

Ameren Missouri

**Renewable Energy Standard
Compliance Report
2021**

Prepared in Compliance with 20 CSR 4240-20.100

April 15, 2022



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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) (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, 2018 to the end of 2021 in meeting the RES requirements for calendar year 2021. 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 2021.

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, 2021, Ameren Missouri's total retail electric sales were 31,120,872 MWh.

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

Total sales to ultimate consumers as reported on the FERC Form 1 for the CY 2021 and associated with the above referenced MWhs were \$2,861,718,816.

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 MWs.

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 2021 was 923,373 MWhs.

In June 2009, Ameren Missouri and Pioneer Prairie Wind Farm I LLC entered into a 15-year power purchase agreement. Ameren Missouri is purchasing 102.3 MWs of nameplate generation from the Pioneer Prairie Wind Farm consisting of 62 turbines, located in 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 2021 was ** _____ ** MWhs.

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 2021 was 80 MWhs. 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 100 MWhs towards the compliance requirements.

On June 16, 2012, the Maryland Heights Renewable Energy Center (MHREC) became commercially operational. This facility burns methane gas produced by the IESI Landfill in Maryland Heights, 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 2021 was 67,284 MWhs. 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 84,105 MWhs 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 2021 was 6,480 MWhs. 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 8,100 MWhs 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 2021 was 1,861 MWhs. 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 2,326 MWhs 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 2021 was 808,999 MWhs. 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 1,011,249 MWhs 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.¹ 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 2021 was 697,139 MWhs. 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 871,424 MWhs towards the compliance requirements.

¹ Pending in-service criteria validation from the Missouri Public Service Commission.

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 2021 was 114 MWhs. 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 143 MWhs towards the compliance requirements.

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

Table 1. Total 2021 RECs Created by Utility Owned Renewable Resources

Resource	RECs	MO Equivalent RECs	Value of Energy ²
AMO Headquarters Solar	80	100	\$2,787
O'Fallon REC	6,480	8,100	\$225,763
BJC Solar Facility	1,861	2,326	\$64,837
South St. Louis REC	114	143	\$3,972
High Prairie REC	808,999	1,011,249	\$28,185,525
Atchison REC	697,139	871,424	\$24,288,323
Keokuk Hydro-electric	923,373	923,373	NA
Maryland Heights REC	67,284	84,105	\$2,344,175

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

During CY 2021, Ameren Missouri purchased energy including the associated RECs from the Pioneer Prairie Wind Farm. A total of ** _____ ** RECs were acquired in CY 2021 under the terms of the 15-year power purchase agreement.³

In CY 2021, 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, 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

² Value of energy calculated as the MWhs generated by the facility in 2021 multiplied by the average 2021 Day Ahead LMP energy price (\$/MWh) at MOGEN.

³There was a correction made to Ameren Missouri's MISO submission between the S55 and the S105 Statements causing 100 MWhs that should be included in the 2021 Compliance Year for Pioneer Prairie to be pushed into 2022.

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 2021, Ameren Missouri acquired 82,480 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. For more detail regarding systems that became operational in 2020 and 2021 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 103,100.

Additionally, in 2019 the Department of Energy increased the PV watts capacity factor for the St. Louis region from 15.6% to 15.9%. This new percentage will be applied to systems installed on January 1, 2019 or later.

In 2021 Ameren Missouri purchased 1,305,367 RECs, 1,290,806 non-solar and 14,561 solar, from 3rd party brokers. A portion of the purchased non-solar RECs are located 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 1,464,571. These RECs are a combination of 2019, 2020, and 2021 vintages. Please see Section (8) (A) 1 I for additional details on 3rd party REC purchases made in 2021.

The total REC requirement for 2021 = 4,668,131 RECs

Non-solar requirement = 4,668,131 x .98 = 4,574,768 RECs

Solar requirement = 4,668,131 x .02 = 93,363 RECs

Table 2 outlines the RECs retired to meet 2021 non-solar compliance. All values include the Missouri in-state adjustment where appropriate.

Table 2. RECs Retired for 2021 Non-Solar Compliance

Non-Solar Resources	2018-19 vintage	2020 vintage	2021 vintage	Total
Keokuk		153,495	758,825	912,320
Maryland Heights REC		30,531	84,105	114,636
Pioneer Prairie			224,747	224,747
High Prairie REC		37,958	782,271	820,229
Atchison REC			871,424	871,424
Purchased RECs	156,314	417,214	891,043	1,464,571

Customer Solar ⁴	17,576	104,188	45,078	166,842
Total				4,574,768

Table 3 outlines the RECs retired to meet 2021 Solar compliance. All values include the Missouri in-state adder where appropriate.

Table 3. RECs Retired for 2021 Solar Compliance

Solar Resource	2018-19 vintage	2020 vintage	2021 vintage	Total
Customer Solar			58,022	58,022
Ameren HQ Solar		86	100	186
O'Fallon REC		7,391	8,100	15,491
BJC Solar Facility		2,634	2,326	4,960
South St. Louis REC			143	143
Purchased RECs		2,776	11,785	14,561
Total				93,363

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	164,548
High Prairie REC	183,182
Total	347,730

These values do not include the in-state factor of 1.25 for those RECs generated in the state of Missouri. Please see Exhibit 1 for additional details.

Section (8) (A) 1 H: Gains or Losses from Purchases or Sales

Not applicable. There were no sales of RECs, and all procurement was either utilized to meet CY 2021 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

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

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
Southern Company Services	1,530	1,530	Fort Rucker Solar (Fort Rucker, AL)	CY2021	05/21/ 2021	06/24/ 2021	\$290,214	39659
	2,776	1,306	Aniston Army Depot Solar (Anniston, AL)	CY2020				
		1,470	Fort Rucker Solar (Fort Rucker, AL)	CY2020				
	79,814	79,814	Chisholm View Wind Project (Garfield County, OK)	CY2021				
STX Commodities, LLC	370,000	53,159	Victoria Dam Hydro (Rockland Township, MI)	CY2019	05/26/ 2021	08/16/ 2021	\$1,184,000	39878
		12,399	Hoist Dam Hydro (Negaunee Township, MI)	CY2019				
		34,442	McClure Dam (Negaunee, MI)	CY2019				
		56,314	Kay Wind (Kay County, OK)	CY2019				
		213,686	Kay Wind (Kay County, OK)	CY2020				
Empire District Electric Co.	200,000	93,256	North Fork Ridge Wind (Barton County, MO)	CY2021	08/11/ 2021	10/14/ 2021	\$1,250,000	41989
		106,744	Kings Point Wind (Barton, Dade, Jasper, and Lawrence Counties, MO)	CY2021				
3 Degrees Group, Inc.	125,000	12,533	North Fork Ridge Wind (Barton County, MO)	CY2021	08/27/ 2021	10/27/ 2021	\$78,331	42393
		88,348	Tenaska Clear Creek Wind (Maryville, MO)	CY2020		09/28/ 2021	\$702,919	
		24,119	Tenaska Clear Creek Wind (Maryville, MO)	CY2021				

