

Ameren Missouri

**Renewable Energy Standard
Compliance Report
2022**

Prepared in Compliance with 20 CSR 4240-20.100

April 15, 2023



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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, it required Ameren Missouri to acquire renewable energy resources as a percentage of total retail sales.

As part of the statute and rulemaking, Section (8) (A) required investor-owned utilities to file a report demonstrating how compliance was met in the previous calendar year, and Section (8) (B) requires investor-owned utilities to file a plan that covers their intended compliance measures for the current year plus the following 2 years.

Compliance with RES can be achieved using RECs from qualified renewable generation resources (wind, hydro, biomass, solar etc.) certified by the Missouri Department of Natural Resources (MoDNR). The MoDNR Division of Energy is responsible for providing renewable certification. The RES requires a percentage of RECs come from designated solar resources or (S-RECs).

The RES allows for two methods to achieve compliance. The first is based on providing enough RECs to meet the requirement, and the other is related to the 1% rate cap calculation. A utility will be in compliance with the RES if the cost of compliance is equal to or greater than the 1% rate cap calculation. Thus, a utility could fall short of meeting the RECs requirement, but if the 1% calculation is met, then the utility is in full compliance.

The following table details the renewables percentage requirements of 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 MoDNR is responsible for certifying all eligible renewable resources that can be utilized to meet the RES requirement. MoDNR rule 10 CSR 140-8.010 (2), contains the list of renewable resources eligible to achieve RES compliance.

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, 2019 to the end of 2022 in meeting the RES requirements for calendar year 2022. Any generation and/or RECs from a Missouri renewable resource are entitled to a factor of 1.25 applied to each 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 2022.

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, 2022, Ameren Missouri's total retail electric sales were 31,866,242 MWh.

Section (8) (A) 1 B: Total Jurisdictional Revenue

Total jurisdictional revenue from the total retail electric sales to Missouri customers as measured at the customers' meters for the CY 2022 is \$3,035,773,677.

Section (8) (A) 1 C: Retail Sales Supplied by Renewables

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 MW.

The Keokuk Hydro-electric Generation Station was certified as a qualified renewable energy resource by the MoDNR on September 28, 2011. The total generational output from the Keokuk facility for the CY 2022 was 894,812 MWh.

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 northeast 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 MoDNR on September 28, 2011. The total generational output from the Pioneer Prairie Wind Farm in CY 2022 was ** _____ ** MWh.

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

The Ameren Missouri headquarters solar installation was certified as a qualified renewable generation facility by the MoDNR on September 28, 2011. The total generational output of this facility during CY 2022 was 84 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 105 MWh 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, MO in 3 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 MoDNR. The generational output from the MHREC for CY 2022 was 53,358 MWh.

In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 66,698 MWh towards the compliance requirements.

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

On April 3, 2015, MoDNR certified OREC as a renewable resource. The total generational output of this facility during CY 2022 was 4,190 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 5,238 MWh towards the compliance requirements.

On September 16, 2019, the BJC Solar Facility became commercially operational. This facility is 1.8 MW (DC) PV project located on the top of an existing parking garage at Barnes Jewish Hospital in St. Louis, MO.

On January 21, 2020, MoDNR certified the BJC Solar Facility as a renewable resource. The total generational output of this facility during CY 2022 was 1,708 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 2,135 MWh towards the compliance requirements.

On December 23, 2020, the 400 MW High Prairie Renewable Energy Center (HPREC) became commercially operational, and on February 16, 2021, HPREC was certified as a renewable resource by MoDNR. This wind farm is located in Adair and Schuyler counties, Missouri and consists of 175 wind turbines covering about 50,000 acres. The total generational output of this facility during CY 2022 was 945,033 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 1,181,291 MWh towards the compliance requirements.

On March 2, 2021, the Atchison County Renewable Energy Center (AREC) became operational at a reduced capacity of 120.0 MW, and by December 22, 2021 reached its full operational capacity of 298.6 MW. This wind farm is located in Atchison County Missouri and consists of 91 turbines covering about 30,000 acres. AREC received certification from the MoDNR on February 22, 2021. The total generational output of this facility during CY 2022 was 997,450 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 1,246,813 MWh towards the compliance requirements.

On July 21, 2021, the South St. Louis Renewable Energy Center (REC) became commercially operational. This solar facility is a 221 kW (DC) PV project located in a Habitat for Humanity St. Louis parking lot in St. Louis City.

On October 4, 2021, MoDNR certified the South St. Louis REC as a renewable resource. The total generational output of this facility during CY 2022 was 316 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 395 MWh towards the compliance requirements.

On July 20, 2022, the Cape Girardeau Renewable Energy Center (REC) became commercially operational. This solar facility is a 1.4 MW (DC) PV project located on the campus of Southeast Missouri State University parking lot at the Show Me Center.

On November 21, 2022, MoDNR certified the Cape Girardeau REC as a renewable resource. The total generational output of this facility during CY 2022 was 405 MWh. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation from this facility such that the generation counts as 506 MWh towards the compliance requirements.

Section (8) (A) 1 D: RECs Created by Owned Utility Resources

Table 1. Total 2022 RECs Created by Utility Owned Renewable Resources

Resource	RECs	MO Equivalent RECs	Value of Energy ¹
AMO Headquarters Solar	84	105	\$5,201
O'Fallon REC	4,190	5,238	\$259,445
BJC Solar Facility	1,708	2,135	\$105,759
Cape Girardeau REC	405	506	\$25,078
South St. Louis REC	316	395	\$19,257
High Prairie REC	945,033	1,181,291	\$38,414,209
Atchison REC	997,450	1,246,813	\$26,445,321
Keokuk Hydro-electric	894,812	894,812	NA
Maryland Heights REC	53,358	66,698	\$3,303,927

Section (8) (A) 1 E: RECs Acquired, Sold & Retired

During CY 2022, Ameren Missouri purchased energy including the associated RECs from the Pioneer Prairie Wind Farm. A total of ** _____ ** RECs were acquired in CY 2022 under the terms of the 15-year power purchase agreement.²

In CY 2022, 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. 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,

¹ Value of energy calculated as the MWh generated by the facility in 2022 multiplied by the average 2022 Day Ahead LMP energy price (\$/MWh) at MOGEN. For High Prairie REC and Atchison REC value of energy numbers represent actual market energy settlements for 2022.

² There was a correction made to Ameren Missouri's MISO submission between the S55 and the S105 Statements causing 100 MWhs that should have been included in the 2021 Compliance Year for Pioneer Prairie to be pushed into 2022.

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.

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 form the utility, the S-RECs transfer to the utility. Due to this change, the SOC program was discontinued.

During CY 2022, Ameren Missouri acquired 81,146 solar RECs from its customers under terms of the Standard Offer Contract and the two solar rebate programs for systems that became operational in 2019 and earlier.³ For more detail regarding systems that became operational from 2020 - 2022 please see Section (8) (A) 1 J. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state generation such that the RECs count as 101,433.

Additionally, in 2022 the Department of Energy revised the PV watts capacity factor for the St. Louis region from 15.9% to 15.7%. This new percentage will be applied to systems installed on January 1, 2022, or later.

In 2022 Ameren Missouri purchased 454,022 RECs, 454,022 non-solar and 0 solar, from 3rd party brokers. All purchased non-solar RECs were generated in the state of Missouri. In accordance with RSMo 393.1030, a factor of 1.25 is applied to the in-state RECs such that the non-solar RECs count as 567,528. These RECs are a combination of 2020 and 2021 vintages. Please see Section (8) (A) 1 I for additional details on 3rd party REC purchases made in 2022.

The total REC requirement for 2022 = 4,779,936 RECs

Non-solar requirement = 4,779,936 x .98 = 4,684,338 RECs

Solar requirement = 4,779,936 x .02 = 95,599 RECs

Table 2 outlines the RECs retired to meet 2022 non-solar compliance. All values include the Missouri in-state adjustment where appropriate.

³ 72 additional RECs from customer generators appear in NAR as 2022 vintage. However, these RECs are more appropriately considered as 2023 RECs and therefore will be used for 2023 compliance. For that reason, they are not included in the total above nor are they listed as carried forward in Section (8)(A) 1G.

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Table 3 outlines the RECs retired to meet 2022 solar compliance. All values include the Missouri in-state adder where appropriate.

Table 3. RECs Retired for 2022 Solar Compliance

Solar Resource	2020 vintage	2021 vintage	2022 vintage	Total
Customer Solar			87,220	87,220
Ameren HQ Solar			105	105
O'Fallon REC			5,238	5,238
BJC Solar Facility			2,135	2,135
South St. Louis REC ⁵		6	389	395
Cape Girardeau REC			506	506
Purchased RECs				
Total				95,599

Section (8) (A) 1 F: REC Sources

See Sections (A) 1 D and E above.

Section (8) (A) 1 G: RECs Carried Forward

RECs carried forward through the 3-year banking provision are as follows:

Table 4. RECs Carried Forward

Resource	RECs
Keokuk	7,859
Total	7,859

Please see Exhibit 1 for additional details.

⁴ Solar RECs can be utilized to meet non-solar compliance.

⁵ The 5 RECs (6 with MO adder) that appear as 2021 vintage in NAR for the South St. Louis Facility were generated in January 2022. They were incorrectly issued in NAR in December 2021, and therefore appear in NAR as 2021 vintage.

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 2022 requirements or has been banked in Ameren Missouri's NAR account and will be used for future compliance requirements.

Section (8) (A) 1 I: RECs from Non-Owned Utility 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 and Exhibit 3 for monthly meter reads and payment amounts.

3rd Party REC Purchases

Table 5. 3rd Party REC Purchases

Counter Party Name	Quantity	Quantity per Asset	Asset, Technology, Location	Vintage	Trade Date	Pmt. Date	Amount Paid	Deal No
3 Degrees Group, Inc.	93,237	55,156	Osborn Wind Energy (<i>Dekalb County, MO</i>)	CY2021	05/17/2022	5/31/2022	\$354,300	46273
		38,081	Rock Creek Wind Project (<i>Trakio, MO</i>)	CY2021				
Empire District Electric Co.	172,176	108,731	North Fork Ridge Wind (<i>Barton County, MO</i>)	CY2021	05/05/2022	06/01/2022	645,660	45783
		63,445	Kings Point Wind (<i>Barton, Dade, Jasper, and Lawrence Counties, MO</i>)	CY2021				
STX Commodities, LLC	97,507	97,507	High Prairie Wind Farm (<i>Adair and Schuyler Counties, MO</i>)	CY2020	05/11/2022	06/07/2022	\$316,897	45944
3 Degrees Group, Inc.	91,102	76,269	Rock Creek Wind Project (<i>Trakio, MO</i>)	CY2021	05/20/2022	06/07/2021	\$318,857	46470
		14,833	Osborn Wind Energy (<i>Dekalb County, MO</i>)	CY2021				

Section (8) (A) 1 J: Customer Generator RECs

See Exhibit 6 for Customer Generator Resource List.

At this time, projects associated with 2022 solar rebate payments have not yet been certified by Missouri DNR. Projects associated with 2020 and 2021 solar rebate payments have been certified by the Missouri DNR but have not yet been entered into NAR. Therefore, customer generators installed between 2020 and 2022 have not been included in the Exhibit 6 table or utilized to meet 2022 RES compliance.

Section (8) (A) 1 K: Customer Solar Rebates

During CY 2022, Ameren Missouri processed and paid 1,375 requests for solar rebates. No rebates are processed until all required meter work has been performed.

Section (8) (A) 1 L: Customers Denied Rebates

There were no rebate denials.

Section (8) (A) 1 M: Solar Rebates and S-REC Contracts

During CY 2022, Ameren Missouri paid out \$3,936,030 associated with solar rebates.

During 2022, there was one active version of the tariff Rider SR. There were no changes to the Solar Rebate tariffs during CY 2022. The program associated with RS MO 393.1670 is active. The program associated with RS MO 393.1030 is complete with all remaining funding paid out during CY 2019, though the tariff sheets have not yet been eliminated.

See Exhibit 4 for Solar Rebate Tariffs.

See Exhibit 5 for SREC Purchase Tariff that was applicable when agreements were last executed with customers (the language was removed from Ameren Missouri's tariff book on 4/1/2022).

Section (8) (A) 1 N: Compliance Affidavit

See Exhibit 7 for company Affidavit.

Section (8) (A) 1 O: Utility Compliance with RES Plan

Compliance for CY 2022 was achieved.

Section (8) (A) 1 P: Actual Calendar Year Retail Rate Impact

Ameren Missouri's Adjusted Revenue Requirement for CY 2022 is \$3,703,821,082
Total RES Compliance cost for 2022 is \$37,386,932

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

$$= \$37,386,932 / \$3,703,821,082 = 1.01\%$$

Exhibit 1: RECs Carried Forward in NAR Account

RECs carried forward include RECs associated with the Keokuk Hydro-electric Generation Station.

