

THE EMPIRE DISTRICT ELECTRIC COMPANY

2021

ANNUAL RENEWABLE ENERGY STANDARD COMPLIANCE REPORT

Prepared in Compliance with 20 CSR 4240-20.100

April 2022

****Indicates Highly Confidential****

Indicates Confidential



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2021 ANNUAL RENEWABLE ENERGY STANDARD

COMPLIANCE REPORT

INTRODUCTION

Pursuant to the Missouri Public Service Commission's (Commission) renewable energy standards rule, 20 CSR 4240-20.100(8), The Empire District Electric Company (EDE or Empire), a Kansas corporation, is filing the Annual Renewable Energy Standard (RES) Compliance Report. The rule became effective in September 2010, and pursuant to the rule EDE must file the 2021 RES Compliance Report on or before April 15, 2022.

EDE began to develop its wind renewable energy portfolio on December 10, 2004, when it entered into a 20-year contract with Elk River Windfarm, LLC (owned by Avangrid Renewables, LLC) to purchase all of the energy generated at the 150-megawatt Elk River Windfarm located in Butler County, Kansas. On June 19, 2007, EDE enhanced its renewable energy portfolio when it entered into a 20-year purchased power agreement with Cloud County Wind Farm, LLC. EDP Renewables North America, LLC is an indirect parent company of Cloud County Wind Farm, LLC. Pursuant to the terms of the agreement, EDE purchases all of the output from the 105-megawatt Phase 1 Meridian Way Wind Farm located in Cloud County, Kansas. In addition, the Ozark Beach Hydroelectric Project, owned by EDE, has produced renewable hydropower for many years.

Effective May 16, 2015, Empire began offering rebates for Missouri customers for qualifying solar installations in accordance with the Missouri RES and Empire's Solar Rebate Rider approved by the Commission, which continued in 2021.

At the end of 2020, construction of the North Fork Ridge Wind project was completed. This 149-MW facility is located in Missouri and started operation in December of 2020. In addition to this new project, the 300-MW Neosho Ridge Wind project (located in Kansas), and the 149-MW Kings Point Wind project (located in Missouri) reached commercial operation in 2021. These Commission-approved resources were added to fulfill the Customer Savings Plan. Empire also completed the addition of the 2.2-MW Prosperity Solar Farm in 2021.

The RES rules allow for the banking of Renewable Energy Credits (REC) for up to a three-year time period. In the past, this has allowed the use of eligible Ozark Beach and Elk River Windfarm RECs generated in earlier years. In 2021, RECs generated in 2020 and 2021 were used for the RES requirement which were generated at Elk River Windfarm, Meridian Way Wind Farm, North Fork Ridge Wind, Kings Point Wind, Ozark Beach, and customer-generated solar.

The following sections provide information required to indicate compliance with the rule:

SECTION (8) (A) 1 A, B: TOTAL MISSOURI RETAIL ELECTRIC SALES AND REVENUE

The following table represents the number of megawatt-hours (MWh) of electricity delivered in 2021 by EDE to its Missouri retail customers, as reflected in the monthly billing statements. In addition, a column is provided capturing the revenue from total retail electric sales to Missouri customers:

Table 1: Missouri 2021 Total Retail Sales

Year	MWh	Revenue
2021	4,185,550	\$474,937,560

Data Source: Customers Kilowatt Hours Revenue Report

SECTION (8) (A) 1 C: TOTAL RETAIL ELECTRIC SALES SUPPLIED BY RENEWABLE ENERGY RESOURCES

The following table indicates the renewable generation sources used during 2021 and the MWhs that were supplied. (See ATTACHMENT 1)

Table 2: Total 2021 Retail Electric Sales Supplied by Renewable Energy

Facility	Generation (MWh)	Percentage	Energy Supplied to MO Retail Customers (MWh)
Elk River	300,512	88.90%	267,155
Meridian Way	178,947	88.90%	159,084
Ozark Beach	50,542	88.90%	44,931
North Fork Ridge	498,279	88.90%	442,970
Kings Point	407,657	88.90%	362,407
Neosho Ridge	888,337	88.90%	789,732
TOTAL			2,066,228

SECTION (8) (A) 1 D: CURRENT NUMBER AND VALUE OF RECS CREATED BY EDE OWNED FACILITIES

In 2021, EDE-owned Ozark Beach generated energy which allowed for the creation of 50,542 RECs. Using the provision of the Missouri RES allowing for additional credit of 0.25, the resultant RECs available for compliance totaled 63,177 RECs (50,542 x 1.25). The value of the energy generated by Ozark Beach for calendar year 2021 was \$*____*/MWh as determined by the locational marginal pricing through the Southwest Power Pool (SPP).

In 2021, Missouri-resourced RECs from EDE-owned North Fork Ridge (7,335) and Kings Point (62,265) were used for compliance due to NARR registration lag and lower than anticipated production from the wind purchased power agreement. The value of energy generated by North Fork Ridge for 2021 was \$*____*/MWh, and the value of energy generated at Kings Point was \$*____*/MWh as determined by locational marginal pricing through the SPP.

The value of the customer generated solar energy was \$50.13/SREC. This value is determined using the rebate amount of \$22,157,862 paid in solar rebates divided by 44,198 (the amount of SRECs received). The rebate entitles EDE to receive SRECs from these systems for 10 years.

Completion and operation of the Prosperity Solar Farm generated 1,253 SRECs in 2021. These SRECs were retired on behalf of participating customers per the Community Solar Pilot Program tariff filed with the Commission and are not used for compliance.

SECTION (8) (A) 1 E, F: SOURCE AND NUMBER OF RECS ACQUIRED, SOLD, TRANSFERRED, RETIRED

RECS ACQUIRED:

EDE receives renewable energy from multiple sources: ownership of Ozark Beach; ownership of Kings Point, North Fork Ridge and Neosho Ridge Wind projects; ownership of Prosperity Solar Farm; two purchased power agreements (Elk River Windfarm and Meridian Way Wind Farm); and customer-generated solar. EDE utilizes the North American Renewable Registry (NARR) as recommended by Staff and approved by the Commission for tracking all RECs.

Pursuant to the terms of the two 20-year windfarm agreements, EDE purchases all of the output from the 150-megawatt Elk River Windfarm, and the 105-megawatt Meridian Way Wind Farm. In 2021, Elk River generated 300,512 MWhs and Meridian Way generated 178,947 MWhs. (See ATTACHMENT 2)

RECS SOLD/TRANSFERRED:

During 2021, 88,630 RECs from Meridian Way were sold through a purchased power agreement with Missouri Joint Municipal Electric Utility Commission and on the open market. EDE was able to register and certify the new wind resources in 2021 and sold 281,947 RECs from Kings Point Wind, 906,439 from Neosho Ridge Wind, and 421,661 from North Fork Ridge. (See ATTACHMENT 3). These RECs were sold and transferred in the NARR.

RECS RETIRED:

During 2021, 54,857 vintage 2020 and 2021 RECs from hydroelectric generation at Ozark Beach were retired to help fulfill the non-solar Missouri compliance obligation. In addition, 438,743 vintage 2020 and 2021 RECs from generation at the Elk River Windfarm, Meridian Way Wind Farm, Kings Point Wind, and North Fork Wind were retired for the non-solar RES obligation for 2021. Although Ozark Beach, Elk River and Meridian Way typically provide adequate generation for 2021 compliance, generation was lower than anticipated during the last part of the year. Generation from Empire-owned wind resources was required for end-of-year compliance retirement.

In March of 2022, 14,211 vintage 2021 RECs from Ozark Beach, 19,207 from Elk River, and 15,436 from Meridian Way were retired to complete the 2021 Missouri compliance obligation. RECs generated from Ozark Beach, Kings Point Wind and North Fork Wind are entitled to the 1.25 multiplying factor as they represent Missouri based generation.

In addition, 40,636 SRECs generated from EDE customers (EDE Solar Aggregate Assets 1 – 39) in 2020 were utilized and were retired in December of 2021. Any remaining SRECs will be banked for future use. SRECs from customer installed net metered systems are entitled to the 1.25 compliance multiplying factor as they represent Missouri based generation.

In total, 542,454 RECs and 40,636 SRECs were retired to fulfill the 2021 Missouri compliance obligation. (See ATTACHMENT 4). Prosperity Community Solar Project retired 1,253 SRECs generated in 2021 on behalf of subscribing customers.

Table 3: Total 2021 RECs Sold, Carried Forward or Used for Compliance

Facility	2021 Generation (MWh)	RECs Sold in 2021	RECs Carried Forward	RECs Retired in 2021 for Compliance	RECs Retired in 2022 for Compliance
Elk River	300,512	0	45,507	308,979	19,207
Meridian Way	178,947	88,630	14,717	60,164	15,436
Ozark Beach	50,542	0	0	54,857	14,211
North Fork Ridge	498,279	421,661	108,731	7,335	0
Kings Point	407,657	281,947	63,445	62,265	0
Neosho Ridge	888,337	906,439	4,700	0	0
EDE Solar Aggregates 1 - 44	44,198	0	44,198	40,636	
Prosperity Community Solar (not for MoRES Compliance)	1,253			1,253	
TOTAL	2,369,725	1,698,677	281,298	493,600	48,854

*North Fork Ridge and Neosho Ridge sales include some generation from 2020.

**Prosperity Solar retirement is not associated with the MORES Standard.

SECTION (8) (A) 1 G: IDENTIFICATION OF RECS CARRIED FORWARD

RECS CARRIED FORWARD:

RECs and SRECs generated by renewable energy resources were carried forward at the end of 2021 as indicated in Table 3. The majority of the RECs were used for compliance or sold during the first quarter of 2022. Any remaining RECs or SRECs will be held for future compliance or sale benefitting customers through the fuel adjustment clause. (See ATTACHMENT 5)

SECTION (8) (A) 1 H: GAINS AND LOSSES FROM SALE OR PURCHASE

The sale of excess REC's not needed for compliance of any sort of renewable energy standards, will attempt to be monetized through sales to third parties and the revenue received from any sales of excess REC's will be distributed back to retail customers through the appropriate tracker mechanisms for each jurisdiction. The revenue generated from REC's will be distributed back to customers for generation and REC creation after the associated investments are reflected in actual rates.

ATTACHMENTS 1 and 3 include the amount of wind generation allocated for Missouri retail customers by each wind farm and the REC report indicating sales of 2021 Kings Point Wind, Meridian Way, Neosho Ridge Wind, and North Fork Ridge Wind RECs. Any gains from sale or purchase were returned to the customers through the fuel adjustment.

SECTION (8) (A) 1 I: ACQUISITION OF RENEWABLE ENERGY

Non-Solar renewable energy is purchased for EDE from the following non-utility owned facilities:

Elk River Wind (Resource)
Avangrid Renewables (Owner) 14980 SE 190th Rd.
Latham, KS 67072

Meridian Way I (Cloud County) Wind (Resource)
EDP Renewables North America LLC (Owner) 1409 Iron Road
Concordia, KS 66901

All energy was derived from eligible renewable energy technology (wind, hydro and solar). ATTACHMENT 6 includes information to certify that the renewable energy attributes of the energy from Elk River Windfarm and the Cloud County Meridian Way Wind Farm, have not been used to meet the requirements of any other local or state mandate.

SECTION (8) (A) 1 J: ACQUISITION OF ELECTRICAL ENERGY AND/OR RECS FROM CUSTOMER GENERATORS

ATTACHMENT 7 shows the system operational dates and estimated amounts of SRECs generated from customer generators using the Commission–approved estimation method, PVWatts. The SRECS were acquired by EDE as a condition of receiving the solar rebate instituted in May of 2015 and extending through 2021.

SECTION (8) (A) 1 K: CUSTOMERS RECEIVING SOLAR REBATE

For the calendar year 2021, the annual number of customers that applied and received a solar rebate by December 31, 2021 in accordance with section (4) of the Rule was 304. A total of 3,245 Missouri solar net metering customers have been connected to the Empire system as of that date.

SECTION (8) (A) 1 L: CUSTOMERS DENIED SOLAR REBATE

EDE makes every effort to award the solar rebate to every applicant. Applications have been delayed due to failure to comply or submit to the requirements of the rebate, but no applications have been denied.

SECTION (8) (A) 1 M: FUNDS EXPENDED BY EDE FOR SOLAR REBATES

Annual funds expended by EDE for 2021 solar rebates totaled \$1,112,174. Since the beginning of the rebate program over \$22 million has been expended for solar rebates.

SECTION (8) (A) 1 N: ANNUAL COMPLIANCE WITH RES COMPLIANCE PLAN

See Affidavit of Compliance with 2021 Compliance Plan, ATTACHMENT 8.

SECTION (8) (A) 1 O: NON-COMPLIANCE WITH RES COMPLIANCE PLAN

EDE has made every effort to comply and believes it has achieved compliance with the Missouri RES Compliance Plan for the 2021 compliance period.

SECTION (8) (A) 1 P: CALCULATION OF ACTUAL CALENDAR YEAR RETAIL RATE IMPACT

See ATTACHMENT 9. The calculations in ATTACHMENT 9 are based on total company not Missouri jurisdictional.

The 2021 retail rate impact is 0.24% calculated using the total 2021 compliance cost of \$1,154,213 and the 2021 revenue requirement of \$474,937,560. Costs incurred for 2021 compliance totaled \$34,539 for the registration, retirement, and associated costs of REC and SREC management and reporting. Solar costs incurred for 2021 solar rebates paid totaled \$1,112,174. The total compliance cost for 2021 was \$1,154,213.

The retail rate impact (RRI) shall be calculated pursuant to Missouri statute and regulation and shall be calculated annually on an incremental basis for each planning year based on procurement or development of renewable energy resources averaged over the succeeding ten- (10) year period. The modeling indicates this amount may be exceeded with the addition of the new renewable energy resources to fulfill the Customer Savings Plan, which were not specifically constructed for RES compliance. The table below indicates adequate generation to meet the total RES Requirement using Elk River, Meridian Way and Ozark Beach, when the generation from customer-generated solar is also considered (approximately 44,198 RECs x 1.25 Missouri-sourced

multiplier). The cost of adding the new wind projects will not impact compliance until the termination of the Elk River contract in December of 2024.

Table 4: Projected Non-Solar Compliance

Time Period	RES Requirement Percent	Mo Retail Sales (MWh)	Non Solar Resources ¹							Total Non-Solar Requirement	Total RES Requirement ³
			Elk River	Meridian Way	Ozark Beach	North Fork Ridge Wind	Kings Point Wind	Neosho Ridge Wind	Total Potential ²		
2022	15%	4,308,795	282,000	277,000	67,500	718,750	750,000	1,325,000	3,420,250	633,393	646,319
2023	15%	4,338,622	282,000	277,000	67,500	718,750	750,000	1,325,000	3,420,250	637,777	650,793
2024	15%	4,365,882	282,000	277,000	67,500	718,750	750,000	1,325,000	3,420,250	641,785	654,882

ATTACHMENT 1:

WIND GENERATION ALLOCATION FOR MO RETAIL CUSTOMERS 2021

Facility	Generation (MWh)	Percentage*	Energy Supplied to Missouri Retail Customers (MWh)
Elk River Windfarm	300,512	88.9%	267,155
Cloud County Meridian Way Windfarm	178,947	88.9%	159,084
North Fork Ridge Wind	498,279	88.9%	442,970
Kings Point Wind	407,657	88.9%	362,407
Neosho Ridge Wind	888,337	88.9%	789,732

* Allocation based on 12-month average CP Demand Factor

The Empire District Electric Company
 Liberty Utilities
 2021 Annual RES Compliance Report

The Empire District Electric Company
 Liberty Utilities
 2021 Annual RES Compliance Report
 HIGHLY CONFIDENTIAL 20 CSR 4240-2.135(4)

ATTACHMENT 2: RECS ACQUIRED

HIGHLY CONFIDENTIAL payment amounts and meter readings are Highly Confidential.

PURCHASED POWER FROM CLOUD COUNTY MERIDIAN WAY WIND FARM

	<u>Payment</u>	<u>Date</u>	<u>Supplier Name</u>	<u>Meter Readings</u>	
	<u>Amount</u>				
**	**	2/26/2021	Cloud County Wind Farm LLC	**	**
**	**	3/19/2021	Cloud County Wind Farm LLC	**	**
**	**	4/21/2021	Cloud County Wind Farm LLC	**	**
**	**	5/24/2021	Cloud County Wind Farm LLC	**	**
**	**	6/21/2021	Cloud County Wind Farm LLC	**	**
**	**	7/49/2021	Cloud County Wind Farm LLC	**	**
**	**	8/25/2021	Cloud County Wind Farm LLC	**	**
**	**	9/27/2021	Cloud County Wind Farm LLC	**	**
**	**	10/29/2021	Cloud County Wind Farm LLC	**	**
**	**	11/22/2021	Cloud County Wind Farm LLC	**	**
**	**	12/23/2021	Cloud County Wind Farm LLC	**	**
**	**	1/21/2022	Cloud County Wind Farm LLC	**	**
**	<u>\$</u>	-	**	<u>-</u>	**

PURCHASED POWER FROM ELK RIVER WINDFARM

	<u>Payment</u>	<u>Date</u>	<u>Supplier Name</u>	<u>Meter Readings</u>	
	<u>Amount</u>				
**	**	3/1/2021	Avangrid Renewables, LLC	**	**
**	**	3/29/2021	Avangrid Renewables, LLC	**	**
**	**	4/23/2021	Avangrid Renewables, LLC	**	**
**	**	5/24/2021	Avangrid Renewables, LLC	**	**
**	**	6/21/2021	Avangrid Renewables, LLC	**	**
**	**	7/19/2021	Avangrid Renewables, LLC	**	**
**	**	8/20/2021	Avangrid Renewables, LLC	**	**
**	**	9/24/2021	Avangrid Renewables, LLC	**	**
**	**	10/25/2021	Avangrid Renewables, LLC	**	**
**	**	11/19/2021	Avangrid Renewables, LLC	**	**
**	**	12/23/2021	Avangrid Renewables, LLC	**	**
**	**	1/24/2022	Avangrid Renewables, LLC	**	**
**	<u>\$</u>	-	**	<u>-</u>	**

Total Gros:	0	0	0	0	0	0	0	0	0
Total Expei	0	0	0	0	0	0	0	0	0
Total Net F	0	0	0	0	0	0	0	0	0

** The age of the Elk River Wind Farm devalues the RECs in the market.

October	November	December	Total
2021	2021	2021	2021
25368	40178	35543	373727
19207	23890	21617	300512
			0
19207			255005
0	0		0
0	0		0
0	0	0	0
0	0	0	0
0	0	0	0
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0	23890	45507	45507

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0	0	0	0

HIGHLY CONFIDENTIAL 20 CSR 4240-2.135(4)
ATTACHMENT 3 REC REPORT

HIGHLY CONFIDENTIAL Contract pricing and amounts.
Empire District Electric Company

Kings Point 2021
PUBLIC VERSION

	January		February		March		April		May	
	2021		2021		2021		2021		2021	
Expected REC's		47733		44249		49651		52114		46701
**Actual REC's	**	**	**	**	**	**	**	**	**	**
REC's Sold	**		**		**		**		**	
MO Compliance for 2021										
Counterparty										
3 Degrees (FH2021)										
Quantity		0		0		0		0		0
Price (\$/REC)						0		0		0
Gross Revenue		0		0		0		0		0
Commission \$'s		0		0		0		0		0
Net Revenue (\$)		0		0		0		0		0
Ameren UE (FH2021)										
Quantity		0		0		0		0		0
Price (\$/REC)		0		0		0		0		0
Gross Revenue		0		0		0		0		0
Commission \$'s		0		0		0		0		0
Net Revenue (\$)		0		0		0		0		0
3Degrees #4 (BH2021)										
Quantity		0		0		0		0		0
Price (\$/REC)		0		0		0		0		0
Gross Revenue		0		0		0		0		0
Commission \$'s		0		0		0		0		0
Net Revenue (\$)		0		0		0		0		0
ACT Commodities #5 (FH2021)										
Quantity		0		0		0		0		0
Price (\$/REC)		0		0		0		0		0
Gross Revenue		0		0		0		0		0
Commission \$'s		0		0		0		0		0
Net Revenue (\$)		0		0		0		0		0
3Degrees Long Term Strip (Confirm#18)										
Quantity		0		0		0		0		0
Price (\$/REC)		0		0		0		0		0
Gross Revenue		0		0		0		0		0
Commission \$'s		0		0		0		0		0
Net Revenue (\$)		0		0		0		0		0
ACT Commodities (bH2021 Deal #12)										
Quantity		0		0		0		0		0

Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
Ameren UE (BH2021)					
Quantity	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
Cumulative Remaining RECs	0	0	0	0	0
Total Gross Revenue	0	0	0	0	0
Total Expense (Commission)	0	0	0	0	0
Total Net Revenue	0	0	0	0	0

0	0	0		0
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November
2021
49265
** **

December
2021
46908
** **

Total
2021
530806
** ** **
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62265

0		**	0	**
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63445

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HIGHLY CONFIDENTIAL 20 CSR 4240-2.135(4)
 ATTACHMENT 3 REC REPORT

HIGHLY CONFIDENTIAL Contract pricing and amounts.
 Empire District Electric Company

Meridian Way 2021
 PUBLIC VERSION

	January	February	March	April
	2021	2021	2021	2021
Expected REC's	24898	21344	22809	20226
**Actual REC's	**	**	**	**
REC's Sold	**			
To Counterparty				
Mo Compliance for 2021				
3Degrees (BH2020)				
Quantity	0	0 **	**	0
Price (\$/REC)	0	**	**	0
Gross Revenue	0	0 **	**	0
Commission \$'s	0	0 **	**	0
Net Revenue (\$)	0	0 **	**	0
3Degrees (FH2021)				
Quantity	0	0	0	0 **
Price (\$/REC)			0	0 **
Gross Revenue	0	0	0	0 **
Commission \$'s	0	0	0	0
Net Revenue (\$)	0	0	0	0 **
MJMEUC				
Quantity	0	0	0	0
Gross Revenue	0	0	0	0
Commission \$'s	0	0	0	0
Net Revenue (\$)	0	0	0	0
#3Degrees (Dec 2020, FH2021)				
Quantity	0	0 **	**	0
Price (\$/REC)	0	**	**	0
Gross Revenue	0	0 **	**	0
Commission \$'s	0	0		0
Net Revenue (\$)	0	0 **	**	0
Quantity	0	0	0	0
Price (\$/REC)	0	0	0	0
Gross Revenue	0	0	0	0
Commission \$'s	0	0	0	0
Net Revenue (\$)	0	0	0	0
Cumulative Remaining RECs	0	0	0	0

Total Gross Revenue	0	0 **	0 **	0 **
Total Expense (Commission)	0	0 **	0.00 **	0
Total Net Revenue	0	0 **	0.00 **	0 **

20% of output contracted to MJMEUC,
retired in NARR

0 **	0	0	0	0	0	0
0 **	0	0	0	0	0	0
0	0	0	0	0	0	0

December	Total
2021	2021
27262	248784
** **	0
_____	0
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	75600
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HIGHLY CONFIDENTIAL 20 CSR 4240-2.135(4)
 ATTACHMENT 3 REC REPORT

HIGHLY CONFIDENTIAL Contract pricing and amounts.
 Empire District Electric Company

Neosho Ridge 2021
 PUBLIC VERSION

	January 2021	February 2021	March 2021	April 2021	May 2021
Expected REC's	0	102105	127172	120679	111100
**Actual REC's	**	** **	**	**	**
REC's Sold	**	**	**	**	**
MO Compliance for 2021					
Counterparty					
ACT Commodities (BH2020 FH2021)					
Quantity	0	0		0	
Price (\$/REC)		0		0	
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
3Degrees (FH2021)					
Quantity	0	0			0
Price (\$/REC)	0	0			0
Gross Revenue	0	0		0	0
Commission \$'s	0	0		0	0
Net Revenue (\$)	0	0		0	0
ACT Commodities #2 (FH2021)					
Quantity	0	0	0	0	0
Price (\$/REC)	0	0		0	0
Gross Revenue	0	0		0	0
Commission \$'s	0	0		0	0
Net Revenue (\$)	0	0	0	0	0
3Degrees #4 (BH2021)					
Quantity	0	0	0	0	0
Price (\$/REC)	0		0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
ACT Commodities #4 (FH2021)					
Quantity	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
ACT Commodities #5 (FH2021)					
Quantity	0	0	0	0	0

Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
3 Degrees Long-Term Strip (Confirm #19)					
Quantity	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
ACT Commodities (BH2021 Deal #12)					
Quantity	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
ACT Commodities (BH2021 Deal #14)					
Quantity	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0
Gross Revenue	0	0	0	0	0
Commission \$'s	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0
Cumulative Remaining RECs	0	0	0	0	0
Total Gross Revenue	0	0	0	0	0
Total Expense (Commission)	0	0	0	0	0
Total Net Revenue	0	0	0	0	0

June

July

August

September

October

2021

2021

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2021

96942

84074

78283

88786

113138

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November	December	Total	##
2021	2021	2021	
113675	114461	1150416	
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HIGHLY CONFIDENTIAL 20 CSR 4240-2.135(4)
ATTACHMENT 3 REC REPORT

HIGHLY CONFIDENTIAL Contract pricing and amounts.

Empire District Electric Company

North Fork Ridge 2021

PUBLIC VERSION

	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021
Expected REC's	0	40196	46759	49366	44180	39371	32657
Actual REC's	**	**	****	****	****	****	**
REC's Sold **							
MO Compliance for 2021							
Counterparty							
ACT Commodities (BH2020 FH2021)							
Quantity	0	0		0		0	**
Price (\$/REC)		0		0		0	**
Gross Revenue	0	0	0	0	0	0	**
Commission \$'s	0	0	0	0	0	0	**
Net Revenue (\$)	0	0	0	0	0	0	**
3Degrees (FH2021)							
Quantity	0	0				0	**
Price (\$/REC)	0	0				0	**
Gross Revenue	0	0		0	0	0	**
Commission \$'s	0	0		0	0	0	
Net Revenue (\$)	0	0		0	0	0	**
Ameren UE (FH2021)							
Quantity	0	0	0	0	0	0	0
Price (\$/REC)	0	0		0	0	0	0
Gross Revenue	0	0		0	0	0	0
Commission \$'s	0	0		0	0	0	0
Net Revenue (\$)	0	0	0	0	0	0	0
3Degrees #4 (BH 2021)							
Quantity	0	0	0	0	0	0	0
Price (\$/REC)	0		0	0	0	0	0
Gross Revenue	0	0	0	0	0	0	0
Commission \$'s	0	0	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0	0	0
ACT Commodities #5 (FH2021)							
Quantity	0	0	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0	0	0
Gross Revenue	0	0	0	0	0	0	0
Commission \$'s	0	0	0	0	0	0	0
Net Revenue (\$)	0	0	0	0	0	0	0
3Degrees Long Term Strip (Confirm#18)							
Quantity	0	0	0	0	0	0	0

Price (\$/REC)	0	0	0	0	0	0	0
Gross Revenue	0	0	0	0	0	0	0
Commission \$'s	0	0	0	0	0	0	0
Net Revenue	0	0	0	0	0	0	0
Watershed Climates							
Quantity	0	0	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0	0	0
Gross Revenue	0	0	0	0	0	0	0
Commission \$'s	0	0	0	0	0	0	0
Net Revenue	0	0	0	0	0	0	0
ACT Commodities (BH2021 Deal #12)							
Quantity	0	0	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0	0	0
Gross Revenue	0	0	0	0	0	0	0
Commission \$'s	0	0	0	0	0	0	0
Net Revenue	0	0	0	0	0	0	0
Ameren UE (BH2021)							
Quantity	0	0	0	0	0	0	0
Price (\$/REC)	0	0	0	0	0	0	0
Gross Revenue	0	0	0	0	0	0	0
Commission \$'s	0	0	0	0	0	0	0
Net Revenue	0	0	0	0	0	0	0
Cumulative Remaining							
	0	0	0	0	0	0	0
Total Gross Revenue							
	0	0	0	0	0	0 **	0
Total Expense (Comm							
	0	0	0	0	0	0 **	0
Total Net Revenue							
	0	0	0	0	0	0 **	0

August
2021
34226
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September
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36947
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October
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45251
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November
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48389
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December
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44323
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	August 2021 34226	September 2021 36947	October 2021 45251	November 2021 48389	December 2021 44323
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ATTACHMENT 4 RECS RETIRED FOR COMPLIANCE

Sub-Accou	NAR ID	Asset	Fuel/Proje	Certificate	Certificate	Quantity	Mo Equiv	total	Complianc
	270 AGG2380	EDE Solar / Solar		20-Dec	NAR-AGG-3	1075	1343.75		2021
	270 AGG2372	EDE Solar / Solar		20-Dec	NAR-AGG-3	1244	1555		2021
	270 AGG2375	EDE Solar / Solar		20-Dec	NAR-AGG-3	1241	1551.25		2021
	270 AGG2376	EDE Solar / Solar		20-Dec	NAR-AGG-3	1133	1416.25		2021
	270 AGG2377	EDE Solar / Solar		20-Dec	NAR-AGG-3	1250	1562.5		2021
	270 AGG2378	EDE Solar / Solar		20-Dec	NAR-AGG-3	1221	1526.25		2021
	270 AGG2379	EDE Solar / Solar		20-Dec	NAR-AGG-3	1000	1250		2021
	270 AGG2381	EDE Solar / Solar		20-Dec	NAR-AGG-3	971	1213.75		2021
	270 AGG2475	EDE Solar / Solar		20-Dec	NAR-AGG-3	986	1232.5		2021
	270 AGG2476	EDE Solar / Solar		20-Dec	NAR-AGG-3	1003	1253.75		2021
	270 AGG2516	EDE Solar / Solar		20-Dec	NAR-AGG-3	1210	1512.5		2021
	270 AGG2517	EDE Solar / Solar		20-Dec	NAR-AGG-3	1179	1473.75		2021
	270 AGG2560	EDE SOLAR Solar		20-Dec	NAR-AGG-3	1128	1410		2021
	270 AGG2561	EDE Solar / Solar		20-Dec	NAR-AGG-3	905	1131.25		2021
	270 AGG2648	EDE Solar / Solar		20-Dec	NAR-AGG-3	1130	1412.5		2021
	270 AGG2649	EDE Solar / Solar		20-Dec	NAR-AGG-3	1273	1591.25		2021
	270 AGG2650	EDE Solar / Solar		20-Dec	NAR-AGG-3	1156	1445		2021
	270 AGG2848	EDE Solar / Solar		20-Dec	NAR-AGG-3	1336	1670		2021
	270 AGG2847	EDE Solar / Solar		20-Dec	NAR-AGG-3	1317	1646.25		2021
	270 AGG2849	EDE Solar / Solar		20-Dec	NAR-AGG-3	1471	1838.75		2021
	270 AGG2850	EDE Solar / Solar		20-Dec	NAR-AGG-3	520	650		2021
	270 AGG2851	EDE Solar / Solar		20-Dec	NAR-AGG-3	844	1055		2021
	270 AGG3552	EDE SOLAR Solar		20-Dec	NAR-AGG-3	846	1057.5		2021
	270 AGG2321	EDE Solar / Solar		20-Dec	NAR-AGG-3	1339	1673.75		2021
	270 AGG2322	EDE Solar / Solar		20-Dec	NAR-AGG-3	1176	1470		2021
	270 AGG2323	EDE Solar / Solar		20-Dec	NAR-AGG-3	1138	1422.5		2021
	270 AGG3260	EDESOLAR Solar		20-Dec	NAR-AGG-3	1077	1346.25		2021
	270 AGG3261	EDESOLAR Solar		20-Dec	NAR-AGG-3	1088	1360		2021
	270 AGG3262	EDESOLAR Solar		20-Dec	NAR-AGG-3	1034	1292.5		2021
	270 AGG3263	EDESOLAR Solar		20-Dec	NAR-AGG-3	1099	1373.75		2021
	270 AGG3264	EDESOLAR Solar		20-Dec	NAR-AGG-3	727	908.75		2021
	270 AGG3265	EDESOLAR Solar		20-Dec	NAR-AGG-3	1012	1265		2021
	270 AGG3266	EDESOLAR Solar		20-Dec	NAR-AGG-3	604	755		2021
	270 AGG3267	EDESOLAR Solar		20-Dec	NAR-AGG-3	1243	1553.75		2021
	270 AGG3268	EDESOLAR Solar		20-Dec	NAR-AGG-3	1148	1435		2021
	270 AGG3269	EDESOLAR Solar		20-Dec	NAR-AGG-3	1156	1445		2021
	270 AGG3553	EDESOLAR Solar		20-Dec	NAR-AGG-3	691	863.75		2021
	270 AGG3554	EDESOLAR Solar		20-Dec	NAR-AGG-3	461	576.25		2021
	270 AGG3555	EDESOLAR Solar		20-Dec	NAR-AGG-3	204	255	40636	2021
	270 GEN97	Elk River W Wind		21-Apr	NAR-REC-9	35179			2021
	270 GEN97	Elk River W Wind		20-Nov	NAR-REC-9	33990			2021
	270 GEN97	Elk River W Wind		21-Jul	NAR-REC-9	16342			2021
	270 GEN97	Elk River W Wind		21-Jan	NAR-REC-9	29048			2021
	270 GEN97	Elk River W Wind		21-Mar	NAR-REC-9	27340			2021

270 GEN97	Elk River V Wind	21-Aug NAR-REC-9	30893			2021
270 GEN97	Elk River V Wind	21-Feb NAR-REC-9	17165			2021
270 GEN97	Elk River V Wind	21-May NAR-REC-9	29396			2021
270 GEN97	Elk River V Wind	20-Dec NAR-REC-9	35283			2021
270 GEN97	Elk River V Wind	20-Oct NAR-REC-9	3908			2021
270 GEN97	Elk River V Wind	21-Sep NAR-REC-9	28497			2021
270 GEN97	Elk River V Wind	21-Jun NAR-REC-9	21938			2021
270 GEN97	Elk River V Wind	21-Oct NAR-REC-9	19207			2021
					328186	
270 GEN3535	KINGS POII Wind	21-Sep NAR-REC-3	49469	61836.25		2021
270 GEN3535	KINGS POII Wind	21-Aug NAR-REC-3	12796	15995		2021
					62265	
270 GEN98	Meridian V Wind	21-Aug NAR-REC-9	16963			2021
270 GEN98	Meridian V Wind	21-Jun NAR-REC-9	9968			2021
270 GEN98	Meridian V Wind	21-Sep NAR-REC-9	9534			2021
270 GEN98	Meridian V Wind	21-May NAR-REC-9	12302			2021
270 GEN98	Meridian V Wind	21-Jul NAR-REC-9	11397			2021
270 GEN98	Meridian V Wind	21-Nov NAR-REC-9	5800			2021
270 GEN98	Meridian V Wind	21-Oct NAR-REC-9	9636			2021
					75600	
270 GEN3522	NORTH FO Wind	21-Sep NAR-REC-3	7335	9168.75		2021
					7335	
270 GEN99	Ozark Beac Hydroelect	21-Sep NAR-REC-9	1853	2316.25		2021
270 GEN99	Ozark Beac Hydroelect	21-Apr NAR-REC-9	6100	7625		2021
270 GEN99	Ozark Beac Hydroelect	21-Feb NAR-REC-9	8165	10206.25		2021
270 GEN99	Ozark Beac Hydroelect	20-Nov NAR-REC-9	7436	9295		2021
270 GEN99	Ozark Beac Hydroelect	21-Aug NAR-REC-9	1066	1332.5		2021
270 GEN99	Ozark Beac Hydroelect	21-Jan NAR-REC-9	10682	13352.5		2021
270 GEN99	Ozark Beac Hydroelect	21-Mar NAR-REC-9	6950	8687.5		2021
270 GEN99	Ozark Beac Hydroelect	20-Oct NAR-REC-9	3509	4386.25		2021
270 GEN99	Ozark Beac Hydroelect	21-May NAR-REC-9	1515	1893.75		2021
270 GEN99	Ozark Beac Hydroelect	20-Dec NAR-REC-9	7581	9476.25		2021
270 GEN99	Ozark Beac Hydroelect	21-Oct NAR-REC-9	2886	3607.5		2021
270 GEN99	Ozark Beac Hydroelect	21-Dec NAR-REC-9	7783	9728.75		2021
270 GEN99	Ozark Beac Hydroelect	21-Nov NAR-REC-9	3542	4427.5		2021
					69068	
270 GEN3494	PROSPERIT Solar	21-Aug NAR-REC-3	139			2021
270 GEN3494	PROSPERIT Solar	21-Sep NAR-REC-3	400			2021
270 GEN3494	PROSPERIT Solar	21-Aug NAR-REC-3	59			2021
270 GEN3494	PROSPERIT Solar	21-Nov NAR-REC-3	225			2021
270 GEN3494	PROSPERIT Solar	21-Oct NAR-REC-3	224			2021
270 GEN3494	PROSPERIT Solar	21-Dec NAR-REC-3	206			2021

Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	3/2/2022	Yes	

328186

Renewable MO	#####	Yes	
Renewable MO	#####	Yes	

77831.25

Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	3/2/2022	Yes	
Renewable MO	3/2/2022	Yes	

75600

Renewable MO	#####	Yes	
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9168.75

Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	#####	Yes	
Renewable MO	3/2/2022	Yes	
Renewable MO	3/2/2022	Yes	
Renewable MO	3/2/2022	Yes	

86335

Retired on behalf of B	3/4/2022	No	
Retired on behalf of B	3/4/2022	No	
Retired on behalf of B	3/4/2022	No	
Retired on behalf of B	3/4/2022	No	
Retired on behalf of B	3/4/2022	No	
Retired on behalf of B	3/4/2022	No	

TOTAL
COMPLIAN 627916
RETIREMENT

ATTACHMENT 5 RECS CARRIED FORWARD

Sub-Account ID	NAR ID	Asset	Fuel/Project	Certificate	Certificate	Quantity
	269 AGG2380	EDE Solar / Solar		21-Dec	NAR-AGG-	1075
	269 AGG2372	EDE Solar / Solar		21-Dec	NAR-AGG-	1244
	269 AGG2375	EDE Solar / Solar		21-Dec	NAR-AGG-	1214
	269 AGG2376	EDE Solar / Solar		21-Dec	NAR-AGG-	1126
	269 AGG2377	EDE Solar / Solar		21-Dec	NAR-AGG-	1211
	269 AGG2378	EDE Solar / Solar		21-Dec	NAR-AGG-	1200
	269 AGG2379	EDE Solar / Solar		21-Dec	NAR-AGG-	991
	269 AGG2381	EDE Solar / Solar		21-Dec	NAR-AGG-	961
	269 AGG2475	EDE Solar / Solar		21-Dec	NAR-AGG-	948
	269 AGG2476	EDE Solar / Solar		21-Dec	NAR-AGG-	1002
	269 AGG2516	EDE Solar / Solar		21-Dec	NAR-AGG-	1210
	269 AGG2517	EDE Solar / Solar		21-Dec	NAR-AGG-	1141
	269 AGG2560	EDE SOLAR Solar		21-Dec	NAR-AGG-	1107
	269 AGG2561	EDE Solar / Solar		21-Dec	NAR-AGG-	905
	269 AGG2648	EDE Solar / Solar		21-Dec	NAR-AGG-	1129
	269 AGG2649	EDE Solar / Solar		21-Dec	NAR-AGG-	1262
	269 AGG2650	EDE Solar / Solar		21-Dec	NAR-AGG-	1144
	269 AGG2848	EDE Solar / Solar		21-Dec	NAR-AGG-	1303
	269 AGG4215	EDE Solar / Solar		21-Dec	NAR-AGG-	742
	269 AGG4205	EDE Solar / Solar		21-Dec	NAR-AGG-	651
	269 AGG4216	EDE Solar / Solar		21-Dec	NAR-AGG-	197
	269 AGG4217	EDE Solar / Solar		21-Dec	NAR-AGG-	311
	269 AGG4218	EDE Solar / Solar		21-Dec	NAR-AGG-	166
	269 AGG2847	EDE Solar / Solar		21-Dec	NAR-AGG-	1281
	269 AGG2849	EDE Solar / Solar		21-Dec	NAR-AGG-	1470
	269 AGG2850	EDE Solar / Solar		21-Dec	NAR-AGG-	520
	269 AGG2851	EDE Solar / Solar		21-Dec	NAR-AGG-	844
	269 AGG3552	EDE SOLAR Solar		21-Dec	NAR-AGG-	1009
	269 AGG2321	EDE Solar / Solar		21-Dec	NAR-AGG-	1318
	269 AGG2322	EDE Solar / Solar		21-Dec	NAR-AGG-	1169
	269 AGG2323	EDE Solar / Solar		21-Dec	NAR-AGG-	1093
	269 AGG3260	EDESOLAR Solar		21-Dec	NAR-AGG-	1032
	269 AGG3261	EDESOLAR Solar		21-Dec	NAR-AGG-	1078
	269 AGG3262	EDESOLAR Solar		21-Dec	NAR-AGG-	1027
	269 AGG3263	EDESOLAR Solar		21-Dec	NAR-AGG-	1099
	269 AGG3264	EDESOLAR Solar		21-Dec	NAR-AGG-	727
	269 AGG3265	EDESOLAR Solar		21-Dec	NAR-AGG-	1012
	269 AGG3266	EDESOLAR Solar		21-Dec	NAR-AGG-	591
	269 AGG3267	EDESOLAR Solar		21-Dec	NAR-AGG-	1235
	269 AGG3268	EDESOLAR Solar		21-Dec	NAR-AGG-	1148
	269 AGG3269	EDESOLAR Solar		21-Dec	NAR-AGG-	1172
	269 AGG3553	EDESOLAR Solar		21-Dec	NAR-AGG-	1032
	269 AGG3554	EDESOLAR Solar		21-Dec	NAR-AGG-	1044
	269 AGG3555	EDESOLAR Solar		21-Dec	NAR-AGG-	1057

269	GEN97	Elk River V Wind	21-Nov	NAR-REC-9	23890
269	GEN97	Elk River V Wind	21-Dec	NAR-REC-9	21617
269	GEN3535	KINGS POII Wind	21-Nov	NAR-REC-3	50304
269	GEN3535	KINGS POII Wind	21-Dec	NAR-REC-3	13141
269	GEN98	Meridian V Wind	21-Dec	NAR-REC-9	10810
269	GEN98	Meridian V Wind	21-Nov	NAR-REC-9	3907
269	GEN3493	NEOSHO R Wind	21-Nov	NAR-REC-3	4700
269	GEN3522	NORTH FO Wind	21-Dec	NAR-REC-3	60840
269	GEN3522	NORTH FO Wind	21-Nov	NAR-REC-3	47891

Transferor MO Compl MO

1343.75 Yes
1555 Yes
1517.5 Yes
1407.5 Yes
1513.75 Yes
1500 Yes
1238.75 Yes
1201.25 Yes
1185 Yes
1252.5 Yes
1512.5 Yes
1426.25 Yes
1383.75 Yes
1131.25 Yes
1411.25 Yes
1577.5 Yes
1430 Yes
1628.75 Yes
927.5 Yes
813.75 Yes
246.25 Yes
388.75 Yes
207.5 Yes
1601.25 Yes
1837.5 Yes
650 Yes
1055 Yes
1261.25 Yes
1647.5 Yes
1461.25 Yes
1366.25 Yes
1290 Yes
1347.5 Yes
1283.75 Yes
1373.75 Yes
908.75 Yes
1265 Yes
738.75 Yes
1543.75 Yes
1435 Yes
1465 Yes
1290 Yes
1305 Yes
1321.25 Yes

23890 Yes
21617 Yes
45507
62880 Yes
16426.25 Yes
63445
10810 Yes
3907 Yes
14717
4700 Yes
4700
76050 Yes
59863.75 Yes
108731
281298



PUBLIC VERSION

GREEN-E ENERGY RENEWABLE GENERATOR REGISTRATION FORM AND ATTESTATION

I. Facility information

Name of Generation Facility ("Facility"): **Elk River**

Company or Person that Owns Facility ("Seller"): **Elk River Windfarm, LLC**

Address of Facility: **15936 SE 190th, Latham, KS 67072**

North American Electricity Reliability Corporation (NERC) region in which Facility is located:¹ **SPP**

Facility ID Number:² **56303** EIA or QF? (check one) Nameplate Capacity (MW): **150**

Date Facility was First Operational: **12/15/2005** Date of Capacity Upgrade or Repowering:³ / /

Contact Person: **Zina Parks**

Title: **Analyst**

Telephone: **503-796-7158**

Email Address: **zina.parks@avangrid.com**

II. Renewable electricity or RECs⁴ supplied to Purchaser indicated below, by fuel type

On the table below, list the renewable megawatt-hours (MWh) sold or transferred to Purchaser, broken down by quarter of generation in separate rows:

Fuel Type ⁵	# MWh RECs / Renewable Elec. Sold	Period of Generation (quarter/yy or mm/yy)
Wind **	**	Q1/2021
Wind **	**	Q2/2021
Wind **	**	Q3/2021
Wind **	**	Q4/2021

¹ If you are unsure of which region Facility is in, see <http://www.nerc.com/regional/>
² Enter Energy Information Administration (EIA) identification number for the generating facility; if no EIA number, enter the utility-assigned Qualifying Facility (QF) identification number.
³ If applicable. Repowered facilities must meet Green-e Energy's criteria for repowering, available at [http://www.Green-e Energy.org/docs/Repowering Defin and Instructions.doc](http://www.Green-e Energy.org/docs/Repowering_Defin_and_Instructions.doc)
⁴ Renewable Energy Certificates, which represent the renewable attributes of 1 MWh of renewable electricity generation.
⁵ If using biomass fuels, list out the specific type (i.e. landfill gas, wood waste, etc.) and fill in section IV below.

III. Declaration

I, (print name and title) Ryan Ohira, Risk Control, declare that the renewable electricity (electricity bundled with renewable attributes) / renewable attributes only⁶ (check one) generated by Facility during the Period of Generation were sold exclusively from Seller to **Empire District Electric Company** ("Purchaser").

I further declare that:

- 1) all the renewable attributes (including CO₂ benefits), including any emissions offsets, reductions or claims, represented by the renewable electricity generation listed above were transferred to Purchaser⁷;
- 2) to the best of my knowledge, the renewable attributes were not sold, marketed or otherwise claimed by a third party other than Purchaser;
- 3) Seller sold the renewable attributes only once;
- 4) the renewable attributes or the electricity that was generated with the attributes was not used to meet any federal, state or local renewable energy requirement, renewable energy procurement, renewable portfolio standard, or other renewable energy mandate by Seller, nor to the best of my knowledge, by any other entity other than Purchaser;⁸
- 5) the renewable electricity sold or electricity associated with the attributes sold was not used on-site for powering electric generation equipment (parasitic load);
- 6) if Purchaser is receiving electricity bundled with renewable attributes from Seller, the renewable electricity was delivered into the NERC region in which Facility is located;
- 7) the electricity that was generated with the attributes was not separately sold, separately marketed or otherwise separately represented as renewable energy by Seller, or, to the best of my knowledge, any other entity other than Purchaser.

Please indicate the following:

Is Facility owner reporting its direct greenhouse gas emissions in a legally binding cap and trade program for the time period of generation listed on this form?

- Yes,⁹ list the cap and trade program: _____
- No

If Seller is providing only RECs to Purchaser and selling the associated electricity to a utility or load-serving entity, please write the name of the utility or load-serving entity here: _____

⁶ If selling renewable attributes to Purchaser without electricity, please fill in the name of the load serving entity buying the undifferentiated electricity, if applicable, at the bottom of this Declaration section.

⁷ The carbon attribute associated with capture and destruction of biogenic methane is not required to be included with renewable electricity generation and may be sold separately in the form of an offset if an appropriate offset calculation methodology is used; see Section II.A.5 of the Green-e Energy National Standard.

⁸ Renewable attributes used by Purchaser for any of the purposes listed in 4) are ineligible for Green-e Energy certification.

⁹ In this case the renewable energy or RECs reported on this form may be ineligible for Green-e Energy certification. For more information, contact Green-e Energy Staff at 415-561-2100.

Check box if sale is part of a Qualifying Facility (QF) contract

IV. Additional statement required for and applicable to biomass facilities only

- 1) I attest that no more than five percent (5%) fossil fuels and other fuels that are not Green-e Energy eligible, measured on a BTU basis, were used, including as a start-up, pilot or supplemental fuel, to produce the electricity and/or RECs in the above Green-e Energy eligible biomass generation plant or biomass boiler;
- 2) I attest that this facility was in substantial compliance with its operating permit regarding emissions during the Period of Generation reported above;
- 3) I attest that if this facility is subject to New Source Review (NSR), it was compliant with all standards pertaining to NSR during the period of generation reported above; and
- 4) I attest that Seller owned the renewable and environmental attributes of the biomass fuels I have listed in the table below at the time of the fuel's use for electricity generation.

Biomass Fuel Type	Facility that Produced Fuel or Origin/Source of Fuel

V. Signature

As an authorized agent of Seller, I attest that the above statements are true and correct.

DS
JD

DocuSigned by:

Ryan Oliva

1/31/2022

Signature

Date

Portland, Oregon
Place of Execution

This Attestation form is used by the Center for Resource Solutions to verify the accuracy of claims made by Participant renewable energy providers. The information on this form is held strictly confidential and will not be shared with any other party except in aggregate form.



Energy

GREEN-E ENERGY RENEWABLE GENERATOR REGISTRATION FORM AND ATTESTATION

I. Facility information

Name of Generation Facility ("Facility"): Meridian Way Wind Farm

Company or Person that Owns Facility ("Seller"): Cloud County Wind Farm, LLC

Address of Facility: 1409 Iron Road, Suite A Concordia, KS 66901

North American Electricity Reliability Corporation (NERC) region in which Facility is located:¹ SPP

Facility ID Number:² 56784 EIA or QF? (check one) Nameplate Capacity (MW): 105

Date Facility was First Operational: 12/05/2008 Date of Capacity Upgrade or Repowering:³ / /

Contact Person: Ray Eureste Title: Settlements Analyst

Telephone: (713) 265-0350 Email Address: ray.eureste@edpr.com

II. Renewable electricity or RECs⁴ supplied to Purchaser indicated below, by fuel type

On the table below, list the renewable megawatt-hours (MWh) sold or transferred to Purchaser, broken down by quarter of generation in separate rows:

¹ If you are unsure of which region Facility is in, see <http://www.nerc.com/regional/>

² Enter Energy Information Administration (EIA) identification number for the generating facility; if no EIA number, enter the utility-assigned Qualifying Facility (QF) identification number.

³ If applicable. Repowered facilities must meet Green-e Energy's criteria for repowering, available at http://www.Green-e Energy.org/docs/Repowering_Defin_and_Instructions.doc

⁴ Renewable Energy Certificates, which represent the renewable attributes of 1 MWh of renewable electricity generation.

Fuel Type ⁵	# MWh RECs / Renewable Elec. Sold		Period of Generation (quarter/yy or mm/yy)
Wind	**	**	1/2021
Wind	**	**	2/2021
Wind	**	**	3/2021

III. Declaration

I, Brian Hayes, Executive Vice President, Asset Operations, declare that the renewable electricity (electricity bundled with renewable attributes) / renewable attributes only⁶ (check one) generated by Facility during the Period of Generation were sold exclusively from Seller to The Empire District Electric Company ("Purchaser").

I further declare that:

- 1) all the renewable attributes (including CO₂ benefits), including any emissions offsets, reductions or claims, represented by the renewable electricity generation listed above were transferred to Purchaser;
- 2) to the best of my knowledge, the renewable attributes were not sold, marketed or otherwise claimed by a third party other than Purchaser;
- 3) Seller sold the renewable attributes only once;
- 4) the renewable attributes or the electricity that was generated with the attributes was not used to meet any federal, state or local renewable energy requirement, renewable energy procurement, renewable portfolio standard, or other renewable energy mandate by Seller, nor to the best of my knowledge, by any other entity other than Purchaser;⁷
- 5) the renewable electricity sold or electricity associated with the attributes sold was not used on-site for powering electric generation equipment (parasitic load);
- 6) if Purchaser is receiving electricity bundled with renewable attributes from Seller, the renewable electricity was delivered into the NERC region in which Facility is located;
- 7) if Facility is located in Canada, it is EcoLogo certified and was throughout the Period of Generation; and
- 8) the electricity that was generated with the attributes was not separately sold, separately marketed or otherwise separately represented as renewable energy by Seller, or, to the best of my knowledge, any other entity other than Purchaser.

⁵ If using biomass fuels, list out the specific type (i.e. landfill gas, wood waste, etc.) and fill in section IV below.

⁶ If selling renewable attributes to Purchaser without electricity, please fill in the name of the load serving entity buying the undifferentiated electricity, if applicable, at the bottom of this Declaration section.

⁷ Renewable attributes used by Purchaser for any of the purposes listed in 4) are ineligible for Green-e Energy certification.

Please indicate the following:

Is Facility owner reporting its direct greenhouse gas emissions in a legally binding cap and trade program for the time period of generation listed on this form?

- Yes;⁸ list the cap and trade program: _____
- No

If Seller is providing only RECs to Purchaser and selling the associated electricity to a utility or load-serving entity, please write the name of the utility or load-serving entity here: _____

Check box if sale is part of a Qualifying Facility (QF) contract

IV. Additional statement required for and applicable to biomass facilities only

- 1) I attest that no more than five percent (5%) fossil fuels and other fuels that are not Green-e Energy eligible, measured on a BTU basis, were used, including as a start-up, pilot or supplemental fuel, to produce the electricity and/or RECs in the above Green-e Energy eligible biomass generation plant or biomass boiler;
- 2) I attest that this facility was in substantial compliance with its operating permit regarding emissions during the Period of Generation reported above;
- 3) I attest that if this facility is subject to New Source Review (NSR), it was compliant with all standards pertaining to NSR during the period of generation reported above; and
- 4) I attest that Seller owned the renewable and environmental attributes of the biomass fuels I have listed in the table below at the time of the fuel's use for electricity generation.

Biomass Fuel Type	Facility that Produced Fuel or Origin/Source of Fuel

V. Signature

As an authorized agent of Seller, I attest that the above statements are true and correct.

DocuSigned by:
B. M. H.
February 17, 2022

 Signature Date

Houston, TX
Place of Execution

This Attestation form is used by the Center for Resource Solutions to verify the accuracy of claims made by Participant renewable energy providers. The information on this form is held strictly confidential and will not be shared with any other party except in aggregate form.

⁸ In this case the renewable energy or RECs reported on this form may be ineligible for Green-e Energy certification. For more information, contact Green-e Energy Staff at 415-561-2100.



GREEN-E ENERGY RENEWABLE GENERATOR REGISTRATION FORM AND ATTESTATION

I. Facility information

Name of Generation Facility ("Facility"): Meridian Way Wind Farm

Company or Person that Owns Facility ("Seller"): Cloud County Wind Farm, LLC

Address of Facility: 1409 Iron Road, Suite A Concordia, KS 66901

North American Electricity Reliability Corporation (NERC) region in which Facility is located:¹ SPP

Facility ID Number:² 56784 EIA or QF? (check one) Nameplate Capacity (MW): 105

Date Facility was First Operational: 12/05/2008 Date of Capacity Upgrade or Repowering:³ / /

Contact Person: Ray Eureste Title: Settlements Analyst

Telephone: (713) 265-0350 Email Address: ray.eureste@edpr.com

II. Renewable electricity or RECs⁴ supplied to Purchaser indicated below, by fuel type

On the table below, list the renewable megawatt-hours (MWh) sold or transferred to Purchaser, broken down by quarter of generation in separate rows:

¹ If you are unsure of which region Facility is in, see <http://www.nerc.com/regional/>

² Enter Energy Information Administration (EIA) identification number for the generating facility; if no EIA number, enter the utility-assigned Qualifying Facility (QF) identification number.

³ If applicable. Repowered facilities must meet Green-e Energy's criteria for repowering, available at http://www.Green-e Energy.org/docs/Repowering_Defin_and_Instructions.doc

⁴ Renewable Energy Certificates, which represent the renewable attributes of 1 MWh of renewable electricity generation.

Fuel Type ⁵	# MWh RECs / Renewable Elec. Sold		Period of Generation (quarter/yy or mm/yy)
Wind	**	**	4/2021
Wind	**	**	5/2021
Wind	**	**	6/2021

III. Declaration

I, Brian Hayes, Executive Vice President, Asset Operations, declare that the renewable electricity (electricity bundled with renewable attributes) / renewable attributes only⁶ (check one) generated by Facility during the Period of Generation were sold exclusively from Seller to The Empire District Electric Company ("Purchaser").

I further declare that:

- 1) all the renewable attributes (including CO₂ benefits), including any emissions offsets, reductions or claims, represented by the renewable electricity generation listed above were transferred to Purchaser;
- 2) to the best of my knowledge, the renewable attributes were not sold, marketed or otherwise claimed by a third party other than Purchaser;
- 3) Seller sold the renewable attributes only once;
- 4) the renewable attributes or the electricity that was generated with the attributes was not used to meet any federal, state or local renewable energy requirement, renewable energy procurement, renewable portfolio standard, or other renewable energy mandate by Seller, nor to the best of my knowledge, by any other entity other than Purchaser;⁷
- 5) the renewable electricity sold or electricity associated with the attributes sold was not used on-site for powering electric generation equipment (parasitic load);
- 6) if Purchaser is receiving electricity bundled with renewable attributes from Seller, the renewable electricity was delivered into the NERC region in which Facility is located;
- 7) if Facility is located in Canada, it is EcoLogo certified and was throughout the Period of Generation; and
- 8) the electricity that was generated with the attributes was not separately sold, separately marketed or otherwise separately represented as renewable energy by Seller, or, to the best of my knowledge, any other entity other than Purchaser.

⁵ If using biomass fuels, list out the specific type (i.e. landfill gas, wood waste, etc.) and fill in section IV below.

⁶ If selling renewable attributes to Purchaser without electricity, please fill in the name of the load serving entity buying the undifferentiated electricity, if applicable, at the bottom of this Declaration section.

⁷ Renewable attributes used by Purchaser for any of the purposes listed in 4) are ineligible for Green-e Energy certification.

Please indicate the following:

Is Facility owner reporting its direct greenhouse gas emissions in a legally binding cap and trade program for the time period of generation listed on this form?

- Yes;⁸ list the cap and trade program: _____
- No

If Seller is providing only RECs to Purchaser and selling the associated electricity to a utility or load-serving entity, please write the name of the utility or load-serving entity here: _____

Check box if sale is part of a Qualifying Facility (QF) contract

IV. Additional statement required for and applicable to biomass facilities only

- 1) I attest that no more than five percent (5%) fossil fuels and other fuels that are not Green-e Energy eligible, measured on a BTU basis, were used, including as a start-up, pilot or supplemental fuel, to produce the electricity and/or RECs in the above Green-e Energy eligible biomass generation plant or biomass boiler;
- 2) I attest that this facility was in substantial compliance with its operating permit regarding emissions during the Period of Generation reported above;
- 3) I attest that if this facility is subject to New Source Review (NSR), it was compliant with all standards pertaining to NSR during the period of generation reported above; and
- 4) I attest that Seller owned the renewable and environmental attributes of the biomass fuels I have listed in the table below at the time of the fuel's use for electricity generation.

Biomass Fuel Type	Facility that Produced Fuel or Origin/Source of Fuel

V. Signature

As an authorized agent of Seller, I attest that the above statements are true and correct.

DocuSigned by:
B. N. H.
February 17, 2022

1AA6B44331BC410...
Date

Houston, TX
Place of Execution

This Attestation form is used by the Center for Resource Solutions to verify the accuracy of claims made by Participant renewable energy providers. The information on this form is held strictly confidential and will not be shared with any other party except in aggregate form.

⁸ In this case the renewable energy or RECs reported on this form may be ineligible for Green-e Energy certification. For more information, contact Green-e Energy Staff at 415-561-2100.



Energy

GREEN-E ENERGY RENEWABLE GENERATOR REGISTRATION FORM AND ATTESTATION

I. Facility information

Name of Generation Facility ("Facility"): Meridian Way Wind Farm

Company or Person that Owns Facility ("Seller"): Cloud County Wind Farm, LLC

Address of Facility: 1409 Iron Road, Suite A Concordia, KS 66901

North American Electricity Reliability Corporation (NERC) region in which Facility is located:¹ SPP

Facility ID Number:² 56784 EIA or QF? (check one) Nameplate Capacity (MW): 105

Date Facility was First Operational: 12/05/2008 Date of Capacity Upgrade or Repowering:³ / /

Contact Person: Ray Eureste Title: Settlements Analyst

Telephone: (713) 265-0350 Email Address: ray.eureste@edpr.com

II. Renewable electricity or RECs⁴ supplied to Purchaser indicated below, by fuel type

On the table below, list the renewable megawatt-hours (MWh) sold or transferred to Purchaser, broken down by quarter of generation in separate rows:

¹ If you are unsure of which region Facility is in, see <http://www.nerc.com/regional/>

² Enter Energy Information Administration (EIA) identification number for the generating facility; if no EIA number, enter the utility-assigned Qualifying Facility (QF) identification number.

³ If applicable. Repowered facilities must meet Green-e Energy's criteria for repowering, available at http://www.Green-e Energy.org/docs/Repowering_Defin_and_Instructions.doc

⁴ Renewable Energy Certificates, which represent the renewable attributes of 1 MWh of renewable electricity generation.

Fuel Type ⁵	# MWh RECs / Renewable Elec. Sold		Period of Generation (quarter/yy or mm/yy)
Wind	**	**	7/2021
Wind	**	**	8/2021
Wind	**	**	9/2021

III. Declaration

I, Brian Hayes, Executive Vice President, Asset Operations, declare that the renewable electricity (electricity bundled with renewable attributes) / renewable attributes only⁶ (check one) generated by Facility during the Period of Generation were sold exclusively from Seller to The Empire District Electric Company (“Purchaser”).

I further declare that:

- 1) all the renewable attributes (including CO₂ benefits), including any emissions offsets, reductions or claims, represented by the renewable electricity generation listed above were transferred to Purchaser;
- 2) to the best of my knowledge, the renewable attributes were not sold, marketed or otherwise claimed by a third party other than Purchaser;
- 3) Seller sold the renewable attributes only once;
- 4) the renewable attributes or the electricity that was generated with the attributes was not used to meet any federal, state or local renewable energy requirement, renewable energy procurement, renewable portfolio standard, or other renewable energy mandate by Seller, nor to the best of my knowledge, by any other entity other than Purchaser;⁷
- 5) the renewable electricity sold or electricity associated with the attributes sold was not used on-site for powering electric generation equipment (parasitic load);
- 6) if Purchaser is receiving electricity bundled with renewable attributes from Seller, the renewable electricity was delivered into the NERC region in which Facility is located;
- 7) if Facility is located in Canada, it is EcoLogo certified and was throughout the Period of Generation; and
- 8) the electricity that was generated with the attributes was not separately sold, separately marketed or otherwise separately represented as renewable energy by Seller, or, to the best of my knowledge, any other entity other than Purchaser.

⁵ If using biomass fuels, list out the specific type (i.e. landfill gas, wood waste, etc.) and fill in section IV below.

⁶ If selling renewable attributes to Purchaser without electricity, please fill in the name of the load serving entity buying the undifferentiated electricity, if applicable, at the bottom of this Declaration section.

⁷ Renewable attributes used by Purchaser for any of the purposes listed in 4) are ineligible for Green-e Energy certification.

Please indicate the following:

Is Facility owner reporting its direct greenhouse gas emissions in a legally binding cap and trade program for the time period of generation listed on this form?

- Yes;⁸ list the cap and trade program: _____
- No

If Seller is providing only RECs to Purchaser and selling the associated electricity to a utility or load-serving entity, please write the name of the utility or load-serving entity here: _____

Check box if sale is part of a Qualifying Facility (QF) contract

IV. Additional statement required for and applicable to biomass facilities only

- 1) I attest that no more than five percent (5%) fossil fuels and other fuels that are not Green-e Energy eligible, measured on a BTU basis, were used, including as a start-up, pilot or supplemental fuel, to produce the electricity and/or RECs in the above Green-e Energy eligible biomass generation plant or biomass boiler;
- 2) I attest that this facility was in substantial compliance with its operating permit regarding emissions during the Period of Generation reported above;
- 3) I attest that if this facility is subject to New Source Review (NSR), it was compliant with all standards pertaining to NSR during the period of generation reported above; and
- 4) I attest that Seller owned the renewable and environmental attributes of the biomass fuels I have listed in the table below at the time of the fuel's use for electricity generation.

Biomass Fuel Type	Facility that Produced Fuel or Origin/Source of Fuel

V. Signature

As an authorized agent of Seller, I attest that the above statements are true and correct.

DocuSigned by:
R. ...
February 17, 2022

 Signature Date

Houston, TX
Place of Execution

This Attestation form is used by the Center for Resource Solutions to verify the accuracy of claims made by Participant renewable energy providers. The information on this form is held strictly confidential and will not be shared with any other party except in aggregate form.

⁸ In this case the renewable energy or RECs reported on this form may be ineligible for Green-e Energy certification. For more information, contact Green-e Energy Staff at 415-561-2100.



Energy

GREEN-E ENERGY RENEWABLE GENERATOR REGISTRATION FORM AND ATTESTATION

I. Facility information

Name of Generation Facility ("Facility"): Meridian Way Wind Farm

Company or Person that Owns Facility ("Seller"): Cloud County Wind Farm, LLC

Address of Facility: 1409 Iron Road, Suite A Concordia, KS 66901

North American Electricity Reliability Corporation (NERC) region in which Facility is located:¹ SPP

Facility ID Number:² 56784 EIA or QF? (check one) Nameplate Capacity (MW): 105

Date Facility was First Operational: 12/05/2008 Date of Capacity Upgrade or Repowering:³ / /

Contact Person: Ray Eureste Title: Settlements Analyst

Telephone: (713) 265-0350 Email Address: ray.eureste@edpr.com

II. Renewable electricity or RECs⁴ supplied to Purchaser indicated below, by fuel type

On the table below, list the renewable megawatt-hours (MWh) sold or transferred to Purchaser, broken down by quarter of generation in separate rows:

¹ If you are unsure of which region Facility is in, see <http://www.nerc.com/regional/>

² Enter Energy Information Administration (EIA) identification number for the generating facility; if no EIA number, enter the utility-assigned Qualifying Facility (QF) identification number.

³ If applicable. Repowered facilities must meet Green-e Energy's criteria for repowering, available at http://www.Green-e Energy.org/docs/Repowering_Defin_and_Instructions.doc

⁴ Renewable Energy Certificates, which represent the renewable attributes of 1 MWh of renewable electricity generation.

Fuel Type ⁵	# MWh RECs / Renewable Elec. Sold	Period of Generation (quarter/yy or mm/yy)
Wind	** **	10/2021
Wind	** **	11/2021
Wind	** **	12/2021

III. Declaration

I, Brian Hayes, Executive Vice President, Asset Operations, declare that the renewable electricity (electricity bundled with renewable attributes) / renewable attributes only⁶ (check one) generated by Facility during the Period of Generation were sold exclusively from Seller to The Empire District Electric Company ("Purchaser").

I further declare that:

- 1) all the renewable attributes (including CO₂ benefits), including any emissions offsets, reductions or claims, represented by the renewable electricity generation listed above were transferred to Purchaser;
- 2) to the best of my knowledge, the renewable attributes were not sold, marketed or otherwise claimed by a third party other than Purchaser;
- 3) Seller sold the renewable attributes only once;
- 4) the renewable attributes or the electricity that was generated with the attributes was not used to meet any federal, state or local renewable energy requirement, renewable energy procurement, renewable portfolio standard, or other renewable energy mandate by Seller, nor to the best of my knowledge, by any other entity other than Purchaser;⁷
- 5) the renewable electricity sold or electricity associated with the attributes sold was not used on-site for powering electric generation equipment (parasitic load);
- 6) if Purchaser is receiving electricity bundled with renewable attributes from Seller, the renewable electricity was delivered into the NERC region in which Facility is located;
- 7) if Facility is located in Canada, it is EcoLogo certified and was throughout the Period of Generation; and
- 8) the electricity that was generated with the attributes was not separately sold, separately marketed or otherwise separately represented as renewable energy by Seller, or, to the best of my knowledge, any other entity other than Purchaser.

⁵ If using biomass fuels, list out the specific type (i.e. landfill gas, wood waste, etc.) and fill in section IV below.

⁶ If selling renewable attributes to Purchaser without electricity, please fill in the name of the load serving entity buying the undifferentiated electricity, if applicable, at the bottom of this Declaration section.

⁷ Renewable attributes used by Purchaser for any of the purposes listed in 4) are ineligible for Green-e Energy certification.

