11/13/13	11/13/23

64024	GEN510	11/13/13	31.5	11/13/13	11/13/23
63028	GEN510	11/13/13	20.3	11/13/13	11/13/23
64024	GEN510	11/13/13	8.2	11/13/13	11/13/23
64024	GEN510	11/13/13	25.3	11/13/13	10/28/23
64024	GEN510	11/13/13	25.3	11/13/13	10/28/23
63376	GEN510	11/14/13	17.0	11/14/13	11/14/23
63069	GEN510	11/14/13	24.8	11/14/13	11/14/23
63090	GEN510	11/15/13	8.4	11/15/13	11/15/23
63014	GEN510	11/15/13	15.1	11/15/13	11/15/23
63090	GEN510	11/15/13	20.9	11/15/13	11/15/23
63055	GEN510	11/15/13	23.8	11/15/13	11/15/23
63090	GEN510	11/15/13	31.5	11/15/13	11/15/23
63021	GEN510	11/15/13	31.4	11/15/13	11/15/23
63373	GEN510	11/15/13	14.6	11/15/13	10/28/23
63146	GEN510	11/18/13	12.2	11/18/13	11/18/23
63040	GEN510	11/18/13	7.7	11/18/13	11/18/23
63132	GEN510	11/18/13	31.6	11/18/13	10/22/23
63021	GEN510	11/18/13	9.4	11/18/13	11/4/23
63334	GEN510	11/19/13	8.5	11/19/13	11/19/23
63025	GEN510	11/19/13	15.5	11/19/13	11/4/23
63640	GEN510	11/20/13	28.5	11/20/13	11/7/23
63034	GEN510	11/20/13	9.0	11/20/13	11/4/23
63640	GEN510	11/20/13	13.9	11/20/13	11/4/23
65039	GEN510	11/21/13	17.4	11/21/13	11/21/23

63089	GEN510	11/21/13	10.6	11/21/13	11/7/23
63077	GEN510	11/21/13	18.8	11/21/13	10/28/23
63089	GEN510	11/21/13	16.1	12/19/13	12/19/23
63051	GEN510	11/22/13	32.1	11/22/13	11/22/23
63051	GEN510	11/22/13	19.5	11/22/13	11/22/23
63303	GEN510	11/22/13	12.6	11/22/13	11/22/23
65270	GEN510	11/22/13	20.2	11/22/13	11/22/23
63012	GEN510	11/22/13	31.5	11/22/13	11/22/23
63049	GEN510	11/22/13	31.2	11/22/13	11/19/23
63501	GEN510	11/25/13	14.5	11/25/13	11/25/23
63143	GEN510	11/25/13	4.4	11/25/13	11/25/23
63119	GEN510	11/25/13	8.8	11/25/13	11/25/23
63110	GEN510	11/25/13	6.4	11/25/13	11/25/23
63106	GEN510	11/25/13	25.3	11/25/13	11/19/23
63118	GEN510	11/25/13	31.6	11/25/13	11/7/23
63132	GEN510	11/26/13	12.1	11/26/13	11/26/23
63005	GEN510	11/26/13	31.6	11/26/13	11/19/23
63304	GEN510	11/26/13	12.4	11/26/13	10/18/23
63005	GEN510	11/26/13	31.6	11/26/13	11/19/23
63123	GEN510	11/26/13	5.8	11/26/13	11/22/23
63052	GEN510	11/27/13	31.2	11/27/13	11/27/23
63010	GEN510	11/27/13	31.2	11/27/13	11/27/23
63012- 2376	GEN510	11/27/13	7.3	11/27/13	11/22/23
63069	GEN510	11/27/13	29.1	11/27/13	11/4/23

63114	GEN510	11/29/13	6.4	11/29/13	11/29/23
63055	GEN510	11/29/13	19.3	11/29/13	11/29/23
63090	GEN510	11/29/13	9.2	11/29/13	11/29/23
63089	GEN510	11/29/13	17.7	11/29/13	11/29/23
63069	GEN510	11/29/13	32.3	11/29/13	11/19/23
63060	GEN510	11/29/13	25.8	11/29/13	11/19/23
63026	GEN510	12/2/13	9.5	12/2/13	12/2/23
63028	GEN510	12/3/13	11.4	12/3/13	12/3/23
63028	GEN510	12/3/13	4.4	12/3/13	12/3/23
63125	GEN510	12/3/13	31.5	12/3/13	12/3/23
63123	GEN510	12/3/13	6.3	12/3/13	12/3/23
63049	GEN510	12/3/13	31.6	12/3/13	12/2/23
63376	GEN510	12/3/13	12.4	12/3/13	12/2/23
63028	GEN510	12/3/13	12.6	12/3/13	12/2/23
63304	GEN510	12/3/13	10.8	12/3/13	12/3/23
63021	GEN510	12/3/13	9.7	12/3/13	12/2/23
63021	GEN510	12/3/13	9.7	12/3/13	12/2/23
63701	GEN510	12/4/13	12.6	12/4/13	12/4/23
63021	GEN510	12/4/13	31.5	12/4/13	12/4/23
63701	GEN510	12/4/13	16.0	12/4/13	12/4/23
63103	GEN510	12/4/13	31.5	12/4/13	12/4/23
63089	GEN510	12/4/13	14.2	12/4/13	12/4/23
63130	GEN510	12/4/13	12.5	12/4/13	12/4/23
63069	GEN510	12/4/13	31.9	12/4/13	12/4/23

63640	GEN510	12/4/13	13.3	12/4/13	12/2/23
63601	GEN510	12/4/13	15.2	12/4/13	12/2/23
63136	GEN510	12/4/13	31.6	12/4/13	12/2/23
63130	GEN510	12/4/13	5.6	12/4/13	12/2/23
63303	GEN510	12/5/13	13.3	12/5/13	12/5/23
63141	GEN510	12/5/13	18.7	12/5/13	12/5/23
63084	GEN510	12/5/13	12.5	12/5/13	12/5/23
63834	GEN510	12/5/13	30.7	12/5/13	12/5/23
63089	GEN510	12/5/13	31.5	12/5/13	12/5/23
63089	GEN510	12/5/13	6.4	12/5/13	12/5/23
63089	GEN510	12/5/13	2.9	12/5/13	12/5/23
63089	GEN510	12/5/13	23.2	12/5/13	12/5/23
63089	GEN510	12/5/13	2.3	12/5/13	12/5/23
63089	GEN510	12/5/13	19.3	12/5/13	12/5/23
63089	GEN510	12/5/13	31.5	12/5/13	12/5/23
63105	GEN510	12/5/13	31.5	12/5/13	12/5/23
63143	GEN510	12/5/13	10.0	12/5/13	12/5/23
63303	GEN510	12/5/13	14.3	12/5/13	12/2/23
63303	GEN510	12/5/13	11.8	12/5/13	12/2/23
63144	GEN510	12/5/13	31.6	12/5/13	12/2/23
63105	GEN510	12/5/13	31.5	12/12/13	12/12/23
63376	GEN510	12/6/13	26.0	12/6/13	12/6/23
63135	GEN510	12/6/13	7.5	12/6/13	12/6/23
63130	GEN510	12/6/13	2.5	12/6/13	12/6/23

63376	GEN510	12/6/13	10.1	12/6/13	12/6/23
63376	GEN510	12/6/13	7.1	12/6/13	12/6/23
63376	GEN510	12/6/13	11.9	12/6/13	11/22/23
63301	GEN510	12/6/13	14.8	12/6/13	12/2/23
63052	GEN510	12/9/13	4.7	12/9/13	12/9/23
63376	GEN510	12/9/13	12.1	12/9/13	12/9/23
63379	GEN510	12/9/13	11.6	12/9/13	12/9/23
63020	GEN510	12/9/13	13.9	12/9/13	12/9/23
63049	GEN510	12/9/13	12.5	12/9/13	12/9/23
63385	GEN510	12/9/13	9.0	12/9/13	11/22/23
63366	GEN510	12/10/13	10.6	12/10/13	12/10/23
65101	GEN510	12/10/13	7.9	12/10/13	12/10/23
63049	GEN510	12/10/13	13.4	12/10/13	12/10/23
65072	GEN510	12/10/13	5.8	12/10/13	12/10/23
65101	GEN510	12/10/13	11.6	12/10/13	12/10/23
63089	GEN510	12/10/13	27.3	12/10/13	12/10/23
63020	GEN510	12/10/13	8.7	12/10/13	12/2/23
63050	GEN510	12/10/13	10.5	12/10/13	12/2/23
63701	GEN510	12/11/13	8.5	12/11/13	12/11/23
63701	GEN510	12/11/13	7.3	12/11/13	12/11/23
63129	GEN510	12/11/13	12.6	12/11/13	12/11/23
63628	GEN510	12/11/13	4.9	12/11/13	12/11/23
63357	GEN510	12/11/13	38.2	12/11/13	12/2/23
63139	GEN510	12/11/13	5.5	12/11/13	12/2/23

63051	GEN510	12/12/13	17.4	12/12/13	12/12/23
65262	GEN510	12/12/13	31.6	12/12/13	12/2/23
65262	GEN510	12/12/13	31.6	12/12/13	12/2/23
63023	GEN510	12/13/13	11.7	12/13/13	12/13/23
63052	GEN510	12/13/13	10.7	12/13/13	12/13/23
65101	GEN510	12/13/13	32.1	12/13/13	12/2/23
63069	GEN510	12/13/13	12.6	12/13/13	11/4/23
63304	GEN510	12/13/13	8.7	12/13/13	12/2/23
63084	GEN510	12/13/13	14.2	12/13/13	12/13/23
63044	GEN510	12/13/13	9.3	12/13/13	12/2/23
63023	GEN510	12/13/13	12.1	12/2/14	12/2/24
63141	GEN510	12/14/13	9.0	12/14/13	12/14/23
63045	GEN510	12/15/13	31.8	12/15/13	12/15/23
63376	GEN510	12/16/13	9.8	12/16/13	12/16/23
63025	GEN510	12/16/13	13.6	12/16/13	12/16/23
63010	GEN510	12/16/13	8.4	12/16/13	12/16/23
63025	GEN510	12/16/13	6.9	12/16/13	12/16/23
63376	GEN510	12/16/13	18.5	12/16/13	12/16/23
63026	GEN510	12/16/13	9.0	12/16/13	12/16/23
63303	GEN510	12/16/13	14.2	12/16/13	12/16/23
63011	GEN510	12/17/13	8.8	12/17/13	12/17/23
63143	GEN510	12/17/13	28.4	12/17/13	12/17/23
63303	GEN510	12/17/13	8.9	12/17/13	12/17/23
63368	GEN510	12/17/13	18.3	12/17/13	12/17/23



63011	GEN510	12/17/13	9.7	12/17/13	12/5/23
63366	GEN510	12/17/13	8.7	12/17/13	12/5/23
63379	GEN510	12/17/13	7.7	12/17/13	12/12/23
63366	GEN510	12/17/13	12.7	12/17/13	12/2/23
63640	GEN510	12/18/13	31.5	12/18/13	12/18/23
64060	GEN510	12/18/13	8.9	12/18/13	12/18/23
64060	GEN510	12/18/13	16.3	12/18/13	12/18/23
63304	GEN510	12/18/13	8.5	12/18/13	12/18/23
63304	GEN510	12/18/13	7.7	12/18/13	12/18/23
63383	GEN510	12/18/13	7.4	12/18/13	12/12/23
63104	GEN510	12/19/13	32.0	12/19/13	12/19/23
65026	GEN510	12/19/13	24.5	12/19/13	12/19/23
65274	GEN510	12/19/13	1.9	12/19/13	12/19/23
63005	GEN510	12/19/13	31.8	12/19/13	12/19/23
63011	GEN510	12/19/13	10.2	12/19/13	12/2/23
63376	GEN510	12/20/13	6.0	12/20/13	12/20/23
63301	GEN510	12/20/13	17.3	12/20/13	12/20/23
63303	GEN510	12/20/13	10.1	12/20/13	12/20/23
63050	GEN510	12/20/13	18.1	12/20/13	12/19/23
63841	GEN510	12/23/13	12.6	12/23/13	12/23/23
63628	GEN510	12/23/13	11.9	12/23/13	12/23/23
65270	GEN510	12/23/13	11.3	12/23/13	12/23/23
63780	GEN510	12/23/13	2.5	12/23/13	12/23/23
63127	GEN510	12/26/13	11.2	12/26/13	12/26/23

63143	GEN510	12/26/13	31.5	12/26/13	12/26/23
63366	GEN510	12/26/13	13.6	12/26/13	12/26/23
63366	GEN510	12/26/13	32.2	12/26/13	12/26/23
63026	GEN510	12/26/13	11.7	12/26/13	12/26/23
63127	GEN510	12/26/13	15.1	12/26/13	12/19/23
63089	GEN510	12/27/13	31.5	12/27/13	12/27/23
63013	GEN510	12/27/13	12.2	12/27/13	12/27/23
63055	GEN510	12/27/13	8.4	12/27/13	12/27/23
63089	GEN510	12/27/13	31.5	12/27/13	12/27/23
63055	GEN510	12/27/13	12.5	12/27/13	12/27/23
63042	GEN510	12/27/13	13.2	12/27/13	12/27/23
63069	GEN510	12/27/13	32.2	12/27/13	12/27/23
65265	GEN510	12/27/13	46.1	12/27/13	10/28/23
65051	GEN510	12/30/13	9.5	12/30/13	12/30/23
63089	GEN510	12/30/13	5.6	12/30/13	12/30/23
63068	GEN510	12/30/13	10.0	12/30/13	12/30/23
63131	GEN510	12/30/13	17.0	12/30/13	12/30/23
63068	GEN510	12/30/13	20.5	12/30/13	12/30/23
65109	GEN510	12/31/13	12.3	12/31/13	12/31/23
65101	GEN510	12/31/13	3.8	12/31/13	12/31/23
63366	GEN510	12/31/13	4.5	12/31/13	12/31/23
63125	GEN510	12/31/13	12.9	12/31/13	12/31/23
63303	GEN510	1/9/14	6.2	1/9/14	1/9/24
63303	GEN510	1/13/14	5.5	1/13/14	1/13/24

63005	GEN510	1/23/14	48.6	1/23/14	1/23/24
63137	GEN1119	2/14/13	8.3	2/14/14	2/14/24
63335	GEN1119	3/4/13	7.3	3/4/14	3/4/24
63740	GEN1119	4/8/13	1.7	7/24/14	7/24/24
65032	GEN1119	7/1/13	6.7	3/1/14	3/1/24
63005	GEN1119	7/9/13	9.7	6/18/14	6/18/24
63146	GEN1119	8/1/13	10.3	8/1/13	10/1/22
63624	GEN1119	9/23/13	0.6	9/23/13	9/23/23
63084	GEN1119	10/11/13	14.2	10/11/13	9/3/23
63376	GEN1119	10/18/13	9.0	10/18/13	10/18/23
63130	GEN1119	12/4/13	7.6	12/4/13	12/4/23
63122	GEN1119	12/4/13	31.6	12/4/13	11/22/23
63089	GEN1119	12/5/13	31.5	12/5/13	12/5/23
63089	GEN1119	12/5/13	6.4	12/5/13	12/5/23
63020	GEN1119	12/13/13	8.8	12/13/13	12/13/23
64469	GEN1119	12/17/13	9.5	12/17/13	12/2/23
63116	GEN1119	12/19/13	5.1	12/19/13	12/19/23
63139	GEN1119	12/19/13	12.6	12/19/13	12/19/23
63045	GEN1119	12/20/13	32.2	12/20/13	12/20/23
63125	GEN1119	12/31/13	12.9	12/31/13	12/31/23
63021	GEN1119	1/3/14	10.1	1/3/14	1/3/24
63025	GEN1119	1/3/14	33.4	1/3/14	12/12/23
63049	GEN1119	1/3/14	13.4	1/3/14	1/3/24
63038	GEN1119	1/3/14	10.7	1/3/14	1/3/24

63025	GEN1119	1/3/14	6.1	1/3/14	1/3/24
63366	GEN1119	1/3/14	5.2	1/3/14	1/3/24
63366	GEN1119	1/3/14	34.4	1/3/14	1/3/24
63021	GEN1119	1/3/14	10.0	1/3/14	1/3/24
63132	GEN1119	1/3/14	4.9	1/3/14	1/3/24
63376	GEN1119	1/3/14	7.7	1/3/14	12/19/23
63069	GEN1119	1/3/14	12.5	1/3/14	12/19/23
63011	GEN1119	1/3/14	7.1	1/3/14	12/19/23
63701	GEN1119	1/3/14	22.1	1/3/14	12/12/23
63141	GEN1119	1/6/14	34.0	1/6/14	1/6/24
63044	GEN1119	1/6/14	34.0	1/6/14	1/6/24
63005	GEN1119	1/7/14	6.8	1/7/14	1/7/24
63010	GEN1119	1/7/14	33.4	1/7/14	1/7/24
63069	GEN1119	1/7/14	15.1	1/7/14	12/19/23
63050	GEN1119	1/8/14	21.0	1/8/14	1/8/24
63368	GEN1119	1/8/14	30.7	1/8/14	12/19/23
63117	GEN1119	1/9/14	6.9	1/9/14	1/9/24
63376	GEN1119	1/9/14	15.1	1/9/14	1/9/24
63366	GEN1119	1/10/14	13.4	1/10/14	1/10/24
63304	GEN1119	1/10/14	40.1	1/10/14	1/10/24
63025	GEN1119	1/10/14	17.4	1/10/14	1/9/24
63010	GEN1119	1/13/14	33.3	1/13/14	1/13/24
63376	GEN1119	1/13/14	11.0	1/13/14	1/13/24
63116	GEN1119	1/13/14	7.9	1/13/14	1/13/24

65026	GEN1119	1/13/14	31.7	1/13/14	1/13/24
63376	GEN1119	1/13/14	7.1	1/13/14	1/13/24
63385	GEN1119	1/13/14	8.1	1/13/14	1/9/24
63381	GEN1119	1/13/14	16.4	1/13/14	1/10/24
65026	GEN1119	1/13/14	9.9	1/13/14	12/19/23
63049	GEN1119	1/13/14	37.9	1/13/14	12/2/23
63052	GEN1119	1/14/14	33.3	1/14/14	1/14/24
63366	GEN1119	1/14/14	34.0	1/14/14	1/14/24
63103	GEN1119	1/14/14	34.0	1/14/14	1/14/24
63103	GEN1119	1/14/14	18.4	1/14/14	1/14/24
63103	GEN1119	1/14/14	15.6	1/14/14	1/14/24
63339	GEN1119	1/14/14	7.3	1/14/14	1/14/24
63373	GEN1119	1/14/14	8.7	1/14/14	1/14/24
63016	GEN1119	1/14/14	10.5	1/14/14	1/14/24
63111	GEN1119	1/14/14	67.1	1/14/14	1/14/24
63090	GEN1119	1/15/14	13.2	1/15/14	1/15/24
63084	GEN1119	1/15/14	10.3	1/15/14	1/15/24
63052	GEN1119	1/15/14	12.6	1/15/14	1/15/24
63111	GEN1119	1/15/14	134.2	1/15/14	1/15/24
64469	GEN1119	1/15/14	7.6	1/15/14	12/19/23
64474	GEN1119	1/15/14	10.8	1/15/14	12/19/23
63050	GEN1119	1/15/14	14.9	1/15/14	1/10/24
63141	GEN1119	1/16/14	6.9	1/16/14	1/16/24
63501	GEN1119	1/16/14	25.8	1/16/14	1/16/24

63010	GEN1119	1/16/14	16.4	1/16/14	1/16/24
63361	GEN1119	1/17/14	10.1	1/17/14	1/17/24
63361	GEN1119	1/17/14	11.5	1/17/14	1/17/24
63384	GEN1119	1/17/14	8.1	1/17/14	1/17/24
63051	GEN1119	1/17/14	18.9	1/17/14	1/17/24
63051	GEN1119	1/17/14	7.6	1/17/14	1/17/24
63015	GEN1119	1/17/14	18.1	1/17/14	1/9/24
63084	GEN1119	1/17/14	22.8	1/17/14	1/9/24
63736	GEN1119	1/21/14	18.2	1/21/14	1/21/24
63084	GEN1119	1/21/14	32.3	1/21/14	1/21/24
65274	GEN1119	1/22/14	10.9	1/22/14	1/22/24
63334	GEN1119	1/22/14	12.8	1/22/14	1/22/24
63021	GEN1119	1/22/14	13.5	1/22/14	1/22/24
63104	GEN1119	1/22/14	11.0	1/22/14	1/22/24
63005	GEN1119	1/22/14	25.1	1/22/14	1/22/24
63116	GEN1119	1/22/14	7.8	1/22/14	1/22/24
63110	GEN1119	1/22/14	32.4	1/22/14	1/22/24
63110	GEN1119	1/22/14	32.4	1/22/14	1/22/24
63147	GEN1119	1/22/14	35.0	1/22/14	1/22/24
63020	GEN1119	1/22/14	13.4	1/22/14	1/22/24
63147	GEN1119	1/22/14	9.1	9/9/14	9/9/24
63028	GEN1119	1/23/14	12.6	1/23/14	1/23/24
63118	GEN1119	1/23/14	7.6	1/23/14	1/23/24
63701	GEN1119	1/23/14	11.9	1/23/14	1/23/24