3 Degrees Group, Inc.	145,934	52,841	Meridian Way Wind (<i>Concordia, KS</i>)	CY2021	10/14/2021	10/26/2021	\$693,187	43370
		93,093	Meridian Way Wind (<i>Concordia, KS</i>)	CY2020				
3 Degrees Group, Inc.	27,103	12,646	North Fork Ridge Wind (<i>Barton County, MO</i>)	CY2021	11/29/2021	12/09/2021	\$128,739	43980
		14,457	Kings Point Wind (<i>Barton, Dade, Jasper, and Lawrence Counties, MO</i>)	CY2021				
Empire District Electric Co.	100,000	49,288	North Fork Ridge Wind (<i>Barton County, MO</i>)	CY2021	12/01/2021	02/12/2022	\$475,000	43991
		50,712	Kings Point Wind (<i>Barton, Dade, Jasper, and Lawrence Counties, MO</i>)	CY2021				
Southern Company Services	10,255	4,942	Aniston Army Depot Solar (<i>Anniston, AL</i>)	CY2021	12/13/2021	01/04/2022	\$30,765	44057
		5,313	Fort Rucker Solar (<i>Fort Rucker, AL</i>)	CY2021				
Tahom Energy, LLC	242,955	50,000	North Fork Ridge Wind (<i>Barton County, MO</i>)	CY2021	10/14/2021	03/11/2022	\$250,000	44452
		95,479	Tenaska Clear Creek Wind (<i>Maryville, MO</i>)	CY2021		11/12/2021	\$964,775	
		63,029	North Fork Ridge Wind (<i>Barton County, MO</i>)	CY2021				
		34,447	Kings Point Wind (<i>Barton, Dade, Jasper, and Lawrence Counties, 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 2020 and 2021 solar rebate payments have not yet been certified by Missouri DNR and therefore have not been included in the Exhibit 6 table or utilized to meet 2021 RES compliance.

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

During CY 2021, Ameren Missouri processed and paid 944 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 2021, Ameren Missouri paid out \$2,995,247 associated with solar rebates.

During 2021, there was one active version of the tariff Rider SR. There were no changes to the Solar Rebate tariffs during CY2021. 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 CY2019, though the tariff sheets have not yet been eliminated.

See Exhibit 4 for Solar Rebate Tariffs.

See Exhibit 5 for SREC Purchase Tariff.

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 2021 was achieved.

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

Ameren Missouri's Adjusted Revenue Requirement for CY 2021 is \$3,145,354,529
Total RES Compliance cost for 2021 is \$71,961,529.

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

$$= \$71,961,529 / \$3,145,354,529 = 2.29\%$$

Exhibit 1: RECs Carried Forward in NAR Account

RECs carried forward include RECs associated with the Keokuk Hydro-electric Generation Station, and the High Prairie Renewable Energy Center (HPREC).

Table 6. RECs Carried Forward in NAR Account

Sub-Account	Sub-Account ID	NAR ID	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity
High Prairie	2639	GEN3344	Wind	Nov-2021	NAR-REC-3344-MO-11-2021-127611-45991 to 89967	43,977
High Prairie	2639	GEN3344	Wind	Dec-2021	NAR-REC-3344-MO-12-2021-129101-1 to 139205	139,205
HPREC Subtotal						183,182
Keokuk	273	GEN160	Hydroelectric Water	Oct-2021	NAR-REC-160-IA-10-2021-123346-58162 to 70472	12,311
Keokuk	273	GEN160	Hydroelectric Water	Nov-2021	NAR-REC-160-IA-11-2021-127606-1 to 81432	81,432
Keokuk	273	GEN160	Hydroelectric Water	Dec-2021	NAR-REC-160-IA-12-2021-129100-1 to 70805	70,805
Keokuk Subtotal						164,548
Total RECs Carried Forward for Compliance						347,730
Total RECs Carried Forward for Compliance – Missouri Equivalent						393,526

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

Pioneer Prairie 2021 Resource Affidavit

CONFIDENTIAL

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

Table 7. Pioneer Prairie REC Meter Readings and Payments

TABLE CONFIDENTIAL

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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. 88.5

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 RENEWABLE ENERGY CREDITS (SREC'S)

On and after January 1, 2019, as a condition of receiving a solar rebate, customer shall transfer to Company all right, title and interest in and to the solar renewable energy credits ("SRECs") associated with the new or expanded System that qualified customer for the solar rebate for a period of ten (10) years from the date Company confirmed that the System was installed and operational.

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

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

LOW-INCOME PROGRAM

Customers on Service Classification 1(M) Residential Service who have received assistance from either Missouri Energy Assistance (a.k.a. Low Income Home Energy Assistance Program or LIHEAP), Winter Energy Crisis Intervention Program, Summer Energy Crisis Intervention Program, the Company's Keeping Current Low Income Pilot Program, and/or the Company's Keeping Cool Low Income Pilot Program during any of the 12 months previous to submitting a Solar Rebate Application will be eligible for Low-Income Program solar rebate funds.

All terms and conditions of this Rider SR Solar Rebate 2019-2023 shall apply to the Low-Income Program.

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

M.O.P.S.C. SCHEDULE NO. 6 Original SHEET NO. 88.7

CANCELLING M.O.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	<u>August 29, 2018</u>	DATE EFFECTIVE	<u>September 28, 2018</u>
ISSUED BY	<u>Michael Moehn</u>	President	<u>St. Louis, Missouri</u>
	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
NAME OF OFFICER

President
TITLE

St. Louis, Missouri
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

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

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

APPLYING TO MISSOURI SERVICE AREA

RIDER SR

SOLAR REBATE RS MO 393.1030 (Cont'd.)

***RESERVATION QUEUE (Cont'd.)**

Effective September 28, 2018, Company will only make additional Rebate Commitments under this Rider SR Solar Rebate RS MO 393.1030 tariff to Systems which have already become operational. Customers in the Reservation Queue having approved Net Metering Applications will be notified of the availability of solar rebate funding available through Rider SR Solar Rebate 2019-2023 and advised how and when they can submit an application under that program.