Please indicate the following:

Is Facility owner reporting its direct greenhouse gas emissions in a legally binding cap and trade program for the time period of generation listed on this form?

- Yes;⁸ list the cap and trade program: _____
- No

If Seller is providing only RECs to Purchaser and selling the associated electricity to a utility or load-serving entity, please write the name of the utility or load-serving entity here: _____

Check box if sale is part of a Qualifying Facility (QF) contract

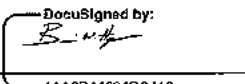
IV. Additional statement required for and applicable to biomass facilities only

- 1) I attest that no more than five percent (5%) fossil fuels and other fuels that are not Green-e Energy eligible, measured on a BTU basis, were used, including as a start-up, pilot or supplemental fuel, to produce the electricity and/or RECs in the above Green-e Energy eligible biomass generation plant or biomass boiler;
- 2) I attest that this facility was in substantial compliance with its operating permit regarding emissions during the Period of Generation reported above;
- 3) I attest that if this facility is subject to New Source Review (NSR), it was compliant with all standards pertaining to NSR during the period of generation reported above; and
- 4) I attest that Seller owned the renewable and environmental attributes of the biomass fuels I have listed in the table below at the time of the fuel's use for electricity generation.

Biomass Fuel Type	Facility that Produced Fuel or Origin/Source of Fuel

V. Signature

As an authorized agent of Seller, I attest that the above statements are true and correct.


February 17, 2022

 Signature Date

Houston, TX
Place of Execution

This Attestation form is used by the Center for Resource Solutions to verify the accuracy of claims made by Participant renewable energy providers. The information on this form is held strictly confidential and will not be shared with any other party except in aggregate form.

⁸ In this case the renewable energy or RECs reported on this form may be ineligible for Green-e Energy certification. For more information, contact Green-e Energy Staff at 415-561-2100.

ATTACHMENT 7 SOLAR CUSTOMER NET GENERATED SOLAR SYSTEMS

operational_date	endrebate_date	acct_pkg	service_state	service_zip
02-Jun-2015	02-Jun-2025	781745-44-329	MO	65672
04-Jun-2015	04-Jun-2025	040872-09-968	MO	65785
05-Jun-2015	05-Jun-2025	957681-14-965	MO	64801
09-Jun-2015	09-Jun-2025	779907-41-562	MO	65613
09-Jun-2015	09-Jun-2025	684795-95-148	MO	65738
11-Jun-2015	11-Jun-2025	194769-48-023	MO	64870
11-Jun-2015	11-Jun-2025	074758-65-403	MO	65781
12-Jun-2015	12-Jun-2025	577508-94-144	MO	64804
12-Jun-2015	12-Jun-2025	028095-68-545	MO	64836
15-Jun-2015	15-Jun-2025	310896-97-737	MO	64804
16-Jun-2015	16-Jun-2025	754879-82-784	MO	64801
17-Jun-2015	17-Jun-2025	177850-39-724	MO	64836
18-Jun-2015	18-Jun-2025	625380-01-653	MO	65653
18-Jun-2015	18-Jun-2025	911926-38-745	MO	65616
19-Jun-2015	19-Jun-2025	009178-75-071	MO	64801
19-Jun-2015	19-Jun-2025	319495-72-106	MO	64836
19-Jun-2015	19-Jun-2025	986806-96-977	MO	64836
22-Jun-2015	22-Jun-2025	128237-32-608	MO	64804
22-Jun-2015	22-Jun-2025	271775-96-675	MO	64804
22-Jun-2015	22-Jun-2025	888950-60-169	MO	65613
23-Jun-2015	23-Jun-2025	860251-33-315	MO	64801
23-Jun-2015	23-Jun-2025	539522-01-157	MO	64850
24-Jun-2015	24-Jun-2025	332979-01-087	MO	64850
24-Jun-2015	24-Jun-2025	957942-77-681	MO	64870
25-Jun-2015	25-Jun-2025	164908-25-894	MO	64836
25-Jun-2015	25-Jun-2025	937577-74-722	MO	64870
26-Jun-2015	26-Jun-2025	241951-40-305	MO	64755
26-Jun-2015	26-Jun-2025	342118-30-367	MO	64836
26-Jun-2015	26-Jun-2025	534030-15-475	MO	64834
26-Jun-2015	26-Jun-2025	555409-74-744	MO	64804
26-Jun-2015	26-Jun-2025	572367-50-946	MO	64804
26-Jun-2015	26-Jun-2025	605432-49-971	MO	64859
26-Jun-2015	26-Jun-2025	774730-03-127	MO	64804
26-Jun-2015	26-Jun-2025	912332-16-390	MO	64834
26-Jun-2015	26-Jun-2025	968660-34-442	MO	65707
26-Jun-2015	26-Jun-2025	890358-79-180	MO	65613
29-Jun-2015	29-Jun-2025	400938-69-303	MO	64801
29-Jun-2015	29-Jun-2025	953511-50-548	MO	65785
29-Jun-2015	29-Jun-2025	953511-50-010	MO	65785
30-Jun-2015	30-Jun-2025	116393-89-578	MO	65785
30-Jun-2015	30-Jun-2025	802193-04-294	MO	65723
30-Jun-2015	30-Jun-2025	040742-41-296	MO	64850
30-Jun-2015	30-Jun-2025	360152-23-835	MO	64836
30-Jun-2015	30-Jun-2025	007709-67-019	MO	64836
30-Jun-2015	30-Jun-2025	777132-17-178	MO	65737

30-Jun-2015	30-Jun-2025	018272-09-011	MO	64850
06-Jul-2015	06-Jul-2025	848859-21-424	MO	64850
14-Jul-2015	14-Jul-2025	389151-94-080	MO	64801
16-Jul-2015	16-Jul-2025	957681-14-965	MO	64801
20-Jul-2015	20-Jul-2025	275243-45-338	MO	65785
24-Jul-2015	24-Jul-2025	244244-80-239	MO	65785
30-Jul-2015	30-Jul-2025	932084-31-268	MO	64801
10-Aug-2015	10-Aug-2025	386437-36-117	MO	65757
11-Aug-2015	11-Aug-2025	587400-96-622	MO	64801
20-Aug-2015	20-Aug-2025	339885-28-034	MO	65605
20-Aug-2015	20-Aug-2025	541278-56-119	MO	65723
20-Aug-2015	20-Aug-2025	284058-71-327	MO	64836
21-Aug-2015	21-Aug-2025	110432-70-590	MO	65646
21-Aug-2015	21-Aug-2025	492571-31-171	MO	65646
25-Aug-2015	25-Aug-2025	285523-43-391	MO	64804
25-Aug-2015	25-Aug-2025	845073-13-334	MO	65616
27-Aug-2015	27-Aug-2025	018272-09-011	MO	64850
03-Sep-2015	03-Sep-2025	075228-31-488	MO	64804
22-Sep-2015	22-Sep-2025	643603-16-571	MO	65616
22-Sep-2015	22-Sep-2025	971744-27-186	MO	65616
05-Oct-2015	05-Oct-2025	575077-30-770	MO	65721
20-Oct-2015	20-Oct-2025	499445-31-583	MO	64804
23-Nov-2015	23-Nov-2025	329577-01-731	MO	65616
30-Nov-2015	30-Nov-2025	336311-83-129	MO	65616
22-Dec-2015	22-Dec-2025	231408-26-100	MO	65616
23-Dec-2015	23-Dec-2025	209510-52-871	MO	65616
23-Dec-2015	23-Dec-2025	366873-50-743	MO	65616
23-Dec-2015	23-Dec-2025	547169-80-014	MO	65616
27-May-2015	27-May-2025	124692-11-150	MO	64804
30-Jul-2015	30-Jul-2025	185911-70-510	MO	64836
03-Aug-2015	03-Aug-2025	502738-01-901	MO	64801
26-Aug-2015	26-Aug-2025	168024-21-036	MO	65781
26-Aug-2015	26-Aug-2025	901473-23-172	MO	65781
31-Aug-2015	31-Aug-2025	799413-63-439	MO	65738
03-Sep-2015	03-Sep-2025	430546-90-444	MO	64834
04-Sep-2015	04-Sep-2025	699273-31-497	MO	64836
09-Sep-2015	09-Sep-2025	133261-96-496	MO	64836
09-Sep-2015	09-Sep-2025	483540-06-477	MO	65804
09-Sep-2015	09-Sep-2025	548964-81-999	MO	65781
14-Sep-2015	14-Sep-2025	341313-80-607	MO	64836
15-Sep-2015	15-Sep-2025	460711-54-023	MO	65653
16-Sep-2015	16-Sep-2025	813279-50-069	MO	65721
18-Sep-2015	18-Sep-2025	253952-08-461	MO	64804
18-Sep-2015	18-Sep-2025	651854-35-241	MO	65738
18-Sep-2015	18-Sep-2025	737261-16-324	MO	64801
21-Sep-2015	21-Sep-2025	705854-14-708	MO	65622
25-Sep-2015	25-Sep-2025	072650-63-481	MO	65672

25-Sep-2015	25-Sep-2025	558887-23-807	MO	65788
30-Sep-2015	30-Sep-2025	470717-30-067	MO	64755
30-Sep-2015	30-Sep-2025	475306-07-568	MO	64850
30-Sep-2015	30-Sep-2025	773445-73-648	MO	65757
30-Sep-2015	30-Sep-2025	809312-74-355	MO	65721
01-Oct-2015	01-Oct-2025	524234-46-354	MO	64844
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12-Oct-2015	12-Oct-2025	135464-20-573	MO	64801
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21-Oct-2015	21-Oct-2025	310896-97-737	MO	64804
21-Oct-2015	21-Oct-2025	848233-28-244	MO	65672
22-Oct-2015	22-Oct-2025	070895-52-062	MO	65640
22-Oct-2015	22-Oct-2025	133573-54-424	MO	65653
22-Oct-2015	22-Oct-2025	587064-14-782	MO	64859
23-Oct-2015	23-Oct-2025	247637-73-801	MO	64850
23-Oct-2015	23-Oct-2025	468546-32-689	MO	64836
23-Oct-2015	23-Oct-2025	978443-29-739	MO	64870
26-Oct-2015	26-Oct-2025	226317-11-711	MO	65723
27-Oct-2015	27-Oct-2025	405482-07-962	MO	65721
29-Oct-2015	29-Oct-2025	057049-13-052	MO	65781
29-Oct-2015	29-Oct-2025	376111-33-282	MO	65663
30-Oct-2015	30-Oct-2025	270198-68-320	MO	65705
03-Nov-2015	03-Nov-2025	128539-94-610	MO	65721
04-Nov-2015	04-Nov-2025	678971-05-001	MO	65708
05-Nov-2015	05-Nov-2025	927995-96-454	MO	64804
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06-Nov-2015	06-Nov-2025	311392-78-557	MO	64734
06-Nov-2015	06-Nov-2025	460711-54-023	MO	65653
06-Nov-2015	06-Nov-2025	893219-80-153	MO	65721
09-Nov-2015	09-Nov-2025	035456-36-043	MO	65616
10-Nov-2015	10-Nov-2025	346141-20-983	MO	64804
10-Nov-2015	10-Nov-2025	403780-24-344	MO	64870
10-Nov-2015	10-Nov-2025	433368-34-367	MO	64804
12-Nov-2015	12-Nov-2025	454542-55-872	MO	64836
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12-Nov-2015	12-Nov-2025	804180-12-708	MO	64854
13-Nov-2015	13-Nov-2025	531331-39-891	MO	65737
13-Nov-2015	13-Nov-2025	846072-63-166	MO	65616
16-Nov-2015	16-Nov-2025	656930-01-051	MO	65672
18-Nov-2015	18-Nov-2025	088058-62-158	MO	64834
18-Nov-2015	18-Nov-2025	109033-18-378	MO	65738
18-Nov-2015	18-Nov-2025	601022-85-381	MO	65616
18-Nov-2015	18-Nov-2025	850238-78-952	MO	65605
19-Nov-2015	19-Nov-2025	788293-49-715	MO	65606
19-Nov-2015	19-Nov-2025	908791-70-575	MO	65781
20-Nov-2015	20-Nov-2025	110561-84-725	MO	65721

24-Nov-2015	24-Nov-2025	090355-73-998	MO	64801
24-Nov-2015	24-Nov-2025	357996-13-324	MO	65616
25-Nov-2015	25-Nov-2025	221599-64-880	MO	65613
25-Nov-2015	25-Nov-2025	411332-47-233	MO	65610
25-Nov-2015	25-Nov-2025	453962-83-192	MO	65613
25-Nov-2015	25-Nov-2025	459634-81-089	MO	65738
30-Nov-2015	30-Nov-2025	891915-57-845	MO	65781
01-Dec-2015	01-Dec-2025	104778-11-480	MO	64804
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02-Dec-2015	02-Dec-2025	782228-07-674	MO	65721
07-Dec-2015	07-Dec-2025	330848-68-689	MO	65785
09-Dec-2015	09-Dec-2025	882794-73-871	MO	65653
10-Dec-2015	10-Dec-2025	865990-58-817	MO	65616
11-Dec-2015	11-Dec-2025	751245-80-128	MO	65781
11-Dec-2015	11-Dec-2025	959816-27-068	MO	64801
15-Dec-2015	15-Dec-2025	894409-37-920	MO	65723
18-Dec-2015	18-Dec-2025	038226-12-994	MO	65648
18-Dec-2015	18-Dec-2025	492220-27-802	MO	65753
18-Dec-2015	18-Dec-2025	940473-48-754	MO	65721
22-Dec-2015	22-Dec-2025	275186-82-617	MO	65616
29-Sep-2015	29-Sep-2025	433247-97-575	MO	64804
01-Oct-2015	01-Oct-2025	927485-08-350	MO	65785
02-Oct-2015	02-Oct-2025	757574-63-687	MO	65622
12-Oct-2015	12-Oct-2025	986301-07-160	MO	65707
12-Oct-2015	12-Oct-2025	986301-07-252	MO	65707
12-Oct-2015	12-Oct-2025	986301-07-404	MO	65707
12-Oct-2015	12-Oct-2025	986301-07-876	MO	65707
12-Oct-2015	12-Oct-2025	986301-07-984	MO	65707
13-Oct-2015	13-Oct-2025	334096-28-860	MO	64834
20-Oct-2015	20-Oct-2025	901297-74-870	MO	64836
27-Oct-2015	27-Oct-2025	037915-01-340	MO	65721
27-Oct-2015	27-Oct-2025	680142-83-152	MO	64844
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04-Nov-2015	04-Nov-2025	986301-07-194	MO	65707
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06-Nov-2015	06-Nov-2025	493994-58-956	MO	65672
10-Nov-2015	10-Nov-2025	279627-83-062	MO	64801
13-Nov-2015	13-Nov-2025	046413-76-586	MO	65613
16-Nov-2015	16-Nov-2025	146292-03-241	MO	65653
18-Nov-2015	18-Nov-2025	067576-01-843	MO	65708
18-Nov-2015	18-Nov-2025	731967-88-082	MO	65616
18-Nov-2015	18-Nov-2025	988357-01-449	MO	65769
20-Nov-2015	20-Nov-2025	579965-93-580	MO	65721
20-Nov-2015	20-Nov-2025	767097-29-994	MO	65721
23-Nov-2015	23-Nov-2025	142093-01-950	MO	65605

23-Nov-2015	23-Nov-2025	276013-27-857	MO	64804
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25-Nov-2015	25-Nov-2025	203423-05-083	MO	65738
25-Nov-2015	25-Nov-2025	829223-93-577	MO	65613
25-Nov-2015	25-Nov-2025	963462-87-995	MO	65650
30-Nov-2015	30-Nov-2025	230515-39-277	MO	65781
30-Nov-2015	30-Nov-2025	465944-16-921	MO	65604
30-Nov-2015	30-Nov-2025	620689-26-133	MO	65781
03-Dec-2015	03-Dec-2025	470826-67-623	MO	64804
03-Dec-2015	03-Dec-2025	715273-92-883	MO	64804
03-Dec-2015	03-Dec-2025	956155-86-648	MO	64804
04-Dec-2015	04-Dec-2025	500382-38-213	MO	64804
07-Dec-2015	07-Dec-2025	433949-41-618	MO	64870
07-Dec-2015	07-Dec-2025	655456-22-385	MO	64870
08-Dec-2015	08-Dec-2025	206913-60-015	MO	65708
09-Dec-2015	09-Dec-2025	322280-08-989	MO	64870
09-Dec-2015	09-Dec-2025	833466-51-780	MO	64804
10-Dec-2015	10-Dec-2025	459798-14-324	MO	64850
11-Dec-2015	11-Dec-2025	655612-98-074	MO	64850
11-Dec-2015	11-Dec-2025	926770-89-817	MO	65770
14-Dec-2015	14-Dec-2025	622762-58-022	MO	65781
15-Dec-2015	15-Dec-2025	810351-05-571	MO	64755
16-Dec-2015	16-Dec-2025	388828-72-958	MO	65705
17-Dec-2015	17-Dec-2025	334246-15-394	MO	65721
17-Dec-2015	17-Dec-2025	543279-82-033	MO	65721
17-Dec-2015	17-Dec-2025	607643-45-743	MO	64855
17-Dec-2015	17-Dec-2025	633336-12-089	MO	65622
17-Dec-2015	17-Dec-2025	665672-70-049	MO	64804
17-Dec-2015	17-Dec-2025	976379-22-801	MO	64804
18-Dec-2015	18-Dec-2025	085067-20-959	MO	64873
18-Dec-2015	18-Dec-2025	101140-13-981	MO	65648
18-Dec-2015	18-Dec-2025	266102-03-057	MO	65672
18-Dec-2015	18-Dec-2025	495524-64-035	MO	65612
18-Dec-2015	18-Dec-2025	511678-44-343	MO	65616
18-Dec-2015	18-Dec-2025	824855-76-787	MO	65610
21-Dec-2015	21-Dec-2025	555720-14-080	MO	64870
22-Dec-2015	22-Dec-2025	039116-32-739	MO	64870
22-Dec-2015	22-Dec-2025	112985-01-427	MO	65738
22-Dec-2015	22-Dec-2025	315179-74-076	MO	64836
22-Dec-2015	22-Dec-2025	341460-46-235	MO	65738
22-Dec-2015	22-Dec-2025	843445-37-711	MO	64836
22-Dec-2015	22-Dec-2025	870435-33-119	MO	65785
23-Dec-2015	23-Dec-2025	183000-09-666	MO	65622
23-Dec-2015	23-Dec-2025	817039-70-867	MO	65616
29-Dec-2015	29-Dec-2025	524846-43-137	MO	64801
29-Dec-2015	29-Dec-2025	555110-08-239	MO	64840
29-Dec-2015	29-Dec-2025	981303-40-685	MO	64804

02-Jan-2016	02-Jan-2026	052461-09-180	MO	65721
05-Jan-2016	05-Jan-2026	258097-29-423	MO	64801
05-Jan-2016	05-Jan-2026	416511-64-810	MO	64870
05-Jan-2016	05-Jan-2026	626426-11-851	MO	65653
05-Jan-2016	05-Jan-2026	804202-63-497	MO	65616
05-Jan-2016	05-Jan-2026	835407-79-080	MO	64840
06-Jan-2016	06-Jan-2026	091219-38-389	MO	64850
06-Jan-2016	06-Jan-2026	131197-35-522	MO	65738
06-Jan-2016	06-Jan-2026	177109-01-521	MO	64850
06-Jan-2016	06-Jan-2026	244633-21-292	MO	64850
06-Jan-2016	06-Jan-2026	661424-86-846	MO	64801
06-Jan-2016	06-Jan-2026	757006-24-109	MO	64850
06-Jan-2016	06-Jan-2026	778828-67-503	MO	65738
06-Jan-2016	06-Jan-2026	826308-87-808	MO	65781
06-Jan-2016	06-Jan-2026	904482-62-066	MO	65653
07-Jan-2016	07-Jan-2026	058768-53-229	MO	65721
07-Jan-2016	07-Jan-2026	552934-61-576	MO	64862
07-Jan-2016	07-Jan-2026	988017-38-291	MO	65616
08-Jan-2016	08-Jan-2026	293684-23-235	MO	65708
08-Jan-2016	08-Jan-2026	438208-45-445	MO	64804
08-Jan-2016	08-Jan-2026	484185-01-091	MO	64804
08-Jan-2016	08-Jan-2026	553609-92-047	MO	65631
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31-Oct-2016	31-Oct-2026	092339-90-281	MO	65617
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02-Dec-2016	02-Dec-2026	440863-50-988	MO	64841
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06-Nov-2017	06-Nov-2027	406815-98-314	MO	65738
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21-Nov-2017	21-Nov-2027	044502-50-064	MO	64840
21-Nov-2017	21-Nov-2027	638167-53-868	MO	64804
27-Nov-2017	27-Nov-2027	777793-93-456	MO	65721
27-Nov-2017	27-Nov-2027	789962-70-711	MO	65616
28-Nov-2017	28-Nov-2027	618482-33-729	MO	64870
29-Nov-2017	29-Nov-2027	030979-14-649	MO	64804

29-Nov-2017	29-Nov-2017	740621-08-638	MO	65613
29-Nov-2017	29-Nov-2017	852337-41-903	MO	64834
30-Nov-2017	30-Nov-2017	106020-82-146	MO	65672
30-Nov-2017	30-Nov-2017	703029-97-473	MO	64873
05-Dec-2017	05-Dec-2017	113853-11-112	MO	64801
05-Dec-2017	05-Dec-2017	120536-33-168	MO	64850
05-Dec-2017	05-Dec-2017	177637-80-802	MO	65738
05-Dec-2017	05-Dec-2017	230186-11-594	MO	65769
05-Dec-2017	05-Dec-2017	417624-85-658	MO	65721
05-Dec-2017	05-Dec-2017	454105-22-313	MO	65757
05-Dec-2017	05-Dec-2017	597646-72-407	MO	65721
05-Dec-2017	05-Dec-2017	881948-55-263	MO	65734
05-Dec-2017	05-Dec-2017	956040-70-241	MO	65613
06-Dec-2017	06-Dec-2017	122099-13-807	MO	64836
06-Dec-2017	06-Dec-2017	140131-37-293	MO	64801
06-Dec-2017	06-Dec-2017	375323-90-362	MO	64804
06-Dec-2017	06-Dec-2017	407026-76-557	MO	64801
06-Dec-2017	06-Dec-2017	468959-55-845	MO	64801
11-Dec-2017	11-Dec-2017	196729-11-728	MO	64804
12-Dec-2017	12-Dec-2017	287408-70-502	MO	64834
12-Dec-2017	12-Dec-2017	320841-33-942	MO	64855
12-Dec-2017	12-Dec-2017	544982-57-408	MO	64804
12-Dec-2017	12-Dec-2017	617814-85-153	MO	65605
13-Dec-2017	13-Dec-2017	081941-91-040	MO	65616
13-Dec-2017	13-Dec-2017	688580-97-016	MO	65721
14-Dec-2017	14-Dec-2017	076501-61-518	MO	65622
14-Dec-2017	14-Dec-2017	347698-96-146	MO	65767
14-Dec-2017	14-Dec-2017	479293-94-062	MO	65781
14-Dec-2017	14-Dec-2017	481039-19-249	MO	65738
15-Dec-2017	15-Dec-2017	074646-84-020	MO	64804
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15-Dec-2017	15-Dec-2017	590637-84-255	MO	65738
15-Dec-2017	15-Dec-2017	810539-24-094	MO	64801
18-Dec-2017	18-Dec-2017	567916-37-594	MO	65672
18-Dec-2017	18-Dec-2017	712415-48-172	MO	65721
19-Dec-2017	19-Dec-2017	385164-95-153	MO	64831
20-Dec-2017	20-Dec-2017	112154-84-534	MO	64850
20-Dec-2017	20-Dec-2017	185752-42-569	MO	64836
20-Dec-2017	20-Dec-2017	595219-03-526	MO	65613
28-Dec-2017	28-Dec-2017	012981-57-026	MO	64844
28-Dec-2017	28-Dec-2017	012981-57-046	MO	64844
28-Dec-2017	28-Dec-2017	012981-57-262	MO	64844
28-Dec-2017	28-Dec-2017	012981-57-310	MO	64844
28-Dec-2017	28-Dec-2017	012981-57-332	MO	64844
28-Dec-2017	28-Dec-2017	012981-57-383	MO	64844
28-Dec-2017	28-Dec-2017	012981-57-849	MO	64844
28-Dec-2017	28-Dec-2017	378058-27-581	MO	65604

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03-Jan-2018	03-Jan-2028	786916-02-686	MO	64801
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05-Jan-2018	05-Jan-2028	754521-07-595	MO	64804
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08-Jan-2018	08-Jan-2028	461010-75-900	MO	65781
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10-Jan-2018	10-Jan-2028	111574-11-266	MO	64836
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10-Jan-2018	10-Jan-2028	225209-19-058	MO	65605
10-Jan-2018	10-Jan-2028	225209-19-606	MO	65605
10-Jan-2018	10-Jan-2028	225209-19-627	MO	65605
10-Jan-2018	10-Jan-2028	383587-31-939	MO	64850
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11-Jan-2018	11-Jan-2028	798551-03-447	MO	65721
11-Jan-2018	11-Jan-2028	845465-91-851	MO	65757
12-Jan-2018	12-Jan-2028	285882-46-315	MO	65622
12-Jan-2018	12-Jan-2028	724527-28-366	MO	65757
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15-Jan-2018	15-Jan-2028	719671-07-095	MO	65738
17-Jan-2018	17-Jan-2028	286692-84-447	MO	65616
17-Jan-2018	17-Jan-2028	595355-01-317	MO	65721
18-Jan-2018	18-Jan-2028	012981-57-987	MO	64844
18-Jan-2018	18-Jan-2028	295481-91-694	MO	65604
19-Jan-2018	19-Jan-2028	167831-24-262	MO	64804
19-Jan-2018	19-Jan-2028	751677-82-088	MO	65616
19-Jan-2018	19-Jan-2028	862443-40-5	MO	64801
23-Jan-2018	23-Jan-2028	303386-69-277	MO	65622
23-Jan-2018	23-Jan-2028	484006-01-268	MO	65781
23-Jan-2018	23-Jan-2028	558145-49-885	MO	65708
23-Jan-2018	23-Jan-2028	826663-39-505	MO	64855
23-Jan-2018	23-Jan-2028	976245-06-515	MO	65616

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24-Jan-2018	24-Jan-2028	226887-02-208	MO	65738
24-Jan-2018	24-Jan-2028	451921-41-329	MO	65738
24-Jan-2018	24-Jan-2028	601964-89-075	MO	64801
24-Jan-2018	24-Jan-2028	785705-84-562	MO	65710
24-Jan-2018	24-Jan-2028	852062-24-640	MO	65613
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26-Jan-2018	26-Jan-2028	284780-98-735	MO	64804
26-Jan-2018	26-Jan-2028	296854-37-849	MO	65616
26-Jan-2018	26-Jan-2028	373318-32-975	MO	64850
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30-Jan-2018	30-Jan-2028	561027-56-606	MO	65781
30-Jan-2018	30-Jan-2028	605259-53-561	MO	65753
30-Jan-2018	30-Jan-2028	957208-80-883	MO	64804
31-Jan-2018	31-Jan-2028	343488-65-154	MO	65738
31-Jan-2018	31-Jan-2028	379223-46-148	MO	64801
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01-Feb-2018	01-Feb-2028	921938-62-157	MO	64836
03-Feb-2018	03-Feb-2028	483402-01-770	MO	65613
05-Feb-2018	05-Feb-2028	160238-49-829	MO	64844
07-Feb-2018	07-Feb-2028	846093-05-302	MO	65738
07-Feb-2018	07-Feb-2028	989978-41-750	MO	65781
09-Feb-2018	09-Feb-2028	227843-66-024	MO	64804
09-Feb-2018	09-Feb-2028	961881-84-248	MO	64801
12-Feb-2018	12-Feb-2028	998100-11-553	MO	65714
13-Feb-2018	13-Feb-2028	140767-77-274	MO	64834
13-Feb-2018	13-Feb-2028	709772-05-050	Mo	64804
14-Feb-2018	14-Feb-2028	031263-76-197	MO	65672
14-Feb-2018	14-Feb-2028	297540-75-178	MO	65613
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15-Feb-2018	15-Feb-2028	565083-71-633	MO	65653
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16-Feb-2018	16-Feb-2028	777257-58-397	MO	65757
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19-Feb-2018	19-Feb-2028	552247-49-337	MO	65616
19-Feb-2018	19-Feb-2028	939658-89-545	MO	64873
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21-Feb-2018	21-Feb-2028	320908-35-905	MO	65753
21-Feb-2018	21-Feb-2028	492511-98-557	MO	64870

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22-Feb-2018	22-Feb-2028	800828-77-691	MO	65757
26-Feb-2018	26-Feb-2028	003028-51-807	MO	64804
26-Feb-2018	26-Feb-2028	211008-62-152	MO	65616
26-Feb-2018	26-Feb-2028	628946-20-163	MO	65622
27-Feb-2018	27-Feb-2028	161419-80-451	MO	65707
27-Feb-2018	27-Feb-2028	420978-84-137	MO	64801
27-Feb-2018	27-Feb-2028	420978-84-742	MO	64801
02-Mar-2018	02-Mar-2028	772311-23-832	MO	65714
02-Mar-2018	02-Mar-2028	809208-54-710	MO	65616
05-Mar-2018	05-Mar-2028	144243-82-652	MO	64804
05-Mar-2018	05-Mar-2028	223153-13-1	MO	64804
05-Mar-2018	05-Mar-2028	410203-70-871	MO	64801
05-Mar-2018	05-Mar-2028	410203-70-871	MO	64801
06-Mar-2018	06-Mar-2028	218207-48-204	MO	64840
06-Mar-2018	06-Mar-2028	652087-45-371	MO	64831
06-Mar-2018	06-Mar-2028	670343-08-006	MO	65622
06-Mar-2018	06-Mar-2028	723193-78-077	MO	65622
07-Mar-2018	07-Mar-2028	082050-71-661	MO	65714
07-Mar-2018	07-Mar-2028	477163-52-088	MO	65721
08-Mar-2018	08-Mar-2028	233173-09-905	MO	65785
08-Mar-2018	08-Mar-2028	769642-89-650	MO	64804
08-Mar-2018	08-Mar-2028	769642-89-727	MO	64804
09-Mar-2018	09-Mar-2028	027750-22-529	MO	65738
13-Mar-2018	13-Mar-2028	030649-67-108	MO	64801
13-Mar-2018	13-Mar-2028	030649-67-570	MO	64801
13-Mar-2018	13-Mar-2028	333063-93-262	MO	64801
13-Mar-2018	13-Mar-2028	440695-81-201	MO	65721
13-Mar-2018	13-Mar-2028	484042-25-114	MO	65738
13-Mar-2018	13-Mar-2028	502905-91-019	MO	64850
13-Mar-2018	13-Mar-2028	801881-47-390	MO	64801
13-Mar-2018	13-Mar-2028	831172-86-188	MO	65781
13-Mar-2018	13-Mar-2028	969616-18-179	MO	65604
14-Mar-2018	14-Mar-2028	524366-26-353	MO	64863
14-Mar-2018	14-Mar-2028	907467-80-145	MO	64804
15-Mar-2018	15-Mar-2028	217608-29-892	MO	65738
15-Mar-2018	15-Mar-2028	729373-29-116	MO	65612
15-Mar-2018	15-Mar-2028	812575-09-002	MO	65769
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22-Mar-2018	22-Mar-2028	668719-81-783	MO	64804
22-Mar-2018	22-Mar-2028	829954-32-0	MO	64850
26-Mar-2018	26-Mar-2028	405017-92-910	MO	65616
29-Mar-2018	29-Mar-2028	489121-37-370	MO	64840
02-Apr-2018	02-Apr-2028	648324-68-828	MO	65721
03-Apr-2018	03-Apr-2028	294764-05-737	MO	65785

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11-Apr-2018	11-Apr-2028	014779-86-894	MO	64862
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12-Apr-2018	12-Apr-2028	092442-65-732	MO	65721
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16-Apr-2018	16-Apr-2028	718754-01-428	MO	65613
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19-Apr-2018	19-Apr-2028	721322-51-452	MO	65721
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23-Apr-2018	23-Apr-2028	026988-48-614	MO	65616
23-Apr-2018	23-Apr-2028	348403-82-522	MO	64804
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24-Apr-2018	24-Apr-2028	355900-26-562	MO	65613
24-Apr-2018	24-Apr-2028	532350-57-605	MO	64804
24-Apr-2018	24-Apr-2028	630507-40-021	MO	65612
25-Apr-2018	25-Apr-2028	116410-92-652	MO	64850
26-Apr-2018	26-Apr-2028	442010-02-668	MO	65672
26-Apr-2018	26-Apr-2028	220465-20-398	MO	65738
26-Apr-2018	26-Apr-2028	380587-16-413	MO	65721
01-May-2018	01-May-2028	173959-94-511	MO	64850
01-May-2018	01-May-2028	394349-82-489	MO	64850
04-May-2018	04-May-2028	013250-62-237	MO	65672
07-May-2018	07-May-2028	387158-41-224	MO	65672
07-May-2018	07-May-2028	451537-34-966	MO	65613

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08-May-2018	08-May-2028	322482-79-430	MO	65723
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16-May-2018	16-May-2028	808796-54-662	MO	64870
17-May-2018	17-May-2028	107861-83-538	MO	65613
18-May-2018	18-May-2028	107861-83-004	MO	65613
18-May-2018	18-May-2028	331108-67-807	MO	64804
18-May-2018	18-May-2028	434553-17-064	MO	65721
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24-May-2018	24-May-2028	814469-61-181	MO	64804
30-May-2018	30-May-2028	117213-77-206	MO	65672
30-May-2018	30-May-2028	369280-68-362	MO	64865
30-May-2018	30-May-2028	866189-93-557	MO	65708
31-May-2018	31-May-2028	017946-57-933	MO	65646
31-May-2018	31-May-2028	069075-60-207	MO	65672
31-May-2018	31-May-2028	143723-39-628	MO	65721
31-May-2018	31-May-2028	450877-85-513	MO	65672
31-May-2018	31-May-2028	482088-30-235	MO	65653
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01-Jun-2018	01-Jun-2028	631977-28-452	MO	65613
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04-Jun-2018	04-Jun-2028	694021-78-052	MO	64804
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05-Jun-2018	05-Jun-2028	437321-65-210	MO	64834
05-Jun-2018	05-Jun-2028	457460-15-795	MO	65723
05-Jun-2018	05-Jun-2028	550475-10-046	MO	65616
05-Jun-2018	05-Jun-2028	976490-15-295	MO	64804
06-Jun-2018	06-Jun-2028	424940-43-653	MO	64850
06-Jun-2018	06-Jun-2028	700591-78-616	MO	65672
08-Jun-2018	08-Jun-2028	112985-01-427	MO	65738

08-Jun-2018	08-Jun-2028	678352-97-180	MO	65707
11-Jun-2018	11-Jun-2028	217097-55-753	MO	65631
11-Jun-2018	11-Jun-2028	719803-36-148	MO	64850
12-Jun-2018	12-Jun-2028	067504-24-572	MO	64801
12-Jun-2018	12-Jun-2028	213993-44-666	MO	64836
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12-Jun-2018	12-Jun-2028	718834-96-714	MO	64801
14-Jun-2018	14-Jun-2028	040341-89-246	MO	65721
14-Jun-2018	14-Jun-2028	259290-84-902	MO	64840
14-Jun-2018	14-Jun-2028	619063-19-082	MO	64801
15-Jun-2018	15-Jun-2028	807700-35-784	MO	64836
18-Jun-2018	18-Jun-2028	374240-36-935	MO	65604
18-Jun-2018	18-Jun-2028	562125-45-076	MO	65653
18-Jun-2018	18-Jun-2028	923640-94-838	MO	65672
21-Jun-2018	21-Jun-2028	363327-46-008	MO	65757
22-Jun-2018	22-Jun-2028	221530-06-730	MO	65738
22-Jun-2018	22-Jun-2028	400897-56-929	MO	65613
22-Jun-2018	22-Jun-2028	794592-89-096	MO	64842
22-Jun-2018	22-Jun-2028	805425-61-065	MO	65738
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25-Jun-2018	25-Jun-2028	317929-91-337	MO	64748
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25-Jun-2018	25-Jun-2028	643058-39-115	MO	65785
25-Jun-2018	25-Jun-2028	780817-19-019	MO	65616
25-Jun-2018	25-Jun-2028	891490-57-262	MO	64870
26-Jun-2018	26-Jun-2028	705889-08-545	MO	64804
26-Jun-2018	26-Jun-2028	094885-60-491	MO	64850
26-Jun-2018	26-Jun-2028	112535-36-321	MO	65721
26-Jun-2018	26-Jun-2028	628263-01-487	MO	65721
26-Jun-2018	26-Jun-2028	628835-19-627	MO	65738
27-Jun-2018	27-Jun-2028	568033-02-927	MO	65605
27-Jun-2018	27-Jun-2028	897057-75-762	MO	64804
29-Jun-2018	29-Jun-2028	131639-94-137	MO	65653
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28-Sep-2018	28-Sep-2028	651867-54-264	MO	65622
01-Oct-2018	01-Oct-2028	206094-96-049	MO	65708
01-Oct-2018	01-Oct-2028	401727-29-508	MO	64804
01-Oct-2018	01-Oct-2028	876777-64-777	MO	65708
03-Oct-2018	03-Oct-2028	173142-15-418	MO	64644

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25-Oct-2018	25-Oct-2028	705039-53-623	MO	64836
25-Oct-2018	25-Oct-2028	822221-47-439	MO	64836

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30-Oct-2018	30-Oct-2028	685787-61-259	MO	65721
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31-Oct-2018	31-Oct-2028	889455-30-812	MO	64748
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07-Nov-2018	07-Nov-2028	412274-57-660	MO	64836
07-Nov-2018	07-Nov-2028	827236-49-024	MO	65616
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09-Nov-2018	09-Nov-2028	533715-23-121	MO	64850
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15-Nov-2018	15-Nov-2028	596418-90-726	MO	65656
15-Nov-2018	15-Nov-2028	637913-58-612	MO	64844
16-Nov-2018	16-Nov-2028	484042-25-114	MO	65738

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19-Nov-2018	19-Nov-2028	394349-82-489	MO	64850
19-Nov-2018	19-Nov-2028	425158-16-636	MO	64850
19-Nov-2018	19-Nov-2028	633817-17-722	MO	64850
19-Nov-2018	19-Nov-2028	765061-55-442	MO	65721
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20-Nov-2018	20-Nov-2028	985633-47-389	MO	64804
21-Nov-2018	21-Nov-2028	470961-22-807	MO	64854
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26-Nov-2018	26-Nov-2028	532731-45-031	MO	64801
26-Nov-2018	26-Nov-2028	574802-27-587	MO	64801
26-Nov-2018	26-Nov-2028	583919-05-573	MO	64801
26-Nov-2018	26-Nov-2028	694769-17-565	MO	64836
26-Nov-2018	26-Nov-2028	982026-89-202	MO	65721
27-Nov-2018	27-Nov-2028	391934-64-715	MO	64804
27-Nov-2018	27-Nov-2028	725790-88-611	MO	64804
27-Nov-2018	27-Nov-2028	902850-90-520	MO	64836
28-Nov-2018	28-Nov-2028	078182-29-399	MO	65738
28-Nov-2018	28-Nov-2028	314303-74-275	MO	65622
29-Nov-2018	29-Nov-2028	822914-35-394	MO	64850
29-Nov-2018	29-Nov-2028	928002-14-359	MO	64850
30-Nov-2018	30-Nov-2028	304931-33-327	MO	64804
30-Nov-2018	30-Nov-2028	446017-12-329	MO	64804
30-Nov-2018	30-Nov-2028	777672-59-579	MO	64801
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03-Dec-2018	03-Dec-2028	241611-25-184	MO	64862
03-Dec-2018	03-Dec-2028	915287-53-255	MO	65610
05-Dec-2018	05-Dec-2028	228035-08-363	MO	64870
05-Dec-2018	05-Dec-2028	903224-14-907	MO	65770
07-Dec-2018	07-Dec-2028	087712-51-259	MO	64804
07-Dec-2018	07-Dec-2028	722938-08-051	MO	64804
10-Dec-2018	10-Dec-2028	090355-73-998	MO	64801
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14-Oct-2021	14-Oct-2031	035133-75-048	MO	64748
14-Oct-2021	14-Oct-2031	754902-46-483	MO	64801
19-Oct-2021	19-Oct-2031	888362-17-180	MO	65672
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21-Oct-2021	21-Oct-2031	365103-45-477	MO	65785
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09-Nov-2021	09-Nov-2031	680124-84-387	MO	64842
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12-Nov-2021	12-Nov-2031	926435-21-173	MO	64850
15-Nov-2021	15-Nov-2031	258547-73-099	MO	65617
15-Nov-2021	15-Nov-2031	500816-50-008	MO	64804
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28-Dec-2021	28-Dec-2031	257859-92-206	MO	64856
28-Dec-2021	28-Dec-2031	904091-37-770	MO	65668
30-Dec-2021	30-Dec-2031	368809-43-925	MO	65605
30-Dec-2021	30-Dec-2031	861323-90-040	MO	64862

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37	13.6	13.6		
37	21	21		
37	19.4	19.4		
37	15	15		
37	5.79	5.79		
37	7.98	7.98		
37	90	22.58		
37	11.22	11.22		
37	12.11	12.11		
37	5.05	5.05		
37	9.4	9.4		
37	9.47	9.47		
37	17.5	17.5		
37	12.6	12.6		
37	9.81	9.81		
37	9.61	9.61		
37	9.5	9.5		
37	0	0		
37	19.96	19.96		
37	8.26	8.26		
37	17.2	17.2		
37	31.02	31.02		
37	8.6	8.6		
37	18.78	18.78		
37	6.37	6.37		
37	9.59	9.59		
37	9.3	9.3		
37	10.58	10.58		
37	29.2	29.2		
37	21.8	21.8		
37	16.13	16.13		
37	5.87	5.87		
37	25.28	25.28		
37	14.48	14.48		
37	8.25	8.25		
37	8.74	8.74		
37	21.66	21.66		
37	14.4	14.4		
37	10.37	10.37		
37	20.1	20.1		

38	125.13	30.85		1043.92	N3554
38	18.99	18.99			
38	24.38	24.38			
38	15.4	15.4			
38	11.3	11.3			
38	14.41	14.41			
38	18.06	18.06			
38	23.2	23.2			
38	6.51	6.51			
38	7.3	7.3			
38	20.86	20.86			
38	9.99	9.99			
38	21.53	21.53			
38	7.45	7.45			
38	16	16			
38	19.39	19.39			
38	15.41	15.41			
38	13.9	13.9			
38	20.1	20.1			
38	2.5	2.5			
38	26.81	26.81			
38	9.2	9.2			
38	12	12			
38	14.2	14.2			
38	12.5	12.5			
38	9.54	9.54			
38	5.83	5.83			
38	13.93	13.93			
38	4.48	4.48			
38	5.9	5.9			
38	11.84	11.84			
38	59.7	33.08			
38	39.4	33.1			
38	7.4	7.4			
38	9.7	9.7			
38	16.74	16.74			
38	8.74	8.74			
38	13.35	13.35			
38	14.1	14.1			
38	13.16	13.16			
38	16.23	16.23			
38	35.66	35.66			
38	22.51	22.51			
38	1.6	1.6			
38	22.2	22.2			
38	15.7	15.7			
38	15.4	15.4			

38	13.06	13.06			
38	9.33	9.33			
38	6.9	6.9			
38	8.8	8.8			
38	147.88	33.65			
38	42.61	32.61			
38	15.75	15.75			
38	15.5	15.5			
38	14.04	14.04			
38	4.6	4.6			
38	14.3	14.3			
38	19.03	19.03			
38	83.6	36.74			
38	9.8	9.8			
38	5.4	5.4			
38	10.99	10.99			
38	23.88	23.88			
38	15.5	15.5			
38	9.01	9.01			
38	22.6	22.6			
39	78.44	33.15	888.48		
39	20.39	20.39	168.29		
39	135.5	29.67		1056.765	N3555
39	0	0			
39	18	18			
39	14.14	14.14			
39	14.8	14.8			
39	11	11			
39	11.95	11.95			
39	29.8	29.8			
39	17.8	17.8			
39	21.9	21.9			
39	193.06	32.61			
39	22.77	22.77			
39	20.9	20.9			
39	12.1	12.1			
39	18.2	18.2			
39	10.5	10.5			
39	16.75	16.75			
39	10.2	10.2			
39	10.47	10.47			
39	0	0			
39	7.1	7.1			
39	8.3	8.3			
39	11.26	11.26			
39	17.55	17.55			
39	13.9	13.9			

39	10.9	10.9			
39	19	19			
39	6.7	6.7			
39	11.8	11.8			
39	10.4	10.4			
39	17.6	17.6			
39	20.9	20.9			
39	13.3	13.3			
39	11.75	11.75			
39	13.03	13.03			
39	18.9	18.9			
39	42.43	36.83			
39	9.2	9.2			
39	23.6	23.6			
39	8.7	8.7			
39	11.26	11.26			
39	20.3	20.3			
39	11.8	11.8			
39	11	11			
39	14.59	14.59			
39	20.49	20.49			
39	5.5	5.5			
39	11.8	11.8			
39	15.2	15.2			
39	16.6	16.6			
39	7.2	7.2			
39	12.93	12.93			
39	22.71	22.71			
39	16.38	16.38			
39	10.8	10.8			
39	12.1	12.1			
39	12.89	12.89	12.89		
39	13.2	13.2	13.2		
39	26.35	26.35	26.35		
39	15.1	15.1	15.1		
39	5.19	5.19	5.19		
39	12.4	12.4	12.4		
39	9.7	9.7	9.7		
39	22.3	22.3	22.3		
39	16.78	16.78	16.78		
39	13.9	13.9	12.742		
39	0	0	0		
39	15.6	15.6	14.3		
39	8	8	7.3333		
40	15.66	15.66	14.355	742.2825	N4215
40	16.56	16.56	15.18		
40	6.38	6.38	5.8483		

40	11.83	11.83	10.844		
40	17.59	17.59	16.124		
40	10.44	10.44	9.57		
40	6.6	6.6	6.05		
40	2.65	2.65	2.4292		
40	10.2	10.2	9.35		
40	5.53	5.53	4.6083		
40	7.06	7.06	5.8833		
40	16.4	16.4	13.667		
40	5.37	5.37	4.475		
40	6.36	6.36	5.3		
40	13.6	13.6	11.333		
40	15.63	15.63	13.025		
40	20.8	20.8	17.333		
40	9.1	9.1	7.5833		
40	29.6	29.6	24.667		
40	17.3	17.3	14.417		
40	10.8	10.8	9		
40	40.84	37.07	30.892		
40	17.01	17.01	14.175		
40	8.69	8.69	7.2417		
40	15.3	15.3	11.475		
40	164.33	33.13	24.848		
40	13.78	13.78	10.335		
40	17.56	17.56	13.17		
40	11.2	11.2	8.4		
40	8.9	8.9	6.675		
40	7.5	7.5	5.625		
40	6.69	6.69	5.0175		
40	14.5	14.5	10.875		
40	13.5	13.5	10.125		
40	127.05	31.76	23.82		
40	38.28	36.95	27.713		
40	12.43	12.43	9.3225		
40	8.12	8.12	6.09		
40	0	0	0		
40	19.95	19.95	14.963		
40	13.95	3.89	2.9175		
40	5.98	5.98	4.485		
40	6.44	6.44	4.83		
40	10	10	7.5		
40	15.5	15.5	11.625		
40	6.19	6.19	4.6425		
40	19.14	19.14	14.355		
40	20.49	20.49	15.368		
40	12.04	12.04	9.03		
40	9.54	9.54	7.155		

40	14.78	14.78	11.085		
40	8.18	8.18	6.135		
40	15.91	15.91	11.933		
40	3.11	3.11	2.3325		
40	15.87	15.87	11.903		
40	4.97	4.97	3.7275		
40	21.82	21.82	16.365		
40	13.23	13.23	9.9225		
40	8.97	8.97	6.7275		
40	18.31	18.31	13.733		
40	17.69	17.69	13.268		
40	16.23	16.23	12.173		
40	28.51	28.51	21.383		
40	8.04	8.04	5.36		
40	10.98	10.98	7.32		
40	20.07	20.07	13.38		
40	16.58	16.58	11.053		
40	14.69	14.69	9.7933		
40	16.47	16.47	10.98		
41	10.16	10.16	6.7733	651.33	N4205
41	1.49	1.49	0.9933		
41	11.31	11.31	7.54		
41	10.04	10.04	6.6933		
41	11.45	11.45	7.6333		
41	6.25	6.25	4.1667		
41	28.87	28.87	19.247		
41	6.61	6.61	4.4067		
41	10.26	10.26	6.84		
41	32.09	32.09	21.393		
41	6.04	6.04	4.0267		
41	15.73	15.73	10.487		
41	18.5	18.5	12.333		
41	6.2	6.2	4.1333		
41	20.68	20.68	13.787		
41	17.46	17.46	11.64		
41	12.3	12.3	8.2		
41	5	5	3.3333		
41	2.41	2.41	1.6067		
41	16.9	16.9	11.267		
41	12.17	12.17	8.1133		
41	18.78	18.78	12.52		
41	10.02	10.02	6.68		
41	8.5	8.5	5.6667		
41	28.9	28.9	19.267		
41	18.57	18.57	12.38		
41	23.98	23.98	15.987		
41	160.2	37.2	24.8		

41	24.28	24.28	16.187		
41	4	4	2.6667		
41	15.5	15.5	10.333		
41	160.2	37.2	24.8		
41	7.38	7.38	4.92		
41	9.93	9.93	6.62		
41	9.87	9.87	6.58		
41	6	6	4		
41	12.86	12.86	7.5017		
41	8.23	8.23	4.8008		
41	17.99	17.99	10.494		
41	8.75	8.75	5.1042		
41	19.46	19.46	11.352		
41	8.68	8.68	5.0633		
41	12.97	12.97	7.5658		
41	49.7	35.62	20.778		
41	11	11	6.4167		
41	22.24	22.24	12.973		
41	26.65	26.65	15.546		
41	15.45	15.45	9.0125		
41	20.73	20.73	12.093		
41	12.1	12.1	7.0583		
41	14.41	14.41	8.4058		
41	12.1	12.1	7.0583		
41	23.6	23.6	13.767		
41	57.29	36.12	21.07		
41	6.5	6.5	3.7917		
41	12.33	12.33	7.1925		
41	9.37	9.37	5.4658		
41	14.71	14.71	8.5808		
41	5.48	5.48	3.1967		
41	19.14	19.14	11.165		
41	6.62	6.62	3.8617		
41	20.7	20.7	12.075		
41	14.7	14.7	8.575		
41	14.09	14.09	8.2192		
41	11.9	11.9	6.9417		
41	16.79	16.79	8.395		
41	6.58	6.58	3.29		
41	6.04	6.04	3.02		
41	14.73	14.73	7.365		
41	11.9	11.9	5.95		
41	11.35	11.35	5.675		
41	8.98	8.98	4.49		
42	32.02	32.02	16.01	197.255	N4216
42	22.9	22.9	11.45		
42	21.83	21.83	10.915		

42	14.22	14.22	7.11		
42	15.44	15.44	7.72		
42	9.65	9.65	4.825		
42	13.33	13.33	6.665		
42	9.26	9.26	4.63		
42	21.43	21.43	10.715		
42	18.29	18.29	9.145		
42	7.2	7.2	3.6		
42	22.8	22.8	11.4		
42	14.92	14.92	7.46		
42	24.69	24.69	12.345		
42	10.89	10.89	5.445		
42	14.5	14.5	7.25		
42	627.56	31.39	15.695		
42	6.9	6.9	3.45		
42	116.8	29.23	14.615		
42	16.4	16.4	8.2		
42	13.4	13.4	6.7		
42	6	6	3		
42	17.82	17.82	8.91		
43	9.81	9.81	9.81	311.122	N4217
43	227.1	32.35	16.175		
43	4.64	4.64	2.32		
43	15.5	15.5	6.4583		
43	0	0	0		
43	7.22	7.22	3.0083		
43	8	8	3.3333		
43	13.76	13.76	5.7333		
43	13.91	13.91	5.7958		
43	0	0	0		
43	6.8	6.8	2.8333		
43	11.59	11.59	4.8292		
43	14.93	14.93	6.2208		
43	14	14	5.8333		
43	5.6	5.6	2.3333		
43	15.3	15.3	6.375		
43	116.4	29.13	12.138		
43	6.8	6.8	2.8333		
43	17	17	7.0833		
43	20.5	20.5	8.5417		
43	42.91	34.11	14.213		
43	59	27.68	11.533		
43	47.6	30.61	12.754		
43	2.6	2.6	1.0833		
43	17.21	17.21	7.1708		
43	9.7	9.7	4.0417		
43	9.2	9.2	3.8333		

43	10.8	10.8	4.5		
43	167.2	36.67	15.279		
43	14.05	14.05	5.8542		
43	10	10	4.1667		
43	11.41	11.41	4.7542		
43	20.8	20.8	8.6667		
43	3.4	3.4	1.1333		
43	19.11	19.11	6.37		
43	15.61	15.61	5.2033		
43	17.71	17.71	5.9033		
43	27.7	27.7	9.2333		
43	21	21	7		
43	11.9	11.9	3.9667		
43	0	0	0		
43	12.11	12.11	4.0367		
43	34	33.89	11.297		
43	22.4	22.4	7.4667		
43	12.76	12.76	4.2533		
43	11.3	11.3	3.7667		
43	36.7	36.7	12.233		
43	7.56	7.56	2.52		
43	3.1	3.1	1.0333		
43	14.8	14.8	4.9333		
43	15	15	5		
43	11.39	11.39	3.7967		
43	7.41	7.41	2.47		
44	15.23	15.23	5.0767	166.5408	N4218
44	26.3	26.3	6.575		
44	26.89	26.89	6.7225		
44	23.4	23.4	5.85		
44	17.66	17.66	4.415		
44	6.22	6.22	1.555		
44	12.77	12.77	3.1925		
44	23.73	23.73	5.9325		
44	14.4	14.4	3.6		
44	8.21	8.21	2.0525		
44	13.66	13.66	3.415		
44	13.41	13.41	3.3525		
44	16.5	16.5	4.125		
44	0	0	0		
44	4.4	4.4	1.1		
44	1	1	0.25		
44	44.6	30.97	7.7425		
44	18.11	18.11	4.5275		
44	11.24	11.24	2.81		
44	11.3	11.3	2.825		
44	8.5	8.5	2.125		

44	12.15	12.15	3.0375		
44	0	0	0		
44	14.64	14.64	3.66		
44	7.93	7.93	1.9825		
44	25.9	25.9	4.3167		
44	7.18	7.18	1.1967		
44	14.3	14.3	2.3833		
44	19.37	19.37	3.2283		
44	15.33	15.33	2.555		
44	24.6	24.6	4.1		
44	15.28	15.28	2.5467		
44	24.45	24.45	4.075		
44	4.4	4.4	0.7333		
44	15.59	15.59	2.5983		
44	21.2	21.2	3.5333		
44	16.3	16.3	2.7167		
44	23.9	23.9	3.9833		
44	11.94	11.94	1.99		
44	17.27	17.27	2.8783		
44	20	20	3.3333		
44	10.7	10.7	1.7833		
44	13.33	13.33	2.2217		
44	15.29	15.29	1.2742		
44	13.2	13.2	1.1		
44	17.39	17.39	1.4492		
44	10.21	10.21	0.8508		
44	13.94	13.94	1.1617		
44	17.66	17.66	1.4717		
44	25.31	25.31	2.1092		
44	1	1	0.0833		
44	9.57	9.57	0.7975		
44	9.79	9.79	0.8158		
44	56.77	32.2	2.6833		
44	6.85	6.85	0.5708		
44	5.87	5.87	0.4892		
44	23.49	23.49	1.9575		
44	13.7	13.7	1.1417		
44	12.47	2.7	0.225		
44	23.68	23.68	1.9733		
44	24.17	24.17	2.0142		
44	17.04	17.04	1.42		
44	8.03	8.03	0.6692		
44	11.23	11.23	0.9358		
44	9.33	9.33	0.7775		
44	19.54	19.54	1.6283		
44	13.45	13.45	1.1208		
44	20.68	20.68	1.7233		

TOTAL 44196.905

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 12

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER
RIDER NM

AVAILABILITY:

Electric service is available under this schedule at points on the Company's existing distribution facilities located within its service area for customers operating renewable fuel source generators.

Applicable to Customer-Generators with a Company approved interconnection agreement. This schedule is not applicable where the Customer's electrical generating system exceeds 100 kW.

The net metering service shall be available to Customer-Generators on a first-come, first-serve basis until the total rated generating capacity of net metering systems equals 5% of the Company's single-hour peak load during the previous year. Resale electric service will not be supplied under this schedule.

DEFINITIONS:

Customer-Generator:

The owner or operator of a qualified electric energy generation unit that meets all of the following criteria:

- a. Is powered by a renewable energy resource;
- b. Has an electrical generating system with a capacity of not more than one hundred fifty kilowatts;
- c. Is located on a premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- d. Is interconnected and operated in parallel phase and synchronization with the Company;
- e. Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements;
- f. Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronic Engineers and any local governing authorities; and
- g. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back onto the Company's electricity lines in the event that the service to the Customer-Generator is interrupted.

Renewable Energy Resources:

Electrical energy produced from wind, solar thermal sources, hydroelectric sources, photovoltaic cells and panels, fuel cells using hydrogen produced by ones of the above-named electrical energy sources, and other sources of energy that become available, and are certified as renewable by the Missouri Department of Natural Resources or the Missouri Department of Economic Development's Division of Energy.

CHARACTER OF SERVICE:

Alternating current, 60 cycles, at the voltage and phase of the Company's established secondary distribution system serving the Customer-Generator's premise.

BILLING AND PAYMENT:

The Company shall render a bill for net consumption at approximately 30-day intervals based on the Company's regular tariff schedules as on file with the Missouri Public Service Commission. Net consumption is defined as the kWh supplied by the Company to the Customer-Generator minus kWh supplied by the Customer-Generator and returned to the Company's grid during the billing month. Any net consumption shall be valued monthly as follows

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ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

FILED
Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038;
YE-2021-0041

For ALL TERRITORY

NET METERING RIDER
RIDER NM

BILLING AND PAYMENT (continued):

To the extent the net consumption is positive (i.e. Customer-Generator took more kWh from the Company during the month than Customer-Generator produced), the eligible Customer-Generator will be billed in accordance with the Customer-Generator's otherwise applicable standard rate for Customer Charges, Demand Charges, and Energy Charges (for the net consumption).

To the extent the net consumption is negative (i.e. Customer-Generator produced more kWh during the month than the Company supplied), the Customer-Generator will be credited in accordance with the Company's bi-annually calculated avoided fuel cost of the net energy (kWh) delivered to the Company. With the exception of the Energy Charge, all other applicable standard rate charges shall apply.

PURCHASED RATE:

Summer Season, per kWh.....	\$	0.0250
Winter Season, per kWh.....	\$	0.0262

The Summer Season will be the four months of June through September, and the Winter Season will be the eight months of October through May.

To the extent the net consumption is zero (i.e. Customer-Generator produced the same kWh during the month as supplied by the Company), the Customer-Generator will be Minimum billed in accordance with the eligible Customer-Generator's otherwise applicable standard rate.

TERMS AND CONDITIONS:

1. The Company will supply, own and maintain all necessary meters and associated equipment utilized for billing. If the Company's metering equipment at the Customer Generator's premise does not have the capability of measuring both the net energy produced and the net energy consumed, the Customer shall reimburse the Company for the cost to purchase and install sufficient metering. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be accessible at all times to Company personnel.
2. The Company shall have the right to require the Customer, at certain times and as electric operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer shall furnish, install, operate and maintain in good order and repair without cost to the Company such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the NEC, NESC, IEEE or UL as being required as suitable for the operation of the generator in parallel with the Company's system.
4. The disconnect switch shall be under the exclusive control of the Company. The manual switch must have the capability to be locked out by Company personnel to isolate the Company's facilities in the event of an electrical outage on the Company's transmission and distribution facilities serving the Customer. This isolating device shall also serve as a means of isolation for the Customer's equipment during any customer maintenance activities, routine outages or emergencies. The Company shall give notice to the Customer before a manual switch is locked or an isolating device is used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
5. The Customer may be required to reimburse the Company for any equipment or facilities required solely as a result of the installation by the Customer of generation in parallel with the Company's Service. This requirement is limited to equipment or facilities installed by the Company in excess of those required of the Company by the NEC, NESC, IEEE or UL.
6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the Customer-owned generator, and the Company shall have the right to have a representative present at said test.

DATE OF ISSUE January 15, 2021 DATE EFFECTIVE ~~February 14, 2021~~
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

February 26, 2021

FILED
Missouri Public
Service Commission
JE-2021-0140

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 14

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER RIDER NM

TERMS AND CONDITIONS (continued):

7. If harmonics, voltage fluctuations, or other disruptive problems on the utility's system are directly attributable to the operation of the Customer's system, such program(s) shall be corrected at the Customer's expense.
8. No Customer's generating system shall damage the Company's system or equipment or present an undue hazard to Company personnel.
9. The Company requires an Interconnection Application/Agreement for net metering (see copy below) for conditions related to technical and safety aspects of parallel generation.
10. Service under this schedule is subject to the Company's Rules and Regulations on file with the Missouri Public Service Commission and any subsequently approved and in effect during the term of this service.

DATE OF ISSUE August 17, 2020 DATE EFFECTIVE September 16, 2020 FILED
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

Missouri Public
Service Commission
ER-2019-0374; EN-2021-0038;
YE-2021-0041

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 15

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER
RIDER NM

**INTERCONNECTION APPLICATION /AGREEMENT FOR NET METERING SYSTEMS
WITH CAPACITY OF ONE HUNDRED
KILOWATTS (150 kW) OR LESS**

The Empire District Electric Company
602 South Joplin Avenue
Joplin, Missouri, 64802

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to The Empire District Electric Company's (Empire) electrical system, you should first contact Empire and ask for information related to interconnection of parallel generation equipment to Empire's system and you should understand this information before proceeding with this Application.

If you wish to apply for interconnection to Empire's electrical system, please complete sections A, B, C and D, and attach the plans and specifications, including, but not limited to, describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Empire at the address above. Empire will provide notice of approval or denial within thirty (30) days of receipt by Empire for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by Empire for Customer-Generators of greater than ten kilowatts (10 kW). If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Empire, it shall become a binding contract and shall govern your relationship with Empire.

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Empire for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to Empire's system, the Customer-Generator will furnish Empire a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application. If a local Authority Having Jurisdiction (AHJ) requires permits or certifications for construction or operation of the qualified generation unit, a customer generator must show the permit number and approval certification to Empire prior to interconnection. If the application for interconnection is approved by Empire and the Customer-Generator does not complete the interconnection within one (1) year after receipt of notice of the approval, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

Within 21 days of when the customer-generator completes submission of all required post construction documentation, including sections E & F, other supporting documentation and local AHJ inspection approval (if applicable) to the electric utility, the electric utility will make any inspection of the customer-generators interconnection equipment or system it deems necessary and notify the customer generator:

1. That the net meter has been set and parallel operation by customer-generator is permitted; or
2. That the inspection identified no deficiencies and the net meter installation is pending; or
3. That the inspection identified no deficiencies and the timeframe anticipated for the electric utility to complete all required system or service upgrades and install the meter; or
4. Of all deficiencies identified during the inspection that need to be corrected by the customer-generator before parallel operation will be permitted; or
5. Of any other issue(s), requirement(s), or condition(s), impacting the installation of the net meter or the parallel operation of the system.

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ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 15a

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER
RIDER NM

For Customers Who Are Installing Solar Systems:

Customer-Generators who are Missouri electric utility retail account holders will receive a solar rebate, if available, based on the capacity stated in the application, or the installed capacity of the Customer-Generator System if it is lower, if the following requirements are met:

- a. Empire must have confirmed the Customer-Generator's System is operational; and
- b. Sections H and I of this Application must be completed.

The amount of the rebate will be based on the system capacity measured in direct current. The rebate will be based on the schedule below up to a maximum of 25,000 watts (25kW) for residential customers, and up to a maximum of 150,000 watts (150 kW) for non-residential customers.

- \$2.00 per watt for systems operational on or before June 30, 2014;
- \$1.50 per watt for systems operational between July 1, 2014 and June 30, 2015;
- \$1.00 per watt for systems operational between July 1, 2015 and June 30, 2016;
- \$0.50 per watt for systems operational between July 1, 2016 and June 30, 2019;
- \$0.25 per watt for systems operational between July 1, 2019 and December 31, 2023;
- \$0.00 per watt for systems operational between December 31, 2023.;

For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Empire at the address above. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Empire if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

A. Customer-Generator's Information

Name on Empire's Electric Account: _____
Service/Street Address: _____
City: _____ State: _____ Zip Code: _____
Mailing Address (if different from above): _____
City: _____ State: _____ Zip Code: _____
Email address (if available): _____
Electric Account Holder Contact Person: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Emergency Contact Phone: _____
Empire Account No. (from Utility Bill): _____
If account has multiple meters, provide the meter number to which generation will be connected: _____
Empire's Account No. (from Utility Bill): Shall be inserted at the top of each page.

B. Customer-Generator's System Information

Manufacturer Name Plate Power Rating: _____ kW AC DC (check box)
Voltage: _____ Volts
System Type: Wind Fuel Cell Solar Thermal Photovoltaic Hydroelectric Other (If other describe on line below)

Inverter/Interconnection Equipment Manufacturer: _____
Inverter/Interconnection Equipment Model No.: _____
Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Distance from Meter: _____
Certify that the disconnect switch will be located adjacent to the Customer-Generator's electric service meter or explain where and why an alternative location of disconnect switch is being requested:

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ Volts
Service Character: Single Phase _____ Three Phase _____
Total capacity of existing Customer-Generator System (if applicable): _____ kW

System Plans, Specifications, and Wiring Diagram must be attached for a valid application.

C. Installation Information / Hardware and Installation Compliance

Company Installing System: _____
Contact Person of Company Installing System: _____ Phone Number: _____
Contractor's License No. (if applicable): _____
Approximate Installation Date: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Fax: _____ E-Mail: _____
Person or Agency Who Will Inspect/Certify Installation: _____

The Customer-Generator's proposed System hardware complies with all applicable National Electric Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1703, UL 1741, and IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Empire. The proposed System has a lockable, visible AC disconnect device, accessible at all times to Empire personnel and switch is located adjacent to the Customer-Generator's electric service meter (except in cases where the Company has approved an alternate location). The System is only required to include one lockable, visible disconnect device, accessible to Empire. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement. The Customer-Generator's proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Empire's electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Empire's electrical system is not energized or operating normally.

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Empire’s electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): _____ Date: _____
Name (Print): _____

D. Additional Terms and Conditions

In addition to abiding by Empire’s other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1) Operation / Disconnection

If it appears to Empire, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator ‘s System is adversely affecting safety, power quality or reliability of Empire’s electrical system, Empire may immediately disconnect and lock-out the Customer-Generator’s System from Empire’s electrical system. The Customer-Generator shall permit Empire’s employees and inspector’s reasonable access to inspect, test, and examine the Customer-Generator’s System.

2) Liability

Liability insurance is not required for Customer-Generators of ten kilowatts (10 kW) or less. For generators greater than ten kilowatts (10 kW), the Customer Generator agrees to carry no less than one hundred thousand dollars (\$100,000) of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator’s System. Insurance may be in the form of an existing policy or an endorsement on an existing policy. Customer-Generators, including those whose systems are ten kilowatts (10 kW) or less, may have legal liabilities not covered under their existing insurance policy in the event the Customer-Generator’s negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

3) Metering and Distribution Costs

A Customer-Generator’s facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator’s existing meter equipment does not meet these requirements or if it is necessary for Empire to install additional distribution equipment to accommodate the Customer-Generator’s facility, the Customer-Generator shall reimburse Empire for the costs to purchase and install the necessary additional equipment. At the request of the Customer-Generator, such costs may be initially paid for by Empire, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing cycles. Any subsequent meter testing, maintenance, or meter equipment change necessitated by the Customer-Generator shall be paid for by the Customer-Generator.

4) Ownership of Renewable Energy Credits or Renewable Energy Certificates (RECs)

RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator; however, if the Customer-Generator receives a solar rebate, the Customer-Generator transfers to Empire all right, title, and interest in and to the RECs associated with the new or expanded solar electric system that qualified the Customer-Generator for the solar rebate for a period of ten (10) years from the date the electric utility confirms the solar electric system is installed and operational.