63701	GEN1119	1/23/14	8.4	1/23/14	1/23/24
63048	GEN1119	1/23/14	31.6	1/23/14	1/23/24
63048	GEN1119	1/23/14	31.6	1/23/14	1/23/24
63048	GEN1119	1/23/14	31.6	1/23/14	1/23/24
63301	GEN1119	1/23/14	3.8	1/23/14	1/14/24
65274	GEN1119	1/24/14	20.4	1/24/14	1/24/24
63010	GEN1119	1/24/14	20.2	1/24/14	1/24/24
63703	GEN1119	1/24/14	16.9	1/24/14	1/24/24
63052	GEN1119	1/24/14	13.2	1/24/14	1/24/24
63136	GEN1119	1/27/14	33.3	1/27/14	1/27/24
63121	GEN1119	1/27/14	34.6	1/27/14	1/27/24
63301	GEN1119	1/27/14	9.6	1/27/14	1/27/24
63366	GEN1119	1/27/14	12.0	1/27/14	1/27/24
63146	GEN1119	1/27/14	31.6	1/27/14	1/27/24
63028	GEN1119	1/27/14	13.5	1/27/14	1/27/24
63104	GEN1119	1/27/14	13.4	1/27/14	1/27/24
63104	GEN1119	1/27/14	13.5	1/27/14	1/27/24
63104	GEN1119	1/27/14	13.5	1/27/14	1/27/24
63104	GEN1119	1/27/14	13.4	1/27/14	1/27/24
63104	GEN1119	1/27/14	13.4	1/27/14	1/27/24
65109	GEN1119	1/27/14	4.0	1/27/14	1/27/24
63119	GEN1119	1/27/14	5.3	1/27/14	1/27/24
63110	GEN1119	1/27/14	9.3	1/27/14	1/27/24
63385	GEN1119	1/27/14	13.1	1/27/14	1/27/24

63383	GEN1119	1/27/14	5.4	1/27/14	1/27/24
63109	GEN1119	1/27/14	7.6	1/27/14	1/27/24
63301	GEN1119	1/27/14	26.3	1/27/14	1/27/24
63119	GEN1119	1/27/14	8.4	1/27/14	1/27/24
63117	GEN1119	1/27/14	27.5	1/27/14	1/27/24
63376	GEN1119	1/27/14	12.7	1/27/14	1/27/24
63105	GEN1119	1/27/14	31.6	1/27/14	1/15/24
63105	GEN1119	1/27/14	31.6	1/28/14	1/28/24
63050	GEN1119	1/28/14	21.2	1/28/14	1/28/24
63366	GEN1119	1/28/14	35.1	1/28/14	1/28/24
63376	GEN1119	1/28/14	10.1	1/28/14	1/28/24
63501	GEN1119	1/28/14	20.9	1/28/14	1/28/24
63501	GEN1119	1/28/14	8.8	1/28/14	1/28/24
63501	GEN1119	1/28/14	19.0	1/28/14	12/2/23
63043	GEN1119	1/29/14	8.3	1/29/14	1/29/24
63146	GEN1119	1/29/14	11.4	1/29/14	1/29/24
63020	GEN1119	1/29/14	10.8	1/29/14	1/29/24
63043	GEN1119	1/29/14	12.4	1/29/14	1/29/24
63701	GEN1119	1/29/14	11.8	1/29/14	1/29/24
63016	GEN1119	1/29/14	13.1	1/29/14	1/29/24
63141	GEN1119	1/29/14	31.6	1/29/14	1/23/24
63043	GEN1119	1/29/14	6.5	1/29/14	1/23/24
63132	GEN1119	1/29/14	6.5	1/29/14	1/28/24
65041	GEN1119	1/30/14	11.6	1/30/14	1/30/24



63376	GEN1119	1/30/14	15.2	1/30/14	1/30/24
63343	GEN1119	1/30/14	13.2	1/30/14	1/30/24
63376	GEN1119	1/30/14	10.7	1/30/14	1/30/24
63068	GEN1119	1/30/14	24.1	1/30/14	1/30/24
63304	GEN1119	1/30/14	11.1	1/30/14	1/30/24
63049	GEN1119	1/31/14	22.7	1/31/14	1/31/24
63026	GEN1119	1/31/14	6.7	1/31/14	1/31/24
63339	GEN1119	1/31/14	10.8	1/31/14	1/31/24
63379	GEN1119	1/31/14	7.4	1/31/14	1/31/24
63126	GEN1119	2/3/14	11.0	2/3/14	2/3/24
63028	GEN1119	2/3/14	20.0	2/3/14	2/3/24
63127	GEN1119	2/3/14	11.7	2/3/14	2/3/24
63104	GEN1119	2/3/14	6.1	2/3/14	2/3/24
63128	GEN1119	2/3/14	20.2	2/3/14	2/3/24
63116	GEN1119	2/3/14	16.5	2/3/14	2/3/24
63026	GEN1119	2/3/14	21.0	2/3/14	2/3/24
63028	GEN1119	2/3/14	31.6	2/3/14	1/27/24
63119	GEN1119	2/3/14	7.7	2/3/14	1/23/24
63139	GEN1119	2/3/14	29.4	2/3/14	1/27/24
63028	GEN1119	2/4/14	15.5	2/4/14	2/4/24
63640	GEN1119	2/4/14	20.6	2/4/14	2/4/24
63050	GEN1119	2/4/14	23.4	2/4/14	2/4/24
63129	GEN1119	2/4/14	20.0	2/4/14	2/4/24
63640	GEN1119	2/4/14	4.7	2/4/14	2/4/24

63129	GEN1119	2/4/14	12.4	2/4/14	1/9/24
63026	GEN1119	2/7/14	10.7	2/7/14	2/7/24
63119	GEN1119	2/7/14	7.0	2/7/14	2/7/24
63126	GEN1119	2/7/14	5.4	2/7/14	2/7/24
63011	GEN1119	2/7/14	33.8	2/7/14	2/7/24
63026	GEN1119	2/7/14	22.9	2/7/14	2/7/24
63118	GEN1119	2/7/14	8.9	2/7/14	2/7/24
63011	GEN1119	2/7/14	9.4	2/7/14	2/7/24
63109	GEN1119	2/7/14	5.2	2/7/14	2/7/24
63129	GEN1119	2/7/14	33.3	2/7/14	2/7/24
63119	GEN1119	2/7/14	35.4	2/7/14	2/7/24
63119	GEN1119	2/7/14	9.5	2/7/14	2/7/24
63123	GEN1119	2/7/14	8.9	2/7/14	2/7/24
63011	GEN1119	2/8/14	13.1	2/8/14	2/8/24
63036	GEN1119	2/8/14	9.5	2/8/14	1/16/24
63304	GEN1119	2/10/14	8.9	2/10/14	2/10/24
63128	GEN1119	2/10/14	14.7	2/10/14	2/10/24
63376	GEN1119	2/10/14	15.5	2/10/14	2/10/24
63141	GEN1119	2/10/14	9.6	2/10/14	2/10/24
63701	GEN1119	2/10/14	10.1	2/10/14	2/10/24
63028	GEN1119	2/10/14	11.0	2/10/14	2/10/24
63303	GEN1119	2/10/14	10.1	2/10/14	2/10/24
63127	GEN1119	2/10/14	33.3	2/10/14	2/10/24
63377	GEN1119	2/10/14	10.5	2/10/14	2/10/24

63141	GEN1119	2/10/14	10.2	2/10/14	2/10/24
63123	GEN1119	2/10/14	8.1	2/10/14	2/10/24
63105	GEN1119	2/10/14	31.6	2/10/14	2/10/24
63052	GEN1119	2/10/14	22.3	2/10/14	2/10/24
63362	GEN1119	2/11/14	8.9	2/11/14	2/11/24
63376	GEN1119	2/11/14	9.3	2/11/14	2/11/24
63644	GEN1119	2/11/14	10.1	2/11/14	2/11/24
65109	GEN1119	2/11/14	12.6	2/11/14	2/11/24
63303	GEN1119	2/11/14	9.6	2/11/14	2/11/24
63385	GEN1119	2/11/14	28.5	2/11/14	2/11/24
63368	GEN1119	2/11/14	9.6	2/11/14	2/11/24
63069	GEN1119	2/11/14	12.9	2/11/14	1/27/24
63090	GEN1119	2/12/14	11.0	2/12/14	2/12/24
63348	GEN1119	2/12/14	4.6	2/12/14	2/12/24
63055	GEN1119	2/12/14	11.0	2/12/14	2/12/24
65233	GEN1119	2/12/14	8.9	2/12/14	2/12/24
63090	GEN1119	2/12/14	13.2	2/12/14	2/12/24
63069	GEN1119	2/12/14	7.7	2/12/14	2/12/24
63084	GEN1119	2/13/14	33.3	2/13/14	2/13/24
63366	GEN1119	2/13/14	9.4	2/13/14	2/13/24
63501	GEN1119	2/13/14	6.7	2/13/14	2/13/24
63045	GEN1119	2/13/14	34.4	2/13/14	2/13/24
63090	GEN1119	2/13/14	7.9	2/13/14	2/13/24
65109	GEN1119	2/13/14	13.1	2/13/14	2/13/24

63701	GEN1119	2/13/14	22.9	2/13/14	2/13/24
63701	GEN1119	2/13/14	31.6	2/13/14	2/4/24
63141	GEN1119	2/14/14	12.7	2/14/14	2/14/24
63146	GEN1119	2/14/14	4.5	2/14/14	2/14/24
63049	GEN1119	2/14/14	16.5	2/14/14	2/14/24
63026	GEN1119	2/14/14	33.6	2/14/14	2/14/24
63146	GEN1119	2/14/14	5.4	2/14/14	2/14/24
63104	GEN1119	2/14/14	10.3	2/14/14	2/14/24
63146	GEN1119	2/14/14	8.9	2/14/14	2/14/24
63114	GEN1119	2/14/14	8.9	2/14/14	2/14/24
63368	GEN1119	2/14/14	17.2	2/14/14	2/14/24
63104	GEN1119	2/14/14	11.0	2/14/14	2/14/24
63147	GEN1119	2/14/14	33.3	2/14/14	2/14/24
63123	GEN1119	2/14/14	8.3	2/14/14	2/14/24
63366	GEN1119	2/14/14	7.6	2/14/14	2/14/24
63121	GEN1119	2/14/14	6.6	2/14/14	2/14/24
63021	GEN1119	2/14/14	5.8	2/14/14	2/14/24
63105	GEN1119	2/14/14	18.1	2/14/14	1/28/24
65065	GEN1119	2/18/14	34.0	2/18/14	2/18/24
63376	GEN1119	2/18/14	10.5	2/18/14	2/18/24
65065	GEN1119	2/18/14	34.0	2/18/14	2/18/24
65065	GEN1119	2/18/14	34.0	2/18/14	2/18/24
63116	GEN1119	2/18/14	86.9	2/18/14	1/16/24
63128	GEN1119	2/19/14	10.0	2/19/14	2/19/24

63110	GEN1119	2/19/14	34.0	2/19/14	2/19/24
63104	GEN1119	2/19/14	21.2	2/19/14	2/19/24
63303	GEN1119	2/19/14	10.1	2/19/14	2/19/24
63628	GEN1119	2/19/14	33.7	2/19/14	2/19/24
63110	GEN1119	2/19/14	21.4	2/19/14	2/19/24
63026	GEN1119	2/19/14	11.0	2/19/14	2/19/24
63132	GEN1119	2/19/14	9.0	2/19/14	2/19/24
63026	GEN1119	2/19/14	31.6	2/19/14	1/15/24
63368	GEN1119	2/20/14	33.3	2/20/14	2/20/24
63368	GEN1119	2/21/14	16.5	2/21/14	2/21/24
63368	GEN1119	2/21/14	33.3	2/21/14	2/21/24
63069	GEN1119	2/21/14	33.2	2/21/14	2/21/24
63043	GEN1119	2/22/14	33.3	2/22/14	2/22/24
63385	GEN1119	2/24/14	10.3	2/24/14	2/24/24
63068	GEN1119	2/25/14	9.6	2/25/14	2/25/24
63090	GEN1119	2/26/14	33.7	2/26/14	2/26/24
63303	GEN1119	2/27/14	16.2	2/27/14	2/27/24
63334	GEN1119	2/27/14	7.3	2/27/14	2/27/24
63051	GEN1119	2/27/14	8.9	2/27/14	2/27/24
63045	GEN1119	2/27/14	32.1	2/27/14	2/21/24
63044	GEN1119	2/27/14	31.6	2/27/14	1/22/24
63107	GEN1119	2/27/14	7.6	2/27/14	2/27/24
63368	GEN1119	2/28/14	20.2	2/28/14	2/28/24
63385	GEN1119	2/28/14	33.7	2/28/14	2/28/24

63084	GEN1119	2/28/14	67.5	2/28/14	2/28/24
63084	GEN1119	2/28/14	33.3	2/28/14	2/28/24
63089	GEN1119	2/28/14	14.8	2/28/14	2/28/24
63090	GEN1119	2/28/14	8.6	2/28/14	2/28/24
63376	GEN1119	2/28/14	11.4	2/28/14	2/28/24
63131	GEN1119	3/3/14	13.1	3/3/14	3/3/24
63117	GEN1119	3/3/14	8.3	3/3/14	3/3/24
63017	GEN1119	3/3/14	14.8	3/3/14	3/3/24
63301	GEN1119	3/3/14	8.1	3/3/14	3/3/24
63110	GEN1119	3/3/14	6.2	3/3/14	3/3/24
63077	GEN1119	3/3/14	12.4	3/3/14	3/3/24
63141	GEN1119	3/3/14	11.1	3/3/14	3/3/24
63303	GEN1119	3/3/14	10.3	3/3/14	3/3/24
63110	GEN1119	3/3/14	11.0	3/3/14	3/3/24
63116	GEN1119	3/3/14	6.9	3/3/14	3/3/24
63072	GEN1119	3/3/14	13.8	3/3/14	3/3/24
63077	GEN1119	3/3/14	18.6	3/3/14	3/3/24
63119	GEN1119	3/3/14	6.7	3/3/14	3/3/24
63123	GEN1119	3/3/14	9.3	3/3/14	3/3/24
63077	GEN1119	3/3/14	8.7	3/3/14	3/3/24
63069	GEN1119	3/4/14	20.6	3/4/14	3/4/24
63304	GEN1119	3/4/14	8.3	3/4/14	3/4/24
65065	GEN1119	3/4/14	19.4	3/4/14	3/4/24
63090	GEN1119	3/4/14	33.7	3/4/14	3/4/24

63090	GEN1119	3/4/14	15.1	3/4/14	3/4/24
63376	GEN1119	3/4/14	13.3	3/4/14	3/4/24
63084	GEN1119	3/4/14	33.3	3/4/14	3/4/24
63701	GEN1119	3/4/14	9.0	3/4/14	3/3/24
63736	GEN1119	3/4/14	30.7	3/5/14	3/5/24
63050	GEN1119	3/5/14	8.4	3/5/14	3/5/24
65065	GEN1119	3/5/14	34.0	3/5/14	3/5/24
63023	GEN1119	3/5/14	16.5	3/5/14	3/5/24
63023	GEN1119	3/5/14	33.7	3/5/14	3/5/24
63303	GEN1119	3/6/14	15.9	3/6/14	3/6/24
63146	GEN1119	3/6/14	9.6	3/6/14	3/6/24
63010	GEN1119	3/6/14	7.3	3/6/14	3/6/24
63052	GEN1119	3/6/14	17.9	3/6/14	3/6/24
63304	GEN1119	3/6/14	10.8	3/6/14	3/6/24
63376	GEN1119	3/6/14	17.5	3/6/14	3/6/24
65240	GEN1119	3/7/14	13.2	3/7/14	3/7/24
65233	GEN1119	3/10/14	33.7	3/10/14	3/10/24
63017	GEN1119	3/10/14	10.9	3/10/14	3/10/24
63028	GEN1119	3/10/14	24.3	3/10/14	3/10/24
63376	GEN1119	3/10/14	15.2	3/10/14	3/10/24
63546	GEN1119	3/11/14	6.7	3/11/14	3/11/24
63368	GEN1119	3/11/14	12.0	3/11/14	3/11/24
63501	GEN1119	3/11/14	21.8	3/11/14	3/11/24
63070	GEN1119	3/11/14	15.2	3/11/14	3/11/24

63304	GEN1119	3/11/14	12.1	3/11/14	3/11/24
63020	GEN1119	3/11/14	23.6	3/11/14	3/11/24
63020	GEN1119	3/11/14	16.9	3/11/14	3/11/24
63084	GEN1119	3/11/14	34.4	3/11/14	3/11/24
63385	GEN1119	3/11/14	4.4	3/11/14	3/11/24
65263	GEN1119	3/11/14	2.7	3/11/14	3/11/24
63303	GEN1119	3/11/14	6.0	3/11/14	3/11/24
63012	GEN1119	3/11/14	11.0	3/11/14	3/11/24
63546	GEN1119	3/11/14	12.8	3/11/14	3/11/24
63060	GEN1119	3/11/14	8.7	3/11/14	3/11/24
63368	GEN1119	3/11/14	8.9	3/11/14	3/11/24
63025	GEN1119	3/11/14	15.2	3/11/14	3/11/24
63090	GEN1119	3/11/14	33.3	3/11/14	3/11/24
63501	GEN1119	3/11/14	4.0	3/11/14	3/11/24
63041	GEN1119	3/11/14	22.7	3/11/14	3/11/24
63016	GEN1119	3/11/14	12.1	3/11/14	3/11/24
63546	GEN1119	3/11/14	28.3	3/11/14	3/11/24
63546	GEN1119	3/11/14	33.7	3/11/14	3/11/24
63546	GEN1119	3/11/14	33.7	3/11/14	3/11/24
63072	GEN1119	3/11/14	24.5	3/11/14	2/26/24
63025	GEN1119	3/12/14	15.9	3/12/14	3/12/24
63069	GEN1119	3/12/14	33.4	3/12/14	3/12/24
63025	GEN1119	3/12/14	13.8	3/12/14	3/12/24
63077	GEN1119	3/12/14	33.3	3/12/14	3/12/24



63077	GEN1119	3/12/14	33.3	3/12/14	3/12/24
63826	GEN1119	3/12/14	27.8	3/12/14	3/7/24
63826	GEN1119	3/12/14	25.3	3/12/14	3/7/24
63090	GEN1119	3/13/14	5.9	3/13/14	3/13/24
63739	GEN1119	3/13/14	23.8	3/13/14	3/13/24
63740	GEN1119	3/13/14	8.6	3/13/14	3/13/24
63026	GEN1119	3/13/14	11.1	3/13/14	3/13/24
63138	GEN1119	3/13/14	8.8	3/13/14	3/13/24
63069	GEN1119	3/13/14	13.1	3/13/14	3/13/24
63701	GEN1119	3/13/14	18.3	3/13/14	3/13/24
63376	GEN1119	3/13/14	16.1	3/13/14	3/13/24
63108	GEN1119	3/13/14	6.5	3/13/14	3/13/24
63069	GEN1119	3/13/14	12.4	3/13/14	3/13/24
63129	GEN1119	3/13/14	10.3	3/13/14	3/13/24
63385	GEN1119	3/13/14	33.3	3/13/14	3/13/24
63385	GEN1119	3/13/14	33.3	3/13/14	3/13/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63366	GEN1119	3/14/14	13.1	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24

63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63132	GEN1119	3/14/14	33.7	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24

63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63110	GEN1119	3/14/14	31.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
65101	GEN1119	3/14/14	21.4	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63376	GEN1119	3/14/14	12.1	3/14/14	3/14/24
63114	GEN1119	3/14/14	5.4	3/14/14	3/14/24
63114	GEN1119	3/14/14	8.8	3/14/14	3/14/24
63144	GEN1119	3/14/14	33.3	3/14/14	3/14/24