****QUALIFICATION DATE AND REBATE COMMITMENT**

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

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

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

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

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

*Indicates Addition

**Indicates Reissue

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. 88.13

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 PAYMENT

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

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

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

*SOLAR RENEWABLE ENERGY CREDITS (SREC'S)

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

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

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

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

*Indicates Reissue

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

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

Exhibit 5: S-REC Purchase Customer Tariff

UNION ELECTRIC COMPANY		ELECTRIC SERVICE	
M.O.P.S.C. SCHEDULE NO. <u>6</u>	<u>1st Revised</u>	SHEET NO. <u>89</u>	
CANCELLING M.O.P.S.C. SCHEDULE NO. _____	<u>Original</u>	SHEET NO. <u>89</u>	
APPLYING TO: <u>MISSOURI SERVICE AREA</u>			
<hr/> <hr/>			
<u>RIDER 8P</u>			
<u>SOLAR RENEWABLE ENERGY CREDIT PURCHASE</u>			
<u>PURPOSE</u>			
The purpose of this rider is to provide a mechanism for eligible customers to sell and Company to purchase the Renewable Energy Credits associated with energy generated by solar electric systems operating under Company's Electric Power Purchases from Qualified Net Metering Units tariff herein.			
<u>AVAILABILITY</u>			
This rider is available to any retail electric customer operating a solar electric system in compliance with Company's approved net metering tariff.			
*Availability of service under this rider shall be limited to those customers for which an "Interconnection Application/Agreement for Net Metering Systems with a Capacity of 100 kW or Less" is received by Company or postmarked on or before August 27, 2013, and commitments offered by Company on or before December 31, 2013, and by the cumulative total of the actual payment commitments and estimated payment commitments offered by Company during 2013, of up to \$1,000,000 with at least \$350,000 (35%) being reserved specifically for commitments under the Lump Sum Offer as described below.			
<u>TERMS</u>			
This rider shall be effective through December 31, 2014, and will terminate thereafter unless modified or extended. In the event that this rider expires, all commitments offered by Company on or before December 31, 2013, will be honored for their full term.			
<u>DEFINITIONS</u>			
1. REC - Renewable Energy Credit, or Renewable Energy Certificate means a tradable certificate, that is either certified by an entity approved as an acceptable authority by the Missouri Public Service Commission (Commission) or as validated through the Commission's approved REC tracking system or a generator's attestation and further defined in 4 CSR 240-20.100 Electric Utility Renewable Energy Standard Requirements.			
2. SREC - Solar Renewable Energy Credit - A REC produced by a solar electric resource.			
3. SREC Price - \$5.00 per SREC.			
4. Retail Account Holder - The customer of record taking service from Company under any of Company's retail electric tariffs.			
*Indicates Change			
<hr/> <hr/>			
DATE OF ISSUE	<u>July 29, 2013</u>	DATE EFFECTIVE	<u>August 28, 2013</u>
ISSUED BY	<u>Warner L. Baxter</u>	President & CEO	<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. 89.1

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>	President & CEO	<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

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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 SP

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>	<u>President & CEO</u>	<u>St. Louis, Missouri</u>
	NAME OF OFFICER	TITLE	ADDRESS

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> <small>NAME OF OFFICER</small>	<u>President & CEO</u> <small>TITLE</small>	<u>St. Louis, Missouri</u> <small>ADDRESS</small>

Exhibit 6: Customer Generator Resource List⁵

Metered Generation

Zip Code	Aggregated Subaccount	Interconnection Date	2021 Metered Generation (MWh)	Start Date	End Date
63132	AGG370	03/13/2013	31.2	04/27/2013	04/27/2023
63139	AGG370	03/26/2013	29.8	05/07/2013	05/07/2023
63132	AGG370	03/13/2013	20.5	04/27/2013	04/27/2023
63122	AGG370	02/25/2013	29.8	05/17/2013	05/17/2023
63122	AGG370	03/26/2013	30.5	05/02/2013	05/02/2023
63122	AGG370	03/26/2013	29.7	05/02/2013	05/02/2023
63122	AGG370	04/03/2013	25.1	04/30/2013	04/30/2023
63701	AGG370	03/28/2013	15.5	05/01/2013	05/01/2023
63084	AGG395	12/07/2012	53	06/01/2013	06/01/2023
63043	AGG395	05/02/2013	25.8	06/06/2013	06/06/2023
63122	AGG395	04/08/2013	25.4	07/22/2013	07/22/2023
63101	AGG395	01/14/2013	0	06/04/2013	06/04/2023
63141	AGG395	10/30/2012	14.9	06/15/2013	06/15/2023
63010	AGG395	02/13/2013	17.4	07/31/2013	07/31/2023
63501	AGG395	03/06/2013	0	04/27/2013	04/27/2023
63005	AGG395	04/26/2013	13.9	05/07/2013	05/07/2023
63043	AGG395	01/28/2013	27.6	07/25/2013	07/25/2023
63016	AGG395	04/11/2013	30.9	05/03/2013	05/03/2023
63016	AGG395	04/11/2013	27.9	05/03/2013	05/03/2023
63110	AGG395	01/28/2013	29.6	07/25/2013	07/25/2023
65109	AGG395	01/23/2013	15.4	07/10/2013	07/10/2023
63021	AGG395	06/10/2013	11.6	07/25/2013	07/25/2023
65233	AGG395	09/14/2012	25.2	05/29/2013	05/29/2023
65109	AGG395	01/23/2013	19.7	07/10/2013	07/10/2023
65101	AGG395	06/11/2013	16.4	08/13/2013	08/13/2023
63104	AGG395	01/28/2013	0	07/20/2013	07/20/2023
65233	AGG395	02/08/2013	11.9	07/10/2013	07/10/2023

⁵ This list does not include RECs generated from 2020 or 2021 installations, as they have not yet been certified by the Missouri DNR.

Unmetered Generation

Zip Code	Aggregated Subaccount	Interconnection Date	Annual Estimated 2021 Generation (MWh)	Start Date	End Date
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63104	GEN337	1/19/11	0.1	1/19/11	1/19/21
63011	GEN337	1/19/11	0.5	1/19/11	1/19/21
63137	GEN337	1/26/11	0.8	1/26/11	1/26/21
65079	GEN337	1/26/11	0.5	1/26/11	1/26/21
63104	GEN337	1/27/11	0.9	1/27/11	1/27/21
63104	GEN337	1/27/11	0.8	1/27/11	1/27/21
63104	GEN337	1/27/11	0.7	1/27/11	1/27/21
63104	GEN337	1/27/11	0.7	1/27/11	1/27/21
63104	GEN337	1/27/11	0.4	1/27/11	1/27/21
63104	GEN337	1/27/11	0.6	1/27/11	1/27/21
63129	GEN337	1/27/11	0.7	1/27/11	1/27/21
63303	GEN337	2/8/11	1.1	2/8/11	2/8/21
63025	GEN337	2/10/11	0.6	2/10/11	2/10/21
63043	GEN337	2/11/11	0.1	2/11/11	2/11/21
63110	GEN337	3/2/11	1.2	3/2/11	3/2/21
63109	GEN337	3/2/11	0.6	3/2/11	3/2/21
63122	GEN337	3/8/11	2.1	3/8/11	3/8/21
63052	GEN337	3/9/11	2.1	3/9/11	3/9/21
65109	GEN337	3/16/11	2.5	3/16/11	3/16/21
63336	GEN337	3/18/11	2.1	3/18/11	3/18/21
63020	GEN337	3/21/11	1.3	3/21/11	3/21/21
65101	GEN337	3/23/11	2.7	3/23/11	3/23/21
63131	GEN337	4/18/11	3.4	4/18/11	4/18/21
63114	GEN337	4/21/11	1.2	4/21/11	4/21/21
65043	GEN337	4/26/11	3.8	4/26/11	4/26/21
63090	GEN337	4/29/11	1.9	4/29/11	4/29/21
63084	GEN337	5/6/11	0.2	5/6/11	5/6/21
63122	GEN337	5/9/11	2	5/9/11	5/9/21
63112	GEN337	5/12/11	1.9	5/12/11	5/12/21
63303	GEN337	5/13/11	2.5	5/13/11	5/13/21
65049	GEN337	5/18/11	2.6	5/18/11	5/18/21
63129	GEN337	5/24/11	1.9	5/24/11	5/24/21