5) Energy Pricing and Billing

The net electric energy delivered to the Customer-Generator shall be billed in accordance with Empire’s Applicable Rate Schedules (Tariff Schedule NM). The value of the net electric energy delivered by the Customer-Generator to Empire shall be credited in accordance with the net metering rate schedule(s) (Tariff Schedule NM). The Customer-Generator shall be responsible for all other bill components charged to similarly situated customers.

Net electrical energy measurement shall be calculated in the following manner:

- (a) For a Customer Generator, a retail electric supplier shall measure the net electrical energy produced or consumed during the billing period in accordance with normal metering practices for customers in the same rate class, either by employing a single, bidirectional meter that measures the amount of electrical energy produced and consumed, or by employing multiple meters that separately measure the Customer-Generator’s consumption and production of electricity;

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P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 16b

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

- (b) If the electricity supplied by the supplier exceeds the electricity generated by the Customer-Generator during a billing period, the Customer-Generator shall be billed for the net electricity supplied by the supplier in accordance with normal practices for customers in the same rate class;
- (c) If the electricity generated by the Customer-Generator exceeds the electricity supplied by the supplier during a billing period, the Customer-Generator shall be billed for the appropriate customer charges as specified by the applicable Customer-Generator rate schedule for that billing period and shall be credited an amount for the excess kilowatt-hours generated during the billing period at the net metering rate identified in Empire's tariff filed at the Public Service Commission, with this credit applied to the following billing period; and
- (d) Any credits granted by this subsection shall expire without any compensation at the earlier of either twelve (12) months after their issuance, or when the Customer-Generator disconnects service or terminates the net metering relationship with the supplier.

6) Terms and Termination Rights

This Agreement becomes effective when signed by both the Customer-Generator and Empire, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Empire at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Empire's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Empire. This agreement may also be terminated by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

7) Transfer of Ownership

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Empire shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over the operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Empire before the existing Customer-Generator System can remain interconnected with Empire's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Consumer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Empire will assess no charges or fees for this transfer. Empire will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Empire will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Empire's electrical system. If any changes are planned to be made in the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Empire a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

8) Dispute Resolution

If any disagreements between the Customer-Generator and Empire arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

DATE OF ISSUE August 17, 2020 DATE EFFECTIVE September 16, 2020
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

FILED
Missouri Public
Service Commission
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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 16c

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. 16c

For ALL TERRITORY

**NET METERING RIDER
RIDER NM**

9) Testing Requirement

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Empire's electrical system. Disconnecting the net metering unit from Empire's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Empire, shall provide a copy of the test results to Empire. If the Customer-Generator is unable to provide a copy of the test results upon request, Empire shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Empire, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Empire's system. If the Customer-Generator does not provide results of a test to Empire within thirty (30) days of receiving a request from Empire or the results of the test provided to Empire show that the Customer-Generator's net metering unit is not functioning correctly, Empire may immediately disconnect the Customer-Generator's System from Empire's system. The Customer-Generator's System shall not be reconnected to Empire's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 9 of this Application/Agreement.

Printed Name (Customer-Generator): _____

Signed (Customer-Generator): _____ Date: _____

Note: Must be name and signature of Empire Account Holder

E. Electrical Inspection

If a local Authority Having Jurisdiction (AHJ) governs permitting/inspection of project:

Authority Having Jurisdiction (AHJ): _____

Permit Number: _____

Applicable to all installations:

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (Print): _____

Inspector Certification: Licensed Engineer in Missouri _____ Licensed Electrician in Missouri _____

License No. _____ Issuing Authority _____

Signed (Inspector): _____ Date: _____

F. Customer-Generator Acknowledgement

I am aware if the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Empire's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Empire's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Empire's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Empire's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Empire no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Empire.

I agree not to operate the Customer-Generator System in parallel with Empire's electrical system until this Application/Agreement has been approved by Empire.

System Installation Date: _____

Printed Name (Customer-Generator): _____

Signed (Customer-Generator): _____ Date: _____

G. Utility Application Approval (completed by The Empire District Electric Company)

Empire does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Empire on this _____ day of _____ (month). _____ (year).

Empire Representative Name (Print): _____

Signed Empire Representative: _____

DATE OF ISSUE August 17, 2020 DATE EFFECTIVE September 16, 2020
ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 16d

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER
RIDER NM

MISSOURI SOLAR ELECTRIC REBATE APPLICATION

H. Solar Rebate (For Solar Installations only)

Solar Module Manufacturer: _____ Inverter Rating: _____ kW

Solar Module Model No: _____ Number of Modules/Panels: _____

Module Rating: _____ DC Watts System rating (sum of solar panels): _____ kW

Module Warranty: _____ years (circle on spec. sheet) Inverter Warranty: _____ years (circle on spec. sheet)

Location of modules: _____ Roof _____ Ground

Installation type: _____ Fixed _____ Ballast

Solar electric system must be permanently installed on the applicant's premises for a valid application.

Required documents to receive solar rebate required to be attached OR provided before Empire authorizes the rebate payment:

- 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
- Completed Taxpayer Information Form

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE August 17, 2020 DATE EFFECTIVE September 16, 2020 FILED

ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 16e

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER RIDER NM

I. Solar Rebate Declaration (For Solar Installations only)

I understand that the complete terms and conditions of the solar rebate program are included in the Company's Rider SR – Solar Rebate tariff.

I understand that this program has 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 that I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from the Company.

I understand that the solar electric system must be permanently installed and remain in place on premises for a minimum of (10) years, and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the system.

I understand the equipment must be new when installed, commercially available, and carry a minimum ten (10) year warranty.

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

- \$2.00 per watt for systems operational on or before June 30, 2014;
- \$1.50 per watt for systems operational between July 1, 2014, and June 30, 2015;
- \$1.00 per watt for systems operational between July 1, 2015, and June 30, 2016;
- \$0.50 per watt for systems operational between July 1, 2016, and June 30, 2019;
- \$0.25 per watt for systems operational between July 1, 2019, and December 31, 2023;
- \$0.00 per watt for systems operational after December 31, 2023.

I understand an electric utility may, through its tariff, require applications for solar rebates to be submitted up to one hundred eighty-two (182) days prior to the applicable June 30 operational date for the solar rebate.

I understand that a maximum of 25 kilowatts of new or expanded system capacity will be eligible for a rebate for residential customers, and a maximum 150 kilowatts of new or expanded system capacity will be eligible for a rebate for non-residential customers.

I understand the DC wattage rating provided by the original manufacturer and as noted in Section H will be used to determine the 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 **for a period of ten (10) years** from the date Empire confirmed that that 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.

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

DATE OF ISSUE August 17, 2020 DATE EFFECTIVE September 16, 2020 FILED

ISSUED BY Sheri Richard, Director Rates and Regulatory Affairs, Joplin, MO

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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 16f

Canceling P.S.C. Mo. No. _____ Sec. _____ Original Sheet No. _____

For ALL TERRITORY

NET METERING RIDER
RIDER NM

Disclaimer: Possible Future Rules and/or Rate Changes
Affecting Your Photovoltaic ("PV") System

1. Your PV system is subject to the Commission's current rates, rules, and regulations. The Missouri Public Service Commission ("Commission") may alter its rules and regulations and/or change rates in the future. If this occurs, your PV system is subject to those changes, and you will be responsible for paying any future increases to electricity rates, charges, or service fees from the Company.
2. The Company's electricity rates, charges, and service fees are determined by the Commission and are subject to change based upon the decisions of the Commission. These future adjustments may positively or negatively impact any potential savings or the value of your PV system.
3. Any future electricity rate projections which may be presented to you are not produced, analyzed, or approved by the Company or the Commission. They are based on projections formulated by external third parties not affiliated with the Company or the Commission.

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 meets all Missouri Net Metering and Solar Electric Rebate program requirements.

Print Name of Applicant

Print Installer's Name

Applicant's Signature

Installer's Signature

If Applicant is a Business, Print Title/Authority of
Person Signing on behalf of Applicant

Date

Date

MUST BE MAILED TO EMPIRE VIA U.S. POSTAL SERVICE, FEDEX OR UPS

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Service Commission
ER-2019-0374; EN-2021-0038;
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Highly CONFIDENTIAL

ATTACHMENT 8:
AFFIDAVIT OF COMPLIANCE WITH 2021
COMPLIANCE PLAN

The Empire District Electric Company
Liberty Utilities
2021 Annual RES Compliance Report
HIGHLY CONFIDENTIAL 20 CSR #240-2.135(4)

On April 15, 2021, The Empire District Electric Company filed a Compliance Plan outlining our plan to comply with the Renewable Energy Standard for the years of 2021-2023.

In accordance with that document, EDE stated that the company would utilize the non-solar generation from a contract with Elk River Windfarm and generation from the Ozark Beach Hydroelectric facility owned by EDE. In order to meet the increased compliance requirement in 2021, EDE also utilized generation from Meridian Way Windfarm. In addition, generation from EDE-owned Kings Point and North Fork Ridge were required to meet the compliance obligation due to NARR registration lag. EDE retired 542,454 vintage 2020 and 2021 RECs from the facilities listed above in order to meet the 2021 non-solar compliance requirements.

EDE retired 40,636 customer generated SRECs for compliance with the solar requirement.

The 2022 RES Compliance Plan states that EDE will continue to utilize non-solar RECs generated by the Ozark Beach facility, the Elk River Wind Farm, and the Meridian Way Windfarm. EDE will utilize solar SRECs from customer-generated sources for solar-sourced compliance. EDE may also use RECs from owned wind or solar generation for compliance in the future.

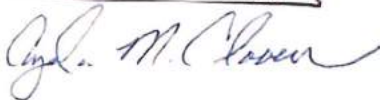
The total costs for meeting the 2021 annual Missouri RES are as follows:

Resource	Cost
Ozark Beach, Kings Point, North Fork Ridge Generation	-0-
Solar Customer Generation Rebates	\$1,112,174
NAR Administration	\$34,539
RRI Calculations, Modeling	\$7,500
Elk River & Meridian Way PPA, Compliance Portion	**\$ **

On this date, 4/4/2022, before me appeared Drew Landoll, to me personally known, who, being by me first duly sworn, states that he is Director, Strategic Projects, of the Empire District Electric Company and acknowledges that he has read the above and foregoing document and believes that the statements therein are true and correct to the best of his information, knowledge and belief.


Drew Landoll

ANGELA M CLOVEN
Notary Public - Notary Seal
State of Missouri
Commissioned for Jasper County
My Commission Expires: November 06, 2023
Commission Number: 15262659



ATTACHMENT 9 and 3: RES RETAIL RATE IMPACT

2022 RES Retail Rate Impact (“RRI”) Filing

The Empire District Electric Company – Liberty Utilities Central (“Liberty-Empire”) intends to file its 2022 Missouri triennial Integrated Resource Plan compliance filing (“2022 IRP”) on April 1, 2022 in File No. EO-2021-0331. The 2022 IRP represents Liberty-Empire’s most recent electric utility resource planning analysis. Pursuant to 20 CSR 4240-22.100 (the “Rule”), Liberty-Empire used the 2022 IRP analysis to develop the assumptions regarding projected renewable energy resource additions.

Liberty-Empire’s 2022 RES RRI analysis contained herein calculates the retail rate impact (“RRI”) on an incremental basis for each planning year based on procurement or development of renewable energy resources averaged over the next ten (10) years. The RES RRI is calculated by subtracting the total retail revenue requirement incorporating an incremental non-renewable generation and purchased power portfolio from the total retail revenue requirement including an incremental RES-compliant generation and purchased power portfolio.

Section 5(B) of the Rule states that the non-renewable generation and purchase power portfolio shall be determined by adding, to the utility’s existing generation and purchased power resource portfolio excluding all renewable resources, additional non-renewable resources sufficient to meet the utility’s needs on a least-cost basis for the next ten (10) years. Consistent with the Rule, Liberty-Empire defined the non-renewable generation and purchased power portfolio (“Plan 1 – No RES”) as the utility’s existing generation and purchased power resource portfolio excluding all renewable resources except those owned or contracted prior to September 30, 2010,¹ plus additional non-renewable resources sufficient to meet the utility’s needs on a least-cost basis for the next ten years. To develop the Plan 1 – No RES portfolio, Liberty-Empire removed the following renewable resources from Liberty-Empire’s existing portfolio:

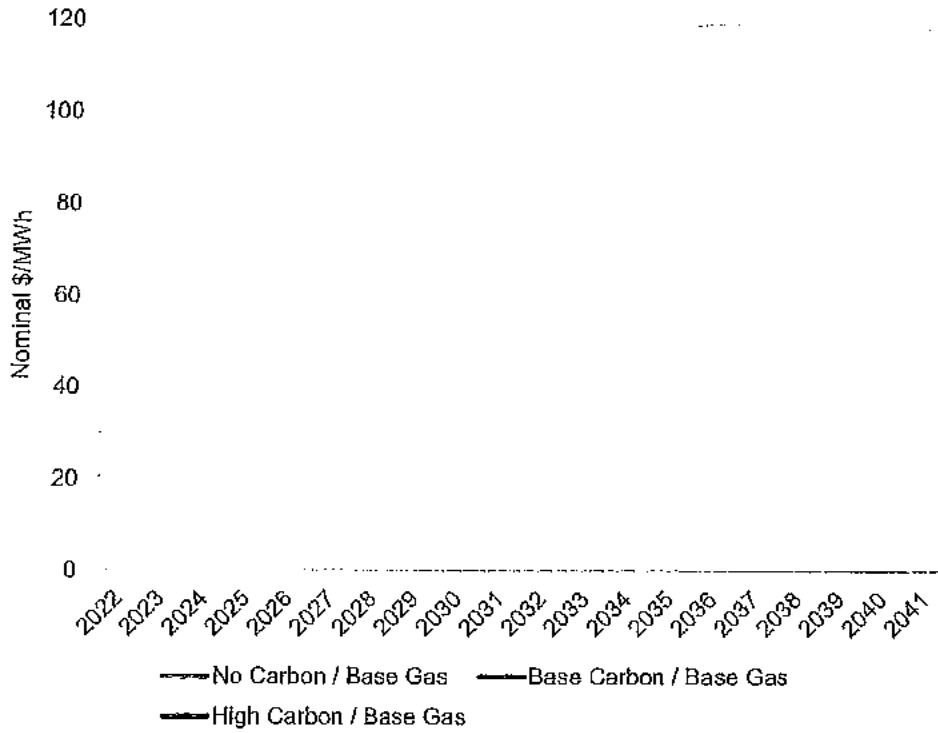
Resource Name	Resource Type	ICAP MW by 2041
Neosho Ridge	Wind	301
North Fork Ridge	Wind	149
Kings Point	Wind	149
Prosperity Solar	Dist. Solar	2.5

To maintain a minimum capacity margin of 12% over the modeling horizon, 60 MW natural gas reciprocating engine (“RICE”) was added in 2022, 30 MW RICE was added in 2025, 180 MW RICE was added in 2035, 30 MW RICE was added in 2037, and 240 MW of a natural gas combustion turbine (“CT”) frame was added in 2039.

Rule 5(B) states that the RES-compliant portfolio shall be determined by adding to the utility’s existing generation and purchased power resource portfolio an amount of least cost renewable resources sufficient to achieve RES requirements and an amount of least-cost non-renewable resources, the combination of which is sufficient to meet the utility’s needs for the next ten (10) years. Because Liberty-Empire’s existing portfolio including all renewable resources already more than achieves RES requirements, Liberty-Empire added to the current existing portfolio a least-cost amount of non-renewable resources (“Plan 1”). To maintain a minimum capacity margin of 12% over the modeling horizon, Plan 1

¹ Pursuant to Rule Section 5(A), because the Ozark Beach hydro facility, the Meridian Way Windfarm PPA and the Elk River Windfarm PPA were all owned or contracted prior to September 30, 2010, they were kept in the non-renewable generation and purchase power portfolio.

Exhibit 2 EDE_EDE Annual Average Power Prices (Nom\$/MWh) CONFIDENTIAL INFORMATION



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adds 30 MW RICE in 2025, 150 MW RICE in 2035, and 240 MW CT Frame. Relative to Plan 1 – No RES, Plan 1 also includes 600 MW wind in 2020-2021 related to the Customer Savings Plan.

Rule Section 5(B)4 states that the assumptions for this filing should utilize the most recent electricity utility resource planning analysis. Liberty-Empire used power market prices, natural gas fuel prices, and emissions prices from its most recent electric utility resource planning analysis assumptions. Consistent with the 2022 IRP, a 20% probability weighting was given to the Low carbon emissions cost scenario and a 40% probability weighting was given to both the Base and High carbon emissions cost scenarios.

Table 1 includes the expected value of costs associated with carbon emissions used in this analysis. Figure 1 includes forecast power prices for the EDE_EDE load node with and without the impact of a carbon tax.

Table 1: Expected Value of Carbon Tax (Nom\$/Short Ton)

	Carbon Tax (\$Nom/Short Ton)			Expected Value
	No Carbon - 20%	Base Carbon - 40%	High Carbon - 40%	
2021	-	-	-	-
2022	-	-	-	-
2023	-	-	*	*
2024	-	-	*	*
2025	-	*	-	*
2026	-	*	-	*
2027	-	*	-	*
2028	-	*	-	*
2029	-	*	-	*
2030	-	*	-	*
2031	-	*	-	*
2032	-	*	-	*
2033	-	*	-	*
2034	-	*	-	*
2035	-	*	-	*
2036	-	*	-	*
2037	-	*	-	*
2038	-	*	-	*
2039	-	*	-	*
2040	-	*	-	*

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Results:

The following table shows the calculation for the average 10-year compliance spend over the 10-year period (2022-2031) as required by Rule 5(B). The RRI Budget is calculated as 1% of the Plan 8 Revenue Requirement. Actual Compliance Spend is calculated as the difference between the PVRRs of Plan 1 – No RES and Plan 1 in each year. The average Actual Compliance Spend for the 10-year period exceeds the budgeted 1% RRI for the 10-year period due to the addition of 600 MW already existing wind related to the Customer Savings Plan in Plan 1 relative to Plan 1 – No RES.

Exhibit 3: 2022-2031 Annual Revenue Requirements and RES Compliance Spend

<i>Dollars in millions</i>	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
RRI Budget (2022-2031)	*										*
Actual Compliance Spend (2022-2031)	*										*
Revenue Requirement (2022-2031)	**										**
Budget (% of RR)	*										*
Actual Compliance Spend (% of RR)	*										*

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The following tables summarize the Retail Rate Impact calculation, including the annual carry-forward amount required by Rule 5(G).

Exhibit 4 2022-2031 RRI Calculation Period

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	10-Year	Cumulative
2022-2031 RRI Calculation Period												
Baseline Revenue Requirement (SRR)												
Annual 1% (SRR)												
Actual Costs of Compliance												
Annual Over (Under)												
Plus Prior Carryover												
Cumulative Carryover												

Exhibit

2022-2032 RRI Calculation Period												
Baseline Revenue Requirement (SRR)												
Annual 1% (SRR)												
Actual Costs of Compliance												
Annual Over (Under)												
Plus Prior Carryover												
Cumulative Carryover												

Exhibit

2024-2033 RRI Calculation Period												
Baseline Revenue Requirement (SRR)												
Annual 1% (SRR)												
Actual Costs of Compliance												
Annual Over (Under)												
Plus Prior Carryover												
Cumulative Carryover												

Exhibit

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2025-2034 RRI Calculation Period

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	10-Year	Cumulative
Baseline Revenue Requirement (\$MM)												
Annual 1% (\$MM)												
Actual Costs of Compliance												
Annual Over (Under)												
Plus Prior Carryover												
Cumulative Carryover												

Exhibit

2026-2035 RRI Calculation Period

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Cumulative
Baseline Revenue Requirement (\$MM)											
Annual 1% (\$MM)											
Actual Costs of Compliance											
Annual Over (Under)											
Plus Prior Carryover											
Cumulative Carryover											

Exhibit

2027-2036 RRI Calculation Period

	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	Cumulative
Baseline Revenue Requirement (\$MM)											
Annual 1% (\$MM)											
Actual Costs of Compliance											
Annual Over (Under)											
Plus Prior Carryover											
Cumulative Carryover											

Exhibit

2028-2037 RRI Calculation Period

	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	Cumulative
Baseline Revenue Requirement (\$MM)											
Annual 1% (\$MM)											
Actual Costs of Compliance											
Annual Over (Under)											
Plus Prior Carryover											
Cumulative Carryover											

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Exhibit 11 2029-2038 RRI Calculation Period

	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038 10-Year	Cumulative
Baseline Revenue Requirement (\$MM)											
Annual 1% (\$MM)											
Actual Costs of Compliance											
Annual Over (Under)											
Plus Prior Carryover											
Cumulative Carryover											

Exhibit 12

	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048 10-Year	Cumulative
Baseline Revenue Requirement (\$MM)											
Annual 1% (\$MM)											
Actual Costs of Compliance											
Annual Over (Under)											
Plus Prior Carryover											
Cumulative Carryover											

Exhibit 13

	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048 10-Year	Cumulative
Baseline Revenue Requirement (\$MM)											
Annual 1% (\$MM)											
Actual Costs of Compliance											
Annual Over (Under)											
Plus Prior Carryover											
Cumulative Carryover											

Portfolio Name

Baseline_1RES

01_Baseline_Centra

Iteration	Scenario		Revenue Requirement Buildup		Year	2022
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC	*	20-Yr NPV			2022
Iteration_1	Construct_BG_BE_BL_BC	*	* Book Depreciation	Pull from Depreciation Section Below	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Total Generation O&M	Pull from O&M Summary Below	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Capital Charge	Pull from below return on rate base	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Taxes	Income Taxes - calculate the same as PERF	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Total Revenue Requirement	Sum of 6, 7, 8, 9	*	
Iteration_1	Construct_BG_BE_BL_BC		Total Portfolio Demand (MWh)		*	
Iteration_1	Construct_BG_BE_BL_BC		Generation Rates (\$/MWh)		*	
Iteration_1	Construct_BG_BE_BL_BC		NPV RR (20-Year)	Net Present Value of All Costs	*	
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC		O&M Summary			
Iteration_1	Construct_BG_BE_BL_BC					2022
Iteration_1	Construct_BG_BE_BL_BC		Total O&M Costs	Sum of below	*	
Iteration_1	Construct_BG_BE_BL_BC		Portfolio Cost Check		Portfolio_Cost_Total	Yes
Iteration_1	Construct_BG_BE_BL_BC		Variable O&M			
Iteration_1	Construct_BG_BE_BL_BC	*	* Total Portfolio Cost	Sum of 25, 26, 29, 30	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Total Owned Cost	Total owned resources costs (no market pi	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Net Market Purchases	Purchases + Sales	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Market Purchases (Energy)	Market purchases cost	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Market Sales (Energy)	Revenues from market sales	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Contract Cost	Cost of contracts	*	
Iteration_1	Construct_BG_BE_BL_BC	-	Contract Sales	Contract Sales		-
Iteration_1	Construct_BG_BE_BL_BC	-	Capacity Shortage Cost	Cost of capacity purchase by scenario & portfoli		-
Iteration_1	Construct_BG_BE_BL_BC	-	Other Fixed Costs			
Iteration_1	Construct_BG_BE_BL_BC	*	* Existing Unit FOM	Fixed O&M associated with existing fleet	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Existing Unit FOM Gas Adder	Firm Gas Delivery Adder	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* Decomissioning	Decomissioning costs		-
Iteration_1	Construct_BG_BE_BL_BC	*	* Non-Generation O&M	T&D Plug	*	
Iteration_1	Construct_BG_BE_BL_BC	*	* New Unit FOM + Adder	Generic FOM Associated with New Builds	*	
Iteration_1	Construct_BG_BE_BL_BC	CCGT	CCGT - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	CT- Frame - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	CT- Aero - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	RICE	RICE - FOM		*	
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - FOM			-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - FOM			-

Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Distributed RICE - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Small Modular Reactor - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Hydrogen CC - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Flow Battery- Long - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Gravity - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	RICE (NO IC) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - FOM	-
Iteration_1	Construct_BG_BE_BL_BC	*	* New Unit Subhourly / Ancillary Revenue	Subhourly and A/S Revenue associated with ne
Iteration_1	Construct_BG_BE_BL_BC	CCGT	CCGT - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	CT- Frame - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	CT- Aero - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	RICE	RICE - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Distributed RICE - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Small Modular Reactor - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Hydrogen CC - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Flow Battery- Long - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Gravity - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	RICE (NO IC) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - SH/AS Rev	-
Iteration_1	Construct_BG_BE_BL_BC	-	Avoided Distribution Revenue	Avoided distribution investment cost (modeled)

Iteration_1	Construct_BG_BE_BL_BC	CCGT	CCGT - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	CT- Frame - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	CT- Aero - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	RICE	RICE - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Distributed RICE - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Small Modular Reactor - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Hydrogen CC - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Flow Battery- Long - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Gravity - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	RICE (NO IC) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - Avoided D Rev	-	
Iteration_1	Construct_BG_BE_BL_BC	Rate Base Calculation			
Iteration_1	Construct_BG_BE_BL_BC			2022	
Iteration_1	Construct_BG_BE_BL_BC		Starting Rate Base		
Iteration_1	Construct_BG_BE_BL_BC	*	* CapEx		
Iteration_1	Construct_BG_BE_BL_BC		New CapEx (Including AFUDC)	Sum of row 153 - 179	
Iteration_1	Construct_BG_BE_BL_BC	CCGT	New CCGT CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	New CT- Frame CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	New CT- Aero CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	RICE	New RICE CapEx	w/ interconnection cost where applicable *	
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx	w/ interconnection cost where applicable	
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	New Distributed RICE CapEx	w/ interconnection cost where applicable	

Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Gravity	New Gravity CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_1	Construct_BG_BE_BL_BC	CCGT	New CCGT CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	New CT- Frame CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	New CT- Aero CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	RICE	New RICE CapEx	CapEx w/ AFUDC	*
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	New Distributed RICE CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Gravity	New Gravity CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC	Ongoing CapEx - Peakers	Ongoing CapEx - Peakers	Pull from Inputs	*
Iteration_1	Construct_BG_BE_BL_BC	Ongoing CapEx - Other Gen and Non Gen	Ongoing CapEx - Other Gen and Non Gen	Pull from Inputs AND add Non-Gen/T&D P	*
Iteration_1	Construct_BG_BE_BL_BC	Transmission Upgrade CapEx	Transmission Upgrade CapEx	Pull from Inputs	
Iteration_1	Construct_BG_BE_BL_BC		Ongoing CapEx - New	Pull from Inputs	*
Iteration_1	Construct_BG_BE_BL_BC	CCGT	Ongoing CapEx CCGT	Generic CapEx	
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	Ongoing CapEx CT- Frame		
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	Ongoing CapEx CT- Aero		

Iteration_1	Construct_BG_BE_BL_BC	RICE	Ongoing CapEx RICE	*	
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	Ongoing CapEx PV- Single-axis Tracking		
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	Ongoing CapEx PV- Fixed Tilt		
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Ongoing CapEx Solar Tracking (NO IC)		-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Ongoing CapEx Utility-scale PV + Storage (4:1)		-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Ongoing CapEx Utility-scale PV + Storage (2:1)		-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Ongoing CapEx Distributed PV + Storage (2:1)		-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Ongoing CapEx Distributed PV (Community)		-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Ongoing CapEx Distributed PV (Residential)		-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Ongoing CapEx Distributed PV (C&I)		-
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Ongoing CapEx Distributed RICE		-
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Ongoing CapEx Small Modular Reactor		-
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	Ongoing CapEx CCS Retrofit on CC		-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Ongoing CapEx Hydrogen Retrofit on CC		-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Ongoing CapEx Hydrogen CC		-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Ongoing CapEx Lithium-Ion (4-hr)		-
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Ongoing CapEx Distributed Lithium-Ion (4-hr)		-
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Ongoing CapEx Flow Battery- Long		-
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Ongoing CapEx Gravity		-
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	Ongoing CapEx RICE (NO IC)		-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Ongoing CapEx Hydrogen Retrofit on CC (NO IC)		-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Ongoing CapEx Utility Scale S+B (2:1) (NO IC)		-
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Ongoing CapEx Utility Scale S+B (4:1) (NO IC)		-
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	Ongoing CapEx 4-Hr Li Storage (NO IC)		-
Iteration_1	Construct_BG_BE_BL_BC	*	* Depreciation - New	New Asset Depreciation, pulled from below	*
Iteration_1	Construct_BG_BE_BL_BC	*	* Change in Deferred Tax Liability	Pulled from deferred tax section below	*
Iteration_1	Construct_BG_BE_BL_BC	*	* Depreciation - Existing	From Below	*
Iteration_1	Construct_BG_BE_BL_BC	*	* Ending Rate Base	Starting Rate Base + CapEx, less depreciati	*
Iteration_1	Construct_BG_BE_BL_BC	*	* Property Taxes	Prop. Tax rate * Rate Base	*
Existing Plant					
Iteration_1	Construct_BG_BE_BL_BC				2022
Iteration_1	Construct_BG_BE_BL_BC		Asbury	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Energy Center 1/2	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Energy Center 3/4	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Riverton 10/11	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Riverton CC	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		State Line 1	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		State Line CC	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Plum Point (Ownership)	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Iatan 1	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Iatan 2	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Ozark Beach 5, 6, 7, and 8	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC		Neosho Ridge Wind - 116	NBV - BOY	
Iteration_1	Construct_BG_BE_BL_BC		Kings Point Wind - 117	NBV - BOY	
Iteration_1	Construct_BG_BE_BL_BC		North Fork Ridge Wind - 118	NBV - BOY	

Iteration_1	Construct_BG_BE_BL_BC	Prosperity Solar - 119	NBV - BOY	
Iteration_1	Construct_BG_BE_BL_BC	Total	NBV - BOY	*
Iteration_1	Construct_BG_BE_BL_BC	Asbury	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Energy Center 1/2	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Energy Center 3/4	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Riverton 10/11	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Riverton CC	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	State Line 1	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	State Line CC	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Plum Point (Ownership)	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	latan 1	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	latan 2	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Ozark Beach 5, 6, 7, and 8	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Neosho Ridge Wind - 116	NBV - EOY	
Iteration_1	Construct_BG_BE_BL_BC	Kings Point Wind - 117	NBV - EOY	
Iteration_1	Construct_BG_BE_BL_BC	North Fork Ridge Wind - 118	NBV - EOY	
Iteration_1	Construct_BG_BE_BL_BC	Prosperity Solar - 119	NBV - EOY	
Iteration_1	Construct_BG_BE_BL_BC	Total	NBV - EOY	*
Iteration_1	Construct_BG_BE_BL_BC	Asbury	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Energy Center 1/2	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Energy Center 3/4	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Riverton 10/11	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Riverton CC	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	State Line 1	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	State Line CC	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Plum Point (Ownership)	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	latan 1	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	latan 2	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Ozark Beach 5, 6, 7, and 8	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	Neosho Ridge Wind - 116	Depreciation	
Iteration_1	Construct_BG_BE_BL_BC	Kings Point Wind - 117	Depreciation	
Iteration_1	Construct_BG_BE_BL_BC	North Fork Ridge Wind - 118	Depreciation	
Iteration_1	Construct_BG_BE_BL_BC	Prosperity Solar - 119	Depreciation	
Iteration_1	Construct_BG_BE_BL_BC	Total	Depreciation	*
Iteration_1	Construct_BG_BE_BL_BC	AFUDC Calc	For New Builds	
Iteration_1	Construct_BG_BE_BL_BC	CCGT	New CCGT Schedule	Check Build schedule
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	New CT- Frame Schedule	
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	New CT- Aero Schedule	
Iteration_1	Construct_BG_BE_BL_BC	RICE	New RICE Schedule	
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking Schedule	
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule	-

Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	New Distributed RICE Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	New Small Modular Reactor Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	New Hydrogen CC Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	New RICE (NO IC) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_1	Construct_BG_BE_BL_BC		New CCGT AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New CT- Frame AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New CT- Aero AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New RICE AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New PV- Single-axis Tracking AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New PV- Fixed Tilt AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Solar Tracking (NO IC) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Utility-scale PV + Storage (4:1) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Utility-scale PV + Storage (2:1) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Distributed PV + Storage (2:1) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Distributed PV (Community) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Distributed PV (Residential) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Distributed PV (C&I) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Distributed RICE AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Small Modular Reactor AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New CCS Retrofit on CC AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Hydrogen Retrofit on CC AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Hydrogen CC AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Distributed Lithium-Ion (4-hr) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New RICE (NO IC) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Hydrogen Retrofit on CC (NO IC) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Utility-scale PV + Storage (2:1) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Utility-scale PV + Storage (4:1) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_1	Construct_BG_BE_BL_BC		Accumulated AFUDC CCGT	-
Iteration_1	Construct_BG_BE_BL_BC		Accumulated AFUDC CT- Frame	-

Check Build schedule, apply rate

Accumulated so when build goes into service it

Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC CT- Aero	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC RICE	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC PV- Single-axis Tracking	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC PV- Fixed Tilt	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Solar Tracking (NO IC)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (4:1)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (2:1)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Distributed PV + Storage (2:1)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Distributed PV (Community)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Distributed PV (Residential)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Distributed PV (C&I)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Distributed RICE	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Small Modular Reactor	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC CCS Retrofit on CC	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Hydrogen Retrofit on CC	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Hydrogen CC	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Distributed Lithium-Ion (4-hr)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC RICE (NO IC)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Hydrogen Retrofit on CC (NO IC)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (2:1)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (4:1)	-
Iteration_1	Construct_BG_BE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-
Iteration_1	Construct_BG_BE_BL_BC	Check	
Iteration_1	Construct_BG_BE_BL_BC	Deferred Tax Calculation	
Iteration_1	Construct_BG_BE_BL_BC		2022
Iteration_1	Construct_BG_BE_BL_BC	Starting Deferred Tax Liability	For Year 1, this will be 0, then add in additional deferred taxes
Iteration_1	Construct_BG_BE_BL_BC	Deferred Tax - New Capital	*
Iteration_1	Construct_BG_BE_BL_BC	Ending Deferred Tax Liability	Sum starting + new *
Iteration_1	Construct_BG_BE_BL_BC		*
Iteration_1	Construct_BG_BE_BL_BC	Book Depreciation - New Capital	From Book Depreciation table below *
Iteration_1	Construct_BG_BE_BL_BC	Tax Depreciation - New Capital	From Tax Depreciation table below *
Iteration_1	Construct_BG_BE_BL_BC	Net (T Less B) New Capital	Tax minus book depreciation *
Iteration_1	Construct_BG_BE_BL_BC	Deferred Tax - New Capital	Difference in income taxes (Net * Income) *
Iteration_1	Construct_BG_BE_BL_BC	Cumulative Deferred Income Taxes - New Capital	Accumulated Deferred-New Capital *
Iteration_1	Construct_BG_BE_BL_BC	Capital Charge Calculation	
Iteration_1	Construct_BG_BE_BL_BC		2022
Iteration_1	Construct_BG_BE_BL_BC	Ending Rate Base	Pull from Row 25 *
Iteration_1	Construct_BG_BE_BL_BC	<i>Cap Structure Calculation</i>	
Iteration_1	Construct_BG_BE_BL_BC	Starting Equity (\$)	Pull from Fin Inputs, then add *
Iteration_1	Construct_BG_BE_BL_BC	Starting Debt (\$)	Pull from Fin Inputs, then add *
Iteration_1	Construct_BG_BE_BL_BC	New CapEx (\$)	*
Iteration_1	Construct_BG_BE_BL_BC	New Equity (\$)	*
Iteration_1	Construct_BG_BE_BL_BC	New Debt (\$)	*

Iteration_1	Construct_BG_BE_BL_BC			Existing Equity Cost	Pull from fin inputs	*
Iteration_1	Construct_BG_BE_BL_BC			Existing Debt Cost	Pull from fin inputs	*
Iteration_1	Construct_BG_BE_BL_BC			New Equity Cost	Pull from fin inputs	*
Iteration_1	Construct_BG_BE_BL_BC			New Debt Cost	Pull from fin inputs	*
Iteration_1	Construct_BG_BE_BL_BC			Return on (WACC)		*
Iteration_1	Construct_BG_BE_BL_BC	*	1,390,558,192	*	Return On Ratebase	*
Iteration_1	Construct_BG_BE_BL_BC	*		*	Equity % Ratebase	*
Iteration_1	Construct_BG_BE_BL_BC	*	1,122,913,410	*	ROE	*
Iteration_1	Construct_BG_BE_BL_BC	*	267,644,781	*	Debt Check	*
Iteration_1	Construct_BG_BE_BL_BC	*	44,480,338,759	*	Total Debt + Total Equity	*
Depreciation Calculation						
Iteration_1	Construct_BG_BE_BL_BC			Book Depreciation Small Modular Reactor	Small Modular Reactor	2022
Iteration_1	Construct_BG_BE_BL_BC			Depreciable CapEx	Annual CapEx from Above	-
Iteration_1	Construct_BG_BE_BL_BC			Depreciation Period	Book life of new capex, from financial input *	<input type="text"/>
Iteration_1	Construct_BG_BE_BL_BC			Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
						Annual CapEx
Iteration_1	Construct_BG_BE_BL_BC					2022
Iteration_1	Construct_BG_BE_BL_BC		40	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC		40	2050	-	-

Iteration_1	Construct_BG_BE_BL_BC	40	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2052	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2053	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2054	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2055	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2056	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2057	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2058	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2059	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2060	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2061	-	-
Annual Book Depreciation					-
					2022
		Tax Depreciation Small Modular Reactor		Small Modular Reactor	
		Tax Schedule		Tax life of new Capex, from financial input: *	
				Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	15	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2049	-	-

Iteration_1	Construct_BG_BE_BL_BC	15	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2052	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2053	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2054	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2055	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2056	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2057	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2058	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2059	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2060	-	-
Iteration_1	Construct_BG_BE_BL_BC	15	2061	-	-

Annual Tax Depreciation

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Book Depreciation Ongoing CapEx - Peakers
Depreciable CapEx

Ongoing CapEx - Peakers
Annual CapEx from Above

*

2022

Depreciation Period
Book Depreciation Calcs

Book life of new capex, from financial input *
If year is >= CapEx year, divide CapEx by book life

Annual CapEx

2022

Iteration_1	Construct_BG_BE_BL_BC	30	2022	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2023	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2024	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2025	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2026	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2027	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2028	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2029	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2030	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2031	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2032	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2033	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2034	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2035	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2036	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2037	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2038	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2039	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2040	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2041	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2042	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2043	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2044	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2045	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2046	*	*

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Iteration_1	Construct_BG_BE_BL_BC	30	2047	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2048	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2049	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2050	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2051	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2052	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2053	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2054	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2055	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2056	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2057	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2058	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2059	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2060	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	30	2061	*	*	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation		*	
Iteration_1	Construct_BG_BE_BL_BC					2022
Iteration_1	Construct_BG_BE_BL_BC		Tax Depreciation Ongoing CapEx - Peakers	Ongoing CapEx - Peakers		
Iteration_1	Construct_BG_BE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input:*		
Iteration_1	Construct_BG_BE_BL_BC					2022
Iteration_1	Construct_BG_BE_BL_BC	15	2022	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2023	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2024	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2025	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2026	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2027	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2028	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2029	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2030	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2031	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2032	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2033	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2034	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2035	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2036	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2037	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2038	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2039	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2040	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2041	*	*	
Iteration_1	Construct_BG_BE_BL_BC	15	2042	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2043	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2044	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2045	*	*	-

Iteration_1	Construct_BG_BE_BL_BC	15	2046	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2047	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2048	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2049	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2050	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	15	2051	*	*	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation	*	*	
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC					
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Ongoing CapEx - Other Gen	Ongoing CapEx - Other Gen and Non Gen		2022
Iteration_1	Construct_BG_BE_BL_BC		Depreciable CapEx	Annual CapEx from Above	*	
Iteration_1	Construct_BG_BE_BL_BC		Depreciation Period	Book life of new capex, from financial inputs		
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life		
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx		2022
Iteration_1	Construct_BG_BE_BL_BC	40	2022	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2023	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2024	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2025	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2026	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2027	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2028	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2029	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2030	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2031	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2032	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2033	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2034	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2035	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2036	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2037	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2038	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2039	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2040	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2041	*	*	
Iteration_1	Construct_BG_BE_BL_BC	40	2042	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2043	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2044	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2045	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2046	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2047	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2048	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2049	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2050	*	*	-
Iteration_1	Construct_BG_BE_BL_BC	40	2051	*	*	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation	*	*	

Iteration_1	Construct_BG_BE_BL_BC	40	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	40	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation		-
Iteration_1	Construct_BG_BE_BL_BC				2022
Iteration_1	Construct_BG_BE_BL_BC		Tax Depreciation Transmission Upgrade CapEx	Transmission Upgrade CapEx	
Iteration_1	Construct_BG_BE_BL_BC		Tax Schedule	Tax life of new Capex, from financial inputs	
Iteration_1	Construct_BG_BE_BL_BC			*	
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	20	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2030	-	-

Iteration_1	Construct_BG_BE_BL_BC	20	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2051	-	-
Annual Tax Depreciation					-
Book Depreciation Gas CC				Gas CC	2022
Depreciable CapEx				Annual CapEx from Above	-
Depreciation Period				Book life of new capex, from financial inpu *	
Book Depreciation Calcs				If year is >= CapEx year, divide CapEx by book life	
				Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2037	-	-

Iteration_1	Construct_BG_BE_BL_BC	30	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation		-
Iteration_1	Construct_BG_BE_BL_BC				2022
Iteration_1	Construct_BG_BE_BL_BC		Tax Depreciation Gas CC	Gas CC	
Iteration_1	Construct_BG_BE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input: *	
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	20	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2046	-	-

Iteration_1	Construct_BG_BE_BL_BC	20	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	20	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation		-
Iteration_1	Construct_BG_BE_BL_BC				
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Gas CT	Gas CT	2022
Iteration_1	Construct_BG_BE_BL_BC		Depreciable CapEx	Annual CapEx from Above *	
Iteration_1	Construct_BG_BE_BL_BC		Depreciation Period	Book life of new capex, from financial inpu *	
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2022	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2035	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2036		-
Iteration_1	Construct_BG_BE_BL_BC	30	2037	*	*
Iteration_1	Construct_BG_BE_BL_BC	30	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation	*	
Iteration_1	Construct_BG_BE_BL_BC				

Iteration_1	Construct_BG_BE_BL_BC	30	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation		-
Iteration_1	Construct_BG_BE_BL_BC				
Iteration_1	Construct_BG_BE_BL_BC				2022
Iteration_1	Construct_BG_BE_BL_BC		Tax Depreciation Battery	Battery	
Iteration_1	Construct_BG_BE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input: *	
Iteration_1	Construct_BG_BE_BL_BC				
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	7	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2031	-	-

Iteration_1	Construct_BG_BE_BL_BC	7	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	7	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation		-
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Renewable	Renewable	2022
Iteration_1	Construct_BG_BE_BL_BC		Depreciable CapEx	Annual CapEx from Above	-
Iteration_1	Construct_BG_BE_BL_BC		Depreciation Period	Book life of new capex, from financial inputs	
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2038	-	-

Iteration_1	Construct_BG_BE_BL_BC	30	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2047	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	30	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation		-
Iteration_1	Construct_BG_BE_BL_BC				2022
Iteration_1	Construct_BG_BE_BL_BC		Tax Depreciation Renewable	Renewable	
Iteration_1	Construct_BG_BE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input:*	
Iteration_1	Construct_BG_BE_BL_BC			Annual CapEx	2022
Iteration_1	Construct_BG_BE_BL_BC	5	2022	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2023	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2024	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2025	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2026	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2027	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2028	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2029	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2030	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2031	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2032	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2033	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2034	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2035	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2036	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2037	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2038	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2039	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2040	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2041	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2042	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2043	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2044	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2045	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2046	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2047	-	-

Iteration_1	Construct_BG_BE_BL_BC	5	2048	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2049	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2050	-	-
Iteration_1	Construct_BG_BE_BL_BC	5	2051	-	-
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation		-

Iteration		Scenario	Portfolio Name	Baseline_1RES	01_Baseline_Centra
Revenue Requirement Buildup					
Iteration_2	Construct_BG_LE_BL_BC			Year	2022
Revenue Requirement Calc					
Iteration_2	Construct_BG_LE_BL_BC	20-Yr NPV			2022
Iteration_2	Construct_BG_LE_BL_BC	811,917,949	Book Depreciation	Pull from Depreciation Section Below	*
Iteration_2	Construct_BG_LE_BL_BC	4,409,130,280	Total Generation O&M	Pull from O&M Summary Below	*
Iteration_2	Construct_BG_LE_BL_BC	1,390,558,192	Capital Charge	Pull from below return on rate base	*
Iteration_2	Construct_BG_LE_BL_BC	546,206,528	Taxes	Income Taxes - calculate the same as PERF	*
Iteration_2	Construct_BG_LE_BL_BC	7,157,812,948	Total Revenue Requirement	Sum of 6, 7, 8, 9	*
Iteration_2	Construct_BG_LE_BL_BC		Total Portfolio Demand (MWh)		*
Iteration_2	Construct_BG_LE_BL_BC		Generation Rates (\$/MWh)		*
Iteration_2	Construct_BG_LE_BL_BC		NPV RR (20-Year)	Net Present Value of All Costs	*
Iteration_2	Construct_BG_LE_BL_BC				*
O&M Summary					
Iteration_2	Construct_BG_LE_BL_BC		Total O&M Costs	Sum of below	*
Iteration_2	Construct_BG_LE_BL_BC		Portfolio Cost Check	Portfolio_Cost_Total	*
Iteration_2	Construct_BG_LE_BL_BC	20-Yr NPV	Variable O&M		*
Iteration_2	Construct_BG_LE_BL_BC	*	* Total Portfolio Cost	Sum of 25, 26, 29, 30	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Total Owned Cost	Total owned resources costs (no market pi	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Net Market Purchases	Purchases + Sales	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Market Purchases (Energy)	Market purchases cost	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Market Sales (Energy)	Revenues from market sales	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Contract Cost	Cost of contracts	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Contract Sales	Contract Sales	*
Iteration_2	Construct_BG_LE_BL_BC		Capacity Shortage Cost	Cost of capacity purchase by scenario & pc	*
Iteration_2	Construct_BG_LE_BL_BC		Other Fixed Costs		*
Iteration_2	Construct_BG_LE_BL_BC	*	* Existing Unit FOM	Fixed O&M associated with existing fleet	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Existing Unit FOM Gas Adder	Firm Gas Delivery Adder	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Decomissioning	Decomissioning costs	*
Iteration_2	Construct_BG_LE_BL_BC	*	* Non-Generation O&M	T&D Plug	*
Iteration_2	Construct_BG_LE_BL_BC	*	* New Unit FOM + Adder	Generic FOM Associated with New Builds	*
Iteration_2	Construct_BG_LE_BL_BC		CCGT - FOM		*
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame	CT- Frame - FOM		*
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero	CT- Aero - FOM		*
Iteration_2	Construct_BG_LE_BL_BC	RICE	RICE - FOM		*

Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - FOM	
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE	Distributed RICE - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor	Small Modular Reactor - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC	Hydrogen CC - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Flow Battery- Long	Flow Battery- Long - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Gravity	Gravity - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)	RICE (NO IC) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - FOM	-
Iteration_2	Construct_BG_LE_BL_BC		New Unit Subhourly / Ancillary Revenue	Subhourly and A/S Revenue associated with ne
Iteration_2	Construct_BG_LE_BL_BC	CCGT	CCGT - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame	CT- Frame - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero	CT- Aero - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	RICE	RICE - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE	Distributed RICE - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor	Small Modular Reactor - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC	Hydrogen CC - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Flow Battery- Long	Flow Battery- Long - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Gravity	Gravity - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)	RICE (NO IC) - SH/AS Rev	-

Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)		Hydrogen Retrofit on CC (NO IC) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)		Utility Scale S+B (2:1) (NO IC) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)		Utility Scale S+B (4:1) (NO IC) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)		4-Hr Li Storage (NO IC) - SH/AS Rev	-
Iteration_2	Construct_BG_LE_BL_BC		-	Avoided Distribution Revenue	Avoided distribution investment cost (modeler)
Iteration_2	Construct_BG_LE_BL_BC	CCGT		CCGT - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame		CT- Frame - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero		CT- Aero - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	RICE		RICE - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking		PV- Single-axis Tracking - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt		PV- Fixed Tilt - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)		Solar Tracking (NO IC) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)		Utility-scale PV + Storage (4:1) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)		Utility-scale PV + Storage (2:1) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)		Distributed PV + Storage (2:1) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)		Distributed PV (Community) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)		Distributed PV (Residential) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)		Distributed PV (C&I) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE		Distributed RICE - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor		Small Modular Reactor - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC		CCS Retrofit on CC - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC		Hydrogen Retrofit on CC - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC		Hydrogen CC - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)		Lithium-Ion (4-hr) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)		Distributed Lithium-Ion (4-hr) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Flow Battery- Long		Flow Battery- Long - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Gravity		Gravity - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)		RICE (NO IC) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)		Hydrogen Retrofit on CC (NO IC) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)		Utility Scale S+B (2:1) (NO IC) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)		Utility Scale S+B (4:1) (NO IC) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)		4-Hr Li Storage (NO IC) - Avoided D Rev	-
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC			Rate Base Calculation	
Iteration_2	Construct_BG_LE_BL_BC				2022
Iteration_2	Construct_BG_LE_BL_BC			Starting Rate Base	Year 1 from below, changes over time *
Iteration_2	Construct_BG_LE_BL_BC		2,159,503,078	CapEx	Sum of new build capex and new ongoing i *
Iteration_2	Construct_BG_LE_BL_BC			New CapEx (Including AFUDC)	Sum of row 153 - 179 *
Iteration_2	Construct_BG_LE_BL_BC	CCGT		New CCGT CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame		New CT- Frame CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero		New CT- Aero CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	RICE		New RICE CapEx	w/ interconnection cost where applicable *
Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking		New PV- Single-axis Tracking CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt		New PV- Fixed Tilt CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)		New Solar Tracking (NO IC) CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)		New Utility-scale PV + Storage (4:1) CapEx	w/ interconnection cost where applicable
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)		New Utility-scale PV + Storage (2:1) CapEx	w/ interconnection cost where applicable

Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE	New Distributed RICE CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Gravity	New Gravity CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx w/ interconnection cost where applicable	-
Iteration_2	Construct_BG_LE_BL_BC	CCGT	New CCGT CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame	New CT- Frame CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero	New CT- Aero CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	RICE	New RICE CapEx	CapEx w/ AFUDC *
Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE	New Distributed RICE CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Gravity	New Gravity CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx	CapEx w/ AFUDC
Iteration_2	Construct_BG_LE_BL_BC	Ongoing CapEx - Peakers	Ongoing CapEx - Peakers	*
Iteration_2	Construct_BG_LE_BL_BC	Ongoing CapEx - Other Gen and Non Gen	Ongoing CapEx - Other Gen and Non Gen	Pull from Inputs AND add Non-Gen/T&D P *

Iteration_2	Construct_BG_LE_BL_BC	Transmission Upgrade CapEx		Transmission Upgrade CapEx	Pull from Inputs	
Iteration_2	Construct_BG_LE_BL_BC			Ongoing CapEx - New	Pull from Inputs	*
Iteration_2	Construct_BG_LE_BL_BC	CCGT		Ongoing CapEx CCGT	Generic CapEx	
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame		Ongoing CapEx CT- Frame		
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero		Ongoing CapEx CT- Aero		
Iteration_2	Construct_BG_LE_BL_BC	RICE		Ongoing CapEx RICE		*
Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking		Ongoing CapEx PV- Single-axis Tracking		-
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt		Ongoing CapEx PV- Fixed Tilt		-
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)		Ongoing CapEx Solar Tracking (NO IC)		-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)		Ongoing CapEx Utility-scale PV + Storage (4:1)		-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)		Ongoing CapEx Utility-scale PV + Storage (2:1)		-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)		Ongoing CapEx Distributed PV + Storage (2:1)		-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)		Ongoing CapEx Distributed PV (Community)		-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)		Ongoing CapEx Distributed PV (Residential)		-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)		Ongoing CapEx Distributed PV (C&I)		-
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE		Ongoing CapEx Distributed RICE		-
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor		Ongoing CapEx Small Modular Reactor		-
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC		Ongoing CapEx CCS Retrofit on CC		-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC		Ongoing CapEx Hydrogen Retrofit on CC		-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC		Ongoing CapEx Hydrogen CC		-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)		Ongoing CapEx Lithium-Ion (4-hr)		-
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)		Ongoing CapEx Distributed Lithium-Ion (4-hr)		-
Iteration_2	Construct_BG_LE_BL_BC	Flow Battery- Long		Ongoing CapEx Flow Battery- Long		-
Iteration_2	Construct_BG_LE_BL_BC	Gravity		Ongoing CapEx Gravity		-
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)		Ongoing CapEx RICE (NO IC)		-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)		Ongoing CapEx Hydrogen Retrofit on CC (NO IC)		-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)		Ongoing CapEx Utility Scale S+B (2:1) (NO IC)		-
Iteration_2	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)		Ongoing CapEx Utility Scale S+B (4:1) (NO IC)		-
Iteration_2	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)		Ongoing CapEx 4-Hr Li Storage (NO IC)		-
Iteration_2	Construct_BG_LE_BL_BC		467,893,768	Depreciation - New	New Asset Depreciation, pulled from below	*
Iteration_2	Construct_BG_LE_BL_BC		118,801,131	Change in Deferred Tax Liability	Pulled from deferred tax section below	*
Iteration_2	Construct_BG_LE_BL_BC		344,024,181	Depreciation - Existing	From Below	*
Iteration_2	Construct_BG_LE_BL_BC		21,822,273,592	Ending Rate Base	Starting Rate Base + CapEx, less depreciati	*
Iteration_2	Construct_BG_LE_BL_BC		194,706,322	Property Taxes	Prop. Tax rate * Rate Base	*
Iteration_2	Construct_BG_LE_BL_BC					*
Iteration_2	Construct_BG_LE_BL_BC			Existing Plant		*
Iteration_2	Construct_BG_LE_BL_BC					2022
Iteration_2	Construct_BG_LE_BL_BC			Asbury	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			Energy Center 1/2	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			Energy Center 3/4	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			Riverton 10/11	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			Riverton CC	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			State Line 1	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			State Line CC	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			Plum Point (Ownership)	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC			Iatan 1	NBV - BOY	*

Iteration_2	Construct_BG_LE_BL_BC	latan 2	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	Ozark Beach 5, 6, 7, and 8	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	Neosho Ridge Wind - 116	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	Kings Point Wind - 117	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	North Fork Ridge Wind - 118	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	Prosperity Solar - 119	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	Total	NBV - BOY	*
Iteration_2	Construct_BG_LE_BL_BC	Asbury	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Energy Center 1/2	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Energy Center 3/4	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Riverton 10/11	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Riverton CC	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	State Line 1	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	State Line CC	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Plum Point (Ownership)	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	latan 1	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	latan 2	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Ozark Beach 5, 6, 7, and 8	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Neosho Ridge Wind - 116	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Kings Point Wind - 117	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	North Fork Ridge Wind - 118	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Prosperity Solar - 119	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Total	NBV - EOY	*
Iteration_2	Construct_BG_LE_BL_BC	Asbury	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Energy Center 1/2	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Energy Center 3/4	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Riverton 10/11	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Riverton CC	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	State Line 1	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	State Line CC	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Plum Point (Ownership)	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	latan 1	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	latan 2	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Ozark Beach 5, 6, 7, and 8	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Neosho Ridge Wind - 116	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Kings Point Wind - 117	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	North Fork Ridge Wind - 118	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Prosperity Solar - 119	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Total	Depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	AFUDC Calc	For New Builds	
Iteration_2	Construct_BG_LE_BL_BC	CCGT	New CCGT Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	CT- Frame	New CT- Frame Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	CT- Aero	New CT- Aero Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	RICE	New RICE Schedule	-

Iteration_2	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed RICE	New Distributed RICE Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Small Modular Reactor	New Small Modular Reactor Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen CC	New Hydrogen CC Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	RICE (NO IC)	New RICE (NO IC) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_2	Construct_BG_LE_BL_BC		New CCGT AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New CT- Frame AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New CT- Aero AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New RICE AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New PV- Single-axis Tracking AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New PV- Fixed Tilt AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Solar Tracking (NO IC) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Utility-scale PV + Storage (4:1) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Utility-scale PV + Storage (2:1) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Distributed PV + Storage (2:1) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Distributed PV (Community) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Distributed PV (Residential) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Distributed PV (C&I) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Distributed RICE AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Small Modular Reactor AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New CCS Retrofit on CC AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Hydrogen Retrofit on CC AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Hydrogen CC AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Distributed Lithium-Ion (4-hr) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New RICE (NO IC) AFUDC	-
Iteration_2	Construct_BG_LE_BL_BC		New Hydrogen Retrofit on CC (NO IC) AFUDC	-

Check Build schedule, apply rate

Iteration_2	Construct_BG_LE_BL_BC	New Utility-scale PV + Storage (2:1) AFUDC	-	
Iteration_2	Construct_BG_LE_BL_BC	New Utility-scale PV + Storage (4:1) AFUDC	-	
Iteration_2	Construct_BG_LE_BL_BC	New Lithium-Ion (4-hr) AFUDC	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC CCGT	-	Accumulated so when build goes into service it
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC CT- Frame	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC CT- Aero	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC RICE	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC PV- Single-axis Tracking	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC PV- Fixed Tilt	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Solar Tracking (NO IC)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (4:1)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (2:1)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Distributed PV + Storage (2:1)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Distributed PV (Community)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Distributed PV (Residential)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Distributed PV (C&I)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Distributed RICE	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Small Modular Reactor	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC CCS Retrofit on CC	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Hydrogen Retrofit on CC	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Hydrogen CC	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Distributed Lithium-Ion (4-hr)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC RICE (NO IC)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Hydrogen Retrofit on CC (NO IC)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (2:1)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Utility-scale PV + Storage (4:1)	-	
Iteration_2	Construct_BG_LE_BL_BC	Accumulated AFUDC Lithium-Ion (4-hr)	-	
Iteration_2	Construct_BG_LE_BL_BC	Check	-	
Deferred Tax Calculation				
Iteration_2	Construct_BG_LE_BL_BC			2022
Iteration_2	Construct_BG_LE_BL_BC	Starting Deferred Tax Liability	For Year 1, this will be 0, then add in additional deferred taxes	
Iteration_2	Construct_BG_LE_BL_BC	Deferred Tax - New Capital	*	
Iteration_2	Construct_BG_LE_BL_BC	Ending Deferred Tax Liability	Sum starting + new	
Iteration_2	Construct_BG_LE_BL_BC		*	
Iteration_2	Construct_BG_LE_BL_BC	Book Depreciation - New Capital	From Book Depreciation table below	*
Iteration_2	Construct_BG_LE_BL_BC	Tax Depreciation - New Capital	From Tax Depreciation table below	*
Iteration_2	Construct_BG_LE_BL_BC	Net (T Less B) New Capital	Tax minus book depreciation	*
Iteration_2	Construct_BG_LE_BL_BC	Deferred Tax - New Capital	Difference in income taxes (Net * Income	*
Iteration_2	Construct_BG_LE_BL_BC	Cumulative Deferred Income Taxes - New Capital	Accumulated Deferred-New Capital	*
Capital Charge Calculation				
Iteration_2	Construct_BG_LE_BL_BC			2022
Iteration_2	Construct_BG_LE_BL_BC	Ending Rate Base	Pull from Row 25	*
Iteration_2	Construct_BG_LE_BL_BC	Cap Structure Calculation	*	

Iteration_2	Construct_BG_LE_BL_BC		Starting Equity (\$)	Pull from Fin Inputs, then add	*	
Iteration_2	Construct_BG_LE_BL_BC		Starting Debt (\$)	Pull from Fin Inputs, then add	*	
Iteration_2	Construct_BG_LE_BL_BC		New CapEx (\$)		*	
Iteration_2	Construct_BG_LE_BL_BC		New Equity (\$)		*	
Iteration_2	Construct_BG_LE_BL_BC		New Debt (\$)		*	
Iteration_2	Construct_BG_LE_BL_BC		Existing Equity Cost	Pull from fin inputs	*	
Iteration_2	Construct_BG_LE_BL_BC		Existing Debt Cost	Pull from fin inputs	*	
Iteration_2	Construct_BG_LE_BL_BC		New Equity Cost	Pull from fin inputs	*	
Iteration_2	Construct_BG_LE_BL_BC		New Debt Cost	Pull from fin inputs	*	
Iteration_2	Construct_BG_LE_BL_BC		Return on (WACC)		*	
Iteration_2	Construct_BG_LE_BL_BC	1,390,558,192	Return On Ratebase		*	
Iteration_2	Construct_BG_LE_BL_BC		Equity % Ratebase		*	
Iteration_2	Construct_BG_LE_BL_BC	1,122,913,410	ROE		*	
Iteration_2	Construct_BG_LE_BL_BC	267,644,781	Debt Check		*	
Iteration_2	Construct_BG_LE_BL_BC	44,480,338,759	Total Debt + Total Equity		*	
Iteration_2	Construct_BG_LE_BL_BC		Depreciation Calculation		*	
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Small Modular Reactor	Small Modular Reactor		2022
Iteration_2	Construct_BG_LE_BL_BC		Depreciable CapEx	Annual CapEx from Above		-
Iteration_2	Construct_BG_LE_BL_BC		Depreciation Period	Book life of new capex, from financial input *		
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life		
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx		2022
Iteration_2	Construct_BG_LE_BL_BC	40	2022	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2023	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2024	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2025	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2026	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2027	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2028	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2029	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2030	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2031	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2032	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2033	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2034	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2035	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2036	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2037	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2038	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2039	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2040	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2041	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2042	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2043	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2044	-		-
Iteration_2	Construct_BG_LE_BL_BC	40	2045	-		-

Iteration_2	Construct_BG_LE_BL_BC	40	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2052	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2053	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2054	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2055	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2056	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2057	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2058	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2059	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2060	-	-
Iteration_2	Construct_BG_LE_BL_BC	40	2061	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Book Depreciation		-
Iteration_2	Construct_BG_LE_BL_BC				2022
Iteration_2	Construct_BG_LE_BL_BC		Tax Depreciation Small Modular Reactor	Small Modular Reactor	
Iteration_2	Construct_BG_LE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input: *	
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	15	2022	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2044	-	-

Iteration_2	Construct_BG_LE_BL_BC	15	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2052	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2053	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2054	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2055	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2056	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2057	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2058	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2059	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2060	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2061	-	-

Annual Tax Depreciation

Iteration_2	Construct_BG_LE_BL_BC				-
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Book Depreciation Ongoing CapEx - Peakers Ongoing CapEx - Peakers 2022
 Depreciable CapEx Annual CapEx from Above *

Depreciation Period Book life of new capex, from financial input *
 Book Depreciation Calcs If year is >= CapEx year, divide CapEx by book life

				Annual CapEx		2022
Iteration_2	Construct_BG_LE_BL_BC	30	2022	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2023	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2024	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2025	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2026	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2027	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2028	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2029	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2030	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2031	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2032	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2033	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2034	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2035	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2036	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2037	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2038	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2039	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2040	*	*	
Iteration_2	Construct_BG_LE_BL_BC	30	2041	*	*	

Iteration_2	Construct_BG_LE_BL_BC	30	2042	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2043	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2044	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2045	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2046	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2047	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2048	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2049	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2050	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2051	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2052	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2053	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2054	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2055	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2056	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2057	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2058	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2059	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2060	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2061	*	*
Iteration_2	Construct_BG_LE_BL_BC		Annual Book Depreciation		*
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC				2022
Iteration_2	Construct_BG_LE_BL_BC		Tax Depreciation Ongoing CapEx - Peakers	Ongoing CapEx - Peakers	
Iteration_2	Construct_BG_LE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input: *	<input type="text"/>
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	15	2022	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2023	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2024	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2025	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2026	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2027	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2028	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2029	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2030	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2031	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2032	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2033	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2034	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2035	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2036	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2037	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2038	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2039	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2040	*	*

Iteration_2	Construct_BG_LE_BL_BC	15	2041	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2042	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2043	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2044	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2045	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2046	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2047	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2048	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2049	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2050	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2051	*	*
Iteration_2	Construct_BG_LE_BL_BC		Annual Tax Depreciation		*
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Ongoing CapEx - Other Gen	Ongoing CapEx - Other Gen and Non Gen	2022
Iteration_2	Construct_BG_LE_BL_BC		Depreciable CapEx	Annual CapEx from Above	*
Iteration_2	Construct_BG_LE_BL_BC		Depreciation Period	Book life of new capex, from financial inputs	
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	40	2022	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2023	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2024	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2025	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2026	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2027	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2028	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2029	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2030	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2031	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2032	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2033	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2034	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2035	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2036	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2037	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2038	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2039	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2040	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2041	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2042	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2043	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2044	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2045	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2046	*	*
Iteration_2	Construct_BG_LE_BL_BC	40	2047	*	*
Iteration_2	Construct_BG_LE_BL_BC				-
Iteration_2	Construct_BG_LE_BL_BC				-
Iteration_2	Construct_BG_LE_BL_BC				-
Iteration_2	Construct_BG_LE_BL_BC				-
Iteration_2	Construct_BG_LE_BL_BC				-

Iteration_2	Construct_BG_LE_BL_BC	40	2048	*	*	-
Iteration_2	Construct_BG_LE_BL_BC	40	2049	*	*	-
Iteration_2	Construct_BG_LE_BL_BC	40	2050	*	*	-
Iteration_2	Construct_BG_LE_BL_BC	40	2051	*	*	-
Annual Book Depreciation						*
						2022
Tax Depreciation Ongoing CapEx - Other Gen and Non Gen						
			Tax Schedule	Ongoing CapEx - Other Gen and Non Gen		*
						2022
Annual CapEx						2022
Iteration_2	Construct_BG_LE_BL_BC	20	2022	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2023	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2024	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2025	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2026	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2027	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2028	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2029	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2030	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2031	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2032	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2033	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2034	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2035	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2036	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2037	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2038	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2039	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2040	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2041	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2042	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2043	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2044	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2045	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2046	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2047	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2048	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2049	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2050	*	*	
Iteration_2	Construct_BG_LE_BL_BC	20	2051	*	*	
Annual Tax Depreciation						*
						2022
Book Depreciation Transmission Upgrade CapEx						2022
Depreciable CapEx						-
Transmission Upgrade CapEx						2022
Annual CapEx from Above						-

Iteration_2	Construct_BG_LE_BL_BC	20	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Tax Depreciation		-
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Gas CC	Gas CC	2022
Iteration_2	Construct_BG_LE_BL_BC		Depreciable CapEx	Annual CapEx from Above	-
Iteration_2	Construct_BG_LE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	30	2022	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2032	-	-

Iteration_2	Construct_BG_LE_BL_BC	30	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2051	-	-

Annual Book Depreciation

-

2022

Tax Depreciation Gas CC
Tax Schedule

Gas CC
Tax life of new Capex, from financial input: *

Annual CapEx

2022

Iteration_2	Construct_BG_LE_BL_BC	20	2022	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2041	-	-

Iteration_2	Construct_BG_LE_BL_BC	20	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	20	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Tax Depreciation		-
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Gas CT	Gas CT	2022
Iteration_2	Construct_BG_LE_BL_BC		Depreciable CapEx	Annual CapEx from Above *	
Iteration_2	Construct_BG_LE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	30	2022	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2035	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2037	*	*
Iteration_2	Construct_BG_LE_BL_BC	30	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2048	-	-

Iteration_2	Construct_BG_LE_BL_BC	30	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Book Depreciation	*	
Iteration_2	Construct_BG_LE_BL_BC				2022
Iteration_2	Construct_BG_LE_BL_BC		Tax Depreciation Gas CT		
Iteration_2	Construct_BG_LE_BL_BC		Tax Schedule		Gas CT
Iteration_2	Construct_BG_LE_BL_BC				Tax life of new Capex, from financial input: *
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC				Annual CapEx
Iteration_2	Construct_BG_LE_BL_BC	15	2022	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2035	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2036		
Iteration_2	Construct_BG_LE_BL_BC	15	2037	*	*
Iteration_2	Construct_BG_LE_BL_BC	15	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	15	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Tax Depreciation	*	
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Battery		2022
Iteration_2	Construct_BG_LE_BL_BC		Depreciable CapEx		Battery Annual CapEx from Above
Iteration_2	Construct_BG_LE_BL_BC				-