Table 6. RECs Carried Forward in NAR Account

Sub-Account	Sub-Account ID	NAR ID	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity
Keokuk	273	GEN160	Hydroelectric Water	Dec-2022	NAR-REC-160- IA-12-2022- 139870-1 to 61938	7,859
Keokuk Subtotal						7,859
Total RECs Carried Forward for Compliance						7,859
Total RECs Carried Forward for Compliance – Missouri Equivalent						7,859

****Exhibit 2: Non-Utility Owned Resource Affidavit**

Pioneer Prairie 2022 Resource Affidavit

DocuSign Envelope ID: F2521582-0827-4BF3-A86B-3BF511061B08

AFFIDAVIT

I, Brian Hayes, Executive Vice President Asset Operations, as the authorized representative of EDP Renewables North America LLC f/k/a Horizon Wind Energy LLC, a Delaware limited liability company ("Seller") declare that Seller hereby sells, transfers and delivers to Union Electric Company d/b/a AmerenUE ("Buyer") the Product (including, unless otherwise specified, all Environmental Attributes and Product Reporting Rights) associated with the generation and delivery of energy from the Renewable Energy Facility as described below, in the amount of one REC for each megawatt hour generated as Delivery of Product, as said term is defined in the Power Purchase Agreement between Buyer and Seller dated June 10, 2009 (initially capitalized terms used and not otherwise defined herein are defined in the Power Purchase Agreement), and that the RECs sold hereunder:

- 1) were generated by the following Renewable Energy Facilities and sold, subject to receipt of payment, to Buyer;
- 2) are solely and exclusively owned by Seller;
- 3) have not been used by Seller or any third party to meet the RPS or other Applicable Program requirements in another state or jurisdiction;
- 4) were generated in Missouri or an Adjacent State and complied with applicable energy delivery rules;
- 5) were not sold to any end-use customer or other wholesale provider other than Buyer during the calendar/Reporting Year;
- 6) were not used on-site for generation;
- 7) no Environmental Attributes (including, without limitation, any verified emission reductions) associated with the RECs sold hereunder have been sold or otherwise made available to a third party;

Generator Name	Technology Type	Fuel Type	Generator Location	# MWh RECs Sold	Generation Period
Pioneer Prairie Wind Farm II LLC	Wind	Wind	IA	327,318	2022

Pioneer Prairie Wind Farm II LLC is located in Mitchell County, Iowa. The facility's nameplate capacity is 300.3 MW, of which 102.3 MW is sold to Buyer. The Power Purchase Agreement between Buyer and Seller began on September 1, 2009.

As an authorized agent of Seller, I state that the above statements are true and correct to the best of my knowledge.

DS
CJ

DocuSigned by:

Signature

March 20, 2023

Houston, TX
Place of Execution

**

****Exhibit 3: REC Meter Reads/Payments**

Table 7. Pioneer Prairie REC Meter Readings and Payments

2022	RECs	Total Invoice Cost (REC + Energy)	Payment Due Date
Jan-2022	38,095	\$3,327,657	03/11/2022
Feb-2022	31,184	\$2,159,841	03/28/2022
Mar-2022	33,217	\$2,292,717	04/25/2022
Apr-2022	40,236	\$2,792,310	05/23/2022
May-2022	23,052	\$1,591,285	06/24/2022
Jun-2022	21,720	\$1,503,009	07/29/2022
Jul-2022	15,020	\$1,036,380	08/25/2022
Aug-2022	13,690	\$945,353	09/20/2022
Sep-2022	17,733	\$1,259,149	10/21/2022
Oct-2022	24,488	\$1,753,994	11/30/2022
Nov-2022	35,656	\$2,514,315	12/22/2022
Dec-2022	33,127	\$2,298,789	01/30/2023
Total	327,218	\$23,474,799	

**

Exhibit 4: Solar Rebate Tariffs

Effective 1/1/22-12/31/22

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

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

5th Revised

SHEET NO. 88

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

4th Revised

SHEET NO. 88

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670

***PURPOSE**

The purpose of this Rider SR Solar Rebate 2019-2023 is to implement the solar rebate established through §393.1670 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**

Except as otherwise provided herein, the Solar Rebate program is available to all customers receiving service under Service Classifications 1(M) Residential Service Rate, 2(M) Small General Service Rate, 3(M) Large General Service Rate, 4(M) Small Primary Service Rate, 6(M) Street and Outdoor Area Lighting - Customer-Owned, 11(M) Large Primary Service Rate, or 12(M) Large Transmission Service Rate.

Details concerning the current Rebate Commitment levels, Reservation Queue, and payment levels are posted on the Company's website at www.ameren.com and will be updated monthly.

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.
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. A retail electric account receiving service under 1(M) Residential Service will be eligible for a solar rebate not to exceed twenty-five kilowatts (25 KW) and all other service classification will be eligible for a solar rebate not to exceed one hundred fifty kilowatts (150 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, 2018 and must become operational on or before December 31, 2023.
7. The System shall meet all requirements of either: a) 4 CSR 240-20.065 and Company's Electric Power Purchases from Qualified Net Metering Units tariff or b) 4 CSR-240-20.060 and Company's Electric Power Purchase from Qualifying Facilities tariff.
8. The system must include a "Grid Support Utility Interactive Inverter" or inverters from Go Solar California's [approved list](#).

*Indicates Addition

DATE OF ISSUE August 29, 2018

DATE EFFECTIVE September 28, 2018

ISSUED BY Michael Moehn
NAME OF OFFICER

President
TITLE

St. Louis, Missouri
ADDRESS

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 4th Revised SHEET NO. 88.1

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

*AVAILABILITY (Cont'd.)

9. 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

Completion Requirements - All System installation and final documentation requirements as defined on Company's website www.ameren.com for an Interconnection Application and Solar Rebate Application 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, and System photo(s).

Interconnection Application - Section A. through Section D. of a "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" ("Net Metering Agreement") or "Interconnection Application/Agreement for Inverter-Based Generator Systems with Capacity of 1,000 KW or Less" ("Qualifying Facilities Agreement") which can be obtained from Company's website www.ameren.com.

Operational Date - The date that the Company installs a bi-directional meter and/or permits parallel operation of the System with Company's electrical distribution system in accordance with Company's Net Metering Agreement or Qualifying Facilities Agreement and respective tariffs.

Qualification Date - The date and time that determines a customer's relative position in the Reservation Queue and is recorded when all Solar Rebate Application information has been entered into the online portal and the Solar Rebate Application is accepted by Company. The Qualification Date for paper or email copies of Solar Rebate Application information received by Company will be based on when the information is manually entered by Company into the online portal, and Company makes no guarantee as to the length of time necessary for Company to make such entry and accept the Solar Rebate Application.

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 accepted Solar Rebate Applications that have been received by Company which have not received a Rebate Commitment and have not expired and have not been paid a Solar Rebate.

Solar Rebate Application - Basic customer and System information necessary to receive approval of a Rebate Commitment from Company as defined on Company's website www.ameren.com provided to Company including but not limited to accurate account number, name and service address matching customer billing information, all fields of the Solar Rebate Application, developer signature, and for accounts not receiving service under Service Classifications 1(M) Residential Service Rate, a taxpayer information form of the customer.

*Indicates Addition

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 88.2

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

*DEFINITIONS (Cont'd.)

System - Qualifying solar electric system.

*REBATE RATE SCHEDULE

Subject to the Availability and other provisions of this Rider SR Solar Rebate 2019-2023, Systems that become operational on or before June 30, 2019 will be eligible for a solar rebate in the amount of \$0.50 per watt and Systems that become operational from July 1, 2019 through December 31, 2023 will be eligible for a solar rebate in the amount of \$0.25 per watt.

If a customer has satisfied all of the System Completion Requirements by June 30th, 2019 or by December 31, 2023, but the Company is not able to complete all of the Company's steps needed to establish an Operational Date on or before the respective dates, the Rebate Rate will be determined based on the date the Completion Requirements were met by customer. If it is subsequently determined that the customer or the System did not satisfy all Completion Requirements on or before the respective date, the rebate rate will be determined based on the Operational Date.

*REBATE PAYMENT PERIODS AND FUNDING LEVELS

Company will not be obligated to make Rebate Commitments exceeding \$28.0 million cumulatively over the five (5) calendar years 2019-2023. Of this amount, Company will reserve \$800,000 of solar rebate funding cumulatively over the five (5) year period to only be available for use by customers receiving service under Service Classification 1(M) Residential Service that meet the eligibility for the Low-Income Program. For all other projects, Company will make Rebate Commitments that will not exceed the following schedule:

<u>Commitment</u>	<u>All Rebates Except</u>
<u>Year</u>	<u>Low Income</u>
2019	\$10.0 million
2020	\$ 5.6 million
2021	\$ 5.6 million
2022	\$ 5.6 million
2023	\$ 0.4 million

In any given year, any portion of rebate funds that have not been paid to customers, will be made available in the following year except any funds remaining at the conclusion of the 2023 program year will expire and will not be made available thereafter.

*Indicates Addition

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

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 5th Revised SHEET NO. 88.3

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

*SOLAR REBATE APPLICATION, QUALIFICATION DATE & REBATE COMMITMENT

Company will begin accepting Solar Rebate Applications on November 1, 2018 for the 2019 payment year and on September 1 preceding each subsequent payment year for which rebates are available.

Only one (1) Solar Rebate Application may be active for an account at any time. The capacity of a Solar rebate application may be revised lower but may not be increased. Either an increase in the capacity of an existing Solar Rebate Application or the submission of a new Solar Rebate Application will automatically cancel any previous Solar Rebate Application for the account. The online portal will attempt, to the extent practical, to alert the customer or developer that the action being taken will generate a new Qualification Date and cancel any existing Qualification Date before accepting the Solar Rebate Application and assigning a new Qualification Date.

A Solar Rebate Application and an Interconnection Application do not need to be submitted at the same time. A Rebate Commitment can be made by Company without an Interconnection Application having been previously submitted. Customers or developers submitting Interconnection Applications prior to Company accepting Solar Rebate Applications may submit a Solar Rebate Application provided the System did not and does not have an Operational Date on or before December 31, 2018.

Company will only make a Rebate Commitment to a customer that has been assigned a Qualification Date. At the time that a Solar Rebate Application is accepted by Company, Company will notify the customer and developer in writing, by letter or email, that:

- 1. Solar rebate funds have been committed for their System, or
2. The solar rebate funds are fully subscribed and their Solar Rebate Application has been placed in the Reservation Queue.

To the extent possible, Company will also provide an "instant" notification of the above at the time the Solar Rebate Application is accepted.

A Solar Rebate Application will expire on the subsequent August 31st after it has been accepted by Company if a Rebate Commitment has not been made by Company.

A Rebate Commitment will expire if the System has not met all Completion Requirements upon the earlier of:

- 1. After sixty (60) days if a complete Interconnection Application has not been submitted and accepted by Company, or
2. Twelve (12) months from the date of the Rebate Commitment, or
3. December 31, 2023.

*Indicates Addition

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

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

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 2nd Revised SHEET NO. 88.4

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

*RESERVATION QUEUE

In any year in which the solar rebate funding level has been reached, Company will establish a Reservation Queue for Solar Rebate Applications based on System Qualification Dates.

At least quarterly, Company will notify in writing, by letter or email, those customers and their developers that did not receive a Rebate Commitment when the Solar Rebate Application was accepted by Company and whose Solar Rebate Application has not expired but for which a Rebate Commitment is now being made as a result of other Solar Rebate Commitments having expired or been cancelled from the Reservation Queue.

For Rebate Commitments made to Solar Rebate Applications in the Reservation Queue, the customer or developer must, within thirty (30) days, provide confirmation of an intent to complete the System. Such confirmation by the customer or developer shall be registered through the Solar Rebate Application online portal or by returning an expression of interest form available on the Company website at www.ameren.com. A Rebate Commitment made to a Solar Rebate Application in the Reservation Queue will expire after 30 days if such confirmation is not provided to Company.

*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.

To the extent that the capacity (KW) of the Interconnection Application and the capacity (KW) of the Solar Rebate Commitment are not the same, the amount of the rebate payment shall be the lesser of the two (2) capacities.

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

- 1. Customer has satisfied all Completion Requirements, and
2. An Interconnection Application has been executed by the customer and Company.

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

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

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

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.6

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

SOLAR REBATE APPLICATION FORM

The date and time that determines a customer's relative position in the Reservation Queue and is recorded when all Solar Rebate Application information has been entered into the online portal and the Solar Rebate Application is accepted by Company. The Qualification Date for paper or email copies of Solar Rebate Application information received by Company will be based on when the information is manually entered by Company into the online portal, and Company makes no guarantee as to the length of time necessary for Company to make such entry and accept the Solar Rebate Application.

This form is only representative of the information that will be required to submit a Solar Rebate Application. The Solar Rebate Application should be accessed, completed and submitted through the Company website at www.ameren.com.

Customer Information Required:

Name: * Account Number: *
Premises Address: *
Phone Number:
Email Address:
Completed Taxpayer Information Form (W-9): ** (to be attached/uploaded)

*Must match information on Ameren Missouri account.
**Does not apply to residential accounts

Contractor/Developer/Installer Information:

Company Name:
Contact Name: Contact Phone:
Contact Email:

System Information Required:

DC Rating of each panel (watts):
Number of Panels:
Single-line diagram: (to be attached/uploaded)

Solar Rebate Declarations (at time of application):

I understand and agree to the complete terms and conditions of the solar rebate program which are included in Company's Rider SR - Solar Rebate 2019-2023 - 393.1670 tariff which can be accessed at www.ameren.com..

I understand that Company will not accept any Solar Rebate Application prior to November 1, 2018, or September 1 for subsequent years, and that any Solar Rebate Application received prior to those dates, in any form, will be discarded.

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

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.7

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

SOLAR REBATE APPLICATION FORM (Cont'd.)

I understand that upon receiving a Rebate Commitment I must submit an Interconnection Application (if I have not already done so) within 60 days or the Rebate Commitment will expire.

I understand that the System must include a "Grid Support Utility Interactive Inverter" or inverters from Go Solar California's approved list.

I understand that this program has a limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified I have been placed in the Reservation Queue if funds run out for the current year and that I will need to reapply for funds for a subsequent year if I have not received a Rebate Commitment by August 31. This program may be modified or discontinued at any time without notice from Company.

I understand that the solar System must:

- be permanently installed, and
• remain in place on premises for a minimum of ten (10) years, and
• be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system, and
• be constructed with equipment that commercially available, new when installed, and carries a minimum ten (10) year warranty.

I understand a rebate may be available from Company in the amount of:

- \$0.50 per watt for systems operational between January 1, 2019 and June 30, 2019;
• \$0.25 per watt for systems operational between July 1, 2019 and December 31, 2023;

I understand that the maximum rebate available is:

- 25 KW for a customer receiving residential service, and
• 150 KW for all other customers

I understand the DC wattage rating of the panels provided by the original manufacturer will be used to determine rebate amount.

I understand I may receive an IRS Form related to my rebate amount. (Please consult your tax advisor with any questions.)

I understand that as a condition of receiving a solar rebate, I am transferring to Company all right, title and interest in and to the solar renewable energy credits (SRECs) associated with the new or expanded System that this Solar Rebate Application is applicable to for a period of ten (10) years from the date Company confirmed that the System was installed and operational, and during this period, I may not claim credit for the SRECs under any environmental program or transfer or sell the SRECs to any other party.