63301	GEN1119	3/14/14	15.2	3/14/14	3/14/24
63139	GEN1119	3/14/14	33.3	3/14/14	3/14/24
63110	GEN1119	3/14/14	7.6	3/14/14	3/14/24
63110	GEN1119	3/14/14	12.0	3/14/14	3/14/24
63105	GEN1119	3/14/14	33.7	3/14/14	3/14/24
63131	GEN1119	3/14/14	33.3	3/14/14	3/14/24
63119	GEN1119	3/14/14	8.3	3/14/14	3/14/24
63348	GEN1119	3/14/14	34.3	3/14/14	3/14/24
63105	GEN1119	3/14/14	31.6	3/14/14	3/14/24
63105	GEN1119	3/14/14	31.6	3/14/14	3/10/24
65101	GEN1119	3/14/14	8.4	5/1/14	5/1/24
63385	GEN1119	3/17/14	33.3	3/17/14	3/17/24
63376	GEN1119	3/17/14	11.8	3/17/14	3/17/24
63845	GEN1119	3/17/14	20.2	3/17/14	3/17/24
63303	GEN1119	3/17/14	8.4	3/17/14	3/17/24
63376	GEN1119	3/17/14	11.0	3/17/14	3/17/24
63303	GEN1119	3/17/14	16.2	3/17/14	3/17/24
63379	GEN1119	3/17/14	22.7	3/17/14	3/17/24
63376	GEN1119	3/17/14	34.4	3/17/14	3/17/24
63376	GEN1119	3/17/14	24.8	3/17/14	3/17/24
63123	GEN1119	3/17/14	6.5	3/17/14	3/17/24
63304	GEN1119	3/17/14	9.4	3/17/14	3/17/24
63114	GEN1119	3/18/14	15.1	3/18/14	3/18/24
63301	GEN1119	3/18/14	15.8	3/18/14	3/18/24

63303	GEN1119	3/18/14	14.8	3/18/14	3/18/24
63051	GEN1119	3/18/14	7.7	3/18/14	3/18/24
63135	GEN1119	3/19/14	33.3	3/19/14	3/19/24
63025	GEN1119	3/19/14	13.6	3/19/14	3/19/24
63104	GEN1119	3/19/14	5.3	3/19/14	3/19/24
63084	GEN1119	3/19/14	15.4	3/19/14	3/19/24
63072	GEN1119	3/19/14	16.9	3/19/14	3/19/24
64649	GEN1119	3/19/14	13.5	3/19/14	3/19/24
63069	GEN1119	3/19/14	12.4	3/19/14	3/19/24
63069	GEN1119	3/19/14	12.7	3/19/14	3/19/24
63055	GEN1119	3/19/14	13.4	3/19/14	3/19/24
64062	GEN1119	3/19/14	33.7	3/19/14	3/19/24
63084	GEN1119	3/19/14	17.2	3/19/14	3/19/24
63026	GEN1119	3/20/14	10.3	3/20/14	3/20/24
63128	GEN1119	3/20/14	9.3	3/20/14	3/20/24
63141	GEN1119	3/20/14	9.3	3/20/14	3/20/24
63146	GEN1119	3/20/14	7.9	3/20/14	3/20/24
63376	GEN1119	3/20/14	12.4	3/20/14	3/20/24
63132	GEN1119	3/20/14	10.0	3/20/14	3/20/24
63043	GEN1119	3/20/14	8.9	3/20/14	3/20/24
63144	GEN1119	3/20/14	33.3	3/20/14	3/20/24
63040	GEN1119	3/20/14	13.1	3/20/14	3/20/24
63114	GEN1119	3/20/14	5.8	3/20/14	3/20/24
63125	GEN1119	3/20/14	14.2	3/20/14	3/20/24

63129	GEN1119	3/20/14	3.4	3/20/14	3/20/24
63119	GEN1119	3/20/14	33.7	3/20/14	3/20/24
63119	GEN1119	3/20/14	9.4	3/20/14	3/20/24
63144	GEN1119	3/20/14	33.3	3/20/14	3/20/24
63127	GEN1119	3/20/14	29.1	3/20/14	3/20/24
63119	GEN1119	3/20/14	10.7	3/20/14	3/20/24
63017	GEN1119	3/21/14	10.3	3/21/14	3/21/24
63118	GEN1119	3/21/14	34.3	3/21/14	3/21/24
63055	GEN1119	3/21/14	13.8	3/21/14	3/21/24
65039	GEN1119	3/21/14	12.6	3/21/14	3/21/24
63072	GEN1119	3/21/14	24.8	3/21/14	3/21/24
63141	GEN1119	3/21/14	13.2	3/21/14	3/13/24
63025	GEN1119	3/24/14	10.3	3/24/14	3/24/24
63049	GEN1119	3/24/14	33.7	3/24/14	3/24/24
63025	GEN1119	3/24/14	11.1	3/24/14	3/24/24
63049	GEN1119	3/24/14	8.8	3/24/14	3/24/24
63026	GEN1119	3/24/14	14.4	3/24/14	3/24/24
63108	GEN1119	3/24/14	16.4	3/24/14	2/21/24
63128	GEN1119	3/25/14	12.3	3/25/14	3/25/24
63332	GEN1119	3/25/14	34.3	3/25/14	3/25/24
63050	GEN1119	3/25/14	25.3	3/25/14	3/25/24
63070	GEN1119	3/25/14	12.4	3/25/14	3/25/24
63050	GEN1119	3/25/14	20.0	3/25/14	3/25/24
63128	GEN1119	3/25/14	6.3	3/25/14	3/13/24

63026	GEN1119	3/26/14	8.9	3/26/14	3/26/24
63350	GEN1119	3/26/14	27.5	3/26/14	3/26/24
63010	GEN1119	3/26/14	6.2	3/26/14	3/26/24
63043	GEN1119	3/26/14	33.7	3/26/14	3/26/24
63037	GEN1119	3/26/14	7.7	3/26/14	3/26/24
63127	GEN1119	3/26/14	34.3	3/26/14	3/26/24
63049	GEN1119	3/26/14	13.4	3/26/14	3/26/24
63016	GEN1119	3/26/14	12.5	3/26/14	3/26/24
63052	GEN1119	3/26/14	4.4	3/26/14	3/26/24
63016	GEN1119	3/26/14	14.0	3/26/14	3/26/24
63028	GEN1119	3/27/14	19.3	3/27/14	3/27/24
63304	GEN1119	3/27/14	34.3	3/27/14	3/27/24
65039	GEN1119	3/27/14	13.6	3/27/14	3/27/24
63028	GEN1119	3/27/14	19.6	3/27/14	3/27/24
63301	GEN1119	3/27/14	10.8	3/27/14	3/27/24
63123	GEN1119	3/27/14	34.0	3/27/14	3/27/24
63771	GEN1119	3/27/14	18.9	3/27/14	3/27/24
63025	GEN1119	3/28/14	9.4	3/28/14	3/28/24
63052	GEN1119	3/28/14	6.7	3/28/14	3/28/24
63010	GEN1119	3/28/14	33.7	3/28/14	3/28/24
63385	GEN1119	3/28/14	10.3	3/28/14	3/28/24
63026	GEN1119	3/31/14	32.4	3/31/14	3/31/24
63026	GEN1119	3/31/14	34.0	3/31/14	3/31/24
63026	GEN1119	3/31/14	35.6	3/31/14	3/31/24

63021	GEN1119	3/31/14	7.9	3/31/14	3/31/24
63025	GEN1119	3/31/14	18.9	3/31/14	3/31/24
63028	GEN1119	3/31/14	7.6	3/31/14	3/31/24
63028	GEN1119	3/31/14	9.6	3/31/14	3/31/24
63132	GEN1119	3/31/14	33.3	3/31/14	3/31/24
63132	GEN1119	3/31/14	24.7	3/31/14	3/31/24
63021	GEN1119	3/31/14	13.4	3/31/14	3/31/24
63068	GEN1119	3/31/14	22.7	3/31/14	3/31/24
63043	GEN1119	3/31/14	33.6	3/31/14	3/31/24
63119	GEN1119	3/31/14	8.9	3/31/14	3/31/24
63066	GEN1119	3/31/14	23.9	3/31/14	3/31/24
63050	GEN1119	3/31/14	5.6	3/31/14	3/31/24
63026	GEN1119	3/31/14	6.9	3/31/14	3/31/24
63021	GEN1119	3/31/14	8.3	3/31/14	3/31/24
63143	GEN1119	3/31/14	4.0	3/31/14	3/31/24
63126	GEN1119	3/31/14	15.1	3/31/14	3/31/24
63044	GEN1119	3/31/14	15.4	3/31/14	3/31/24
63044	GEN1119	3/31/14	30.7	3/31/14	3/31/24
63017	GEN1119	4/1/14	10.3	4/1/14	4/1/24
63005	GEN1119	4/1/14	8.3	4/1/14	4/1/24
63640	GEN1119	4/1/14	12.7	4/1/14	4/1/24
63021	GEN1119	4/1/14	6.9	4/1/14	4/1/24
63301	GEN1119	4/2/14	37.5	4/2/14	4/2/24
63131	GEN1119	4/2/14	8.3	4/2/14	4/2/24



63026	GEN1119	4/2/14	10.8	4/2/14	4/2/24
63126	GEN1119	4/2/14	6.0	4/2/14	4/2/24
63017	GEN1119	4/2/14	5.5	4/2/14	4/2/24
63501	GEN1119	4/2/14	21.2	4/2/14	4/2/24
63122	GEN1119	4/2/14	33.3	4/2/14	4/2/24
63304	GEN1119	4/2/14	22.6	4/2/14	4/2/24
63010	GEN1119	4/2/14	5.2	4/2/14	4/2/24
63052	GEN1119	4/2/14	11.4	4/2/14	4/2/24
63112	GEN1119	4/2/14	8.3	4/2/14	4/2/24
63128	GEN1119	4/2/14	34.3	4/2/14	4/2/24
63128	GEN1119	4/2/14	34.3	4/2/14	4/2/24
63703	GEN1119	4/2/14	22.9	4/2/14	4/2/24
63104	GEN1119	4/3/14	34.3	4/3/14	4/3/24
63103	GEN1119	4/3/14	34.6	4/3/14	4/3/24
63011	GEN1119	4/3/14	10.7	4/3/14	4/3/24
63025	GEN1119	4/3/14	5.5	4/3/14	4/3/24
63301	GEN1119	4/3/14	8.9	4/3/14	4/3/24
63301	GEN1119	4/3/14	5.1	4/3/14	4/3/24
63051	GEN1119	4/3/14	18.9	4/3/14	4/3/24
63011	GEN1119	4/3/14	11.4	4/3/14	4/3/24
63051	GEN1119	4/3/14	15.8	4/3/14	4/3/24
63304	GEN1119	4/3/14	24.7	4/3/14	4/3/24
63010	GEN1119	4/3/14	10.1	4/3/14	4/3/24
63103	GEN1119	4/3/14	33.3	4/3/14	4/3/24

63025	GEN1119	4/3/14	31.6	4/8/14	4/8/24
63026	GEN1119	4/4/14	35.6	4/4/14	4/4/24
63376	GEN1119	4/4/14	7.9	4/4/14	4/4/24
63090	GEN1119	4/4/14	33.3	4/4/14	4/4/24
63343	GEN1119	4/4/14	33.7	4/4/14	4/4/24
65014	GEN1119	4/4/14	33.3	4/4/14	4/4/24
63105	GEN1119	4/4/14	31.6	4/4/14	4/4/24
65066	GEN1119	4/7/14	33.4	4/7/14	4/7/24
65066	GEN1119	4/7/14	33.4	4/7/14	4/7/24
63017	GEN1119	4/7/14	13.5	4/7/14	4/7/24
65043	GEN1119	4/7/14	5.1	4/7/14	4/7/24
63701	GEN1119	4/7/14	34.4	4/7/14	4/7/24
63111	GEN1119	4/7/14	7.4	4/7/14	4/7/24
65101	GEN1119	4/7/14	13.1	4/7/14	4/7/24
63366	GEN1119	4/8/14	33.4	4/8/14	4/8/24
63701	GEN1119	4/8/14	31.0	4/8/14	4/8/24
63366	GEN1119	4/8/14	33.4	4/8/14	4/8/24
63105	GEN1119	4/8/14	31.6	4/8/14	4/8/24
63873	GEN1119	4/9/14	8.6	4/9/14	4/9/24
63385	GEN1119	4/9/14	11.7	4/9/14	4/9/24
63026	GEN1119	4/9/14	8.3	4/9/14	4/9/24
63026	GEN1119	4/9/14	8.9	4/9/14	4/9/24
64644	GEN1119	4/9/14	33.7	4/9/14	4/9/24
63010	GEN1119	4/9/14	18.2	4/9/14	4/9/24

63379	GEN1119	4/9/14	8.3	4/9/14	4/9/24
63304	GEN1119	4/9/14	11.5	4/9/14	4/9/24
63873	GEN1119	4/9/14	10.6	4/9/14	4/9/24
64644	GEN1119	4/9/14	33.7	4/9/14	4/9/24
63070	GEN1119	4/10/14	10.1	4/10/14	4/10/24
64628	GEN1119	4/10/14	13.5	4/10/14	4/10/24
63090	GEN1119	4/10/14	25.1	4/10/14	4/10/24
63089	GEN1119	4/10/14	17.5	4/10/14	4/10/24
63012	GEN1119	4/10/14	10.1	4/10/14	4/10/24
63028	GEN1119	4/10/14	14.1	4/10/14	4/10/24
63118	GEN1119	4/10/14	14.7	4/10/14	4/10/24
63776	GEN1119	4/11/14	13.2	4/11/14	4/11/24
63017	GEN1119	4/11/14	13.3	4/11/14	4/11/24
63025	GEN1119	4/11/14	15.4	4/11/14	4/11/24
63301	GEN1119	4/11/14	20.6	4/11/14	4/11/24
63303	GEN1119	4/11/14	12.4	4/11/14	4/11/24
63010	GEN1119	4/11/14	33.5	4/11/14	4/11/24
63385	GEN1119	4/11/14	33.3	4/11/14	4/11/24
63376	GEN1119	4/11/14	22.6	4/11/14	4/11/24
63129	GEN1119	4/11/14	27.0	4/11/14	4/11/24
63052	GEN1119	4/11/14	17.2	4/11/14	4/11/24
63332	GEN1119	4/11/14	16.5	4/11/14	4/11/24
65065	GEN1119	4/11/14	33.3	4/11/14	4/11/24
65065	GEN1119	4/11/14	33.3	4/11/14	4/11/24

63021	GEN1119	4/11/14	10.3	4/11/14	4/11/24
63123	GEN1119	4/11/14	34.3	4/11/14	4/11/24
63123	GEN1119	4/11/14	34.3	4/11/14	4/11/24
63123	GEN1119	4/11/14	34.3	4/11/14	4/11/24
63114	GEN1119	4/11/14	34.3	4/11/14	4/11/24
63132	GEN1119	4/11/14	33.3	4/11/14	4/11/24
63132	GEN1119	4/12/14	33.7	4/12/14	4/12/24
63131	GEN1119	4/13/14	33.7	4/13/14	4/13/24
63017	GEN1119	4/14/14	33.7	4/14/14	4/14/24
63146	GEN1119	4/14/14	6.7	4/14/14	4/14/24
63146	GEN1119	4/14/14	34.3	4/14/14	4/14/24
63366	GEN1119	4/14/14	34.3	4/14/14	4/14/24
63132	GEN1119	4/14/14	33.7	4/14/14	4/14/24
63132	GEN1119	4/14/14	6.7	4/14/14	4/14/24
65014	GEN1119	4/14/14	2.8	4/14/14	4/14/24
65010	GEN1119	4/14/14	13.1	4/14/14	4/14/24
63362	GEN1119	4/14/14	22.6	4/14/14	4/14/24
63129	GEN1119	4/14/14	23.0	4/14/14	4/14/24
63128	GEN1119	4/14/14	10.1	4/14/14	4/14/24
63366	GEN1119	4/14/14	34.3	4/14/14	4/14/24
63016	GEN1119	4/14/14	13.8	4/14/14	4/14/24
63023	GEN1119	4/14/14	24.1	4/14/14	4/14/24
63834	GEN1119	4/15/14	6.1	4/15/14	4/15/24
63834	GEN1119	4/15/14	9.4	4/15/14	4/15/24

63348	GEN1119	4/15/14	33.3	4/15/14	4/15/24
63376	GEN1119	4/15/14	34.3	4/15/14	4/15/24
63010	GEN1119	4/15/14	5.7	4/15/14	4/15/24
63052	GEN1119	4/15/14	33.5	4/15/14	4/15/24
63343	GEN1119	4/15/14	33.7	4/15/14	4/15/24
63052	GEN1119	4/15/14	34.3	4/15/14	4/15/24
63115	GEN1119	4/15/14	34.3	4/15/14	4/15/24
63010	GEN1119	4/15/14	33.5	4/15/14	4/15/24
63376	GEN1119	4/15/14	8.1	4/15/14	4/15/24
63701	GEN1119	4/15/14	34.4	4/15/14	4/15/24
63077	GEN1119	4/16/14	18.2	4/16/14	4/16/24
63089	GEN1119	4/16/14	31.0	4/16/14	4/16/24
63069	GEN1119	4/16/14	33.7	4/16/14	4/16/24
63138	GEN1119	4/16/14	18.9	4/16/14	4/16/24
65072-2114	GEN1119	4/16/14	13.1	4/16/14	4/16/24
63069	GEN1119	4/16/14	6.9	4/16/14	4/16/24
63108	GEN1119	4/16/14	33.7	4/16/14	4/16/24
63113	GEN1119	4/16/14	33.3	4/16/14	4/16/24
63090	GEN1119	4/16/14	12.4	4/16/14	4/16/24
63069	GEN1119	4/16/14	27.5	4/16/14	4/16/24
63084	GEN1119	4/16/14	24.3	4/16/14	4/16/24
63090	GEN1119	4/16/14	22.7	4/16/14	4/16/24
63090	GEN1119	4/16/14	10.3	4/16/14	4/16/24
63366	GEN1119	4/16/14	33.4	4/16/14	4/16/24

63033	GEN1119	4/16/14	12.8	4/16/14	4/16/24
63104	GEN1119	4/17/14	33.7	4/17/14	4/17/24
63010	GEN1119	4/17/14	34.3	4/17/14	4/17/24
63701	GEN1119	4/17/14	9.4	4/17/14	4/17/24
63701	GEN1119	4/17/14	6.7	4/17/14	4/17/24
63701	GEN1119	4/17/14	8.8	4/17/14	4/17/24
63758	GEN1119	4/17/14	31.4	4/17/14	4/17/24
63301	GEN1119	4/17/14	10.3	4/17/14	4/17/24
63052	GEN1119	4/17/14	34.3	4/17/14	4/17/24
63703	GEN1119	4/21/14	17.8	4/21/14	4/21/24
63026	GEN1119	4/21/14	12.1	4/21/14	4/21/24
63028	GEN1119	4/21/14	13.5	4/21/14	4/21/24
63376	GEN1119	4/21/14	22.4	4/21/14	4/21/24
63023	GEN1119	4/21/14	15.1	4/21/14	4/21/24
65270	GEN1119	4/22/14	5.4	4/22/14	4/22/24
63084	GEN1119	4/23/14	34.6	4/23/14	4/23/24
63077	GEN1119	4/23/14	34.4	4/23/14	4/23/24
63010	GEN1119	4/23/14	10.1	4/23/14	4/23/24
63304	GEN1119	4/23/14	18.2	4/23/14	4/23/24
65265	GEN1119	4/23/14	33.3	4/23/14	4/23/24
63701	GEN1119	4/23/14	12.1	4/23/14	4/23/24
63051	GEN1119	4/23/14	20.9	4/23/14	4/23/24
63116	GEN1119	4/23/14	7.0	4/23/14	4/23/24
63010	GEN1119	4/23/14	34.3	4/23/14	4/23/24

63010	GEN1119	4/23/14	33.5	4/23/14	4/23/24
63343	GEN1119	4/23/14	33.7	4/23/14	4/23/24
63072	GEN1119	4/23/14	25.5	4/23/14	4/23/24
65265	GEN1119	4/23/14	33.3	4/23/14	4/23/24
63060	GEN1119	4/23/14	34.0	4/23/14	4/23/24
63010	GEN1119	4/23/14	34.3	4/23/14	4/23/24
63385	GEN1119	4/24/14	17.9	4/24/14	4/24/24
63385	GEN1119	4/24/14	33.7	4/24/14	4/24/24
63132	GEN1119	4/24/14	33.3	4/24/14	4/24/24
63303	GEN1119	4/24/14	13.1	4/24/14	4/24/24
63017	GEN1119	4/24/14	13.5	4/24/14	4/24/24
63119	GEN1119	4/24/14	29.1	4/24/14	4/24/24
63139	GEN1119	4/24/14	33.7	4/24/14	4/24/24
63130	GEN1119	4/24/14	10.3	4/24/14	4/24/24
63640	GEN1119	4/24/14	15.5	4/24/14	4/24/24
63640	GEN1119	4/24/14	16.2	4/24/14	4/24/24
63640	GEN1119	4/24/14	21.6	4/24/14	4/24/24
63132	GEN1119	4/24/14	16.2	4/24/14	4/24/24
63601	GEN1119	4/24/14	22.8	4/24/14	4/1/24
63130	GEN1119	4/24/14	9.7	4/24/14	4/23/24
63334	GEN1119	4/25/14	33.4	4/25/14	4/25/24
63353	GEN1119	4/25/14	33.1	4/25/14	4/25/24
63104	GEN1119	4/25/14	33.7	4/25/14	4/25/24
63383	GEN1119	4/25/14	6.7	4/25/14	4/25/24