Iteration_2	Construct_BG_LE_BL_BC	7	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	7	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Tax Depreciation		-
Iteration_2	Construct_BG_LE_BL_BC				
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Renewable	Renewable	2022
Iteration_2	Construct_BG_LE_BL_BC		Depreciable CapEx	Annual CapEx from Above	-
Iteration_2	Construct_BG_LE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_2	Construct_BG_LE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	30	2022	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2033	-	-

Iteration_2	Construct_BG_LE_BL_BC	30	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2042	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	30	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Book Depreciation		-
Iteration_2	Construct_BG_LE_BL_BC				2022
Iteration_2	Construct_BG_LE_BL_BC		Tax Depreciation Renewable	Renewable	
Iteration_2	Construct_BG_LE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input:*	
Iteration_2	Construct_BG_LE_BL_BC			Annual CapEx	2022
Iteration_2	Construct_BG_LE_BL_BC	5	2022	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2023	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2024	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2025	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2026	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2027	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2028	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2029	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2030	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2031	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2032	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2033	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2034	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2035	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2036	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2037	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2038	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2039	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2040	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2041	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2042	-	-

Iteration_2	Construct_BG_LE_BL_BC	5	2043	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2044	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2045	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2046	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2047	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2048	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2049	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2050	-	-
Iteration_2	Construct_BG_LE_BL_BC	5	2051	-	-
Iteration_2	Construct_BG_LE_BL_BC		Annual Tax Depreciation		-

	Portfolio Name	Baseline_1RES	01_Baseline_Centra
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Iteration	Scenario	Revenue Requirement Buildup	
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Iteration_3	Construct_BG_HE_BL_BC		Year	2022
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		Revenue Requirement Calc	
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Iteration_3	Construct_BG_HE_BL_BC	20-Yr NPV		2022
Iteration_3	Construct_BG_HE_BL_BC	811,917,949	Book Depreciation	Pull from Depreciation Section Below *
Iteration_3	Construct_BG_HE_BL_BC	5,414,224,533	Total Generation O&M	Pull from O&M Summary Below *
Iteration_3	Construct_BG_HE_BL_BC	1,390,558,192	Capital Charge	Pull from below return on rate base *
Iteration_3	Construct_BG_HE_BL_BC	546,206,528	Taxes	Income Taxes - calculate the same as PERF *
Iteration_3	Construct_BG_HE_BL_BC	8,162,907,201	Total Revenue Requirement	Sum of 6, 7, 8, 9 *
Iteration_3	Construct_BG_HE_BL_BC		Total Portfolio Demand (MWh)	*
Iteration_3	Construct_BG_HE_BL_BC		Generation Rates (\$/MWh)	*
Iteration_3	Construct_BG_HE_BL_BC		NPV RR (20-Year)	Net Present Value of All Costs *

		O&M Summary	
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Iteration_3	Construct_BG_HE_BL_BC		Total O&M Costs	Sum of below *
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Iteration_3	Construct_BG_HE_BL_BC		Portfolio Cost Check	Portfolio_Cost_Total *	Yes
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Iteration_3	Construct_BG_HE_BL_BC	20-Yr NPV	Variable O&M	*
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Iteration_3	Construct_BG_HE_BL_BC	*	* Total Portfolio Cost	Sum of 25, 26, 29, 30 *
Iteration_3	Construct_BG_HE_BL_BC	*	* Total Owned Cost	Total owned resources costs (no market pi *
Iteration_3	Construct_BG_HE_BL_BC	*	* Net Market Purchases	Purchases + Sales *
Iteration_3	Construct_BG_HE_BL_BC	*	* Market Purchases (Energy)	Market purchases cost *
Iteration_3	Construct_BG_HE_BL_BC	*	* Market Sales (Energy)	Revenues from market sales *
Iteration_3	Construct_BG_HE_BL_BC	*	* Contract Cost	Cost of contracts *
Iteration_3	Construct_BG_HE_BL_BC	*	* Contract Sales	Contract Sales *

Iteration_3	Construct_BG_HE_BL_BC		Capacity Shortage Cost	Cost of capacity purchase by scenario & pc *
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Iteration_3	Construct_BG_HE_BL_BC	*	Other Fixed Costs	*
Iteration_3	Construct_BG_HE_BL_BC	*	* Existing Unit FOM	Fixed O&M associated with existing fleet *
Iteration_3	Construct_BG_HE_BL_BC	*	* Existing Unit FOM Gas Adder	Firm Gas Delivery Adder *
Iteration_3	Construct_BG_HE_BL_BC	*	* Decomissioning	Decomissioning costs *
Iteration_3	Construct_BG_HE_BL_BC	*	* Non-Generation O&M	T&D Plug *

Iteration_3	Construct_BG_HE_BL_BC	*		* New Unit FOM + Adder	Generic FOM Associated with New Builds *
Iteration_3	Construct_BG_HE_BL_BC		CCGT	CCGT - FOM	*
Iteration_3	Construct_BG_HE_BL_BC		CT- Frame	CT- Frame - FOM	*
Iteration_3	Construct_BG_HE_BL_BC		CT- Aero	CT- Aero - FOM	*
Iteration_3	Construct_BG_HE_BL_BC		RICE	RICE - FOM	*
Iteration_3	Construct_BG_HE_BL_BC		PV- Single-axis Tracking	PV- Single-axis Tracking - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		PV- Fixed Tilt	PV- Fixed Tilt - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Solar Tracking (NO IC)	Solar Tracking (NO IC) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV (Community)	Distributed PV (Community) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV (Residential)	Distributed PV (Residential) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV (C&I)	Distributed PV (C&I) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed RICE	Distributed RICE - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Small Modular Reactor	Small Modular Reactor - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		CCS Retrofit on CC	CCS Retrofit on CC - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Hydrogen CC	Hydrogen CC - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Flow Battery- Long	Flow Battery- Long - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Gravity	Gravity - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		RICE (NO IC)	RICE (NO IC) - FOM	*
Iteration_3	Construct_BG_HE_BL_BC		Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - FOM	-
Iteration_3	Construct_BG_HE_BL_BC		(134,698,650)	New Unit Subhourly / Ancillary Revenue	Subhourly and A/S Revenue associated with ne
Iteration_3	Construct_BG_HE_BL_BC		CCGT	CCGT - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		CT- Frame	CT- Frame - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		CT- Aero	CT- Aero - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		RICE	RICE - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		PV- Single-axis Tracking	PV- Single-axis Tracking - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		PV- Fixed Tilt	PV- Fixed Tilt - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Solar Tracking (NO IC)	Solar Tracking (NO IC) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV (Community)	Distributed PV (Community) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV (Residential)	Distributed PV (Residential) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed PV (C&I)	Distributed PV (C&I) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Distributed RICE	Distributed RICE - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Small Modular Reactor	Small Modular Reactor - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		CCS Retrofit on CC	CCS Retrofit on CC - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		Hydrogen CC	Hydrogen CC - SH/AS Rev	-

Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)		Lithium-Ion (4-hr) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)		Distributed Lithium-Ion (4-hr) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Flow Battery- Long		Flow Battery- Long - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Gravity		Gravity - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	RICE (NO IC)		RICE (NO IC) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)		Hydrogen Retrofit on CC (NO IC) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)		Utility Scale S+B (2:1) (NO IC) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)		Utility Scale S+B (4:1) (NO IC) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)		4-Hr Li Storage (NO IC) - SH/AS Rev	-
Iteration_3	Construct_BG_HE_BL_BC		-	Avoided Distribution Revenue	Avoided distribution investment cost (modeled)
Iteration_3	Construct_BG_HE_BL_BC	CCGT		CCGT - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	CT- Frame		CT- Frame - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	CT- Aero		CT- Aero - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	RICE		RICE - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Single-axis Tracking		PV- Single-axis Tracking - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Fixed Tilt		PV- Fixed Tilt - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)		Solar Tracking (NO IC) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)		Utility-scale PV + Storage (4:1) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)		Utility-scale PV + Storage (2:1) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)		Distributed PV + Storage (2:1) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Community)		Distributed PV (Community) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Residential)		Distributed PV (Residential) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (C&I)		Distributed PV (C&I) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed RICE		Distributed RICE - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Small Modular Reactor		Small Modular Reactor - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	CCS Retrofit on CC		CCS Retrofit on CC - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC		Hydrogen Retrofit on CC - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen CC		Hydrogen CC - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)		Lithium-Ion (4-hr) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)		Distributed Lithium-Ion (4-hr) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Flow Battery- Long		Flow Battery- Long - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Gravity		Gravity - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	RICE (NO IC)		RICE (NO IC) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)		Hydrogen Retrofit on CC (NO IC) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)		Utility Scale S+B (2:1) (NO IC) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)		Utility Scale S+B (4:1) (NO IC) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)		4-Hr Li Storage (NO IC) - Avoided D Rev	-
Iteration_3	Construct_BG_HE_BL_BC				
Iteration_3	Construct_BG_HE_BL_BC			Rate Base Calculation	
Iteration_3	Construct_BG_HE_BL_BC				2022
Iteration_3	Construct_BG_HE_BL_BC			Starting Rate Base	Year 1 from below, changes over time *
Iteration_3	Construct_BG_HE_BL_BC		2,159,503,078	CapEx	Sum of new build capex and new ongoing *
Iteration_3	Construct_BG_HE_BL_BC			New CapEx (Including AFUDC)	Sum of row 153 - 179 *
Iteration_3	Construct_BG_HE_BL_BC	CCGT		New CCGT CapEx	w/ interconnection cost where applicable *
Iteration_3	Construct_BG_HE_BL_BC	CT- Frame		New CT- Frame CapEx	w/ interconnection cost where applicable *
Iteration_3	Construct_BG_HE_BL_BC	CT- Aero		New CT- Aero CapEx	w/ interconnection cost where applicable *
Iteration_3	Construct_BG_HE_BL_BC	RICE		New RICE CapEx	w/ interconnection cost where applicable *

Iteration_3	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed RICE	New Distributed RICE CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Gravity	New Gravity CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx	w/ interconnection cost where applicable	-
Iteration_3	Construct_BG_HE_BL_BC	CCGT	New CCGT CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	CT- Frame	New CT- Frame CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	CT- Aero	New CT- Aero CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	RICE	New RICE CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed RICE	New Distributed RICE CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Gravity	New Gravity CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx	CapEx w/ AFUDC	-

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Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx	CapEx w/ AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC	Ongoing CapEx - Peakers	Ongoing CapEx - Peakers	Pull from Inputs	*
Iteration_3	Construct_BG_HE_BL_BC	Ongoing CapEx - Other Gen and Non Gen	Ongoing CapEx - Other Gen and Non Gen	Pull from Inputs AND add Non-Gen/T&D P	*
Iteration_3	Construct_BG_HE_BL_BC	Transmission Upgrade CapEx	Transmission Upgrade CapEx	Pull from Inputs	*
Iteration_3	Construct_BG_HE_BL_BC		Ongoing CapEx - New	Pull from Inputs	*
Iteration_3	Construct_BG_HE_BL_BC	CCGT	Ongoing CapEx CCGT	Generic CapEx	
Iteration_3	Construct_BG_HE_BL_BC	CT- Frame	Ongoing CapEx CT- Frame		*
Iteration_3	Construct_BG_HE_BL_BC	CT- Aero	Ongoing CapEx CT- Aero		
Iteration_3	Construct_BG_HE_BL_BC	RICE	Ongoing CapEx RICE		*
Iteration_3	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	Ongoing CapEx PV- Single-axis Tracking		-
Iteration_3	Construct_BG_HE_BL_BC	PV- Fixed Tilt	Ongoing CapEx PV- Fixed Tilt		-
Iteration_3	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	Ongoing CapEx Solar Tracking (NO IC)		-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	Ongoing CapEx Utility-scale PV + Storage (4:1)		-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	Ongoing CapEx Utility-scale PV + Storage (2:1)		-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	Ongoing CapEx Distributed PV + Storage (2:1)		-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Community)	Ongoing CapEx Distributed PV (Community)		-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Residential)	Ongoing CapEx Distributed PV (Residential)		-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (C&I)	Ongoing CapEx Distributed PV (C&I)		-
Iteration_3	Construct_BG_HE_BL_BC	Distributed RICE	Ongoing CapEx Distributed RICE		-
Iteration_3	Construct_BG_HE_BL_BC	Small Modular Reactor	Ongoing CapEx Small Modular Reactor		-
Iteration_3	Construct_BG_HE_BL_BC	CCS Retrofit on CC	Ongoing CapEx CCS Retrofit on CC		-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	Ongoing CapEx Hydrogen Retrofit on CC		-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen CC	Ongoing CapEx Hydrogen CC		-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	Ongoing CapEx Lithium-Ion (4-hr)		-
Iteration_3	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	Ongoing CapEx Distributed Lithium-Ion (4-hr)		-
Iteration_3	Construct_BG_HE_BL_BC	Flow Battery- Long	Ongoing CapEx Flow Battery- Long		-
Iteration_3	Construct_BG_HE_BL_BC	Gravity	Ongoing CapEx Gravity		-
Iteration_3	Construct_BG_HE_BL_BC	RICE (NO IC)	Ongoing CapEx RICE (NO IC)		*
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Ongoing CapEx Hydrogen Retrofit on CC (NO IC)		-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Ongoing CapEx Utility Scale S+B (2:1) (NO IC)		-
Iteration_3	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Ongoing CapEx Utility Scale S+B (4:1) (NO IC)		-
Iteration_3	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	Ongoing CapEx 4-Hr Li Storage (NO IC)		-
Iteration_3	Construct_BG_HE_BL_BC	*	* Depreciation - New	New Asset Depreciation, pulled from below	*
Iteration_3	Construct_BG_HE_BL_BC	*	* Change in Deferred Tax Liability	Pulled from deferred tax section below	*
Iteration_3	Construct_BG_HE_BL_BC	*	* Depreciation - Existing	From Below	*
Iteration_3	Construct_BG_HE_BL_BC	*	* Ending Rate Base	Starting Rate Base + CapEx, less depreciati	*
Iteration_3	Construct_BG_HE_BL_BC	*	* Property Taxes	Prop. Tax rate * Rate Base	*
Iteration_3	Construct_BG_HE_BL_BC		Existing Plant		
Iteration_3	Construct_BG_HE_BL_BC				2022
Iteration_3	Construct_BG_HE_BL_BC		Asbury	NBV - BOY	*
Iteration_3	Construct_BG_HE_BL_BC		Energy Center 1/2	NBV - BOY	*
Iteration_3	Construct_BG_HE_BL_BC		Energy Center 3/4	NBV - BOY	*
Iteration_3	Construct_BG_HE_BL_BC		Riverton 10/11	NBV - BOY	*

		AFUDC Calc	For New Builds	
Iteration_3	Construct_BG_HE_BL_BC			
Iteration_3	Construct_BG_HE_BL_BC	CCGT	New CCGT Schedule	Check Build schedule -
Iteration_3	Construct_BG_HE_BL_BC	CT- Frame	New CT- Frame Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	CT- Aero	New CT- Aero Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	RICE	New RICE Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed RICE	New Distributed RICE Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Small Modular Reactor	New Small Modular Reactor Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen CC	New Hydrogen CC Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	RICE (NO IC)	New RICE (NO IC) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule	-
Iteration_3	Construct_BG_HE_BL_BC		New CCGT AFUDC	Check Build schedule, apply rate -
Iteration_3	Construct_BG_HE_BL_BC		New CT- Frame AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New CT- Aero AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New RICE AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New PV- Single-axis Tracking AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New PV- Fixed Tilt AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Solar Tracking (NO IC) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Utility-scale PV + Storage (4:1) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Utility-scale PV + Storage (2:1) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Distributed PV + Storage (2:1) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Distributed PV (Community) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Distributed PV (Residential) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Distributed PV (C&I) AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Distributed RICE AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Small Modular Reactor AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New CCS Retrofit on CC AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Hydrogen Retrofit on CC AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Hydrogen CC AFUDC	-
Iteration_3	Construct_BG_HE_BL_BC		New Lithium-Ion (4-hr) AFUDC	-

Iteration_3	Construct_BG_HE_BL_BC				*	
Iteration_3	Construct_BG_HE_BL_BC				*	
Iteration_3	Construct_BG_HE_BL_BC					2022
Iteration_3	Construct_BG_HE_BL_BC			Ending Rate Base	Pull from Row 25	*
Iteration_3	Construct_BG_HE_BL_BC			<i>Cap Structure Calculation</i>		*
Iteration_3	Construct_BG_HE_BL_BC			Starting Equity (\$)	Pull from Fin Inputs, then add	*
Iteration_3	Construct_BG_HE_BL_BC			Starting Debt (\$)	Pull from Fin Inputs, then add	*
Iteration_3	Construct_BG_HE_BL_BC			New CapEx (\$)		*
Iteration_3	Construct_BG_HE_BL_BC			New Equity (\$)		*
Iteration_3	Construct_BG_HE_BL_BC			New Debt (\$)		*
Iteration_3	Construct_BG_HE_BL_BC			Existing Equity Cost	Pull from fin inputs	*
Iteration_3	Construct_BG_HE_BL_BC			Existing Debt Cost	Pull from fin inputs	*
Iteration_3	Construct_BG_HE_BL_BC			New Equity Cost	Pull from fin inputs	*
Iteration_3	Construct_BG_HE_BL_BC			New Debt Cost	Pull from fin inputs	*
Iteration_3	Construct_BG_HE_BL_BC			Return on (WACC)		*
Iteration_3	Construct_BG_HE_BL_BC	*		* Return On Ratebase		*
Iteration_3	Construct_BG_HE_BL_BC	*		* Equity % Ratebase		*
Iteration_3	Construct_BG_HE_BL_BC	*		* ROE		*
Iteration_3	Construct_BG_HE_BL_BC	*		* Debt Check		*
Iteration_3	Construct_BG_HE_BL_BC	*		* <i>Total Debt + Total Equity</i>		*
Iteration_3	Construct_BG_HE_BL_BC			Depreciation Calculation		*
Iteration_3	Construct_BG_HE_BL_BC			Book Depreciation Small Modular Reactor	Small Modular Reactor	2022
Iteration_3	Construct_BG_HE_BL_BC			Depreciable CapEx	Annual CapEx from Above	-
Iteration_3	Construct_BG_HE_BL_BC			Depreciation Period	Book life of new capex, from financial input *	
Iteration_3	Construct_BG_HE_BL_BC			Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_3	Construct_BG_HE_BL_BC				Annual CapEx	2022
Iteration_3	Construct_BG_HE_BL_BC	40	2022		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2023		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2024		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2025		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2026		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2027		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2028		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2029		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2030		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2031		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2032		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2033		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2034		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2035		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2036		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2037		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2038		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2039		-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2040		-	-

Iteration_3	Construct_BG_HE_BL_BC	40	2041	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2042	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2043	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2044	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2045	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2046	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2047	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2048	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2049	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2050	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2051	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2052	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2053	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2054	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2055	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2056	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2057	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2058	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2059	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2060	-	-
Iteration_3	Construct_BG_HE_BL_BC	40	2061	-	-

Annual Book Depreciation

-

2022

Tax Depreciation Small Modular Reactor
Tax Schedule

Small Modular Reactor
Tax life of new Capex, from financial input: *

Annual CapEx

2022

Iteration_3	Construct_BG_HE_BL_BC	15	2022	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2023	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2024	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2025	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2026	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2027	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2028	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2029	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2030	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2031	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2032	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2033	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2034	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2035	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2036	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2037	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2038	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2039	-	-

Iteration_3	Construct_BG_HE_BL_BC	15	2040	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2041	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2042	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2043	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2044	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2045	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2046	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2047	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2048	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2049	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2050	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2051	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2052	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2053	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2054	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2055	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2056	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2057	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2058	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2059	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2060	-	-
Iteration_3	Construct_BG_HE_BL_BC	15	2061	-	-

Annual Tax Depreciation

Book Depreciation Ongoing CapEx - Peakers Ongoing CapEx - Peakers 2022
 Depreciable CapEx Annual CapEx from Above

Depreciation Period Book life of new capex, from financial inputs **30**
 Book Depreciation Calcs If year is >= CapEx year, divide CapEx by book life

Annual CapEx 2022

Iteration_3	Construct_BG_HE_BL_BC	30	2022	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2023	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2024	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2025	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2026	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2027	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2028	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2029	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2030	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2031	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2032	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2033	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2034	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2035	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2036	*	*

Iteration_3	Construct_BG_HE_BL_BC	30	2037	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2038	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2039	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2040	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2041	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2042	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2043	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2044	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2045	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2046	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2047	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2048	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2049	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2050	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2051	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2052	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2053	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2054	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2055	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2056	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2057	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2058	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2059	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2060	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2061	*	*
Iteration_3	Construct_BG_HE_BL_BC		Annual Book Depreciation		*
Iteration_3	Construct_BG_HE_BL_BC				
Iteration_3	Construct_BG_HE_BL_BC				2022
Iteration_3	Construct_BG_HE_BL_BC		Tax Depreciation Ongoing CapEx - Peakers	Ongoing CapEx - Peakers	
Iteration_3	Construct_BG_HE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input:*	
Iteration_3	Construct_BG_HE_BL_BC				
Iteration_3	Construct_BG_HE_BL_BC			Annual CapEx	2022
Iteration_3	Construct_BG_HE_BL_BC	15	2022	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2023	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2024	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2025	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2026	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2027	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2028	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2029	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2030	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2031	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2032	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2033	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2034	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2035	*	*

Iteration_3	Construct_BG_HE_BL_BC	15	2036	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2037	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2038	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2039	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2040	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2041	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2042	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2043	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2044	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2045	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2046	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2047	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2048	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2049	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2050	*	*
Iteration_3	Construct_BG_HE_BL_BC	15	2051	*	*
Iteration_3	Construct_BG_HE_BL_BC		Annual Tax Depreciation		*
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Ongoing CapEx - Other Gen	Ongoing CapEx - Other Gen and Non Gen	2022
Iteration_3	Construct_BG_HE_BL_BC		Depreciable CapEx	Annual CapEx from Above	*
Iteration_3	Construct_BG_HE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_3	Construct_BG_HE_BL_BC			Annual CapEx	2022
Iteration_3	Construct_BG_HE_BL_BC	40	2022	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2023	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2024	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2025	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2026	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2027	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2028	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2029	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2030	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2031	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2032	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2033	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2034	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2035	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2036	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2037	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2038	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2039	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2040	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2041	*	*
Iteration_3	Construct_BG_HE_BL_BC	40	2042	*	*

Iteration_3	Construct_BG_HE_BL_BC			Annual CapEx	2022
Iteration_3	Construct_BG_HE_BL_BC	20	2022	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2023	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2024	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2025	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2026	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2027	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2028	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2029	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2030	-	-
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Iteration_3	Construct_BG_HE_BL_BC	20	2035	-	-
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Iteration_3	Construct_BG_HE_BL_BC	20	2037	-	-
Iteration_3	Construct_BG_HE_BL_BC	20	2038	-	-
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Iteration_3	Construct_BG_HE_BL_BC	20	2046	-	-
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Iteration_3	Construct_BG_HE_BL_BC	20	2051	-	-
Iteration_3	Construct_BG_HE_BL_BC		Annual Tax Depreciation		-
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Gas CC	Gas CC	2022
Iteration_3	Construct_BG_HE_BL_BC		Depreciable CapEx	Annual CapEx from Above	-
Iteration_3	Construct_BG_HE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_3	Construct_BG_HE_BL_BC			Annual CapEx	2022
Iteration_3	Construct_BG_HE_BL_BC	30	2022	-	-
Iteration_3	Construct_BG_HE_BL_BC	30	2023	-	-
Iteration_3	Construct_BG_HE_BL_BC	30	2024	-	-
Iteration_3	Construct_BG_HE_BL_BC	30	2025	-	-
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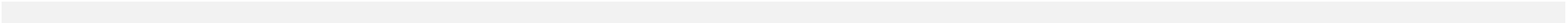
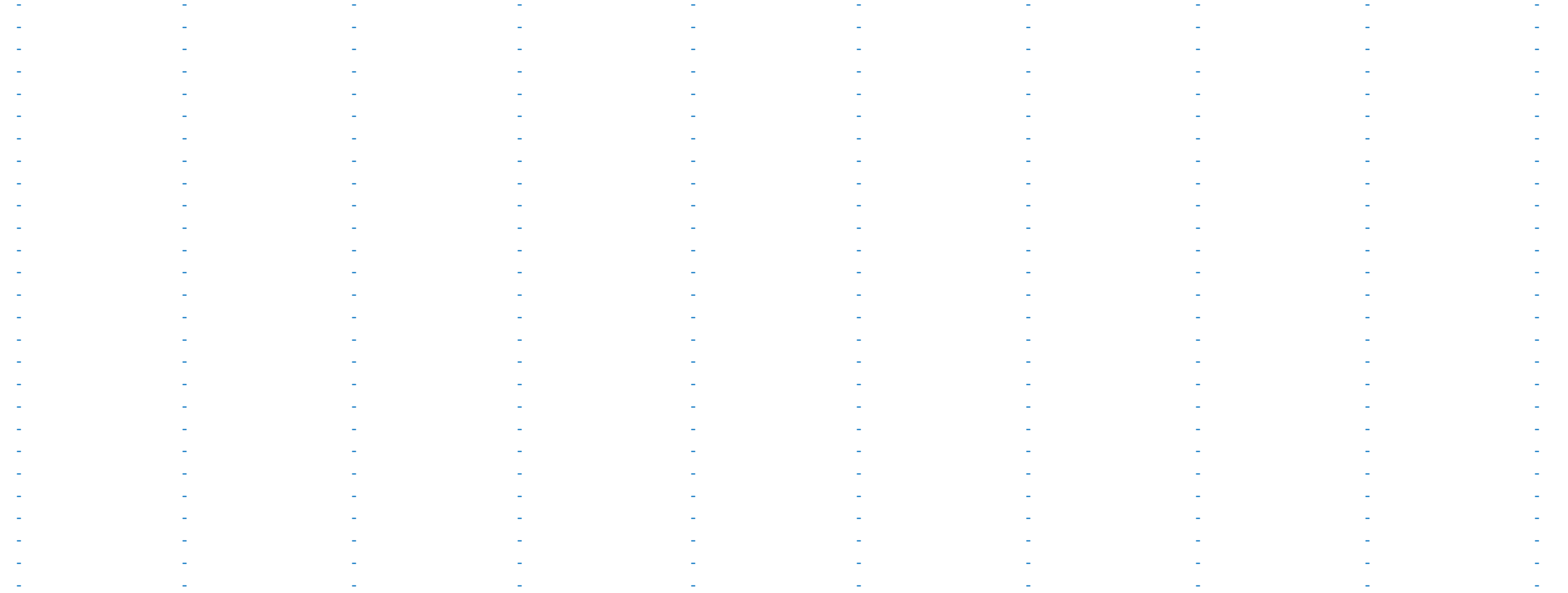
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Iteration_3	Construct_BG_HE_BL_BC		Annual Book Depreciation		-
Iteration_3	Construct_BG_HE_BL_BC				2022
Iteration_3	Construct_BG_HE_BL_BC		Tax Depreciation Gas CC	Gas CC	
Iteration_3	Construct_BG_HE_BL_BC		Tax Schedule	Tax life of new Capex, from financial input: *	
Iteration_3	Construct_BG_HE_BL_BC			Annual CapEx	2022
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Iteration_3	Construct_BG_HE_BL_BC	20	2051	-	-
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Iteration_3	Construct_BG_HE_BL_BC				
Iteration_3	Construct_BG_HE_BL_BC				
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Gas CT	Gas CT	2022
Iteration_3	Construct_BG_HE_BL_BC		Depreciable CapEx	Annual CapEx from Above *	
Iteration_3	Construct_BG_HE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
Iteration_3	Construct_BG_HE_BL_BC			Annual CapEx	2022
Iteration_3	Construct_BG_HE_BL_BC	30	2022	*	*
Iteration_3	Construct_BG_HE_BL_BC	30	2023	-	-
Iteration_3	Construct_BG_HE_BL_BC	30	2024	-	-
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Iteration_3	Construct_BG_HE_BL_BC	30	2035	*	*
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Iteration_3	Construct_BG_HE_BL_BC		Depreciation Period	Book life of new capex, from financial input *	
Iteration_3	Construct_BG_HE_BL_BC		Book Depreciation Calcs	If year is >= CapEx year, divide CapEx by book life	
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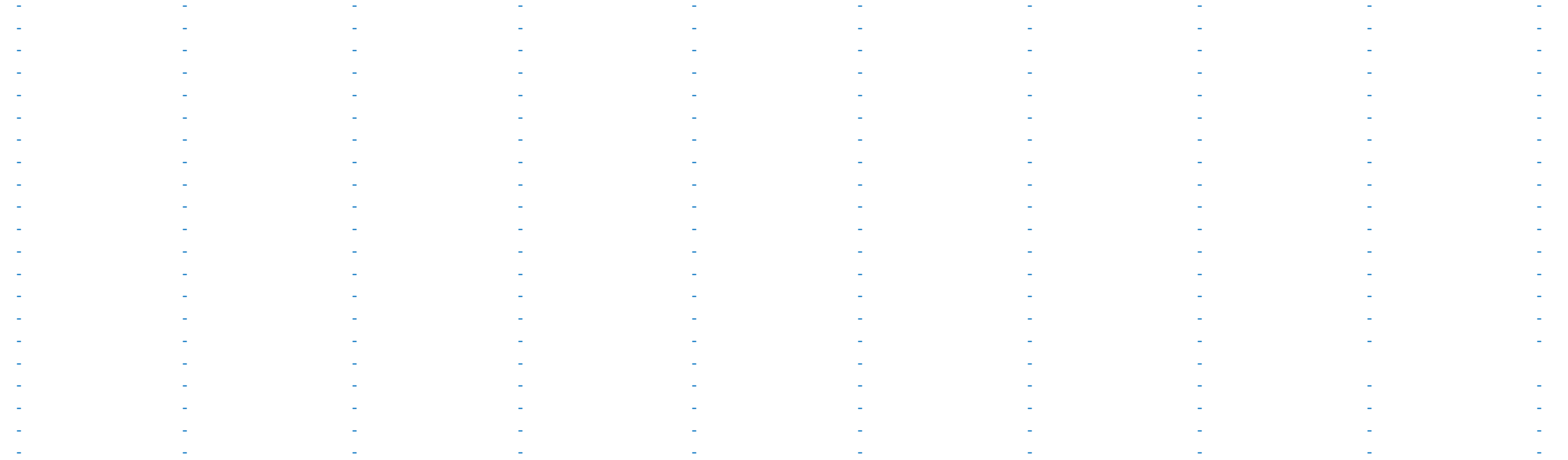
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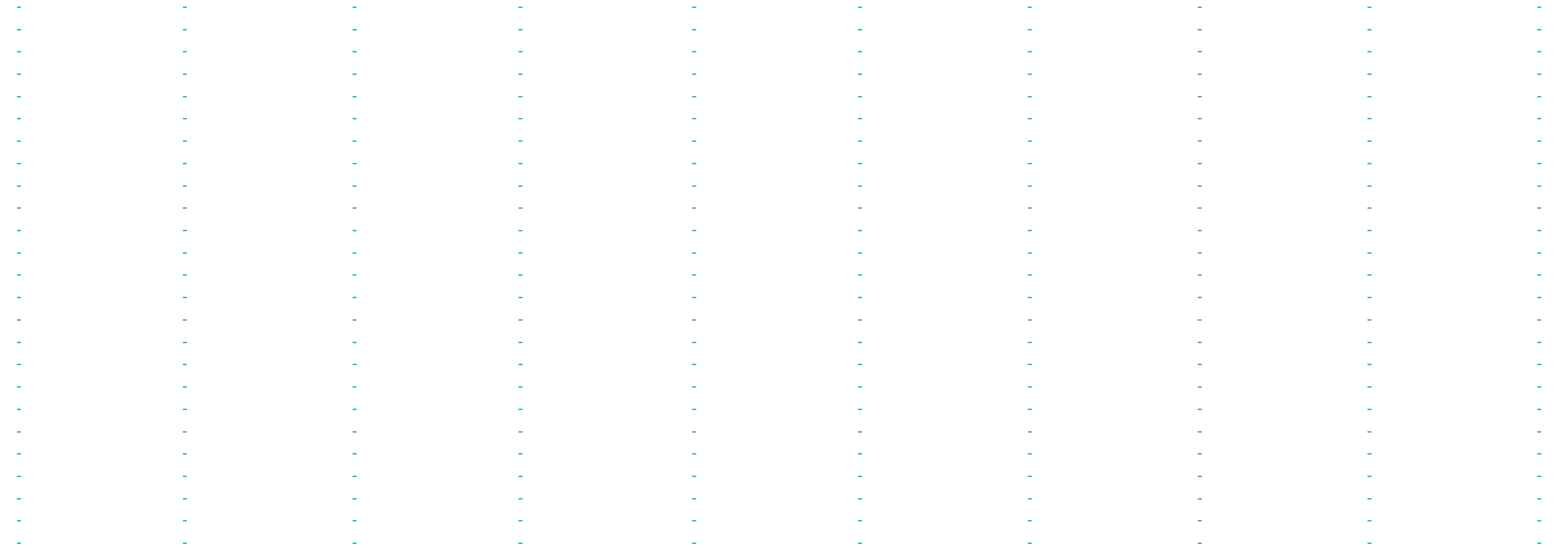
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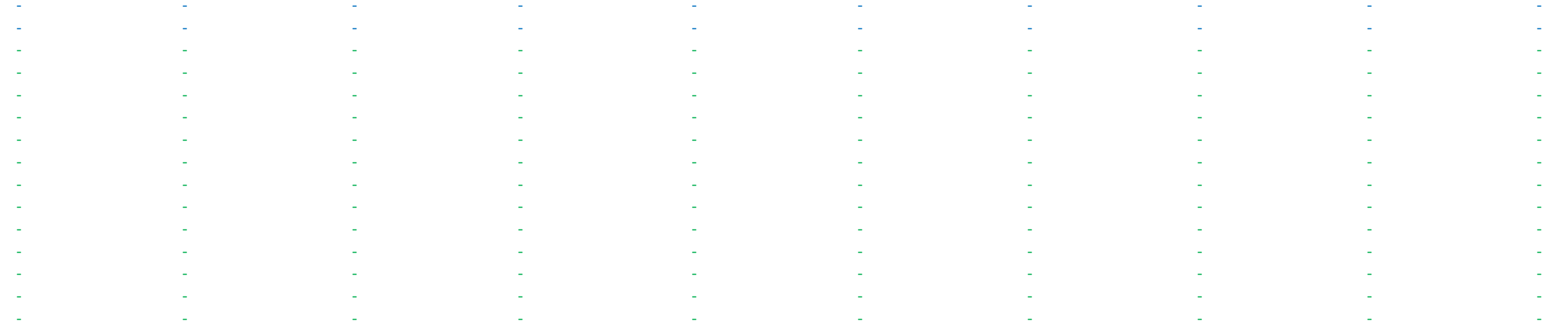
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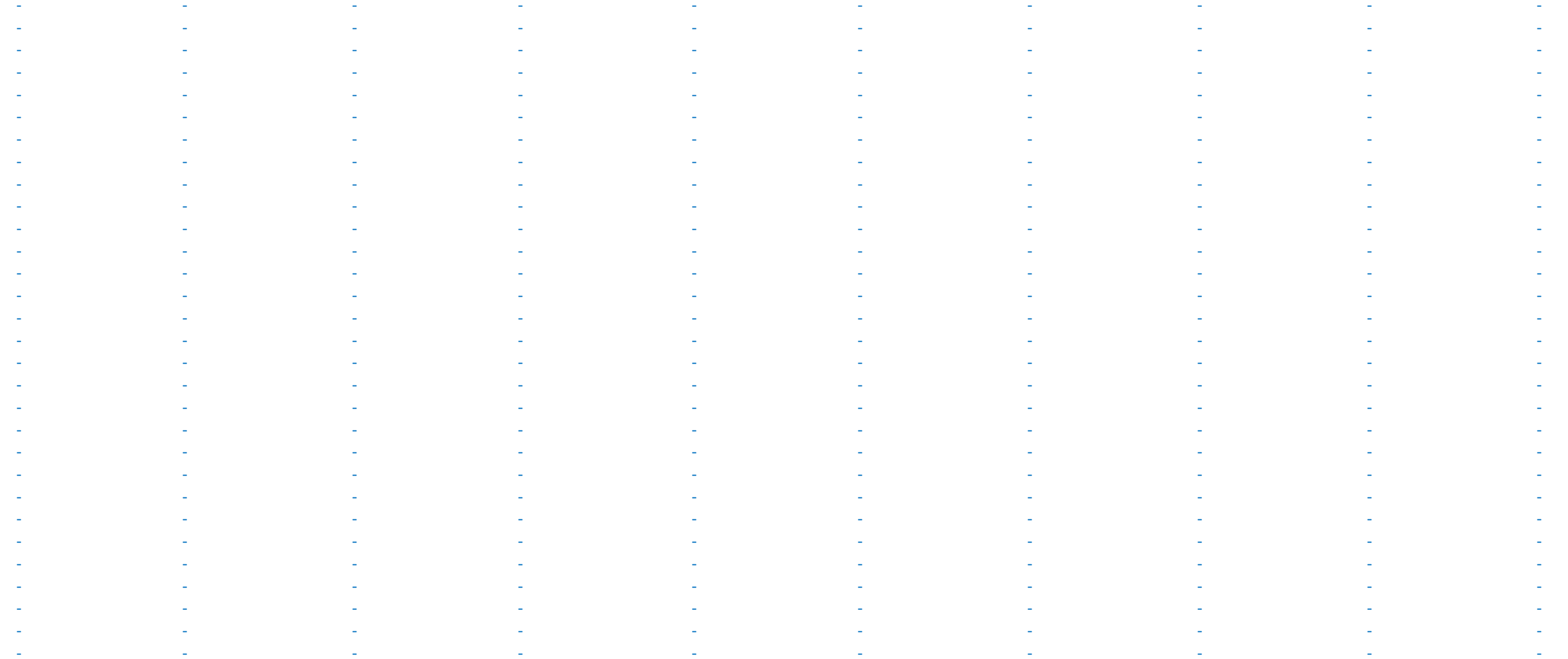
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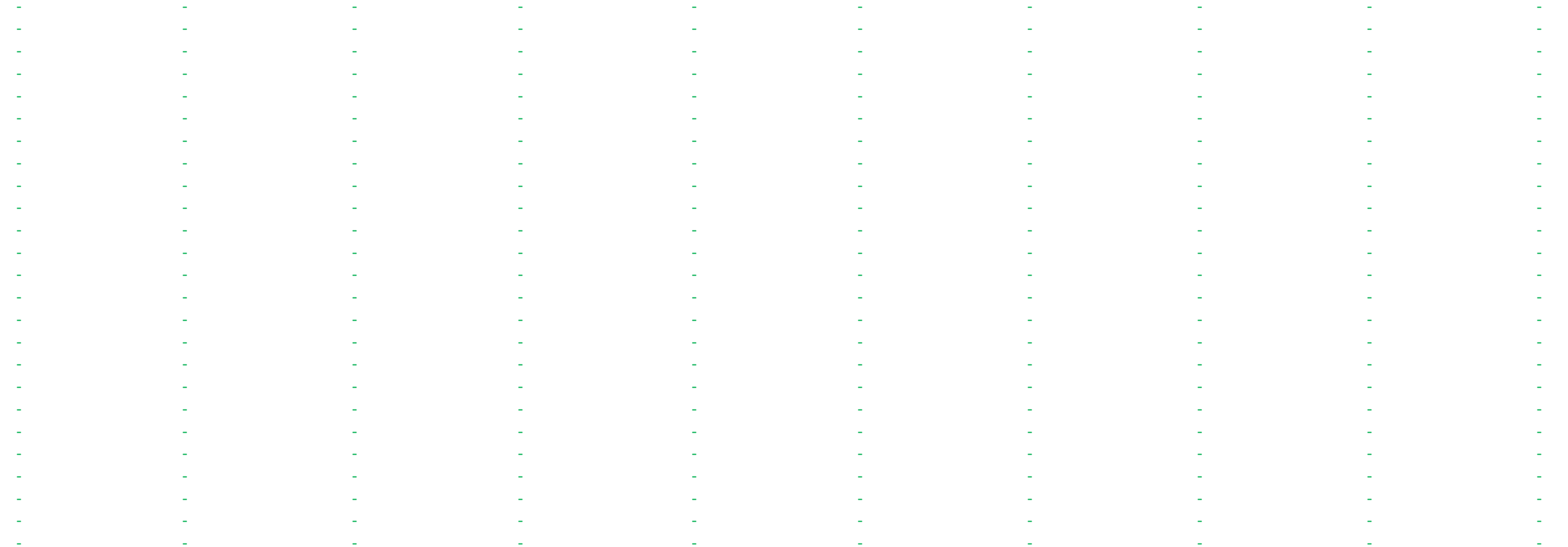
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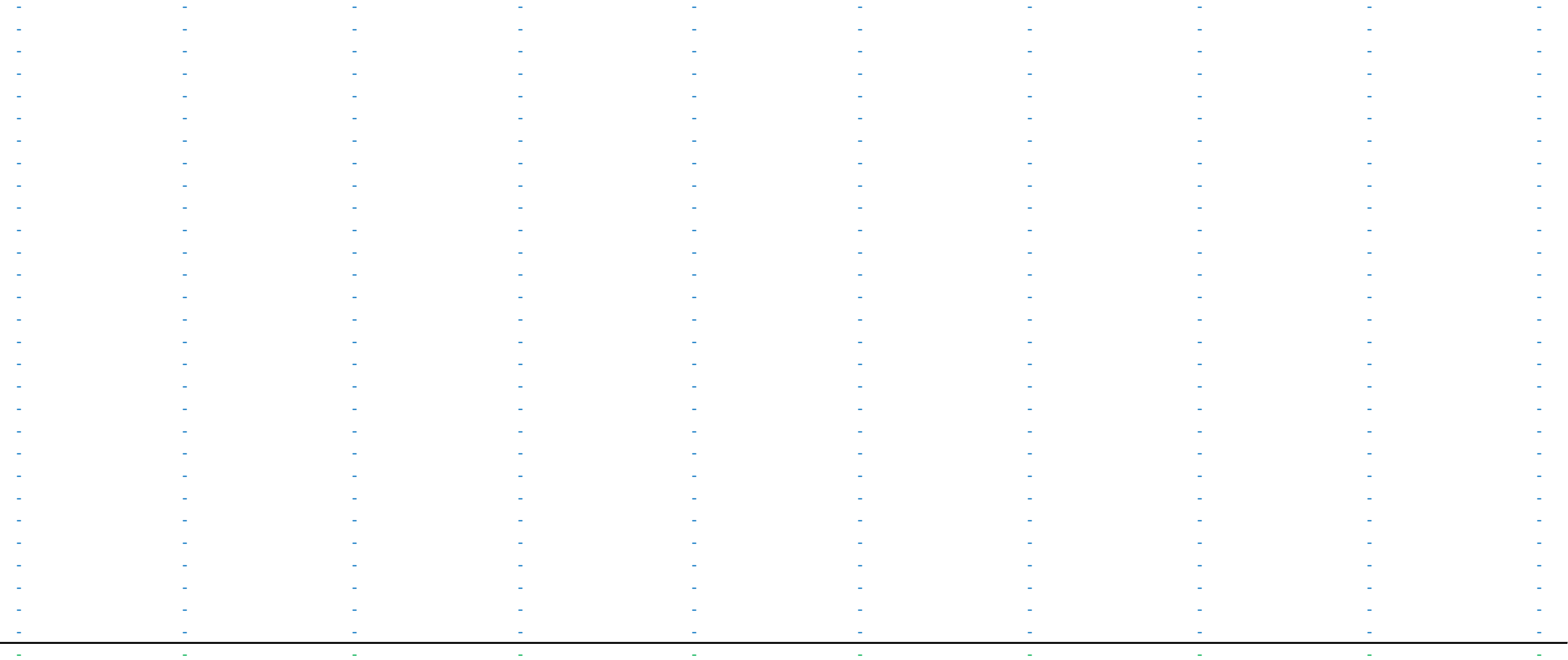
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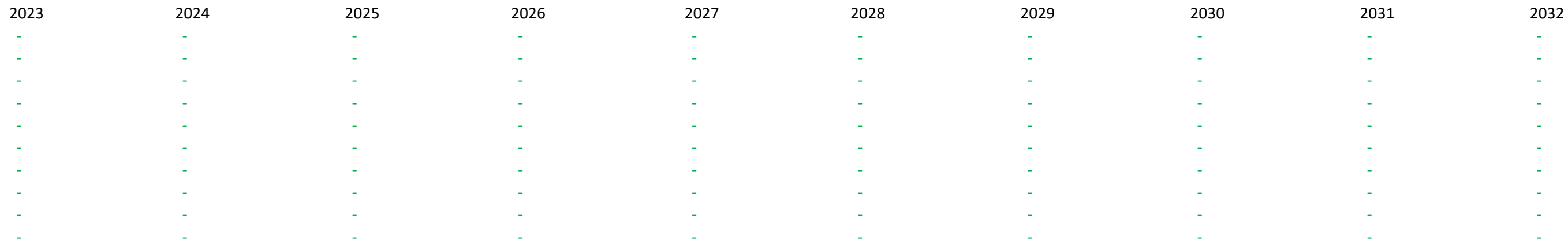
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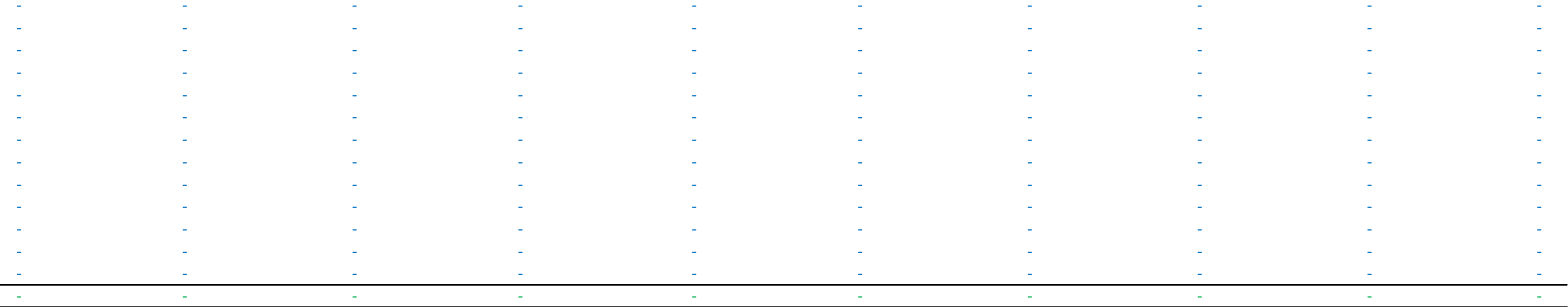
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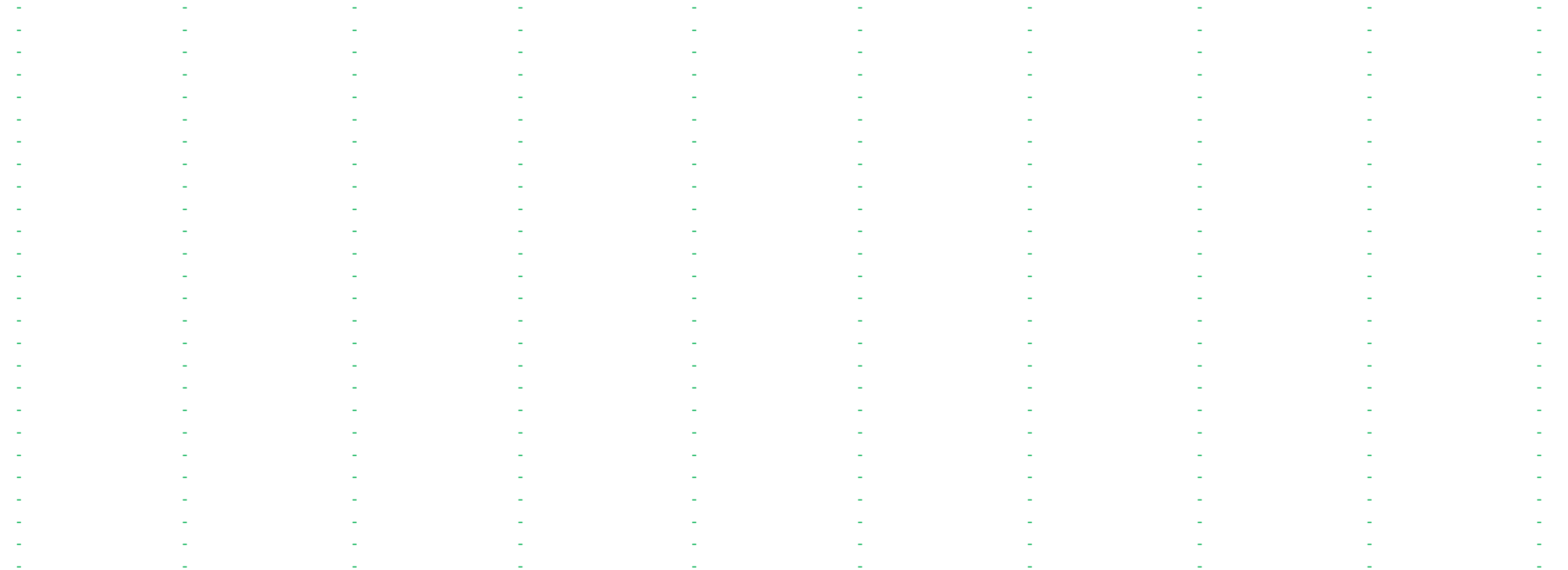
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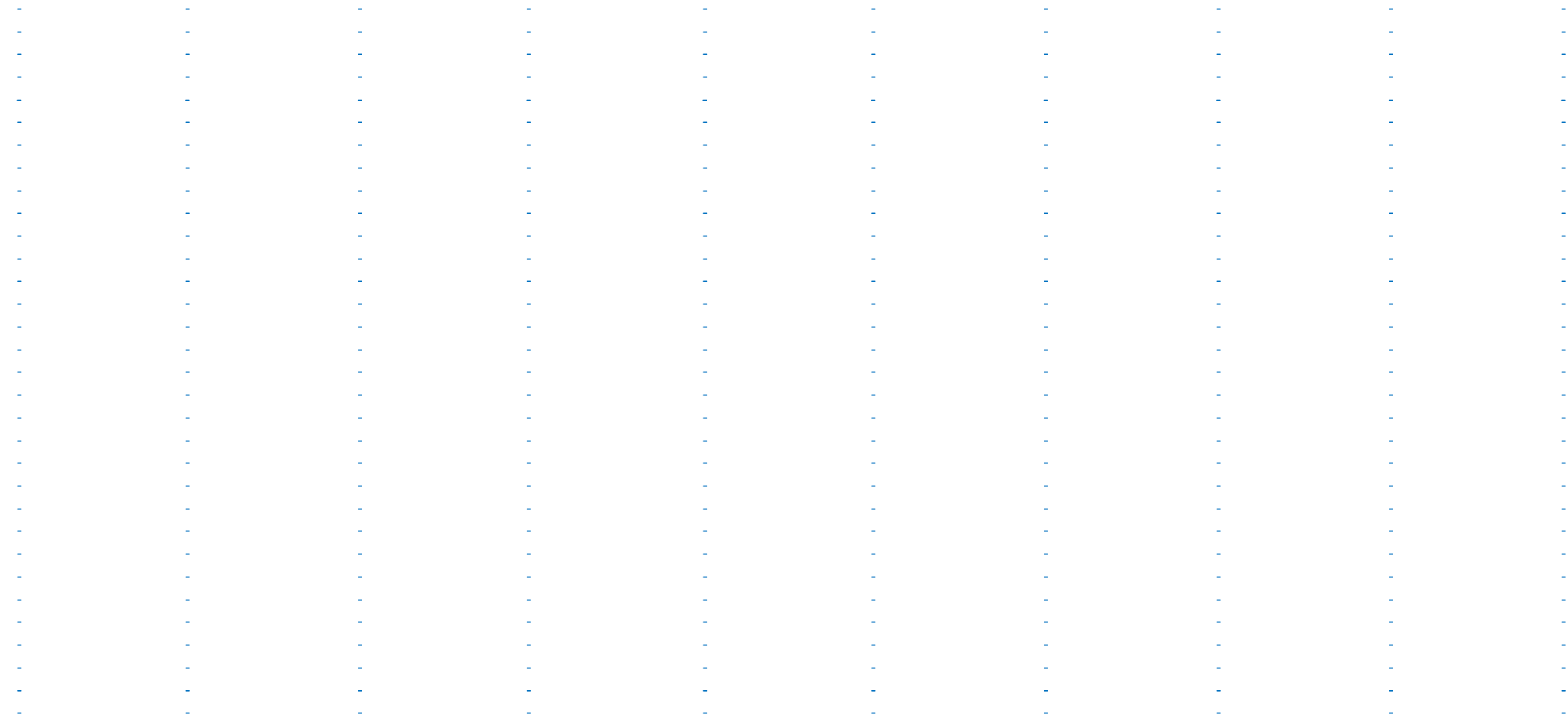
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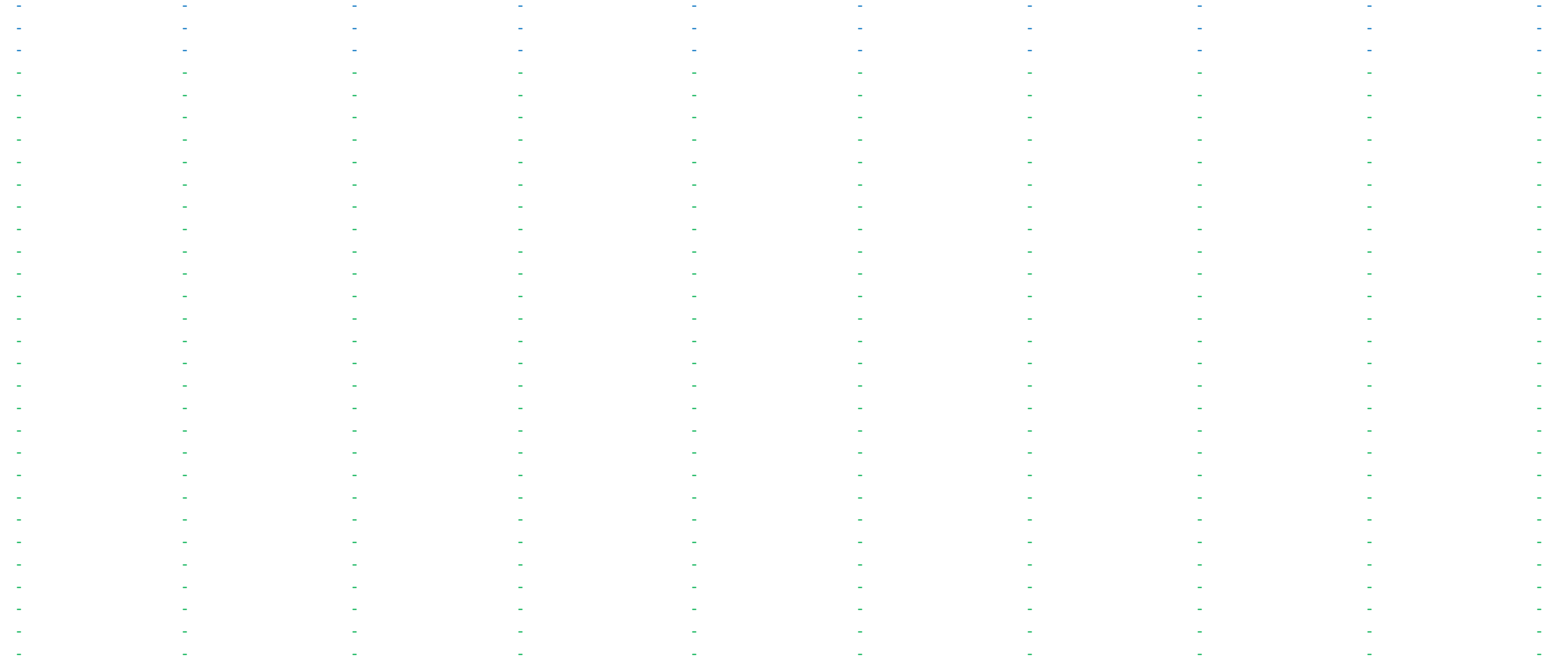
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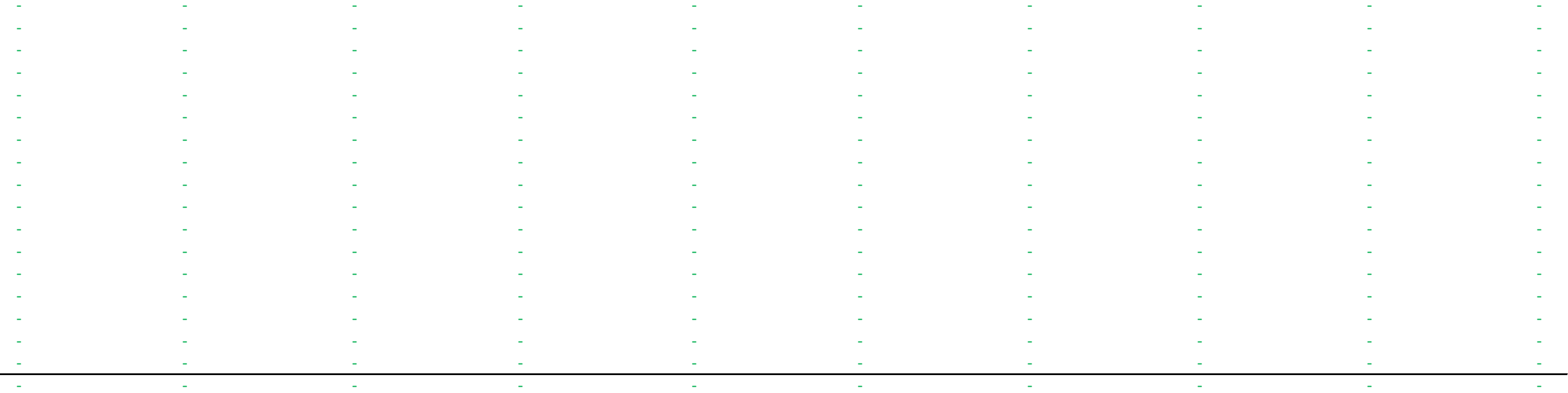
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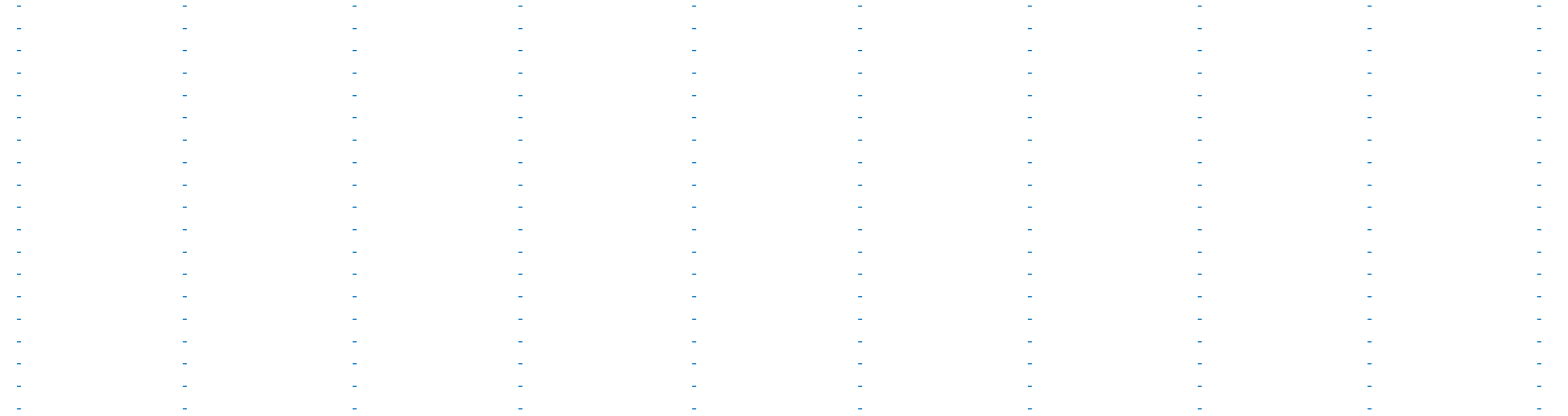
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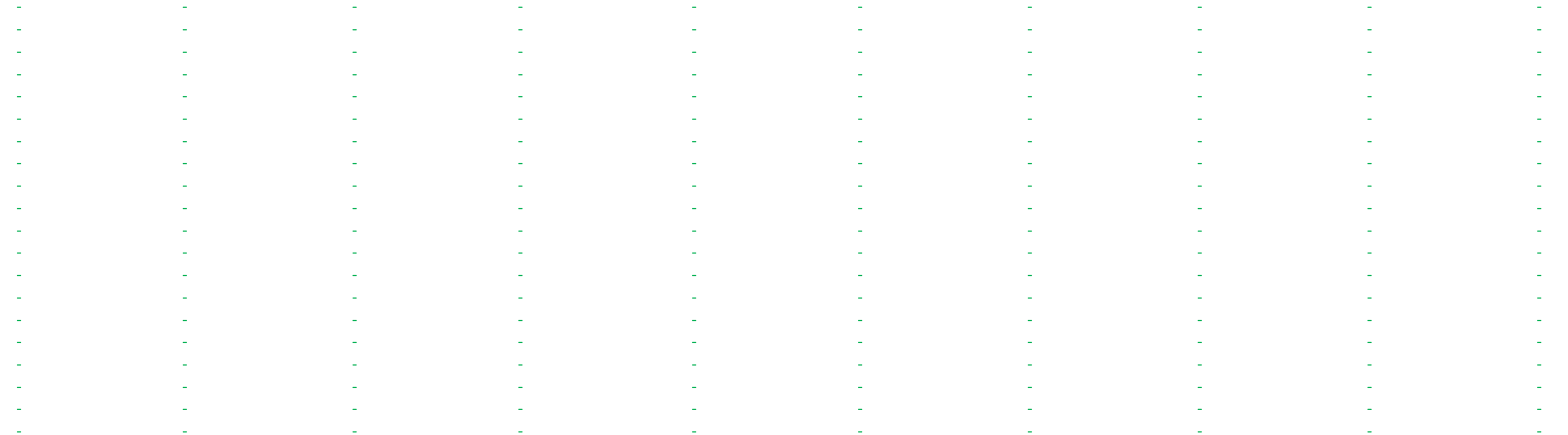
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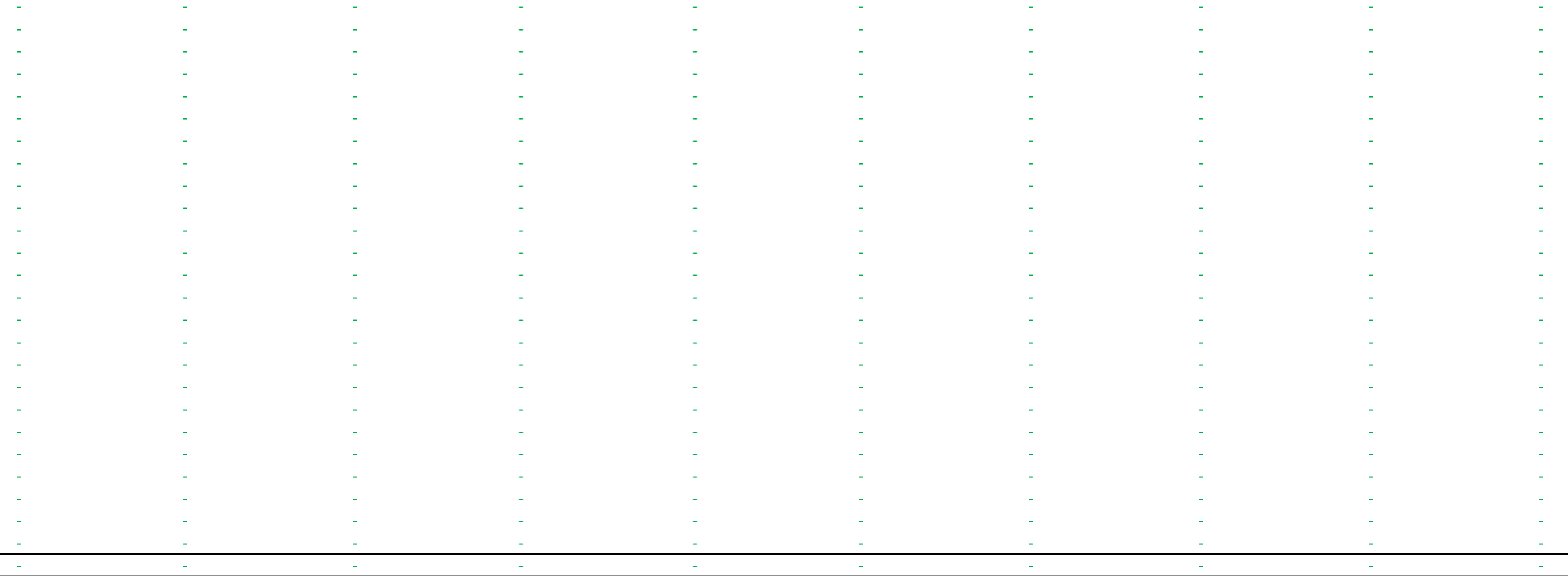
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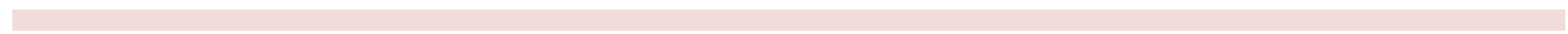
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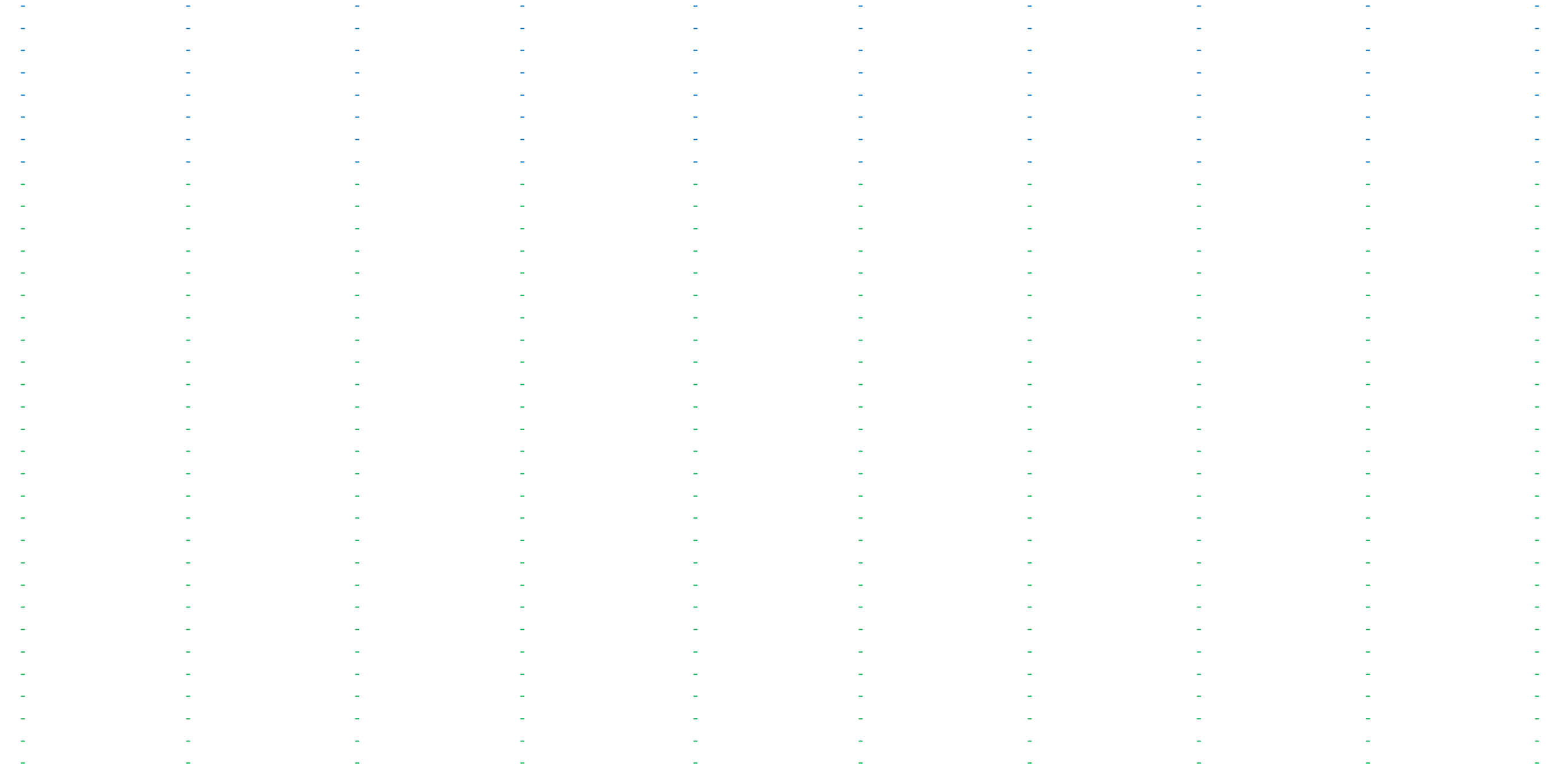
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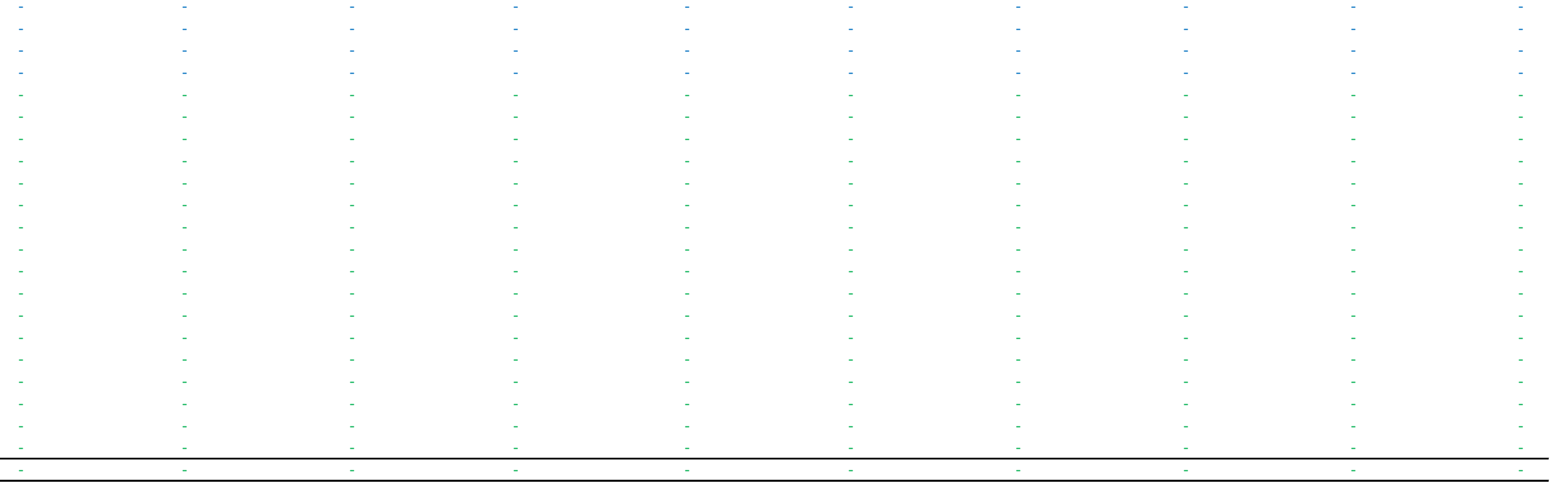
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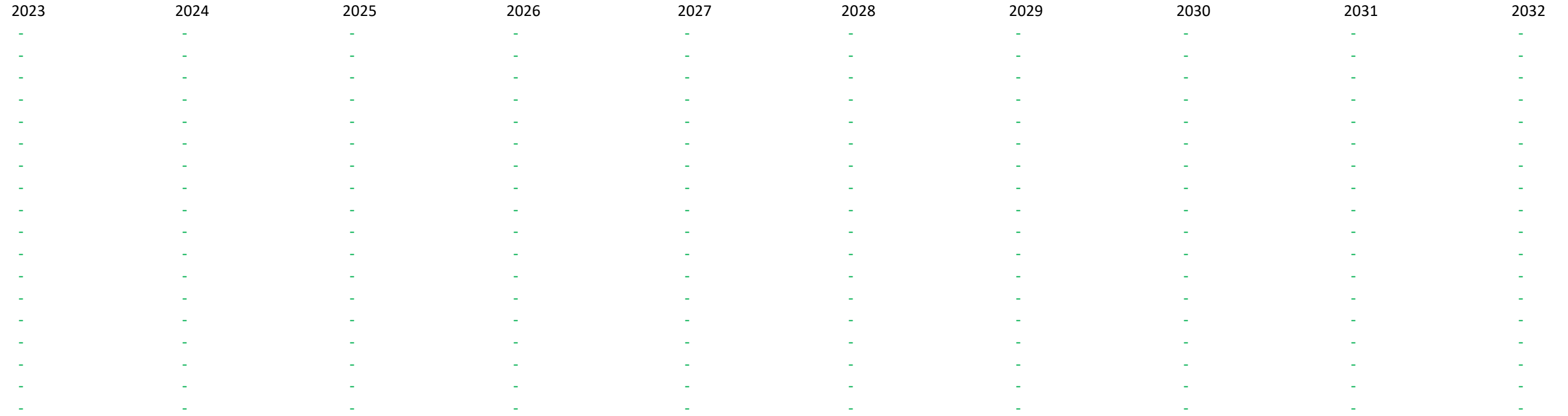
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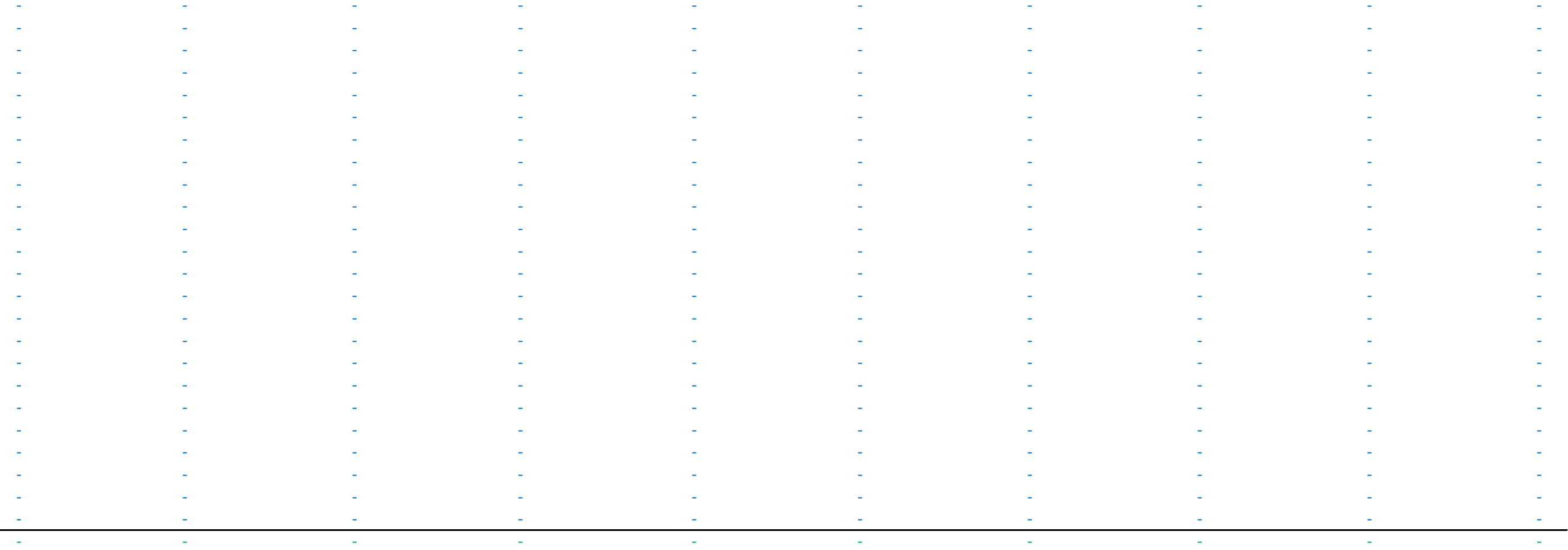
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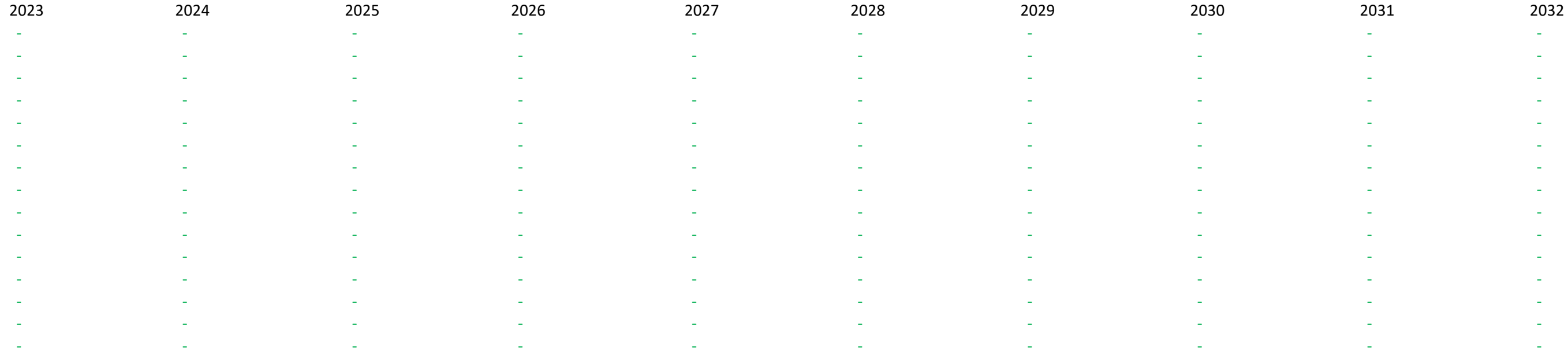
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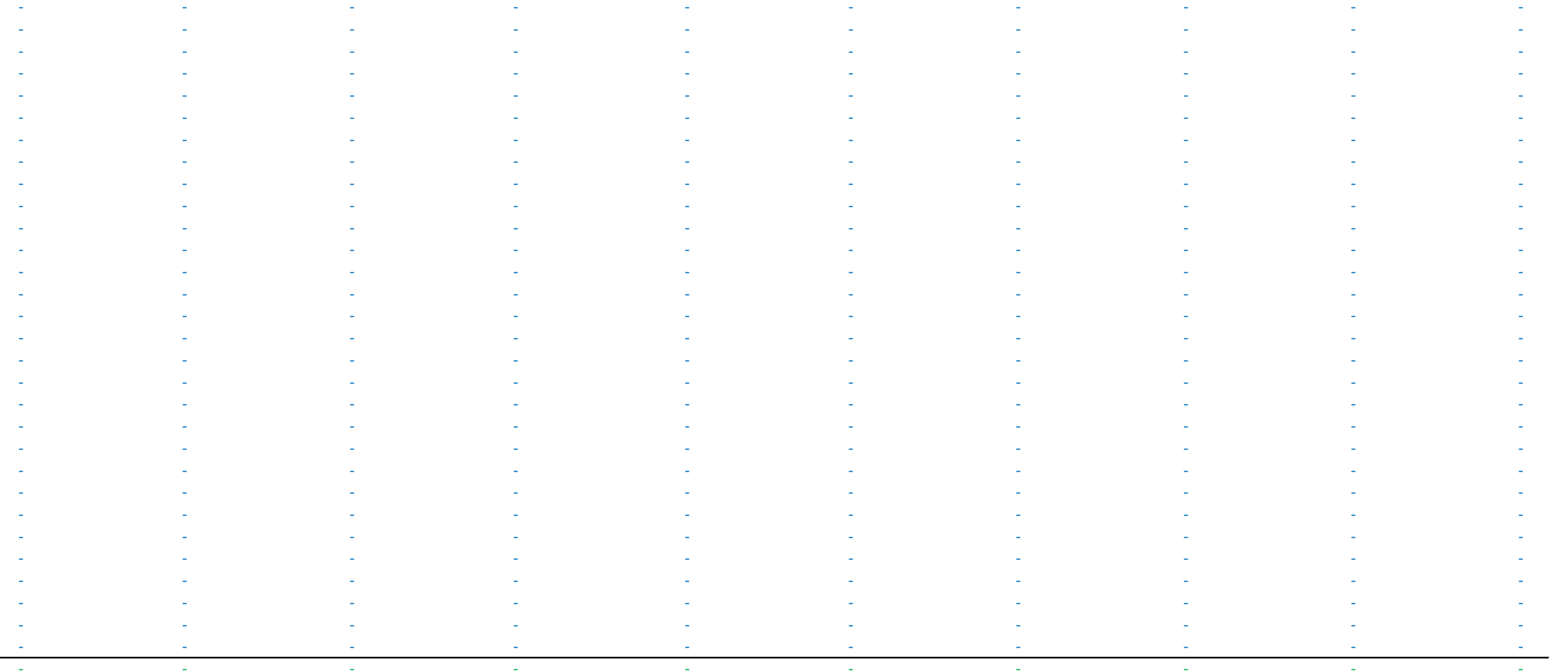
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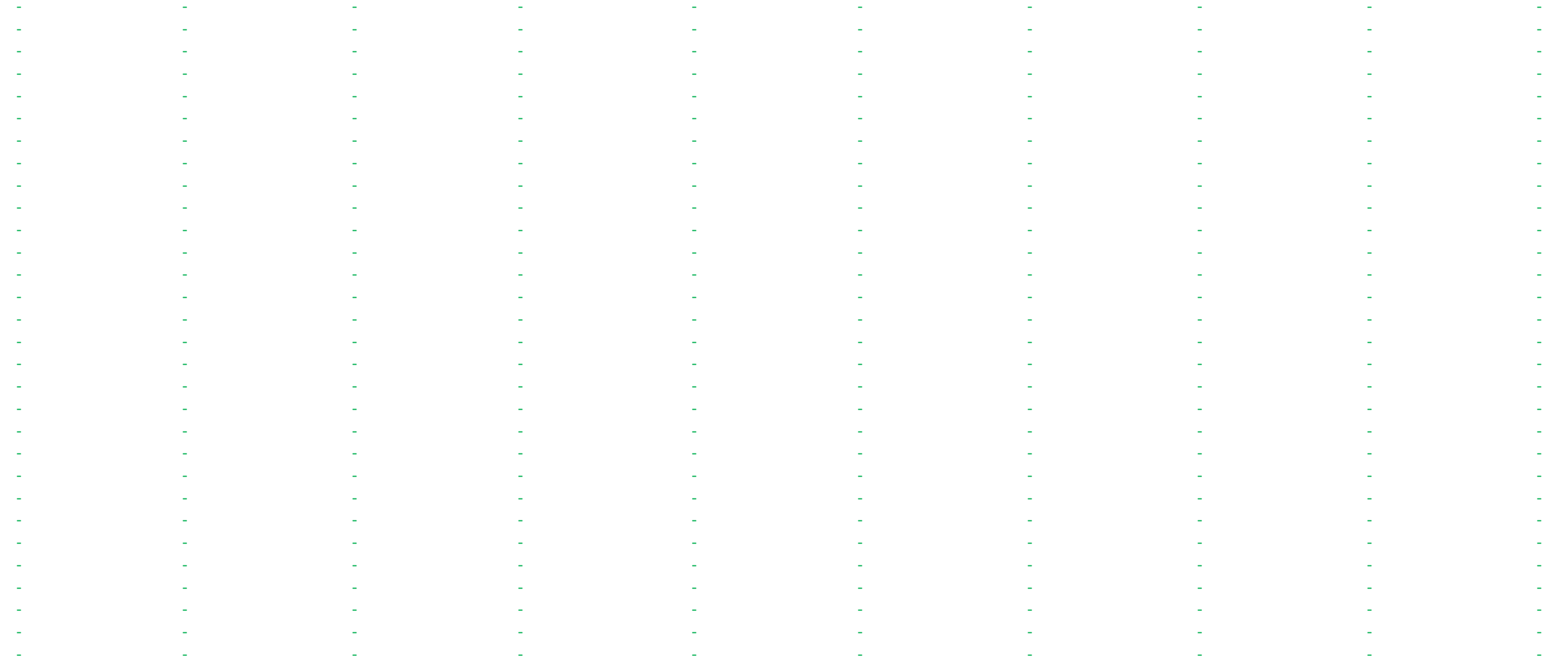
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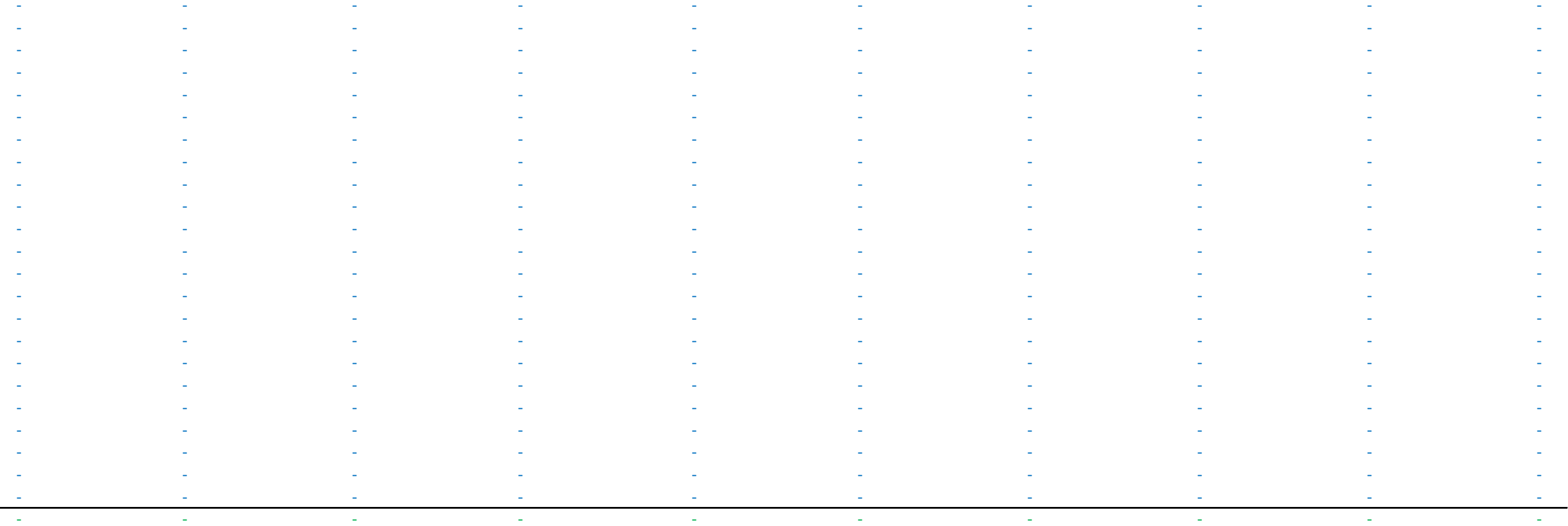
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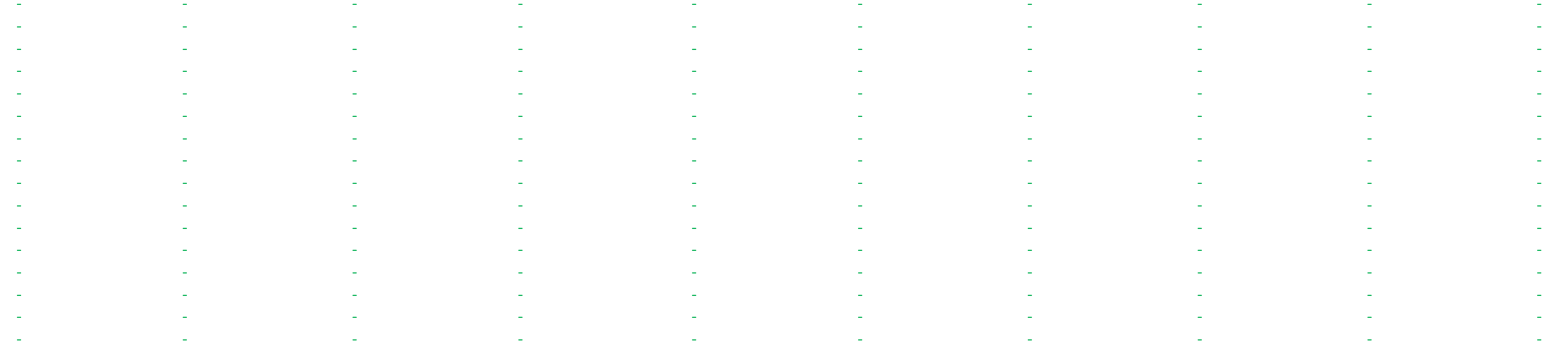
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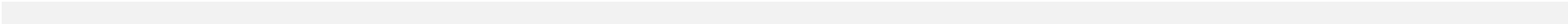
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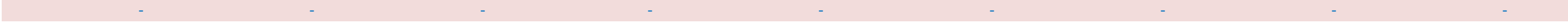