65109	GEN337	5/26/11	5	5/26/11	5/26/21
65109	GEN337	5/26/11	5	5/26/11	5/26/21
64062	GEN337	6/1/11	2.4	6/1/11	6/1/21
63106	GEN337	6/21/11	2.8	6/21/11	6/21/21
63106	GEN337	6/21/11	2.2	6/21/11	6/21/21
63106	GEN337	6/21/11	1.4	6/21/11	6/21/21
63106	GEN337	6/21/11	2	6/21/11	6/21/21
63106	GEN337	6/21/11	2	6/21/11	6/21/21
63106	GEN337	6/21/11	1	6/21/11	6/21/21
63106	GEN337	6/21/11	2.5	6/21/11	6/21/21
63106	GEN337	6/21/11	1.1	6/21/11	6/21/21
63106	GEN337	6/21/11	0.7	6/21/11	6/21/21
63106	GEN337	6/23/11	3.6	6/23/11	6/23/21
63106	GEN337	6/23/11	2.8	6/23/11	6/23/21
63106	GEN337	6/23/11	1.4	6/23/11	6/23/21
63106	GEN337	6/23/11	5.6	6/23/11	6/23/21
63106	GEN337	6/23/11	3.1	6/23/11	6/23/21
63106	GEN337	6/23/11	2.3	6/23/11	6/23/21
63106	GEN337	6/23/11	4.9	6/23/11	6/23/21
63106	GEN337	6/23/11	1.4	6/23/11	6/23/21
63106	GEN337	6/23/11	1.1	6/23/11	6/23/21
63106	GEN337	6/23/11	2.3	6/23/11	6/23/21
63106	GEN337	6/23/11	2	6/23/11	6/23/21
63106	GEN337	6/23/11	4.4	6/23/11	6/23/21
63106	GEN337	6/23/11	2.8	6/23/11	6/23/21
63106	GEN337	6/23/11	1.1	6/23/11	6/23/21
63106	GEN337	6/23/11	4.2	6/23/11	6/23/21
63106	GEN337	6/23/11	1.4	6/23/11	6/23/21
63106	GEN337	6/24/11	2.6	6/24/11	6/24/21
63146	GEN337	6/24/11	2.1	6/24/11	6/24/21
63106	GEN337	6/24/11	2	6/24/11	6/24/21
63106	GEN337	6/24/11	2.4	6/24/11	6/24/21
63106	GEN337	6/24/11	4	6/24/11	6/24/21
63106	GEN337	6/24/11	3.4	6/24/11	6/24/21
63106	GEN337	6/24/11	2	6/24/11	6/24/21
63106	GEN337	6/24/11	2.6	6/24/11	6/24/21
63106	GEN337	6/24/11	1.4	6/24/11	6/24/21
63106	GEN337	6/24/11	1.7	6/24/11	6/24/21
63106	GEN337	6/24/11	2.8	6/24/11	6/24/21
63106	GEN337	6/24/11	1.4	6/24/11	6/24/21
63106	GEN337	6/24/11	0.9	6/24/11	6/24/21
63106	GEN337	6/24/11	1.1	6/24/11	6/24/21
63106	GEN337	6/24/11	2.3	6/24/11	6/24/21

63106	GEN337	6/29/11	1.5	6/29/11	6/29/21
63106	GEN337	6/29/11	1.6	6/29/11	6/29/21
63106	GEN337	6/30/11	5.1	6/30/11	6/30/21
63106	GEN337	6/30/11	5.3	6/30/11	6/30/21
65043	GEN337	7/11/11	6.5	7/11/11	7/11/21
63016	GEN337	7/12/11	1.9	7/12/11	7/12/21
63106	GEN337	7/12/11	4.4	7/12/11	7/12/21
63084	GEN337	7/13/11	6.5	7/13/11	7/13/21
63084	GEN337	7/13/11	3.9	7/13/11	7/13/21
65047	GEN337	7/18/11	5.7	7/18/11	7/18/21
63126	GEN337	7/18/11	2.8	7/18/11	7/18/21
63050	GEN337	7/18/11	3.5	7/18/11	7/18/21
65101	GEN337	7/20/11	3.6	7/20/11	7/20/21
65109	GEN337	7/20/11	6.8	7/20/11	7/20/21
65010	GEN337	7/20/11	3.6	7/20/11	7/14/21
63146	GEN337	7/25/11	3.6	7/25/11	7/25/21
65043- 1339	GEN337	7/26/11	7.1	7/26/11	7/26/21
63127	GEN337	8/2/11	7.3	8/2/11	8/2/21
65026	GEN337	8/10/11	3.8	8/11/11	8/11/21
63025	GEN337	8/16/11	7.8	8/16/11	8/16/21
63841	GEN337	8/17/11	2.6	8/17/11	8/17/21
63005	GEN337	8/17/11	3.9	8/17/11	8/17/21
63383	GEN337	8/17/11	7.8	8/17/11	8/17/21
63141	GEN337	8/18/11	7.7	8/18/11	8/11/21
63141	GEN337	8/18/11	5.4	8/18/11	8/18/21
63104	GEN337	8/19/11	2.7	8/19/11	8/19/21
65233	GEN337	8/29/11	8.3	8/30/11	8/30/21
63005	GEN337	8/31/11	8.3	8/31/11	8/31/21
63109	GEN337	9/8/11	5.1	9/8/11	9/8/21
63628	GEN337	9/14/11	4.8	9/15/11	9/15/21
63376	GEN337	9/20/11	5.6	9/20/11	9/15/21
63017	GEN337	9/21/11	3.3	9/21/11	9/21/21
65270	GEN337	9/26/11	9.2	9/26/11	9/26/21
63390	GEN337	9/29/11	3.6	9/30/11	9/30/22
65072	GEN337	10/11/11	2.8	10/12/11	10/12/21
63109	GEN337	10/11/11	3.1	10/12/11	10/12/21
63131	GEN337	10/12/11	5.7	10/12/11	10/12/21
63105	GEN337	10/31/11	2.7	11/1/11	11/1/21
63363	GEN337	11/1/11	10.4	11/1/11	11/1/21
63128	GEN337	11/15/11	10.9	11/15/11	11/15/21
63701- 9456	GEN337	11/21/11	1.5	11/21/11	11/21/21
63102	GEN337	12/30/11	3.6	12/30/11	12/30/21