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

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

UNION ELECTRIC COMPANY ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.8

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE 2019-2023 - 393.1670 (Cont'd.)

SOLAR REBATE APPLICATION FORM (Cont'd.)

I understand that there are other requirements to be completed after the System becomes operational prior to Company releasing a rebate payment including but not limited to providing the following information to Company:

- Copies of detail receipts/invoices with purchase date circled
- Copies of detail spec sheets on each component
- Copies of proof of warranty sheet (minimum of 10 year warranty)
- Photo(s) of completed system

The undersigned warrants, certifies, and represents that the information provided in this form is true and correct to the best of my knowledge; and the installation will meet all Solar Rebate program and interconnection requirements.

Applicant's Signature

Installer's Signature

Print Solar Rebate Applicant's Name

Print Installer's Name

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

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 MO 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

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

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

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 MO 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 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 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.

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.

System - Qualifying solar electric system

*Indicates Reissue

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

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

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 MO 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 on or before December 31st of the year</u>	<u>Operational Status Achieved on or before 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.

*Indicates Reissue

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

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

UNION ELECTRIC COMPANY ELECTRIC SERVICE

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

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

APPLYING TO MISSOURI SERVICE AREA

RIDER 8P

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

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

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 SF

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:

Up-Front Payment = Annual SRECs produced x 10 years x 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:

Annual Payment = SRECs produced x 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 President & CEO St. Louis, Missouri
NAME OF OFFICER TITLE ADDRESS

UNION ELECTRIC COMPANY ELECTRIC SERVICE

M.O.P.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 89.3

CANCELLING M.O.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 89.3

APPLYING TO MISSOURI SERVICE AREA

RIDER 8P

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

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

MOP.S.C. SCHEDULE NO. 6 1st Revised SHEET NO. 89.4

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

Exhibit 6: Customer Generator Resource List⁶

Metered Generation

Zip Code	Aggregated Subaccount	Interconnection Date	2022 Metered Generation (MWh)	Start Date	End Date
63122	AGG370	4/3/13	8.8	04/30/2013	04/30/2023
63701	AGG370	3/28/13	17.1	05/01/2013	05/01/2023
63139	AGG370	3/26/13	30.6	05/07/2013	05/07/2023
63122	AGG370	2/25/13	30.5	05/17/2013	05/17/2023
63122	AGG370	3/26/13	31.9	05/02/2013	05/02/2023
63122	AGG370	3/26/13	21.4	05/02/2013	05/02/2023
63021	AGG395	6/10/13	10.9	07/25/2013	07/25/2023
63043	AGG395	1/28/13	25.7	07/25/2013	07/25/2023
65101	AGG395	6/11/13	17.5	08/13/2013	08/13/2023
63010	AGG395	2/13/13	18.5	07/31/2013	07/31/2023
65233	AGG395	2/8/13	14.8	07/10/2013	07/10/2023
63141	AGG395	10/30/12	16.1	06/15/2013	06/15/2023
65109	AGG395	1/23/13	16.5	07/10/2013	07/10/2023
63101	AGG395	1/14/13	0.0	06/04/2013	06/04/2023
63005	AGG395	4/26/13	16.2	05/07/2013	05/07/2023
63016	AGG395	4/11/13	32.5	05/03/2013	05/03/2023
63122	AGG395	4/8/13	26.8	07/22/2013	07/22/2023
63043	AGG395	5/2/13	23.4	06/06/2013	06/06/2023
63016	AGG395	4/11/13	30.4	05/03/2013	05/03/2023
65233	AGG395	9/14/12	20.2	05/29/2013	05/29/2023
63110	AGG395	1/28/13	29.5	07/25/2013	07/25/2023
63084	AGG395	12/7/12	54.0	06/01/2013	06/01/2023
65109	AGG395	1/23/13	25.3	07/10/2013	07/10/2023

⁶ This list does not include RECs generated from 2020, 2021, or 2022 installations as they have not been utilized to meet 2022 compliance.

Unmetered Generation

Zip Code	Aggregated Subaccount	Interconnection Date	Annual Estimated 2022 Generation (MWh)	Start Date	End Date
63084	GEN374	8/8/11	0.2	4/6/12	4/6/22
63050	GEN374	11/1/11	2.9	7/21/12	7/21/22
63052	GEN374	1/6/12	0.2	1/6/12	1/6/22
63025	GEN374	1/6/12	0.2	1/7/12	1/7/22
63011	GEN374	1/12/12	0.3	1/13/12	1/13/22
65109	GEN374	1/13/12	0.1	1/14/12	1/14/22
63109	GEN374	1/19/12	0.3	1/19/12	1/19/22
63109	GEN374	1/19/12	0.1	1/19/12	1/9/21
63104	GEN374	1/24/12	0.4	1/24/12	1/24/22
63129	GEN374	1/24/12	0.1	1/24/12	1/24/22
63131	GEN374	1/25/12	0.2	1/25/12	1/25/22
63640	GEN374	1/25/12	0.8	3/12/12	3/12/22
63108	GEN374	1/27/12	0.5	1/28/12	1/28/22
63052	GEN374	1/30/12	0.1	1/30/12	1/30/22
63105	GEN374	1/30/12	0.5	1/31/12	1/31/22
65109	GEN374	1/31/12	0.2	2/1/12	2/1/22
63031	GEN374	2/2/12	0.3	2/2/12	2/2/22
63105	GEN374	2/2/12	0.5	2/3/12	2/3/22
63090	GEN374	2/9/12	0.7	2/9/12	2/9/22
63110	GEN374	2/22/12	0.4	2/22/12	2/22/22
65023	GEN374	2/23/12	1.8	2/24/12	2/24/22
63025	GEN374	2/24/12	1.1	2/24/12	2/24/22
63017	GEN374	2/24/12	1.4	2/24/12	2/15/22
63640	GEN374	2/27/12	1.9	2/27/12	2/27/22
63101	GEN374	2/28/12	1.9	2/29/12	2/28/22
65041	GEN374	2/29/12	1.8	3/1/12	3/1/22
63110	GEN374	3/8/12	0.9	3/14/12	3/14/22
65026	GEN374	3/12/12	1.1	3/13/12	3/13/22
63106	GEN374	3/13/12	0.2	3/13/12	3/13/22
63144	GEN374	3/13/12	0.5	3/13/12	3/13/22
65039	GEN374	3/19/12	2.6	3/20/12	3/20/22
63131	GEN374	3/28/12	2.7	3/29/12	3/29/22
63122	GEN374	3/28/12	1.5	3/29/12	3/29/22
63011	GEN374	3/28/12	0.9	3/29/12	3/29/22
63068	GEN374	4/2/12	2.2	4/3/12	4/3/22
63010	GEN374	4/18/12	0.1	4/18/12	4/18/22
63010	GEN374	4/18/12	0.1	4/18/12	4/18/22
63010	GEN374	4/18/12	0.1	4/18/12	4/18/22
63010	GEN374	4/18/12	0.1	4/18/12	4/18/22

63010	GEN374	4/18/12	0.1	4/18/12	4/18/22
63010	GEN374	4/18/12	0.1	4/18/12	4/18/22
63010	GEN374	4/18/12	0.1	4/18/12	4/18/22
63052	GEN374	4/19/12	2.3	4/20/12	4/20/22
63701	GEN374	4/24/12	0.3	4/24/12	3/10/22
63126	GEN374	5/1/12	6.6	5/1/12	11/4/21
63052	GEN374	5/3/12	1.9	5/4/12	5/4/22
63010	GEN374	5/3/12	1.2	5/4/12	5/4/22
63366	GEN374	5/10/12	9.1	5/10/12	12/10/21
63109	GEN374	5/11/12	0.8	5/12/12	5/12/22
63366	GEN374	5/14/12	2.4	5/15/12	5/15/22
65041	GEN374	5/15/12	2.3	5/16/12	5/16/22
63366	GEN374	5/18/12	4.4	5/19/12	5/19/22
63025	GEN374	5/18/12	2.5	5/19/12	5/19/22
63010	GEN374	5/23/12	1.4	5/24/12	5/24/22
63090	GEN374	5/24/12	1.4	5/24/12	5/23/22
63368	GEN374	5/25/12	5	5/26/12	5/26/22
63028	GEN374	5/29/12	2.2	5/30/12	5/30/22
63118	GEN374	5/30/12	5.1	5/31/12	5/31/22
65049	GEN374	5/31/12	4.3	6/1/12	6/1/22
65052	GEN374	5/31/12	5	6/1/12	6/1/22
63038	GEN374	6/1/12	5	6/2/12	6/2/22
63376	GEN374	6/6/12	2	6/17/12	6/17/22
63124	GEN374	6/7/12	0.8	6/8/12	6/8/22
63130	GEN374	6/7/12	1.6	6/8/12	6/8/22
63069	GEN374	6/11/12	2.9	6/12/12	6/12/22
63069	GEN374	6/11/12	2.9	6/12/12	6/12/22
63069	GEN374	6/11/12	3.7	6/12/12	6/12/22
63104	GEN374	6/13/12	6	6/14/12	6/14/22
63015	GEN374	6/13/12	5.6	9/19/12	6/19/22
63026	GEN374	6/14/12	2.9	6/15/12	6/15/22
63366	GEN374	6/15/12	5.5	6/16/12	6/16/22
63118	GEN374	6/20/12	1.8	6/21/12	6/21/22
63366	GEN374	6/25/12	3.2	6/26/12	6/26/22
63112	GEN374	6/26/12	2.9	6/27/12	6/27/22
63051	GEN374	6/27/12	3.5	6/28/12	6/28/22
63090	GEN374	6/28/12	5.5	6/29/12	6/29/22
63090	GEN374	6/28/12	6.1	6/29/12	6/29/22
63109	GEN374	6/29/12	3.2	7/2/12	7/2/22
65109	GEN374	7/2/12	4.5	7/13/12	7/12/22
63368	GEN374	7/3/12	5.9	7/4/12	7/4/22
65068	GEN374	7/9/12	6.5	7/10/12	7/10/22
63129	GEN374	7/10/12	5.7	7/11/12	7/11/22

63108	GEN374	7/11/12	5.4	7/12/12	7/12/22
63366	GEN374	7/11/12	3.3	7/12/12	7/12/22
65049	GEN374	7/11/12	4.6	7/12/12	7/12/22
63122	GEN374	7/11/12	4.8	7/14/12	7/14/22
63069	GEN374	7/12/12	5.8	7/13/12	7/13/22
63017	GEN374	7/13/12	6.1	7/14/12	7/14/22
65043	GEN374	7/13/12	5.8	7/14/12	7/14/22
63143	GEN374	7/16/12	6.5	7/16/12	7/16/22
63051	GEN374	7/16/12	6.7	7/17/12	7/17/22
63026	GEN374	7/17/12	3.3	7/18/12	7/18/22
63114	GEN374	7/18/12	3.5	7/19/12	7/19/22
63146	GEN374	7/19/12	3.1	7/20/12	7/20/22
65026	GEN374	7/20/12	4.6	7/21/12	7/21/22
63042	GEN374	7/22/12	1.9	7/22/12	7/13/22
63130	GEN374	7/25/12	1	7/25/12	7/20/22
63023	GEN374	7/26/12	6.7	7/27/12	7/27/22
65285	GEN374	8/1/12	7.3	8/2/12	8/2/22
63366	GEN374	8/1/12	6.1	8/3/12	8/3/22
63110	GEN374	8/2/12	5	8/3/12	8/3/22
63108- 3014	GEN374	8/2/12	6.2	8/7/12	8/7/22
63010	GEN374	8/3/12	7.1	8/4/12	8/4/22
63129	GEN374	8/3/12	6.2	8/4/12	8/4/22
63119	GEN374	8/3/12	1.1	8/14/12	8/14/22
63026	GEN374	8/7/12	2.9	8/7/12	8/7/22
63128	GEN374	8/7/12	6.1	8/8/12	8/8/22
63376	GEN374	8/8/12	7.1	8/9/12	8/9/22
63366	GEN374	8/8/12	4.9	8/9/12	8/9/22
63011	GEN374	8/9/12	2.4	8/9/12	4/18/22
63376	GEN374	8/10/12	4.5	8/11/12	8/11/22
63026	GEN374	8/13/12	6.7	8/14/12	8/14/22
63119	GEN374	8/14/12	3	8/15/12	8/15/22
63105	GEN374	8/15/12	2.2	8/15/12	8/15/22
63376	GEN374	8/15/12	7.5	8/16/12	8/16/22
63109	GEN374	8/15/12	4.5	8/16/12	8/16/22
63128	GEN374	8/17/12	3.8	8/17/12	7/28/22
63069	GEN374	8/22/12	4.7	8/22/12	8/7/22
63041	GEN374	8/22/12	7.6	8/22/12	8/12/22
63069	GEN374	8/22/12	5.1	8/23/12	8/23/22
63122	GEN374	8/23/12	5.9	8/24/12	8/24/22
63069	GEN374	8/29/12	6.6	8/30/12	8/30/22
63119	GEN374	8/29/12	5.9	8/30/12	8/30/22
63379	GEN374	8/29/12	7.8	8/31/12	8/31/22

