Minnesota Department of Commerce

Solar Energy Production Report Form

1/13/2023 form version

For questions about this worksheet, contact Kim Grosenheider at 651-539-1808 or kim.grosenheider@state.mn.us.

Instructions

Enter data into the light green cells (example below) in each of the worksheets.

example cell

Non-light green cells should not be changed. However, some formulas may need adjustments from the default. Follow instructions.

Individual worksheets contain instructions, indicated by a red triangle in the upper right of the cell.

Add data to the previous year's spreadsheet, DO NOT use a new spreadsheet each year.

e-file by February 1 in Excel (XLS or XLSX) format, DO NOT submit as a PDF

Worksheet 1. General Information

Worksheet 2. Production Data

Worksheet 3. Production Loss Data

Worksheet 4. Solar Strength Gradient Data

Definitions

kWh = kilowatt hour

m² = meters squared

MW = megawatt

MWh = megawatt hour

MISO = Midcontinent Independent System Operator

General I	nformation
Project Name:	
Docket Number:	
Permit states production data is:	
Permittee is filing data as:	
Person Completing Spreadsheet:	
Phone: Email:	
Entail.	
Installed Nameplate Capacity (MW):	100
Operation Start Date:	
Repower Installed Nameplate Capacity (MW):	
Repower Start Date:	
2nd Repower Installed Nameplate Capacity (MW):	
2nd Repower Start Date:	
Operation Stop Date:	
Nichola Collade Collade Collade	
Notes - including any majo	r performance improvements

				Pı	roduction Data			
	Day	Daily Energy Generated	Month	Number of Days in Month	Total Monthly Energy Generated	Monthly Capacity Factor	Annual Energy Generated	Annual Capacity Factor
unit of measure		MWh A		В	MWh C	percent D	MWh E	percent F
formula					=SUM(A1:Ax)	=C/(nameplate capacity x B x 24)	=SUM(C1:C12)	=E/(nameplate capacity x (SUM(B1:B12) x 24)
					Example			
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		November	30	0	0.0%		
		November	30	0	0.0%		
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			Proc	duction Loss Data		
	Type of Outage	Outage Start	Outage End	Reason for Production Loss	Duration of Outage	Total Outage for Year
unit of measure formula		Date and Time A	Date and Time B		hours:minutes E =(B-A)	hours F =SUM(E1:Ex)
,				Example	,	, ,
EAR:	Partial Outage	2/14/21 1:07 PM	2/15/21 1:07 PM	Curtailment - MISO Ordered	24:00	
XXX	Full Outage	7/4/21 12:00 AM	7/12/21 3:16 PM	Unknown	207:16	
	Full Outage	9/22/21 5:00 PM		Interference - Weather	0:58	
	Partial Outage	11/12/21 3:45 AM	11/19/21 8:09 PM 12/29/21 2:34 AM	Maintenance - Scheduled	184:24	
	Full Outage	12/23/21 8:45 PM	12/29/21 2:34 AM	Human Error	125:49 0:00	
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		Solar	Strengtl	h Gradien	t Data	
	Day	Solar Strength Gradient	Month	Number of Days in Month	Average Monthly Solar Strength Gradient	Average Annual Solar Strength Gradient
unit of measure		kWh/m²/Day A		В	kWh/m²/Day C	kWh/m²/Day D
formula					=SUM(A1:Ax)/B	=AVERAGE(C1:C12)
				Example	•	
YEAR:	1/1/2022	155.3	January	31	211.1	514.5
XXXX	1/2/2022	33.3	February	28	387.0	51
	1/3/2022	244.4	March	31	565.6	
	1/4/2022	386.2	April	30	555.3	
	1/5/2022 1/6/2022	331.5 390.9	May June	31 30	715.2 840.3	
	1/7/2022	416.9	July	31	875.4	
	1/8/2022	257.0	August	31	663.5	
	1/9/2022 1/10/2022	46.0 22.4	September October	30 31	581.2 375.9	
	1/11/2022	8.3	November	30	241.3	
	1/12/2022	41.8	December	31	162.4	
	12/31/2022	273.2				
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		February March April May June July August September October November December January February March April May June July August September October October	28 31 30 31 30 31 31 31 30 31 30 31 30 31 31 31 30 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December January June July August September October November December January February March	28 31 30 31 30 31 31 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0