63701	GEN1119	4/25/14	11.1	4/25/14	4/25/24
63390	GEN1119	4/25/14	17.5	4/25/14	4/25/24
63368	GEN1119	4/25/14	9.6	4/25/14	4/25/24
63069	GEN1119	4/25/14	33.7	4/25/14	4/25/24
63304	GEN1119	4/25/14	11.5	4/25/14	4/25/24
63303	GEN1119	4/25/14	20.9	4/25/14	4/25/24
63015	GEN1119	4/25/14	8.1	4/25/14	4/25/24
63122	GEN1119	4/25/14	12.6	4/25/14	4/25/24
63025	GEN1119	4/25/14	9.4	4/25/14	4/25/24
63640	GEN1119	4/25/14	1.0	4/25/14	4/25/24
63304	GEN1119	4/25/14	33.3	4/25/14	4/25/24
63301	GEN1119	4/25/14	8.8	4/25/14	4/25/24
63023	GEN1119	4/25/14	13.8	4/25/14	4/25/24
63124	GEN1119	4/25/14	17.2	4/25/14	4/25/24
63703	GEN1119	4/25/14	31.6	4/25/14	4/22/24
63366	GEN1119	4/28/14	33.4	4/28/14	4/28/24
63368	GEN1119	4/28/14	10.1	4/28/14	4/28/24
63366	GEN1119	4/29/14	33.3	4/29/14	4/29/24
63385	GEN1119	4/29/14	7.0	4/29/14	4/29/24
65039	GEN1119	4/29/14	13.4	4/29/14	4/29/24
63052	GEN1119	4/29/14	33.5	4/29/14	4/29/24
63376	GEN1119	4/29/14	12.1	4/29/14	4/29/24
65101	GEN1119	4/29/14	14.7	4/29/14	4/29/24
63366	GEN1119	4/29/14	29.6	4/29/14	4/29/24



63341	GEN1119	4/29/14	20.0	4/29/14	4/29/24
63050	GEN1119	4/30/14	16.5	4/30/14	4/30/24
63119	GEN1119	4/30/14	14.5	4/30/14	4/30/24
63052	GEN1119	4/30/14	21.7	4/30/14	4/30/24
63050	GEN1119	4/30/14	24.3	4/30/14	4/30/24
63141	GEN1119	4/30/14	34.4	4/30/14	4/30/24
63077	GEN1119	4/30/14	34.0	4/30/14	4/30/24
63012	GEN1119	4/30/14	33.4	4/30/14	4/30/24
63012	GEN1119	4/30/14	11.5	4/30/14	4/30/24
63072	GEN1119	4/30/14	31.6	4/30/14	4/8/24
63301	GEN1119	5/1/14	13.2	5/1/14	5/1/24
63021	GEN1119	5/1/14	4.7	5/1/14	5/1/24
63122	GEN1119	5/1/14	17.2	5/1/14	5/1/24
63366	GEN1119	5/1/14	34.3	5/1/14	5/1/24
63021	GEN1119	5/1/14	7.7	5/1/14	5/1/24
63701	GEN1119	5/1/14	23.6	5/1/14	5/1/24
63068	GEN1119	5/1/14	22.9	5/1/14	5/1/24
63701	GEN1119	5/1/14	17.5	5/1/14	5/1/24
63125	GEN1119	5/1/14	18.2	5/1/14	5/1/24
63304	GEN1119	5/1/14	13.4	5/1/14	5/1/24
63021	GEN1119	5/1/14	21.0	5/1/14	5/1/24
63348	GEN1119	5/1/14	33.4	5/1/14	5/1/24
63366	GEN1119	5/1/14	11.0	5/1/14	5/1/24
63050	GEN1119	5/1/14	16.9	5/1/14	5/1/24

63017	GEN1119	5/2/14	33.3	5/2/14	5/2/24
63110	GEN1119	5/2/14	33.7	5/2/14	5/2/24
63005	GEN1119	5/2/14	9.3	5/2/14	5/2/24
63017	GEN1119	5/2/14	15.9	5/2/14	5/2/24
63376	GEN1119	5/2/14	34.3	5/2/14	5/2/24
63114	GEN1119	5/2/14	33.3	5/2/14	5/2/24
63366	GEN1119	5/2/14	34.6	5/2/14	5/2/24
63366	GEN1119	5/2/14	34.6	5/2/14	5/2/24
63026	GEN1119	5/2/14	12.7	5/2/14	5/2/24
63129	GEN1119	5/2/14	11.4	5/2/14	5/2/24
63128	GEN1119	5/2/14	9.1	5/2/14	5/2/24
63139	GEN1119	5/2/14	16.2	5/2/14	5/2/24
63112	GEN1119	5/2/14	8.1	5/2/14	5/2/24
63112	GEN1119	5/2/14	7.4	5/2/14	5/2/24
63144	GEN1119	5/2/14	15.1	5/2/14	5/2/24
63128	GEN1119	5/2/14	15.9	5/2/14	5/2/24
63130	GEN1119	5/2/14	33.4	5/2/14	5/2/24
63010	GEN1119	5/2/14	12.4	5/2/14	5/2/24
63114	GEN1119	5/2/14	8.8	5/2/14	5/2/24
63119	GEN1119	5/2/14	33.7	5/2/14	5/2/24
63114	GEN1119	5/2/14	10.1	5/2/14	5/2/24
63123	GEN1119	5/2/14	4.1	5/2/14	5/2/24
63126	GEN1119	5/2/14	11.5	5/2/14	5/2/24
63126	GEN1119	5/2/14	15.5	5/2/14	5/2/24

63117	GEN1119	5/2/14	9.5	5/2/14	5/2/24
63017	GEN1119	5/3/14	9.4	5/3/14	5/3/24
63005	GEN1119	5/3/14	49.5	5/3/14	5/3/24
63010	GEN1119	5/3/14	33.4	5/3/14	5/3/24
63010	GEN1119	5/3/14	34.3	5/3/14	5/3/24
63052	GEN1119	5/3/14	33.4	5/3/14	5/3/24
63010	GEN1119	5/3/14	34.3	5/3/14	5/3/24
63026	GEN1119	5/3/14	33.7	5/3/14	5/3/24
63141	GEN1119	5/3/14	8.9	5/3/14	5/3/24
63026	GEN1119	5/4/14	33.3	5/4/14	5/4/24
63017	GEN1119	5/5/14	18.6	5/5/14	5/5/24
63366	GEN1119	5/5/14	33.4	5/5/14	5/5/24
63103	GEN1119	5/5/14	34.0	5/5/14	5/5/24
63701	GEN1119	5/5/14	17.2	5/5/14	5/5/24
63376	GEN1119	5/5/14	16.9	5/5/14	5/5/24
63379	GEN1119	5/5/14	34.4	5/5/14	5/5/24
63376	GEN1119	5/5/14	15.8	5/5/14	5/5/24
63139	GEN1119	5/5/14	33.7	5/5/14	5/5/24
63139	GEN1119	5/5/14	33.7	5/5/14	5/5/24
63105	GEN1119	5/5/14	26.7	5/5/14	5/5/24
63129	GEN1119	5/5/14	16.9	5/5/14	5/5/24
63130	GEN1119	5/5/14	13.4	5/5/14	5/5/24
63366	GEN1119	5/5/14	27.4	5/5/14	5/5/24
63366	GEN1119	5/5/14	33.4	5/5/14	5/5/24

63028	GEN1119	5/5/14	33.4	5/5/14	5/5/24
63025	GEN1119	5/6/14	16.5	5/6/14	5/6/24
64024	GEN1119	5/6/14	9.7	5/6/14	5/6/24
64068	GEN1119	5/6/14	14.2	5/6/14	5/6/24
63069	GEN1119	5/6/14	16.5	5/6/14	5/6/24
63069	GEN1119	5/6/14	13.8	5/6/14	5/6/24
63366	GEN1119	5/6/14	33.7	5/6/14	5/6/24
65265	GEN1119	5/6/14	33.4	5/6/14	5/6/24
63366	GEN1119	5/6/14	33.4	5/6/14	5/6/24
63780	GEN1119	5/6/14	21.9	5/6/14	5/6/24
65026	GEN1119	5/6/14	13.5	5/6/14	5/6/24
63303	GEN1119	5/6/14	7.6	5/6/14	5/6/24
63105	GEN1119	5/6/14	3.4	5/6/14	5/6/24
63117	GEN1119	5/6/14	6.1	5/7/14	5/7/24
63134	GEN1119	5/7/14	41.6	5/7/14	5/7/24
63019	GEN1119	5/7/14	5.7	5/7/14	5/7/24
64644	GEN1119	5/7/14	25.3	5/7/14	5/7/24
63084	GEN1119	5/7/14	28.6	5/7/14	5/7/24
63084	GEN1119	5/7/14	13.8	5/7/14	5/7/24
63084	GEN1119	5/7/14	19.3	5/7/14	5/7/24
63084	GEN1119	5/7/14	26.1	5/7/14	5/7/24
65265	GEN1119	5/7/14	33.3	5/7/14	5/7/24
63019	GEN1119	5/7/14	11.8	5/7/14	5/7/24
63028	GEN1119	5/7/14	33.3	5/7/14	5/7/24

63020	GEN1119	5/7/14	13.2	5/7/14	5/7/24
65265	GEN1119	5/7/14	34.6	5/7/14	5/7/24
63873	GEN1119	5/7/14	33.7	5/7/14	5/7/24
63873	GEN1119	5/7/14	33.6	5/7/14	5/7/24
63025	GEN1119	5/7/14	18.9	5/7/14	5/7/24
63040	GEN1119	5/7/14	5.8	5/7/14	5/7/24
63873	GEN1119	5/7/14	33.7	5/7/14	5/7/24
63365	GEN1119	5/7/14	30.6	5/7/14	5/7/24
63084	GEN1119	5/7/14	33.7	5/7/14	5/7/24
63147	GEN1119	5/7/14	35.1	5/7/14	5/7/24
63028	GEN1119	5/7/14	33.3	5/7/14	5/7/24
63028	GEN1119	5/7/14	11.8	5/7/14	5/7/24
63379	GEN1119	5/7/14	29.6	5/7/14	5/7/24
65240	GEN1119	5/7/14	25.1	5/7/14	5/7/24
63084	GEN1119	5/7/14	18.5	5/7/14	5/7/24
63084	GEN1119	5/7/14	17.2	5/7/14	5/7/24
63117	GEN1119	5/7/14	9.5	5/7/14	5/7/24
63363	GEN1119	5/8/14	20.2	5/8/14	5/8/24
63366	GEN1119	5/8/14	33.4	5/8/14	5/8/24
63366	GEN1119	5/8/14	33.4	5/8/14	5/8/24
63366	GEN1119	5/8/14	34.6	5/8/14	5/8/24
63141	GEN1119	5/8/14	11.5	5/8/14	5/8/24
63119	GEN1119	5/8/14	6.0	5/8/14	5/8/24
63640	GEN1119	5/8/14	22.3	5/8/14	5/8/24

63366	GEN1119	5/8/14	9.7	5/8/14	5/8/24
63645	GEN1119	5/8/14	7.0	5/8/14	5/8/24
63042	GEN1119	5/9/14	8.1	5/9/14	5/9/24
63137	GEN1119	5/9/14	9.5	5/9/14	5/9/24
63301	GEN1119	5/9/14	5.2	5/9/14	5/9/24
63334	GEN1119	5/9/14	33.4	5/9/14	5/9/24
63334	GEN1119	5/9/14	33.4	5/9/14	5/9/24
63005	GEN1119	5/9/14	16.1	5/9/14	5/9/24
63043	GEN1119	5/9/14	33.7	5/9/14	5/9/24
63103	GEN1119	5/9/14	33.7	5/9/14	5/9/24
65233	GEN1119	5/9/14	22.9	5/9/14	5/9/24
63139	GEN1119	5/9/14	33.7	5/9/14	5/9/24
63123	GEN1119	5/9/14	33.7	5/9/14	5/9/24
63069	GEN1119	5/9/14	34.6	5/9/14	5/9/24
63020	GEN1119	5/12/14	33.3	5/12/14	5/12/24
63084	GEN1119	5/12/14	22.7	5/12/14	5/12/24
63105	GEN1119	5/12/14	6.9	5/12/14	5/12/24
63105	GEN1119	5/12/14	6.9	5/12/14	5/12/24
63141	GEN1119	5/12/14	34.4	5/12/14	5/12/24
63090	GEN1119	5/12/14	34.0	5/12/14	5/12/24
63090	GEN1119	5/12/14	34.0	5/12/14	5/12/24
63090	GEN1119	5/12/14	34.0	5/12/14	5/12/24
63090	GEN1119	5/12/14	34.0	5/12/14	5/12/24
63108	GEN1119	5/12/14	33.7	5/12/14	5/12/24

63090	GEN1119	5/12/14	34.4	5/12/14	5/12/24
63090	GEN1119	5/12/14	13.8	5/12/14	5/12/24
63050	GEN1119	5/12/14	11.5	5/12/14	5/12/24
63016	GEN1119	5/12/14	12.8	5/12/14	5/12/24
63028	GEN1119	5/12/14	33.4	5/12/14	5/12/24
63116	GEN1119	5/12/14	33.4	5/12/14	5/12/24
63031	GEN1119	5/12/14	11.1	5/12/14	5/12/24
63031	GEN1119	5/12/14	33.4	5/12/14	5/12/24
63304	GEN1119	5/13/14	33.7	5/13/14	5/13/24
63132	GEN1119	5/13/14	34.3	5/13/14	5/13/24
63141	GEN1119	5/13/14	11.4	5/13/14	5/13/24
63034	GEN1119	5/13/14	12.4	5/13/14	5/13/24
63017	GEN1119	5/13/14	9.4	5/13/14	5/13/24
63303	GEN1119	5/13/14	33.7	5/13/14	5/13/24
63088	GEN1119	5/13/14	34.3	5/13/14	5/13/24
63112	GEN1119	5/13/14	33.7	5/13/14	5/13/24
63703	GEN1119	5/13/14	29.7	5/13/14	5/13/24
63012	GEN1119	5/13/14	33.5	5/13/14	5/13/24
63123	GEN1119	5/13/14	21.0	5/13/14	5/13/24
63010	GEN1119	5/13/14	33.5	5/13/14	5/13/24
63088	GEN1119	5/13/14	34.3	5/13/14	5/13/24
63088	GEN1119	5/13/14	34.3	5/13/14	5/13/24
63088	GEN1119	5/13/14	34.3	5/13/14	5/13/24
63301	GEN1119	5/14/14	13.2	5/14/14	5/14/24

63132	GEN1119	5/14/14	29.7	5/14/14	5/14/24
63055	GEN1119	5/14/14	34.1	5/14/14	5/14/24
63376	GEN1119	5/14/14	33.7	5/14/14	5/14/24
63376	GEN1119	5/14/14	33.7	5/14/14	5/14/24
63069	GEN1119	5/14/14	12.4	5/14/14	5/14/24
63051	GEN1119	5/14/14	31.2	5/14/14	5/14/24
63073	GEN1119	5/14/14	10.3	5/14/14	5/14/24
63129	GEN1119	5/15/14	11.1	5/15/14	5/15/24
63083	GEN1119	5/15/14	13.5	5/15/14	5/15/24
63848	GEN1119	5/15/14	33.8	5/15/14	5/15/24
63088	GEN1119	5/16/14	33.5	5/16/14	5/16/24
63011	GEN1119	5/16/14	8.3	5/16/14	5/16/24
63146	GEN1119	5/16/14	76.9	5/16/14	5/16/24
63701	GEN1119	5/16/14	21.6	5/16/14	5/16/24
65043	GEN1119	5/16/14	16.8	5/16/14	5/16/24
63105	GEN1119	5/16/14	6.9	5/16/14	5/16/24
63701	GEN1119	5/16/14	24.3	5/16/14	5/16/24
63110	GEN1119	5/16/14	15.1	5/16/14	5/16/24
63366	GEN1119	5/16/14	33.4	5/16/14	5/16/24
63115	GEN1119	5/16/14	34.0	5/16/14	5/16/24
63105	GEN1119	5/16/14	6.5	5/16/14	5/16/24
63088	GEN1119	5/16/14	34.3	5/16/14	5/16/24
63141	GEN1119	5/16/14	13.1	5/16/14	5/16/24
63116	GEN1119	5/16/14	9.3	5/19/14	5/19/24



63701	GEN1119	5/17/14	10.8	5/17/14	5/17/24
65265	GEN1119	5/17/14	33.4	5/17/14	5/17/24
63130	GEN1119	5/17/14	33.3	5/17/14	5/17/24
65265	GEN1119	5/19/14	33.3	5/19/14	5/19/24
63141	GEN1119	5/19/14	33.4	5/19/14	5/19/24
63144	GEN1119	5/19/14	33.3	5/19/14	5/19/24
63379	GEN1119	5/19/14	33.3	5/19/14	5/19/24
63117	GEN1119	5/19/14	34.3	5/19/14	5/19/24
63106	GEN1119	5/19/14	1.4	5/19/14	5/19/24
63366	GEN1119	5/19/14	33.4	5/19/14	5/19/24
63106	GEN1119	5/19/14	33.7	5/19/14	5/19/24
63366	GEN1119	5/19/14	33.4	5/19/14	5/19/24
63051	GEN1119	5/19/14	33.7	5/19/14	5/19/24
63051	GEN1119	5/19/14	31.0	5/19/14	5/19/24
63376	GEN1119	5/19/14	34.3	5/19/14	5/19/24
63023	GEN1119	5/19/14	21.1	5/19/14	5/19/24
65265	GEN1119	5/19/14	33.3	5/19/14	5/19/24
63028	GEN1119	5/20/14	33.3	5/20/14	5/20/24
63028	GEN1119	5/20/14	33.3	5/20/14	5/20/24
63028	GEN1119	5/20/14	33.3	5/20/14	5/20/24
63084	GEN1119	5/20/14	12.4	5/20/14	5/20/24
63028	GEN1119	5/20/14	12.8	5/20/14	5/20/24
63011	GEN1119	5/20/14	31.0	5/20/14	5/20/24
63089	GEN1119	5/20/14	34.1	5/20/14	5/20/24

63089	GEN1119	5/20/14	34.1	5/20/14	5/20/24
63376	GEN1119	5/20/14	24.7	5/20/14	5/20/24
63304	GEN1119	5/20/14	33.7	5/20/14	5/20/24
63376	GEN1119	5/20/14	33.7	5/20/14	5/20/24
63089	GEN1119	5/20/14	24.3	5/20/14	5/20/24
63028	GEN1119	5/20/14	16.2	5/20/14	5/20/24
65233	GEN1119	5/21/14	33.3	5/21/14	5/21/24
63630	GEN1119	5/21/14	21.9	5/21/14	5/21/24
63622	GEN1119	5/21/14	8.8	5/21/14	5/21/24
63383	GEN1119	5/21/14	26.3	5/21/14	5/21/24
63131	GEN1119	5/21/14	13.4	5/21/14	5/21/24
63122	GEN1119	5/21/14	11.0	5/21/14	5/21/24
63005	GEN1119	5/21/14	10.3	5/21/14	5/21/24
63376	GEN1119	5/21/14	33.3	5/21/14	5/21/24
63131	GEN1119	5/21/14	13.4	5/21/14	5/21/24
63026	GEN1119	5/21/14	14.4	5/21/14	5/21/24
63026	GEN1119	5/21/14	13.3	5/21/14	5/21/24
63114	GEN1119	5/21/14	33.3	5/21/14	5/21/24
63026	GEN1119	5/21/14	34.3	5/21/14	5/21/24
63385	GEN1119	5/21/14	13.3	5/21/14	5/21/24
63303	GEN1119	5/21/14	35.0	5/21/14	5/21/24
63304	GEN1119	5/21/14	33.4	5/21/14	5/21/24
63110	GEN1119	5/21/14	33.7	5/21/14	5/21/24
63109	GEN1119	5/21/14	8.8	5/21/14	5/21/24