63084	GEN374	8/8/11	0.6	4/6/12	4/6/22
63141	GEN374	10/31/11	3	11/1/11	11/1/21
63050	GEN374	11/1/11	5.2	7/21/12	7/21/22
63026	GEN374	11/3/11	12.1	1/1/12	1/1/22
63304	GEN374	11/16/11	3.2	11/17/11	11/17/21
63044	GEN374	12/2/11	5.3	12/2/11	12/2/21
63801	GEN374	12/7/11	6	12/8/11	12/8/21
63026	GEN374	12/9/11	6.9	12/10/11	12/10/21
63146	GEN374	12/9/11	8.2	12/10/11	12/10/21
65101	GEN374	12/9/11	11.7	12/10/11	12/10/21
65039	GEN374	12/9/11	5.1	12/10/11	12/10/21
63106	GEN374	12/16/11	1.1	12/16/11	12/8/21
63106	GEN374	12/16/11	1.2	12/17/11	12/27/21
65109	GEN374	12/28/11	3.6	12/29/11	12/29/21
63141	GEN374	12/30/11	0.8	12/30/11	8/19/21
63052	GEN374	1/6/12	11.3	1/6/12	1/6/22
63025	GEN374	1/6/12	12.2	1/7/12	1/7/22
63011	GEN374	1/12/12	10.2	1/13/12	1/13/22
65109	GEN374	1/13/12	3.5	1/14/12	1/14/22
63109	GEN374	1/19/12	6.1	1/19/12	1/19/22
63109	GEN374	1/19/12	4.9	1/19/12	1/9/21
63104	GEN374	1/24/12	6.8	1/24/12	1/24/22
63129	GEN374	1/24/12	2.3	1/24/12	1/24/22
63131	GEN374	1/25/12	2.8	1/25/12	1/25/22
63640	GEN374	1/25/12	4	3/12/12	3/12/22
63108	GEN374	1/27/12	7.4	1/28/12	1/28/22
63052	GEN374	1/30/12	0.9	1/30/12	1/30/22
63105	GEN374	1/30/12	6.4	1/31/12	1/31/22
65109	GEN374	1/31/12	1.8	2/1/12	2/1/22
63031	GEN374	2/2/12	3.8	2/2/12	2/2/22
63105	GEN374	2/2/12	5.1	2/3/12	2/3/22
63090	GEN374	2/9/12	6.1	2/9/12	2/9/22
63110	GEN374	2/22/12	2.7	2/22/12	2/22/22
65023	GEN374	2/23/12	11.9	2/24/12	2/24/22
63025	GEN374	2/24/12	7.3	2/24/12	2/24/22
63017	GEN374	2/24/12	11.4	2/24/12	2/15/22
63640	GEN374	2/27/12	12.2	2/27/12	2/27/22
63101	GEN374	2/28/12	12.2	2/29/12	2/28/22
65041	GEN374	2/29/12	10.9	3/1/12	3/1/22
63110	GEN374	3/8/12	4.5	3/14/12	3/14/22
65026	GEN374	3/12/12	5.9	3/13/12	3/13/22
63106	GEN374	3/13/12	1.2	3/13/12	3/13/22
63144	GEN374	3/13/12	2.4	3/13/12	3/13/22

63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63010	GEN374	4/18/12	0.3	4/18/12	4/18/22
63052	GEN374	4/19/12	7.6	4/20/12	4/20/22
63701	GEN374	4/24/12	1.7	4/24/12	3/10/22
63126	GEN374	5/1/12	7.9	5/1/12	11/4/21
63052	GEN374	5/3/12	5.7	5/4/12	5/4/22
63010	GEN374	5/3/12	3.6	5/4/12	5/4/22
63366	GEN374	5/10/12	9.7	5/10/12	12/10/21
63109	GEN374	5/11/12	2.3	5/12/12	5/12/22
63366	GEN374	5/14/12	6.5	5/15/12	5/15/22
65041	GEN374	5/15/12	6.3	5/16/12	5/16/22
63366	GEN374	5/18/12	11.6	5/19/12	5/19/22
63025	GEN374	5/18/12	6.6	5/19/12	5/19/22
63010	GEN374	5/23/12	3.6	5/24/12	5/24/22
63090	GEN374	5/24/12	3.6	5/24/12	5/23/22
63368	GEN374	5/25/12	12.5	5/26/12	5/26/22
63028	GEN374	5/29/12	5.5	5/30/12	5/30/22
63118	GEN374	5/30/12	12.4	5/31/12	5/31/22
65049	GEN374	5/31/12	10.4	6/1/12	6/1/22
65052	GEN374	5/31/12	12.1	6/1/12	6/1/22
63038	GEN374	6/1/12	12.1	6/2/12	6/2/22
63376	GEN374	6/6/12	4.3	6/17/12	6/17/22
63124	GEN374	6/7/12	1.9	6/8/12	6/8/22
63130	GEN374	6/7/12	3.6	6/8/12	6/8/22
63069	GEN374	6/11/12	6.5	6/12/12	6/12/22
63069	GEN374	6/11/12	6.5	6/12/12	6/12/22
63069	GEN374	6/11/12	8.3	6/12/12	6/12/22
63104	GEN374	6/13/12	13.4	6/14/12	6/14/22
63015	GEN374	6/13/12	12.1	9/19/12	6/19/22
63026	GEN374	6/14/12	6.4	6/15/12	6/15/22
63366	GEN374	6/15/12	12.1	6/16/12	6/16/22
63118	GEN374	6/20/12	3.9	6/21/12	6/21/22
63366	GEN374	6/25/12	6.7	6/26/12	6/26/22