		June	30	0.0		
		July	31	0.0		
		August	31	0.0		
		September	30	0.0		
		October	31	0.0		
		November	30	0.0		
		December	31	0.0		
VEAD.						
YEAR:		January	31	0.0	0.0	
		February	28	0.0		
		March	31	0.0		
		April	30	0.0		
		May	31 30	0.0		
		June July	31	0.0		
		August	31	0.0		
		September	30	0.0		
		October	31	0.0		
		November	30	0.0		
		December	31	0.0		
YEAR:		January	31	0.0	0.0	
		February	28	0.0		
		March	31	0.0		
		April	30	0.0		
		May	31	0.0		
		June	30	0.0		
		July	31	0.0		
		August September	31 30	0.0		
		October	31	0.0		
		November	30	0.0		
		December	31	0.0		
YEAR:		January	31	0.0	0.0	
YEAR:		January February	31 28	0.0	0.0	
YEAR:				0.0	0.0	
YEAR:		February March April	28 31 30	0.0 0.0 0.0	0.0	
YEAR:		February March April May	28 31 30 31	0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June	28 31 30 31 30	0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July	28 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August	28 31 30 31 30 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September	28 31 30 31 30 31 31 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August	28 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October	28 31 30 31 30 31 31 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July	28 31 30 31 30 31 31 30 31 30 31 31 28 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July August	28 31 30 31 30 31 31 30 31 30 31 31 28 31 30 31 31 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July	28 31 30 31 30 31 31 30 31 30 31 31 28 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July August September	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July August September October	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 31 30 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 32 31 31 30 31 31 31 31 32 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December January February June July August September October November December January February March April	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December January February August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December January February June July August September October November December January February March April	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December January February August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	

		July	31	0.0	
		August	31	0.0	
		September	30	0.0	
		October	31	0.0	
		November December	30 31	0.0	
		December	31	0.0	
	l.	 _!			
YEAR:		January	31	0.0	0.0
		February	28	0.0	
		March	31	0.0	
		April	30	0.0	
		May	31	0.0	
		June	30	0.0	
		July	31	0.0	
		August September	31 30	0.0	
		October	31	0.0	
		November	30	0.0	
		December	31	0.0	
		1		,	
YEAR:		January	31	0.0	0.0
		February	28	0.0	
		March	31	0.0	
		April May	30 31	0.0	
		June	30	0.0	
		July	31	0.0	
		August	31	0.0	
		September	30	0.0	
		October	31	0.0	
		November	30	0.0	
		December	31	0.0	
YEAR:		January	31	0.0	0.0
YEAR:			31	0.0	0.0
YEAR:		January February March			0.0
YEAR:		February	28	0.0 0.0 0.0	0.0
YEAR:		February March April May	28 31 30 31	0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June	28 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July	28 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August	28 31 30 31 30 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July	28 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October	28 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June	28 31 30 31 30 31 31 31 30 31 31 30 31 30 31 30 31 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July	28 31 30 31 30 31 31 30 31 30 31 31 28 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September October	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December January June July August September October November December January February March	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November June July August September October November December January February March April April	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November June July August September October November December January February March April April	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0