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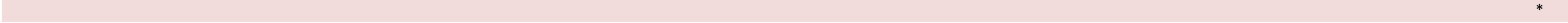
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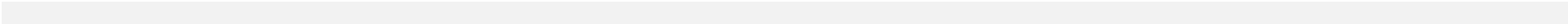
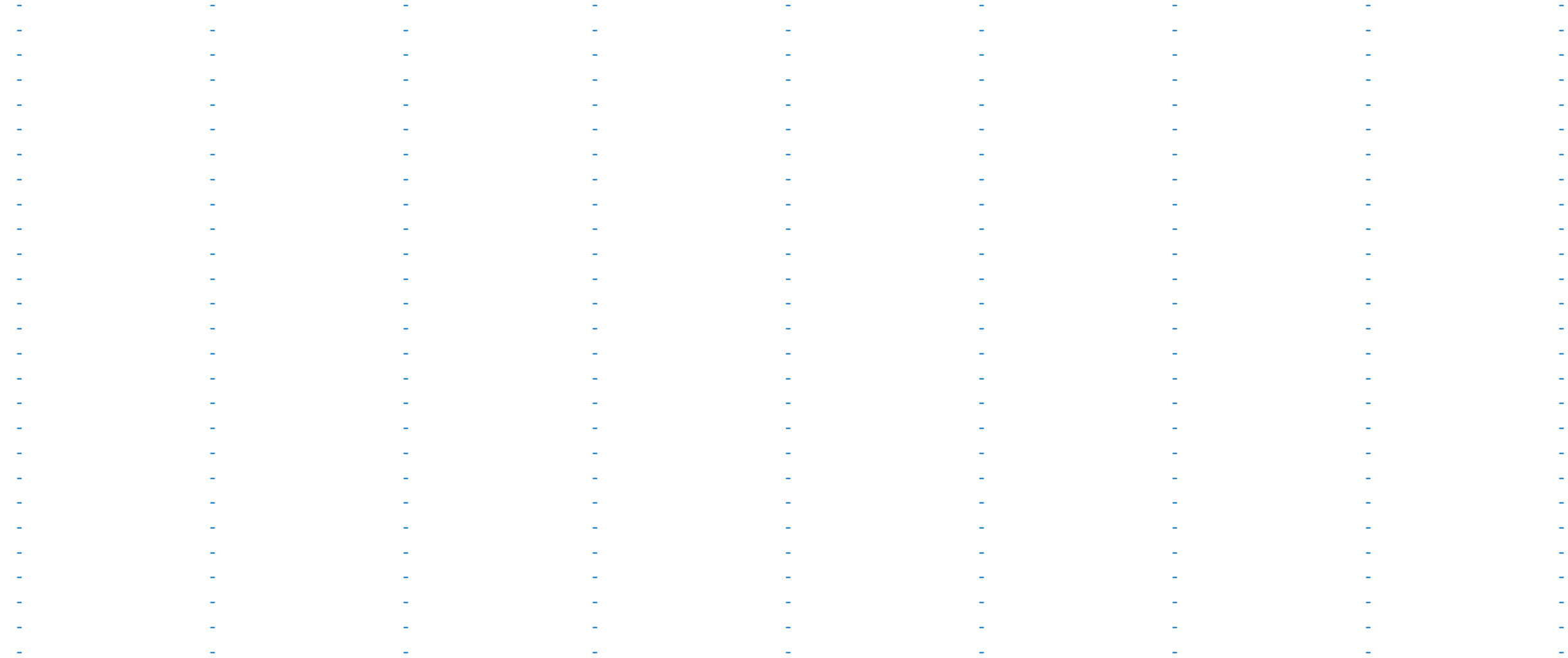
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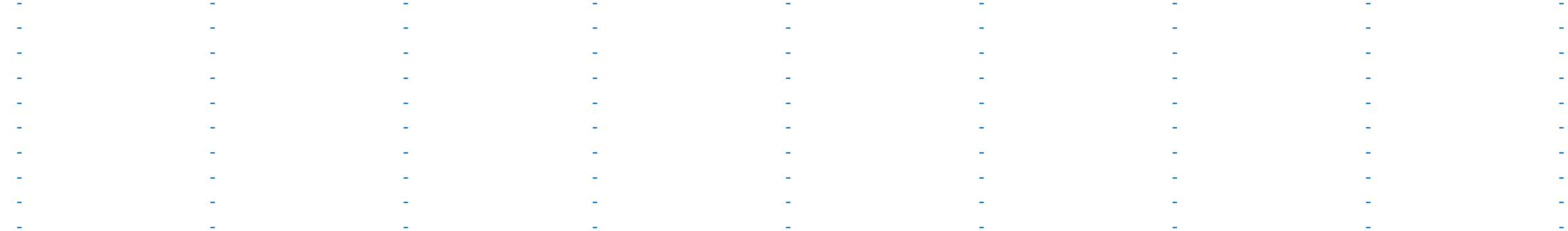
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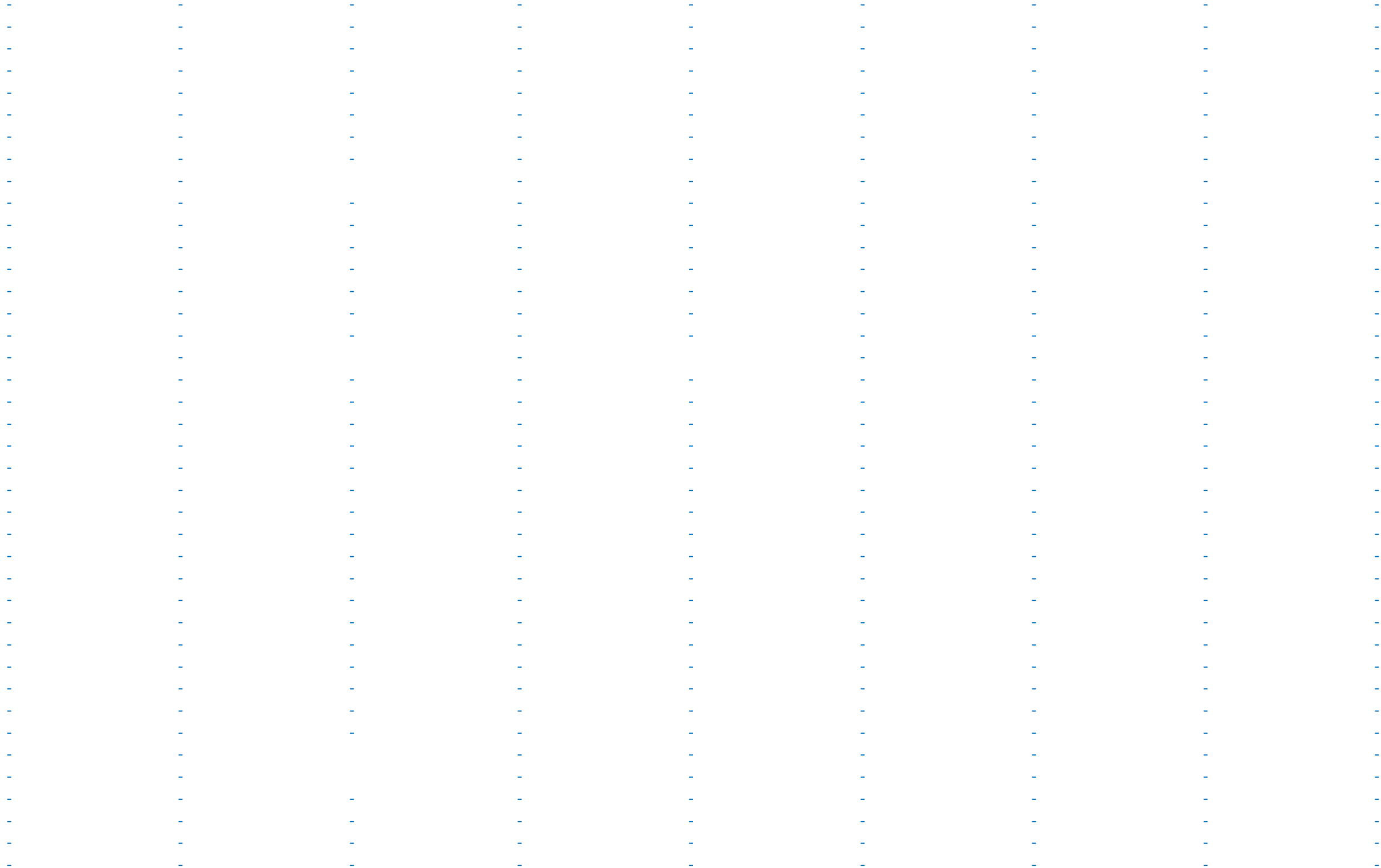
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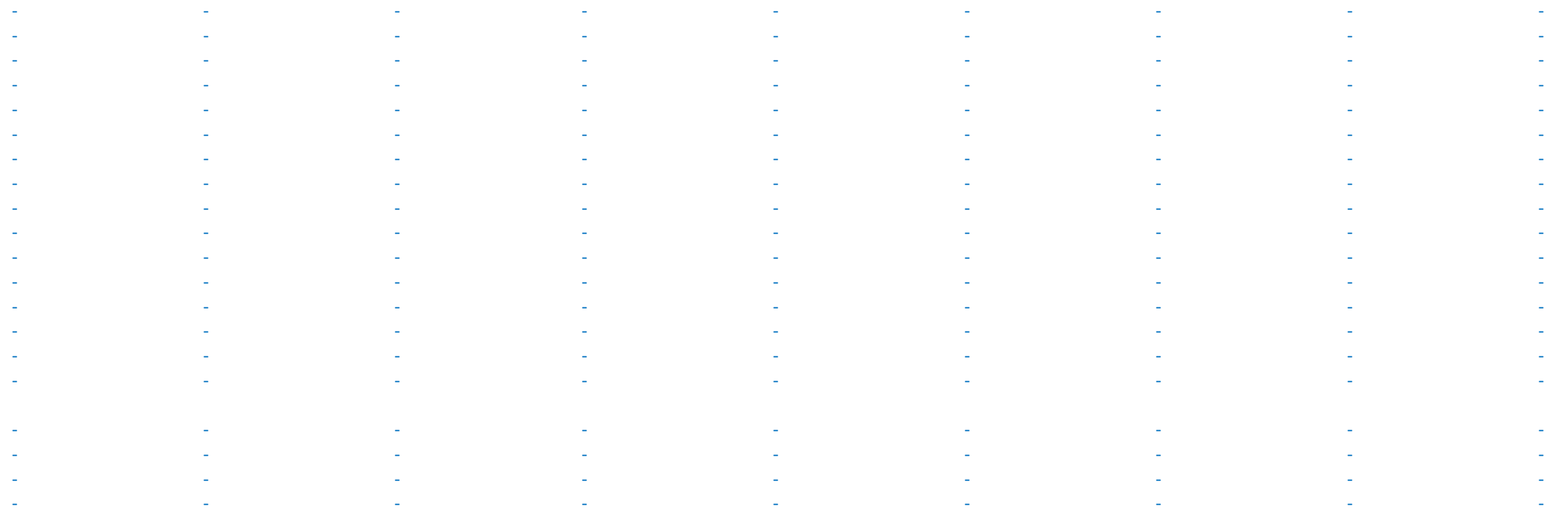
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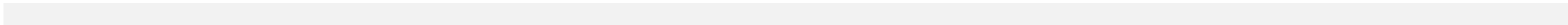
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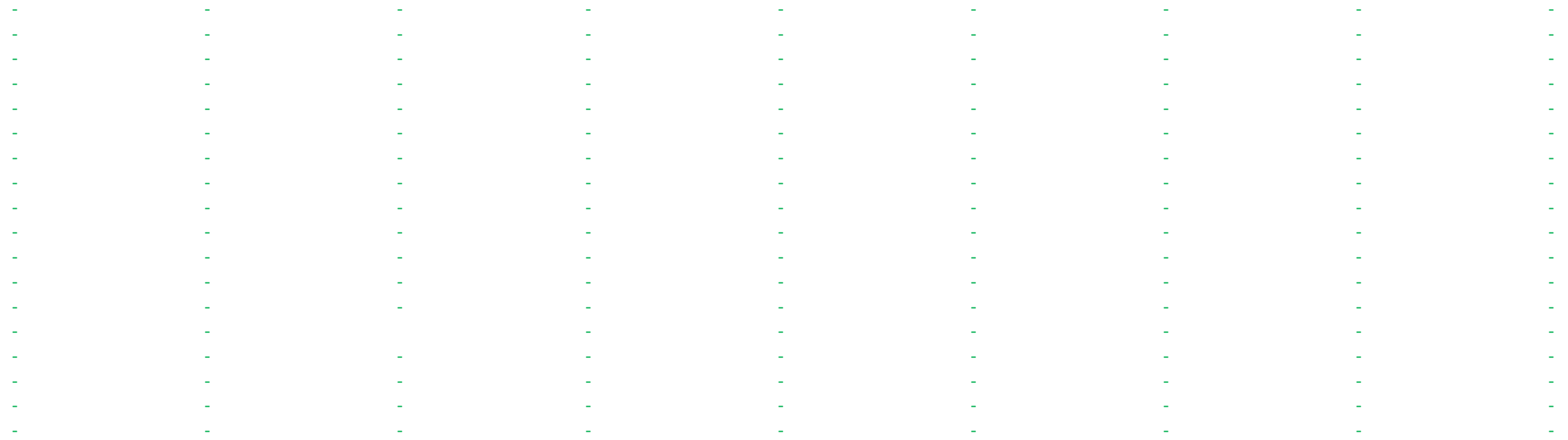
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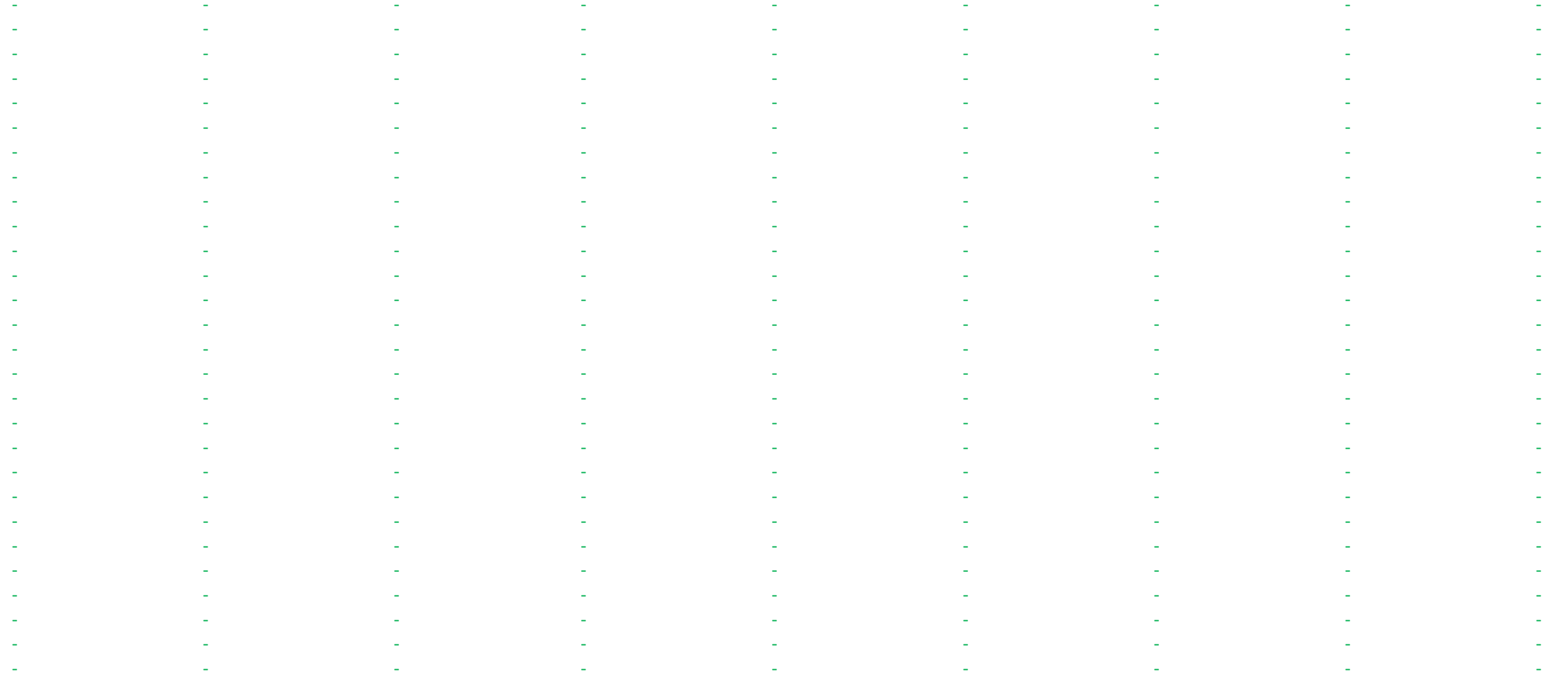
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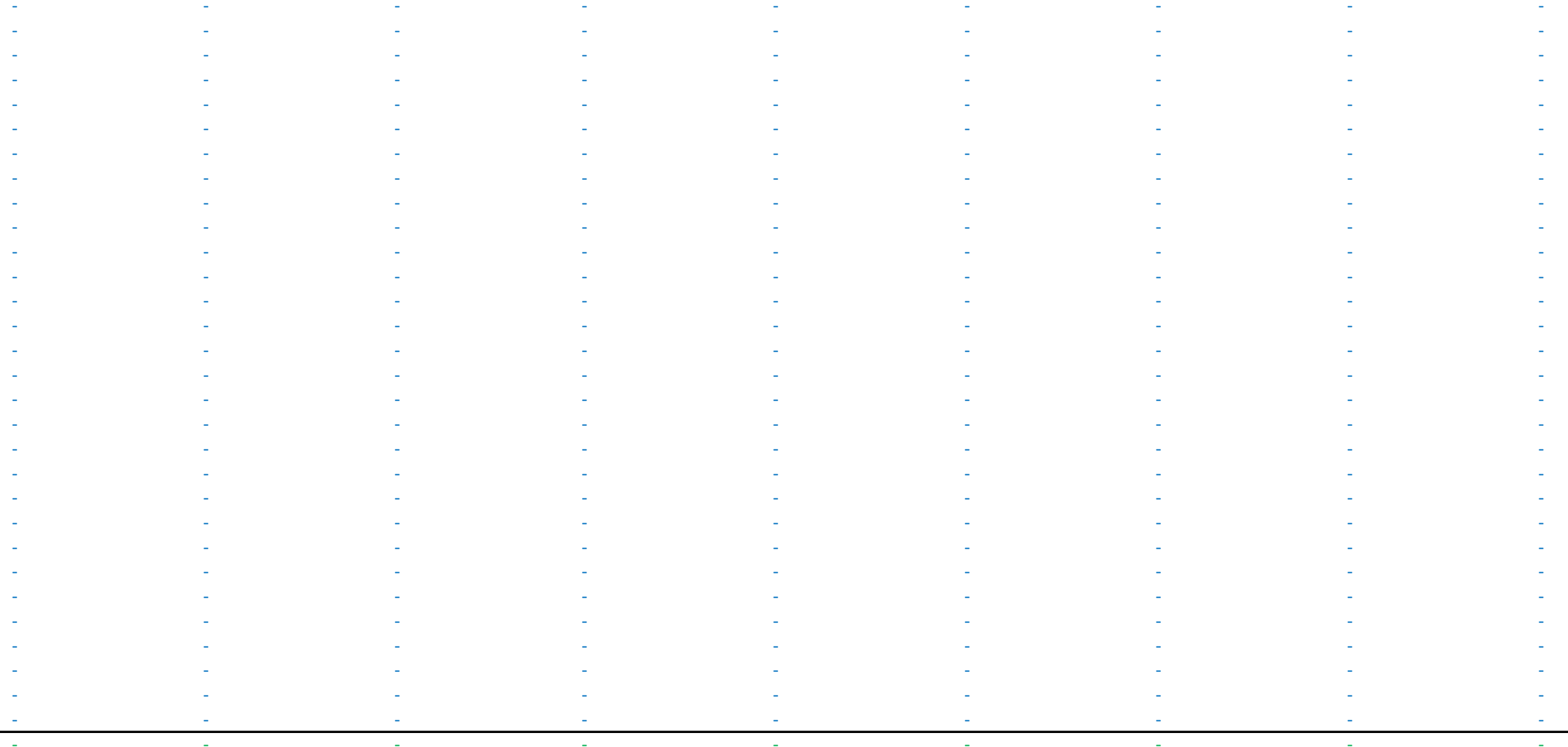
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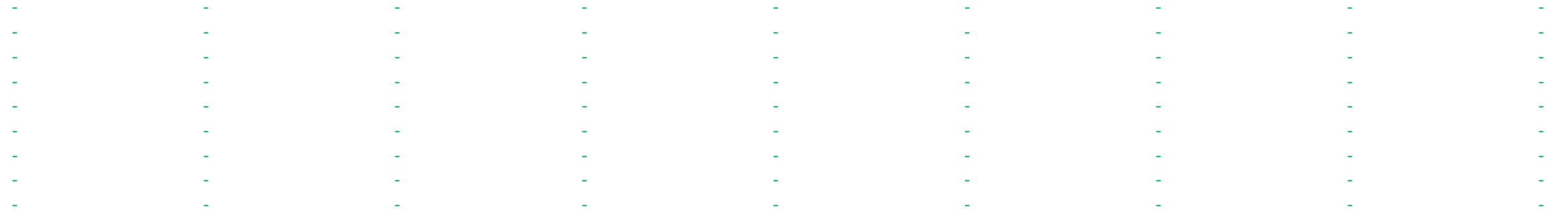
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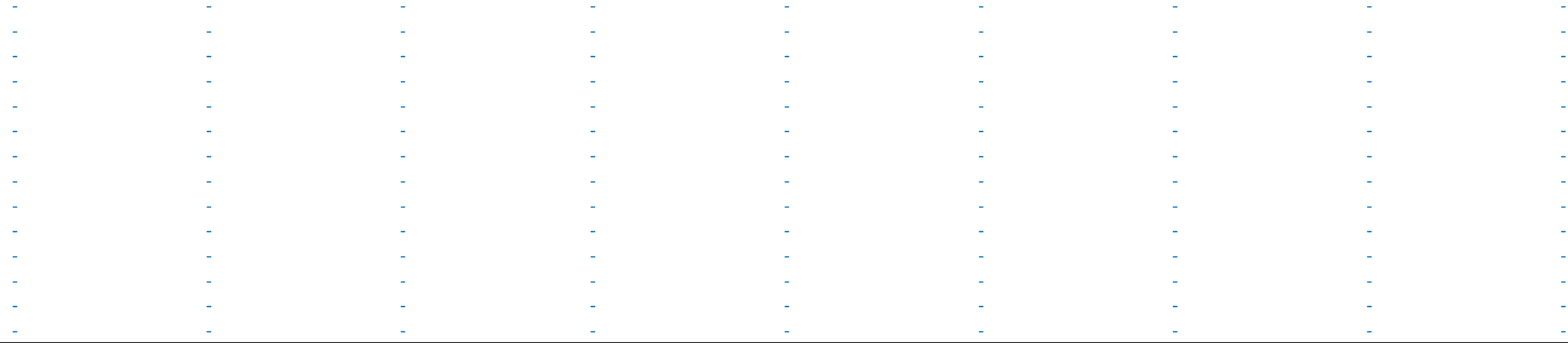
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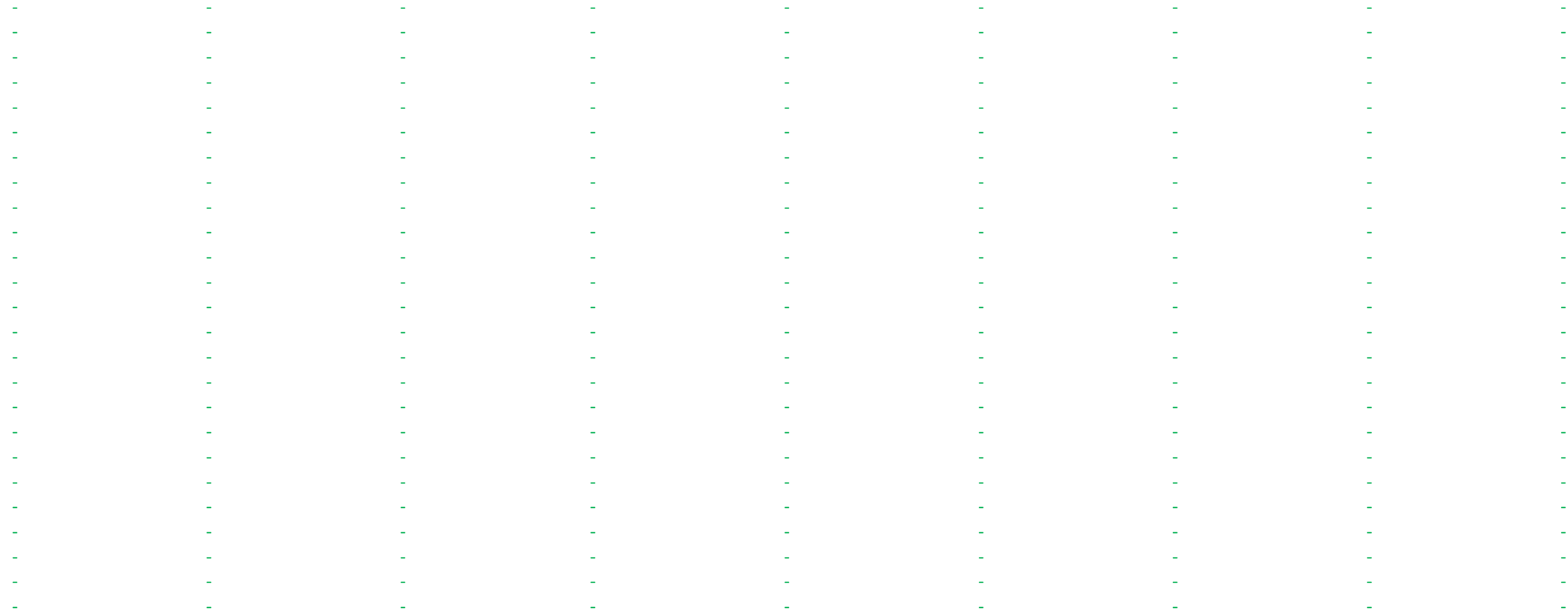


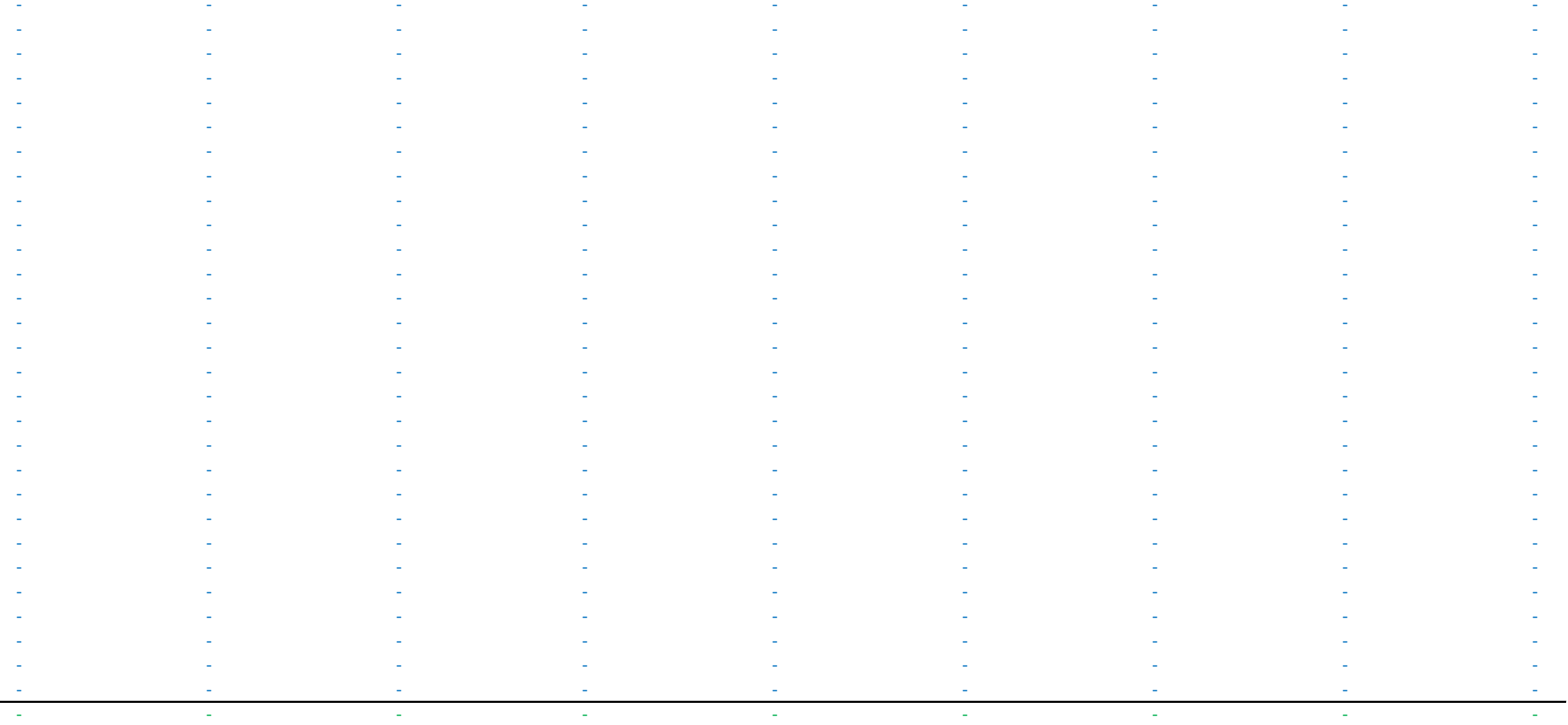


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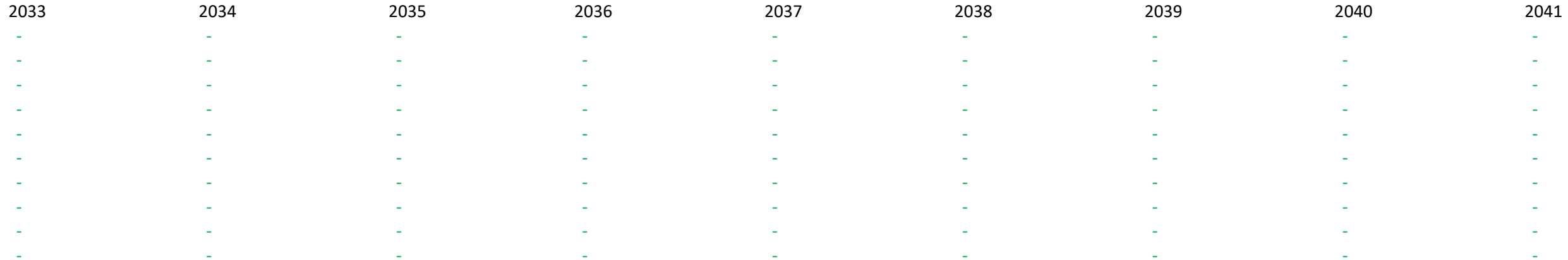
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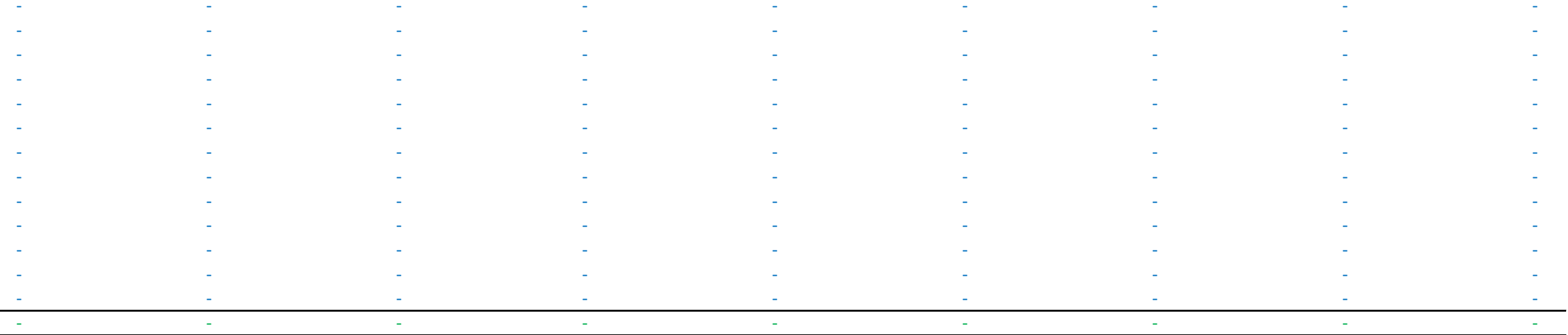


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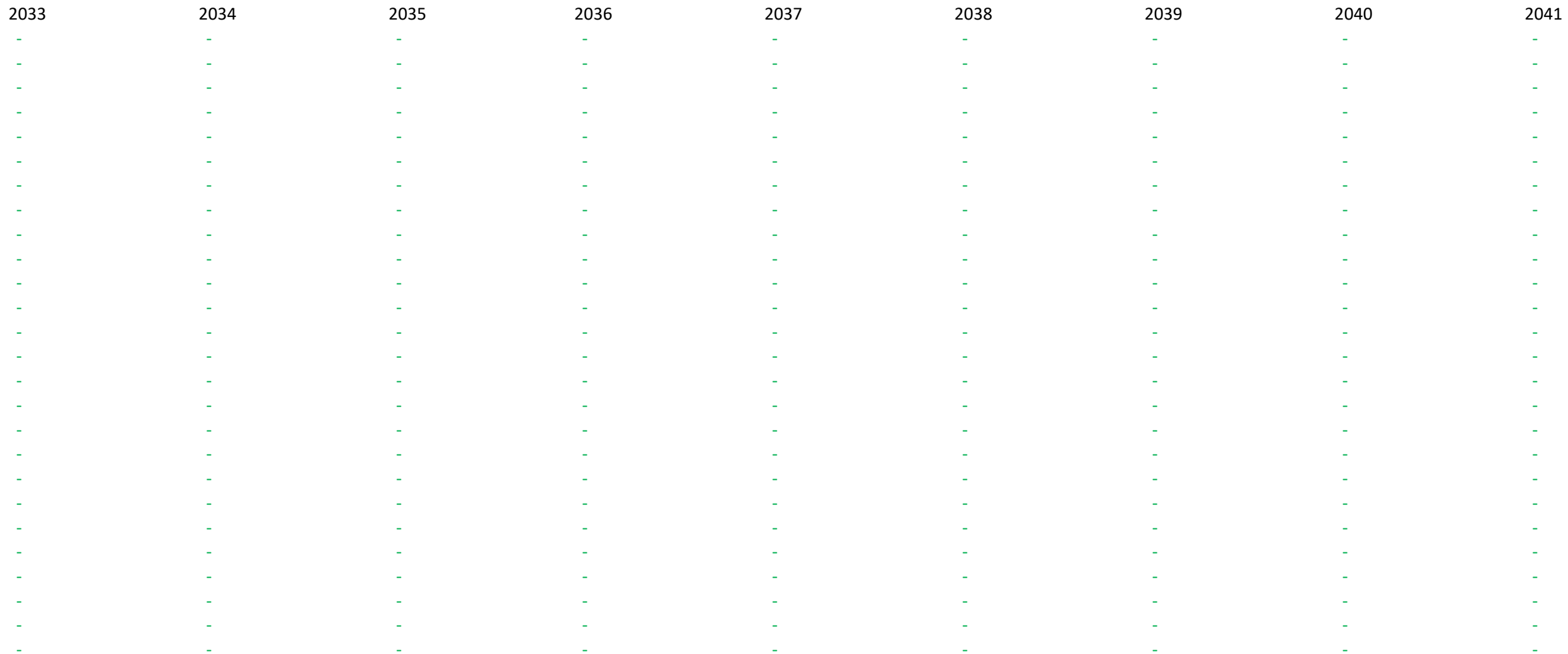


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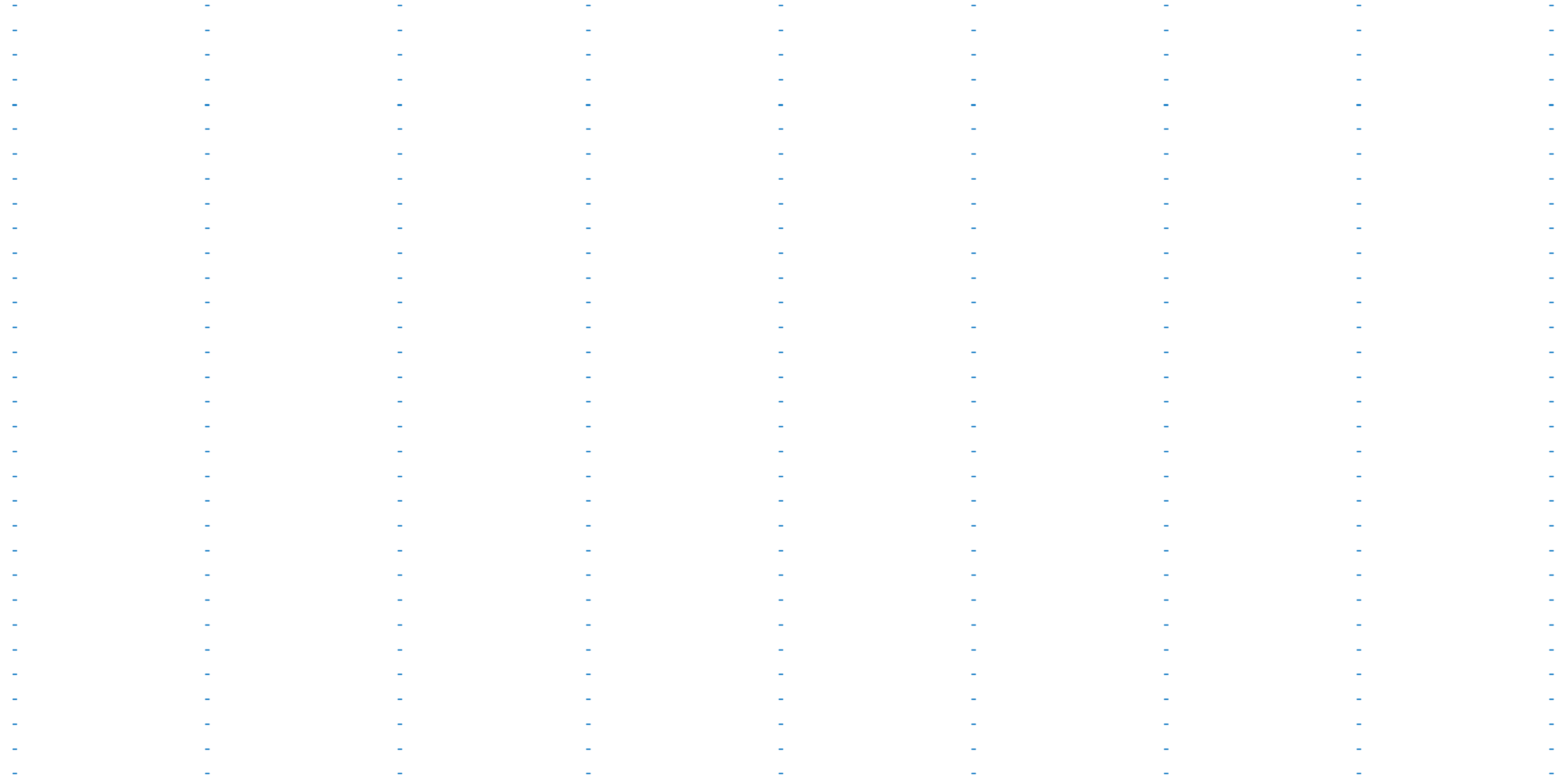


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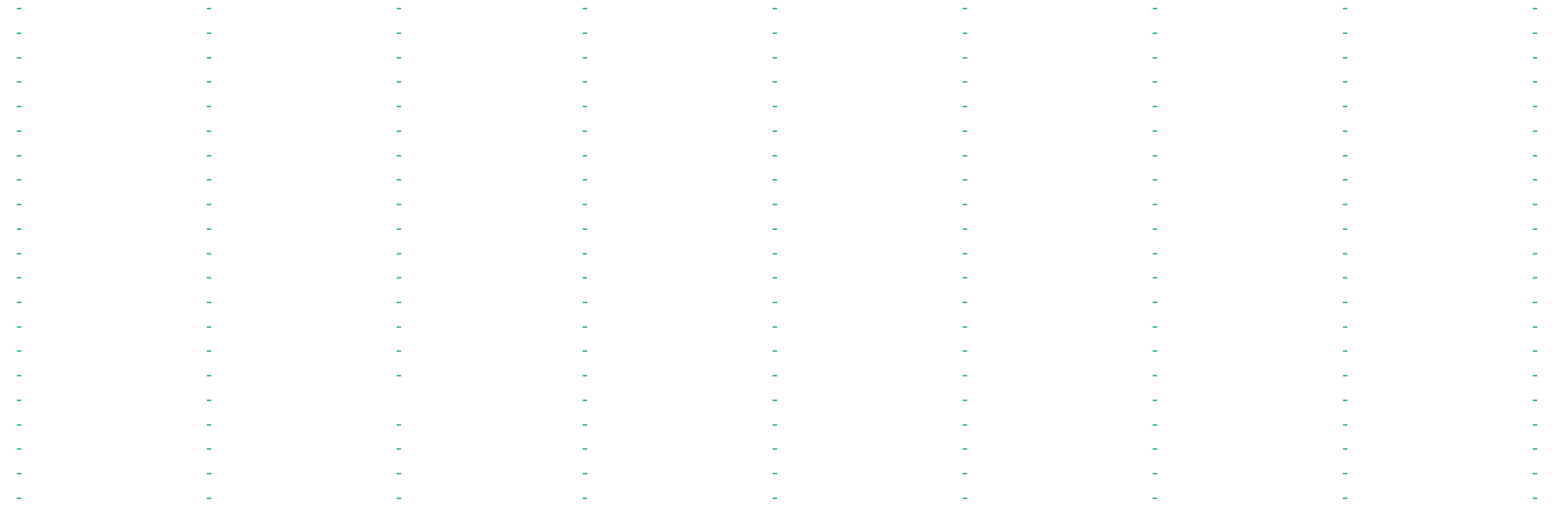
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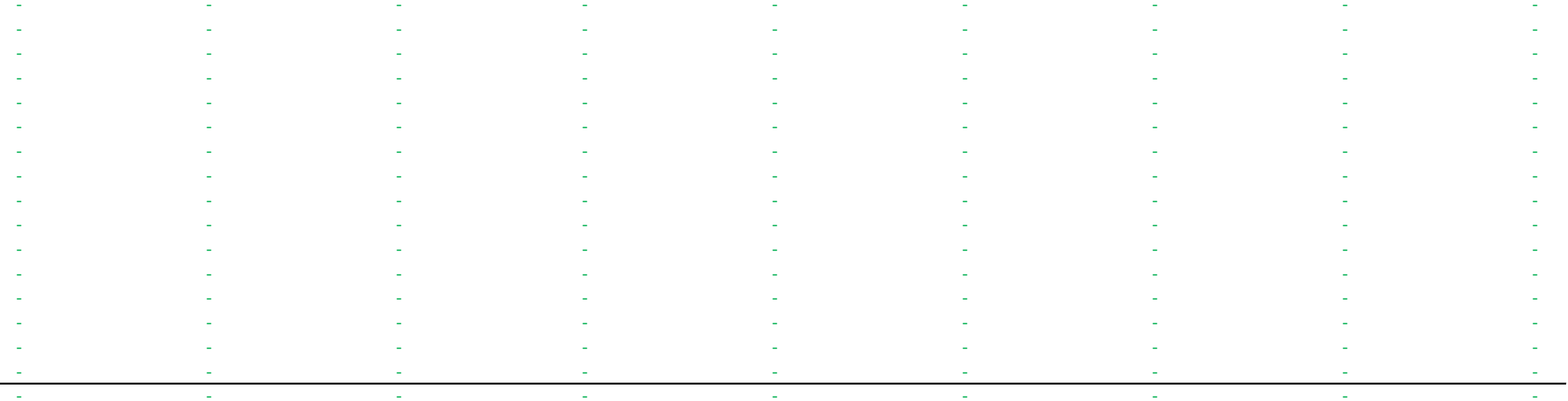


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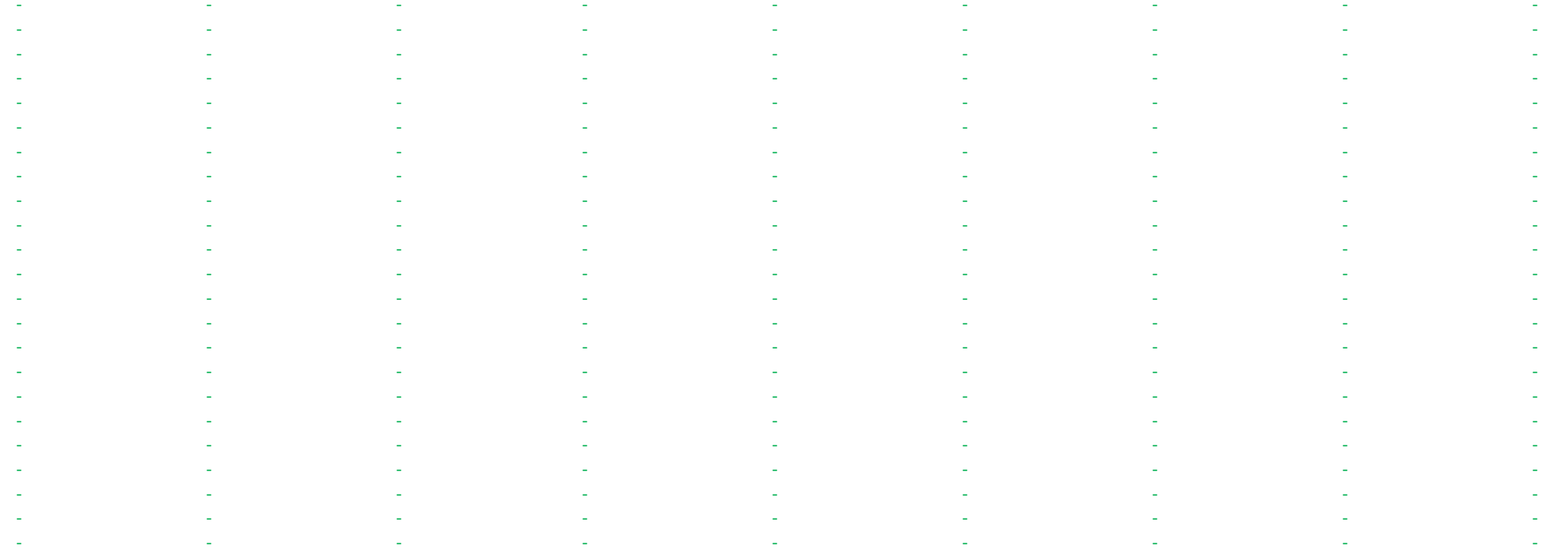
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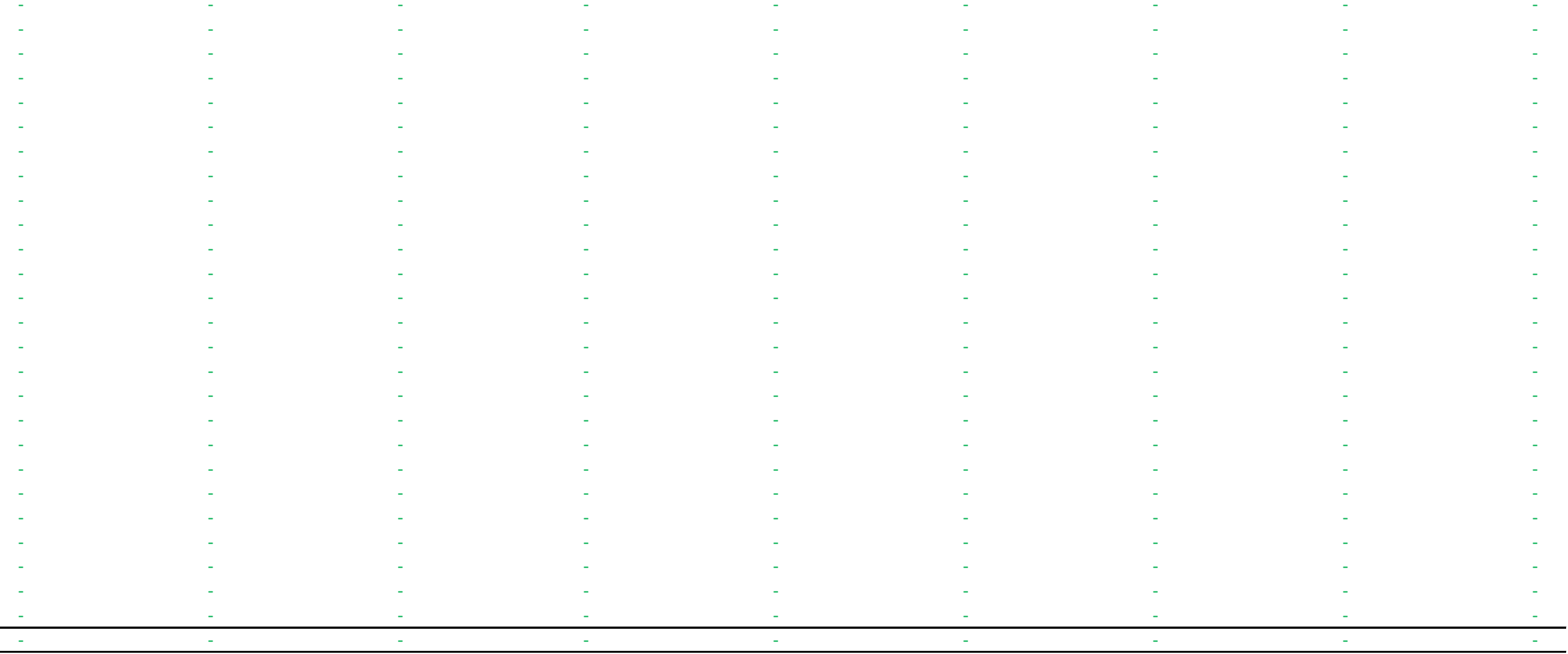