63119	GEN374	8/29/12	3	8/31/12	8/31/22
63366	GEN374	9/5/12	4.4	9/6/12	9/6/22
65026	GEN374	9/7/12	7.6	9/7/12	8/17/22
63069	GEN374	9/9/12	5.1	9/10/12	9/10/22
63127	GEN374	9/13/12	6.8	9/14/12	9/14/22
63033	GEN374	9/17/12	6.5	9/18/12	9/18/22
63131	GEN374	9/17/12	5.8	9/18/12	9/18/22
63131	GEN374	9/17/12	6.5	9/18/12	9/18/22
63385	GEN374	9/20/12	8.2	9/21/12	9/21/22
63701	GEN374	9/20/12	5.5	9/21/12	9/21/22
63126	GEN374	9/24/12	5.9	9/25/12	9/25/22
63104	GEN374	9/24/12	4.5	9/25/12	9/25/22
63304	GEN374	9/24/12	8.9	9/25/12	9/25/22
63034	GEN374	9/24/12	4.8	9/25/12	9/25/22
63033	GEN374	9/24/12	5.8	9/25/12	9/25/22
63301	GEN374	9/24/12	4.8	9/25/12	9/25/22
63010	GEN374	9/26/12	4.1	9/26/12	9/1/22
63366	GEN374	9/26/12	7.3	9/27/12	9/27/22
63146	GEN374	10/1/12	2.4	10/2/12	10/2/22
63376	GEN374	10/1/12	9.1	10/2/12	10/2/22
63301	GEN374	10/1/12	5.1	10/2/12	10/2/22
63376	GEN374	10/1/12	7	10/2/12	10/2/22
63640	GEN374	10/1/12	11.2	10/2/13	10/2/22
63801	GEN374	10/5/12	5.9	10/5/12	10/5/22
63824	GEN374	10/5/12	6.8	10/6/12	10/6/22
63366	GEN374	10/5/12	6.2	10/6/12	10/6/22
63038	GEN374	10/8/12	9	10/10/12	10/10/22
63084	GEN374	10/8/12	6.4	10/18/12	10/18/22
63005	GEN374	10/9/12	9.5	10/10/12	10/10/22
63349	GEN374	10/9/12	9.3	10/10/12	10/10/22
63368	GEN374	10/9/12	7.9	10/10/12	10/10/22
63357	GEN374	10/9/12	9.8	10/23/12	10/23/22
63110	GEN374	10/11/12	2.1	10/12/12	10/12/22
63130	GEN374	10/11/12	5.9	10/12/12	10/12/22
63089	GEN374	10/15/12	4.2	10/16/12	10/16/22
63132	GEN374	10/16/12	8.3	10/17/12	10/17/22
63028	GEN374	10/19/12	9.1	10/20/12	10/20/22
63026	GEN374	10/19/12	4.1	10/20/12	10/20/22
63343	GEN374	10/22/12	9.2	10/22/12	10/20/22
63368	GEN374	10/26/12	10.2	10/27/12	10/27/22
63701	GEN374	10/26/12	7.5	10/27/12	10/27/22
63379	GEN374	10/26/12	10.2	10/27/12	10/27/22
63146	GEN374	10/30/12	6.6	10/31/12	10/31/22

63118	GEN374	10/31/12	5.2	11/1/12	11/1/22
63303	GEN374	11/5/12	6.9	11/6/12	11/6/22
63104	GEN374	11/6/12	6.5	11/7/12	11/7/22
63104	GEN374	11/6/12	8.4	11/7/12	11/7/22
63038	GEN374	11/6/12	10.4	11/7/12	11/7/22
63124	GEN374	11/7/12	10.2	11/8/12	11/8/22
63703	GEN374	11/7/12	9.7	11/8/12	11/8/22
63088	GEN374	11/7/12	10.6	11/8/12	11/8/22
63020	GEN374	11/8/12	8.6	11/9/12	11/9/22
63104	GEN374	11/8/12	8.7	11/9/12	11/9/22
63119	GEN374	11/9/12	5.6	11/10/12	11/10/22
63068	GEN374	11/16/12	10.6	11/17/12	11/17/22
63110	GEN374	11/20/12	2.4	11/21/12	11/21/22
63301	GEN374	11/28/12	10.4	11/29/12	11/29/22
63131	GEN374	11/28/12	11.1	11/29/12	11/29/22
63070	GEN374	11/30/12	9.2	12/1/12	12/1/22
63068	GEN374	12/4/12	4.9	12/5/12	12/5/22
63334	GEN374	12/6/12	11.6	12/7/12	12/7/22
63015	GEN374	12/7/12	10.7	12/8/12	12/8/22
63012	GEN374	12/13/12	8.6	12/14/12	12/14/22
63131	GEN374	12/14/12	11.9	12/15/12	12/15/22
63055	GEN374	12/14/12	10.4	12/15/12	12/15/22
63146	GEN374	12/18/12	5.2	12/19/12	12/19/22
63104	GEN374	12/19/12	6	12/20/12	12/20/22
63069	GEN374	12/27/12	10.1	12/27/12	12/27/22
65049	GEN374	12/28/12	12.4	12/28/12	12/28/22
65049	GEN374	12/28/12	10	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	9	9/26/12	9/26/22
63376	GEN510	10/9/12	5.6	10/10/12	10/10/22
63021	GEN510	10/9/12	9.6	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	0.2	10/12/12	10/12/22
63376	GEN510	10/15/12	9.8	10/16/12	10/16/22
63139	GEN510	10/22/12	8.2	10/23/12	10/23/22
63124	GEN510	10/31/12	4.2	11/1/12	11/1/22
63119	GEN510	10/31/12	6.5	11/1/12	11/1/22
63301	GEN510	10/31/12	12.1	1/1/13	1/1/23
65043	GEN510	11/1/12	10.1	11/2/12	11/2/22

63124	GEN510	11/6/12	10.6	11/7/12	11/7/22
63660	GEN510	11/8/12	1.4	11/9/12	11/9/22
63110	GEN510	11/8/12	10.6	11/9/12	11/9/22
63126	GEN510	11/9/12	4.7	11/10/12	11/10/22
63624	GEN510	11/13/12	1.6	11/14/12	11/14/22
63361	GEN510	11/19/12	0.3	11/20/12	11/20/22
63628	GEN510	11/23/12	11.8	12/8/12	12/8/22
63379	GEN510	11/28/12	11	11/29/12	11/29/22
63303	GEN510	11/28/12	5.6	11/29/12	11/29/22
63021	GEN510	11/28/12	11.3	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	10.2	11/30/12	11/20/22
63116	GEN510	11/30/12	4.8	12/1/12	12/1/22
63050	GEN510	12/3/12	9.4	12/4/12	12/4/22
63049	GEN510	12/7/12	6	12/8/12	12/8/22
63303	GEN510	12/7/12	11.3	12/8/12	12/8/22
63090	GEN510	12/7/12	10.1	12/8/12	12/8/22
63129	GEN510	12/7/12	11.5	1/1/13	1/1/23
65101	GEN510	12/10/12	11.1	12/11/12	12/11/22
65066	GEN510	12/12/12	9.8	12/13/12	12/13/22
63015	GEN510	12/13/12	6.7	12/14/12	12/14/22
63005	GEN510	12/13/12	11.8	12/14/12	12/14/22
63011	GEN510	12/13/12	9.4	12/14/12	12/14/22
63038	GEN510	12/13/12	12	12/14/13	12/14/23
63090	GEN510	12/14/12	11.7	12/15/12	12/15/22
63090	GEN510	12/14/12	7.5	12/15/12	12/15/23
63090	GEN510	12/14/12	7	12/15/12	12/15/22
63090	GEN510	12/14/12	9.1	12/15/12	12/15/22
63043	GEN510	12/14/12	6.4	12/15/12	12/15/22
63119	GEN510	12/14/12	3.7	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	10/16/13	10/16/23
63135	GEN510	10/16/13	10	10/16/13	10/14/23

64465	GEN510	10/16/13	31	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	12/30/13	12/30/23
63131	GEN510	12/30/13	17	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	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	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	1/6/14	1/6/24
63044	GEN1119	1/6/14	34	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	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	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	1/14/14	1/14/24
63103	GEN1119	1/14/14	34	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	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	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	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	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	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	2/3/14	2/3/24
63028	GEN1119	2/3/14	20	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	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	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	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	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	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	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	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	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	2/18/14	2/18/24
65065	GEN1119	2/18/14	34	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	2/19/14	2/19/24
63110	GEN1119	2/19/14	34	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	2/19/14	2/19/24
63132	GEN1119	2/19/14	9	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	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	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	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	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	3/11/14	3/11/24
63012	GEN1119	3/11/14	11	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

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	5/12/14	5/12/24
63090	GEN1119	5/12/14	34	5/12/14	5/12/24
63090	GEN1119	5/12/14	34	5/12/14	5/12/24
63090	GEN1119	5/12/14	34	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	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	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	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	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	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	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	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	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	5/23/14	5/23/24
63640	GEN1119	5/23/14	31	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	7/29/14	7/29/24
63016	GEN1119	7/29/14	11	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	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	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	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	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	4.1	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	3.1	5/18/12	5/18/22
63146	GEN2204	5/25/12	2.5	6/27/12	6/27/22
63701	GEN2204	6/26/12	4.6	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	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	5.8	10/12/12	10/12/22
63109	GEN2204	11/6/12	14.4	11/6/12	11/5/23
63105	GEN2204	11/9/12	6.8	11/9/13	11/9/23
63044	GEN2204	11/26/12	28.2	11/26/12	11/26/23
63044	GEN2204	11/28/12	28.2	11/28/12	11/26/23
63049	GEN2204	12/7/12	4	6/6/14	6/6/24
63026	GEN2204	12/11/12	29.8	12/11/12	12/11/22
63026	GEN2204	12/11/12	29.8	12/11/12	12/11/22

63026	GEN2204	12/11/12	29.8	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	21.2	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	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	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	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	6/10/13	6/10/23
63139	GEN2204	6/10/13	22	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	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	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	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	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	6/19/24
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	GEN3655	9/25/14	7.4	9/25/14	9/25/24
63841	GEN3655	10/7/14	32.4	10/7/14	10/7/24
63143	GEN3655	12/29/15	33.7	12/29/15	12/29/25
65263	GEN3655	12/13/16	13.7	12/13/16	12/13/26
65259	GEN3655	12/22/16	18.8	12/22/16	12/22/26
65270	GEN3655	1/10/17	34.2	1/10/17	1/10/27
63624	GEN3655	1/17/17	13.7	1/17/17	1/17/27
63016	GEN3655	1/26/17	7.6	1/26/17	1/26/27
63366	GEN3655	3/10/17	9.8	3/10/17	3/10/27
63010	GEN3655	4/20/17	11.6	4/20/17	4/20/27
65233	GEN3655	8/1/17	34.2	8/1/17	8/1/27
63023	GEN3655	8/31/17	13.5	8/31/17	8/31/27
65270	GEN3638	1/3/19	6.7	1/3/19	1/3/2029
65014	GEN3638	1/3/19	1.5	1/3/19	1/3/2029
65265	GEN3638	1/4/19	208.9	1/4/19	1/4/2029
63036	GEN3638	1/4/19	7.2	1/4/19	1/4/2029
63020	GEN3638	1/8/19	10.5	1/8/19	1/8/2029
65052	GEN3638	1/8/19	21	1/8/19	1/8/2029
63366	GEN3638	1/9/19	104.3	1/9/19	1/9/2029
65270	GEN3638	1/9/19	18.2	1/9/19	1/9/2029
63084	GEN3638	1/9/19	16.4	1/9/19	1/9/2029
63383	GEN3638	1/11/19	13.6	1/11/19	1/11/2029
63379	GEN3638	1/17/19	33.6	1/17/19	1/17/2029
64671	GEN3638	1/17/19	12.1	1/17/19	1/17/2029
63304	GEN3638	1/17/19	6.2	1/17/19	1/17/2029
63301	GEN3638	1/18/19	13.4	1/18/19	1/18/2029
63104	GEN3638	1/18/19	11.5	1/18/19	1/18/2029
63034	GEN3638	1/18/19	10.4	1/18/19	1/18/2029
63303	GEN3638	1/21/19	6.9	1/21/19	1/21/2029
63020	GEN3638	1/22/19	24.2	1/22/19	1/22/2029
63071	GEN3638	1/22/19	12.5	1/22/19	1/22/2029
63117	GEN3638	1/22/19	11.6	1/22/19	1/22/2029
63109	GEN3638	1/22/19	10.7	1/22/19	1/22/2029
63105	GEN3638	1/22/19	10.4	1/22/19	1/22/2029
63139	GEN3638	1/22/19	9.5	1/22/19	1/22/2029
63546	GEN3638	1/23/19	14.5	1/23/19	1/23/2029
63379	GEN3638	1/24/19	49.5	1/24/19	1/24/2029
65043	GEN3638	1/24/19	25.1	1/24/19	1/24/2029
63119	GEN3638	1/24/19	6.6	1/24/19	1/24/2029
63136	GEN3638	1/24/19	8.8	1/24/19	1/24/2029
63110	GEN3638	1/24/19	7.7	1/24/19	1/24/2029
63130	GEN3638	1/24/19	6.1	1/24/19	1/24/2029

63379	GEN3638	1/25/19	208.9	1/25/19	1/25/2029
63501	GEN3638	1/25/19	11.3	1/25/19	1/25/2029
63021	GEN3638	1/25/19	11.1	1/25/19	1/25/2029
65072	GEN3638	1/25/19	7.5	1/25/19	1/25/2029
63139	GEN3638	1/25/19	6.3	1/25/19	1/25/2029
63501	GEN3638	1/28/19	208.7	1/28/19	1/28/2029
65262	GEN3638	1/28/19	9.2	1/28/19	1/28/2029
63071	GEN3638	1/29/19	2.5	1/29/19	1/29/2029
63130	GEN3638	1/30/19	13.5	1/30/19	1/30/2029
63121	GEN3638	1/31/19	9.7	1/31/19	1/31/2029
63011	GEN3638	2/1/19	20.9	2/1/19	2/1/2029
63628	GEN3638	2/1/19	10.5	2/1/19	2/1/2029
63435	GEN3638	2/1/19	10.1	2/1/19	2/1/2029
63021	GEN3638	2/1/19	9.7	2/1/19	2/1/2029
63021	GEN3638	2/1/19	9.2	2/1/19	2/1/2029
63116	GEN3638	2/1/19	5.8	2/1/19	2/1/2029
64062	GEN3638	2/4/19	73.5	2/4/19	2/4/2029
65265	GEN3638	2/4/19	17.5	2/4/19	2/4/2029
63122	GEN3638	2/4/19	11	2/4/19	2/4/2029
63123	GEN3638	2/4/19	7.8	2/4/19	2/4/2029
63303	GEN3638	2/5/19	20.3	2/5/19	2/5/2029
63385	GEN3638	2/5/19	27.2	2/5/19	2/5/2029
65043	GEN3638	2/5/19	18	2/5/19	2/5/2029
65270	GEN3638	2/5/19	22.7	2/5/19	2/5/2029
63115	GEN3638	2/5/19	6.4	2/5/19	2/5/2029
63044	GEN3638	2/5/19	5.7	2/5/19	2/5/2029
63561	GEN3638	2/6/19	139	2/6/19	2/6/2029
63129	GEN3638	2/6/19	21.1	2/6/19	2/6/2029
63107	GEN3638	2/7/19	123.5	2/7/19	2/7/2029
63301	GEN3638	2/7/19	7.4	2/7/19	2/7/2029
63701	GEN3638	2/8/19	41.5	2/8/19	2/8/2029
65013	GEN3638	2/8/19	20.1	2/8/19	2/8/2029
63068	GEN3638	2/8/19	14.2	2/8/19	2/8/2029
63028	GEN3638	2/8/19	12.9	2/8/19	2/8/2029
63023	GEN3638	2/12/19	23.8	2/12/19	2/12/2029
63501	GEN3638	2/12/19	18.9	2/12/19	2/12/2029
63051	GEN3638	2/12/19	8.3	2/12/19	2/12/2029
63630	GEN3638	2/13/19	23.2	2/13/19	2/13/2029
63640	GEN3638	2/13/19	14.2	2/13/19	2/13/2029
65274	GEN3638	2/14/19	8.6	2/14/19	2/14/2029
65270	GEN3638	2/14/19	18.9	2/14/19	2/14/2029
63026	GEN3638	2/14/19	14.6	2/14/19	2/14/2029
63020	GEN3638	2/14/19	14.1	2/14/19	2/14/2029