63303	GEN1119	5/21/14	18.2	5/21/14	5/21/24
63126	GEN1119	5/21/14	14.2	5/21/14	5/21/24
65065	GEN1119	5/21/14	34.3	5/21/14	5/21/24
65065	GEN1119	5/21/14	33.3	5/21/14	5/21/24
63366	GEN1119	5/21/14	34.6	5/21/14	5/21/24
64628	GEN1119	5/21/14	33.7	5/21/14	5/21/24
64628	GEN1119	5/21/14	33.7	5/21/14	5/21/24
65265	GEN1119	5/21/14	33.3	5/21/14	5/21/24
63339	GEN1119	5/22/14	20.2	5/22/14	5/22/24
63028	GEN1119	5/22/14	29.7	5/22/14	5/22/24
63068	GEN1119	5/22/14	33.5	5/22/14	5/22/24
63068	GEN1119	5/22/14	13.1	5/22/14	5/22/24
63026	GEN1119	5/22/14	17.2	5/22/14	5/22/24
63701	GEN1119	5/22/14	13.2	5/22/14	5/22/24
63043	GEN1119	5/22/14	33.5	5/22/14	5/22/24
63114	GEN1119	5/22/14	33.3	5/22/14	5/22/24
63031	GEN1119	5/22/14	28.1	5/22/14	5/22/24
63043	GEN1119	5/22/14	33.3	5/22/14	5/22/24
63135	GEN1119	5/22/14	10.7	5/22/14	5/22/24
63141	GEN1119	5/22/14	22.9	5/22/14	5/22/24
63114	GEN1119	5/22/14	33.3	5/22/14	5/22/24
63074	GEN1119	5/22/14	33.3	5/22/14	5/22/24
63010	GEN1119	5/22/14	13.0	5/22/14	5/22/24
63069	GEN1119	5/22/14	20.6	5/22/14	5/22/24

63108	GEN1119	5/22/14	5.4	5/22/14	5/22/24
63701	GEN1119	5/22/14	21.2	5/22/14	5/22/24
63701	GEN1119	5/22/14	2.4	5/22/14	5/22/24
63012	GEN1119	5/22/14	10.8	5/22/14	5/22/24
63017	GEN1119	5/22/14	13.5	5/22/14	5/22/24
63385	GEN1119	5/22/14	13.8	5/22/14	5/22/24
63051	GEN1119	5/22/14	20.6	5/22/14	5/22/24
63025	GEN1119	5/22/14	17.2	5/22/14	5/22/24
63037	GEN1119	5/22/14	16.2	5/22/14	5/22/24
65010	GEN1119	5/22/14	3.3	5/22/14	5/22/24
63026	GEN1119	5/22/14	29.1	5/22/14	5/22/24
63131	GEN1119	5/22/14	23.0	5/22/14	5/22/24
63385	GEN1119	5/23/14	34.3	5/23/14	5/23/24
63385	GEN1119	5/23/14	33.3	5/23/14	5/23/24
63862	GEN1119	5/23/14	16.2	5/23/14	5/23/24
63015	GEN1119	5/23/14	13.6	5/23/14	5/23/24
63376	GEN1119	5/23/14	17.2	5/23/14	5/23/24
63601	GEN1119	5/23/14	6.7	5/23/14	5/23/24
63055	GEN1119	5/23/14	33.2	5/23/14	5/23/24
63069	GEN1119	5/23/14	33.7	5/23/14	5/23/24
63640	GEN1119	5/23/14	27.0	5/23/14	5/23/24
63640	GEN1119	5/23/14	31.0	5/23/14	5/23/24
63628	GEN1119	5/23/14	13.1	5/23/14	5/23/24
63628	GEN1119	5/23/14	33.7	5/23/14	5/23/24

65026	GEN1119	5/23/14	33.3	5/23/14	5/23/24
63377	GEN1119	5/27/14	29.6	5/27/14	5/27/24
63379	GEN1119	5/27/14	16.5	5/27/14	5/27/24
63130	GEN1119	5/27/14	33.3	5/27/14	5/27/24
63801	GEN1119	5/27/14	13.2	5/27/14	5/27/24
63379	GEN1119	5/27/14	21.7	5/27/14	5/27/24
63084	GEN1119	5/27/14	13.8	5/27/14	5/27/24
63089	GEN1119	5/27/14	13.5	5/27/14	5/27/24
63090	GEN1119	5/27/14	13.3	5/27/14	5/27/24
63072	GEN1119	5/27/14	18.9	5/27/14	5/27/24
63128	GEN1119	5/27/14	12.1	5/27/14	5/27/24
63126	GEN1119	5/27/14	33.3	5/27/14	5/27/24
63055	GEN1119	5/27/14	27.9	5/27/14	5/27/24
63090	GEN1119	5/27/14	33.0	5/27/14	5/27/24
63021	GEN1119	5/27/14	9.4	5/27/14	5/27/24
63072	GEN1119	5/27/14	17.2	5/27/14	5/27/24
63041	GEN1119	5/27/14	26.9	5/27/14	5/27/24
63130	GEN1119	5/27/14	33.3	5/27/14	5/27/24
63127	GEN1119	5/27/14	9.6	5/27/14	5/27/24
65026	GEN1119	5/27/14	33.3	5/27/14	5/27/24
63376	GEN1119	5/28/14	32.4	5/28/14	5/28/24
64649	GEN1119	5/28/14	34.4	5/28/14	5/28/24
63376	GEN1119	5/28/14	32.4	5/28/14	5/28/24
63005	GEN1119	5/28/14	33.7	5/28/14	5/28/24

64024	GEN1119	5/28/14	33.1	5/28/14	5/28/24
63103	GEN1119	5/28/14	33.7	5/28/14	5/28/24
63301	GEN1119	5/28/14	12.4	5/28/14	5/28/24
64062	GEN1119	5/28/14	25.6	5/28/14	5/28/24
64062	GEN1119	5/28/14	33.7	5/28/14	5/28/24
63848	GEN1119	5/28/14	17.7	5/28/14	5/28/24
63848	GEN1119	5/28/14	14.2	5/28/14	5/28/24
64469	GEN1119	5/28/14	34.3	5/28/14	5/28/24
64469	GEN1119	5/28/14	34.3	5/28/14	5/28/24
64469	GEN1119	5/28/14	34.3	5/28/14	5/28/24
63143	GEN1119	5/28/14	33.7	5/28/14	5/28/24
63050	GEN1119	5/28/14	10.3	5/28/14	5/28/24
63050	GEN1119	5/28/14	35.1	5/28/14	5/28/24
63050	GEN1119	5/28/14	20.6	5/28/14	5/28/24
63019	GEN1119	5/29/14	12.4	5/29/14	5/29/24
63128	GEN1119	5/29/14	21.3	5/29/14	5/29/24
63028	GEN1119	5/29/14	12.9	5/29/14	5/29/24
63044	GEN1119	5/29/14	26.2	5/29/14	5/29/24
63055	GEN1119	5/29/14	12.1	5/29/14	5/29/24
63055	GEN1119	5/29/14	15.1	5/29/14	5/29/24
63025	GEN1119	5/29/14	23.6	5/29/14	5/29/24
63546	GEN1119	5/29/14	11.1	5/29/14	5/29/24
63005	GEN1119	5/29/14	14.5	5/29/14	5/29/24
63089	GEN1119	5/29/14	24.8	5/29/14	5/29/24

63701	GEN1119	5/29/14	18.9	5/29/14	5/29/24
63069	GEN1119	5/29/14	20.6	5/29/14	5/29/24
63084	GEN1119	5/29/14	12.4	5/29/14	5/29/24
63084	GEN1119	5/29/14	5.5	5/29/14	5/29/24
63090	GEN1119	5/29/14	21.6	5/29/14	5/29/24
63090	GEN1119	5/29/14	12.4	5/29/14	5/29/24
63701	GEN1119	5/29/14	18.2	5/29/14	5/29/24
63069	GEN1119	5/29/14	34.1	5/29/14	5/29/24
63028	GEN1119	5/29/14	14.2	5/29/14	5/29/24
63084	GEN1119	5/29/14	17.2	5/29/14	5/29/24
63090	GEN1119	5/29/14	15.1	5/29/14	5/29/24
63036	GEN1119	5/29/14	12.7	5/29/14	5/29/24
63072	GEN1119	5/29/14	15.2	5/29/14	5/29/24
63123	GEN1119	5/30/14	33.3	5/30/14	5/30/24
63106	GEN1119	5/30/14	1.4	5/30/14	5/30/24
63106	GEN1119	5/30/14	1.4	5/30/14	5/30/24
63106	GEN1119	5/30/14	33.7	5/30/14	5/30/24
63801	GEN1119	5/30/14	20.2	5/30/14	5/30/24
63103	GEN1119	5/30/14	29.7	5/30/14	5/30/24
63119	GEN1119	5/30/14	7.4	5/30/14	5/30/24
63088	GEN1119	5/30/14	34.3	5/30/14	5/30/24
63116	GEN1119	5/30/14	9.1	5/30/14	5/30/24
63621	GEN1119	5/30/14	13.1	5/30/14	5/30/24
63011	GEN1119	5/30/14	33.3	5/30/14	5/30/24

63068	GEN1119	5/30/14	33.7	5/30/14	5/30/24
63130	GEN1119	5/30/14	33.4	5/30/14	5/30/24
63130	GEN1119	5/30/14	33.3	5/30/14	5/30/24
65101	GEN1119	5/30/14	16.5	5/30/14	5/30/24
63130	GEN1119	5/30/14	33.3	5/30/14	5/30/24
63130	GEN1119	5/30/14	33.3	5/30/14	5/30/24
63114	GEN1119	5/30/14	34.3	5/30/14	5/30/24
63376	GEN1119	5/31/14	29.6	5/31/14	5/31/24
63043	GEN1119	5/31/14	33.3	5/31/14	5/31/24
63015	GEN1119	5/31/14	21.3	5/31/14	5/31/24
63146	GEN1119	5/31/14	33.3	5/31/14	5/31/24
63119	GEN1119	5/31/14	9.4	5/31/14	5/31/24
63011	GEN1119	5/31/14	13.2	5/31/14	5/31/24
63303	GEN1119	5/31/14	34.2	5/31/14	5/31/24
63026	GEN1119	5/31/14	14.0	5/31/14	5/31/24
63125	GEN1119	5/31/14	5.5	5/31/14	5/31/24
63043	GEN1119	5/31/14	4.4	5/31/14	5/31/24
63376	GEN1119	5/31/14	34.2	5/31/14	5/31/24
63017	GEN1119	5/31/14	16.5	5/31/14	5/31/24
63376	GEN1119	5/31/14	33.7	5/31/14	5/31/24
63043	GEN1119	5/31/14	33.3	5/31/14	5/31/24
63146	GEN1119	5/31/14	33.7	5/31/14	5/31/24
63146	GEN1119	5/31/14	33.7	5/31/14	5/31/24
63025	GEN1119	5/31/14	13.5	5/31/14	5/31/24



63146	GEN1119	5/31/14	33.7	5/31/14	5/31/24
63376	GEN1119	5/31/14	9.1	5/31/14	5/31/24
63376	GEN1119	5/31/14	6.6	5/31/14	5/31/24
63049	GEN1119	5/31/14	13.4	5/31/14	5/31/24
63052	GEN1119	5/31/14	33.5	5/31/14	5/31/24
63376	GEN1119	5/31/14	9.1	5/31/14	5/31/24
63069	GEN1119	5/31/14	13.5	5/31/14	5/31/24
63303	GEN1119	5/31/14	10.3	5/31/14	5/31/24
63301	GEN1119	5/31/14	33.5	5/31/14	5/31/24
63074	GEN1119	5/31/14	34.3	5/31/14	5/31/24
63376	GEN1119	5/31/14	13.6	5/31/14	5/31/24
63089	GEN1119	5/31/14	27.9	5/31/14	5/31/24
63089	GEN1119	5/31/14	21.4	5/31/14	5/31/24
63072	GEN1119	5/31/14	16.5	5/31/14	5/31/24
63026	GEN1119	5/31/14	33.7	5/31/14	5/31/24
63089	GEN1119	5/31/14	34.4	5/31/14	5/31/24
63049	GEN1119	5/31/14	9.4	5/31/14	5/31/24
63301	GEN1119	5/31/14	23.7	5/31/14	5/31/24
63044	GEN1119	5/31/14	33.7	5/31/14	5/31/24
63010	GEN1119	5/31/14	34.3	5/31/14	5/31/24
63141	GEN1119	5/31/14	33.4	5/31/14	5/31/24
63026	GEN1119	5/31/14	18.9	5/31/14	5/31/24
63089	GEN1119	5/31/14	27.5	5/31/14	5/31/24
63089	GEN1119	5/31/14	13.8	5/31/14	5/31/24

63089	GEN1119	5/31/14	22.7	5/31/14	5/31/24
63137	GEN1119	5/31/14	27.6	5/31/14	5/31/24
63123	GEN1119	5/31/14	34.7	5/31/14	5/31/24
65233	GEN1119	6/2/14	33.5	6/2/14	6/2/24
63376	GEN1119	6/2/14	34.2	6/2/14	6/2/24
63028	GEN1119	6/2/14	6.7	6/2/14	6/2/24
63017	GEN1119	6/2/14	34.3	6/2/14	6/2/24
63017	GEN1119	6/2/14	34.3	6/2/14	6/2/24
65109	GEN1119	6/2/14	13.6	6/2/14	6/2/24
63110	GEN1119	6/2/14	33.7	6/2/14	6/2/24
63116	GEN1119	6/2/14	33.7	6/2/14	6/2/24
63112	GEN1119	6/2/14	14.8	6/2/14	6/2/24
63044	GEN1119	6/3/14	33.3	6/3/14	6/3/24
65270	GEN1119	6/3/14	33.0	6/3/14	6/3/24
65065	GEN1119	6/3/14	34.3	6/3/14	6/3/24
65065	GEN1119	6/3/14	32.4	6/3/14	6/3/24
63368	GEN1119	6/3/14	33.3	6/3/14	6/3/24
63088	GEN1119	6/3/14	34.3	6/3/14	6/3/24
63105	GEN1119	6/3/14	31.6	6/3/14	4/8/24
63068	GEN1119	6/4/14	22.7	6/4/14	6/4/24
63074	GEN1119	6/4/14	33.3	6/4/14	6/4/24
63074	GEN1119	6/4/14	33.3	6/4/14	6/4/24
63122	GEN1119	6/4/14	34.4	6/4/14	6/4/24
63025	GEN1119	6/4/14	13.5	6/4/14	6/4/24

63114	GEN1119	6/4/14	33.3	6/4/14	6/4/24
63043	GEN1119	6/4/14	33.5	6/4/14	6/4/24
63780	GEN1119	6/4/14	20.2	6/4/14	6/4/24
65026	GEN1119	6/4/14	33.3	6/4/14	6/4/24
63051	GEN1119	6/4/14	17.2	6/4/14	6/4/24
63084	GEN1119	6/4/14	13.5	6/4/14	6/4/24
63069	GEN1119	6/4/14	11.7	6/4/14	6/4/24
63041	GEN1119	6/4/14	31.6	6/4/14	6/4/24
63041	GEN1119	6/4/14	8.3	6/4/14	6/4/24
63112	GEN1119	6/4/14	27.0	6/4/14	6/4/24
63363	GEN1119	6/5/14	3.4	6/5/14	6/5/24
63701	GEN1119	6/5/14	29.7	6/5/14	6/5/24
65072	GEN1119	6/5/14	13.1	6/5/14	6/5/24
64062	GEN1119	6/5/14	33.7	6/5/14	6/5/24
63740	GEN1119	6/5/14	17.5	6/5/14	6/5/24
63343	GEN1119	6/5/14	18.9	6/5/14	6/5/24
63640	GEN1119	6/5/14	32.9	6/5/14	6/5/24
63640	GEN1119	6/5/14	23.1	6/5/14	6/5/24
63628	GEN1119	6/5/14	18.9	6/5/14	6/5/24
63017	GEN1119	6/6/14	16.2	6/6/14	6/6/24
63084	GEN1119	6/6/14	15.1	6/6/14	6/6/24
63069	GEN1119	6/6/14	29.2	6/6/14	6/6/24
63366	GEN1119	6/6/14	33.5	6/6/14	6/6/24
63074	GEN1119	6/6/14	33.3	6/6/14	6/6/24

63077	GEN1119	6/6/14	17.2	6/6/14	6/6/24
63090	GEN1119	6/6/14	26.1	6/6/14	6/6/24
63028	GEN1119	6/6/14	14.9	6/6/14	6/6/24
63055	GEN1119	6/6/14	33.7	6/6/14	6/6/24
63010	GEN1119	6/6/14	13.5	6/6/14	6/6/24
63130	GEN1119	6/6/14	33.4	6/6/14	6/6/24
63143	GEN1119	6/6/14	33.7	6/6/14	6/6/24
63383	GEN1119	6/6/14	33.7	6/6/14	6/6/24
63144	GEN1119	6/6/14	4.0	6/6/14	6/6/24
63055	GEN1119	6/6/14	23.6	6/6/14	6/6/24
63114	GEN1119	6/6/14	33.3	6/6/14	6/6/24
63049	GEN1119	6/7/14	34.4	6/7/14	6/7/24
63301	GEN1119	6/7/14	33.3	6/7/14	6/7/24
63049	GEN1119	6/7/14	34.4	6/7/14	6/7/24
63376	GEN1119	6/7/14	28.5	6/7/14	6/7/24
63301	GEN1119	6/7/14	33.3	6/7/14	6/7/24
63051	GEN1119	6/7/14	34.4	6/7/14	6/7/24
63051	GEN1119	6/7/14	34.4	6/7/14	6/7/24
63133	GEN1119	6/9/14	33.4	6/9/14	6/9/24
63026	GEN1119	6/9/14	5.4	6/9/14	6/9/24
63070	GEN1119	6/9/14	33.4	6/9/14	6/9/24
63070	GEN1119	6/9/14	33.4	6/9/14	6/9/24
63136	GEN1119	6/9/14	18.2	6/9/14	6/9/24
63069	GEN1119	6/9/14	33.2	6/9/14	6/9/24

63301	GEN1119	6/9/14	33.3	6/9/14	6/9/24
63301	GEN1119	6/9/14	33.3	6/9/14	6/9/24
63089	GEN1119	6/9/14	27.7	6/9/14	6/9/24
63010	GEN1119	6/9/14	34.3	6/9/14	6/9/24
63301	GEN1119	6/9/14	33.3	6/9/14	6/9/24
63049	GEN1119	6/9/14	34.4	6/9/14	6/9/24
63025	GEN1119	6/9/14	4.7	6/9/14	6/9/24
63385	GEN1119	6/9/14	34.3	6/9/14	6/9/24
63385	GEN1119	6/9/14	34.3	6/9/14	6/9/24
63385	GEN1119	6/9/14	34.3	6/9/14	6/9/24
63130	GEN1119	6/9/14	33.7	6/9/14	6/9/24
63368	GEN1119	6/9/14	10.3	6/9/14	6/9/24
63025	GEN1119	6/9/14	10.3	6/9/14	6/9/24
63114	GEN1119	6/9/14	33.3	6/9/14	6/9/24
63137	GEN1119	6/9/14	33.3	6/9/14	6/9/24
63376	GEN1119	6/9/14	11.5	6/9/14	6/9/24
63130	GEN1119	6/10/14	33.7	6/10/14	6/10/24
63146	GEN1119	6/10/14	34.6	6/10/14	6/10/24
63020	GEN1119	6/10/14	34.3	6/10/14	6/10/24
63043	GEN1119	6/10/14	33.7	6/10/14	6/10/24
63010	GEN1119	6/10/14	20.2	6/10/14	6/10/24
63834	GEN1119	6/10/14	14.2	6/10/14	6/10/24
65265	GEN1119	6/11/14	33.3	6/11/14	6/11/24
65265	GEN1119	6/11/14	33.3	6/11/14	6/11/24

63873	GEN1119	6/11/14	34.0	6/11/14	6/11/24
63873	GEN1119	6/11/14	32.9	6/11/14	6/11/24
63873	GEN1119	6/11/14	25.6	6/11/14	6/11/24
65265	GEN1119	6/11/14	33.3	6/11/14	6/11/24
63376	GEN1119	6/12/14	34.2	6/12/14	6/12/24
63005	GEN1119	6/12/14	10.7	6/12/14	6/12/24
63124	GEN1119	6/12/14	7.6	6/12/14	6/12/24
63110	GEN1119	6/12/14	29.6	6/12/14	6/12/24
63025	GEN1119	6/12/14	19.9	6/12/14	6/12/24
63129	GEN1119	6/12/14	25.6	6/12/14	6/12/24
63366	GEN1119	6/12/14	25.5	6/12/14	6/12/24
63051	GEN1119	6/12/14	22.7	6/12/14	6/12/24
63051	GEN1119	6/12/14	34.4	6/12/14	6/12/24
63332	GEN1119	6/12/14	13.8	6/12/14	6/12/24
64644	GEN1119	6/12/14	34.4	6/12/14	6/12/24
64497	GEN1119	6/12/14	33.7	6/12/14	6/12/24
63109	GEN1119	6/12/14	34.3	6/12/14	6/12/24
64644	GEN1119	6/12/14	34.4	6/12/14	6/12/24
63025	GEN1119	6/12/14	35.0	6/12/14	6/12/24
64024	GEN1119	6/12/14	25.6	6/13/14	6/13/24
63077	GEN1119	6/13/14	33.7	6/13/14	6/13/24
65270	GEN1119	6/13/14	7.4	6/13/14	6/13/24
63501	GEN1119	6/13/14	31.0	6/13/14	6/13/24
63701	GEN1119	6/13/14	15.2	6/13/14	6/13/24