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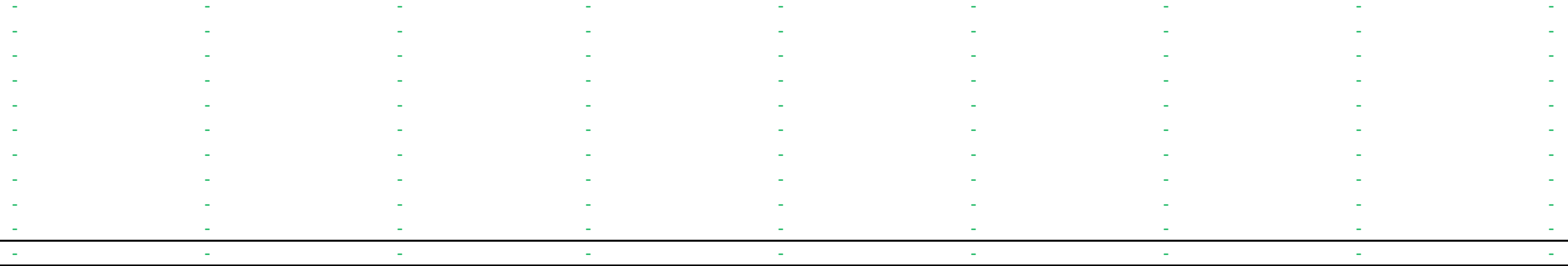
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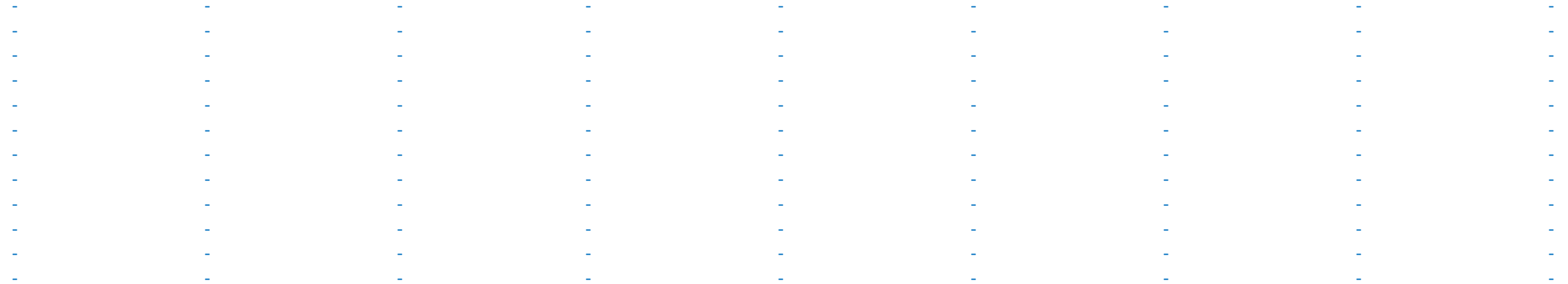
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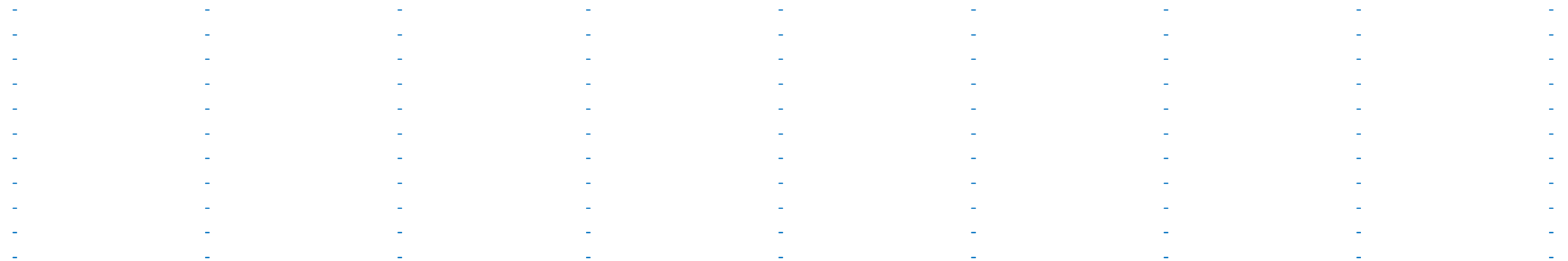
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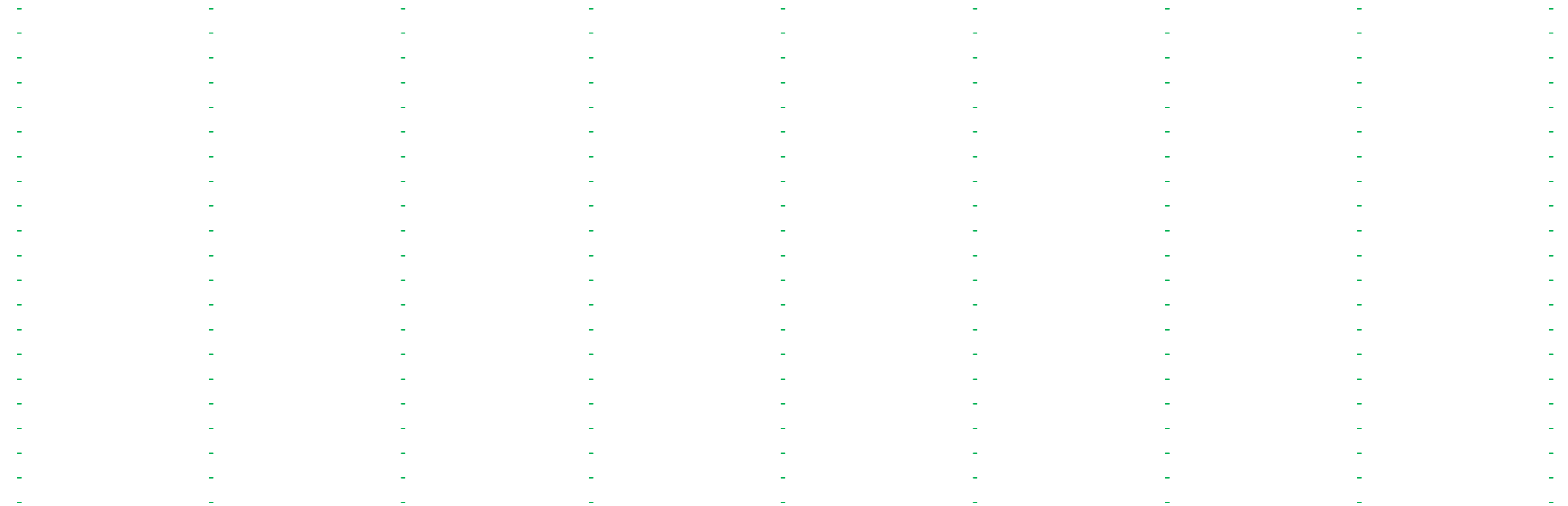
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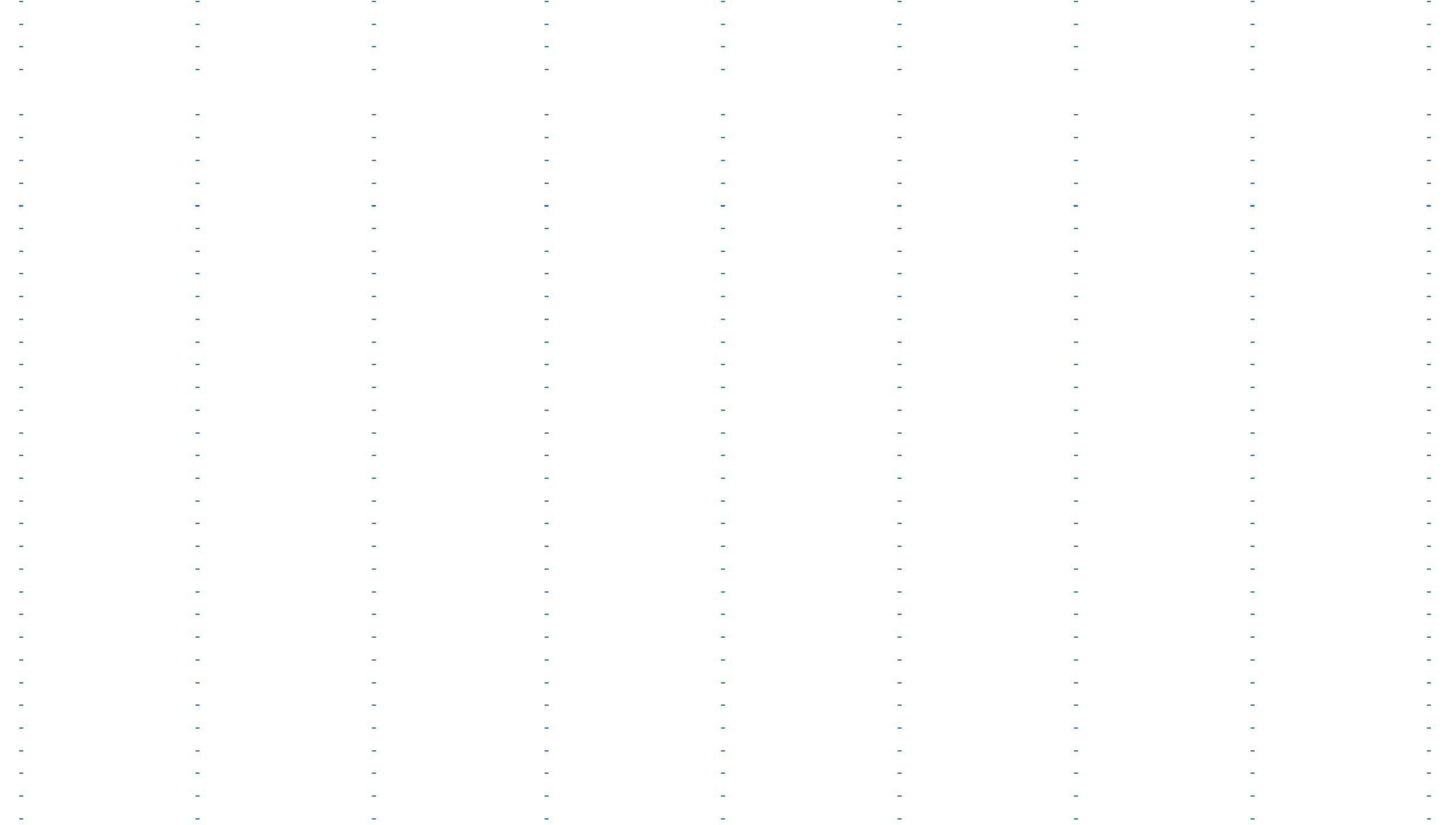
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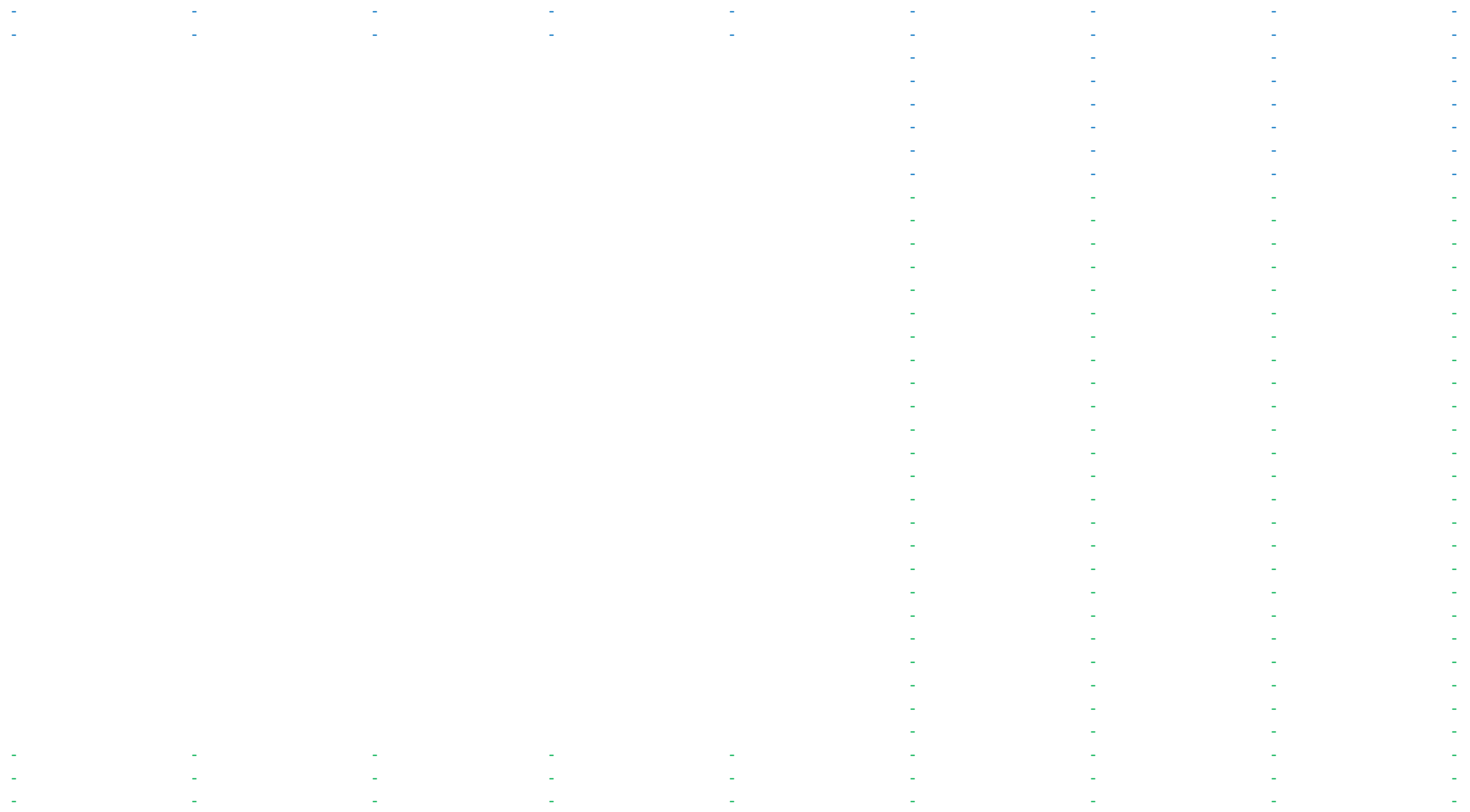
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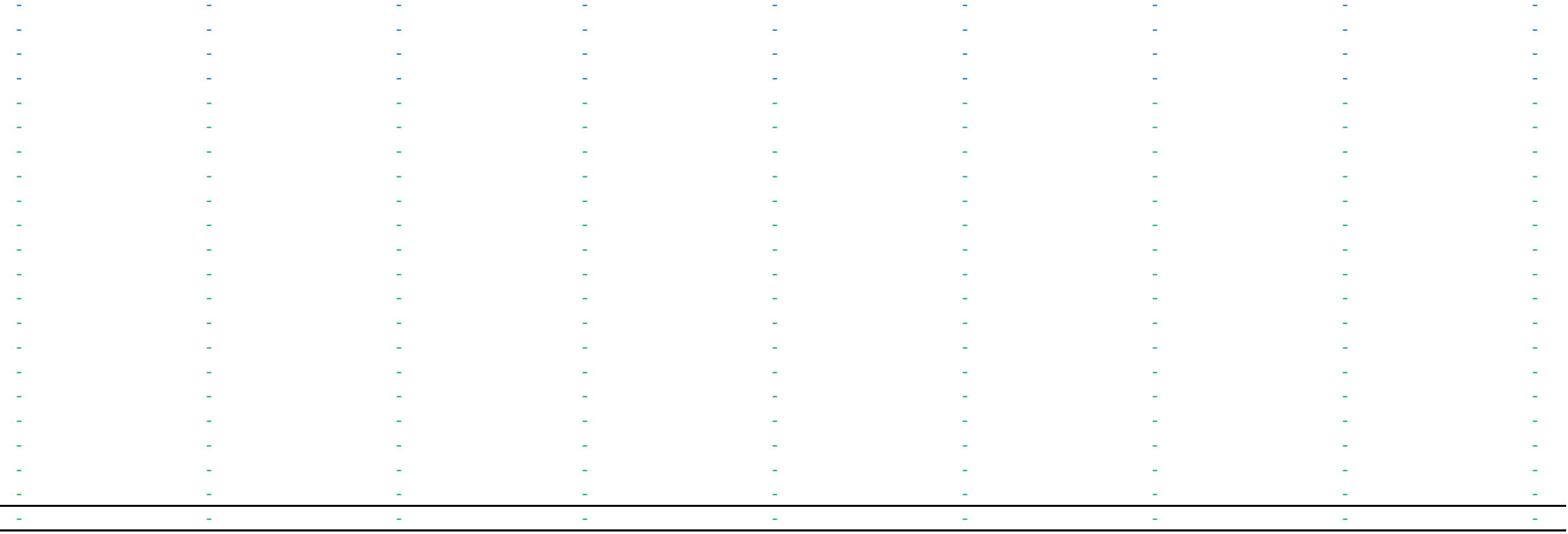
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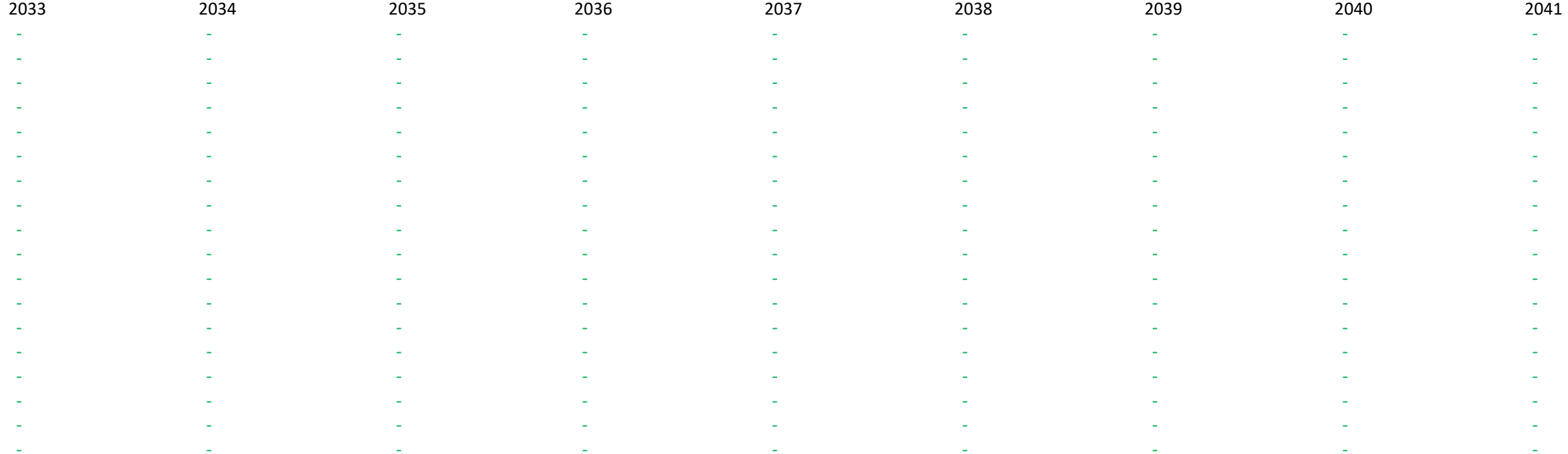
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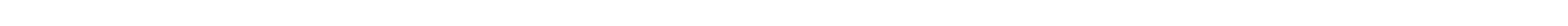
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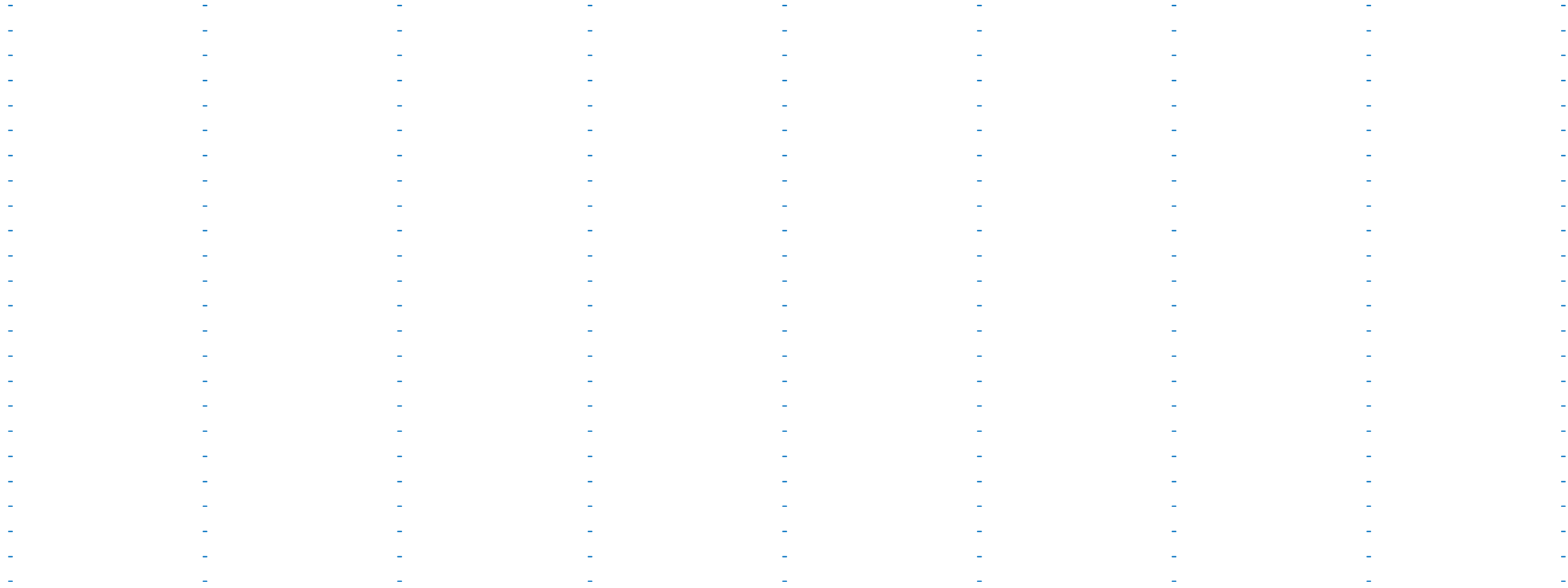
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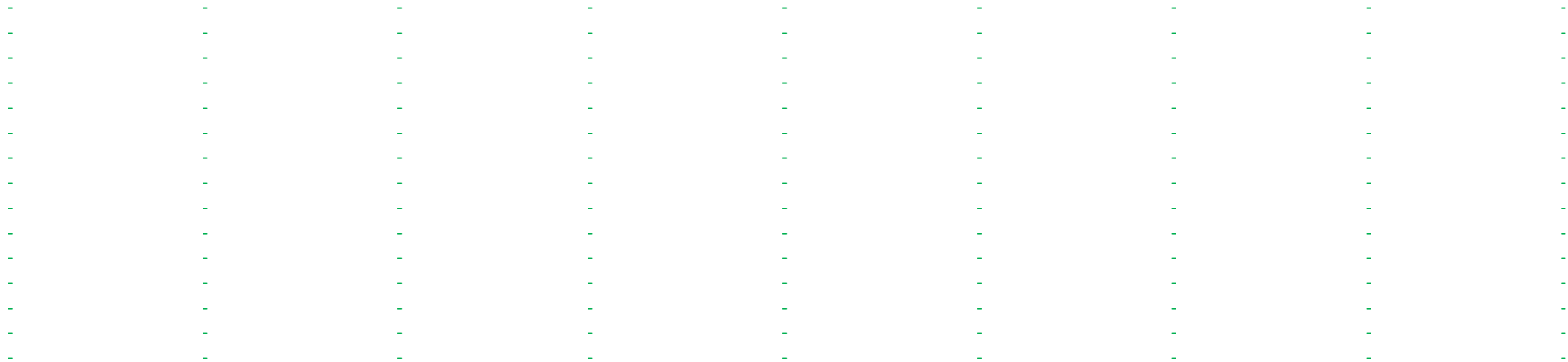
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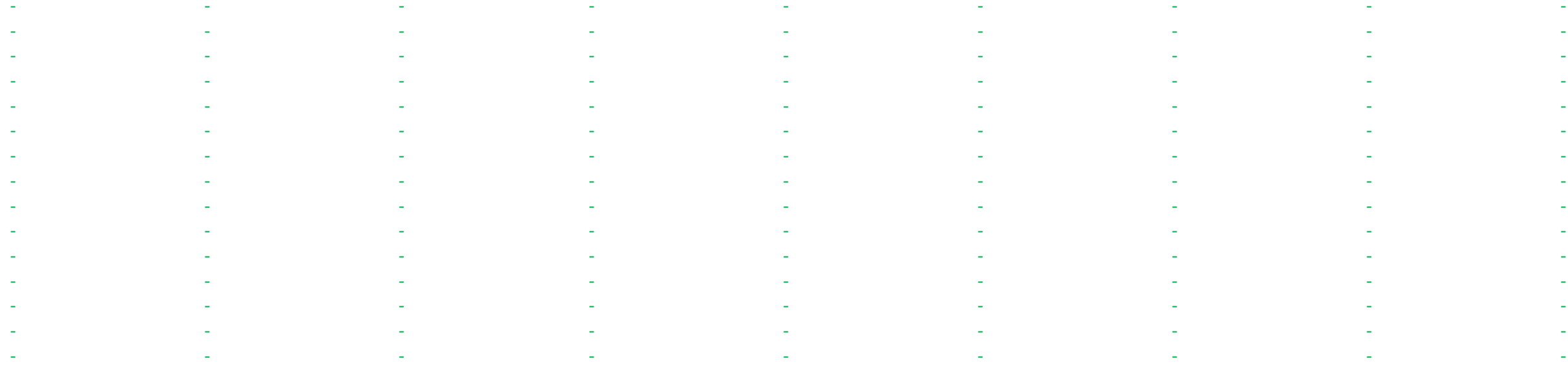
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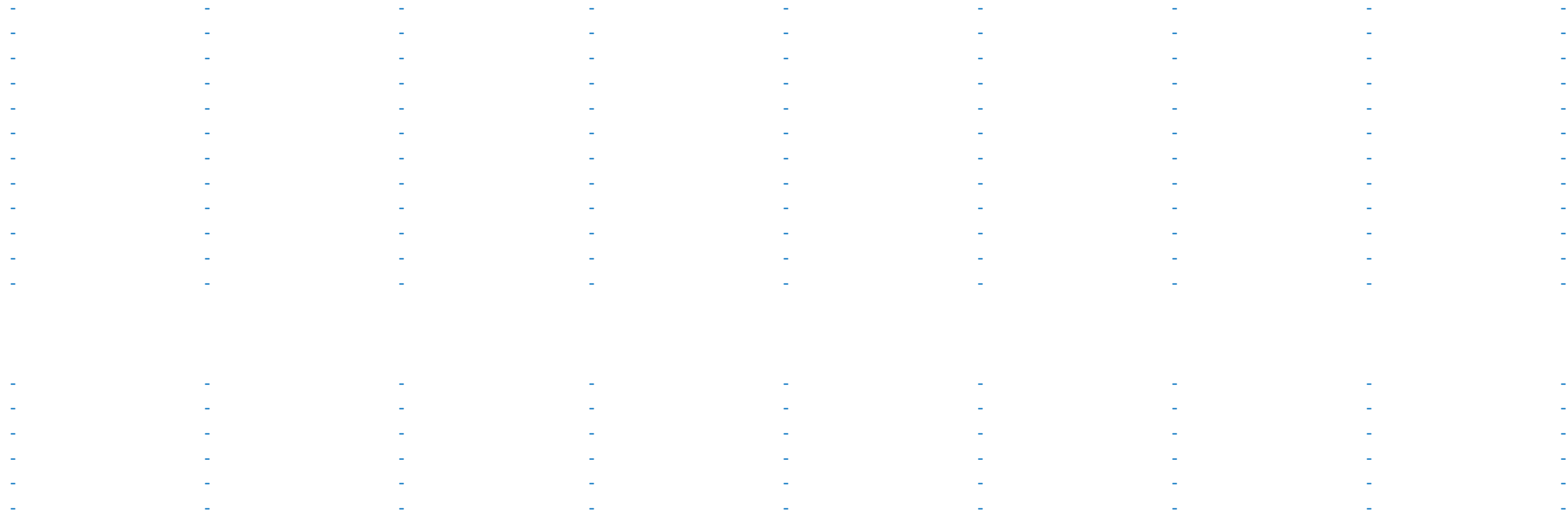
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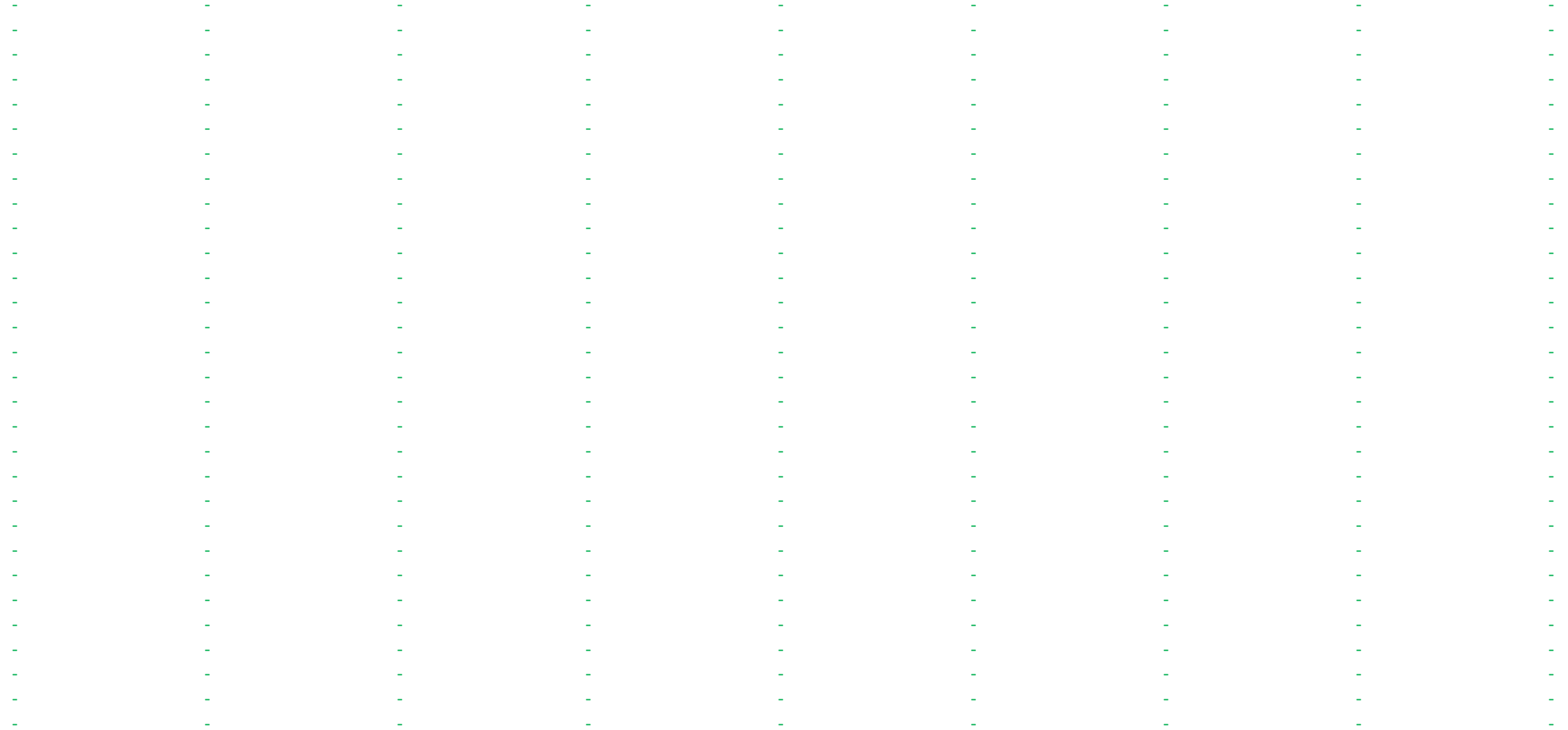
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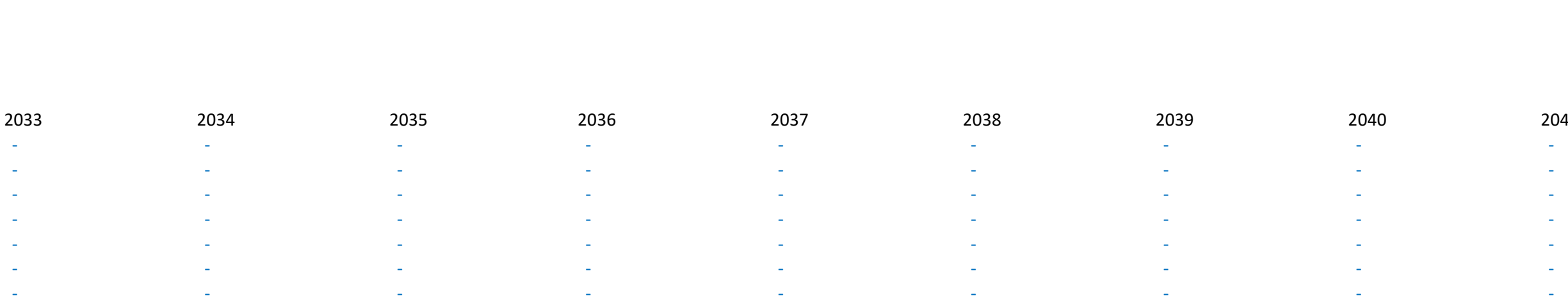
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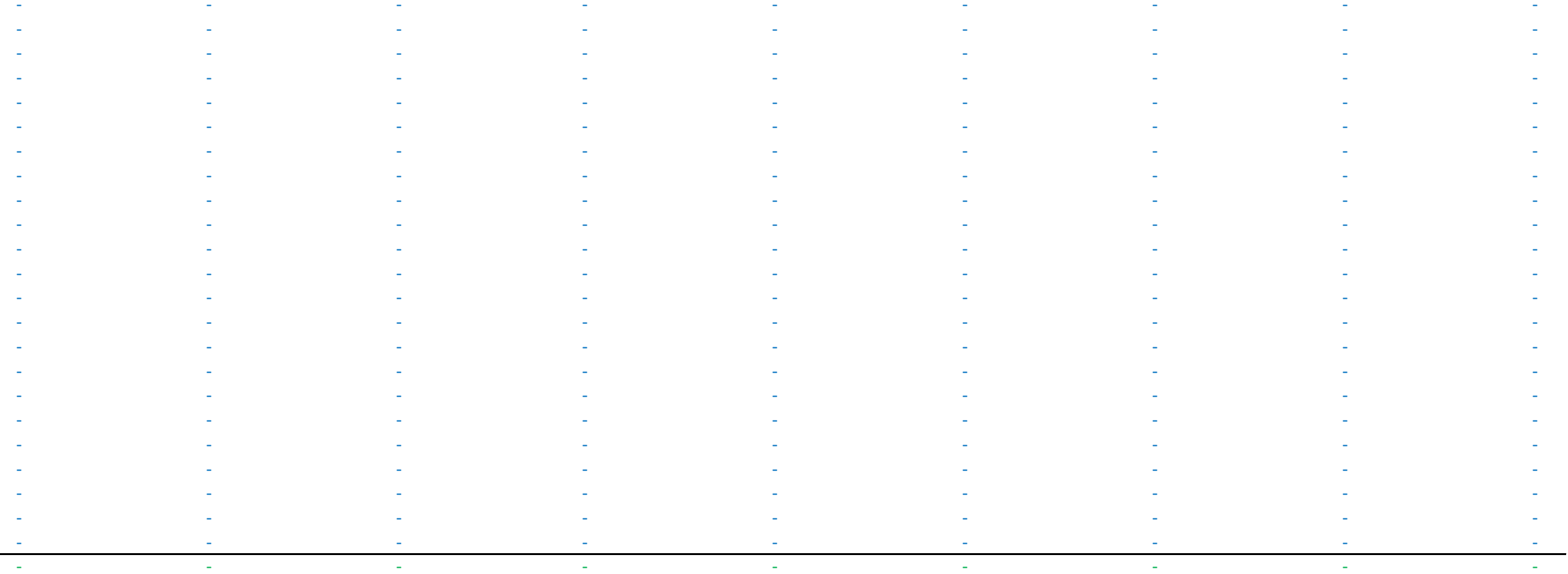


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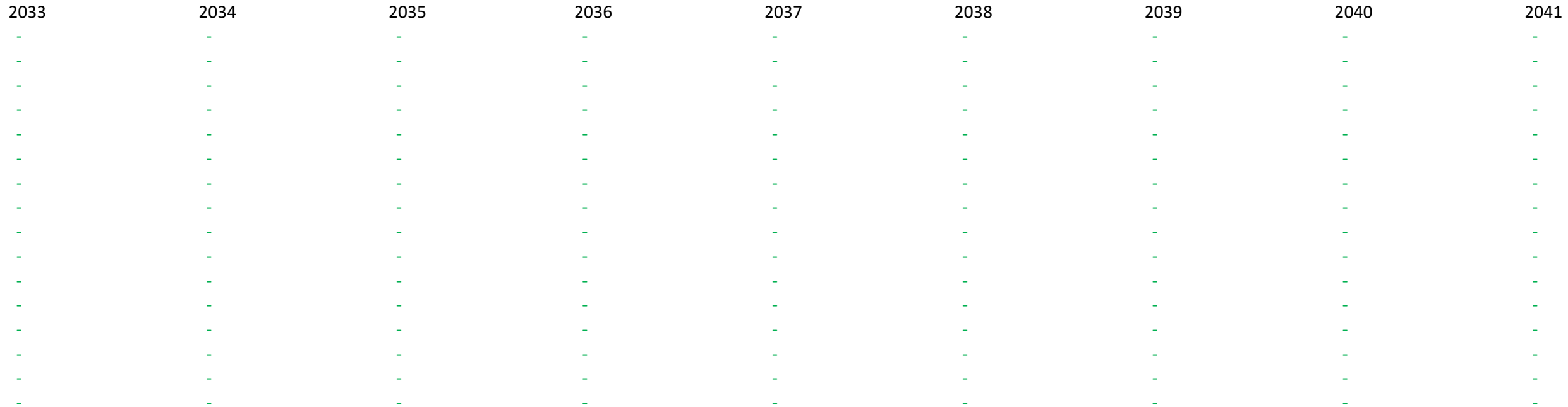
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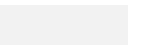


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2033 2034 2035 2036 2037 2038 2039 2040 2041



Portfolio Name

Revenue Requirement Buildup

Revenue Requirement Calc

20-Yr NPV

- * Book Depreciation
- * Total Generation O&M
- * Capital Charge
- * Taxes
- * **Total Revenue Requirement**
- Total Portfolio Demand (MWh)**
- Generation Rates (\$/MWh)**

NPV RR (20-Yr)

O&M Summary

Total O&M Costs

Portfolio Cost Check

- Variable O&M*
- * Total Portfolio Cost
 - * Total Owned Cost
 - * Net Market Purchases
 - * Market Purchases (Energy)
 - * Market Sales (Energy)
 - * Contract Cost
 - Contract Sales

Capacity Shortage Cost

- Other Fixed Costs*
- * Existing Unit FOM
 - * Existing Unit FOM Gas Adder

Iteration	Scenario	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	
Iteration_1	Construct_BG_BE_BL_BC	*
Iteration_1	Construct_BG_BE_BL_BC	*

Iteration_1	Construct_BG_BE_BL_BC	*		* Decomissioning
Iteration_1	Construct_BG_BE_BL_BC	*		* Non-Generation O&M
Iteration_1	Construct_BG_BE_BL_BC	*		* New Unit FOM + Adder
Iteration_1	Construct_BG_BE_BL_BC		CCGT	CCGT - FOM
Iteration_1	Construct_BG_BE_BL_BC		CT- Frame	CT- Frame - FOM
Iteration_1	Construct_BG_BE_BL_BC		CT- Aero	CT- Aero - FOM
Iteration_1	Construct_BG_BE_BL_BC		RICE	RICE - FOM
Iteration_1	Construct_BG_BE_BL_BC		PV- Single-axis Tracking	PV- Single-axis Tracking - FOM
Iteration_1	Construct_BG_BE_BL_BC		PV- Fixed Tilt	PV- Fixed Tilt - FOM
Iteration_1	Construct_BG_BE_BL_BC		Solar Tracking (NO IC)	Solar Tracking (NO IC) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Distributed PV (Community)	Distributed PV (Community) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Distributed PV (Residential)	Distributed PV (Residential) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Distributed PV (C&I)	Distributed PV (C&I) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Distributed RICE	Distributed RICE - FOM
Iteration_1	Construct_BG_BE_BL_BC		Small Modular Reactor	Small Modular Reactor - FOM
Iteration_1	Construct_BG_BE_BL_BC		CCS Retrofit on CC	CCS Retrofit on CC - FOM
Iteration_1	Construct_BG_BE_BL_BC		Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - FOM
Iteration_1	Construct_BG_BE_BL_BC		Hydrogen CC	Hydrogen CC - FOM
Iteration_1	Construct_BG_BE_BL_BC		Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Flow Battery- Long	Flow Battery- Long - FOM
Iteration_1	Construct_BG_BE_BL_BC		Gravity	Gravity - FOM
Iteration_1	Construct_BG_BE_BL_BC		RICE (NO IC)	RICE (NO IC) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - FO
Iteration_1	Construct_BG_BE_BL_BC		Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - FOM
Iteration_1	Construct_BG_BE_BL_BC		Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - FOM
Iteration_1	Construct_BG_BE_BL_BC		4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - FOM
Iteration_1	Construct_BG_BE_BL_BC			New Unit Subhourly / Ancillary Revenue
Iteration_1	Construct_BG_BE_BL_BC		CCGT	CCGT - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC		CT- Frame	CT- Frame - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC		CT- Aero	CT- Aero - SH/AS Rev

Iteration_1	Construct_BG_BE_BL_BC	RICE	RICE - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - SH/A
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - SH/A
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - SH/A
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - SH/AS
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - SH/AS F
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Distributed RICE - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Small Modular Reactor - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Hydrogen CC - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - SH/AS
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Flow Battery- Long - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Gravity - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	RICE (NO IC) - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - SH,
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - SH/AS
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - SH/AS
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - SH/AS Rev
Iteration_1	Construct_BG_BE_BL_BC		Avoided Distribution Revenue
Iteration_1	Construct_BG_BE_BL_BC	CCGT	CCGT - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	CT- Frame - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	CT- Aero - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	RICE	RICE - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - Avoided D F
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - Avoided D Re
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - Avoid
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - Avoid

Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Distributed RICE - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Small Modular Reactor - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Hydrogen CC - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Flow Battery- Long - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Gravity - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	RICE (NO IC) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - Avoided D Rev
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - Avoided D Rev
Rate Base Calculation			
Iteration_1	Construct_BG_BE_BL_BC		Starting Rate Base
Iteration_1	Construct_BG_BE_BL_BC		CapEx
Iteration_1	Construct_BG_BE_BL_BC		New CapEx (Including AFUDC)
Iteration_1	Construct_BG_BE_BL_BC	CCGT	New CCGT CapEx
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	New CT- Frame CapEx
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	New CT- Aero CapEx
Iteration_1	Construct_BG_BE_BL_BC	RICE	New RICE CapEx
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx

Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	New Distributed RICE CapEx
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx
Iteration_1	Construct_BG_BE_BL_BC	Gravity	New Gravity CapEx
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	CCGT	New CCGT CapEx
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	New CT- Frame CapEx
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	New CT- Aero CapEx
Iteration_1	Construct_BG_BE_BL_BC	RICE	New RICE CapEx
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	New Distributed RICE CapEx
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx

Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx
Iteration_1	Construct_BG_BE_BL_BC	Gravity	New Gravity CapEx
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx
Iteration_1	Construct_BG_BE_BL_BC	Ongoing CapEx - Peakers	Ongoing CapEx - Peakers
Iteration_1	Construct_BG_BE_BL_BC	Ongoing CapEx - Other Gen and Non Gen	Ongoing CapEx - Other Gen and Non Gen
Iteration_1	Construct_BG_BE_BL_BC	Transmission Upgrade CapEx	Transmission Upgrade CapEx
Iteration_1	Construct_BG_BE_BL_BC		Ongoing CapEx - New
Iteration_1	Construct_BG_BE_BL_BC	CCGT	Ongoing CapEx CCGT
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	Ongoing CapEx CT- Frame
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	Ongoing CapEx CT- Aero
Iteration_1	Construct_BG_BE_BL_BC	RICE	Ongoing CapEx RICE
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	Ongoing CapEx PV- Single-axis Tracking
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	Ongoing CapEx PV- Fixed Tilt
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	Ongoing CapEx Solar Tracking (NO IC)
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	Ongoing CapEx Utility-scale PV + Storage (4:1)
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	Ongoing CapEx Utility-scale PV + Storage (2:1)
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	Ongoing CapEx Distributed PV + Storage (2:1)
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	Ongoing CapEx Distributed PV (Community)
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	Ongoing CapEx Distributed PV (Residential)
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	Ongoing CapEx Distributed PV (C&I)
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	Ongoing CapEx Distributed RICE
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	Ongoing CapEx Small Modular Reactor
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	Ongoing CapEx CCS Retrofit on CC
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	Ongoing CapEx Hydrogen Retrofit on CC
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	Ongoing CapEx Hydrogen CC
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	Ongoing CapEx Lithium-Ion (4-hr)
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	Ongoing CapEx Distributed Lithium-Ion (4-hr)

Iteration_1	Construct_BG_BE_BL_BC	Flow Battery- Long	Ongoing CapEx Flow Battery- Long
Iteration_1	Construct_BG_BE_BL_BC	Gravity	Ongoing CapEx Gravity
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	Ongoing CapEx RICE (NO IC)
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Ongoing CapEx Hydrogen Retrofit on CC (NO IC)
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Ongoing CapEx Utility Scale S+B (2:1) (NO IC)
Iteration_1	Construct_BG_BE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Ongoing CapEx Utility Scale S+B (4:1) (NO IC)
Iteration_1	Construct_BG_BE_BL_BC	4-Hr Li Storage (NO IC)	Ongoing CapEx 4-Hr Li Storage (NO IC)
Iteration_1	Construct_BG_BE_BL_BC		Depreciation - New
Iteration_1	Construct_BG_BE_BL_BC		Change in Deferred Tax Liability
Iteration_1	Construct_BG_BE_BL_BC		Depreciation - Existing
Iteration_1	Construct_BG_BE_BL_BC		Ending Rate Base
Iteration_1	Construct_BG_BE_BL_BC		Property Taxes
			Existing Plant
Iteration_1	Construct_BG_BE_BL_BC		Asbury
Iteration_1	Construct_BG_BE_BL_BC		Energy Center 1/2
Iteration_1	Construct_BG_BE_BL_BC		Energy Center 3/4
Iteration_1	Construct_BG_BE_BL_BC		Riverton 10/11
Iteration_1	Construct_BG_BE_BL_BC		Riverton CC
Iteration_1	Construct_BG_BE_BL_BC		State Line 1
Iteration_1	Construct_BG_BE_BL_BC		State Line CC
Iteration_1	Construct_BG_BE_BL_BC		Plum Point (Ownership)
Iteration_1	Construct_BG_BE_BL_BC		Iatan 1
Iteration_1	Construct_BG_BE_BL_BC		Iatan 2
Iteration_1	Construct_BG_BE_BL_BC		Ozark Beach 5, 6, 7, and 8
Iteration_1	Construct_BG_BE_BL_BC		Neosho Ridge Wind - 116
Iteration_1	Construct_BG_BE_BL_BC		Kings Point Wind - 117
Iteration_1	Construct_BG_BE_BL_BC		North Fork Ridge Wind - 118
Iteration_1	Construct_BG_BE_BL_BC		Prosperity Solar - 119
Iteration_1	Construct_BG_BE_BL_BC		Total
Iteration_1	Construct_BG_BE_BL_BC		Asbury

Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC
Iteration_1 Construct_BG_BE_BI_BC

Energy Center 1/2
Energy Center 3/4
Riverton 10/11
Riverton CC
State Line 1
State Line CC
Plum Point (Ownership)
Iatan 1
Iatan 2
Ozark Beach 5, 6, 7, and 8
Neosho Ridge Wind - 116
Kings Point Wind - 117
North Fork Ridge Wind - 118
Prosperity Solar - 119
Total

Asbury
Energy Center 1/2
Energy Center 3/4
Riverton 10/11
Riverton CC
State Line 1
State Line CC
Plum Point (Ownership)
Iatan 1
Iatan 2
Ozark Beach 5, 6, 7, and 8
Neosho Ridge Wind - 116
Kings Point Wind - 117
North Fork Ridge Wind - 118
Prosperity Solar - 119
Total

AFUDC Calc

Iteration_1	Construct_BG_BE_BL_BC	CCGT	New CCGT Schedule
Iteration_1	Construct_BG_BE_BL_BC	CT- Frame	New CT- Frame Schedule
Iteration_1	Construct_BG_BE_BL_BC	CT- Aero	New CT- Aero Schedule
Iteration_1	Construct_BG_BE_BL_BC	RICE	New RICE Schedule
Iteration_1	Construct_BG_BE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking Schedule
Iteration_1	Construct_BG_BE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt Schedule
Iteration_1	Construct_BG_BE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Distributed RICE	New Distributed RICE Schedule
Iteration_1	Construct_BG_BE_BL_BC	Small Modular Reactor	New Small Modular Reactor Schedule
Iteration_1	Construct_BG_BE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC Schedule
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC Schedule
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen CC	New Hydrogen CC Schedule
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_1	Construct_BG_BE_BL_BC	RICE (NO IC)	New RICE (NO IC) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule
Iteration_1	Construct_BG_BE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_1	Construct_BG_BE_BL_BC		New CCGT AFUDC
Iteration_1	Construct_BG_BE_BL_BC		New CT- Frame AFUDC
Iteration_1	Construct_BG_BE_BL_BC		New CT- Aero AFUDC
Iteration_1	Construct_BG_BE_BL_BC		New RICE AFUDC
Iteration_1	Construct_BG_BE_BL_BC		New PV- Single-axis Tracking AFUDC
Iteration_1	Construct_BG_BE_BL_BC		New PV- Fixed Tilt AFUDC
Iteration_1	Construct_BG_BE_BL_BC		New Solar Tracking (NO IC) AFUDC

Iteration_1	Construct_BG_BE_BL_BC	40	2037
Iteration_1	Construct_BG_BE_BL_BC	40	2038
Iteration_1	Construct_BG_BE_BL_BC	40	2039
Iteration_1	Construct_BG_BE_BL_BC	40	2040
Iteration_1	Construct_BG_BE_BL_BC	40	2041
Iteration_1	Construct_BG_BE_BL_BC	40	2042
Iteration_1	Construct_BG_BE_BL_BC	40	2043
Iteration_1	Construct_BG_BE_BL_BC	40	2044
Iteration_1	Construct_BG_BE_BL_BC	40	2045
Iteration_1	Construct_BG_BE_BL_BC	40	2046
Iteration_1	Construct_BG_BE_BL_BC	40	2047
Iteration_1	Construct_BG_BE_BL_BC	40	2048
Iteration_1	Construct_BG_BE_BL_BC	40	2049
Iteration_1	Construct_BG_BE_BL_BC	40	2050
Iteration_1	Construct_BG_BE_BL_BC	40	2051
Iteration_1	Construct_BG_BE_BL_BC	40	2052
Iteration_1	Construct_BG_BE_BL_BC	40	2053
Iteration_1	Construct_BG_BE_BL_BC	40	2054
Iteration_1	Construct_BG_BE_BL_BC	40	2055
Iteration_1	Construct_BG_BE_BL_BC	40	2056
Iteration_1	Construct_BG_BE_BL_BC	40	2057
Iteration_1	Construct_BG_BE_BL_BC	40	2058
Iteration_1	Construct_BG_BE_BL_BC	40	2059
Iteration_1	Construct_BG_BE_BL_BC	40	2060
Iteration_1	Construct_BG_BE_BL_BC	40	2061
Annual Book Depreciation			
Tax Depreciation Small Modular Reactor			
Tax Schedule			
Iteration_1	Construct_BG_BE_BL_BC	15	2022

Iteration_1	Construct_BG_BE_BL_BC	15	2023
Iteration_1	Construct_BG_BE_BL_BC	15	2024
Iteration_1	Construct_BG_BE_BL_BC	15	2025
Iteration_1	Construct_BG_BE_BL_BC	15	2026
Iteration_1	Construct_BG_BE_BL_BC	15	2027
Iteration_1	Construct_BG_BE_BL_BC	15	2028
Iteration_1	Construct_BG_BE_BL_BC	15	2029
Iteration_1	Construct_BG_BE_BL_BC	15	2030
Iteration_1	Construct_BG_BE_BL_BC	15	2031
Iteration_1	Construct_BG_BE_BL_BC	15	2032
Iteration_1	Construct_BG_BE_BL_BC	15	2033
Iteration_1	Construct_BG_BE_BL_BC	15	2034
Iteration_1	Construct_BG_BE_BL_BC	15	2035
Iteration_1	Construct_BG_BE_BL_BC	15	2036
Iteration_1	Construct_BG_BE_BL_BC	15	2037
Iteration_1	Construct_BG_BE_BL_BC	15	2038
Iteration_1	Construct_BG_BE_BL_BC	15	2039
Iteration_1	Construct_BG_BE_BL_BC	15	2040
Iteration_1	Construct_BG_BE_BL_BC	15	2041
Iteration_1	Construct_BG_BE_BL_BC	15	2042
Iteration_1	Construct_BG_BE_BL_BC	15	2043
Iteration_1	Construct_BG_BE_BL_BC	15	2044
Iteration_1	Construct_BG_BE_BL_BC	15	2045
Iteration_1	Construct_BG_BE_BL_BC	15	2046
Iteration_1	Construct_BG_BE_BL_BC	15	2047
Iteration_1	Construct_BG_BE_BL_BC	15	2048
Iteration_1	Construct_BG_BE_BL_BC	15	2049
Iteration_1	Construct_BG_BE_BL_BC	15	2050
Iteration_1	Construct_BG_BE_BL_BC	15	2051
Iteration_1	Construct_BG_BE_BL_BC	15	2052
Iteration_1	Construct_BG_BE_BL_BC	15	2053
Iteration_1	Construct_BG_BE_BL_BC	15	2054
Iteration_1	Construct_BG_BE_BL_BC	15	2055
Iteration_1	Construct_BG_BE_BL_BC	15	2056

Iteration_1	Construct_BG_BE_BL_BC	15	2057
Iteration_1	Construct_BG_BE_BL_BC	15	2058
Iteration_1	Construct_BG_BE_BL_BC	15	2059
Iteration_1	Construct_BG_BE_BL_BC	15	2060
Iteration_1	Construct_BG_BE_BL_BC	15	2061

Annual Tax Depreciation

Book Depreciation Ongoing CapEx - Peake
Depreciable CapEx

Depreciation Period
Book Depreciation Calcs

Iteration_1	Construct_BG_BE_BL_BC	30	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2023
Iteration_1	Construct_BG_BE_BL_BC	30	2024
Iteration_1	Construct_BG_BE_BL_BC	30	2025
Iteration_1	Construct_BG_BE_BL_BC	30	2026
Iteration_1	Construct_BG_BE_BL_BC	30	2027
Iteration_1	Construct_BG_BE_BL_BC	30	2028
Iteration_1	Construct_BG_BE_BL_BC	30	2029
Iteration_1	Construct_BG_BE_BL_BC	30	2030
Iteration_1	Construct_BG_BE_BL_BC	30	2031
Iteration_1	Construct_BG_BE_BL_BC	30	2032
Iteration_1	Construct_BG_BE_BL_BC	30	2033
Iteration_1	Construct_BG_BE_BL_BC	30	2034
Iteration_1	Construct_BG_BE_BL_BC	30	2035
Iteration_1	Construct_BG_BE_BL_BC	30	2036
Iteration_1	Construct_BG_BE_BL_BC	30	2037
Iteration_1	Construct_BG_BE_BL_BC	30	2038
Iteration_1	Construct_BG_BE_BL_BC	30	2039
Iteration_1	Construct_BG_BE_BL_BC	30	2040

Iteration_1	Construct_BG_BE_BL_BC	30	2041
Iteration_1	Construct_BG_BE_BL_BC	30	2042
Iteration_1	Construct_BG_BE_BL_BC	30	2043
Iteration_1	Construct_BG_BE_BL_BC	30	2044
Iteration_1	Construct_BG_BE_BL_BC	30	2045
Iteration_1	Construct_BG_BE_BL_BC	30	2046
Iteration_1	Construct_BG_BE_BL_BC	30	2047
Iteration_1	Construct_BG_BE_BL_BC	30	2048
Iteration_1	Construct_BG_BE_BL_BC	30	2049
Iteration_1	Construct_BG_BE_BL_BC	30	2050
Iteration_1	Construct_BG_BE_BL_BC	30	2051
Iteration_1	Construct_BG_BE_BL_BC	30	2052
Iteration_1	Construct_BG_BE_BL_BC	30	2053
Iteration_1	Construct_BG_BE_BL_BC	30	2054
Iteration_1	Construct_BG_BE_BL_BC	30	2055
Iteration_1	Construct_BG_BE_BL_BC	30	2056
Iteration_1	Construct_BG_BE_BL_BC	30	2057
Iteration_1	Construct_BG_BE_BL_BC	30	2058
Iteration_1	Construct_BG_BE_BL_BC	30	2059
Iteration_1	Construct_BG_BE_BL_BC	30	2060
Iteration_1	Construct_BG_BE_BL_BC	30	2061
Annual Book Depreciation			
Tax Depreciation Ongoing CapEx - Peaker:			
Tax Schedule			
Iteration_1	Construct_BG_BE_BL_BC	15	2022
Iteration_1	Construct_BG_BE_BL_BC	15	2023
Iteration_1	Construct_BG_BE_BL_BC	15	2024
Iteration_1	Construct_BG_BE_BL_BC	15	2025
Iteration_1	Construct_BG_BE_BL_BC	15	2026

Iteration_1	Construct_BG_BE_BL_BC	15	2027
Iteration_1	Construct_BG_BE_BL_BC	15	2028
Iteration_1	Construct_BG_BE_BL_BC	15	2029
Iteration_1	Construct_BG_BE_BL_BC	15	2030
Iteration_1	Construct_BG_BE_BL_BC	15	2031
Iteration_1	Construct_BG_BE_BL_BC	15	2032
Iteration_1	Construct_BG_BE_BL_BC	15	2033
Iteration_1	Construct_BG_BE_BL_BC	15	2034
Iteration_1	Construct_BG_BE_BL_BC	15	2035
Iteration_1	Construct_BG_BE_BL_BC	15	2036
Iteration_1	Construct_BG_BE_BL_BC	15	2037
Iteration_1	Construct_BG_BE_BL_BC	15	2038
Iteration_1	Construct_BG_BE_BL_BC	15	2039
Iteration_1	Construct_BG_BE_BL_BC	15	2040
Iteration_1	Construct_BG_BE_BL_BC	15	2041
Iteration_1	Construct_BG_BE_BL_BC	15	2042
Iteration_1	Construct_BG_BE_BL_BC	15	2043
Iteration_1	Construct_BG_BE_BL_BC	15	2044
Iteration_1	Construct_BG_BE_BL_BC	15	2045
Iteration_1	Construct_BG_BE_BL_BC	15	2046
Iteration_1	Construct_BG_BE_BL_BC	15	2047
Iteration_1	Construct_BG_BE_BL_BC	15	2048
Iteration_1	Construct_BG_BE_BL_BC	15	2049
Iteration_1	Construct_BG_BE_BL_BC	15	2050
Iteration_1	Construct_BG_BE_BL_BC	15	2051

Annual Tax Depreciation

Book Depreciation Ongoing CapEx - Other

Depreciable CapEx

Depreciation Period

Book Depreciation Calcs

Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC	40	2022
Iteration_1	Construct_BG_BE_BL_BC	40	2023
Iteration_1	Construct_BG_BE_BL_BC	40	2024
Iteration_1	Construct_BG_BE_BL_BC	40	2025
Iteration_1	Construct_BG_BE_BL_BC	40	2026
Iteration_1	Construct_BG_BE_BL_BC	40	2027
Iteration_1	Construct_BG_BE_BL_BC	40	2028
Iteration_1	Construct_BG_BE_BL_BC	40	2029
Iteration_1	Construct_BG_BE_BL_BC	40	2030
Iteration_1	Construct_BG_BE_BL_BC	40	2031
Iteration_1	Construct_BG_BE_BL_BC	40	2032
Iteration_1	Construct_BG_BE_BL_BC	40	2033
Iteration_1	Construct_BG_BE_BL_BC	40	2034
Iteration_1	Construct_BG_BE_BL_BC	40	2035
Iteration_1	Construct_BG_BE_BL_BC	40	2036
Iteration_1	Construct_BG_BE_BL_BC	40	2037
Iteration_1	Construct_BG_BE_BL_BC	40	2038
Iteration_1	Construct_BG_BE_BL_BC	40	2039
Iteration_1	Construct_BG_BE_BL_BC	40	2040
Iteration_1	Construct_BG_BE_BL_BC	40	2041
Iteration_1	Construct_BG_BE_BL_BC	40	2042
Iteration_1	Construct_BG_BE_BL_BC	40	2043
Iteration_1	Construct_BG_BE_BL_BC	40	2044
Iteration_1	Construct_BG_BE_BL_BC	40	2045
Iteration_1	Construct_BG_BE_BL_BC	40	2046
Iteration_1	Construct_BG_BE_BL_BC	40	2047
Iteration_1	Construct_BG_BE_BL_BC	40	2048
Iteration_1	Construct_BG_BE_BL_BC	40	2049
Iteration_1	Construct_BG_BE_BL_BC	40	2050
Iteration_1	Construct_BG_BE_BL_BC	40	2051
Iteration_1	Construct_BG_BE_BL_BC		Annual Book Depreciation
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		

Tax Depreciation Ongoing CapEx - Other C
Tax Schedule

Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC	20	2022
Iteration_1	Construct_BG_BE_BL_BC	20	2023
Iteration_1	Construct_BG_BE_BL_BC	20	2024
Iteration_1	Construct_BG_BE_BL_BC	20	2025
Iteration_1	Construct_BG_BE_BL_BC	20	2026
Iteration_1	Construct_BG_BE_BL_BC	20	2027
Iteration_1	Construct_BG_BE_BL_BC	20	2028
Iteration_1	Construct_BG_BE_BL_BC	20	2029
Iteration_1	Construct_BG_BE_BL_BC	20	2030
Iteration_1	Construct_BG_BE_BL_BC	20	2031
Iteration_1	Construct_BG_BE_BL_BC	20	2032
Iteration_1	Construct_BG_BE_BL_BC	20	2033
Iteration_1	Construct_BG_BE_BL_BC	20	2034
Iteration_1	Construct_BG_BE_BL_BC	20	2035
Iteration_1	Construct_BG_BE_BL_BC	20	2036
Iteration_1	Construct_BG_BE_BL_BC	20	2037
Iteration_1	Construct_BG_BE_BL_BC	20	2038
Iteration_1	Construct_BG_BE_BL_BC	20	2039
Iteration_1	Construct_BG_BE_BL_BC	20	2040
Iteration_1	Construct_BG_BE_BL_BC	20	2041
Iteration_1	Construct_BG_BE_BL_BC	20	2042
Iteration_1	Construct_BG_BE_BL_BC	20	2043
Iteration_1	Construct_BG_BE_BL_BC	20	2044
Iteration_1	Construct_BG_BE_BL_BC	20	2045
Iteration_1	Construct_BG_BE_BL_BC	20	2046
Iteration_1	Construct_BG_BE_BL_BC	20	2047
Iteration_1	Construct_BG_BE_BL_BC	20	2048
Iteration_1	Construct_BG_BE_BL_BC	20	2049
Iteration_1	Construct_BG_BE_BL_BC	20	2050

Iteration_1	Construct_BG_BE_BL_BC	40	2045
Iteration_1	Construct_BG_BE_BL_BC	40	2046
Iteration_1	Construct_BG_BE_BL_BC	40	2047
Iteration_1	Construct_BG_BE_BL_BC	40	2048
Iteration_1	Construct_BG_BE_BL_BC	40	2049
Iteration_1	Construct_BG_BE_BL_BC	40	2050
Iteration_1	Construct_BG_BE_BL_BC	40	2051

Annual Book Depreciation

Tax Depreciation Transmission Upgrade C
Tax Schedule

Iteration_1	Construct_BG_BE_BL_BC	20	2022
Iteration_1	Construct_BG_BE_BL_BC	20	2023
Iteration_1	Construct_BG_BE_BL_BC	20	2024
Iteration_1	Construct_BG_BE_BL_BC	20	2025
Iteration_1	Construct_BG_BE_BL_BC	20	2026
Iteration_1	Construct_BG_BE_BL_BC	20	2027
Iteration_1	Construct_BG_BE_BL_BC	20	2028
Iteration_1	Construct_BG_BE_BL_BC	20	2029
Iteration_1	Construct_BG_BE_BL_BC	20	2030
Iteration_1	Construct_BG_BE_BL_BC	20	2031
Iteration_1	Construct_BG_BE_BL_BC	20	2032
Iteration_1	Construct_BG_BE_BL_BC	20	2033
Iteration_1	Construct_BG_BE_BL_BC	20	2034
Iteration_1	Construct_BG_BE_BL_BC	20	2035
Iteration_1	Construct_BG_BE_BL_BC	20	2036
Iteration_1	Construct_BG_BE_BL_BC	20	2037
Iteration_1	Construct_BG_BE_BL_BC	20	2038
Iteration_1	Construct_BG_BE_BL_BC	20	2039
Iteration_1	Construct_BG_BE_BL_BC	20	2040