63501	GEN3638	2/14/19	10.9	2/14/19	2/14/2029
63771	GEN3638	2/14/19	8.9	2/14/19	2/14/2029
63077	GEN3638	2/15/19	44.1	2/15/19	2/15/2029
63077	GEN3638	2/15/19	60.7	2/15/19	2/15/2029
63077	GEN3638	2/15/19	39.4	2/15/19	2/15/2029
63344	GEN3638	2/15/19	25.9	2/15/19	2/15/2029
65109	GEN3638	2/15/19	1.7	2/15/19	2/15/2029
63055	GEN3638	2/16/19	18.6	2/16/19	2/16/2029
63026	GEN3638	2/19/19	43.2	2/19/19	2/19/2029
63084	GEN3638	2/19/19	28.8	2/19/19	2/19/2029
63084	GEN3638	2/19/19	20.3	2/19/19	2/19/2029
63069	GEN3638	2/19/19	14.1	2/19/19	2/19/2029
65101	GEN3638	2/20/19	208.7	2/20/19	2/20/2029
64062	GEN3638	2/21/19	42.7	2/21/19	2/21/2029
63376	GEN3638	2/21/19	18.9	2/21/19	2/21/2029
63109	GEN3638	2/22/19	18.6	2/22/19	2/22/2029
65026	GEN3638	2/22/19	17.7	2/22/19	2/22/2029
63051	GEN3638	2/22/19	17	2/22/19	2/22/2029
63116	GEN3638	2/22/19	15.9	2/22/19	2/22/2029
63017	GEN3638	2/22/19	15.4	2/22/19	2/22/2029
63119	GEN3638	2/22/19	11.7	2/22/19	2/22/2029
63139	GEN3638	2/22/19	8.4	2/22/19	2/22/2029
63026	GEN3638	2/22/19	4.2	2/22/19	2/22/2029
65058	GEN3638	2/25/19	8.7	2/25/19	2/25/2029
63645	GEN3638	2/25/19	21.7	2/25/19	2/25/2029
63622	GEN3638	2/26/19	19	2/26/19	2/26/2029
65052	GEN3638	2/26/19	17.4	2/26/19	2/26/2029
64024	GEN3638	2/26/19	14.6	2/26/19	2/26/2029
65270	GEN3638	2/27/19	6.5	2/27/19	2/27/2029
65101	GEN3638	2/28/19	9.2	2/28/19	2/28/2029
63357	GEN3638	3/1/19	22.1	3/1/19	3/1/2029
63028	GEN3638	3/4/19	17.9	3/4/19	3/4/2029
63123	GEN3638	3/4/19	8.1	3/4/19	3/4/2029
63068	GEN3638	3/5/19	47.8	3/5/19	3/5/2029
63125	GEN3638	3/7/19	8.1	3/7/19	3/7/2029
63114	GEN3638	3/8/19	70.6	3/8/19	3/8/2029
63077	GEN3638	3/8/19	13.3	3/8/19	3/8/2029
65109	GEN3638	3/11/19	104.3	3/11/19	3/11/2029
63116	GEN3638	3/11/19	20.2	3/11/19	3/11/2029
63132	GEN3638	3/11/19	19.6	3/11/19	3/11/2029
63051	GEN3638	3/11/19	18.6	3/11/19	3/11/2029
63114	GEN3638	3/11/19	14.2	3/11/19	3/11/2029
63122	GEN3638	3/11/19	13	3/11/19	3/11/2029

63125	GEN3638	3/11/19	11.4	3/11/19	3/11/2029
63132	GEN3638	3/11/19	8.4	3/11/19	3/11/2029
63126	GEN3638	3/11/19	5.5	3/11/19	3/11/2029
65233	GEN3638	3/12/19	13.8	3/12/19	3/12/2029
65270	GEN3638	3/12/19	10.9	3/12/19	3/12/2029
63028	GEN3638	3/12/19	32.1	3/12/19	3/12/2029
63628	GEN3638	3/12/19	16.8	3/12/19	3/12/2029
63033	GEN3638	3/12/19	14	3/12/19	3/12/2029
63021	GEN3638	3/13/19	54.3	3/13/19	3/13/2029
63336	GEN3638	3/13/19	42.3	3/13/19	3/13/2029
63005	GEN3638	3/13/19	12.5	3/13/19	3/13/2029
63049	GEN3638	3/13/19	2.9	3/13/19	3/13/2029
64024	GEN3638	3/14/19	70.4	3/14/19	3/14/2029
63069	GEN3638	3/14/19	43	3/14/19	3/14/2029
63084	GEN3638	3/14/19	29	3/14/19	3/14/2029
63077	GEN3638	3/14/19	16.2	3/14/19	3/14/2029
63701	GEN3638	3/14/19	4.5	3/14/19	3/14/2029
63077	GEN3638	3/15/19	73.3	3/15/19	3/15/2029
65026	GEN3638	3/15/19	34.3	3/15/19	3/15/2029
63664	GEN3638	3/15/19	24.1	3/15/19	3/15/2029
65101	GEN3638	3/15/19	13	3/15/19	3/15/2029
65109	GEN3638	3/15/19	9.6	3/15/19	3/15/2029
65265	GEN3638	3/18/19	103.2	3/18/19	3/18/2029
65043	GEN3638	3/19/19	22.1	3/19/19	3/19/2029
63303	GEN3638	3/19/19	16.3	3/19/19	3/19/2029
63376	GEN3638	3/19/19	13.6	3/19/19	3/19/2029
63132	GEN3638	3/19/19	13.4	3/19/19	3/19/2029
63049	GEN3638	3/19/19	11.7	3/19/19	3/19/2029
63301	GEN3638	3/19/19	11.7	3/19/19	3/19/2029
63303	GEN3638	3/19/19	10	3/19/19	3/19/2029
63123	GEN3638	3/20/19	74	3/20/19	3/20/2029
63021	GEN3638	3/20/19	15.4	3/20/19	3/20/2029
63755	GEN3638	3/20/19	9.2	3/20/19	3/20/2029
65058	GEN3638	3/22/19	32	3/22/19	3/22/2029
63084	GEN3638	3/22/19	20.2	3/22/19	3/22/2029
63072	GEN3638	3/22/19	11.3	3/22/19	3/22/2029
63630	GEN3638	3/25/19	14.7	3/25/19	3/25/2029
64062	GEN3638	3/26/19	14	3/26/19	3/26/2029
65041	GEN3638	3/27/19	53.8	3/27/19	3/27/2029
63536	GEN3638	3/28/19	43.5	3/28/19	3/28/2029
63026	GEN3638	4/1/19	20.2	4/1/19	4/1/2029
63017	GEN3638	4/1/19	16.5	4/1/19	4/1/2029
63501	GEN3638	4/2/19	25.3	4/2/19	4/2/2029

65039	GEN3638	4/2/19	11.9	4/2/19	4/2/2029
63303	GEN3638	4/3/19	15.9	4/3/19	4/3/2029
63020	GEN3638	4/3/19	13.9	4/3/19	4/3/2029
63084	GEN3638	4/4/19	19.2	4/4/19	4/4/2029
63069	GEN3638	4/4/19	14.8	4/4/19	4/4/2029
63015	GEN3638	4/4/19	11.9	4/4/19	4/4/2029
63090	GEN3638	4/5/19	208.9	4/5/19	4/5/2029
63125	GEN3638	4/5/19	138.9	4/5/19	4/5/2029
65101	GEN3638	4/5/19	17.8	4/5/19	4/5/2029
63005	GEN3638	4/5/19	13.1	4/5/19	4/5/2029
63130	GEN3638	4/6/19	12.2	4/6/19	4/6/2029
65043	GEN3638	4/8/19	16.7	4/8/19	4/8/2029
65101	GEN3638	4/9/19	137.9	4/9/19	4/9/2029
63131	GEN3638	4/9/19	25	4/9/19	4/9/2029
65043	GEN3638	4/9/19	20.1	4/9/19	4/9/2029
65109	GEN3638	4/9/19	8.3	4/9/19	4/9/2029
64024	GEN3638	4/9/19	5.8	4/9/19	4/9/2029
64024	GEN3638	4/9/19	12.2	4/9/19	4/9/2029
65084	GEN3638	4/11/19	18.8	4/11/19	4/11/2029
65084	GEN3638	4/11/19	42.5	4/11/19	4/11/2029
63501	GEN3638	4/12/19	19.1	4/12/19	4/12/2029
63376	GEN3638	4/12/19	10.7	4/12/19	4/12/2029
63501	GEN3638	4/16/19	25.6	4/16/19	4/16/2029
63533	GEN3638	4/16/19	10.9	4/16/19	4/16/2029
63090	GEN3638	4/17/19	208.6	4/17/19	4/17/2029
63435	GEN3638	4/18/19	137.8	4/18/19	4/18/2029
63111	GEN3638	4/19/19	58.1	4/19/19	4/19/2029
63834	GEN3638	4/22/19	21	4/22/19	4/22/2029
63385	GEN3638	4/22/19	14.5	4/22/19	4/22/2029
63130	GEN3638	4/22/19	12	4/22/19	4/22/2029
63114	GEN3638	4/22/19	11.8	4/22/19	4/22/2029
63144	GEN3638	4/22/19	9	4/22/19	4/22/2029
63110	GEN3638	4/22/19	6.1	4/22/19	4/22/2029
63366	GEN3638	4/23/19	24.1	4/23/19	4/23/2029
63033	GEN3638	4/23/19	86.5	4/23/19	4/23/2029
63104	GEN3638	4/23/19	26.8	4/23/19	4/23/2029
63361	GEN3638	4/23/19	16.8	4/23/19	4/23/2029
63016	GEN3638	4/23/19	14.2	4/23/19	4/23/2029
63131	GEN3638	4/23/19	13.6	4/23/19	4/23/2029
63137	GEN3638	4/23/19	10.1	4/23/19	4/23/2029
63128	GEN3638	4/23/19	8.1	4/23/19	4/23/2029
63146	GEN3638	4/23/19	3.6	4/23/19	4/23/2029
64628	GEN3638	4/24/19	13	4/24/19	4/24/2029

63123	GEN3638	4/24/19	9.4	4/24/19	4/24/2029
63077	GEN3638	4/25/19	131.2	4/25/19	4/25/2029
65058	GEN3638	4/25/19	91.5	4/25/19	4/25/2029
63435	GEN3638	4/25/19	137.3	4/25/19	4/25/2029
63453	GEN3638	4/25/19	34.8	4/25/19	4/25/2029
63010	GEN3638	4/25/19	13.8	4/25/19	4/25/2029
65270	GEN3638	4/26/19	10	4/26/19	4/26/2029
63110	GEN3638	4/26/19	58.5	4/26/19	4/26/2029
63110	GEN3638	4/26/19	5.8	4/26/19	4/26/2029
65233	GEN3638	4/27/19	79	4/27/19	4/27/2029
63044	GEN3638	4/27/19	9.2	4/27/19	4/27/2029
63031	GEN3638	4/27/19	8.1	4/27/19	4/27/2029
65084	GEN3638	4/30/19	208.9	4/30/19	4/30/2029
63640	GEN3638	4/30/19	25	4/30/19	4/30/2029
63012	GEN3638	4/30/19	23.8	4/30/19	4/30/2029
63628	GEN3638	4/30/19	18.3	4/30/19	4/30/2029
63435	GEN3638	5/1/19	67.1	5/1/19	5/1/2029
65039	GEN3638	5/1/19	11.3	5/1/19	5/1/2029
63376	GEN3638	5/2/19	10.4	5/2/19	5/2/2029
63501	GEN3638	5/3/19	19.3	5/3/19	5/3/2029
65270	GEN3638	5/6/19	13.5	5/6/19	5/6/2029
63135	GEN3638	5/6/19	12.5	5/6/19	5/6/2029
63050	GEN3638	5/6/19	11.7	5/6/19	5/6/2029
63136	GEN3638	5/6/19	10.4	5/6/19	5/6/2029
63130	GEN3638	5/6/19	6.7	5/6/19	5/6/2029
63353	GEN3638	5/8/19	45.8	5/8/19	5/8/2029
63830	GEN3638	5/8/19	5.8	5/8/19	5/8/2029
63090	GEN3638	5/9/19	70.2	5/9/19	5/9/2029
63435	GEN3638	5/9/19	126.1	5/9/19	5/9/2029
63055	GEN3638	5/9/19	15.3	5/9/19	5/9/2029
63077	GEN3638	5/9/19	9.2	5/9/19	5/9/2029
65109	GEN3638	5/10/19	6	5/10/19	5/10/2029
63049	GEN3638	5/10/19	29.1	5/10/19	5/10/2029
63103	GEN3638	5/10/19	26.4	5/10/19	5/10/2029
64644	GEN3638	5/10/19	21.4	5/10/19	5/10/2029
65026	GEN3638	5/10/19	18.6	5/10/19	5/10/2029
65049	GEN3638	5/10/19	14	5/10/19	5/10/2029
63050	GEN3638	5/10/19	13.8	5/10/19	5/10/2029
63366	GEN3638	5/10/19	11.9	5/10/19	5/10/2029
63130	GEN3638	5/10/19	10.5	5/10/19	5/10/2029
63125	GEN3638	5/10/19	7.5	5/10/19	5/10/2029
63366	GEN3638	5/13/19	72.2	5/13/19	5/13/2029
63366	GEN3638	5/13/19	16	5/13/19	5/13/2029