63301	GEN1119	6/13/14	8.9	6/13/14	6/13/24
63873	GEN1119	6/13/14	33.6	6/13/14	6/13/24
63016	GEN1119	6/13/14	17.2	6/13/14	6/13/24
63130	GEN1119	6/13/14	33.7	6/13/14	6/13/24
63650	GEN1119	6/13/14	21.1	6/13/14	6/13/24
63023	GEN1119	6/13/14	34.0	6/13/14	6/13/24
63128	GEN1119	6/14/14	18.2	6/14/14	6/14/24
63701	GEN1119	6/14/14	21.0	6/14/14	6/14/24
63108	GEN1119	6/14/14	5.2	6/14/14	6/14/24
63017	GEN1119	6/16/14	13.3	6/16/14	6/16/24
63084	GEN1119	6/16/14	18.9	6/16/14	6/16/24
63005	GEN1119	6/16/14	13.1	6/16/14	6/16/24
63301	GEN1119	6/16/14	33.3	6/16/14	6/16/24
63301	GEN1119	6/16/14	33.3	6/16/14	6/16/24
63005	GEN1119	6/16/14	24.4	6/16/14	6/16/24
63301	GEN1119	6/16/14	33.3	6/16/14	6/16/24
63301	GEN1119	6/16/14	33.3	6/16/14	6/16/24
65043	GEN1119	6/16/14	33.4	6/16/14	6/16/24
65043	GEN1119	6/16/14	33.7	6/16/14	6/16/24
65043	GEN1119	6/16/14	33.1	6/16/14	6/16/24
63341	GEN1119	6/16/14	33.0	6/16/14	6/16/24
63043	GEN1119	6/16/14	33.7	6/16/14	6/16/24
63045	GEN1119	6/16/14	33.7	6/16/14	6/16/24
63701	GEN1119	6/16/14	33.7	6/16/14	6/16/24

63020	GEN1119	6/16/14	13.1	6/16/14	6/16/24
63089	GEN1119	6/16/14	20.0	6/16/14	6/16/24
63090	GEN1119	6/16/14	24.8	6/16/14	6/16/24
63077	GEN1119	6/16/14	28.8	6/16/14	6/16/24
63703	GEN1119	6/16/14	39.1	6/16/14	6/16/24
63125	GEN1119	6/16/14	13.4	6/16/14	6/16/24
63385	GEN1119	6/17/14	33.3	6/17/14	6/17/24
63050	GEN1119	6/17/14	15.1	6/17/14	6/17/24
63385	GEN1119	6/17/14	26.8	6/17/14	6/17/24
63011	GEN1119	6/17/14	33.3	6/17/14	6/17/24
63011	GEN1119	6/17/14	33.3	6/17/14	6/17/24
63020	GEN1119	6/17/14	13.5	6/17/14	6/17/24
63026	GEN1119	6/17/14	34.0	6/17/14	6/17/24
63017	GEN1119	6/17/14	10.8	6/17/14	6/17/24
63026	GEN1119	6/17/14	18.9	6/17/14	6/17/24
63143	GEN1119	6/17/14	7.1	6/17/14	6/17/24
63368	GEN1119	6/17/14	10.3	6/17/14	6/17/24
63069	GEN1119	6/17/14	16.5	6/17/14	6/17/24
63128	GEN1119	6/17/14	17.5	6/17/14	6/17/24
63111	GEN1119	6/17/14	4.1	6/17/14	6/17/24
63111	GEN1119	6/17/14	4.1	6/17/14	6/17/24
63051	GEN1119	6/17/14	33.4	6/17/14	6/17/24
63120	GEN1119	6/17/14	30.4	6/17/14	6/17/24
63026	GEN1119	6/17/14	13.4	6/17/14	6/17/24



63043	GEN1119	6/17/14	13.3	6/17/14	6/17/24
63011	GEN1119	6/17/14	12.4	6/17/14	6/17/24
65084	GEN1119	6/18/14	34.1	6/18/14	6/18/24
65084	GEN1119	6/18/14	33.6	6/18/14	6/18/24
63383	GEN1119	6/18/14	23.6	6/18/14	6/18/24
63010	GEN1119	6/18/14	20.2	6/18/14	6/18/24
65043	GEN1119	6/18/14	35.1	6/18/14	6/18/24
63104	GEN1119	6/18/14	23.5	6/18/14	6/18/24
63104	GEN1119	6/18/14	34.0	6/18/14	6/18/24
63044	GEN1119	6/18/14	9.9	6/18/14	6/18/24
63050	GEN1119	6/18/14	9.8	6/18/14	6/18/24
63376	GEN1119	6/18/14	12.8	6/18/14	6/18/24
63050	GEN1119	6/18/14	13.1	6/18/14	6/18/24
63338	GEN1119	6/18/14	27.5	6/18/14	6/18/24
63115	GEN1119	6/18/14	34.3	6/18/14	6/18/24
63129	GEN1119	6/18/14	30.9	6/18/14	6/18/24
63130	GEN1119	6/18/14	33.7	6/18/14	6/18/24
63147	GEN1119	6/18/14	33.7	6/18/14	6/18/24
63017	GEN1119	6/18/14	33.7	6/18/14	6/18/24
63780	GEN1119	6/18/14	15.9	6/18/14	6/18/24
63701	GEN1119	6/18/14	33.7	6/18/14	6/18/24
63141	GEN1119	6/18/14	33.7	6/18/14	6/18/24
63026	GEN1119	6/18/14	34.4	6/18/14	6/18/24
63132	GEN1119	6/19/14	33.7	6/19/14	6/19/24

63848	GEN1119	6/19/14	33.8	6/19/14	6/19/24
65265	GEN1119	6/19/14	33.3	6/19/14	6/19/24
63301	GEN1119	6/19/14	33.3	6/19/14	6/19/24
65043	GEN1119	6/19/14	33.1	6/19/14	6/19/24
63118	GEN1119	6/19/14	7.1	6/19/14	6/19/24
63017	GEN1119	6/19/14	18.2	6/19/14	6/19/24
63116	GEN1119	6/19/14	33.7	6/19/14	6/19/24
63376	GEN1119	6/19/14	11.1	6/19/14	6/19/24
63147	GEN1119	6/19/14	33.7	6/19/14	6/19/24
63011	GEN1119	6/19/14	21.2	6/19/14	6/19/24
63304	GEN1119	6/19/14	9.8	6/19/14	6/19/24
63114	GEN1119	6/19/14	33.3	6/19/14	6/19/24
63023	GEN1119	6/20/14	18.9	6/20/14	6/20/24
63834	GEN1119	6/20/14	33.4	6/20/14	6/20/24
63701	GEN1119	6/20/14	33.7	6/20/14	6/20/24
63301	GEN1119	6/20/14	33.3	6/20/14	6/20/24
65043	GEN1119	6/20/14	32.4	6/20/14	6/20/24
65043	GEN1119	6/20/14	33.1	6/20/14	6/20/24
63084	GEN1119	6/20/14	16.5	6/20/14	6/20/24
65049	GEN1119	6/20/14	13.5	6/20/14	6/20/24
63050	GEN1119	6/20/14	21.9	6/20/14	6/20/24
63301	GEN1119	6/20/14	33.3	6/20/14	6/20/24
63701	GEN1119	6/20/14	25.3	6/20/14	6/20/24
63043	GEN1119	6/21/14	16.2	6/21/14	6/21/24

63123	GEN1119	6/21/14	33.7	6/21/14	6/21/24
63031	GEN1119	6/21/14	6.2	6/21/14	6/21/24
63044	GEN1119	6/21/14	27.7	6/21/14	6/21/24
63131	GEN1119	6/21/14	6.5	6/21/14	6/21/24
63139	GEN1119	6/21/14	5.8	6/21/14	6/21/24
63141	GEN1119	6/21/14	14.2	6/21/14	6/21/24
63112	GEN1119	6/21/14	33.7	6/21/14	6/21/24
63010	GEN1119	6/22/14	33.7	6/22/14	6/22/24
63077	GEN1119	6/23/14	18.6	6/23/14	6/23/24
63848	GEN1119	6/23/14	33.7	6/23/14	6/23/24
63108	GEN1119	6/23/14	3.2	6/23/14	6/23/24
63077	GEN1119	6/23/14	13.1	6/23/14	6/23/24
63077	GEN1119	6/23/14	13.8	6/23/14	6/23/24
63023	GEN1119	6/23/14	8.9	6/23/14	6/23/24
63050	GEN1119	6/23/14	37.2	6/23/14	6/23/24
63026	GEN1119	6/24/14	10.3	6/24/14	6/24/24
63141	GEN1119	6/24/14	33.4	6/24/14	6/24/24
63123	GEN1119	6/24/14	33.3	6/24/14	6/24/24
63089	GEN1119	6/24/14	10.3	6/24/14	6/24/24
63701	GEN1119	6/24/14	16.5	6/24/14	6/24/24
63366	GEN1119	6/24/14	34.3	6/24/14	6/24/24
63030	GEN1119	6/24/14	13.0	6/24/14	6/24/24
63084	GEN1119	6/24/14	34.1	6/24/14	6/24/24
63026	GEN1119	6/24/14	6.3	6/24/14	6/24/24

63026	GEN1119	6/24/14	21.9	6/24/14	6/24/24
63033	GEN1119	6/24/14	21.2	6/24/14	6/24/24
63005	GEN1119	6/24/14	34.4	6/24/14	6/24/24
63005	GEN1119	6/24/14	33.7	6/24/14	6/24/24
63125	GEN1119	6/24/14	33.5	6/24/14	6/24/24
63125	GEN1119	6/24/14	33.5	6/24/14	6/24/24
63084	GEN1119	6/24/14	34.4	6/24/14	6/24/24
63084	GEN1119	6/24/14	27.5	6/24/14	6/24/24
63301	GEN1119	6/24/14	4.5	6/24/14	6/24/24
63010	GEN1119	6/24/14	19.2	6/24/14	6/24/24
63848	GEN1119	6/24/14	33.6	6/24/14	6/24/24
63379	GEN1119	6/24/14	33.7	6/24/14	6/24/24
63110	GEN1119	6/24/14	33.7	6/24/14	6/24/24
63110	GEN1119	6/24/14	33.7	6/24/14	6/24/24
63110	GEN1119	6/24/14	33.7	6/24/14	6/24/24
63110	GEN1119	6/24/14	33.7	6/24/14	6/24/24
64497	GEN1119	6/24/14	33.7	6/24/14	6/24/24
63385	GEN1119	6/24/14	34.4	6/24/14	6/24/24
63385	GEN1119	6/24/14	34.4	6/24/14	6/24/24
63005	GEN1119	6/24/14	33.2	6/24/14	6/24/24
63021	GEN1119	6/24/14	6.9	6/24/14	6/24/24
64474	GEN1119	6/24/14	34.4	6/24/14	6/24/24
64469	GEN1119	6/24/14	33.7	6/24/14	6/24/24
65026	GEN1119	6/24/14	33.3	6/24/14	6/24/24

63141	GEN1119	6/25/14	34.4	6/25/14	6/25/24
63131	GEN1119	6/25/14	33.3	6/25/14	6/25/24
63005	GEN1119	6/25/14	34.4	6/25/14	6/25/24
63133	GEN1119	6/25/14	33.3	6/25/14	6/25/24
63011	GEN1119	6/25/14	33.3	6/25/14	6/25/24
63834	GEN1119	6/25/14	33.7	6/25/14	6/25/24
64644	GEN1119	6/25/14	13.5	6/25/14	6/25/24
64644	GEN1119	6/25/14	6.7	6/25/14	6/25/24
63043	GEN1119	6/25/14	33.3	6/25/14	6/25/24
65066	GEN1119	6/25/14	13.2	6/25/14	6/25/24
63069	GEN1119	6/25/14	20.6	6/25/14	6/25/24
63848	GEN1119	6/25/14	33.7	6/25/14	6/25/24
63089	GEN1119	6/25/14	27.5	6/25/14	6/25/24
63848	GEN1119	6/25/14	11.6	6/25/14	6/25/24
63117	GEN1119	6/25/14	4.8	6/25/14	6/25/24
63701	GEN1119	6/25/14	20.6	6/25/14	6/25/24
63134	GEN1119	6/25/14	33.7	6/25/14	6/25/24
63069	GEN1119	6/25/14	34.6	6/25/14	6/25/24
65026	GEN1119	6/26/14	33.3	6/26/14	6/26/24
65026	GEN1119	6/26/14	33.3	6/26/14	6/26/24
63104	GEN1119	6/26/14	33.7	6/26/14	6/26/24
65026	GEN1119	6/26/14	33.3	6/26/14	6/26/24
63701	GEN1119	6/26/14	27.0	6/26/14	6/26/24
63110	GEN1119	6/26/14	33.7	6/26/14	6/26/24

63368	GEN1119	6/26/14	19.3	6/26/14	6/26/24
65026	GEN1119	6/26/14	33.3	6/26/14	6/26/24
63051	GEN1119	6/26/14	5.4	6/26/14	6/26/24
63084	GEN1119	6/26/14	13.5	6/26/14	6/26/24
65026	GEN1119	6/26/14	33.3	6/26/14	6/26/24
63011	GEN1119	6/27/14	6.7	6/27/14	6/27/24
63012	GEN1119	6/27/14	33.4	6/27/14	6/27/24
63301	GEN1119	6/27/14	33.3	6/27/14	6/27/24
63049	GEN1119	6/27/14	34.4	6/27/14	6/27/24
63012	GEN1119	6/27/14	20.2	6/27/14	6/27/24
65101	GEN1119	6/27/14	32.4	6/27/14	6/27/24
63052	GEN1119	6/27/14	33.7	6/27/14	6/27/24
63601	GEN1119	6/27/14	20.0	6/27/14	6/27/24
65109	GEN1119	6/27/14	7.1	6/27/14	6/27/24
63116	GEN1119	6/27/14	18.9	6/27/14	6/27/24
63010	GEN1119	6/27/14	20.2	6/27/14	6/27/24
63027	GEN1119	6/27/14	16.9	6/27/14	6/27/24
63051	GEN1119	6/27/14	34.4	6/27/14	6/27/24
63052	GEN1119	6/27/14	26.3	6/27/14	6/27/24
63125	GEN1119	6/27/14	33.5	6/27/14	6/27/24
63028	GEN1119	6/29/14	34.6	6/29/14	6/29/24
64644	GEN1119	6/30/14	33.7	6/30/14	6/30/24
63021	GEN1119	6/30/14	9.8	6/30/14	6/30/24
63357	GEN1119	6/30/14	30.6	6/30/14	6/30/24

63357	GEN1119	6/30/14	34.4	6/30/14	6/30/24
63736	GEN1119	6/30/14	13.5	6/30/14	6/30/24
65109	GEN1119	6/30/14	7.3	6/30/14	6/30/24
65101	GEN1119	6/30/14	41.6	6/30/14	6/30/24
63701	GEN1119	6/30/14	16.9	6/30/14	6/30/24
63701	GEN1119	6/30/14	14.2	6/30/14	6/30/24
63043	GEN1119	6/30/14	6.9	6/30/14	6/30/24
63090	GEN1119	6/30/14	33.0	6/30/14	6/30/24
63110	GEN1119	6/30/14	34.4	6/30/14	6/30/24
63332	GEN1119	6/30/14	16.5	6/30/14	6/30/24
63060	GEN1119	6/30/14	33.7	6/30/14	6/30/24
63125	GEN1119	6/30/14	8.2	6/30/14	6/30/24
65233	GEN1119	6/30/14	34.3	6/30/14	6/30/24
63042	GEN1119	6/30/14	8.1	6/30/14	6/30/24
63701	GEN1119	6/30/14	40.8	6/30/14	6/30/24
63088	GEN1119	6/30/14	12.1	6/30/14	6/30/24
63366	GEN1119	6/30/14	15.2	6/30/14	6/30/24
63376	GEN1119	6/30/14	32.4	6/30/14	6/30/24
63125	GEN1119	6/30/14	33.5	6/30/14	6/30/24
63822	GEN1119	7/1/14	18.9	7/1/14	7/1/24
63044	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63841	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63044	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63334	GEN1119	7/1/14	9.1	7/1/14	7/1/24

63017	GEN1119	7/1/14	22.9	7/1/14	7/1/24
63031	GEN1119	7/1/14	34.6	7/1/14	7/1/24
63031	GEN1119	7/1/14	33.3	7/1/14	7/1/24
63043	GEN1119	7/1/14	20.2	7/1/14	7/1/24
63017	GEN1119	7/1/14	34.4	7/1/14	7/1/24
63017	GEN1119	7/1/14	34.4	7/1/14	7/1/24
65101	GEN1119	7/1/14	24.8	7/1/14	7/1/24
63852	GEN1119	7/1/14	14.2	7/1/14	7/1/24
63110	GEN1119	7/1/14	34.4	7/1/14	7/1/24
63143	GEN1119	7/1/14	3.4	7/1/14	7/1/24
63303	GEN1119	7/1/14	33.3	7/1/14	7/1/24
63129	GEN1119	7/1/14	5.4	7/1/14	7/1/24
63110	GEN1119	7/1/14	10.9	7/1/14	7/1/24
63014	GEN1119	7/1/14	18.9	7/1/14	7/1/24
63068	GEN1119	7/1/14	16.5	7/1/14	7/1/24
63110	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63110	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63051	GEN1119	7/1/14	31.7	7/1/14	7/1/24
63110	GEN1119	7/1/14	34.4	7/1/14	7/1/24
63134	GEN1119	7/1/14	28.3	7/1/14	7/1/24
63703	GEN1119	7/1/14	14.2	7/1/14	7/1/24
65024	GEN1119	7/1/14	33.3	7/1/14	7/1/24
65024	GEN1119	7/1/14	34.3	7/1/14	7/1/24
63139	GEN1119	7/1/14	7.0	7/1/14	7/1/24



63129	GEN1119	7/1/14	33.3	7/1/14	7/1/24
63026	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63119	GEN1119	7/1/14	34.4	7/1/14	7/1/24
63119	GEN1119	7/1/14	34.4	7/1/14	7/1/24
63119	GEN1119	7/1/14	18.9	7/1/14	7/1/24
63132	GEN1119	7/1/14	33.7	7/1/14	7/1/24
63128	GEN1119	7/1/14	11.8	7/1/14	7/1/24
63123	GEN1119	7/2/14	34.3	7/2/14	7/2/24
63020	GEN1119	7/2/14	23.4	7/2/14	7/2/24
63376	GEN1119	7/2/14	13.8	7/2/14	7/2/24
63110	GEN1119	7/2/14	33.7	7/2/14	7/2/24
63366	GEN1119	7/2/14	17.6	7/2/14	7/2/24
63851	GEN1119	7/2/14	33.8	7/2/14	7/2/24
63119	GEN1119	7/2/14	33.7	7/2/14	7/2/24
65041	GEN1119	7/2/14	11.2	7/2/14	7/2/24
63104	GEN1119	7/2/14	22.3	7/2/14	7/2/24
63368	GEN1119	7/2/14	13.0	7/2/14	7/2/24
63060	GEN1119	7/2/14	34.4	7/2/14	7/2/24
63103	GEN1119	7/2/14	25.5	7/2/14	7/2/24
63123	GEN1119	7/2/14	4.2	7/2/14	7/2/24
63301	GEN1119	7/2/14	33.3	7/2/14	7/2/24
63069	GEN1119	7/2/14	13.8	7/2/14	7/2/24
63089	GEN1119	7/2/14	17.2	7/2/14	7/2/24
63385	GEN1119	7/2/14	21.9	7/2/14	7/2/24