Iteration_1	Construct_BG_BE_BL_BC	20	2041
Iteration_1	Construct_BG_BE_BL_BC	20	2042
Iteration_1	Construct_BG_BE_BL_BC	20	2043
Iteration_1	Construct_BG_BE_BL_BC	20	2044
Iteration_1	Construct_BG_BE_BL_BC	20	2045
Iteration_1	Construct_BG_BE_BL_BC	20	2046
Iteration_1	Construct_BG_BE_BL_BC	20	2047
Iteration_1	Construct_BG_BE_BL_BC	20	2048
Iteration_1	Construct_BG_BE_BL_BC	20	2049
Iteration_1	Construct_BG_BE_BL_BC	20	2050
Iteration_1	Construct_BG_BE_BL_BC	20	2051
Annual Tax Depreciation			
Book Depreciation Gas CC			
Depreciable CapEx			
Depreciation Period			
Book Depreciation Calcs			
Iteration_1	Construct_BG_BE_BL_BC	30	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2023
Iteration_1	Construct_BG_BE_BL_BC	30	2024
Iteration_1	Construct_BG_BE_BL_BC	30	2025
Iteration_1	Construct_BG_BE_BL_BC	30	2026
Iteration_1	Construct_BG_BE_BL_BC	30	2027
Iteration_1	Construct_BG_BE_BL_BC	30	2028
Iteration_1	Construct_BG_BE_BL_BC	30	2029
Iteration_1	Construct_BG_BE_BL_BC	30	2030
Iteration_1	Construct_BG_BE_BL_BC	30	2031
Iteration_1	Construct_BG_BE_BL_BC	30	2032
Iteration_1	Construct_BG_BE_BL_BC	30	2033
Iteration_1	Construct_BG_BE_BL_BC	30	2034

Iteration_1	Construct_BG_BE_BL_BC	30	2035
Iteration_1	Construct_BG_BE_BL_BC	30	2036
Iteration_1	Construct_BG_BE_BL_BC	30	2037
Iteration_1	Construct_BG_BE_BL_BC	30	2038
Iteration_1	Construct_BG_BE_BL_BC	30	2039
Iteration_1	Construct_BG_BE_BL_BC	30	2040
Iteration_1	Construct_BG_BE_BL_BC	30	2041
Iteration_1	Construct_BG_BE_BL_BC	30	2042
Iteration_1	Construct_BG_BE_BL_BC	30	2043
Iteration_1	Construct_BG_BE_BL_BC	30	2044
Iteration_1	Construct_BG_BE_BL_BC	30	2045
Iteration_1	Construct_BG_BE_BL_BC	30	2046
Iteration_1	Construct_BG_BE_BL_BC	30	2047
Iteration_1	Construct_BG_BE_BL_BC	30	2048
Iteration_1	Construct_BG_BE_BL_BC	30	2049
Iteration_1	Construct_BG_BE_BL_BC	30	2050
Iteration_1	Construct_BG_BE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Gas CC			
Tax Schedule			
Iteration_1	Construct_BG_BE_BL_BC	20	2022
Iteration_1	Construct_BG_BE_BL_BC	20	2023
Iteration_1	Construct_BG_BE_BL_BC	20	2024
Iteration_1	Construct_BG_BE_BL_BC	20	2025
Iteration_1	Construct_BG_BE_BL_BC	20	2026
Iteration_1	Construct_BG_BE_BL_BC	20	2027
Iteration_1	Construct_BG_BE_BL_BC	20	2028
Iteration_1	Construct_BG_BE_BL_BC	20	2029
Iteration_1	Construct_BG_BE_BL_BC	20	2030

Iteration_1	Construct_BG_BE_BL_BC	20	2031
Iteration_1	Construct_BG_BE_BL_BC	20	2032
Iteration_1	Construct_BG_BE_BL_BC	20	2033
Iteration_1	Construct_BG_BE_BL_BC	20	2034
Iteration_1	Construct_BG_BE_BL_BC	20	2035
Iteration_1	Construct_BG_BE_BL_BC	20	2036
Iteration_1	Construct_BG_BE_BL_BC	20	2037
Iteration_1	Construct_BG_BE_BL_BC	20	2038
Iteration_1	Construct_BG_BE_BL_BC	20	2039
Iteration_1	Construct_BG_BE_BL_BC	20	2040
Iteration_1	Construct_BG_BE_BL_BC	20	2041
Iteration_1	Construct_BG_BE_BL_BC	20	2042
Iteration_1	Construct_BG_BE_BL_BC	20	2043
Iteration_1	Construct_BG_BE_BL_BC	20	2044
Iteration_1	Construct_BG_BE_BL_BC	20	2045
Iteration_1	Construct_BG_BE_BL_BC	20	2046
Iteration_1	Construct_BG_BE_BL_BC	20	2047
Iteration_1	Construct_BG_BE_BL_BC	20	2048
Iteration_1	Construct_BG_BE_BL_BC	20	2049
Iteration_1	Construct_BG_BE_BL_BC	20	2050
Iteration_1	Construct_BG_BE_BL_BC	20	2051
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Gas CT
Iteration_1	Construct_BG_BE_BL_BC		Depreciable CapEx
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		Depreciation Period
Iteration_1	Construct_BG_BE_BL_BC		Book Depreciation Calcs
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC	30	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2023
Iteration_1	Construct_BG_BE_BL_BC	30	2024

Iteration_1	Construct_BG_BE_BL_BC	30	2025
Iteration_1	Construct_BG_BE_BL_BC	30	2026
Iteration_1	Construct_BG_BE_BL_BC	30	2027
Iteration_1	Construct_BG_BE_BL_BC	30	2028
Iteration_1	Construct_BG_BE_BL_BC	30	2029
Iteration_1	Construct_BG_BE_BL_BC	30	2030
Iteration_1	Construct_BG_BE_BL_BC	30	2031
Iteration_1	Construct_BG_BE_BL_BC	30	2032
Iteration_1	Construct_BG_BE_BL_BC	30	2033
Iteration_1	Construct_BG_BE_BL_BC	30	2034
Iteration_1	Construct_BG_BE_BL_BC	30	2035
Iteration_1	Construct_BG_BE_BL_BC	30	2036
Iteration_1	Construct_BG_BE_BL_BC	30	2037
Iteration_1	Construct_BG_BE_BL_BC	30	2038
Iteration_1	Construct_BG_BE_BL_BC	30	2039
Iteration_1	Construct_BG_BE_BL_BC	30	2040
Iteration_1	Construct_BG_BE_BL_BC	30	2041
Iteration_1	Construct_BG_BE_BL_BC	30	2042
Iteration_1	Construct_BG_BE_BL_BC	30	2043
Iteration_1	Construct_BG_BE_BL_BC	30	2044
Iteration_1	Construct_BG_BE_BL_BC	30	2045
Iteration_1	Construct_BG_BE_BL_BC	30	2046
Iteration_1	Construct_BG_BE_BL_BC	30	2047
Iteration_1	Construct_BG_BE_BL_BC	30	2048
Iteration_1	Construct_BG_BE_BL_BC	30	2049
Iteration_1	Construct_BG_BE_BL_BC	30	2050
Iteration_1	Construct_BG_BE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Gas CT			
Tax Schedule			
Iteration_1	Construct_BG_BE_BL_BC		

Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC	15	2022
Iteration_1	Construct_BG_BE_BL_BC	15	2023
Iteration_1	Construct_BG_BE_BL_BC	15	2024
Iteration_1	Construct_BG_BE_BL_BC	15	2025
Iteration_1	Construct_BG_BE_BL_BC	15	2026
Iteration_1	Construct_BG_BE_BL_BC	15	2027
Iteration_1	Construct_BG_BE_BL_BC	15	2028
Iteration_1	Construct_BG_BE_BL_BC	15	2029
Iteration_1	Construct_BG_BE_BL_BC	15	2030
Iteration_1	Construct_BG_BE_BL_BC	15	2031
Iteration_1	Construct_BG_BE_BL_BC	15	2032
Iteration_1	Construct_BG_BE_BL_BC	15	2033
Iteration_1	Construct_BG_BE_BL_BC	15	2034
Iteration_1	Construct_BG_BE_BL_BC	15	2035
Iteration_1	Construct_BG_BE_BL_BC	15	2036
Iteration_1	Construct_BG_BE_BL_BC	15	2037
Iteration_1	Construct_BG_BE_BL_BC	15	2038
Iteration_1	Construct_BG_BE_BL_BC	15	2039
Iteration_1	Construct_BG_BE_BL_BC	15	2040
Iteration_1	Construct_BG_BE_BL_BC	15	2041
Iteration_1	Construct_BG_BE_BL_BC	15	2042
Iteration_1	Construct_BG_BE_BL_BC	15	2043
Iteration_1	Construct_BG_BE_BL_BC	15	2044
Iteration_1	Construct_BG_BE_BL_BC	15	2045
Iteration_1	Construct_BG_BE_BL_BC	15	2046
Iteration_1	Construct_BG_BE_BL_BC	15	2047
Iteration_1	Construct_BG_BE_BL_BC	15	2048
Iteration_1	Construct_BG_BE_BL_BC	15	2049
Iteration_1	Construct_BG_BE_BL_BC	15	2050
Iteration_1	Construct_BG_BE_BL_BC	15	2051
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation
Iteration_1	Construct_BG_BE_BL_BC		
Iteration_1	Construct_BG_BE_BL_BC		

Iteration_1	Construct_BG_BE_BL_BC	30	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2023
Iteration_1	Construct_BG_BE_BL_BC	30	2024
Iteration_1	Construct_BG_BE_BL_BC	30	2025
Iteration_1	Construct_BG_BE_BL_BC	30	2026
Iteration_1	Construct_BG_BE_BL_BC	30	2027
Iteration_1	Construct_BG_BE_BL_BC	30	2028
Iteration_1	Construct_BG_BE_BL_BC	30	2029
Iteration_1	Construct_BG_BE_BL_BC	30	2030
Iteration_1	Construct_BG_BE_BL_BC	30	2031
Iteration_1	Construct_BG_BE_BL_BC	30	2032
Iteration_1	Construct_BG_BE_BL_BC	30	2033
Iteration_1	Construct_BG_BE_BL_BC	30	2034
Iteration_1	Construct_BG_BE_BL_BC	30	2035
Iteration_1	Construct_BG_BE_BL_BC	30	2036
Iteration_1	Construct_BG_BE_BL_BC	30	2037
Iteration_1	Construct_BG_BE_BL_BC	30	2038
Iteration_1	Construct_BG_BE_BL_BC	30	2039
Iteration_1	Construct_BG_BE_BL_BC	30	2040
Iteration_1	Construct_BG_BE_BL_BC	30	2041
Iteration_1	Construct_BG_BE_BL_BC	30	2042
Iteration_1	Construct_BG_BE_BL_BC	30	2043
Iteration_1	Construct_BG_BE_BL_BC	30	2044
Iteration_1	Construct_BG_BE_BL_BC	30	2045
Iteration_1	Construct_BG_BE_BL_BC	30	2046
Iteration_1	Construct_BG_BE_BL_BC	30	2047
Iteration_1	Construct_BG_BE_BL_BC	30	2048

Book Depreciation Battery
 Depreciable CapEx
 Depreciation Period
 Book Depreciation Calcs

Iteration_1	Construct_BG_BE_BL_BC	30	2049
Iteration_1	Construct_BG_BE_BL_BC	30	2050
Iteration_1	Construct_BG_BE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Battery			
Tax Schedule			
Iteration_1	Construct_BG_BE_BL_BC	7	2022
Iteration_1	Construct_BG_BE_BL_BC	7	2023
Iteration_1	Construct_BG_BE_BL_BC	7	2024
Iteration_1	Construct_BG_BE_BL_BC	7	2025
Iteration_1	Construct_BG_BE_BL_BC	7	2026
Iteration_1	Construct_BG_BE_BL_BC	7	2027
Iteration_1	Construct_BG_BE_BL_BC	7	2028
Iteration_1	Construct_BG_BE_BL_BC	7	2029
Iteration_1	Construct_BG_BE_BL_BC	7	2030
Iteration_1	Construct_BG_BE_BL_BC	7	2031
Iteration_1	Construct_BG_BE_BL_BC	7	2032
Iteration_1	Construct_BG_BE_BL_BC	7	2033
Iteration_1	Construct_BG_BE_BL_BC	7	2034
Iteration_1	Construct_BG_BE_BL_BC	7	2035
Iteration_1	Construct_BG_BE_BL_BC	7	2036
Iteration_1	Construct_BG_BE_BL_BC	7	2037
Iteration_1	Construct_BG_BE_BL_BC	7	2038
Iteration_1	Construct_BG_BE_BL_BC	7	2039
Iteration_1	Construct_BG_BE_BL_BC	7	2040
Iteration_1	Construct_BG_BE_BL_BC	7	2041
Iteration_1	Construct_BG_BE_BL_BC	7	2042
Iteration_1	Construct_BG_BE_BL_BC	7	2043
Iteration_1	Construct_BG_BE_BL_BC	7	2044

Iteration_1	Construct_BG_BE_BL_BC	7	2045
Iteration_1	Construct_BG_BE_BL_BC	7	2046
Iteration_1	Construct_BG_BE_BL_BC	7	2047
Iteration_1	Construct_BG_BE_BL_BC	7	2048
Iteration_1	Construct_BG_BE_BL_BC	7	2049
Iteration_1	Construct_BG_BE_BL_BC	7	2050
Iteration_1	Construct_BG_BE_BL_BC	7	2051
Annual Tax Depreciation			
Book Depreciation Renewable			
Depreciable CapEx			
Depreciation Period			
Book Depreciation Calcs			
Iteration_1	Construct_BG_BE_BL_BC	30	2022
Iteration_1	Construct_BG_BE_BL_BC	30	2023
Iteration_1	Construct_BG_BE_BL_BC	30	2024
Iteration_1	Construct_BG_BE_BL_BC	30	2025
Iteration_1	Construct_BG_BE_BL_BC	30	2026
Iteration_1	Construct_BG_BE_BL_BC	30	2027
Iteration_1	Construct_BG_BE_BL_BC	30	2028
Iteration_1	Construct_BG_BE_BL_BC	30	2029
Iteration_1	Construct_BG_BE_BL_BC	30	2030
Iteration_1	Construct_BG_BE_BL_BC	30	2031
Iteration_1	Construct_BG_BE_BL_BC	30	2032
Iteration_1	Construct_BG_BE_BL_BC	30	2033
Iteration_1	Construct_BG_BE_BL_BC	30	2034
Iteration_1	Construct_BG_BE_BL_BC	30	2035
Iteration_1	Construct_BG_BE_BL_BC	30	2036
Iteration_1	Construct_BG_BE_BL_BC	30	2037
Iteration_1	Construct_BG_BE_BL_BC	30	2038

Iteration_1	Construct_BG_BE_BL_BC	30	2039
Iteration_1	Construct_BG_BE_BL_BC	30	2040
Iteration_1	Construct_BG_BE_BL_BC	30	2041
Iteration_1	Construct_BG_BE_BL_BC	30	2042
Iteration_1	Construct_BG_BE_BL_BC	30	2043
Iteration_1	Construct_BG_BE_BL_BC	30	2044
Iteration_1	Construct_BG_BE_BL_BC	30	2045
Iteration_1	Construct_BG_BE_BL_BC	30	2046
Iteration_1	Construct_BG_BE_BL_BC	30	2047
Iteration_1	Construct_BG_BE_BL_BC	30	2048
Iteration_1	Construct_BG_BE_BL_BC	30	2049
Iteration_1	Construct_BG_BE_BL_BC	30	2050
Iteration_1	Construct_BG_BE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Renewable			
Tax Schedule			
Iteration_1	Construct_BG_BE_BL_BC	5	2022
Iteration_1	Construct_BG_BE_BL_BC	5	2023
Iteration_1	Construct_BG_BE_BL_BC	5	2024
Iteration_1	Construct_BG_BE_BL_BC	5	2025
Iteration_1	Construct_BG_BE_BL_BC	5	2026
Iteration_1	Construct_BG_BE_BL_BC	5	2027
Iteration_1	Construct_BG_BE_BL_BC	5	2028
Iteration_1	Construct_BG_BE_BL_BC	5	2029
Iteration_1	Construct_BG_BE_BL_BC	5	2030
Iteration_1	Construct_BG_BE_BL_BC	5	2031
Iteration_1	Construct_BG_BE_BL_BC	5	2032
Iteration_1	Construct_BG_BE_BL_BC	5	2033
Iteration_1	Construct_BG_BE_BL_BC	5	2034

Iteration_1	Construct_BG_BE_BL_BC	5	2035
Iteration_1	Construct_BG_BE_BL_BC	5	2036
Iteration_1	Construct_BG_BE_BL_BC	5	2037
Iteration_1	Construct_BG_BE_BL_BC	5	2038
Iteration_1	Construct_BG_BE_BL_BC	5	2039
Iteration_1	Construct_BG_BE_BL_BC	5	2040
Iteration_1	Construct_BG_BE_BL_BC	5	2041
Iteration_1	Construct_BG_BE_BL_BC	5	2042
Iteration_1	Construct_BG_BE_BL_BC	5	2043
Iteration_1	Construct_BG_BE_BL_BC	5	2044
Iteration_1	Construct_BG_BE_BL_BC	5	2045
Iteration_1	Construct_BG_BE_BL_BC	5	2046
Iteration_1	Construct_BG_BE_BL_BC	5	2047
Iteration_1	Construct_BG_BE_BL_BC	5	2048
Iteration_1	Construct_BG_BE_BL_BC	5	2049
Iteration_1	Construct_BG_BE_BL_BC	5	2050
Iteration_1	Construct_BG_BE_BL_BC	5	2051
Iteration_1	Construct_BG_BE_BL_BC		Annual Tax Depreciation

Portfolio Name

Revenue Requirement Buildup

Revenue Requirement Calc

Iteration	Scenario		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC	20-Yr NPV	
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation
Iteration_19	Construct_BG_LE_BL_BC		Total Generation O&M
Iteration_19	Construct_BG_LE_BL_BC		Capital Charge
Iteration_19	Construct_BG_LE_BL_BC		Taxes
Iteration_19	Construct_BG_LE_BL_BC		Total Revenue Requirement
Iteration_19	Construct_BG_LE_BL_BC		Total Portfolio Demand (MWh)
Iteration_19	Construct_BG_LE_BL_BC		Generation Rates (\$/MWh)
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		NPV RR (20-Yr)

Iteration_19	Construct_BG_LE_BL_BC	Distributed RICE	Distributed RICE - FOM
Iteration_19	Construct_BG_LE_BL_BC	Small Modular Reactor	Small Modular Reactor - FOM
Iteration_19	Construct_BG_LE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - FOM
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - FOM
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	Hydrogen CC - FOM
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - FOM
Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - FOM
Iteration_19	Construct_BG_LE_BL_BC	Flow Battery- Long	Flow Battery- Long - FOM
Iteration_19	Construct_BG_LE_BL_BC	Gravity	Gravity - FOM
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	RICE (NO IC) - FOM
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - FO
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - FOM
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - FOM
Iteration_19	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - FOM
Iteration_19	Construct_BG_LE_BL_BC	CCGT	New Unit Subhourly / Ancillary Revenue CCGT - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	CT- Frame	CT- Frame - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	CT- Aero	CT- Aero - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	RICE	RICE - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - SH/A
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - SH/A
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - SH/A
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - SH/AS
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - SH/AS F
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed RICE	Distributed RICE - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Small Modular Reactor	Small Modular Reactor - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	Hydrogen CC - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - SH/AS Rev

Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - SH/AS
Iteration_19	Construct_BG_LE_BL_BC	Flow Battery- Long	Flow Battery- Long - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Gravity	Gravity - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	RICE (NO IC) - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - SH
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - SH/AS
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - SH/AS
Iteration_19	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - SH/AS Rev
Iteration_19	Construct_BG_LE_BL_BC		Avoided Distribution Revenue
Iteration_19	Construct_BG_LE_BL_BC	CCGT	CCGT - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	CT- Frame	CT- Frame - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	CT- Aero	CT- Aero - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	RICE	RICE - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed RICE	Distributed RICE - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Small Modular Reactor	Small Modular Reactor - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	Hydrogen CC - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Flow Battery- Long	Flow Battery- Long - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Gravity	Gravity - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	RICE (NO IC) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - Avoided D Rev
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - Avoided D Rev

Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - Avoided
Iteration_19	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - Avoided D R
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Rate Base Calculation
Iteration_19	Construct_BG_LE_BL_BC		Starting Rate Base
Iteration_19	Construct_BG_LE_BL_BC		CapEx
Iteration_19	Construct_BG_LE_BL_BC		New CapEx (Including AFUDC)
Iteration_19	Construct_BG_LE_BL_BC	CCGT	New CCGT CapEx
Iteration_19	Construct_BG_LE_BL_BC	CT- Frame	New CT- Frame CapEx
Iteration_19	Construct_BG_LE_BL_BC	CT- Aero	New CT- Aero CapEx
Iteration_19	Construct_BG_LE_BL_BC	RICE	New RICE CapEx
Iteration_19	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx
Iteration_19	Construct_BG_LE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx
Iteration_19	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1)
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1)
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1)
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed RICE	New Distributed RICE CapEx
Iteration_19	Construct_BG_LE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx
Iteration_19	Construct_BG_LE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx
Iteration_19	Construct_BG_LE_BL_BC	Gravity	New Gravity CapEx
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC)

Iteration_19	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	CCGT	New CCGT CapEx
Iteration_19	Construct_BG_LE_BL_BC	CT- Frame	New CT- Frame CapEx
Iteration_19	Construct_BG_LE_BL_BC	CT- Aero	New CT- Aero CapEx
Iteration_19	Construct_BG_LE_BL_BC	RICE	New RICE CapEx
Iteration_19	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx
Iteration_19	Construct_BG_LE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx
Iteration_19	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed RICE	New Distributed RICE CapEx
Iteration_19	Construct_BG_LE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx
Iteration_19	Construct_BG_LE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx
Iteration_19	Construct_BG_LE_BL_BC	Gravity	New Gravity CapEx
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx
Iteration_19	Construct_BG_LE_BL_BC	Ongoing CapEx - Peakers	Ongoing CapEx - Peakers
Iteration_19	Construct_BG_LE_BL_BC	Ongoing CapEx - Other Gen and Non Gen	Ongoing CapEx - Other Gen and Non Gen
Iteration_19	Construct_BG_LE_BL_BC	Transmission Upgrade CapEx	Transmission Upgrade CapEx
Iteration_19	Construct_BG_LE_BL_BC		Ongoing CapEx - New
Iteration_19	Construct_BG_LE_BL_BC	CCGT	Ongoing CapEx CCGT
Iteration_19	Construct_BG_LE_BL_BC	CT- Frame	Ongoing CapEx CT- Frame

Iteration_19	Construct_BG_LE_BL_BC	CT- Aero	Ongoing CapEx CT- Aero
Iteration_19	Construct_BG_LE_BL_BC	RICE	Ongoing CapEx RICE
Iteration_19	Construct_BG_LE_BL_BC	PV- Single-axis Tracking	Ongoing CapEx PV- Single-axis Tracking
Iteration_19	Construct_BG_LE_BL_BC	PV- Fixed Tilt	Ongoing CapEx PV- Fixed Tilt
Iteration_19	Construct_BG_LE_BL_BC	Solar Tracking (NO IC)	Ongoing CapEx Solar Tracking (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	Ongoing CapEx Utility-scale PV + Storage (4:1)
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	Ongoing CapEx Utility-scale PV + Storage (2:1)
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV + Storage (2:1)	Ongoing CapEx Distributed PV + Storage (2:1)
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Community)	Ongoing CapEx Distributed PV (Community)
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (Residential)	Ongoing CapEx Distributed PV (Residential)
Iteration_19	Construct_BG_LE_BL_BC	Distributed PV (C&I)	Ongoing CapEx Distributed PV (C&I)
Iteration_19	Construct_BG_LE_BL_BC	Distributed RICE	Ongoing CapEx Distributed RICE
Iteration_19	Construct_BG_LE_BL_BC	Small Modular Reactor	Ongoing CapEx Small Modular Reactor
Iteration_19	Construct_BG_LE_BL_BC	CCS Retrofit on CC	Ongoing CapEx CCS Retrofit on CC
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	Ongoing CapEx Hydrogen Retrofit on CC
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	Ongoing CapEx Hydrogen CC
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	Ongoing CapEx Lithium-Ion (4-hr)
Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	Ongoing CapEx Distributed Lithium-Ion (4-hr)
Iteration_19	Construct_BG_LE_BL_BC	Flow Battery- Long	Ongoing CapEx Flow Battery- Long
Iteration_19	Construct_BG_LE_BL_BC	Gravity	Ongoing CapEx Gravity
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	Ongoing CapEx RICE (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Ongoing CapEx Hydrogen Retrofit on CC (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Ongoing CapEx Utility Scale S+B (2:1) (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Ongoing CapEx Utility Scale S+B (4:1) (NO IC)
Iteration_19	Construct_BG_LE_BL_BC	4-Hr Li Storage (NO IC)	Ongoing CapEx 4-Hr Li Storage (NO IC)
Iteration_19	Construct_BG_LE_BL_BC		Depreciation - New
Iteration_19	Construct_BG_LE_BL_BC		Change in Deferred Tax Liability
Iteration_19	Construct_BG_LE_BL_BC		Depreciation - Existing
Iteration_19	Construct_BG_LE_BL_BC		Ending Rate Base
Iteration_19	Construct_BG_LE_BL_BC		Property Taxes
Iteration_19	Construct_BG_LE_BL_BC		Existing Plant
Iteration_19	Construct_BG_LE_BL_BC		

Iteration_19 Construct_BG_LE_BL_BC
Iteration_19 Construct_BG_LE_BL_BC
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Iteration_19 Construct_BG_LE_BL_BC

Asbury
Energy Center 1/2
Energy Center 3/4
Riverton 10/11
Riverton CC
State Line 1
State Line CC
Plum Point (Ownership)
Iatan 1
Iatan 2
Ozark Beach 5, 6, 7, and 8
Neosho Ridge Wind - 116
Kings Point Wind - 117
North Fork Ridge Wind - 118
Prosperity Solar - 119
Total

Asbury
Energy Center 1/2
Energy Center 3/4
Riverton 10/11
Riverton CC
State Line 1
State Line CC
Plum Point (Ownership)
Iatan 1
Iatan 2
Ozark Beach 5, 6, 7, and 8
Neosho Ridge Wind - 116
Kings Point Wind - 117
North Fork Ridge Wind - 118
Prosperity Solar - 119
Total

Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC Schedule
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen CC	New Hydrogen CC Schedule
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_19	Construct_BG_LE_BL_BC	RICE (NO IC)	New RICE (NO IC) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule
Iteration_19	Construct_BG_LE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_19	Construct_BG_LE_BL_BC		New CCGT AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New CT- Frame AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New CT- Aero AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New RICE AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New PV- Single-axis Tracking AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New PV- Fixed Tilt AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Solar Tracking (NO IC) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Utility-scale PV + Storage (4:1) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Utility-scale PV + Storage (2:1) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Distributed PV + Storage (2:1) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Distributed PV (Community) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Distributed PV (Residential) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Distributed PV (C&I) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Distributed RICE AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Small Modular Reactor AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New CCS Retrofit on CC AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Hydrogen Retrofit on CC AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Hydrogen CC AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Lithium-Ion (4-hr) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Distributed Lithium-Ion (4-hr) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Lithium-Ion (4-hr) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New Lithium-Ion (4-hr) AFUDC
Iteration_19	Construct_BG_LE_BL_BC		New RICE (NO IC) AFUDC

Book Depreciation Calcs

Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC	40	2022
Iteration_19	Construct_BG_LE_BL_BC	40	2023
Iteration_19	Construct_BG_LE_BL_BC	40	2024
Iteration_19	Construct_BG_LE_BL_BC	40	2025
Iteration_19	Construct_BG_LE_BL_BC	40	2026
Iteration_19	Construct_BG_LE_BL_BC	40	2027
Iteration_19	Construct_BG_LE_BL_BC	40	2028
Iteration_19	Construct_BG_LE_BL_BC	40	2029
Iteration_19	Construct_BG_LE_BL_BC	40	2030
Iteration_19	Construct_BG_LE_BL_BC	40	2031
Iteration_19	Construct_BG_LE_BL_BC	40	2032
Iteration_19	Construct_BG_LE_BL_BC	40	2033
Iteration_19	Construct_BG_LE_BL_BC	40	2034
Iteration_19	Construct_BG_LE_BL_BC	40	2035
Iteration_19	Construct_BG_LE_BL_BC	40	2036
Iteration_19	Construct_BG_LE_BL_BC	40	2037
Iteration_19	Construct_BG_LE_BL_BC	40	2038
Iteration_19	Construct_BG_LE_BL_BC	40	2039
Iteration_19	Construct_BG_LE_BL_BC	40	2040
Iteration_19	Construct_BG_LE_BL_BC	40	2041
Iteration_19	Construct_BG_LE_BL_BC	40	2042
Iteration_19	Construct_BG_LE_BL_BC	40	2043
Iteration_19	Construct_BG_LE_BL_BC	40	2044
Iteration_19	Construct_BG_LE_BL_BC	40	2045
Iteration_19	Construct_BG_LE_BL_BC	40	2046
Iteration_19	Construct_BG_LE_BL_BC	40	2047
Iteration_19	Construct_BG_LE_BL_BC	40	2048
Iteration_19	Construct_BG_LE_BL_BC	40	2049
Iteration_19	Construct_BG_LE_BL_BC	40	2050
Iteration_19	Construct_BG_LE_BL_BC	40	2051
Iteration_19	Construct_BG_LE_BL_BC	40	2052

Iteration_19	Construct_BG_LE_BL_BC	40	2053
Iteration_19	Construct_BG_LE_BL_BC	40	2054
Iteration_19	Construct_BG_LE_BL_BC	40	2055
Iteration_19	Construct_BG_LE_BL_BC	40	2056
Iteration_19	Construct_BG_LE_BL_BC	40	2057
Iteration_19	Construct_BG_LE_BL_BC	40	2058
Iteration_19	Construct_BG_LE_BL_BC	40	2059
Iteration_19	Construct_BG_LE_BL_BC	40	2060
Iteration_19	Construct_BG_LE_BL_BC	40	2061
Annual Book Depreciation			

Tax Depreciation Small Modular Reactor
Tax Schedule

Iteration_19	Construct_BG_LE_BL_BC	15	2022
Iteration_19	Construct_BG_LE_BL_BC	15	2023
Iteration_19	Construct_BG_LE_BL_BC	15	2024
Iteration_19	Construct_BG_LE_BL_BC	15	2025
Iteration_19	Construct_BG_LE_BL_BC	15	2026
Iteration_19	Construct_BG_LE_BL_BC	15	2027
Iteration_19	Construct_BG_LE_BL_BC	15	2028
Iteration_19	Construct_BG_LE_BL_BC	15	2029
Iteration_19	Construct_BG_LE_BL_BC	15	2030
Iteration_19	Construct_BG_LE_BL_BC	15	2031
Iteration_19	Construct_BG_LE_BL_BC	15	2032
Iteration_19	Construct_BG_LE_BL_BC	15	2033
Iteration_19	Construct_BG_LE_BL_BC	15	2034
Iteration_19	Construct_BG_LE_BL_BC	15	2035
Iteration_19	Construct_BG_LE_BL_BC	15	2036
Iteration_19	Construct_BG_LE_BL_BC	15	2037
Iteration_19	Construct_BG_LE_BL_BC	15	2038

Iteration_19	Construct_BG_LE_BL_BC	15	2039
Iteration_19	Construct_BG_LE_BL_BC	15	2040
Iteration_19	Construct_BG_LE_BL_BC	15	2041
Iteration_19	Construct_BG_LE_BL_BC	15	2042
Iteration_19	Construct_BG_LE_BL_BC	15	2043
Iteration_19	Construct_BG_LE_BL_BC	15	2044
Iteration_19	Construct_BG_LE_BL_BC	15	2045
Iteration_19	Construct_BG_LE_BL_BC	15	2046
Iteration_19	Construct_BG_LE_BL_BC	15	2047
Iteration_19	Construct_BG_LE_BL_BC	15	2048
Iteration_19	Construct_BG_LE_BL_BC	15	2049
Iteration_19	Construct_BG_LE_BL_BC	15	2050
Iteration_19	Construct_BG_LE_BL_BC	15	2051
Iteration_19	Construct_BG_LE_BL_BC	15	2052
Iteration_19	Construct_BG_LE_BL_BC	15	2053
Iteration_19	Construct_BG_LE_BL_BC	15	2054
Iteration_19	Construct_BG_LE_BL_BC	15	2055
Iteration_19	Construct_BG_LE_BL_BC	15	2056
Iteration_19	Construct_BG_LE_BL_BC	15	2057
Iteration_19	Construct_BG_LE_BL_BC	15	2058
Iteration_19	Construct_BG_LE_BL_BC	15	2059
Iteration_19	Construct_BG_LE_BL_BC	15	2060
Iteration_19	Construct_BG_LE_BL_BC	15	2061
Iteration_19	Construct_BG_LE_BL_BC		Annual Tax Depreciation
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Ongoing CapEx - Peake
Iteration_19	Construct_BG_LE_BL_BC		Depreciable CapEx
Iteration_19	Construct_BG_LE_BL_BC		Depreciation Period
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Calcs
Iteration_19	Construct_BG_LE_BL_BC	30	2022

Iteration_19	Construct_BG_LE_BL_BC	30	2023
Iteration_19	Construct_BG_LE_BL_BC	30	2024
Iteration_19	Construct_BG_LE_BL_BC	30	2025
Iteration_19	Construct_BG_LE_BL_BC	30	2026
Iteration_19	Construct_BG_LE_BL_BC	30	2027
Iteration_19	Construct_BG_LE_BL_BC	30	2028
Iteration_19	Construct_BG_LE_BL_BC	30	2029
Iteration_19	Construct_BG_LE_BL_BC	30	2030
Iteration_19	Construct_BG_LE_BL_BC	30	2031
Iteration_19	Construct_BG_LE_BL_BC	30	2032
Iteration_19	Construct_BG_LE_BL_BC	30	2033
Iteration_19	Construct_BG_LE_BL_BC	30	2034
Iteration_19	Construct_BG_LE_BL_BC	30	2035
Iteration_19	Construct_BG_LE_BL_BC	30	2036
Iteration_19	Construct_BG_LE_BL_BC	30	2037
Iteration_19	Construct_BG_LE_BL_BC	30	2038
Iteration_19	Construct_BG_LE_BL_BC	30	2039
Iteration_19	Construct_BG_LE_BL_BC	30	2040
Iteration_19	Construct_BG_LE_BL_BC	30	2041
Iteration_19	Construct_BG_LE_BL_BC	30	2042
Iteration_19	Construct_BG_LE_BL_BC	30	2043
Iteration_19	Construct_BG_LE_BL_BC	30	2044
Iteration_19	Construct_BG_LE_BL_BC	30	2045
Iteration_19	Construct_BG_LE_BL_BC	30	2046
Iteration_19	Construct_BG_LE_BL_BC	30	2047
Iteration_19	Construct_BG_LE_BL_BC	30	2048
Iteration_19	Construct_BG_LE_BL_BC	30	2049
Iteration_19	Construct_BG_LE_BL_BC	30	2050
Iteration_19	Construct_BG_LE_BL_BC	30	2051
Iteration_19	Construct_BG_LE_BL_BC	30	2052
Iteration_19	Construct_BG_LE_BL_BC	30	2053
Iteration_19	Construct_BG_LE_BL_BC	30	2054
Iteration_19	Construct_BG_LE_BL_BC	30	2055
Iteration_19	Construct_BG_LE_BL_BC	30	2056

Iteration_19	Construct_BG_LE_BL_BC	30	2057
Iteration_19	Construct_BG_LE_BL_BC	30	2058
Iteration_19	Construct_BG_LE_BL_BC	30	2059
Iteration_19	Construct_BG_LE_BL_BC	30	2060
Iteration_19	Construct_BG_LE_BL_BC	30	2061

Annual Book Depreciation

Tax Depreciation Ongoing CapEx - Peaker:
Tax Schedule

Iteration_19	Construct_BG_LE_BL_BC	15	2022
Iteration_19	Construct_BG_LE_BL_BC	15	2023
Iteration_19	Construct_BG_LE_BL_BC	15	2024
Iteration_19	Construct_BG_LE_BL_BC	15	2025
Iteration_19	Construct_BG_LE_BL_BC	15	2026
Iteration_19	Construct_BG_LE_BL_BC	15	2027
Iteration_19	Construct_BG_LE_BL_BC	15	2028
Iteration_19	Construct_BG_LE_BL_BC	15	2029
Iteration_19	Construct_BG_LE_BL_BC	15	2030
Iteration_19	Construct_BG_LE_BL_BC	15	2031
Iteration_19	Construct_BG_LE_BL_BC	15	2032
Iteration_19	Construct_BG_LE_BL_BC	15	2033
Iteration_19	Construct_BG_LE_BL_BC	15	2034
Iteration_19	Construct_BG_LE_BL_BC	15	2035
Iteration_19	Construct_BG_LE_BL_BC	15	2036
Iteration_19	Construct_BG_LE_BL_BC	15	2037
Iteration_19	Construct_BG_LE_BL_BC	15	2038
Iteration_19	Construct_BG_LE_BL_BC	15	2039
Iteration_19	Construct_BG_LE_BL_BC	15	2040
Iteration_19	Construct_BG_LE_BL_BC	15	2041
Iteration_19	Construct_BG_LE_BL_BC	15	2042

Iteration_19	Construct_BG_LE_BL_BC	40	2037
Iteration_19	Construct_BG_LE_BL_BC	40	2038
Iteration_19	Construct_BG_LE_BL_BC	40	2039
Iteration_19	Construct_BG_LE_BL_BC	40	2040
Iteration_19	Construct_BG_LE_BL_BC	40	2041
Iteration_19	Construct_BG_LE_BL_BC	40	2042
Iteration_19	Construct_BG_LE_BL_BC	40	2043
Iteration_19	Construct_BG_LE_BL_BC	40	2044
Iteration_19	Construct_BG_LE_BL_BC	40	2045
Iteration_19	Construct_BG_LE_BL_BC	40	2046
Iteration_19	Construct_BG_LE_BL_BC	40	2047
Iteration_19	Construct_BG_LE_BL_BC	40	2048
Iteration_19	Construct_BG_LE_BL_BC	40	2049
Iteration_19	Construct_BG_LE_BL_BC	40	2050
Iteration_19	Construct_BG_LE_BL_BC	40	2051

Annual Book Depreciation

Tax Depreciation Ongoing CapEx - Other C
Tax Schedule

Iteration_19	Construct_BG_LE_BL_BC	20	2022
Iteration_19	Construct_BG_LE_BL_BC	20	2023
Iteration_19	Construct_BG_LE_BL_BC	20	2024
Iteration_19	Construct_BG_LE_BL_BC	20	2025
Iteration_19	Construct_BG_LE_BL_BC	20	2026
Iteration_19	Construct_BG_LE_BL_BC	20	2027
Iteration_19	Construct_BG_LE_BL_BC	20	2028
Iteration_19	Construct_BG_LE_BL_BC	20	2029
Iteration_19	Construct_BG_LE_BL_BC	20	2030
Iteration_19	Construct_BG_LE_BL_BC	20	2031
Iteration_19	Construct_BG_LE_BL_BC	20	2032

Iteration_19	Construct_BG_LE_BL_BC	20	2033
Iteration_19	Construct_BG_LE_BL_BC	20	2034
Iteration_19	Construct_BG_LE_BL_BC	20	2035
Iteration_19	Construct_BG_LE_BL_BC	20	2036
Iteration_19	Construct_BG_LE_BL_BC	20	2037
Iteration_19	Construct_BG_LE_BL_BC	20	2038
Iteration_19	Construct_BG_LE_BL_BC	20	2039
Iteration_19	Construct_BG_LE_BL_BC	20	2040
Iteration_19	Construct_BG_LE_BL_BC	20	2041
Iteration_19	Construct_BG_LE_BL_BC	20	2042
Iteration_19	Construct_BG_LE_BL_BC	20	2043
Iteration_19	Construct_BG_LE_BL_BC	20	2044
Iteration_19	Construct_BG_LE_BL_BC	20	2045
Iteration_19	Construct_BG_LE_BL_BC	20	2046
Iteration_19	Construct_BG_LE_BL_BC	20	2047
Iteration_19	Construct_BG_LE_BL_BC	20	2048
Iteration_19	Construct_BG_LE_BL_BC	20	2049
Iteration_19	Construct_BG_LE_BL_BC	20	2050
Iteration_19	Construct_BG_LE_BL_BC	20	2051
Iteration_19	Construct_BG_LE_BL_BC		Annual Tax Depreciation
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Transmission Upgrade
Iteration_19	Construct_BG_LE_BL_BC		Depreciable CapEx
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Depreciation Period
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Calcs
Iteration_19	Construct_BG_LE_BL_BC	40	2022
Iteration_19	Construct_BG_LE_BL_BC	40	2023
Iteration_19	Construct_BG_LE_BL_BC	40	2024
Iteration_19	Construct_BG_LE_BL_BC	40	2025
Iteration_19	Construct_BG_LE_BL_BC	40	2026

Iteration_19	Construct_BG_LE_BL_BC	40	2027
Iteration_19	Construct_BG_LE_BL_BC	40	2028
Iteration_19	Construct_BG_LE_BL_BC	40	2029
Iteration_19	Construct_BG_LE_BL_BC	40	2030
Iteration_19	Construct_BG_LE_BL_BC	40	2031
Iteration_19	Construct_BG_LE_BL_BC	40	2032
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Iteration_19	Construct_BG_LE_BL_BC	40	2036
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Iteration_19	Construct_BG_LE_BL_BC	40	2040
Iteration_19	Construct_BG_LE_BL_BC	40	2041
Iteration_19	Construct_BG_LE_BL_BC	40	2042
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Iteration_19	Construct_BG_LE_BL_BC	40	2046
Iteration_19	Construct_BG_LE_BL_BC	40	2047
Iteration_19	Construct_BG_LE_BL_BC	40	2048
Iteration_19	Construct_BG_LE_BL_BC	40	2049
Iteration_19	Construct_BG_LE_BL_BC	40	2050
Iteration_19	Construct_BG_LE_BL_BC	40	2051
Annual Book Depreciation			
Tax Depreciation Transmission Upgrade C			
Tax Schedule			
Iteration_19	Construct_BG_LE_BL_BC	20	2022

Iteration_19	Construct_BG_LE_BL_BC	20	2023
Iteration_19	Construct_BG_LE_BL_BC	20	2024
Iteration_19	Construct_BG_LE_BL_BC	20	2025
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Iteration_19	Construct_BG_LE_BL_BC	20	2047
Iteration_19	Construct_BG_LE_BL_BC	20	2048
Iteration_19	Construct_BG_LE_BL_BC	20	2049
Iteration_19	Construct_BG_LE_BL_BC	20	2050
Iteration_19	Construct_BG_LE_BL_BC	20	2051
Iteration_19	Construct_BG_LE_BL_BC		Annual Tax Depreciation
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Gas CC
Iteration_19	Construct_BG_LE_BL_BC		Depreciable CapEx

Iteration_19	Construct_BG_LE_BL_BC
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Iteration_19	Construct_BG_LE_BL_BC
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Iteration_19	Construct_BG_LE_BL_BC

Depreciation Period
Book Depreciation Calcs

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Iteration_19	Construct_BG_LE_BL_BC	30	2051
Iteration_19	Construct_BG_LE_BL_BC		Annual Book Depreciation
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Tax Depreciation Gas CC
Iteration_19	Construct_BG_LE_BL_BC		Tax Schedule
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC	20	2022
Iteration_19	Construct_BG_LE_BL_BC	20	2023
Iteration_19	Construct_BG_LE_BL_BC	20	2024
Iteration_19	Construct_BG_LE_BL_BC	20	2025
Iteration_19	Construct_BG_LE_BL_BC	20	2026
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Iteration_19	Construct_BG_LE_BL_BC	20	2049
Iteration_19	Construct_BG_LE_BL_BC	20	2050
Iteration_19	Construct_BG_LE_BL_BC	20	2051
Annual Tax Depreciation			
Book Depreciation Gas CT			
Depreciable CapEx			
Depreciation Period			
Book Depreciation Calcs			
Iteration_19	Construct_BG_LE_BL_BC	30	2022
Iteration_19	Construct_BG_LE_BL_BC	30	2023
Iteration_19	Construct_BG_LE_BL_BC	30	2024
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Iteration_19	Construct_BG_LE_BL_BC	30	2049
Iteration_19	Construct_BG_LE_BL_BC	30	2050
Iteration_19	Construct_BG_LE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Gas CT			
Tax Schedule			
Iteration_19	Construct_BG_LE_BL_BC	15	2022
Iteration_19	Construct_BG_LE_BL_BC	15	2023
Iteration_19	Construct_BG_LE_BL_BC	15	2024
Iteration_19	Construct_BG_LE_BL_BC	15	2025
Iteration_19	Construct_BG_LE_BL_BC	15	2026
Iteration_19	Construct_BG_LE_BL_BC	15	2027
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Iteration_19	Construct_BG_LE_BL_BC	15	2049
Iteration_19	Construct_BG_LE_BL_BC	15	2050
Iteration_19	Construct_BG_LE_BL_BC	15	2051
Iteration_19	Construct_BG_LE_BL_BC		Annual Tax Depreciation
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Battery
Iteration_19	Construct_BG_LE_BL_BC		Depreciable CapEx
Iteration_19	Construct_BG_LE_BL_BC		Depreciation Period
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Calcs
Iteration_19	Construct_BG_LE_BL_BC	30	2022
Iteration_19	Construct_BG_LE_BL_BC	30	2023
Iteration_19	Construct_BG_LE_BL_BC	30	2024
Iteration_19	Construct_BG_LE_BL_BC	30	2025
Iteration_19	Construct_BG_LE_BL_BC	30	2026
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Iteration_19	Construct_BG_LE_BL_BC	30	2028
Iteration_19	Construct_BG_LE_BL_BC	30	2029
Iteration_19	Construct_BG_LE_BL_BC	30	2030

Iteration_19	Construct_BG_LE_BL_BC	30	2031
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Iteration_19	Construct_BG_LE_BL_BC	30	2049
Iteration_19	Construct_BG_LE_BL_BC	30	2050
Iteration_19	Construct_BG_LE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Battery			
Tax Schedule			
Iteration_19	Construct_BG_LE_BL_BC	7	2022
Iteration_19	Construct_BG_LE_BL_BC	7	2023
Iteration_19	Construct_BG_LE_BL_BC	7	2024
Iteration_19	Construct_BG_LE_BL_BC	7	2025
Iteration_19	Construct_BG_LE_BL_BC	7	2026

Iteration_19	Construct_BG_LE_BL_BC	7	2027
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Iteration_19	Construct_BG_LE_BL_BC	7	2049
Iteration_19	Construct_BG_LE_BL_BC	7	2050
Iteration_19	Construct_BG_LE_BL_BC	7	2051
Iteration_19	Construct_BG_LE_BL_BC		Annual Tax Depreciation
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Renewable
Iteration_19	Construct_BG_LE_BL_BC		Depreciable CapEx
Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC		Depreciation Period
Iteration_19	Construct_BG_LE_BL_BC		Book Depreciation Calcs
Iteration_19	Construct_BG_LE_BL_BC		

Iteration_19	Construct_BG_LE_BL_BC		
Iteration_19	Construct_BG_LE_BL_BC	30	2022
Iteration_19	Construct_BG_LE_BL_BC	30	2023
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Iteration_19	Construct_BG_LE_BL_BC	30	2051
Iteration_19	Construct_BG_LE_BL_BC		Annual Book Depreciation
Iteration_19	Construct_BG_LE_BL_BC		

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Tax Depreciation Renewable

Tax Schedule

5	2022
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5	2049
5	2050

Iteration_19 Construct_BG_LE_BL_BC
Iteration_19 Construct_BG_LE_BL_BC

5

2051

Annual Tax Depreciation

Portfolio Name

Iteration Scenario

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Iteration_10 Construct_BG_HE_BL_BC

Revenue Requirement Buildup

Revenue Requirement Calc

20-Yr NPV

- * Book Depreciation
- * Total Generation O&M
- * Capital Charge
- * Taxes
- * **Total Revenue Requirement**
- * **Total Portfolio Demand (MWh)**
- * **Generation Rates (\$/MWh)**
- *
- * **NPV RR (20-Yr)**

O&M Summary

Total O&M Costs

Portfolio Cost Check

Variable O&M

20-Yr NPV

- * Total Portfolio Cost
- * Total Owned Cost
- * Net Market Purchases
- * Market Purchases (Energy)
- * Market Sales (Energy)
- * Contract Cost
- * Contract Sales
- * **Capacity Shortage Cost**
- * **Other Fixed Costs**

Iteration_10	Construct_BG_HE_BL_BC	*
Iteration_10	Construct_BG_HE_BL_BC	*
Iteration_10	Construct_BG_HE_BL_BC	*
Iteration_10	Construct_BG_HE_BL_BC	*
Iteration_10	Construct_BG_HE_BL_BC	*
Iteration_10	Construct_BG_HE_BL_BC	CCGT
Iteration_10	Construct_BG_HE_BL_BC	CT- Frame
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero
Iteration_10	Construct_BG_HE_BL_BC	RICE
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor
Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)
Iteration_10	Construct_BG_HE_BL_BC	Flow Battery- Long
Iteration_10	Construct_BG_HE_BL_BC	Gravity
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	
Iteration_10	Construct_BG_HE_BL_BC	CCGT

* Existing Unit FOM
* Existing Unit FOM Gas Adder
* Decomissioning
* Non-Generation O&M
* New Unit FOM + Adder
CCGT - FOM
CT- Frame - FOM
CT- Aero - FOM
RICE - FOM
PV- Single-axis Tracking - FOM
PV- Fixed Tilt - FOM
Solar Tracking (NO IC) - FOM
Utility-scale PV + Storage (4:1) - FOM
Utility-scale PV + Storage (2:1) - FOM
Distributed PV + Storage (2:1) - FOM
Distributed PV (Community) - FOM
Distributed PV (Residential) - FOM
Distributed PV (C&I) - FOM
Distributed RICE - FOM
Small Modular Reactor - FOM
CCS Retrofit on CC - FOM
Hydrogen Retrofit on CC - FOM
Hydrogen CC - FOM
Lithium-Ion (4-hr) - FOM
Distributed Lithium-Ion (4-hr) - FOM
Flow Battery- Long - FOM
Gravity - FOM
RICE (NO IC) - FOM
Hydrogen Retrofit on CC (NO IC) - FO
Utility Scale S+B (2:1) (NO IC) - FOM
Utility Scale S+B (4:1) (NO IC) - FOM
4-Hr Li Storage (NO IC) - FOM
New Unit Subhourly / Ancillary Revenue
CCGT - SH/AS Rev

Iteration_10	Construct_BG_HE_BL_BC	CT- Frame	CT- Frame - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero	CT- Aero - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	RICE	RICE - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - SH/A
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - SH/A
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - SH/A
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - SH/AS
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - SH/AS F
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE	Distributed RICE - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor	Small Modular Reactor - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC	Hydrogen CC - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - SH/A
Iteration_10	Construct_BG_HE_BL_BC	Flow Battery- Long	Flow Battery- Long - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Gravity	Gravity - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)	RICE (NO IC) - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - SH,
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - SH/AS
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - SH/AS
Iteration_10	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - SH/AS Rev
Iteration_10	Construct_BG_HE_BL_BC		Avoided Distribution Revenue
Iteration_10	Construct_BG_HE_BL_BC	CCGT	CCGT - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	CT- Frame	CT- Frame - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero	CT- Aero - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	RICE	RICE - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	PV- Single-axis Tracking - Avoided D F
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt	PV- Fixed Tilt - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	Solar Tracking (NO IC) - Avoided D Re

Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	Utility-scale PV + Storage (4:1) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	Utility-scale PV + Storage (2:1) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	Distributed PV + Storage (2:1) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)	Distributed PV (Community) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)	Distributed PV (Residential) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)	Distributed PV (C&I) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE	Distributed RICE - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor	Small Modular Reactor - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC	CCS Retrofit on CC - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	Hydrogen Retrofit on CC - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC	Hydrogen CC - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	Lithium-Ion (4-hr) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	Distributed Lithium-Ion (4-hr) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Flow Battery- Long	Flow Battery- Long - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Gravity	Gravity - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)	RICE (NO IC) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Hydrogen Retrofit on CC (NO IC) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Utility Scale S+B (2:1) (NO IC) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Utility Scale S+B (4:1) (NO IC) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	4-Hr Li Storage (NO IC) - Avoided D Rev
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		Rate Base Calculation
Iteration_10	Construct_BG_HE_BL_BC		Starting Rate Base
Iteration_10	Construct_BG_HE_BL_BC		CapEx
Iteration_10	Construct_BG_HE_BL_BC		New CapEx (Including AFUDC)
Iteration_10	Construct_BG_HE_BL_BC	CCGT	New CCGT CapEx
Iteration_10	Construct_BG_HE_BL_BC	CT- Frame	New CT- Frame CapEx
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero	New CT- Aero CapEx
Iteration_10	Construct_BG_HE_BL_BC	RICE	New RICE CapEx
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1)

Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE	New Distributed RICE CapEx
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx
Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx
Iteration_10	Construct_BG_HE_BL_BC	Gravity	New Gravity CapEx
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	CCGT	New CCGT CapEx
Iteration_10	Construct_BG_HE_BL_BC	CT- Frame	New CT- Frame CapEx
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero	New CT- Aero CapEx
Iteration_10	Construct_BG_HE_BL_BC	RICE	New RICE CapEx
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking CapEx
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt CapEx
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE	New Distributed RICE CapEx
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor	New Small Modular Reactor CapEx

Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC CapEx
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC CapEx
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC	New Hydrogen CC CapEx
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Flow Battery- Long	New Flow Battery- Long CapEx
Iteration_10	Construct_BG_HE_BL_BC	Gravity	New Gravity CapEx
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)	New RICE (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	New Utility Scale S+B (2:1) (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	New Utility Scale S+B (4:1) (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	New 4-Hr Li Storage (NO IC) CapEx
Iteration_10	Construct_BG_HE_BL_BC	Ongoing CapEx - Peakers	Ongoing CapEx - Peakers
Iteration_10	Construct_BG_HE_BL_BC	Ongoing CapEx - Other Gen and Non Gen	Ongoing CapEx - Other Gen and Non Gen
Iteration_10	Construct_BG_HE_BL_BC	Transmission Upgrade CapEx	Transmission Upgrade CapEx
Iteration_10	Construct_BG_HE_BL_BC		Ongoing CapEx - New
Iteration_10	Construct_BG_HE_BL_BC	CCGT	Ongoing CapEx CCGT
Iteration_10	Construct_BG_HE_BL_BC	CT- Frame	Ongoing CapEx CT- Frame
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero	Ongoing CapEx CT- Aero
Iteration_10	Construct_BG_HE_BL_BC	RICE	Ongoing CapEx RICE
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	Ongoing CapEx PV- Single-axis Tracking
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt	Ongoing CapEx PV- Fixed Tilt
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	Ongoing CapEx Solar Tracking (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	Ongoing CapEx Utility-scale PV + Storage (4:1)
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	Ongoing CapEx Utility-scale PV + Storage (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	Ongoing CapEx Distributed PV + Storage (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)	Ongoing CapEx Distributed PV (Community)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)	Ongoing CapEx Distributed PV (Residential)
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)	Ongoing CapEx Distributed PV (C&I)
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE	Ongoing CapEx Distributed RICE
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor	Ongoing CapEx Small Modular Reactor
Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC	Ongoing CapEx CCS Retrofit on CC
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	Ongoing CapEx Hydrogen Retrofit on CC
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC	Ongoing CapEx Hydrogen CC

Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	Ongoing CapEx Lithium-Ion (4-hr)
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	Ongoing CapEx Distributed Lithium-Ion
Iteration_10	Construct_BG_HE_BL_BC	Flow Battery- Long	Ongoing CapEx Flow Battery- Long
Iteration_10	Construct_BG_HE_BL_BC	Gravity	Ongoing CapEx Gravity
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)	Ongoing CapEx RICE (NO IC)
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	Ongoing CapEx Hydrogen Retrofit on CC
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (2:1) (NO IC)	Ongoing CapEx Utility Scale S+B (2:1)
Iteration_10	Construct_BG_HE_BL_BC	Utility Scale S+B (4:1) (NO IC)	Ongoing CapEx Utility Scale S+B (4:1)
Iteration_10	Construct_BG_HE_BL_BC	4-Hr Li Storage (NO IC)	Ongoing CapEx 4-Hr Li Storage (NO IC)
Iteration_10	Construct_BG_HE_BL_BC		Depreciation - New
Iteration_10	Construct_BG_HE_BL_BC		Change in Deferred Tax Liability
Iteration_10	Construct_BG_HE_BL_BC		Depreciation - Existing
Iteration_10	Construct_BG_HE_BL_BC		Ending Rate Base
Iteration_10	Construct_BG_HE_BL_BC		Property Taxes
			Existing Plant
Iteration_10	Construct_BG_HE_BL_BC		Asbury
Iteration_10	Construct_BG_HE_BL_BC		Energy Center 1/2
Iteration_10	Construct_BG_HE_BL_BC		Energy Center 3/4
Iteration_10	Construct_BG_HE_BL_BC		Riverton 10/11
Iteration_10	Construct_BG_HE_BL_BC		Riverton CC
Iteration_10	Construct_BG_HE_BL_BC		State Line 1
Iteration_10	Construct_BG_HE_BL_BC		State Line CC
Iteration_10	Construct_BG_HE_BL_BC		Plum Point (Ownership)
Iteration_10	Construct_BG_HE_BL_BC		Iatan 1
Iteration_10	Construct_BG_HE_BL_BC		Iatan 2
Iteration_10	Construct_BG_HE_BL_BC		Ozark Beach 5, 6, 7, and 8
Iteration_10	Construct_BG_HE_BL_BC		Neosho Ridge Wind - 116
Iteration_10	Construct_BG_HE_BL_BC		Kings Point Wind - 117
Iteration_10	Construct_BG_HE_BL_BC		North Fork Ridge Wind - 118
Iteration_10	Construct_BG_HE_BL_BC		Prosperity Solar - 119
Iteration_10	Construct_BG_HE_BL_BC		Total

Iteration_10 Construct_BG_HE_BL_BC
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Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC
Iteration_10 Construct_BG_HE_BL_BC

Asbury
Energy Center 1/2
Energy Center 3/4
Riverton 10/11
Riverton CC
State Line 1
State Line CC
Plum Point (Ownership)
Iatan 1
Iatan 2
Ozark Beach 5, 6, 7, and 8
Neosho Ridge Wind - 116
Kings Point Wind - 117
North Fork Ridge Wind - 118
Prosperity Solar - 119
Total

Asbury
Energy Center 1/2
Energy Center 3/4
Riverton 10/11
Riverton CC
State Line 1
State Line CC
Plum Point (Ownership)
Iatan 1
Iatan 2
Ozark Beach 5, 6, 7, and 8
Neosho Ridge Wind - 116
Kings Point Wind - 117
North Fork Ridge Wind - 118
Prosperity Solar - 119
Total

Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC	CCGT	AFUDC Calc New CCGT Schedule
Iteration_10	Construct_BG_HE_BL_BC	CT- Frame	New CT- Frame Schedule
Iteration_10	Construct_BG_HE_BL_BC	CT- Aero	New CT- Aero Schedule
Iteration_10	Construct_BG_HE_BL_BC	RICE	New RICE Schedule
Iteration_10	Construct_BG_HE_BL_BC	PV- Single-axis Tracking	New PV- Single-axis Tracking Schedule
Iteration_10	Construct_BG_HE_BL_BC	PV- Fixed Tilt	New PV- Fixed Tilt Schedule
Iteration_10	Construct_BG_HE_BL_BC	Solar Tracking (NO IC)	New Solar Tracking (NO IC) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV + Storage (2:1)	New Distributed PV + Storage (2:1) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Community)	New Distributed PV (Community) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (Residential)	New Distributed PV (Residential) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Distributed PV (C&I)	New Distributed PV (C&I) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Distributed RICE	New Distributed RICE Schedule
Iteration_10	Construct_BG_HE_BL_BC	Small Modular Reactor	New Small Modular Reactor Schedule
Iteration_10	Construct_BG_HE_BL_BC	CCS Retrofit on CC	New CCS Retrofit on CC Schedule
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC	New Hydrogen Retrofit on CC Schedule
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen CC	New Hydrogen CC Schedule
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Distributed Lithium-Ion (4-hr)	New Distributed Lithium-Ion (4-hr) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_10	Construct_BG_HE_BL_BC	RICE (NO IC)	New RICE (NO IC) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Hydrogen Retrofit on CC (NO IC)	New Hydrogen Retrofit on CC (NO IC) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (2:1)	New Utility-scale PV + Storage (2:1) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Utility-scale PV + Storage (4:1)	New Utility-scale PV + Storage (4:1) Schedule
Iteration_10	Construct_BG_HE_BL_BC	Lithium-Ion (4-hr)	New Lithium-Ion (4-hr) Schedule
Iteration_10	Construct_BG_HE_BL_BC		New CCGT AFUDC
Iteration_10	Construct_BG_HE_BL_BC		New CT- Frame AFUDC
Iteration_10	Construct_BG_HE_BL_BC		New CT- Aero AFUDC
Iteration_10	Construct_BG_HE_BL_BC		New RICE AFUDC
Iteration_10	Construct_BG_HE_BL_BC		New PV- Single-axis Tracking AFUDC

Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
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Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC

New PV- Fixed Tilt AFUDC
New Solar Tracking (NO IC) AFUDC
New Utility-scale PV + Storage (4:1) AFUDC
New Utility-scale PV + Storage (2:1) AFUDC
New Distributed PV + Storage (2:1) AFUDC
New Distributed PV (Community) AFUDC
New Distributed PV (Residential) AFUDC
New Distributed PV (C&I) AFUDC
New Distributed RICE AFUDC
New Small Modular Reactor AFUDC
New CCS Retrofit on CC AFUDC
New Hydrogen Retrofit on CC AFUDC
New Hydrogen CC AFUDC
New Lithium-Ion (4-hr) AFUDC
New Distributed Lithium-Ion (4-hr) AFUDC
New Lithium-Ion (4-hr) AFUDC
New Lithium-Ion (4-hr) AFUDC
New RICE (NO IC) AFUDC
New Hydrogen Retrofit on CC (NO IC) AFUDC
New Utility-scale PV + Storage (2:1) AFUDC
New Utility-scale PV + Storage (4:1) AFUDC
New Lithium-Ion (4-hr) AFUDC
Accumulated AFUDC CCGT
Accumulated AFUDC CT- Frame
Accumulated AFUDC CT- Aero
Accumulated AFUDC RICE
Accumulated AFUDC PV- Single-axis Tracking
Accumulated AFUDC PV- Fixed Tilt
Accumulated AFUDC Solar Tracking (NO IC)
Accumulated AFUDC Utility-scale PV + Storage
Accumulated AFUDC Utility-scale PV + Storage
Accumulated AFUDC Distributed PV + Storage
Accumulated AFUDC Distributed PV (Community)
Accumulated AFUDC Distributed PV (Residential)

Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
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Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC

New CapEx (\$)	
New Equity (\$)	
New Debt (\$)	
Existing Equity Cost	
Existing Debt Cost	
New Equity Cost	
New Debt Cost	
Return on (WACC)	
Return On Ratebase	
Equity % Ratebase	
ROE	
Debt Check	
Total Debt + Total Equity	
Depreciation Calculation	
Book Depreciation Small Modular Reactor	
Depreciable CapEx	
Depreciation Period	
Book Depreciation Calcs	
40	2022
40	2023
40	2024
40	2025
40	2026
40	2027
40	2028
40	2029
40	2030
40	2031
40	2032
40	2033
40	2034

Iteration_10	Construct_BG_HE_BL_BC	40	2035
Iteration_10	Construct_BG_HE_BL_BC	40	2036
Iteration_10	Construct_BG_HE_BL_BC	40	2037
Iteration_10	Construct_BG_HE_BL_BC	40	2038
Iteration_10	Construct_BG_HE_BL_BC	40	2039
Iteration_10	Construct_BG_HE_BL_BC	40	2040
Iteration_10	Construct_BG_HE_BL_BC	40	2041
Iteration_10	Construct_BG_HE_BL_BC	40	2042
Iteration_10	Construct_BG_HE_BL_BC	40	2043
Iteration_10	Construct_BG_HE_BL_BC	40	2044
Iteration_10	Construct_BG_HE_BL_BC	40	2045
Iteration_10	Construct_BG_HE_BL_BC	40	2046
Iteration_10	Construct_BG_HE_BL_BC	40	2047
Iteration_10	Construct_BG_HE_BL_BC	40	2048
Iteration_10	Construct_BG_HE_BL_BC	40	2049
Iteration_10	Construct_BG_HE_BL_BC	40	2050
Iteration_10	Construct_BG_HE_BL_BC	40	2051
Iteration_10	Construct_BG_HE_BL_BC	40	2052
Iteration_10	Construct_BG_HE_BL_BC	40	2053
Iteration_10	Construct_BG_HE_BL_BC	40	2054
Iteration_10	Construct_BG_HE_BL_BC	40	2055
Iteration_10	Construct_BG_HE_BL_BC	40	2056
Iteration_10	Construct_BG_HE_BL_BC	40	2057
Iteration_10	Construct_BG_HE_BL_BC	40	2058
Iteration_10	Construct_BG_HE_BL_BC	40	2059
Iteration_10	Construct_BG_HE_BL_BC	40	2060
Iteration_10	Construct_BG_HE_BL_BC	40	2061

Annual Book Depreciation

Tax Depreciation Small Modular Reactor
Tax Schedule

Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC	15	2022
Iteration_10	Construct_BG_HE_BL_BC	15	2023
Iteration_10	Construct_BG_HE_BL_BC	15	2024
Iteration_10	Construct_BG_HE_BL_BC	15	2025
Iteration_10	Construct_BG_HE_BL_BC	15	2026
Iteration_10	Construct_BG_HE_BL_BC	15	2027
Iteration_10	Construct_BG_HE_BL_BC	15	2028
Iteration_10	Construct_BG_HE_BL_BC	15	2029
Iteration_10	Construct_BG_HE_BL_BC	15	2030
Iteration_10	Construct_BG_HE_BL_BC	15	2031
Iteration_10	Construct_BG_HE_BL_BC	15	2032
Iteration_10	Construct_BG_HE_BL_BC	15	2033
Iteration_10	Construct_BG_HE_BL_BC	15	2034
Iteration_10	Construct_BG_HE_BL_BC	15	2035
Iteration_10	Construct_BG_HE_BL_BC	15	2036
Iteration_10	Construct_BG_HE_BL_BC	15	2037
Iteration_10	Construct_BG_HE_BL_BC	15	2038
Iteration_10	Construct_BG_HE_BL_BC	15	2039
Iteration_10	Construct_BG_HE_BL_BC	15	2040
Iteration_10	Construct_BG_HE_BL_BC	15	2041
Iteration_10	Construct_BG_HE_BL_BC	15	2042
Iteration_10	Construct_BG_HE_BL_BC	15	2043
Iteration_10	Construct_BG_HE_BL_BC	15	2044
Iteration_10	Construct_BG_HE_BL_BC	15	2045
Iteration_10	Construct_BG_HE_BL_BC	15	2046
Iteration_10	Construct_BG_HE_BL_BC	15	2047
Iteration_10	Construct_BG_HE_BL_BC	15	2048
Iteration_10	Construct_BG_HE_BL_BC	15	2049
Iteration_10	Construct_BG_HE_BL_BC	15	2050
Iteration_10	Construct_BG_HE_BL_BC	15	2051
Iteration_10	Construct_BG_HE_BL_BC	15	2052
Iteration_10	Construct_BG_HE_BL_BC	15	2053
Iteration_10	Construct_BG_HE_BL_BC	15	2054

Iteration_10	Construct_BG_HE_BL_BC	15	2055
Iteration_10	Construct_BG_HE_BL_BC	15	2056
Iteration_10	Construct_BG_HE_BL_BC	15	2057
Iteration_10	Construct_BG_HE_BL_BC	15	2058
Iteration_10	Construct_BG_HE_BL_BC	15	2059
Iteration_10	Construct_BG_HE_BL_BC	15	2060
Iteration_10	Construct_BG_HE_BL_BC	15	2061