63132	GEN3638	5/13/19	113.9	5/13/19	5/13/2029
63110	GEN3638	5/13/19	81.7	5/13/19	5/13/2029
63130	GEN3638	5/13/19	3.9	5/13/19	5/13/2029
63366	GEN3638	5/14/19	15.8	5/14/19	5/14/2029
63052	GEN3638	5/14/19	11.1	5/14/19	5/14/2029
63077	GEN3638	5/15/19	138.1	5/15/19	5/15/2029
65265	GEN3638	5/15/19	20.9	5/15/19	5/15/2029
63084	GEN3638	5/15/19	13.8	5/15/19	5/15/2029
63118	GEN3638	5/16/19	22.6	5/16/19	5/16/2029
63050	GEN3638	5/16/19	15.2	5/16/19	5/16/2029
63116	GEN3638	5/16/19	7.3	5/16/19	5/16/2029
63435	GEN3638	5/17/19	139.3	5/17/19	5/17/2029
63084	GEN3638	5/20/19	34.4	5/20/19	5/20/2029
63077	GEN3638	5/20/19	69.9	5/20/19	5/20/2029
65285	GEN3638	5/20/19	18.8	5/20/19	5/20/2029
63084	GEN3638	5/20/19	17.5	5/20/19	5/20/2029
63069	GEN3638	5/21/19	158.2	5/21/19	5/21/2029
65081	GEN3638	5/21/19	16	5/21/19	5/21/2029
63069	GEN3638	5/21/19	140.8	5/21/19	5/21/2029
63069	GEN3638	5/21/19	119.9	5/21/19	5/21/2029
63077	GEN3638	5/21/19	94.2	5/21/19	5/21/2029
65274	GEN3638	5/21/19	13	5/21/19	5/21/2029
65081	GEN3638	5/21/19	13.5	5/21/19	5/21/2029
63435	GEN3638	5/22/19	28.5	5/22/19	5/22/2029
63385	GEN3638	5/23/19	18.7	5/23/19	5/23/2029
63139	GEN3638	5/24/19	29.3	5/24/19	5/24/2029
63123	GEN3638	5/24/19	86.5	5/24/19	5/24/2029
63640	GEN3638	5/24/19	25.2	5/24/19	5/24/2029
63304	GEN3638	5/24/19	24.6	5/24/19	5/24/2029
63129	GEN3638	5/24/19	11.7	5/24/19	5/24/2029
63139	GEN3638	5/24/19	10.3	5/24/19	5/24/2029
65010	GEN3638	5/28/19	8.7	5/28/19	5/28/2029
63648	GEN3638	5/29/19	28.1	5/29/19	5/29/2029
63624	GEN3638	5/29/19	8.5	5/29/19	5/29/2029
63301	GEN3638	5/30/19	32.5	5/30/19	5/30/2029
65011	GEN3638	5/30/19	17.9	5/30/19	5/30/2029
63021	GEN3638	5/31/19	104.3	5/31/19	5/31/2029
64628	GEN3638	5/31/19	21.4	5/31/19	5/31/2029
63116	GEN3638	5/31/19	6.7	5/31/19	5/31/2029
65043	GEN3638	6/1/19	5.3	6/1/19	6/1/2029
65270	GEN3638	6/3/19	7.4	6/3/19	6/3/2029
63052	GEN3638	6/3/19	8.8	6/3/19	6/3/2029
65270	GEN3638	6/5/19	15.6	6/5/19	6/5/2029

65270	GEN3638	6/5/19	20.2	6/5/19	6/5/2029
65270	GEN3638	6/6/19	66.2	6/6/19	6/6/2029
65270	GEN3638	6/6/19	16.5	6/6/19	6/6/2029
65270	GEN3638	6/6/19	24.8	6/6/19	6/6/2029
63033	GEN3638	6/7/19	1.3	6/7/19	6/7/2029
63069	GEN3638	6/10/19	26.7	6/10/19	6/10/2029
63118	GEN3638	6/10/19	12.5	6/10/19	6/10/2029
63144	GEN3638	6/10/19	8	6/10/19	6/10/2029
63020	GEN3638	6/11/19	7.5	6/11/19	6/11/2029
63044	GEN3638	6/11/19	138.9	6/11/19	6/11/2029
63301	GEN3638	6/11/19	71.7	6/11/19	6/11/2029
63119	GEN3638	6/11/19	14.5	6/11/19	6/11/2029
63127	GEN3638	6/11/19	14.3	6/11/19	6/11/2029
63026	GEN3638	6/11/19	14.3	6/11/19	6/11/2029
63129	GEN3638	6/11/19	11.6	6/11/19	6/11/2029
63124	GEN3638	6/11/19	10.1	6/11/19	6/11/2029
64650	GEN3638	6/11/19	8.1	6/11/19	6/11/2029
63110	GEN3638	6/12/19	83.7	6/12/19	6/12/2029
63139	GEN3638	6/12/19	34.9	6/12/19	6/12/2029
63069	GEN3638	6/12/19	45.5	6/12/19	6/12/2029
63028	GEN3638	6/12/19	15.6	6/12/19	6/12/2029
63025	GEN3638	6/12/19	11.5	6/12/19	6/12/2029
63628	GEN3638	6/12/19	5.2	6/12/19	6/12/2029
63109	GEN3638	6/12/19	8.5	6/12/19	6/12/2029
65270	GEN3638	6/13/19	132.4	6/13/19	6/13/2029
63090	GEN3638	6/13/19	33.1	6/13/19	6/13/2029
63090	GEN3638	6/13/19	82.5	6/13/19	6/13/2029
65270	GEN3638	6/13/19	20.2	6/13/19	6/13/2029
63090	GEN3638	6/13/19	138.9	6/13/19	6/13/2029
65270	GEN3638	6/13/19	99.3	6/13/19	6/13/2029
63348	GEN3638	6/13/19	23.4	6/13/19	6/13/2029
63383	GEN3638	6/13/19	23	6/13/19	6/13/2029
63336	GEN3638	6/13/19	13	6/13/19	6/13/2029
63090	GEN3638	6/13/19	17.5	6/13/19	6/13/2029
65056	GEN3638	6/14/19	28	6/14/19	6/14/2029
65270	GEN3638	6/14/19	18.4	6/14/19	6/14/2029
63077	GEN3638	6/14/19	17.1	6/14/19	6/14/2029
65072	GEN3638	6/14/19	16.5	6/14/19	6/14/2029
63055	GEN3638	6/14/19	7.6	6/14/19	6/14/2029
63501	GEN3638	6/16/19	104.5	6/16/19	6/16/2029
65270	GEN3638	6/16/19	132.4	6/16/19	6/16/2029
65109	GEN3638	6/17/19	39.6	6/17/19	6/17/2029
65270	GEN3638	6/17/19	49.6	6/17/19	6/17/2029

65270	GEN3638	6/17/19	29.4	6/17/19	6/17/2029
65270	GEN3638	6/17/19	137.9	6/17/19	6/17/2029
63011	GEN3638	6/17/19	104.3	6/17/19	6/17/2029
65023	GEN3638	6/17/19	24.5	6/17/19	6/17/2029
63105	GEN3638	6/17/19	12.5	6/17/19	6/17/2029
63141	GEN3638	6/17/19	13.8	6/17/19	6/17/2029
63126	GEN3638	6/17/19	10.7	6/17/19	6/17/2029
63144	GEN3638	6/17/19	9.4	6/17/19	6/17/2029
65084	GEN3638	6/18/19	14	6/18/19	6/18/2029
63119	GEN3638	6/18/19	8	6/18/19	6/18/2029
63021	GEN3638	6/18/19	7	6/18/19	6/18/2029
63110	GEN3638	6/19/19	113.3	6/19/19	6/19/2029
63068	GEN3638	6/19/19	15.1	6/19/19	6/19/2029
64024	GEN3638	6/20/19	12.5	6/20/19	6/20/2029
64024	GEN3638	6/20/19	11.6	6/20/19	6/20/2029
63084	GEN3638	6/21/19	100.3	6/21/19	6/21/2029
63084	GEN3638	6/21/19	139.4	6/21/19	6/21/2029
65072	GEN3638	6/21/19	24.9	6/21/19	6/21/2029
63020	GEN3638	6/21/19	21.9	6/21/19	6/21/2029
63005	GEN3638	6/21/19	13.8	6/21/19	6/21/2029
63112	GEN3638	6/21/19	10.9	6/21/19	6/21/2029
63088	GEN3638	6/21/19	10.7	6/21/19	6/21/2029
63144	GEN3638	6/21/19	10.4	6/21/19	6/21/2029
63628	GEN3638	6/21/19	10.3	6/21/19	6/21/2029
63104	GEN3638	6/21/19	10.2	6/21/19	6/21/2029
63118	GEN3638	6/21/19	6.7	6/21/19	6/21/2029
65072	GEN3638	6/21/19	6	6/21/19	6/21/2029
63026	GEN3638	6/21/19	5.9	6/21/19	6/21/2029
63110	GEN3638	6/21/19	5.7	6/21/19	6/21/2029
63128	GEN3638	6/22/19	138.4	6/22/19	6/22/2029
65270	GEN3638	6/24/19	31.3	6/24/19	6/24/2029
65270	GEN3638	6/24/19	138.8	6/24/19	6/24/2029
65270	GEN3638	6/24/19	135.1	6/24/19	6/24/2029
63501	GEN3638	6/24/19	3.6	6/24/19	6/24/2029
65270	GEN3638	6/24/19	34.1	6/24/19	6/24/2029
65063	GEN3638	6/24/19	13	6/24/19	6/24/2029
65010	GEN3638	6/24/19	12.5	6/24/19	6/24/2029
63050	GEN3638	6/24/19	11.4	6/24/19	6/24/2029
63132	GEN3638	6/25/19	4.5	6/25/19	6/25/2029
65270	GEN3638	6/25/19	27.8	6/25/19	6/25/2029
65270	GEN3638	6/25/19	18.6	6/25/19	6/25/2029
63640	GEN3638	6/25/19	10.4	6/25/19	6/25/2029
63112	GEN3638	6/26/19	208.9	6/26/19	6/26/2029

63301	GEN3638	6/26/19	139.3	6/26/19	6/26/2029
63084	GEN3638	6/26/19	29.9	6/26/19	6/26/2029
63023	GEN3638	6/26/19	18.1	6/26/19	6/26/2029
63303	GEN3638	6/26/19	12.1	6/26/19	6/26/2029
63068	GEN3638	6/26/19	5.8	6/26/19	6/26/2029
63124	GEN3638	6/26/19	7.5	6/26/19	6/26/2029
63368	GEN3638	6/26/19	23	6/26/19	6/26/2029
63119	GEN3638	6/27/19	40	6/27/19	6/27/2029
65109	GEN3638	6/27/19	13.5	6/27/19	6/27/2029
63139	GEN3638	6/27/19	57.7	6/27/19	6/27/2029
63033	GEN3638	6/27/19	9.7	6/27/19	6/27/2029
63435	GEN3638	6/27/19	208.9	6/27/19	6/27/2029
63650	GEN3638	6/27/19	20.2	6/27/19	6/27/2029
63119	GEN3638	6/27/19	34.1	6/27/19	6/27/2029
63010	GEN3638	6/27/19	18.1	6/27/19	6/27/2029
63143	GEN3638	6/27/19	10	6/27/19	6/27/2029
63430	GEN3638	6/27/19	139.3	6/27/19	6/27/2029
63435	GEN3638	6/27/19	34.6	6/27/19	6/27/2029
63012	GEN3638	6/27/19	208.9	6/27/19	6/27/2029
63110	GEN3638	6/27/19	208.9	6/27/19	6/27/2029
63017	GEN3638	6/27/19	104.3	6/27/19	6/27/2029
63830	GEN3638	6/27/19	139.7	6/27/19	6/27/2029
63127	GEN3638	6/27/19	34.2	6/27/19	6/27/2029
63010	GEN3638	6/27/19	7.1	6/27/19	6/27/2029
63301	GEN3638	6/27/19	10.9	6/27/19	6/27/2029
63126	GEN3638	6/27/19	8.3	6/27/19	6/27/2029
63138	GEN3638	6/27/19	10.3	6/27/19	6/27/2029
63130	GEN3638	6/28/19	208.9	6/28/19	6/28/2029
63132	GEN3638	6/28/19	8.6	6/28/19	6/28/2029
63111	GEN3638	6/28/19	8.5	6/28/19	6/28/2029
63108	GEN3638	6/28/19	8	6/28/19	6/28/2029
63873	GEN3638	6/29/19	28.5	6/29/19	6/29/2029
63103	GEN3638	6/29/19	170.3	6/29/19	6/29/2029
63873	GEN3638	6/29/19	104.6	6/29/19	6/29/2029
63873	GEN3638	6/29/19	20.4	6/29/19	6/29/2029
63105	GEN3638	6/29/19	17	6/29/19	6/29/2029
63015	GEN3638	6/30/19	2.3	6/30/19	6/30/2029
65109	GEN3638	7/1/19	138.9	7/1/19	7/1/2029
63126	GEN3638	7/1/19	208.6	7/1/19	7/1/2029
65101	GEN3638	7/1/19	15.8	7/1/19	7/1/2029
65265	GEN3638	7/1/19	34.9	7/1/19	7/1/2029
65109	GEN3638	7/1/19	29.1	7/1/19	7/1/2029
65270	GEN3638	7/1/19	12.9	7/1/19	7/1/2029