63112	GEN374	6/26/12	5.9	6/27/12	6/27/22
63051	GEN374	6/27/12	7.1	6/28/12	6/28/22
63090	GEN374	6/28/12	11.2	6/29/12	6/29/22
63090	GEN374	6/28/12	12.5	6/29/12	6/29/22
63109	GEN374	6/29/12	6.4	7/2/12	7/2/22
65109	GEN374	7/2/12	8.5	7/13/12	7/12/22
63368	GEN374	7/3/12	11.8	7/4/12	7/4/22
65068	GEN374	7/9/12	12.5	7/10/12	7/10/22
63129	GEN374	7/10/12	10.9	7/11/12	7/11/22
63108	GEN374	7/11/12	10.3	7/12/12	7/12/22
63366	GEN374	7/11/12	6.3	7/12/12	7/12/22
65049	GEN374	7/11/12	8.7	7/12/12	7/12/22
63122	GEN374	7/11/12	9.1	7/14/12	7/14/22
63069	GEN374	7/12/12	10.9	7/13/12	7/13/22
63017	GEN374	7/13/12	11.4	7/14/12	7/14/22
65043	GEN374	7/13/12	10.9	7/14/12	7/14/22
63143	GEN374	7/16/12	12.1	7/16/12	7/16/22
63051	GEN374	7/16/12	12.5	7/17/12	7/17/22
63026	GEN374	7/17/12	6.1	7/18/12	7/18/22
63114	GEN374	7/18/12	6.5	7/19/12	7/19/22
63146	GEN374	7/19/12	5.6	7/20/12	7/20/22
65026	GEN374	7/20/12	8.3	7/21/12	7/21/22
63042	GEN374	7/22/12	3.6	7/22/12	7/13/22
63130	GEN374	7/25/12	1.9	7/25/12	7/20/22
63023	GEN374	7/26/12	11.8	7/27/12	7/27/22
65285	GEN374	8/1/12	12.5	8/2/12	8/2/22
63366	GEN374	8/1/12	10.4	8/3/12	8/3/22
63110	GEN374	8/2/12	8.5	8/3/12	8/3/22
63108- 3014	GEN374	8/2/12	10.3	8/7/12	8/7/22
63010	GEN374	8/3/12	12.1	8/4/12	8/4/22
63129	GEN374	8/3/12	10.6	8/4/12	8/4/22
63119	GEN374	8/3/12	1.8	8/14/12	8/14/22
63026	GEN374	8/7/12	4.9	8/7/12	8/7/22
63128	GEN374	8/7/12	10.1	8/8/12	8/8/22
63376	GEN374	8/8/12	11.7	8/9/12	8/9/22
63366	GEN374	8/8/12	8.2	8/9/12	8/9/22
63011	GEN374	8/9/12	8.2	8/9/12	4/18/22
63376	GEN374	8/10/12	7.4	8/11/12	8/11/22
63026	GEN374	8/13/12	10.8	8/14/12	8/14/22
63119	GEN374	8/14/12	4.9	8/15/12	8/15/22
63105	GEN374	8/15/12	3.6	8/15/12	8/15/22
63376	GEN374	8/15/12	12.1	8/16/12	8/16/22

63109	GEN374	8/15/12	7.3	8/16/12	8/16/22
63128	GEN374	8/17/12	6.7	8/17/12	7/28/22
63069	GEN374	8/22/12	7.9	8/22/12	8/7/22
63041	GEN374	8/22/12	12.4	8/22/12	8/12/22
63069	GEN374	8/22/12	7.9	8/23/12	8/23/22
63122	GEN374	8/23/12	9.1	8/24/12	8/24/22
63069	GEN374	8/29/12	10	8/30/12	8/30/22
63119	GEN374	8/29/12	8.9	8/30/12	8/30/22
63379	GEN374	8/29/12	11.8	8/31/12	8/31/22
63119	GEN374	8/29/12	4.6	8/31/12	8/31/22
63366	GEN374	9/5/12	6.5	9/6/12	9/6/22
65026	GEN374	9/7/12	12.1	9/7/12	8/17/22
63069	GEN374	9/9/12	7.4	9/10/12	9/10/22
63127	GEN374	9/13/12	9.7	9/14/12	9/14/22
63033	GEN374	9/17/12	9.1	9/18/12	9/18/22
63131	GEN374	9/17/12	8.2	9/18/12	9/18/22
63131	GEN374	9/17/12	9.1	9/18/12	9/18/22
63385	GEN374	9/20/12	11.4	9/21/12	9/21/22
63701	GEN374	9/20/12	7.6	9/21/12	9/21/22
63126	GEN374	9/24/12	8.1	9/25/12	9/25/22
63104	GEN374	9/24/12	6.1	9/25/12	9/25/22
63304	GEN374	9/24/12	12.1	9/25/12	9/25/22
63034	GEN374	9/24/12	6.5	9/25/12	9/25/22
63033	GEN374	9/24/12	7.9	9/25/12	9/25/22
63301	GEN374	9/24/12	6.5	9/25/12	9/25/22
63010	GEN374	9/26/12	6.1	9/26/12	9/1/22
63366	GEN374	9/26/12	9.9	9/27/12	9/27/22
63146	GEN374	10/1/12	3.2	10/2/12	10/2/22
63376	GEN374	10/1/12	12.1	10/2/12	10/2/22
63301	GEN374	10/1/12	6.8	10/2/12	10/2/22
63376	GEN374	10/1/12	9.3	10/2/12	10/2/22
63640	GEN374	10/1/12	11.2	10/2/13	10/2/22
63801	GEN374	10/5/12	7.8	10/5/12	10/5/22
63824	GEN374	10/5/12	8.9	10/6/12	10/6/22
63366	GEN374	10/5/12	8.1	10/6/12	10/6/22
63038	GEN374	10/8/12	11.6	10/10/12	10/10/22
63084	GEN374	10/8/12	8.1	10/18/12	10/18/22
63005	GEN374	10/9/12	12.3	10/10/12	10/10/22
63349	GEN374	10/9/12	12.1	10/10/12	10/10/22
63368	GEN374	10/9/12	10.2	10/10/12	10/10/22
63357	GEN374	10/9/12	12.1	10/23/12	10/23/22
63110	GEN374	10/11/12	2.7	10/12/12	10/12/22
63130	GEN374	10/11/12	7.6	10/12/12	10/12/22

63089	GEN374	10/15/12	5.3	10/16/12	10/16/22
63132	GEN374	10/16/12	10.5	10/17/12	10/17/22
63028	GEN374	10/19/12	11.4	10/20/12	10/20/22
63026	GEN374	10/19/12	5.1	10/20/12	10/20/22
63343	GEN374	10/22/12	11.5	10/22/12	10/20/22
63368	GEN374	10/26/12	12.4	10/27/12	10/27/22
63701	GEN374	10/26/12	9.1	10/27/12	10/27/22
63379	GEN374	10/26/12	12.4	10/27/12	10/27/22
63146	GEN374	10/30/12	8	10/31/12	10/31/22
63118	GEN374	10/31/12	6.3	11/1/12	11/1/22
63303	GEN374	11/5/12	8.1	11/6/12	11/6/22
63104	GEN374	11/6/12	7.7	11/7/12	11/7/22
63104	GEN374	11/6/12	9.9	11/7/12	11/7/22
63038	GEN374	11/6/12	12.3	11/7/12	11/7/22
63124	GEN374	11/7/12	12	11/8/12	11/8/22
63703	GEN374	11/7/12	11.4	11/8/12	11/8/22
63088	GEN374	11/7/12	12.4	11/8/12	11/8/22
63020	GEN374	11/8/12	10.1	11/9/12	11/9/22
63104	GEN374	11/8/12	10.2	11/9/12	11/9/22
63119	GEN374	11/9/12	6.5	11/10/12	11/10/22
63068	GEN374	11/16/12	12.1	11/17/12	11/17/22
63110	GEN374	11/20/12	2.7	11/21/12	11/21/22
63301	GEN374	11/28/12	11.4	11/29/12	11/29/22
63131	GEN374	11/28/12	12.2	11/29/12	11/29/22
63070	GEN374	11/30/12	10.1	12/1/12	12/1/22
63068	GEN374	12/4/12	5.3	12/5/12	12/5/22
63334	GEN374	12/6/12	12.4	12/7/12	12/7/22
63015	GEN374	12/7/12	11.4	12/8/12	12/8/22
63012	GEN374	12/13/12	9	12/14/12	12/14/22
63131	GEN374	12/14/12	12.5	12/15/12	12/15/22
63055	GEN374	12/14/12	10.9	12/15/12	12/15/22
63146	GEN374	12/18/12	5.4	12/19/12	12/19/22
63104	GEN374	12/19/12	6.2	12/20/12	12/20/22
63069	GEN374	12/27/12	10.2	12/27/12	12/27/22
65049	GEN374	12/28/12	12.5	12/28/12	12/28/22
65049	GEN374	12/28/12	10.1	12/29/12	12/29/22
65072	GEN510	3/17/11	3.8	11/19/13	11/19/23
65109	GEN510	1/31/12	0.9	6/3/13	1/1/23
63068	GEN510	8/21/12	1.3	1/1/13	1/1/23
63090	GEN510	9/24/12	2.1	1/1/13	1/1/23
65043	GEN510	9/25/12	12.3	9/26/12	9/26/22
63376	GEN510	10/9/12	7.3	10/10/12	10/10/22
63021	GEN510	10/9/12	12.4	10/10/12	10/10/22