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		August	31	0.0	
		September	30	0.0	
		October	31	0.0	
		November	30	0.0	
		December	31	0.0	
VEAD.					
YEAR:		January	31	0.0	0.0
		February	28	0.0	
		March	31	0.0	
		April	30	0.0	
		May	31	0.0	
		June	30	0.0	
		July	31 31	0.0	
		August September	30	0.0	
		October	31	0.0	
		November	30	0.0	
		December	31	0.0	
YEAR:		January	31	0.0	0.0
		February	28	0.0	-1
		March	31	0.0	
		April	30	0.0	
		May	31	0.0	
		June	30	0.0	
		July	31	0.0	
		August	31	0.0	
		September	30	0.0	
		October	31	0.0	
		November	30	0.0	
		December	31	0.0	
YEAR:					2.0
TLAN.					
		January	31	0.0	0.0
		February	28	0.0	0.0
		February March	28 31	0.0	0.0
		February March April	28 31 30	0.0 0.0 0.0	0.0
		February March April May	28 31 30 31	0.0 0.0 0.0 0.0	0.0
		February March April May June	28 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July	28 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August	28 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July	28 31 30 31 30 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October	28 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
WEAD		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May	28 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July	28 31 30 31 30 31 31 31 30 31 31 30 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 31 31 30 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July	28 31 30 31 30 31 31 31 30 31 31 30 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October October	28 31 30 31 30 31 31 31 30 31 30 31 30 31 31 30 31 30 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
YEAR:		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December January June July August September October November December January February March April	28 31 30 31 30 31 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0

		September	30	0.0		
		October	31	0.0		
		November	30	0.0		
		December	31	0.0		
		1		ı		
YEAR:		January	31	0.0	0.0	
		February	28	0.0		
		March	 31	0.0		
		April	30	0.0		
		May	31	0.0		
		June	30	0.0		
		July	31	0.0		
		August	31	0.0		
		September	30 31	0.0		
		October November	30	0.0		
		December	31	0.0		
		December	31	0.0	!	
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YEAR:		January	31	0.0	0.0	
		February	28	0.0	5.0	
		March	31	0.0		
		April	30	0.0		
		May	31	0.0		
		June	30	0.0		
		July	31	0.0		
		August	31	0.0		
		September	30	0.0		
		October	31	0.0		
		November	30	0.0		
		December	31	0.0		
YEAR:		January	31	0.0	0.0	
TEAN.						
				0.0	0.0	
		February	28	0.0	0.0	
		February March	28 31	0.0 0.0	0.0	
		February March April	28 31 30	0.0 0.0 0.0	0.0	
		February March April May	28 31 30 31	0.0 0.0 0.0 0.0	0.0	
		February March April May June	28 31 30 31 30	0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May	28 31 30 31	0.0 0.0 0.0 0.0	0.0	
		February March April May June July	28 31 30 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August	28 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	6.0	
		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October	28 31 30 31 30 31 31 31 30 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
		February March April May June July August September October November	28 31 30 31 30 31 31 30 31 30 31 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
VEAD		February March April May June July August September October November December	28 31 30 31 30 31 31 31 30 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February	28 31 30 31 30 31 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March	28 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April	28 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 30 31 30 30 30 30 30 30 30 30 30 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May June	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 30 31 30 31 30 31 30 31 30 31 30 31 30 30 30 30 30 30 30 30 30 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May	28 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May June July	28 31 30 31 30 31 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 30 31 30 30 31 30 30 31 30 30 31 30 30 30 30 30 30 30 30 30 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
YEAR:		February March April May June July August September October November December January February March April May June July August	28 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		
/EAR:		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 30 31 30 30 31 30 30 30 30 30 30 30 30 30 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October	28 31 30 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 30 31 30 30 31 30 30 30 30 30 30 30 30 30 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 30 31 30 30 31 30 30 30 30 30 30 30 30 30 30	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November	28 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December January February August September October November December January February March April	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
		February March April May June July August September October November December January February March April May June July August September October November December January February August September October November December January February March April May June July June July	28 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	
YEAR:		February March April May June July August September October November December January February March April May June July August September October November December	28 31 30 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 30 31 31 31 30 31 31 31 31 31 31 31 31 31 31	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0	

		October November December	31 30 31	0.0 0.0 0.0	
YEAR:		January	31	0.0	0.0
		February	28	0.0	<u> </u>
		March	31	0.0	
		April	30	0.0	
		May	31	0.0	
		June	30	0.0	
		July	31	0.0	
		August	31	0.0	
		September	30	0.0	
		October	31	0.0	
		November	30	0.0	
		December	31	0.0	