63110	GEN1119	7/2/14	33.7	7/2/14	7/2/24
63376	GEN1119	7/2/14	33.7	7/2/14	7/2/24
63366	GEN1119	7/2/14	10.3	7/2/14	7/2/24
63084	GEN1119	7/2/14	33.7	7/2/14	7/2/24
63072	GEN1119	7/2/14	24.8	7/2/14	7/2/24
63332	GEN1119	7/3/14	24.8	7/3/14	7/3/24
63132	GEN1119	7/3/14	33.4	7/3/14	7/3/24
63132	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63650	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63303	GEN1119	7/3/14	18.9	7/3/14	7/3/24
63084	GEN1119	7/3/14	16.6	7/3/14	7/3/24
63044	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63626	GEN1119	7/3/14	28.7	7/3/14	7/3/24
63332	GEN1119	7/3/14	7.6	7/3/14	7/3/24
63141	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63141	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63301	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63119	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63069	GEN1119	7/3/14	16.5	7/3/14	7/3/24
63332	GEN1119	7/3/14	15.1	7/3/14	7/3/24
63108	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63090	GEN1119	7/3/14	20.6	7/3/14	7/3/24
63332	GEN1119	7/3/14	6.9	7/3/14	7/3/24
63140	GEN1119	7/3/14	27.3	7/3/14	7/3/24

63005	GEN1119	7/3/14	33.7	7/3/14	7/3/24
63139	GEN1119	7/3/14	34.4	7/3/14	7/3/24
63873	GEN1119	7/6/14	33.7	7/6/14	7/6/24
63090	GEN1119	7/7/14	23.6	7/7/14	7/7/24
69265	GEN1119	7/7/14	34.4	7/7/14	7/7/24
63110	GEN1119	7/7/14	21.0	7/7/14	7/7/24
63017	GEN1119	7/7/14	34.6	7/7/14	7/7/24
63038	GEN1119	7/7/14	34.1	7/7/14	7/7/24
63010	GEN1119	7/7/14	34.0	7/7/14	7/7/24
63141	GEN1119	7/7/14	33.7	7/7/14	7/7/24
63141	GEN1119	7/7/14	33.7	7/7/14	7/7/24
63026	GEN1119	7/7/14	16.5	7/7/14	7/7/24
63090	GEN1119	7/7/14	33.7	7/7/14	7/7/24
65026	GEN1119	7/7/14	33.3	7/7/14	7/7/24
63089	GEN1119	7/7/14	16.5	7/7/14	7/7/24
63108	GEN1119	7/7/14	33.7	7/7/14	7/7/24
63112	GEN1119	7/7/14	33.7	7/7/14	7/7/24
63112	GEN1119	7/7/14	33.7	7/7/14	7/7/24
63015	GEN1119	7/7/14	22.7	7/7/14	7/7/24
63134	GEN1119	7/7/14	33.7	7/7/14	7/7/24
63141	GEN1119	7/7/14	18.9	7/7/14	7/7/24
65026	GEN1119	7/7/14	33.3	7/7/14	7/7/24
63010	GEN1119	7/7/14	17.0	7/7/14	7/7/24
63112	GEN1119	7/8/14	33.7	7/8/14	7/8/24

63112	GEN1119	7/8/14	33.7	7/8/14	7/8/24
63701	GEN1119	7/8/14	33.4	7/8/14	7/8/24
63005	GEN1119	7/8/14	34.0	7/8/14	7/8/24
63385	GEN1119	7/8/14	68.8	7/8/14	7/8/24
63132	GEN1119	7/8/14	22.9	7/8/14	7/8/24
63090	GEN1119	7/9/14	6.5	7/9/14	7/9/24
63112	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63055	GEN1119	7/9/14	32.4	7/9/14	7/9/24
63103	GEN1119	7/9/14	22.4	7/9/14	7/9/24
63025	GEN1119	7/9/14	17.9	7/9/14	7/9/24
63034	GEN1119	7/9/14	10.1	7/9/14	7/9/24
63701	GEN1119	7/9/14	33.4	7/9/14	7/9/24
63026	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63701	GEN1119	7/9/14	16.5	7/9/14	7/9/24
63303	GEN1119	7/9/14	33.2	7/9/14	7/9/24
63052	GEN1119	7/9/14	7.9	7/9/14	7/9/24
63103	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63103	GEN1119	7/9/14	6.7	7/9/14	7/9/24
63103	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63103	GEN1119	7/9/14	22.9	7/9/14	7/9/24
63103	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63144	GEN1119	7/9/14	13.4	7/9/14	7/9/24
63118	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63139	GEN1119	7/9/14	34.0	7/9/14	7/9/24

63119	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63129	GEN1119	7/9/14	20.6	7/9/14	7/9/24
63012	GEN1119	7/9/14	13.4	7/9/14	7/9/24
63131	GEN1119	7/9/14	34.4	7/9/14	7/9/24
63131	GEN1119	7/9/14	34.4	7/9/14	7/9/24
63089	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63703	GEN1119	7/9/14	26.3	7/9/14	7/9/24
63050	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63050	GEN1119	7/9/14	27.0	7/9/14	7/9/24
63020	GEN1119	7/9/14	33.3	7/9/14	7/9/24
63703	GEN1119	7/9/14	32.9	7/9/14	7/9/24
63361	GEN1119	7/9/14	30.4	7/9/14	7/9/24
63103	GEN1119	7/9/14	34.4	7/9/14	7/9/24
63025	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63025	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63383	GEN1119	7/9/14	33.4	7/9/14	7/9/24
63105	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63105	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63123	GEN1119	7/9/14	5.7	7/9/14	7/9/24
63055	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63052	GEN1119	7/9/14	33.7	7/9/14	7/9/24
63123	GEN1119	7/9/14	24.3	7/9/14	7/9/24
63108	GEN1119	7/10/14	20.4	7/10/14	7/10/24
63134	GEN1119	7/10/14	68.5	7/10/14	7/10/24

63134	GEN1119	7/10/14	68.5	7/10/14	7/10/24
63129	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63852	GEN1119	7/10/14	33.6	7/10/14	7/10/24
63127	GEN1119	7/10/14	33.2	7/10/14	7/10/24
63841	GEN1119	7/10/14	11.9	7/10/14	7/10/24
63146	GEN1119	7/10/14	20.4	7/10/14	7/10/24
63017	GEN1119	7/10/14	33.2	7/10/14	7/10/24
63011	GEN1119	7/10/14	34.4	7/10/14	7/10/24
63017	GEN1119	7/10/14	22.1	7/10/14	7/10/24
63069	GEN1119	7/10/14	27.0	7/10/14	7/10/24
63017	GEN1119	7/10/14	34.4	7/10/14	7/10/24
63385	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63852	GEN1119	7/10/14	17.7	7/10/14	7/10/24
63852	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63304	GEN1119	7/10/14	34.4	7/10/14	7/10/24
63103	GEN1119	7/10/14	35.6	7/10/14	7/10/24
63072	GEN1119	7/10/14	18.6	7/10/14	7/10/24
63368	GEN1119	7/10/14	11.7	7/10/14	7/10/24
63125	GEN1119	7/10/14	34.4	7/10/14	7/10/24
63049	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63021	GEN1119	7/10/14	33.6	7/10/14	7/10/24
63119	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63021	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63110	GEN1119	7/10/14	13.5	7/10/14	7/10/24

63130	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63130	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63130	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63090	GEN1119	7/10/14	18.9	7/10/14	7/10/24
63023	GEN1119	7/10/14	17.2	7/10/14	7/10/24
63114	GEN1119	7/10/14	34.0	7/10/14	7/10/24
63114	GEN1119	7/10/14	33.5	7/10/14	7/10/24
63117	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63366	GEN1119	7/10/14	33.4	7/10/14	7/10/24
63366	GEN1119	7/10/14	33.4	7/10/14	7/10/24
63852	GEN1119	7/10/14	33.7	7/10/14	7/10/24
63848	GEN1119	7/10/14	17.7	7/10/14	7/10/24
63132	GEN1119	7/11/14	13.8	7/11/14	7/11/24
63141	GEN1119	7/11/14	33.7	7/11/14	7/11/24
63132	GEN1119	7/11/14	33.4	7/11/14	7/11/24
63361	GEN1119	7/11/14	23.3	7/11/14	7/11/24
63141	GEN1119	7/11/14	33.7	7/11/14	7/11/24
63353	GEN1119	7/11/14	33.7	7/11/14	7/11/24
63353	GEN1119	7/11/14	33.7	7/11/14	7/11/24
63044	GEN1119	7/11/14	16.9	7/11/14	7/11/24
63043	GEN1119	7/11/14	33.3	7/11/14	7/11/24
63640	GEN1119	7/11/14	33.7	7/11/14	7/11/24
63353	GEN1119	7/11/14	33.7	7/11/14	7/11/24
63801	GEN1119	7/11/14	33.7	7/11/14	7/11/24

63701	GEN1119	7/11/14	34.4	7/11/14	7/11/24
63601	GEN1119	7/11/14	4.3	7/11/14	7/11/24
63601	GEN1119	7/11/14	4.3	7/11/14	7/11/24
63601	GEN1119	7/11/14	3.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	3.1	7/11/14	7/11/24
63601	GEN1119	7/11/14	5.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	3.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	3.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	7.8	7/11/14	7/11/24
63601	GEN1119	7/11/14	5.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	5.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	7.8	7/11/14	7/11/24
63601	GEN1119	7/11/14	5.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	7.8	7/11/14	7/11/24
63601	GEN1119	7/11/14	5.5	7/11/14	7/11/24
63601	GEN1119	7/11/14	3.9	7/11/14	7/11/24
63601	GEN1119	7/11/14	2.3	7/11/14	7/11/24
63640	GEN1119	7/11/14	21.4	7/11/14	7/11/24
63780	GEN1119	7/11/14	18.9	7/11/14	7/11/24
63132	GEN1119	7/14/14	27.7	7/14/14	7/14/24
63146	GEN1119	7/14/14	33.7	7/14/14	7/14/24
63348	GEN1119	7/14/14	33.7	7/14/14	7/14/24
63640	GEN1119	7/14/14	30.7	7/14/14	7/14/24
63601	GEN1119	7/14/14	3.9	7/14/14	7/14/24



63105	GEN1119	7/14/14	33.7	7/14/14	7/14/24
63026	GEN1119	7/14/14	7.9	7/14/14	7/14/24
63031	GEN1119	7/15/14	6.3	7/15/14	7/15/24
63127	GEN1119	7/15/14	33.7	7/15/14	7/15/24
63127	GEN1119	7/15/14	33.7	7/15/14	7/15/24
63333	GEN1119	7/15/14	33.7	7/15/14	7/15/24
63501	GEN1119	7/15/14	33.7	7/15/14	7/15/24
63501	GEN1119	7/15/14	16.9	7/15/14	7/15/24
63118	GEN1119	7/15/14	32.8	7/15/14	7/15/24
63118	GEN1119	7/15/14	32.8	7/15/14	7/15/24
63118	GEN1119	7/15/14	19.4	7/15/14	7/15/24
63701	GEN1119	7/15/14	33.7	7/15/14	7/15/24
63701	GEN1119	7/15/14	33.7	7/15/14	7/15/24
63128	GEN1119	7/15/14	67.5	7/15/14	7/15/24
63123	GEN1119	7/15/14	34.4	7/15/14	7/15/24
63090	GEN1119	7/16/14	33.7	7/16/14	7/16/24
63038	GEN1119	7/16/14	28.0	7/16/14	7/16/24
63130	GEN1119	7/16/14	7.9	7/16/14	7/16/24
63010	GEN1119	7/16/14	6.0	7/16/14	7/16/24
63830	GEN1119	7/16/14	33.7	7/16/14	7/16/24
63385	GEN1119	7/16/14	18.2	7/16/14	7/16/24
63031	GEN1119	7/16/14	33.4	7/16/14	7/16/24
63101	GEN1119	7/17/14	33.7	7/17/14	7/17/24
63090	GEN1119	7/17/14	6.5	7/17/14	7/17/24

63090	GEN1119	7/17/14	6.1	7/17/14	7/17/24
63090	GEN1119	7/17/14	6.1	7/17/14	7/17/24
63090	GEN1119	7/17/14	5.8	7/17/14	7/17/24
63069	GEN1119	7/17/14	13.1	7/17/14	7/17/24
63103	GEN1119	7/17/14	33.7	7/17/14	7/17/24
63010	GEN1119	7/17/14	14.8	7/17/14	7/17/24
63110	GEN1119	7/17/14	33.4	7/17/14	7/17/24
63042	GEN1119	7/18/14	33.4	7/18/14	7/18/24
63701	GEN1119	7/18/14	11.5	7/18/14	7/18/24
63049	GEN1119	7/18/14	33.7	7/18/14	7/18/24
63123	GEN1119	7/18/14	33.7	7/18/14	7/18/24
63134	GEN1119	7/18/14	68.5	7/18/14	7/18/24
63031	GEN1119	7/19/14	33.7	7/19/14	7/19/24
63084	GEN1119	7/21/14	21.7	7/21/14	7/21/24
63301	GEN1119	7/21/14	33.3	7/21/14	7/21/24
63068	GEN1119	7/21/14	33.0	7/21/14	7/21/24
63383	GEN1119	7/22/14	34.4	7/22/14	7/22/24
65322	GEN1119	7/22/14	40.1	7/22/14	7/22/24
63640	GEN1119	7/23/14	29.3	7/23/14	7/23/24
63640	GEN1119	7/23/14	6.1	7/23/14	7/23/24
63119	GEN1119	7/23/14	33.7	7/23/14	7/23/24
63055	GEN1119	7/23/14	8.9	7/23/14	7/23/24
63129	GEN1119	7/23/14	8.1	7/23/14	7/23/24
65026	GEN1119	7/24/14	33.7	7/24/14	7/24/24

63049	GEN1119	7/24/14	33.4	7/24/14	7/24/24
63780	GEN1119	7/24/14	26.0	7/24/14	7/24/24
63011	GEN1119	7/25/14	33.7	7/25/14	7/25/24
63090	GEN1119	7/25/14	33.7	7/25/14	7/25/24
63361	GEN1119	7/28/14	5.1	7/28/14	7/28/24
63070	GEN1119	7/28/14	14.8	7/28/14	7/28/24
63115	GEN1119	7/28/14	33.7	7/28/14	7/28/24
63020	GEN1119	7/29/14	13.1	7/29/14	7/29/24
63016	GEN1119	7/29/14	22.0	7/29/14	7/29/24
63016	GEN1119	7/29/14	11.0	7/29/14	7/29/24
63031	GEN1119	7/29/14	33.4	7/29/14	7/29/24
63124	GEN1119	7/30/14	132.8	7/30/14	7/30/24
63049	GEN1119	7/30/14	26.7	7/30/14	7/30/24
63108	GEN1119	7/30/14	23.6	7/30/14	7/30/24
63037	GEN1119	7/31/14	25.3	7/31/14	7/31/24
63112	GEN1119	7/31/14	33.7	7/31/14	7/31/24
63109	GEN1119	8/1/14	6.9	8/1/14	8/1/24
63131	GEN1119	8/2/14	33.7	8/2/14	8/2/24
63119	GEN1119	8/4/14	33.7	8/4/14	8/4/24
63119	GEN1119	8/4/14	33.7	8/4/14	8/4/24
63119	GEN1119	8/5/14	33.7	8/5/14	8/5/24
63123	GEN1119	8/5/14	13.2	8/5/14	8/5/24
63123	GEN1119	8/6/14	33.7	8/6/14	8/6/24
63026	GEN1119	8/9/14	33.7	8/9/14	8/9/24

63031	GEN1119	8/12/14	34.4	8/12/14	8/12/24
63123	GEN1119	8/13/14	29.0	8/13/14	8/13/24
63119	GEN1119	8/15/14	33.7	8/15/14	8/15/24
63114	GEN1119	8/15/14	34.0	8/15/14	8/15/24
63005	GEN1119	8/18/14	33.4	8/18/14	8/18/24
65065	GEN1119	8/19/14	34.1	8/19/14	8/19/24
65101	GEN1119	8/21/14	33.7	8/21/14	8/21/24
63113	GEN1119	8/22/14	34.4	8/22/14	8/22/24
63103	GEN1119	8/22/14	6.9	8/22/14	8/22/24
63011	GEN1119	8/29/14	5.4	8/29/14	8/29/24
63033	GEN1119	9/25/14	7.4	9/25/14	9/25/24
63109	GEN1119	9/25/14	6.1	9/25/14	9/25/24
63121	GEN1119	9/30/14	5.9	9/30/14	9/30/24
63383	GEN1119	10/1/14	33.4	10/1/14	10/1/24
63084	GEN1119	10/8/14	32.4	10/8/14	10/8/24
63031	GEN1119	10/8/14	9.3	10/8/14	10/8/24
63010	GEN1119	10/8/14	15.5	10/8/14	10/8/24
63129	GEN1119	10/8/14	10.3	10/8/14	10/8/24
63366	GEN1119	10/9/14	33.1	10/9/14	10/9/24
63012	GEN1119	10/9/14	33.4	10/9/14	10/9/24
63119	GEN1119	10/23/14	33.7	10/23/14	10/23/24
63303	GEN1119	10/29/14	16.2	10/29/14	10/29/24
63366	GEN1119	10/30/14	31.0	10/30/14	10/30/24
63501	GEN1119	11/1/14	33.7	11/1/14	11/1/24

63701	GEN1119	11/3/14	6.7	11/3/14	11/3/24
63131	GEN1119	11/5/14	8.3	11/5/14	11/5/24
63023	GEN1119	11/5/14	15.1	11/5/14	11/5/24
63010	GEN1119	11/10/14	15.2	11/10/14	11/10/24
64024	GEN1119	11/12/14	23.6	11/12/14	11/12/24
63303	GEN1119	11/13/14	10.3	11/13/14	11/13/24
63126	GEN1119	11/19/14	10.7	11/19/14	11/19/24
63017	GEN1119	11/19/14	12.4	11/19/14	11/19/24
63108	GEN1119	11/19/14	20.6	11/19/14	11/19/24
63021	GEN1119	11/19/14	13.2	11/19/14	11/19/24
63628	GEN1119	11/20/14	17.5	11/20/14	11/20/24
63028	GEN1119	11/24/14	33.3	11/24/14	11/24/24
63051	GEN1119	11/28/14	20.6	11/28/14	11/28/24
63021	GEN1119	12/1/14	13.2	12/1/14	12/1/24
63137	GEN1119	12/9/14	17.2	12/9/14	12/9/24
63069	GEN1119	12/11/14	8.4	12/11/14	12/11/24
63376	GEN1119	12/12/14	15.9	12/12/14	12/12/24
63132	GEN1119	12/15/14	10.0	12/15/14	12/15/24
63141	GEN1119	12/15/14	12.1	12/15/14	12/15/24
63848	GEN1119	12/16/14	33.8	12/16/14	12/16/24
63701	GEN1119	12/18/14	20.2	12/18/14	12/18/24
63640	GEN1119	12/23/14	23.6	12/23/14	12/23/24
65322	GEN1119	12/23/14	21.9	12/23/14	12/23/24
63368	GEN1119	12/26/14	33.5	12/26/14	12/26/24

63017	GEN1119	12/30/14	33.2	12/30/14	12/30/24
63043	GEN2204	7/16/10	2.8	6/3/14	6/3/24
63351	GEN2204	12/17/10	34.4	2/11/14	2/11/24
63146	GEN2204	12/9/11	7.8	2/24/14	2/24/24
63112	GEN2204	12/12/11	4.3	12/13/12	12/13/22
65109	GEN2204	1/13/12	2.9	4/4/14	4/4/24
63025	GEN2204	2/24/12	3.6	4/25/14	4/25/24
63366	GEN2204	5/17/12	8.3	5/18/12	5/18/22
63146	GEN2204	5/25/12	5.1	6/27/12	6/27/22
63701	GEN2204	6/26/12	9.5	6/27/12	6/27/22
63108	GEN2204	7/11/12	11.2	6/19/14	6/19/24
63143	GEN2204	7/16/12	16.5	4/1/14	4/1/24
63026	GEN2204	7/18/12	6.7	1/14/13	1/14/23
63109	GEN2204	8/15/12	2.6	2/4/14	2/4/24
63021	GEN2204	9/17/12	77.0	9/5/13	9/5/23
65101	GEN2204	9/18/12	10.9	1/9/14	1/9/24
65039	GEN2204	9/19/12	3.1	1/9/14	1/9/24
63010	GEN2204	9/26/12	6.7	3/27/14	3/27/24
63304	GEN2204	10/11/12	7.4	10/12/12	10/12/22
63109	GEN2204	11/6/12	17.1	11/6/12	11/5/23
63105	GEN2204	11/9/12	6.8	11/9/13	11/9/23
63044	GEN2204	11/26/12	31.3	11/26/12	11/26/23
63044	GEN2204	11/28/12	31.3	11/28/12	11/26/23
63049	GEN2204	12/7/12	4.0	6/6/14	6/6/24