63011	GEN510	10/9/12	4.9	1/1/13	1/1/23
63005	GEN510	10/9/12	8.9	1/1/13	1/1/23
63361	GEN510	10/11/12	0.3	10/12/12	10/12/22
63376	GEN510	10/15/12	12.4	10/16/12	10/16/22
63139	GEN510	10/22/12	10.2	10/23/12	10/23/22
63124	GEN510	10/31/12	5	11/1/12	11/1/22
63119	GEN510	10/31/12	7.8	11/1/12	11/1/22
63301	GEN510	10/31/12	12.1	1/1/13	1/1/23
65043	GEN510	11/1/12	12.1	11/2/12	11/2/22
63124	GEN510	11/6/12	12.5	11/7/12	11/7/22
63660	GEN510	11/8/12	1.6	11/9/12	11/9/22
63110	GEN510	11/8/12	12.4	11/9/12	11/9/22
63126	GEN510	11/9/12	5.5	11/10/12	11/10/22
63624	GEN510	11/13/12	1.8	11/14/12	11/14/22
63361	GEN510	11/19/12	0.3	11/20/12	11/20/22
63628	GEN510	11/23/12	12.6	12/8/12	12/8/22
63379	GEN510	11/28/12	12.1	11/29/12	11/29/22
63303	GEN510	11/28/12	6.2	11/29/12	11/29/22
63021	GEN510	11/28/12	12.4	11/29/12	11/29/22
63304	GEN510	11/28/12	6.1	1/1/13	1/1/23
63021	GEN510	11/28/12	7.9	11/29/13	11/29/23
63366	GEN510	11/30/12	11.5	11/30/12	11/20/22
63116	GEN510	11/30/12	5.2	12/1/12	12/1/22
63050	GEN510	12/3/12	10.2	12/4/12	12/4/22
63049	GEN510	12/7/12	6.4	12/8/12	12/8/22
63303	GEN510	12/7/12	12.1	12/8/12	12/8/22
63090	GEN510	12/7/12	10.8	12/8/12	12/8/22
63129	GEN510	12/7/12	11.5	1/1/13	1/1/23
65101	GEN510	12/10/12	11.8	12/11/12	12/11/22
65066	GEN510	12/12/12	10.3	12/13/12	12/13/22
63015	GEN510	12/13/12	7.1	12/14/12	12/14/22
63005	GEN510	12/13/12	12.4	12/14/12	12/14/22
63011	GEN510	12/13/12	9.9	12/14/12	12/14/22
63038	GEN510	12/13/12	12	12/14/13	12/14/23
63090	GEN510	12/14/12	12.3	12/15/12	12/15/22
63090	GEN510	12/14/12	7.9	12/15/12	12/15/23
63090	GEN510	12/14/12	7.3	12/15/12	12/15/22
63090	GEN510	12/14/12	9.5	12/15/12	12/15/22
63043	GEN510	12/14/12	6.7	12/15/12	12/15/22
63119	GEN510	12/14/12	3.9	12/15/12	12/15/22
63124	GEN510	12/14/12	7.9	1/1/13	1/1/23
63131	GEN510	1/3/13	6.7	1/4/13	1/4/23
63050	GEN510	1/3/13	8.9	1/4/13	1/4/23

63141	GEN510	1/4/13	12.6	1/5/13	1/5/23
65084	GEN510	1/7/13	4.6	1/8/13	1/8/23
63301	GEN510	1/7/13	10.2	1/8/13	1/8/23
63143	GEN510	1/8/13	6.1	1/9/13	1/9/23
63736	GEN510	1/9/13	1.7	1/1/14	1/1/24
63005	GEN510	1/10/13	12.1	1/11/13	1/11/23
63025	GEN510	1/10/13	8.7	1/11/13	1/11/23
63366	GEN510	1/10/13	11.2	1/11/13	1/11/23
63303	GEN510	1/11/13	8.5	1/12/13	1/12/23
65582	GEN510	1/11/13	8.4	1/12/13	1/12/23
63127	GEN510	1/14/13	12.6	1/14/13	1/14/23
63052	GEN510	1/14/13	6.1	1/15/13	1/15/23
63051	GEN510	1/14/13	8.4	1/15/13	1/15/23
63126	GEN510	1/14/13	2.6	1/16/14	1/16/24
63303	GEN510	1/23/13	11.9	1/24/13	1/24/23
65109	GEN510	1/23/13	7.9	1/24/13	1/24/23
65109	GEN510	1/23/13	7.9	1/24/13	1/24/23
63025	GEN510	1/25/13	12.4	1/26/13	1/26/23
63128	GEN510	1/25/13	6.1	1/26/13	1/26/23
63129	GEN510	1/25/13	7.7	1/26/13	1/26/23
63010	GEN510	1/29/13	12.6	1/30/13	1/30/23
63645	GEN510	2/1/13	12.2	2/2/13	2/2/23
65265	GEN510	2/4/13	4.7	2/4/13	1/1/23
63026	GEN510	2/4/13	11.4	2/5/13	2/5/23
63130	GEN510	2/5/13	4.3	2/6/13	2/6/23
64477	GEN510	2/7/13	2.5	2/8/13	2/8/23
63144	GEN510	2/8/13	4.5	2/9/13	2/9/23
63141	GEN510	2/8/13	8.5	2/9/13	2/9/23
63130	GEN510	2/8/13	10	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
63368	GEN1119	3/11/14	8.9	3/11/14	3/11/24
63025	GEN1119	3/11/14	15.2	3/11/14	3/11/24
63090	GEN1119	3/11/14	33.3	3/11/14	3/11/24
63501	GEN1119	3/11/14	4	3/11/14	3/11/24
63041	GEN1119	3/11/14	22.7	3/11/14	3/11/24
63016	GEN1119	3/11/14	12.1	3/11/14	3/11/24
63546	GEN1119	3/11/14	28.3	3/11/14	3/11/24
63546	GEN1119	3/11/14	33.7	3/11/14	3/11/24
63546	GEN1119	3/11/14	33.7	3/11/14	3/11/24
63072	GEN1119	3/11/14	24.5	3/11/14	2/26/24
63025	GEN1119	3/12/14	15.9	3/12/14	3/12/24
63069	GEN1119	3/12/14	33.4	3/12/14	3/12/24
63025	GEN1119	3/12/14	13.8	3/12/14	3/12/24
63077	GEN1119	3/12/14	33.3	3/12/14	3/12/24
63077	GEN1119	3/12/14	33.3	3/12/14	3/12/24
63826	GEN1119	3/12/14	27.8	3/12/14	3/7/24
63826	GEN1119	3/12/14	25.3	3/12/14	3/7/24
63090	GEN1119	3/13/14	5.9	3/13/14	3/13/24
63739	GEN1119	3/13/14	23.8	3/13/14	3/13/24
63740	GEN1119	3/13/14	8.6	3/13/14	3/13/24
63026	GEN1119	3/13/14	11.1	3/13/14	3/13/24
63138	GEN1119	3/13/14	8.8	3/13/14	3/13/24
63069	GEN1119	3/13/14	13.1	3/13/14	3/13/24
63701	GEN1119	3/13/14	18.3	3/13/14	3/13/24
63376	GEN1119	3/13/14	16.1	3/13/14	3/13/24
63108	GEN1119	3/13/14	6.5	3/13/14	3/13/24
63069	GEN1119	3/13/14	12.4	3/13/14	3/13/24
63129	GEN1119	3/13/14	10.3	3/13/14	3/13/24
63385	GEN1119	3/13/14	33.3	3/13/14	3/13/24
63385	GEN1119	3/13/14	33.3	3/13/14	3/13/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24