65101	GEN3638	7/1/19	11.2	7/1/19	7/1/2029
63084	GEN3638	7/2/19	73.1	7/2/19	7/2/2029
63359	GEN3638	7/2/19	41.8	7/2/19	7/2/2029
64062	GEN3638	7/2/19	42.1	7/2/19	7/2/2029
65265	GEN3638	7/2/19	138.9	7/2/19	7/2/2029
63021	GEN3638	7/2/19	13	7/2/19	7/2/2029
63090	GEN3638	7/2/19	26.1	7/2/19	7/2/2029
63357	GEN3638	7/2/19	21.4	7/2/19	7/2/2029
63376	GEN3638	7/2/19	17.9	7/2/19	7/2/2029
63357	GEN3638	7/2/19	10.7	7/2/19	7/2/2029
63357	GEN3638	7/2/19	6.4	7/2/19	7/2/2029
63017	GEN3638	7/3/19	56.1	7/3/19	7/3/2029
63005	GEN3638	7/3/19	208.6	7/3/19	7/3/2029
65265	GEN3638	7/3/19	139.3	7/3/19	7/3/2029
65265	GEN3638	7/3/19	139.3	7/3/19	7/3/2029
65049	GEN3638	7/3/19	34.8	7/3/19	7/3/2029
65072	GEN3638	7/3/19	9	7/3/19	7/3/2029
63050	GEN3638	7/3/19	14.3	7/3/19	7/3/2029
64024	GEN3638	7/3/19	13.6	7/3/19	7/3/2029
65049	GEN3638	7/3/19	12	7/3/19	7/3/2029
63050	GEN3638	7/3/19	8.3	7/3/19	7/3/2029
65049	GEN3638	7/3/19	6.4	7/3/19	7/3/2029
65259	GEN3638	7/5/19	139.3	7/5/19	7/5/2029
63026	GEN3638	7/5/19	208.9	7/5/19	7/5/2029
63134	GEN3638	7/5/19	54.6	7/5/19	7/5/2029
63103	GEN3638	7/5/19	33.1	7/5/19	7/5/2029
63104	GEN3638	7/5/19	14.1	7/5/19	7/5/2029
63123	GEN3638	7/5/19	132.8	7/5/19	7/5/2029
65084	GEN3638	7/5/19	8.1	7/5/19	7/5/2029
65270	GEN3638	7/5/19	34.8	7/5/19	7/5/2029
65081	GEN3638	7/5/19	34.8	7/5/19	7/5/2029
65263	GEN3638	7/5/19	29.1	7/5/19	7/5/2029
63304	GEN3638	7/5/19	16.3	7/5/19	7/5/2029
63112	GEN3638	7/5/19	14.1	7/5/19	7/5/2029
63026	GEN3638	7/5/19	12.7	7/5/19	7/5/2029
63017	GEN3638	7/5/19	12.4	7/5/19	7/5/2029
63026	GEN3638	7/5/19	10	7/5/19	7/5/2029
63119	GEN3638	7/5/19	8.9	7/5/19	7/5/2029
63126	GEN3638	7/5/19	7.6	7/5/19	7/5/2029
63830	GEN3638	7/8/19	118.6	7/8/19	7/8/2029
63021	GEN3638	7/8/19	104.3	7/8/19	7/8/2029
63101	GEN3638	7/8/19	26.6	7/8/19	7/8/2029
63110	GEN3638	7/8/19	156.3	7/8/19	7/8/2029

63084	GEN3638	7/8/19	31.3	7/8/19	7/8/2029
63090	GEN3638	7/8/19	17	7/8/19	7/8/2029
63146	GEN3638	7/8/19	16.7	7/8/19	7/8/2029
63830	GEN3638	7/9/19	138.9	7/9/19	7/9/2029
65270	GEN3638	7/9/19	116	7/9/19	7/9/2029
65270	GEN3638	7/9/19	48.4	7/9/19	7/9/2029
63038	GEN3638	7/9/19	18.8	7/9/19	7/9/2029
63034	GEN3638	7/9/19	18.2	7/9/19	7/9/2029
63021	GEN3638	7/9/19	17.4	7/9/19	7/9/2029
65233	GEN3638	7/9/19	8.4	7/9/19	7/9/2029
65233	GEN3638	7/9/19	6	7/9/19	7/9/2029
63108	GEN3638	7/10/19	39.4	7/10/19	7/10/2029
63021	GEN3638	7/10/19	34.8	7/10/19	7/10/2029
65043	GEN3638	7/10/19	26.1	7/10/19	7/10/2029
65043	GEN3638	7/10/19	22.6	7/10/19	7/10/2029
63650	GEN3638	7/10/19	18.2	7/10/19	7/10/2029
63040	GEN3638	7/10/19	6.5	7/10/19	7/10/2029
65043	GEN3638	7/11/19	65.2	7/11/19	7/11/2029
63051	GEN3638	7/11/19	26.2	7/11/19	7/11/2029
65270	GEN3638	7/12/19	50.1	7/12/19	7/12/2029
63830	GEN3638	7/12/19	139.7	7/12/19	7/12/2029
63034	GEN3638	7/12/19	34.8	7/12/19	7/12/2029
65101	GEN3638	7/12/19	24.6	7/12/19	7/12/2029
63129	GEN3638	7/13/19	62	7/13/19	7/13/2029
63103	GEN3638	7/13/19	14.6	7/13/19	7/13/2029
63104	GEN3638	7/13/19	5.1	7/13/19	7/13/2029
63020	GEN3638	7/15/19	14.8	7/15/19	7/15/2029
63122	GEN3638	7/15/19	10.2	7/15/19	7/15/2029
63103	GEN3638	7/16/19	41.6	7/16/19	7/16/2029
63112	GEN3638	7/16/19	208.9	7/16/19	7/16/2029
63030	GEN3638	7/17/19	23.8	7/17/19	7/17/2029
63026	GEN3638	7/17/19	138.9	7/17/19	7/17/2029
63031	GEN3638	7/17/19	10.3	7/17/19	7/17/2029
65061	GEN3638	7/18/19	14.4	7/18/19	7/18/2029
63021	GEN3638	7/18/19	8.5	7/18/19	7/18/2029
64062	GEN3638	7/22/19	137.4	7/22/19	7/22/2029
65043	GEN3638	7/22/19	27.6	7/22/19	7/22/2029
64465	GEN3638	7/23/19	208.6	7/23/19	7/23/2029
63069	GEN3638	7/23/19	28.1	7/23/19	7/23/2029
63021	GEN3638	7/24/19	14.1	7/24/19	7/24/2029
65270	GEN3638	7/25/19	114.9	7/25/19	7/25/2029
63028	GEN3638	7/25/19	18.7	7/25/19	7/25/2029
63129	GEN3638	7/26/19	115.9	7/26/19	7/26/2029

63028	GEN3638	7/26/19	31.4	7/26/19	7/26/2029
63873	GEN3638	7/29/19	104.6	7/29/19	7/29/2029
63640	GEN3638	7/30/19	34.8	7/30/19	7/30/2029
63301	GEN3638	7/30/19	6.1	7/30/19	7/30/2029
63830	GEN3638	8/2/19	139.4	8/2/19	8/2/2029
63873	GEN3638	8/2/19	69.7	8/2/19	8/2/2029
63114	GEN3638	8/2/19	91	8/2/19	8/2/2029
63026	GEN3638	8/6/19	148.9	8/6/19	8/6/2029
63376	GEN3638	8/8/19	12	8/8/19	8/8/2029
63801	GEN3638	8/13/19	15.9	8/13/19	8/13/2029
63132	GEN3638	8/13/19	0.9	8/13/19	8/13/2029
63084	GEN3638	8/14/19	39.8	8/14/19	8/14/2029
63303	GEN3638	8/14/19	6.3	8/14/19	8/14/2029
63026	GEN3638	8/19/19	19	8/19/19	8/19/2029
63020	GEN3638	8/20/19	13.7	8/20/19	8/20/2029
63103	GEN3638	8/21/19	6.4	8/21/19	8/21/2029
63701	GEN3638	8/21/19	4.2	8/21/19	8/21/2029
63023	GEN3638	8/22/19	19.6	8/22/19	8/22/2029
63390	GEN3638	8/22/19	14.4	8/22/19	8/22/2029
63601	GEN3638	8/23/19	10.2	8/23/19	8/23/2029
63025	GEN3638	8/23/19	22.6	8/23/19	8/23/2029
63020	GEN3638	8/23/19	29.1	8/23/19	8/23/2029
63304	GEN3638	8/27/19	195.2	8/27/19	8/27/2029
63049- 3362	GEN3638	8/28/19	12.2	8/28/19	8/28/2029
63005	GEN3638	8/28/19	103.9	8/28/19	8/28/2029
63005	GEN3638	8/28/19	103.9	8/28/19	8/28/2029
65109	GEN3638	9/3/19	13.9	9/3/19	9/3/2029
63119	GEN3638	9/4/19	139	9/4/19	9/4/2029
63016	GEN3638	9/4/19	16.2	9/4/19	9/4/2029
63141	GEN3638	9/5/19	11.1	9/5/19	9/5/2029
63026	GEN3638	9/5/19	8.9	9/5/19	9/5/2029
63021	GEN3638	9/5/19	8.3	9/5/19	9/5/2029
63104	GEN3638	9/6/19	17	9/6/19	9/6/2029
63139	GEN3638	9/9/19	48.1	9/9/19	9/9/2029
63830	GEN3638	9/9/19	139.7	9/9/19	9/9/2029
65263	GEN3638	9/13/19	25.4	9/13/19	9/13/2029
63376	GEN3638	9/13/19	13.8	9/13/19	9/13/2029
63630	GEN3638	9/13/19	7.9	9/13/19	9/13/2029
65049	GEN3638	9/13/19	11.9	9/13/19	9/13/2029
63128	GEN3638	9/17/19	34.8	9/17/19	9/17/2029
63011	GEN3638	9/17/19	8	9/17/19	9/17/2029
63114	GEN3638	9/19/19	7.6	9/19/19	9/19/2029

63127	GEN3638	9/19/19	15.6	9/19/19	9/19/2029
63366	GEN3638	9/19/19	16.3	9/19/19	9/19/2029
65109	GEN3638	9/24/19	11.1	9/24/19	9/24/2029
63052	GEN3638	9/24/19	5	9/24/19	9/24/2029
63050	GEN3638	9/24/19	13.4	9/24/19	9/24/2029
63126	GEN3638	9/24/19	57	9/24/19	9/24/2029
63084	GEN3638	9/25/19	10.7	9/25/19	9/25/2029
63103	GEN3638	9/28/19	71.8	9/28/19	9/28/2029
63130	GEN3638	9/28/19	7.3	9/28/19	9/28/2029
63026	GEN3638	9/28/19	53.9	9/28/19	9/28/2029
65078	GEN3638	10/1/19	5.4	10/1/19	10/1/2029
63501	GEN3638	10/1/19	9.5	10/1/19	10/1/2029
65233	GEN3638	10/1/19	50.7	10/1/19	10/1/2029
63366	GEN3638	10/2/19	13	10/2/19	10/2/2029
63376	GEN3638	10/2/19	8.6	10/2/19	10/2/2029
63630	GEN3638	10/2/19	17.3	10/2/19	10/2/2029
63380	GEN3638	10/3/19	13	10/3/19	10/3/2029
63028	GEN3638	10/3/19	7.5	10/3/19	10/3/2029
63020	GEN3638	10/3/19	9.5	10/3/19	10/3/2029
63132	GEN3638	10/3/19	12.7	10/3/19	10/3/2029
63028	GEN3638	10/3/19	19.6	10/3/19	10/3/2029
63501	GEN3638	10/4/19	7.9	10/4/19	10/4/2029
63118	GEN3638	10/7/19	7.3	10/7/19	10/7/2029
63390	GEN3638	10/7/19	5.4	10/7/19	10/7/2029
63069	GEN3638	10/7/19	10.3	10/7/19	10/7/2029
63146	GEN3638	10/8/19	9.7	10/8/19	10/8/2029
63050	GEN3638	10/8/19	16.7	10/8/19	10/8/2029
63021	GEN3638	10/8/19	6.7	10/8/19	10/8/2029
63025	GEN3638	10/8/19	15.4	10/8/19	10/8/2029
63051	GEN3638	10/8/19	18.7	10/8/19	10/8/2029
63016	GEN3638	10/8/19	14.2	10/8/19	10/8/2029
63144	GEN3638	10/8/19	11.7	10/8/19	10/8/2029
63123	GEN3638	10/9/19	15.5	10/9/19	10/9/2029
63435	GEN3638	10/9/19	5.1	10/9/19	10/9/2029
63601	GEN3638	10/10/19	11.3	10/10/19	10/10/2029
65043	GEN3638	10/11/19	18.1	10/11/19	10/11/2029
63303	GEN3638	10/11/19	5.8	10/11/19	10/11/2029
63034	GEN3638	10/12/19	9.3	10/12/19	10/12/2029
65109	GEN3638	10/14/19	10	10/14/19	10/14/2029
63028	GEN3638	10/14/19	57	10/14/19	10/14/2029
63648	GEN3638	10/15/19	13.8	10/15/19	10/15/2029
63049	GEN3638	10/15/19	7.1	10/15/19	10/15/2029
65109	GEN3638	10/15/19	5.8	10/15/19	10/15/2029