63026	GEN2204	12/11/12	31.6	12/11/12	12/11/22
63026	GEN2204	12/11/12	31.6	12/11/12	12/11/22
63026	GEN2204	12/11/12	31.6	12/11/12	12/11/22
63366	GEN2204	12/12/12	31.9	1/2/14	1/2/24
63012	GEN2204	12/13/12	3.5	4/28/14	4/28/24
63043	GEN2204	12/14/12	22.4	12/14/12	12/12/23
63385	GEN2204	12/17/12	31.9	12/12/13	12/12/23
63366	GEN2204	12/17/12	31.9	12/12/13	12/12/23
63042	GEN2204	1/3/13	31.6	1/3/13	1/2/23
63045	GEN2204	1/3/13	31.9	1/1/14	1/1/24
63701	GEN2204	1/4/13	11.7	1/4/13	12/11/23
63701	GEN2204	1/4/13	12.3	1/4/13	12/12/23
63301	GEN2204	1/11/13	11.2	1/14/13	1/14/23
63016	GEN2204	1/14/13	12.4	1/14/13	1/14/23
63072	GEN2204	1/23/13	28.5	1/14/14	1/14/24
63640	GEN2204	2/1/13	15.8	2/1/13	1/14/23
65039	GEN2204	2/20/13	30.4	3/4/14	3/14/24
63108	GEN2204	2/26/13	31.6	3/6/13	3/6/23
63042	GEN2204	2/27/13	31.6	2/27/13	1/2/23
63128	GEN2204	2/28/13	6.8	3/25/13	3/25/23
63089	GEN2204	3/8/13	31.6	3/21/13	3/21/23
63089	GEN2204	3/8/13	18.6	3/21/13	3/21/23
63043	GEN2204	3/11/13	31.3	3/11/13	12/12/23
63348	GEN2204	4/2/13	13.0	4/4/13	4/4/23

63132	GEN2204	4/4/13	31.6	4/22/13	4/22/23
63124	GEN2204	4/9/13	31.3	4/22/13	4/22/23
63701	GEN2204	4/12/13	12.6	4/22/13	4/22/23
63130	GEN2204	4/15/13	15.5	4/22/13	4/22/23
63701	GEN2204	4/18/13	31.6	4/18/13	4/18/23
63834	GEN2204	4/18/13	12.6	4/22/13	4/22/23
63050	GEN2204	4/18/13	17.7	5/9/13	5/9/23
63701	GEN2204	4/22/13	16.5	4/22/13	4/22/23
63366	GEN2204	4/22/13	16.4	4/22/13	4/22/23
63129	GEN2204	4/30/13	11.2	4/30/13	4/30/23
63039	GEN2204	5/3/13	15.2	5/3/13	4/3/23
63701	GEN2204	5/6/13	19.0	5/6/13	5/6/23
63303	GEN2204	5/6/13	31.6	5/6/13	3/27/23
64422	GEN2204	5/6/13	29.1	5/6/13	5/6/23
63376	GEN2204	5/13/13	15.2	5/13/13	5/13/23
63118	GEN2204	5/14/13	31.7	5/14/13	5/14/23
63026	GEN2204	5/22/13	32.8	5/22/13	5/22/23
63366	GEN2204	5/24/13	12.8	5/24/13	5/24/23
63090	GEN2204	5/24/13	7.6	6/30/14	6/30/24
63135	GEN2204	5/29/13	3.0	5/30/13	5/30/23
63044	GEN2204	6/5/13	12.6	6/5/13	6/5/23
63028	GEN2204	6/5/13	32.3	6/5/13	6/5/23
63139	GEN2204	6/10/13	22.0	6/10/13	6/10/23
63139	GEN2204	6/10/13	22.0	6/10/13	6/10/23



63017	GEN2204	6/11/13	5.5	6/11/13	6/11/23
63141	GEN2204	6/13/13	22.4	6/13/13	6/13/23
63366	GEN2204	6/13/13	14.4	6/21/13	6/21/23
63103	GEN2204	6/19/13	23.4	6/19/13	6/19/23
63020	GEN2204	6/24/13	32.8	6/24/13	6/24/23
63146	GEN2204	6/25/13	7.2	6/25/13	6/25/23
63373	GEN2204	6/25/13	15.2	6/25/13	6/25/23
63640	GEN2204	6/28/13	29.7	6/28/13	6/28/23
63026	GEN2204	7/5/13	22.1	7/5/13	7/5/23
63069	GEN2204	7/8/13	31.7	7/8/13	7/8/23
63385	GEN2204	7/11/13	14.3	7/11/13	7/11/23
63090	GEN2204	7/11/13	12.6	7/11/13	7/11/23
63021	GEN2204	7/15/13	12.6	7/15/13	7/15/23
63033	GEN2204	7/16/13	12.6	7/16/13	7/16/23
63023	GEN2204	7/16/13	20.9	7/16/13	7/16/23
63090	GEN2204	7/17/13	16.4	7/17/13	7/17/23
63052	GEN2204	7/17/13	18.3	7/17/13	7/13/23
65049	GEN2204	7/18/13	13.6	7/18/13	7/18/23
63143	GEN2204	7/23/13	6.6	7/23/13	7/23/23
63128	GEN2204	7/25/13	26.3	7/25/13	7/25/23
65026	GEN2204	7/26/13	31.9	7/26/13	7/26/23
65240	GEN2204	7/31/13	36.4	7/31/13	7/31/23
63077	GEN2204	7/31/13	32.2	7/31/13	7/31/23
63755	GEN2204	7/31/13	12.6	7/31/14	7/31/24

63015	GEN2204	8/1/13	12.6	8/1/13	8/1/23
63052	GEN2204	8/1/13	12.1	8/2/13	8/2/23
63141	GEN2204	8/2/13	12.6	8/2/13	8/2/23
63385	GEN2204	8/5/13	4.3	8/5/13	8/5/23
63559	GEN2204	8/6/13	17.7	8/6/13	8/6/23
63501	GEN2204	8/6/13	9.9	8/6/13	8/6/23
63368	GEN2204	8/6/13	9.9	8/6/13	8/6/23
65065	GEN2204	8/12/13	32.2	8/12/13	8/12/23
63303	GEN2204	8/12/13	9.9	8/12/13	8/12/23
65026	GEN2204	8/14/13	14.7	8/14/13	8/14/23
63125	GEN2204	8/14/13	7.6	8/14/13	8/14/23
63376	GEN2204	8/16/13	7.9	8/16/13	8/7/23
65043	GEN2204	8/19/13	10.2	8/19/13	8/16/23
63143	GEN2204	8/19/13	31.9	8/19/13	8/2/23
63072	GEN2204	8/19/13	21.5	8/19/13	8/1/23
63301	GEN2204	8/20/13	7.6	8/20/13	8/16/23
63141	GEN2204	8/21/13	27.3	8/21/13	8/12/23
63025	GEN2204	8/21/13	9.0	8/22/13	8/22/23
63366	GEN2204	8/22/13	7.1	8/22/13	8/22/23
63357	GEN2204	8/22/13	5.3	8/22/13	8/16/23
63128	GEN2204	8/23/13	17.4	8/23/13	8/16/23
63114	GEN2204	8/23/13	7.7	8/23/13	8/12/23
63110	GEN2204	8/23/13	7.3	8/23/13	8/23/23
63362	GEN2204	8/26/13	31.5	8/26/13	8/26/23

63376	GEN2204	8/26/13	7.1	8/26/13	8/26/23
63376	GEN2204	8/26/13	10.0	8/26/13	8/26/23
63303	GEN2204	8/26/13	10.7	8/26/13	8/24/23
65109	GEN2204	8/30/13	11.2	8/31/13	8/31/23
63601	GEN2204	9/4/13	5.5	9/3/14	9/3/24
63132	GEN2204	9/5/13	13.9	9/5/13	9/5/23
63301	GEN2204	9/6/13	7.9	9/6/13	9/6/23
63301	GEN2204	9/6/13	3.9	9/6/13	9/6/23
63304	GEN2204	9/9/13	9.9	9/10/13	9/10/23
63701	GEN2204	9/9/13	10.1	9/10/13	9/10/23
63701	GEN2204	9/9/13	10.1	9/10/13	9/10/23
63015	GEN2204	9/11/13	9.1	9/12/13	9/12/23
63114	GEN2204	9/12/13	12.6	9/12/13	9/12/23
63011	GEN2204	9/19/13	7.4	9/19/13	9/19/23
63139	GEN2204	9/20/13	3.9	9/21/13	9/21/23
63043	GEN2204	9/23/13	12.5	9/24/13	9/24/23
63303	GEN2204	9/24/13	11.1	9/25/13	9/23/23
63109	GEN2204	9/24/13	7.4	9/25/13	9/25/23
63740	GEN2204	9/25/13	11.1	1/1/14	1/1/24
63084	GEN2204	10/7/13	11.6	10/8/13	10/8/23
63021	GEN2204	10/7/13	8.4	10/8/13	10/8/23
63034	GEN2204	10/8/13	9.7	10/9/13	10/9/23
63124	GEN2204	10/11/13	12.6	10/12/13	10/12/23
63020	GEN2204	10/14/13	9.2	10/14/13	10/9/23

65049	GEN2204	10/23/13	12.6	10/23/13	10/14/23
63026	GEN2204	11/19/13	8.4	11/20/13	11/20/23
63640	GEN2204	11/25/13	19.7	11/25/13	11/19/23
63640	GEN2204	11/25/13	25.7	11/25/13	11/25/23
63033	GEN2204	12/11/13	9.3	12/11/13	12/2/23
65270	GEN2204	12/23/13	5.1	6/17/14	6/17/24
63068	GEN2204	12/30/13	10.9	6/19/14	6/19/24
63339	GEN2204	1/17/14	22.3	1/17/14	1/17/24
63601	GEN2204	4/1/14	4.0	4/1/14	4/1/24
65109	GEN2204	6/17/14	7.7	6/17/14	6/17/24
63130	GEN2204	6/21/14	7.9	6/21/14	6/21/24
63103	GEN2204	7/2/14	13.4	7/2/14	7/2/24
63640	GEN2204	9/3/14	33.7	9/3/14	9/3/24
63119	GEN2204	12/30/14	114.8	12/30/14	12/30/24
63103	GEN2317	1/6/15	33.2	1/6/15	1/6/25
63103	GEN2317	1/6/15	33.2	1/6/15	1/6/25
64474	GEN2317	1/8/15	33.7	1/8/15	1/8/25
63020	GEN2317	1/8/15	20.6	1/8/15	1/8/25
63601	GEN2317	1/9/15	13.5	1/9/15	1/9/25
63376	GEN2317	1/9/15	10.1	1/9/15	1/9/25
63139	GEN2317	1/9/15	11.3	1/9/15	1/9/25
63077	GEN2317	1/9/15	33.3	1/9/15	1/9/25
63043	GEN2317	1/10/15	33.2	1/10/15	1/10/25
63132	GEN2317	1/10/15	12.7	1/10/15	1/10/25

63147	GEN2317	1/12/15	18.4	1/12/15	1/12/25
63303	GEN2317	1/12/15	11.4	1/12/15	1/12/25
63088	GEN2317	1/13/15	18.5	1/13/15	1/13/25
63110	GEN2317	1/15/15	33.7	1/15/15	1/15/25
63110	GEN2317	1/15/15	33.7	1/15/15	1/15/25
63141	GEN2317	1/21/15	8.3	1/21/15	1/21/25
63385	GEN2317	1/26/15	14.6	1/26/15	1/26/25
63385	GEN2317	1/26/15	18.1	1/26/15	1/26/25
65101	GEN2317	1/28/15	22.4	1/28/15	1/28/25
63366	GEN2317	1/30/15	16.2	1/30/15	1/30/25
63124	GEN2317	2/4/15	22.7	2/4/15	2/4/25
63640	GEN2317	2/11/15	11.1	2/11/15	2/11/25
63640	GEN2317	2/17/15	33.7	2/17/15	2/17/25
63119	GEN2317	2/19/15	7.6	2/19/15	2/19/25
63703	GEN2317	2/19/15	33.7	2/19/15	2/19/25
63366	GEN2317	2/19/15	6.1	2/19/15	2/19/25
63026	GEN2317	2/26/15	6.5	2/26/15	2/26/25
63077	GEN2317	3/2/15	33.4	3/2/15	3/2/25
63122	GEN2317	3/5/15	8.9	3/5/15	3/5/25
63074	GEN2317	3/5/15	33.3	3/5/15	3/5/25
63146	GEN2317	3/11/15	4.1	3/11/15	3/11/25
63028	GEN2317	3/11/15	33.7	3/11/15	3/11/25
63069	GEN2317	3/16/15	33.7	3/16/15	3/16/25
63077	GEN2317	3/16/15	33.7	3/16/15	3/16/25

63069	GEN2317	3/16/15	33.4	3/16/15	3/16/25
63069	GEN2317	3/16/15	33.5	3/16/15	3/16/25
65101	GEN2317	3/16/15	33.7	3/16/15	3/16/25
63069	GEN2317	3/16/15	33.7	3/16/15	3/16/25
63125	GEN2317	3/16/15	33.7	3/16/15	3/16/25
63074	GEN2317	3/18/15	33.3	3/18/15	3/18/25
63090	GEN2317	3/20/15	16.9	3/20/15	3/20/25
63074	GEN2317	4/10/15	33.3	4/10/15	4/10/25
63131	GEN2317	4/21/15	33.7	4/21/15	4/21/25
63128	GEN2317	4/21/15	33.7	4/21/15	4/21/25
63108	GEN2317	4/21/15	33.7	4/21/15	4/21/25
63021	GEN2317	4/21/15	9.3	4/21/15	4/21/25
63077	GEN2317	4/22/15	33.7	4/22/15	4/22/25
63015	GEN2317	4/22/15	33.7	4/22/15	4/22/25
63077	GEN2317	4/22/15	33.7	4/22/15	4/22/25
63089	GEN2317	4/22/15	33.5	4/22/15	4/22/25
63077	GEN2317	4/22/15	33.7	4/22/15	4/22/25
63114	GEN2317	4/24/15	33.3	4/24/15	4/24/25
63069	GEN2317	4/24/15	33.7	4/24/15	4/24/25
63134	GEN2317	4/24/15	33.3	4/24/15	4/24/25
63049	GEN2317	4/27/15	33.7	4/30/15	4/30/25
63074	GEN2317	4/28/15	33.3	4/28/15	4/28/25
63301	GEN2317	4/30/15	30.4	4/30/15	4/30/25
63128	GEN2317	5/6/15	33.5	5/6/15	5/6/25

63012	GEN2317	5/11/15	33.7	5/11/15	5/11/25
63701	GEN2317	5/26/15	33.7	5/26/15	5/26/25
63052	GEN2317	5/27/15	29.1	5/27/15	5/27/25
63023	GEN2317	6/2/15	33.7	6/2/15	6/2/25
63108	GEN2317	6/3/15	33.7	6/3/15	6/3/25
63042	GEN2317	6/16/15	33.7	6/16/15	6/16/25
63026	GEN2317	6/16/15	33.7	6/16/15	6/16/25
63640	GEN2317	6/23/15	33.5	6/23/15	6/23/25
63126	GEN2317	6/26/15	10.1	6/26/15	6/26/25
63127	GEN2317	6/26/15	10.5	6/26/15	6/26/25
63125	GEN2317	6/26/15	32.7	6/26/15	6/26/25
63005	GEN2317	6/26/15	33.3	6/26/15	6/26/25
63126	GEN2317	6/26/15	8.1	6/26/15	6/26/25
63125	GEN2317	6/29/15	33.7	6/29/15	6/29/25
64024	GEN2317	6/30/15	21.4	6/30/15	6/30/25
63129	GEN2317	7/1/15	10.3	7/1/15	7/1/25
63501	GEN2317	7/7/15	33.7	7/7/15	7/7/25
63068	GEN2317	7/9/15	18.9	7/9/15	7/9/25
63005	GEN2317	7/9/15	33.3	7/9/15	7/9/25
63042	GEN2317	7/10/15	33.3	7/10/15	7/10/25
63042	GEN2317	7/10/15	33.3	7/10/15	7/10/25
63011	GEN2317	7/10/15	10.5	7/10/15	7/10/25
63110	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63101	GEN2317	7/10/15	33.7	7/10/15	7/10/25

63103	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63108	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63108	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63108	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63044	GEN2317	7/10/15	33.3	7/10/15	7/10/25
63110	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63025	GEN2317	7/10/15	27.7	7/10/15	7/10/25
63110	GEN2317	7/10/15	33.7	7/10/15	7/10/25
63126	GEN2317	7/10/15	33.4	7/10/15	7/10/25
63104	GEN2317	7/13/15	33.7	7/13/15	7/13/25
63348	GEN2317	7/14/15	33.7	7/14/15	7/14/25
63348	GEN2317	7/14/15	20.6	7/14/15	7/14/25
63103	GEN2317	7/16/15	33.7	7/16/15	7/16/25
63104	GEN2317	7/16/15	33.7	7/16/15	7/16/25
63043	GEN2317	7/16/15	33.7	7/16/15	7/16/25
63090	GEN2317	7/24/15	22.7	7/24/15	7/24/25
63077	GEN2317	7/27/15	33.7	7/27/15	7/27/25
63084	GEN2317	7/28/15	33.7	7/28/15	7/28/25
63084	GEN2317	7/29/15	33.7	7/29/15	7/29/25
63090	GEN2317	7/29/15	33.7	7/29/15	7/29/25
65041	GEN2317	8/17/15	23.4	8/17/15	8/17/25
63701	GEN2317	8/20/15	6.7	8/20/15	8/20/25
63114	GEN2317	9/1/15	33.4	9/1/15	9/1/25
63069	GEN2317	9/18/15	27.0	9/18/15	9/18/25



63005	GEN2317	9/18/15	33.7	9/18/15	9/18/25
63640	GEN2317	10/26/15	15.4	10/26/15	10/26/25
63021	GEN2317	11/20/15	20.6	11/20/15	11/20/25
63069	GEN2317	12/3/15	33.7	12/3/15	12/3/25
63127	GEN2317	12/21/15	13.5	12/21/15	12/21/25
63537	GEN2479	3/11/14	12.1	3/11/14	3/11/24
63780	GEN2479	5/27/14	34.2	5/27/14	5/27/24
63780	GEN2479	5/29/14	18.3	5/29/14	5/29/24
63650	GEN2479	6/13/14	10.5	6/13/14	6/13/24
65233	GEN2479	6/14/14	6.8	6/14/14	6/14/24
63130	GEN2479	3/18/16	6.5	3/18/16	3/18/26
63055	GEN2479	5/20/16	19.5	5/20/16	5/20/26
63025	GEN2479	6/2/16	10.5	6/2/16	6/2/26
65072	GEN2479	6/23/16	8.9	6/23/16	6/23/26
63130	GEN2479	9/9/16	34.2	9/9/16	9/9/26
63069	GEN2479	10/14/16	5.5	10/14/16	10/14/26
63129	GEN2479	12/16/16	18.1	12/16/16	12/16/26
63056	GEN2602	6/16/14	14.8	6/16/14	6/16/24
65233	GEN2602	6/19/14	33.9	6/19/14	
63559	GEN2602	7/7/15	12.3	7/7/15	7/7/25
63077	GEN2602	1/25/17	34.2	1/25/17	1/25/27
63116	TBD (2018)	9/25/14	7.4	9/25/14	9/25/24
63841	TBD (2018)	10/7/14	32.4	10/7/14	10/7/24
63143	TBD (2018)	12/29/15	33.7	12/29/15	12/29/25

65263	TBD (2018)	12/13/16	13.7	12/13/16	12/13/26
65259	TBD (2018)	12/22/16	18.8	12/22/16	12/22/26
65270	TBD (2018)	1/10/17	34.2	1/10/17	1/10/27
63624	TBD (2018)	1/17/17	13.7	1/17/17	1/17/27
63016	TBD (2018)	1/26/17	7.6	1/26/17	1/26/27
63366	TBD (2018)	3/10/17	9.8	3/10/17	3/10/27
63010	TBD (2018)	4/20/17	11.6	4/20/17	4/20/27
65233	TBD (2018)	8/1/17	34.2	8/1/17	8/1/27
63023	TBD (2018)	8/31/17	13.5	8/31/17	8/31/27

**Exhibit 7**

**AFFIDAVIT OF COMPLIANCE WITH 2018 COMPLIANCE PLAN**

COMES NOW Ajay Arora, affiant, being of legal age, and upon being first duly sworn on his oath, states:

1. I am Vice President, Power Operations & Energy Management for Ameren Missouri. My business address is One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.
2. As Vice President, Power Operations & Energy Management, I am responsible for ensuring Ameren Missouri's compliance with the Renewable Energy Standard (RES).
3. I certify that Ameren Missouri is in compliance with the RES compliance plan filed in April of 2018 for the calendar year 2017.
4. I hereby swear and affirm that the information contained in this Affidavit is true and correct.

Further, affiant sayeth not.

Ajay Arora



Subscribed and sworn to before me this 9<sup>th</sup> day of April, 2019.

Cathleen A. Dehne



Notary Public

My commission expires: March 7, 2021