63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
65101	GEN1119	3/14/14	21.4	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63010	GEN1119	3/14/14	0.3	3/14/14	3/14/24
63376	GEN1119	3/14/14	12.1	3/14/14	3/14/24
63114	GEN1119	3/14/14	5.4	3/14/14	3/14/24
63114	GEN1119	3/14/14	8.8	3/14/14	3/14/24
63144	GEN1119	3/14/14	33.3	3/14/14	3/14/24
63301	GEN1119	3/14/14	15.2	3/14/14	3/14/24
63139	GEN1119	3/14/14	33.3	3/14/14	3/14/24
63110	GEN1119	3/14/14	7.6	3/14/14	3/14/24
63110	GEN1119	3/14/14	12	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	4.3	12/13/12	12/13/22
65109	GEN2204	1/13/12	2.9	4/4/14	4/4/24
63025	GEN2204	2/24/12	3.6	4/25/14	4/25/24
63366	GEN2204	5/17/12	8.3	5/18/12	5/18/22
63146	GEN2204	5/25/12	5.1	6/27/12	6/27/22
63701	GEN2204	6/26/12	9.5	6/27/12	6/27/22
63108	GEN2204	7/11/12	11.2	6/19/14	6/19/24
63143	GEN2204	7/16/12	16.5	4/1/14	4/1/24
63026	GEN2204	7/18/12	6.7	1/14/13	1/14/23
63109	GEN2204	8/15/12	2.6	2/4/14	2/4/24
63021	GEN2204	9/17/12	77	9/5/13	9/5/23
65101	GEN2204	9/18/12	10.9	1/9/14	1/9/24
65039	GEN2204	9/19/12	3.1	1/9/14	1/9/24

63010	GEN2204	9/26/12	6.7	3/27/14	3/27/24
63304	GEN2204	10/11/12	7.4	10/12/12	10/12/22
63109	GEN2204	11/6/12	17.1	11/6/12	11/5/23
63105	GEN2204	11/9/12	6.8	11/9/13	11/9/23
63044	GEN2204	11/26/12	31.3	11/26/12	11/26/23
63044	GEN2204	11/28/12	31.3	11/28/12	11/26/23
63049	GEN2204	12/7/12	4	6/6/14	6/6/24
63026	GEN2204	12/11/12	31.6	12/11/12	12/11/22
63026	GEN2204	12/11/12	31.6	12/11/12	12/11/22
63026	GEN2204	12/11/12	31.6	12/11/12	12/11/22
63366	GEN2204	12/12/12	31.9	1/2/14	1/2/24
63012	GEN2204	12/13/12	3.5	4/28/14	4/28/24
63043	GEN2204	12/14/12	22.4	12/14/12	12/12/23
63385	GEN2204	12/17/12	31.9	12/12/13	12/12/23
63366	GEN2204	12/17/12	31.9	12/12/13	12/12/23
63042	GEN2204	1/3/13	31.6	1/3/13	1/2/23
63045	GEN2204	1/3/13	31.9	1/1/14	1/1/24
63701	GEN2204	1/4/13	11.7	1/4/13	12/11/23
63701	GEN2204	1/4/13	12.3	1/4/13	12/12/23
63301	GEN2204	1/11/13	11.2	1/14/13	1/14/23
63016	GEN2204	1/14/13	12.4	1/14/13	1/14/23
63072	GEN2204	1/23/13	28.5	1/14/14	1/14/24
63640	GEN2204	2/1/13	15.8	2/1/13	1/14/23
65039	GEN2204	2/20/13	30.4	3/4/14	3/14/24
63108	GEN2204	2/26/13	31.6	3/6/13	3/6/23
63042	GEN2204	2/27/13	31.6	2/27/13	1/2/23
63128	GEN2204	2/28/13	6.8	3/25/13	3/25/23
63089	GEN2204	3/8/13	31.6	3/21/13	3/21/23
63089	GEN2204	3/8/13	18.6	3/21/13	3/21/23
63043	GEN2204	3/11/13	31.3	3/11/13	12/12/23
63348	GEN2204	4/2/13	13	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
63361	GEN3655	5/22/14	33.7	5/22/14	5/22/24
63366	GEN3655	5/22/14	33.4	5/22/14	5/22/24
65233	GEN3655	7/1/14	3.4	7/1/14	7/1/24
63050	GEN3655	7/9/14	3.5	7/9/14	7/9/24
63112	GEN3655	7/16/14	5.4	7/16/14	7/16/24
63130	GEN3655	10/6/14	5.4	10/6/14	10/6/24
63005	GEN3655	11/15/14	16.2	11/15/14	11/15/24
63129	GEN3655	12/2/14	2	12/2/14	12/2/24
63122	GEN3655	10/25/18	33.7	10/25/18	10/25/28
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 CORRECTED 2021 COMPLIANCE REPORT –
PUBLIC VERSION**

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

1. I am Vice President and Chief Renewable Development Office for Ameren Missouri. My business address is One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103.
2. As Vice President and 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 Public version of the Second Corrected RES Compliance Report filed in August of 2022 for the calendar year 2021.
4. I hereby swear and affirm under penalty of perjury that the information contained in this Affidavit is true and correct.

Further, affiant sayeth not.

/s/ Ajay Arora
Ajay Arora

Subscribed and sworn to before me this 15th day of August, 2022.