63648	GEN3638	10/15/19	12.1	10/15/19	10/15/2029
65078	GEN3638	10/16/19	10.1	10/16/19	10/16/2029
65270	GEN3638	10/18/19	13.2	10/18/19	10/18/2029
63088	GEN3638	10/19/19	8.9	10/19/19	10/19/2029
63049	GEN3638	10/22/19	5.4	10/22/19	10/22/2029
63049	GEN3638	10/22/19	9.7	10/22/19	10/22/2029
63034	GEN3638	10/23/19	11.2	10/23/19	10/23/2029
63020	GEN3638	10/23/19	7.5	10/23/19	10/23/2029
63841	GEN3638	10/23/19	8.9	10/23/19	10/23/2029
65101	GEN3638	10/23/19	8.8	10/23/19	10/23/2029
63118	GEN3638	10/24/19	14.2	10/24/19	10/24/2029
63848	GEN3638	10/24/19	15.5	10/24/19	10/24/2029
63023	GEN3638	10/24/19	21.2	10/24/19	10/24/2029
64024	GEN3638	10/24/19	8.9	10/24/19	10/24/2029
65109	GEN3638	10/24/19	7.3	10/24/19	10/24/2029
63110	GEN3638	10/24/19	138.4	10/24/19	10/24/2029
63112	GEN3638	10/25/19	7.9	10/25/19	10/25/2029
63301	GEN3638	10/25/19	7.9	10/25/19	10/25/2029
63051	GEN3638	10/25/19	12.1	10/25/19	10/25/2029
64024	GEN3638	10/28/19	9.9	10/28/19	10/28/2029
65259	GEN3638	10/28/19	11.3	10/28/19	10/28/2029
65078	GEN3638	10/28/19	13.8	10/28/19	10/28/2029
65270	GEN3638	10/28/19	7.1	10/28/19	10/28/2029
65084	GEN3638	10/28/19	25.3	10/28/19	10/28/2029
65233	GEN3638	10/29/19	16.4	10/29/19	10/29/2029
63119	GEN3638	10/29/19	12.9	10/29/19	10/29/2029
63055	GEN3638	10/30/19	15	10/30/19	10/30/2029
63077	GEN3638	10/30/19	6.7	10/30/19	10/30/2029
63023	GEN3638	10/30/19	5	10/30/19	10/30/2029
63084	GEN3638	10/30/19	17.5	10/30/19	10/30/2029
63077	GEN3638	10/31/19	16.1	10/31/19	10/31/2029
63740	GEN3638	10/31/19	7.5	10/31/19	10/31/2029
63026	GEN3638	10/31/19	15	10/31/19	10/31/2029
63052	GEN3638	11/1/19	8.8	11/1/19	11/1/2029
63084	GEN3638	11/4/19	18.7	11/4/19	11/4/2029
63626	GEN3638	11/4/19	13.4	11/4/19	11/4/2029
63390	GEN3638	11/4/19	10	11/4/19	11/4/2029
65052	GEN3638	11/4/19	9.3	11/4/19	11/4/2029
63122	GEN3638	11/4/19	11.6	11/4/19	11/4/2029
63301	GEN3638	11/5/19	7.9	11/5/19	11/5/2029
65265	GEN3638	11/5/19	21.6	11/5/19	11/5/2029
63701	GEN3638	11/5/19	7.9	11/5/19	11/5/2029
63771	GEN3638	11/5/19	15.8	11/5/19	11/5/2029

63303	GEN3638	11/5/19	7.1	11/5/19	11/5/2029
65270	GEN3638	11/6/19	12.9	11/6/19	11/6/2029
63147	GEN3638	11/6/19	2.1	11/6/19	11/6/2029
63069	GEN3638	11/7/19	60.2	11/7/19	11/7/2029
63077	GEN3638	11/7/19	7.5	11/7/19	11/7/2029
63841	GEN3638	11/7/19	13.4	11/7/19	11/7/2029
63363	GEN3638	11/7/19	10.6	11/7/19	11/7/2029
65084	GEN3638	11/7/19	5	11/7/19	11/7/2029
63084	GEN3638	11/7/19	207.6	11/7/19	11/7/2029
63301	GEN3638	11/7/19	12.5	11/7/19	11/7/2029
63123	GEN3638	11/7/19	10	11/7/19	11/7/2029
63020	GEN3638	11/7/19	9.6	11/7/19	11/7/2029
63301	GEN3638	11/7/19	20.4	11/7/19	11/7/2029
63044	GEN3638	11/7/19	16.4	11/7/19	11/7/2029
65101	GEN3638	11/7/19	26.8	11/7/19	11/7/2029
63303	GEN3638	11/7/19	8.5	11/7/19	11/7/2029
65101	GEN3638	11/7/19	11.5	11/7/19	11/7/2029
63016	GEN3638	11/8/19	5	11/8/19	11/8/2029
63043	GEN3638	11/8/19	10.7	11/8/19	11/8/2029
65043	GEN3638	11/8/19	17.9	11/8/19	11/8/2029
65026	GEN3638	11/8/19	10	11/8/19	11/8/2029
63366	GEN3638	11/12/19	11.3	11/12/19	11/12/2029
65274	GEN3638	11/13/19	6.3	11/13/19	11/13/2029
63010	GEN3638	11/13/19	25.4	11/13/19	11/13/2029
63701	GEN3638	11/14/19	10.9	11/14/19	11/14/2029
63110	GEN3638	11/14/19	9.8	11/14/19	11/14/2029
63118	GEN3638	11/14/19	9.4	11/14/19	11/14/2029
63026	GEN3638	11/15/19	9.2	11/15/19	11/15/2029
63090	GEN3638	11/15/19	139.3	11/15/19	11/15/2029
63090	GEN3638	11/15/19	15.2	11/15/19	11/15/2029
63385	GEN3638	11/15/19	4.4	11/15/19	11/15/2029
63114	GEN3638	11/15/19	5	11/15/19	11/15/2029
63042	GEN3638	11/15/19	7.9	11/15/19	11/15/2029
63301	GEN3638	11/18/19	34.8	11/18/19	11/18/2029
63090	GEN3638	11/20/19	23.9	11/20/19	11/20/2029
63348	GEN3638	11/20/19	10.4	11/20/19	11/20/2029
63118	GEN3638	11/20/19	10.2	11/20/19	11/20/2029
63031	GEN3638	11/20/19	14.2	11/20/19	11/20/2029
63116	GEN3638	11/21/19	9.5	11/21/19	11/21/2029
63301	GEN3638	11/21/19	12.7	11/21/19	11/21/2029
63070	GEN3638	11/21/19	25.9	11/21/19	11/21/2029
63664	GEN3638	11/21/19	16.6	11/21/19	11/21/2029
63090	GEN3638	11/21/19	31.7	11/21/19	11/21/2029

63090	GEN3638	11/21/19	29	11/21/19	11/21/2029
63664	GEN3638	11/21/19	14.2	11/21/19	11/21/2029
63304	GEN3638	11/22/19	4.2	11/22/19	11/22/2029
63031	GEN3638	11/22/19	8.8	11/22/19	11/22/2029
63109	GEN3638	11/22/19	5.3	11/22/19	11/22/2029
63016	GEN3638	11/22/19	16.9	11/22/19	11/22/2029
63020	GEN3638	11/26/19	22.6	11/26/19	11/26/2029
64062	GEN3638	11/26/19	7	11/26/19	11/26/2029
63385	GEN3638	11/27/19	12.2	11/27/19	11/27/2029
63301	GEN3638	11/27/19	8.7	11/27/19	11/27/2029
63087	GEN3638	12/2/19	7.5	12/2/19	12/2/2029
63141	GEN3638	12/2/19	8	12/2/19	12/2/2029
63021	GEN3638	12/2/19	14.7	12/2/19	12/2/2029
63436	GEN3638	12/2/19	13.2	12/2/19	12/2/2029
63012	GEN3638	12/2/19	4.2	12/2/19	12/2/2029
63116	GEN3638	12/2/19	10.7	12/2/19	12/2/2029
63664	GEN3638	12/3/19	9.9	12/3/19	12/3/2029
63128	GEN3638	12/3/19	28.5	12/3/19	12/3/2029
63087	GEN3638	12/4/19	16.7	12/4/19	12/4/2029
63023	GEN3638	12/4/19	34	12/4/19	12/4/2029
63109	GEN3638	12/4/19	7.1	12/4/19	12/4/2029
65039	GEN3638	12/6/19	12.5	12/6/19	12/6/2029
65101	GEN3638	12/6/19	18.2	12/6/19	12/6/2029
65109	GEN3638	12/6/19	6	12/6/19	12/6/2029
65109	GEN3638	12/6/19	7.8	12/6/19	12/6/2029
63026	GEN3638	12/7/19	45.1	12/7/19	12/7/2029
63117	GEN3638	12/9/19	3.6	12/9/19	12/9/2029
63031	GEN3638	12/9/19	9.2	12/9/19	12/9/2029
63650	GEN3638	12/9/19	10	12/9/19	12/9/2029
63640	GEN3638	12/9/19	12.5	12/9/19	12/9/2029
65109	GEN3638	12/10/19	13	12/10/19	12/10/2029
63021	GEN3638	12/10/19	11.1	12/10/19	12/10/2029
65078	GEN3638	12/10/19	9.1	12/10/19	12/10/2029
63090	GEN3638	12/11/19	139.1	12/11/19	12/11/2029
63090	GEN3638	12/11/19	139.1	12/11/19	12/11/2029
63090	GEN3638	12/11/19	139.1	12/11/19	12/11/2029
63090	GEN3638	12/11/19	86.6	12/11/19	12/11/2029
63390	GEN3638	12/11/19	6.7	12/11/19	12/11/2029
65265	GEN3638	12/12/19	5.4	12/12/19	12/12/2029
63051	GEN3638	12/12/19	9.2	12/12/19	12/12/2029
63301	GEN3638	12/12/19	6.3	12/12/19	12/12/2029
63050	GEN3638	12/12/19	10	12/12/19	12/12/2029
63138	GEN3638	12/12/19	11.7	12/12/19	12/12/2029

63112	GEN3638	12/12/19	9.8	12/12/19	12/12/2029
63010	GEN3638	12/12/19	9.2	12/12/19	12/12/2029
63014	GEN3638	12/13/19	14.7	12/13/19	12/13/2029
63385	GEN3638	12/13/19	114.9	12/13/19	12/13/2029
63139	GEN3638	12/13/19	3.3	12/13/19	12/13/2029
63109	GEN3638	12/13/19	14.3	12/13/19	12/13/2029
63077	GEN3638	12/14/19	24.8	12/14/19	12/14/2029
63123	GEN3638	12/15/19	56.3	12/15/19	12/15/2029
63109	GEN3638	12/17/19	16.1	12/17/19	12/17/2029
63129	GEN3638	12/17/19	6.2	12/17/19	12/17/2029
65270	GEN3638	12/17/19	6.7	12/17/19	12/17/2029
63139	GEN3638	12/17/19	4.8	12/17/19	12/17/2029
63366	GEN3638	12/17/19	17	12/17/19	12/17/2029
63021	GEN3638	12/18/19	12.5	12/18/19	12/18/2029
63376	GEN3638	12/18/19	4.2	12/18/19	12/18/2029
63110	GEN3638	12/18/19	8.8	12/18/19	12/18/2029
63119	GEN3638	12/18/19	9.8	12/18/19	12/18/2029
63143	GEN3638	12/18/19	6.7	12/18/19	12/18/2029
63376	GEN3638	12/18/19	5	12/18/19	12/18/2029
63841	GEN3638	12/18/19	6.3	12/18/19	12/18/2029
63303	GEN3638	12/18/19	34.9	12/18/19	12/18/2029
63090	GEN3638	12/19/19	139.1	12/19/19	12/19/2029
63090	GEN3638	12/19/19	139.3	12/19/19	12/19/2029
63301	GEN3638	12/19/19	139.3	12/19/19	12/19/2029
63301	GEN3638	12/19/19	22.1	12/19/19	12/19/2029
63383	GEN3638	12/19/19	12.5	12/19/19	12/19/2029
63021	GEN3638	12/19/19	7.9	12/19/19	12/19/2029
63348	GEN3638	12/19/19	4.2	12/19/19	12/19/2029
63130	GEN3638	12/19/19	127.9	12/19/19	12/19/2029
63376	GEN3638	12/20/19	13	12/20/19	12/20/2029
65043	GEN3638	12/26/19	28	12/26/19	12/26/2029
65101	GEN3638	12/26/19	12.4	12/26/19	12/26/2029
65101	GEN3638	12/26/19	6.2	12/26/19	12/26/2029
63130	GEN3638	12/26/19	8.4	12/26/19	12/26/2029
63084	GEN3638	12/26/19	27.2	12/26/19	12/26/2029
63050	GEN3638	12/26/19	22.6	12/26/19	12/26/2029
63383	GEN3638	12/26/19	10	12/26/19	12/26/2029
63089	GEN3638	12/27/19	7.5	12/27/19	12/27/2029
63303	GEN3638	12/27/19	15	12/27/19	12/27/2029
63034	GEN3638	12/27/19	15.8	12/27/19	12/27/2029
63104	GEN3638	12/27/19	7.1	12/27/19	12/27/2029
63111	GEN3638	12/27/19	7.8	12/27/19	12/27/2029
63139	GEN3638	12/27/19	10.7	12/27/19	12/27/2029

63125	GEN3638	12/27/19	9.6	12/27/19	12/27/2029
63020	GEN3638	12/27/19	7.1	12/27/19	12/27/2029
63084	GEN3638	12/30/19	8.4	12/30/19	12/30/2029
65101	GEN3638	12/30/19	10.1	12/30/19	12/30/2029
63110	GEN3638	12/30/19	7.8	12/30/19	12/30/2029
63114	GEN3638	12/30/19	5.8	12/30/19	12/30/2029
63139	GEN3638	12/31/19	7	12/31/19	12/31/2029
63070	GEN3638	12/31/19	8.8	12/31/19	12/31/2029

Exhibit 7

AFFIDAVIT OF COMPLIANCE WITH 2022 COMPLIANCE PLAN

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

1. I am Senior Vice President, Chief Renewable Development Officer for Ameren Missouri. My business address is One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.
2. As Senior Vice President, Chief Renewable Development Officer, 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 2023 for the calendar year 2022.
4. Under penalty of perjury, I declare that the foregoing is true and correct to the best of my knowledge and belief.

Further, affiant sayeth not.

/s/ Ajay Arora

Ajay Arora

This 14th day of April, 2023.