Annual Tax Depreciation

Book Depreciation Ongoing CapEx - Peake
Depreciable CapEx

Depreciation Period
Book Depreciation Calcs

Iteration_10	Construct_BG_HE_BL_BC	30	2022
Iteration_10	Construct_BG_HE_BL_BC	30	2023
Iteration_10	Construct_BG_HE_BL_BC	30	2024
Iteration_10	Construct_BG_HE_BL_BC	30	2025
Iteration_10	Construct_BG_HE_BL_BC	30	2026
Iteration_10	Construct_BG_HE_BL_BC	30	2027
Iteration_10	Construct_BG_HE_BL_BC	30	2028
Iteration_10	Construct_BG_HE_BL_BC	30	2029
Iteration_10	Construct_BG_HE_BL_BC	30	2030
Iteration_10	Construct_BG_HE_BL_BC	30	2031
Iteration_10	Construct_BG_HE_BL_BC	30	2032
Iteration_10	Construct_BG_HE_BL_BC	30	2033
Iteration_10	Construct_BG_HE_BL_BC	30	2034
Iteration_10	Construct_BG_HE_BL_BC	30	2035
Iteration_10	Construct_BG_HE_BL_BC	30	2036
Iteration_10	Construct_BG_HE_BL_BC	30	2037
Iteration_10	Construct_BG_HE_BL_BC	30	2038

Iteration_10	Construct_BG_HE_BL_BC	30	2039
Iteration_10	Construct_BG_HE_BL_BC	30	2040
Iteration_10	Construct_BG_HE_BL_BC	30	2041
Iteration_10	Construct_BG_HE_BL_BC	30	2042
Iteration_10	Construct_BG_HE_BL_BC	30	2043
Iteration_10	Construct_BG_HE_BL_BC	30	2044
Iteration_10	Construct_BG_HE_BL_BC	30	2045
Iteration_10	Construct_BG_HE_BL_BC	30	2046
Iteration_10	Construct_BG_HE_BL_BC	30	2047
Iteration_10	Construct_BG_HE_BL_BC	30	2048
Iteration_10	Construct_BG_HE_BL_BC	30	2049
Iteration_10	Construct_BG_HE_BL_BC	30	2050
Iteration_10	Construct_BG_HE_BL_BC	30	2051
Iteration_10	Construct_BG_HE_BL_BC	30	2052
Iteration_10	Construct_BG_HE_BL_BC	30	2053
Iteration_10	Construct_BG_HE_BL_BC	30	2054
Iteration_10	Construct_BG_HE_BL_BC	30	2055
Iteration_10	Construct_BG_HE_BL_BC	30	2056
Iteration_10	Construct_BG_HE_BL_BC	30	2057
Iteration_10	Construct_BG_HE_BL_BC	30	2058
Iteration_10	Construct_BG_HE_BL_BC	30	2059
Iteration_10	Construct_BG_HE_BL_BC	30	2060
Iteration_10	Construct_BG_HE_BL_BC	30	2061
Annual Book Depreciation			
Tax Depreciation Ongoing CapEx - Peaker:			
Tax Schedule			
Iteration_10	Construct_BG_HE_BL_BC	15	2022
Iteration_10	Construct_BG_HE_BL_BC	15	2023
Iteration_10	Construct_BG_HE_BL_BC	15	2024

Iteration_10	Construct_BG_HE_BL_BC	15	2025
Iteration_10	Construct_BG_HE_BL_BC	15	2026
Iteration_10	Construct_BG_HE_BL_BC	15	2027
Iteration_10	Construct_BG_HE_BL_BC	15	2028
Iteration_10	Construct_BG_HE_BL_BC	15	2029
Iteration_10	Construct_BG_HE_BL_BC	15	2030
Iteration_10	Construct_BG_HE_BL_BC	15	2031
Iteration_10	Construct_BG_HE_BL_BC	15	2032
Iteration_10	Construct_BG_HE_BL_BC	15	2033
Iteration_10	Construct_BG_HE_BL_BC	15	2034
Iteration_10	Construct_BG_HE_BL_BC	15	2035
Iteration_10	Construct_BG_HE_BL_BC	15	2036
Iteration_10	Construct_BG_HE_BL_BC	15	2037
Iteration_10	Construct_BG_HE_BL_BC	15	2038
Iteration_10	Construct_BG_HE_BL_BC	15	2039
Iteration_10	Construct_BG_HE_BL_BC	15	2040
Iteration_10	Construct_BG_HE_BL_BC	15	2041
Iteration_10	Construct_BG_HE_BL_BC	15	2042
Iteration_10	Construct_BG_HE_BL_BC	15	2043
Iteration_10	Construct_BG_HE_BL_BC	15	2044
Iteration_10	Construct_BG_HE_BL_BC	15	2045
Iteration_10	Construct_BG_HE_BL_BC	15	2046
Iteration_10	Construct_BG_HE_BL_BC	15	2047
Iteration_10	Construct_BG_HE_BL_BC	15	2048
Iteration_10	Construct_BG_HE_BL_BC	15	2049
Iteration_10	Construct_BG_HE_BL_BC	15	2050
Iteration_10	Construct_BG_HE_BL_BC	15	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Tax Depreciation
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Ongoing CapEx - Other
Iteration_10	Construct_BG_HE_BL_BC		Depreciable CapEx
Iteration_10	Construct_BG_HE_BL_BC		Depreciation Period

Book Depreciation Calcs

Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC	40	2022
Iteration_10	Construct_BG_HE_BL_BC	40	2023
Iteration_10	Construct_BG_HE_BL_BC	40	2024
Iteration_10	Construct_BG_HE_BL_BC	40	2025
Iteration_10	Construct_BG_HE_BL_BC	40	2026
Iteration_10	Construct_BG_HE_BL_BC	40	2027
Iteration_10	Construct_BG_HE_BL_BC	40	2028
Iteration_10	Construct_BG_HE_BL_BC	40	2029
Iteration_10	Construct_BG_HE_BL_BC	40	2030
Iteration_10	Construct_BG_HE_BL_BC	40	2031
Iteration_10	Construct_BG_HE_BL_BC	40	2032
Iteration_10	Construct_BG_HE_BL_BC	40	2033
Iteration_10	Construct_BG_HE_BL_BC	40	2034
Iteration_10	Construct_BG_HE_BL_BC	40	2035
Iteration_10	Construct_BG_HE_BL_BC	40	2036
Iteration_10	Construct_BG_HE_BL_BC	40	2037
Iteration_10	Construct_BG_HE_BL_BC	40	2038
Iteration_10	Construct_BG_HE_BL_BC	40	2039
Iteration_10	Construct_BG_HE_BL_BC	40	2040
Iteration_10	Construct_BG_HE_BL_BC	40	2041
Iteration_10	Construct_BG_HE_BL_BC	40	2042
Iteration_10	Construct_BG_HE_BL_BC	40	2043
Iteration_10	Construct_BG_HE_BL_BC	40	2044
Iteration_10	Construct_BG_HE_BL_BC	40	2045
Iteration_10	Construct_BG_HE_BL_BC	40	2046
Iteration_10	Construct_BG_HE_BL_BC	40	2047
Iteration_10	Construct_BG_HE_BL_BC	40	2048
Iteration_10	Construct_BG_HE_BL_BC	40	2049
Iteration_10	Construct_BG_HE_BL_BC	40	2050
Iteration_10	Construct_BG_HE_BL_BC	40	2051
			Annual Book Depreciation

Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
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Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC

Tax Depreciation Ongoing CapEx - Other C
Tax Schedule

20	2022
20	2023
20	2024
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20	2040
20	2041
20	2042
20	2043
20	2044
20	2045
20	2046
20	2047
20	2048

Iteration_10	Construct_BG_HE_BL_BC	20	2049
Iteration_10	Construct_BG_HE_BL_BC	20	2050
Iteration_10	Construct_BG_HE_BL_BC	20	2051
Annual Tax Depreciation			
Book Depreciation Transmission Upgrade			
Depreciable CapEx			
Depreciation Period			
Book Depreciation Calcs			
Iteration_10	Construct_BG_HE_BL_BC	40	2022
Iteration_10	Construct_BG_HE_BL_BC	40	2023
Iteration_10	Construct_BG_HE_BL_BC	40	2024
Iteration_10	Construct_BG_HE_BL_BC	40	2025
Iteration_10	Construct_BG_HE_BL_BC	40	2026
Iteration_10	Construct_BG_HE_BL_BC	40	2027
Iteration_10	Construct_BG_HE_BL_BC	40	2028
Iteration_10	Construct_BG_HE_BL_BC	40	2029
Iteration_10	Construct_BG_HE_BL_BC	40	2030
Iteration_10	Construct_BG_HE_BL_BC	40	2031
Iteration_10	Construct_BG_HE_BL_BC	40	2032
Iteration_10	Construct_BG_HE_BL_BC	40	2033
Iteration_10	Construct_BG_HE_BL_BC	40	2034
Iteration_10	Construct_BG_HE_BL_BC	40	2035
Iteration_10	Construct_BG_HE_BL_BC	40	2036
Iteration_10	Construct_BG_HE_BL_BC	40	2037
Iteration_10	Construct_BG_HE_BL_BC	40	2038
Iteration_10	Construct_BG_HE_BL_BC	40	2039
Iteration_10	Construct_BG_HE_BL_BC	40	2040
Iteration_10	Construct_BG_HE_BL_BC	40	2041
Iteration_10	Construct_BG_HE_BL_BC	40	2042

Iteration_10	Construct_BG_HE_BL_BC	40	2043
Iteration_10	Construct_BG_HE_BL_BC	40	2044
Iteration_10	Construct_BG_HE_BL_BC	40	2045
Iteration_10	Construct_BG_HE_BL_BC	40	2046
Iteration_10	Construct_BG_HE_BL_BC	40	2047
Iteration_10	Construct_BG_HE_BL_BC	40	2048
Iteration_10	Construct_BG_HE_BL_BC	40	2049
Iteration_10	Construct_BG_HE_BL_BC	40	2050
Iteration_10	Construct_BG_HE_BL_BC	40	2051

Annual Book Depreciation

Tax Depreciation Transmission Upgrade C

Tax Schedule

Iteration_10	Construct_BG_HE_BL_BC	20	2022
Iteration_10	Construct_BG_HE_BL_BC	20	2023
Iteration_10	Construct_BG_HE_BL_BC	20	2024
Iteration_10	Construct_BG_HE_BL_BC	20	2025
Iteration_10	Construct_BG_HE_BL_BC	20	2026
Iteration_10	Construct_BG_HE_BL_BC	20	2027
Iteration_10	Construct_BG_HE_BL_BC	20	2028
Iteration_10	Construct_BG_HE_BL_BC	20	2029
Iteration_10	Construct_BG_HE_BL_BC	20	2030
Iteration_10	Construct_BG_HE_BL_BC	20	2031
Iteration_10	Construct_BG_HE_BL_BC	20	2032
Iteration_10	Construct_BG_HE_BL_BC	20	2033
Iteration_10	Construct_BG_HE_BL_BC	20	2034
Iteration_10	Construct_BG_HE_BL_BC	20	2035
Iteration_10	Construct_BG_HE_BL_BC	20	2036
Iteration_10	Construct_BG_HE_BL_BC	20	2037
Iteration_10	Construct_BG_HE_BL_BC	20	2038

Iteration_10	Construct_BG_HE_BL_BC	20	2039
Iteration_10	Construct_BG_HE_BL_BC	20	2040
Iteration_10	Construct_BG_HE_BL_BC	20	2041
Iteration_10	Construct_BG_HE_BL_BC	20	2042
Iteration_10	Construct_BG_HE_BL_BC	20	2043
Iteration_10	Construct_BG_HE_BL_BC	20	2044
Iteration_10	Construct_BG_HE_BL_BC	20	2045
Iteration_10	Construct_BG_HE_BL_BC	20	2046
Iteration_10	Construct_BG_HE_BL_BC	20	2047
Iteration_10	Construct_BG_HE_BL_BC	20	2048
Iteration_10	Construct_BG_HE_BL_BC	20	2049
Iteration_10	Construct_BG_HE_BL_BC	20	2050
Iteration_10	Construct_BG_HE_BL_BC	20	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Tax Depreciation
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Gas CC
Iteration_10	Construct_BG_HE_BL_BC		Depreciable CapEx
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		Depreciation Period
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Calcs
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC	30	2022
Iteration_10	Construct_BG_HE_BL_BC	30	2023
Iteration_10	Construct_BG_HE_BL_BC	30	2024
Iteration_10	Construct_BG_HE_BL_BC	30	2025
Iteration_10	Construct_BG_HE_BL_BC	30	2026
Iteration_10	Construct_BG_HE_BL_BC	30	2027
Iteration_10	Construct_BG_HE_BL_BC	30	2028
Iteration_10	Construct_BG_HE_BL_BC	30	2029
Iteration_10	Construct_BG_HE_BL_BC	30	2030
Iteration_10	Construct_BG_HE_BL_BC	30	2031
Iteration_10	Construct_BG_HE_BL_BC	30	2032

Iteration_10	Construct_BG_HE_BL_BC	30	2033
Iteration_10	Construct_BG_HE_BL_BC	30	2034
Iteration_10	Construct_BG_HE_BL_BC	30	2035
Iteration_10	Construct_BG_HE_BL_BC	30	2036
Iteration_10	Construct_BG_HE_BL_BC	30	2037
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Iteration_10	Construct_BG_HE_BL_BC	30	2041
Iteration_10	Construct_BG_HE_BL_BC	30	2042
Iteration_10	Construct_BG_HE_BL_BC	30	2043
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Iteration_10	Construct_BG_HE_BL_BC	30	2045
Iteration_10	Construct_BG_HE_BL_BC	30	2046
Iteration_10	Construct_BG_HE_BL_BC	30	2047
Iteration_10	Construct_BG_HE_BL_BC	30	2048
Iteration_10	Construct_BG_HE_BL_BC	30	2049
Iteration_10	Construct_BG_HE_BL_BC	30	2050
Iteration_10	Construct_BG_HE_BL_BC	30	2051
			Annual Book Depreciation
			Tax Depreciation Gas CC
			Tax Schedule
Iteration_10	Construct_BG_HE_BL_BC	20	2022
Iteration_10	Construct_BG_HE_BL_BC	20	2023
Iteration_10	Construct_BG_HE_BL_BC	20	2024
Iteration_10	Construct_BG_HE_BL_BC	20	2025
Iteration_10	Construct_BG_HE_BL_BC	20	2026
Iteration_10	Construct_BG_HE_BL_BC	20	2027
Iteration_10	Construct_BG_HE_BL_BC	20	2028

Iteration_10	Construct_BG_HE_BL_BC	20	2029
Iteration_10	Construct_BG_HE_BL_BC	20	2030
Iteration_10	Construct_BG_HE_BL_BC	20	2031
Iteration_10	Construct_BG_HE_BL_BC	20	2032
Iteration_10	Construct_BG_HE_BL_BC	20	2033
Iteration_10	Construct_BG_HE_BL_BC	20	2034
Iteration_10	Construct_BG_HE_BL_BC	20	2035
Iteration_10	Construct_BG_HE_BL_BC	20	2036
Iteration_10	Construct_BG_HE_BL_BC	20	2037
Iteration_10	Construct_BG_HE_BL_BC	20	2038
Iteration_10	Construct_BG_HE_BL_BC	20	2039
Iteration_10	Construct_BG_HE_BL_BC	20	2040
Iteration_10	Construct_BG_HE_BL_BC	20	2041
Iteration_10	Construct_BG_HE_BL_BC	20	2042
Iteration_10	Construct_BG_HE_BL_BC	20	2043
Iteration_10	Construct_BG_HE_BL_BC	20	2044
Iteration_10	Construct_BG_HE_BL_BC	20	2045
Iteration_10	Construct_BG_HE_BL_BC	20	2046
Iteration_10	Construct_BG_HE_BL_BC	20	2047
Iteration_10	Construct_BG_HE_BL_BC	20	2048
Iteration_10	Construct_BG_HE_BL_BC	20	2049
Iteration_10	Construct_BG_HE_BL_BC	20	2050
Iteration_10	Construct_BG_HE_BL_BC	20	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Tax Depreciation
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Gas CT
Iteration_10	Construct_BG_HE_BL_BC		Depreciable CapEx
Iteration_10	Construct_BG_HE_BL_BC		Depreciation Period
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Calcs
Iteration_10	Construct_BG_HE_BL_BC	30	2022

Iteration_10	Construct_BG_HE_BL_BC	30	2023
Iteration_10	Construct_BG_HE_BL_BC	30	2024
Iteration_10	Construct_BG_HE_BL_BC	30	2025
Iteration_10	Construct_BG_HE_BL_BC	30	2026
Iteration_10	Construct_BG_HE_BL_BC	30	2027
Iteration_10	Construct_BG_HE_BL_BC	30	2028
Iteration_10	Construct_BG_HE_BL_BC	30	2029
Iteration_10	Construct_BG_HE_BL_BC	30	2030
Iteration_10	Construct_BG_HE_BL_BC	30	2031
Iteration_10	Construct_BG_HE_BL_BC	30	2032
Iteration_10	Construct_BG_HE_BL_BC	30	2033
Iteration_10	Construct_BG_HE_BL_BC	30	2034
Iteration_10	Construct_BG_HE_BL_BC	30	2035
Iteration_10	Construct_BG_HE_BL_BC	30	2036
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Iteration_10	Construct_BG_HE_BL_BC	30	2041
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Iteration_10	Construct_BG_HE_BL_BC	30	2044
Iteration_10	Construct_BG_HE_BL_BC	30	2045
Iteration_10	Construct_BG_HE_BL_BC	30	2046
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Iteration_10	Construct_BG_HE_BL_BC	30	2048
Iteration_10	Construct_BG_HE_BL_BC	30	2049
Iteration_10	Construct_BG_HE_BL_BC	30	2050
Iteration_10	Construct_BG_HE_BL_BC	30	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Book Depreciation
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		Tax Depreciation Gas CT
Iteration_10	Construct_BG_HE_BL_BC		Tax Schedule

Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC	15	2022
Iteration_10	Construct_BG_HE_BL_BC	15	2023
Iteration_10	Construct_BG_HE_BL_BC	15	2024
Iteration_10	Construct_BG_HE_BL_BC	15	2025
Iteration_10	Construct_BG_HE_BL_BC	15	2026
Iteration_10	Construct_BG_HE_BL_BC	15	2027
Iteration_10	Construct_BG_HE_BL_BC	15	2028
Iteration_10	Construct_BG_HE_BL_BC	15	2029
Iteration_10	Construct_BG_HE_BL_BC	15	2030
Iteration_10	Construct_BG_HE_BL_BC	15	2031
Iteration_10	Construct_BG_HE_BL_BC	15	2032
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Iteration_10	Construct_BG_HE_BL_BC	15	2034
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Iteration_10	Construct_BG_HE_BL_BC	15	2046
Iteration_10	Construct_BG_HE_BL_BC	15	2047
Iteration_10	Construct_BG_HE_BL_BC	15	2048
Iteration_10	Construct_BG_HE_BL_BC	15	2049
Iteration_10	Construct_BG_HE_BL_BC	15	2050
Iteration_10	Construct_BG_HE_BL_BC	15	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Tax Depreciation

Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
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Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC
Iteration_10	Construct_BG_HE_BL_BC

Book Depreciation Battery

Depreciable CapEx

Depreciation Period

Book Depreciation Calcs

30	2022
30	2023
30	2024
30	2025
30	2026
30	2027
30	2028
30	2029
30	2030
30	2031
30	2032
30	2033
30	2034
30	2035
30	2036
30	2037
30	2038
30	2039
30	2040
30	2041
30	2042
30	2043
30	2044
30	2045
30	2046

Iteration_10	Construct_BG_HE_BL_BC	30	2047
Iteration_10	Construct_BG_HE_BL_BC	30	2048
Iteration_10	Construct_BG_HE_BL_BC	30	2049
Iteration_10	Construct_BG_HE_BL_BC	30	2050
Iteration_10	Construct_BG_HE_BL_BC	30	2051
Annual Book Depreciation			
Tax Depreciation Battery			
Tax Schedule			
Iteration_10	Construct_BG_HE_BL_BC	7	2022
Iteration_10	Construct_BG_HE_BL_BC	7	2023
Iteration_10	Construct_BG_HE_BL_BC	7	2024
Iteration_10	Construct_BG_HE_BL_BC	7	2025
Iteration_10	Construct_BG_HE_BL_BC	7	2026
Iteration_10	Construct_BG_HE_BL_BC	7	2027
Iteration_10	Construct_BG_HE_BL_BC	7	2028
Iteration_10	Construct_BG_HE_BL_BC	7	2029
Iteration_10	Construct_BG_HE_BL_BC	7	2030
Iteration_10	Construct_BG_HE_BL_BC	7	2031
Iteration_10	Construct_BG_HE_BL_BC	7	2032
Iteration_10	Construct_BG_HE_BL_BC	7	2033
Iteration_10	Construct_BG_HE_BL_BC	7	2034
Iteration_10	Construct_BG_HE_BL_BC	7	2035
Iteration_10	Construct_BG_HE_BL_BC	7	2036
Iteration_10	Construct_BG_HE_BL_BC	7	2037
Iteration_10	Construct_BG_HE_BL_BC	7	2038
Iteration_10	Construct_BG_HE_BL_BC	7	2039
Iteration_10	Construct_BG_HE_BL_BC	7	2040
Iteration_10	Construct_BG_HE_BL_BC	7	2041
Iteration_10	Construct_BG_HE_BL_BC	7	2042

Iteration_10	Construct_BG_HE_BL_BC	7	2043
Iteration_10	Construct_BG_HE_BL_BC	7	2044
Iteration_10	Construct_BG_HE_BL_BC	7	2045
Iteration_10	Construct_BG_HE_BL_BC	7	2046
Iteration_10	Construct_BG_HE_BL_BC	7	2047
Iteration_10	Construct_BG_HE_BL_BC	7	2048
Iteration_10	Construct_BG_HE_BL_BC	7	2049
Iteration_10	Construct_BG_HE_BL_BC	7	2050
Iteration_10	Construct_BG_HE_BL_BC	7	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Tax Depreciation
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Renewable
Iteration_10	Construct_BG_HE_BL_BC		Depreciable CapEx
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC		Depreciation Period
Iteration_10	Construct_BG_HE_BL_BC		Book Depreciation Calcs
Iteration_10	Construct_BG_HE_BL_BC		
Iteration_10	Construct_BG_HE_BL_BC	30	2022
Iteration_10	Construct_BG_HE_BL_BC	30	2023
Iteration_10	Construct_BG_HE_BL_BC	30	2024
Iteration_10	Construct_BG_HE_BL_BC	30	2025
Iteration_10	Construct_BG_HE_BL_BC	30	2026
Iteration_10	Construct_BG_HE_BL_BC	30	2027
Iteration_10	Construct_BG_HE_BL_BC	30	2028
Iteration_10	Construct_BG_HE_BL_BC	30	2029
Iteration_10	Construct_BG_HE_BL_BC	30	2030
Iteration_10	Construct_BG_HE_BL_BC	30	2031
Iteration_10	Construct_BG_HE_BL_BC	30	2032
Iteration_10	Construct_BG_HE_BL_BC	30	2033
Iteration_10	Construct_BG_HE_BL_BC	30	2034
Iteration_10	Construct_BG_HE_BL_BC	30	2035
Iteration_10	Construct_BG_HE_BL_BC	30	2036

Iteration_10	Construct_BG_HE_BL_BC	30	2037
Iteration_10	Construct_BG_HE_BL_BC	30	2038
Iteration_10	Construct_BG_HE_BL_BC	30	2039
Iteration_10	Construct_BG_HE_BL_BC	30	2040
Iteration_10	Construct_BG_HE_BL_BC	30	2041
Iteration_10	Construct_BG_HE_BL_BC	30	2042
Iteration_10	Construct_BG_HE_BL_BC	30	2043
Iteration_10	Construct_BG_HE_BL_BC	30	2044
Iteration_10	Construct_BG_HE_BL_BC	30	2045
Iteration_10	Construct_BG_HE_BL_BC	30	2046
Iteration_10	Construct_BG_HE_BL_BC	30	2047
Iteration_10	Construct_BG_HE_BL_BC	30	2048
Iteration_10	Construct_BG_HE_BL_BC	30	2049
Iteration_10	Construct_BG_HE_BL_BC	30	2050
Iteration_10	Construct_BG_HE_BL_BC	30	2051

Annual Book Depreciation

Tax Depreciation Renewable
Tax Schedule

Iteration_10	Construct_BG_HE_BL_BC	5	2022
Iteration_10	Construct_BG_HE_BL_BC	5	2023
Iteration_10	Construct_BG_HE_BL_BC	5	2024
Iteration_10	Construct_BG_HE_BL_BC	5	2025
Iteration_10	Construct_BG_HE_BL_BC	5	2026
Iteration_10	Construct_BG_HE_BL_BC	5	2027
Iteration_10	Construct_BG_HE_BL_BC	5	2028
Iteration_10	Construct_BG_HE_BL_BC	5	2029
Iteration_10	Construct_BG_HE_BL_BC	5	2030
Iteration_10	Construct_BG_HE_BL_BC	5	2031
Iteration_10	Construct_BG_HE_BL_BC	5	2032

Iteration_10	Construct_BG_HE_BL_BC	5	2033
Iteration_10	Construct_BG_HE_BL_BC	5	2034
Iteration_10	Construct_BG_HE_BL_BC	5	2035
Iteration_10	Construct_BG_HE_BL_BC	5	2036
Iteration_10	Construct_BG_HE_BL_BC	5	2037
Iteration_10	Construct_BG_HE_BL_BC	5	2038
Iteration_10	Construct_BG_HE_BL_BC	5	2039
Iteration_10	Construct_BG_HE_BL_BC	5	2040
Iteration_10	Construct_BG_HE_BL_BC	5	2041
Iteration_10	Construct_BG_HE_BL_BC	5	2042
Iteration_10	Construct_BG_HE_BL_BC	5	2043
Iteration_10	Construct_BG_HE_BL_BC	5	2044
Iteration_10	Construct_BG_HE_BL_BC	5	2045
Iteration_10	Construct_BG_HE_BL_BC	5	2046
Iteration_10	Construct_BG_HE_BL_BC	5	2047
Iteration_10	Construct_BG_HE_BL_BC	5	2048
Iteration_10	Construct_BG_HE_BL_BC	5	2049
Iteration_10	Construct_BG_HE_BL_BC	5	2050
Iteration_10	Construct_BG_HE_BL_BC	5	2051
Iteration_10	Construct_BG_HE_BL_BC		Annual Tax Depreciation

Baseline_1

01_Baseline_Central Gas

	2022	2023	2024
Year	2022	2023	2024
	2022	2023	2024
Pull from Depreciation Section Below *			
Pull from O&M Summary Below *			
Pull from below return on rate base *			
Income Taxes - calculate the same as PERF *			
Sum of 6, 7, 8, 9 *			
Net Present Value of All Costs *			
Sum of below *			
Portfolio_Cost_Total *			
Sum of 25, 26, 29, 30 *			
Total owned resources costs (no market purchases) *			
Purchases + Sales *			
Market purchases cost *			
Revenues from market sales *			
Cost of contracts *			
Contract Sales *			
Cost of capacity purchase by scenario & portfolio *	-	-	-
Fixed O&M associated with existing fleet *			
Firm Gas Delivery Adder *			

	-	-	-
	-	-	-
	-	-	-
	-	-	-
US Rev	-	-	-
US Rev	-	-	-
US Rev	-	-	-
Rev	-	-	-
Rev	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
US Rev	-	-	-
	-	-	-
	-	-	-
/AS Rev	-	-	-
i Rev	-	-	-
i Rev	-	-	-
	-	-	-
Avoided distribution investment cost (modeled	-	-	-
	-	-	-
	-	-	-
	-	-	-
Rev	-	-	-
	-	-	-
W	-	-	-
ded D Rev	-	-	-
ded D Rev	-	-	-

ded D Rev	-	-	-
ded D Rev	-	-	-
ded D Rev	-	-	-
	-	-	-
ev	-	-	-
	-	-	-
Rev	-	-	-
	-	-	-
led D Rev	-	-	-
	-	-	-
	-	-	-
oided D Rev	-	-	-
ed D Rev	-	-	-
ed D Rev	-	-	-
ev	-	-	-



	2022	2023	2024
Year 1 from below, changes over time *			
Sum of new build capex and new ongoing *			
Sum of row 153 - 179			
w/ interconnection cost where applicable			
w/ interconnection cost where applicable			
w/ interconnection cost where applicable			
w/ interconnection cost where applicable	-	-	-
x w/ interconnection cost where applicable	-	-	-
w/ interconnection cost where applicable	-	-	-
w/ interconnection cost where applicable	-	-	-
l) CapE w/ interconnection cost where applicable	-	-	-
l) CapE w/ interconnection cost where applicable	-	-	-
l) CapE w/ interconnection cost where applicable	-	-	-

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2022 2023 2024

For Year 1, this will be 0, then add in additional deferred taxes

*

Sum starting + new

*

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From Book Depreciation table below

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From Tax Depreciation table below

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Tax minus book depreciation

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Difference in income taxes (Net * Income

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Capital Accumulated Deferred-New Capital

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2022 2023 2024

Pull from Row 25

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Pull from Fin Inputs, then add

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Pull from Fin Inputs, then add

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CapEx Transmission Upgrade CapEx
Annual CapEx from Above

2022

2023

2024

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Book life of new capex, from financial input *

If year is >= CapEx year, divide CapEx by book life

Annual CapEx

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Sum of below	*			
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Portfolio_Cost_Total	*			
	*			
Sum of 25, 26, 29, 30	*			
Total owned resources costs (no market p	*			
Purchases + Sales	*			
Market purchases cost	*			
Revenues from market sales	*			
Cost of contracts	*			
Contract Sales	*			
Cost of capacity purchase by scenario & p	*			
	*			
Fixed O&M associated with existing fleet	*			
Firm Gas Delivery Adder	*			
Decommissioning costs	*			
T&D Plug	*			
Generic FOM Associated with New Builds				

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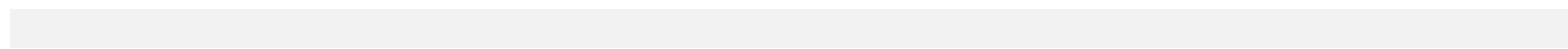
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	2022	2023	2024
Year 1 from below, changes over time *			
Sum of new build capex and new ongoing *			
Sum of row 153 - 179			
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CapEx	CapEx w/ AFUDC	-	-	-
CapEx	CapEx w/ AFUDC	-	-	-
CapEx	CapEx w/ AFUDC	-	-	-
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OpEx	CapEx w/ AFUDC	-	-	-
	CapEx w/ AFUDC	-	-	-
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	CapEx w/ AFUDC	-	-	-
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n	Pull from Inputs AND add Non-Gen/T&D P *			
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New Asset Depreciation, pulled from below *

Pulled from deferred tax section below *

From Below *

Starting Rate Base + CapEx, less depreciati *

Prop. Tax rate * Rate Base *

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For New Builds

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	2022	2023	2024

For Year 1, this will be 0, then add in additional c	*	-	566,031	3,375,835
Sum starting + new	*			
	*			
From Book Depreciation table below	*			
From Tax Depreciation table below	*			
Tax minus book depreciation	*			
Difference in income taxes (Net * Income	*			
Capital Accumulated Deferred-New Capital	*			
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		2022	2023	2024
Pull from Row 25	*			
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Pull from Fin Inputs, then add	*			
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Small Modular Reactor	*	2022	2023	2024
Annual CapEx from Above	*	-	-	-
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2022 2023 2024

Annual Ongoing CapEx - Other Gen and Non Gen
Tax life of new Capex, from financial input: *



Annual CapEx

2022 2023 2024

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Renewable

Tax life of new Capex, from financial input:*

Annual CapEx

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Baseline_1

01_Baseline_Central Gas

Year

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2024

Pull from Depreciation Section Below *
Pull from O&M Summary Below *
Pull from below return on rate base *
Income Taxes - calculate the same as PERF *
Sum of 6, 7, 8, 9 *

Net Present Value of All Costs *

2022

2023

2024

Sum of below *

Portfolio_Cost_Total *

Sum of 25, 26, 29, 30 *
Total owned resources costs (no market pi *
Purchases + Sales *
Market purchases cost *
Revenues from market sales *
Cost of contracts *
Contract Sales *
Cost of capacity purchase by scenario & pc *

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Avoided distribution investment cost (modeled	-	-	-
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	CapEx w/ AFUDC	-	-	-
	CapEx w/ AFUDC	-	-	-
	CapEx w/ AFUDC	-	-	-
	CapEx w/ AFUDC	-	-	-
CapEx	CapEx w/ AFUDC	-	-	-
	CapEx w/ AFUDC	-	-	-
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	CapEx w/ AFUDC	-	-	-
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CapEx	CapEx w/ AFUDC	-	-	-
CapEx	CapEx w/ AFUDC	-	-	-
	CapEx w/ AFUDC	-	-	-
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New Asset Depreciation, pulled from below

Pulled from deferred tax section below

From Below

Starting Rate Base + CapEx, less depreciation and change in deferred taxes - max of 0 so it can never be negative

Prop. Tax rate * Rate Base

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age (4:1)	-	-	-
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	2022	2023	2024
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For Year 1, this will be 0, then add in additional deferred taxes	*		
Sum starting + new	*		
	*		
From Book Depreciation table below	*		
From Tax Depreciation table below	*		
Tax minus book depreciation	*		
Difference in income taxes (Net * Income	*		
Capital Accumulated Deferred-New Capital	*		
	*		

	2022	2023	2024
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Pull from Row 25	*		
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Pull from Fin Inputs, then add	*		
Pull from Fin Inputs, then add	*		

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2022 2023 2024

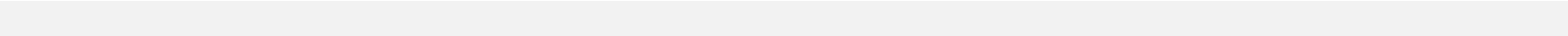
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 Tax life of new Capex, from financial input: *

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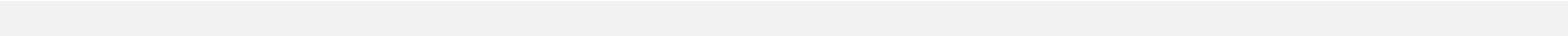
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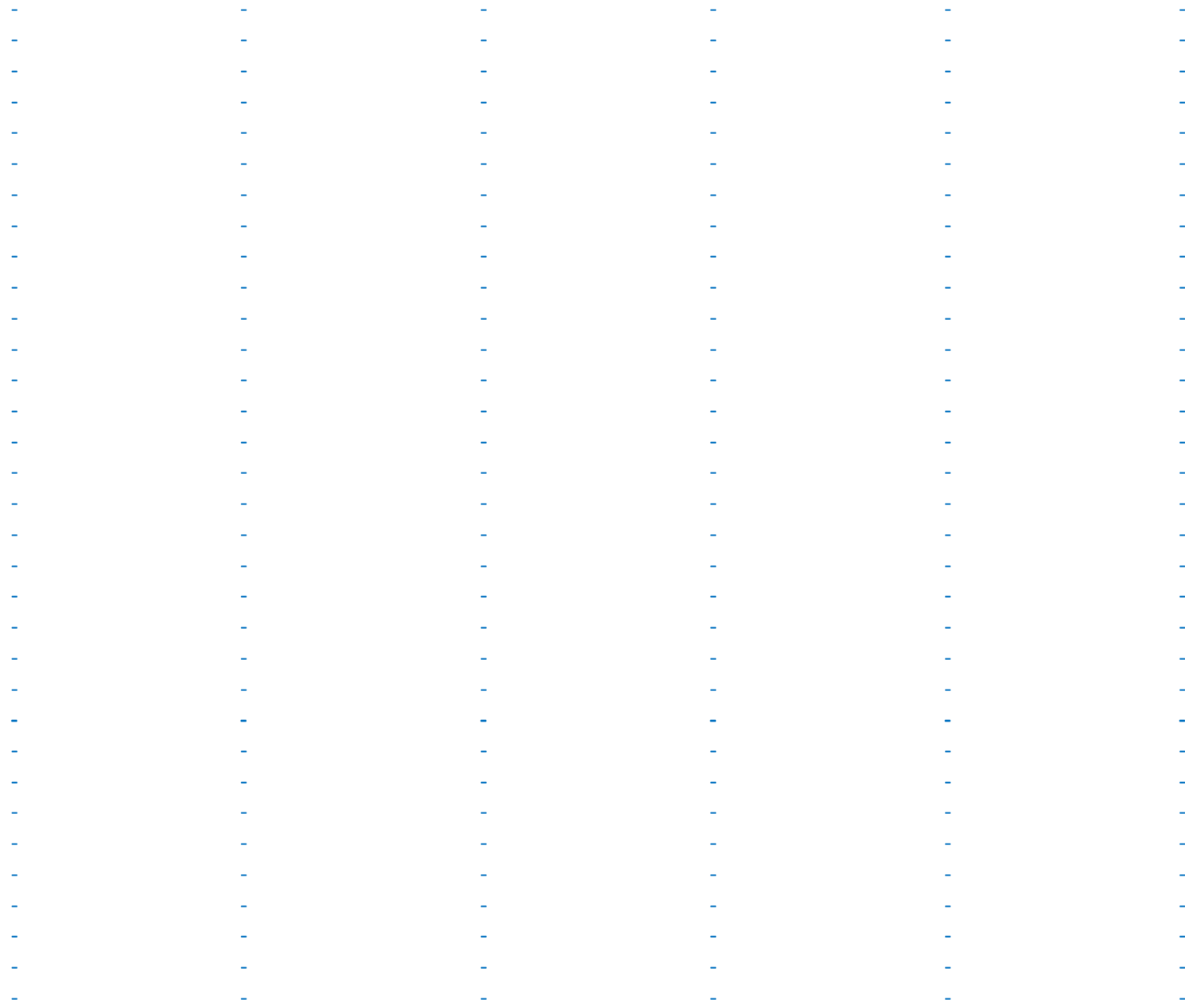
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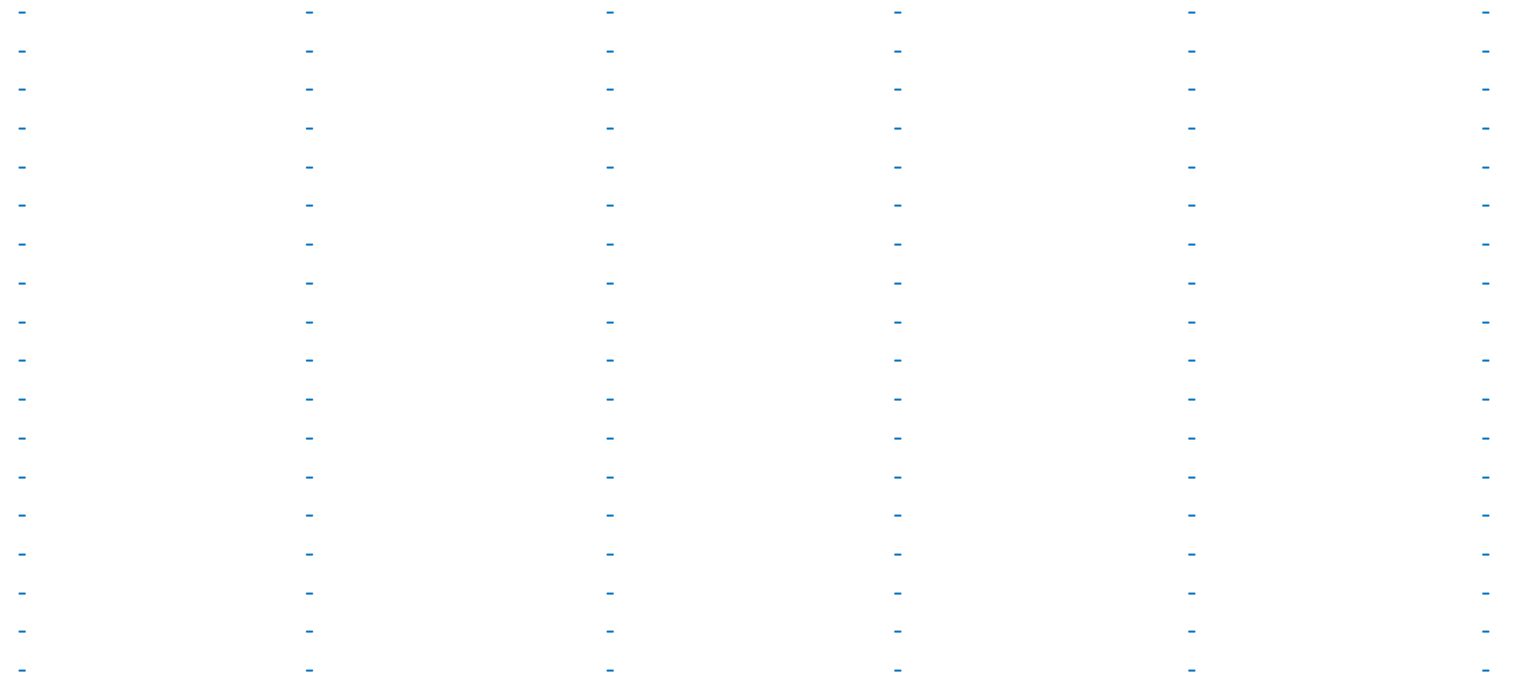
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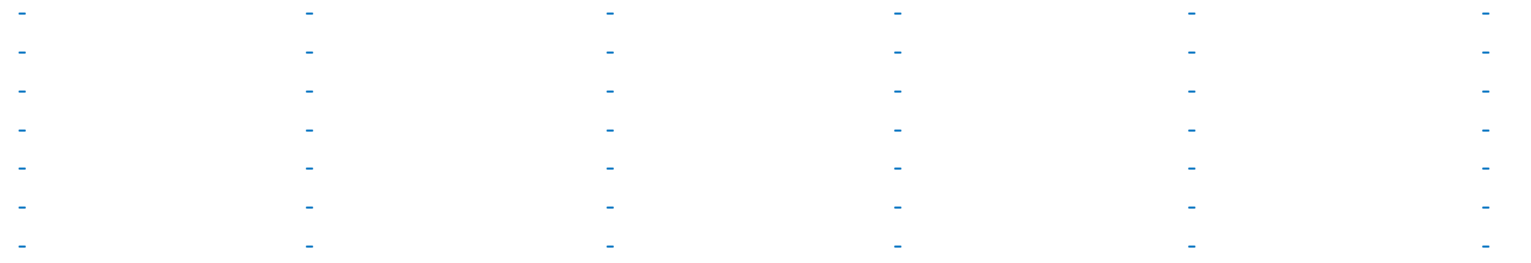
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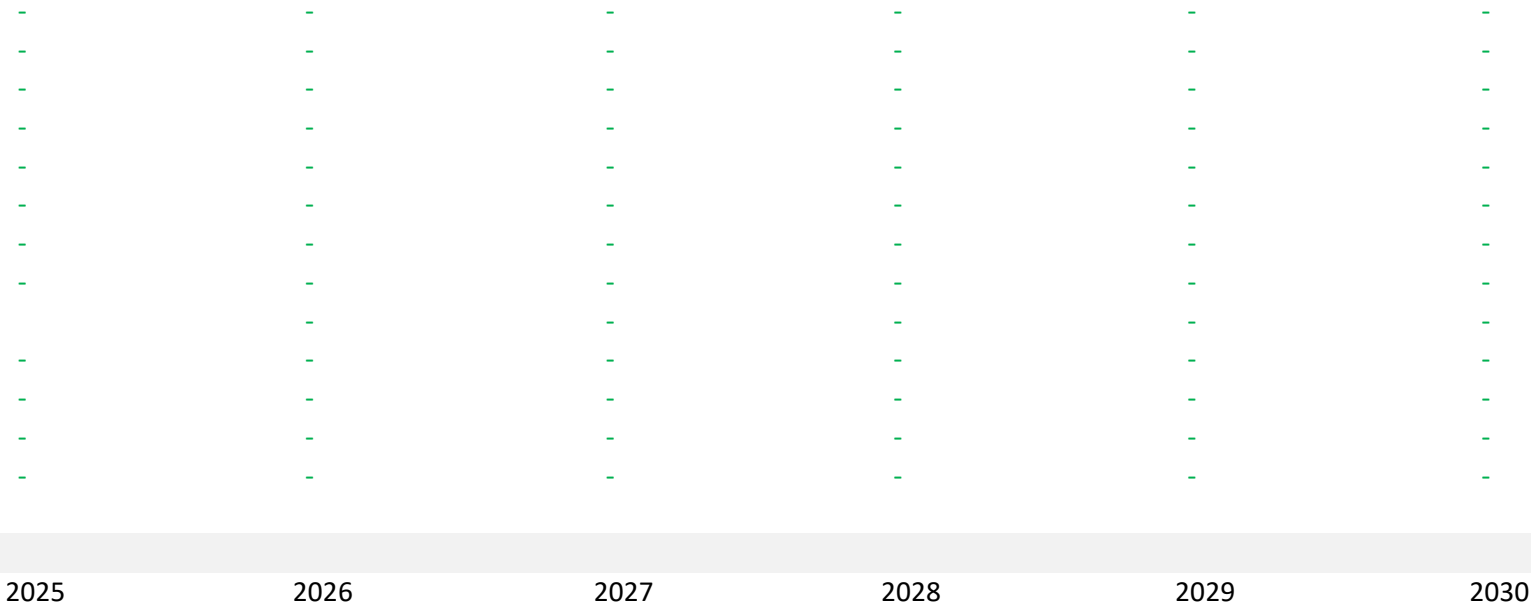
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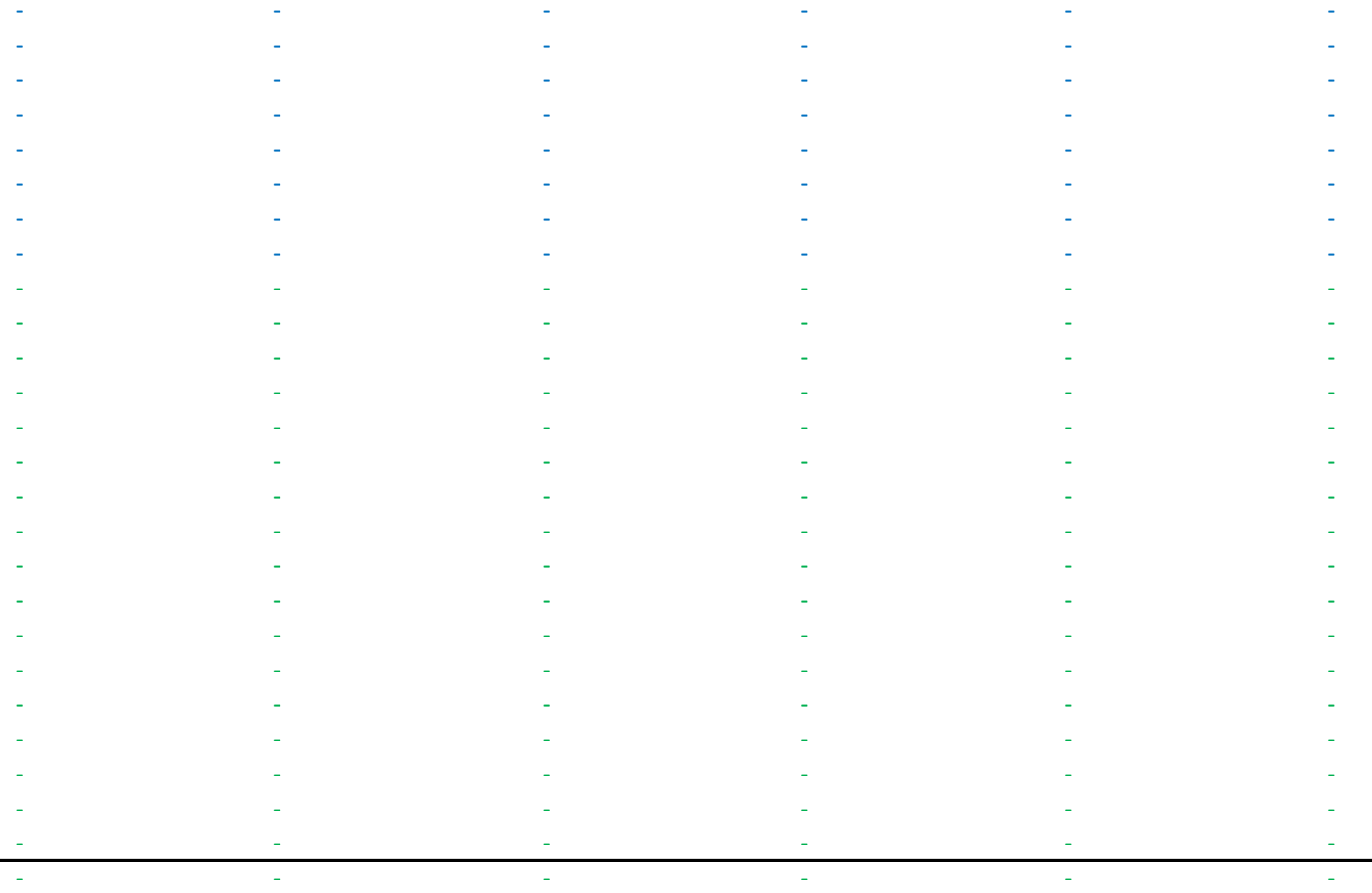
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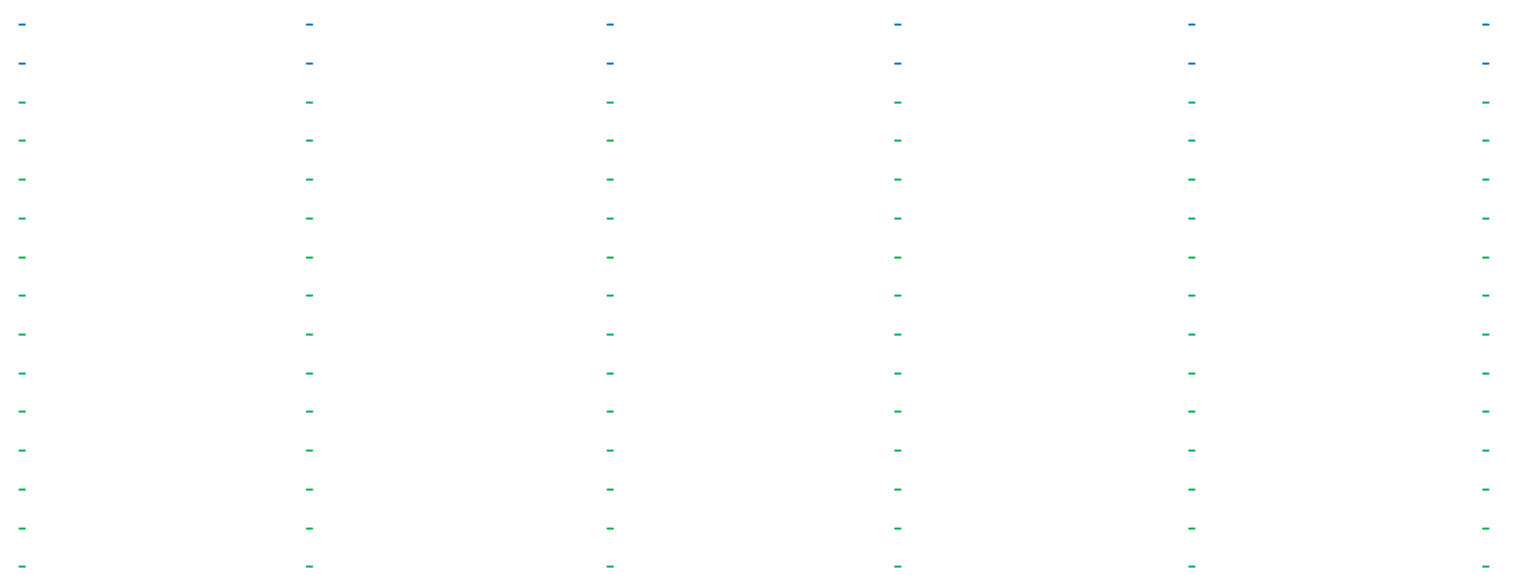
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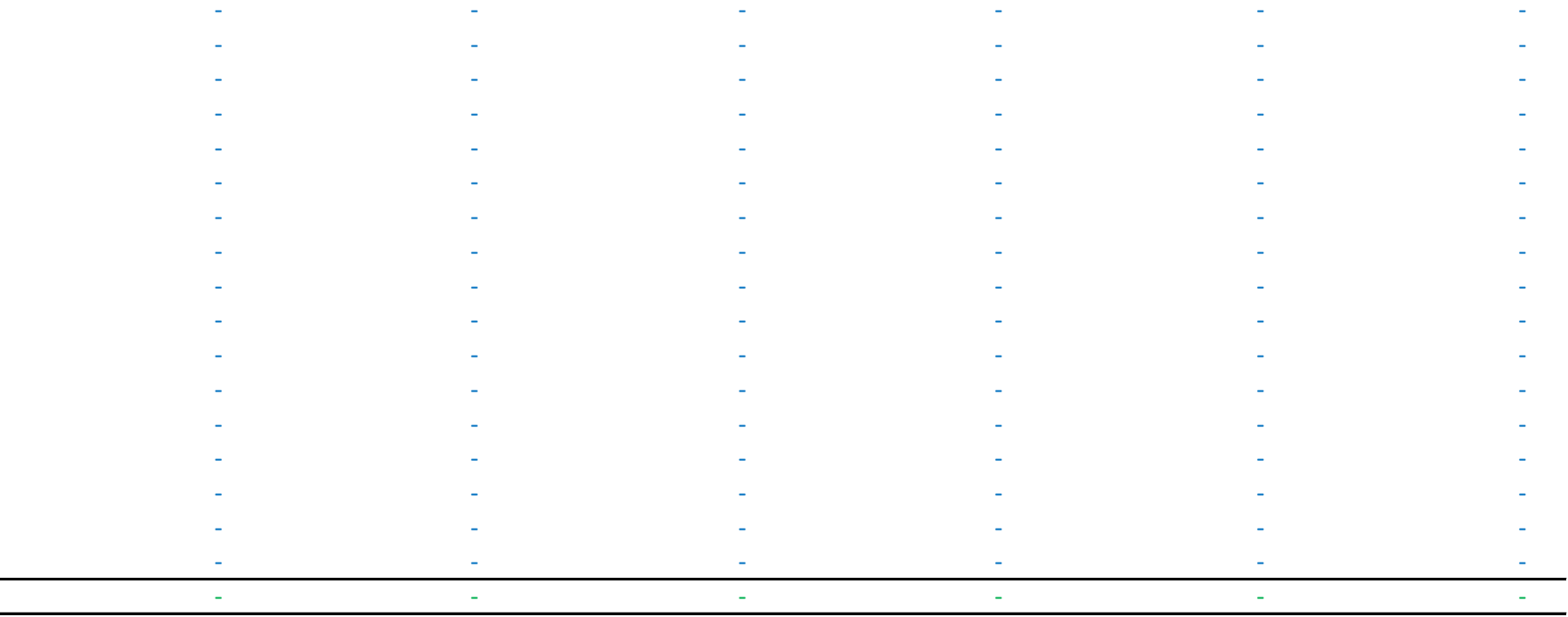
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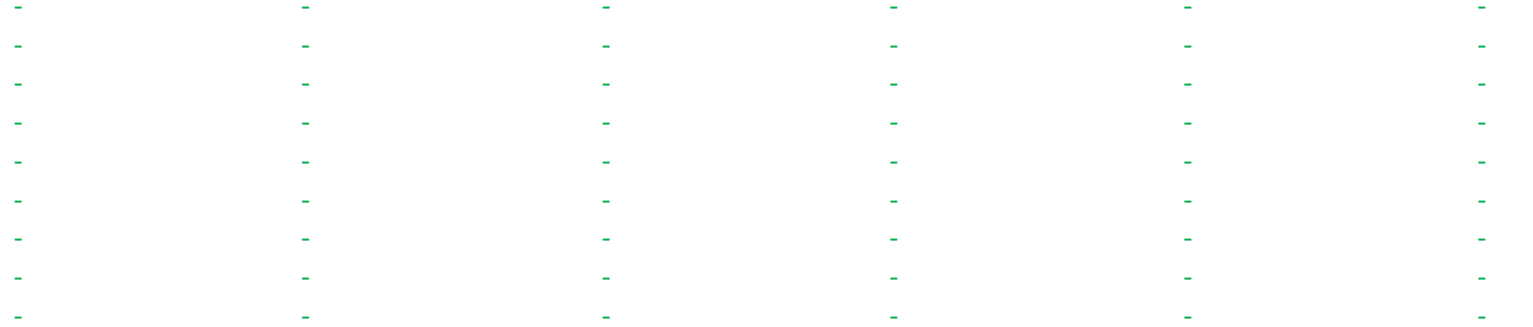
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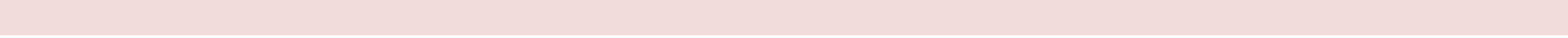
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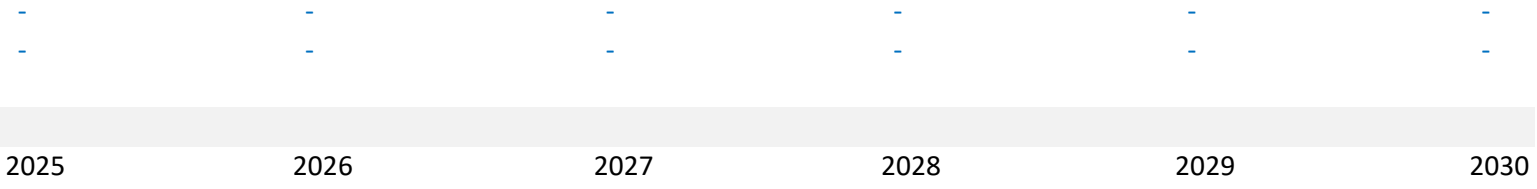
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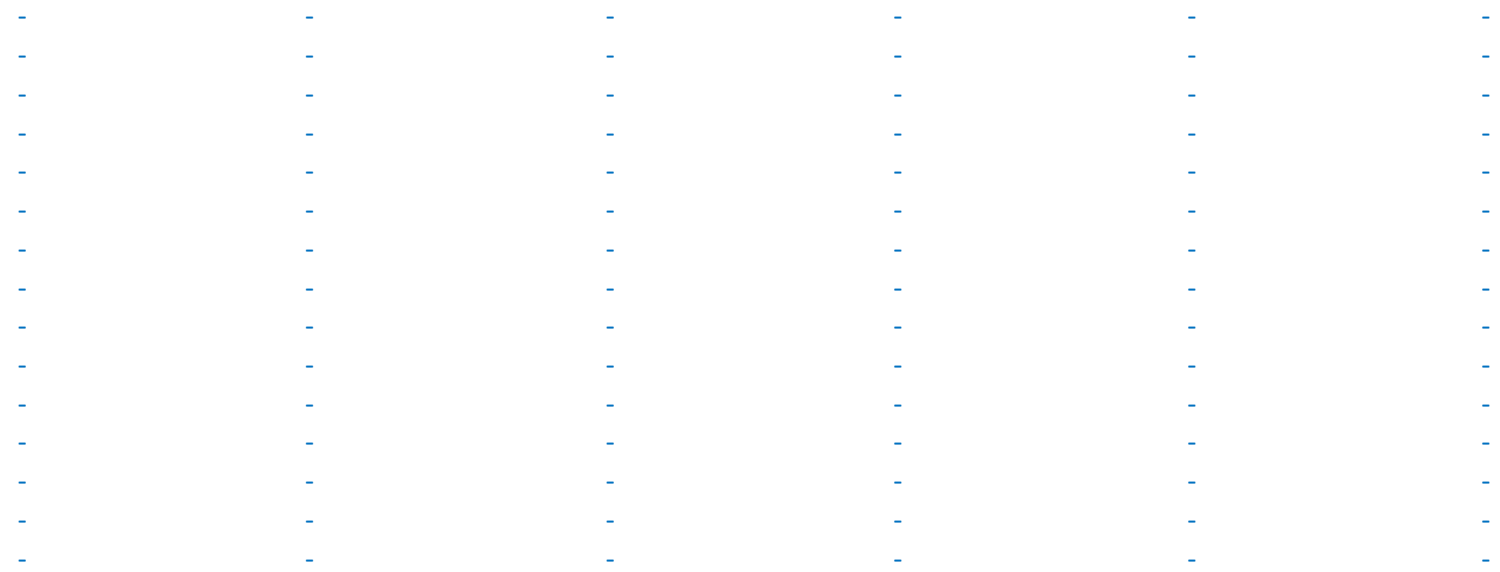
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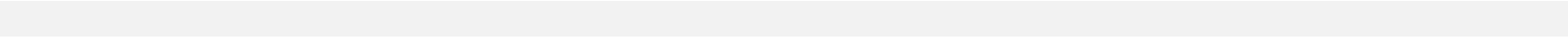
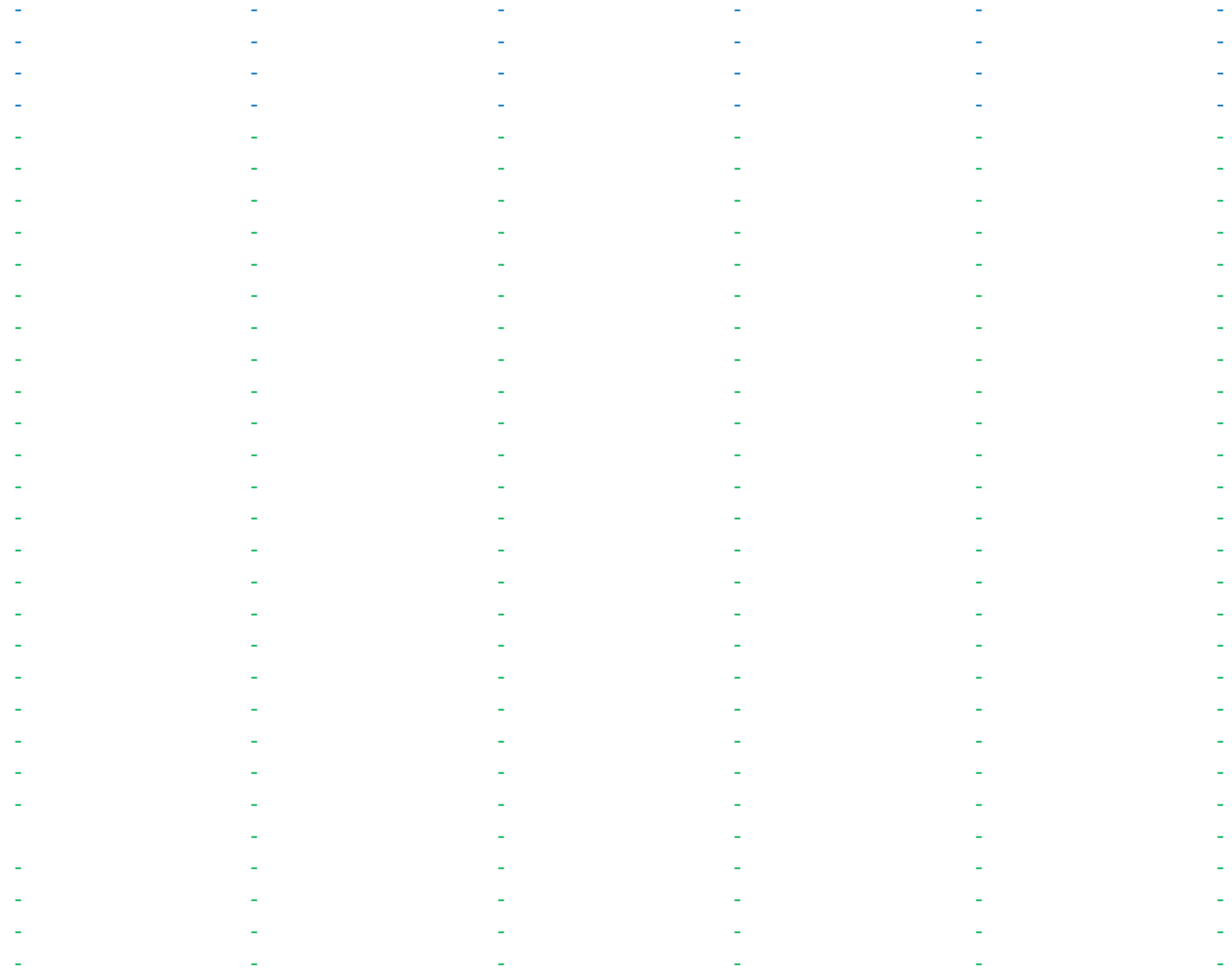
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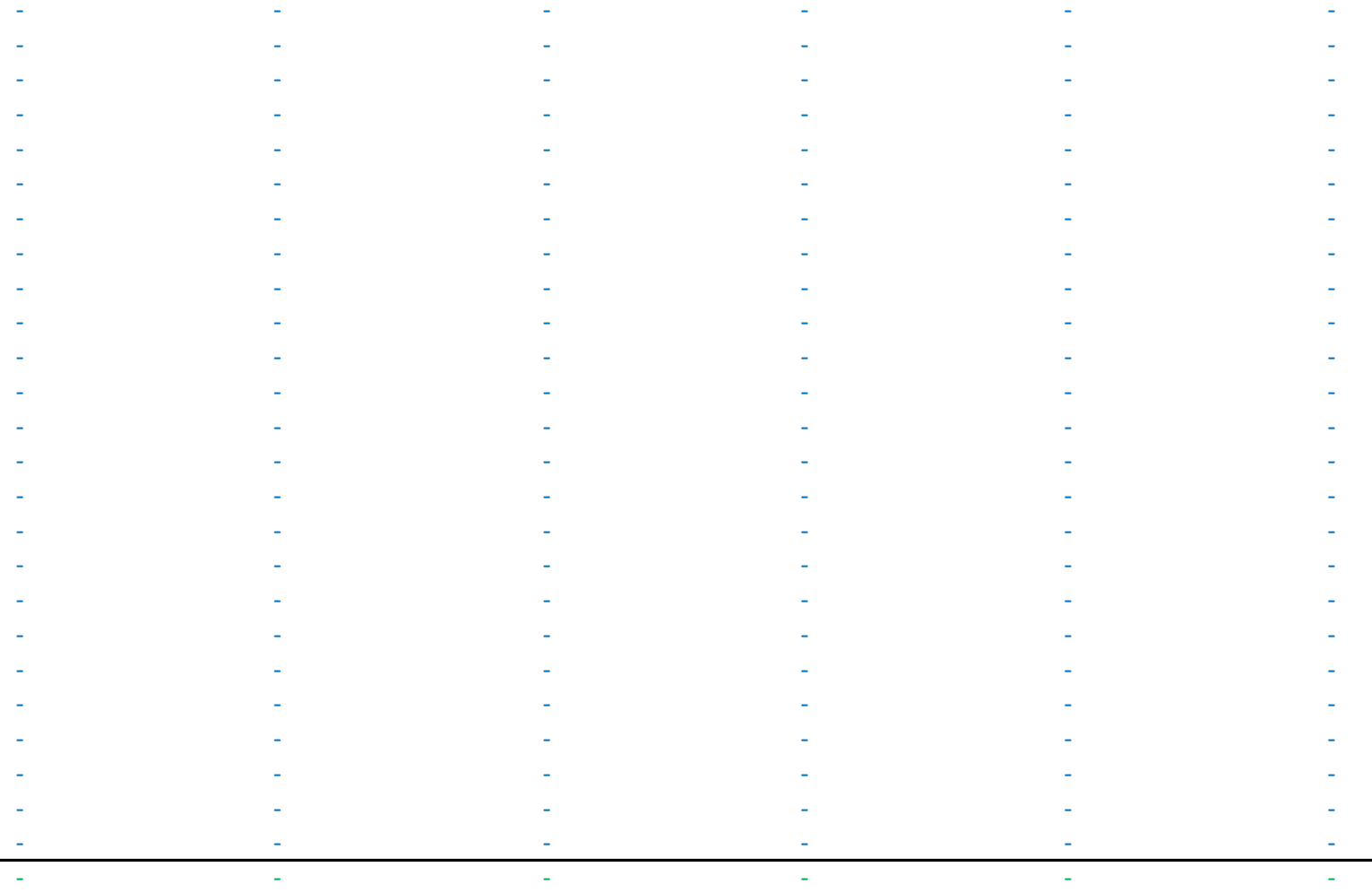
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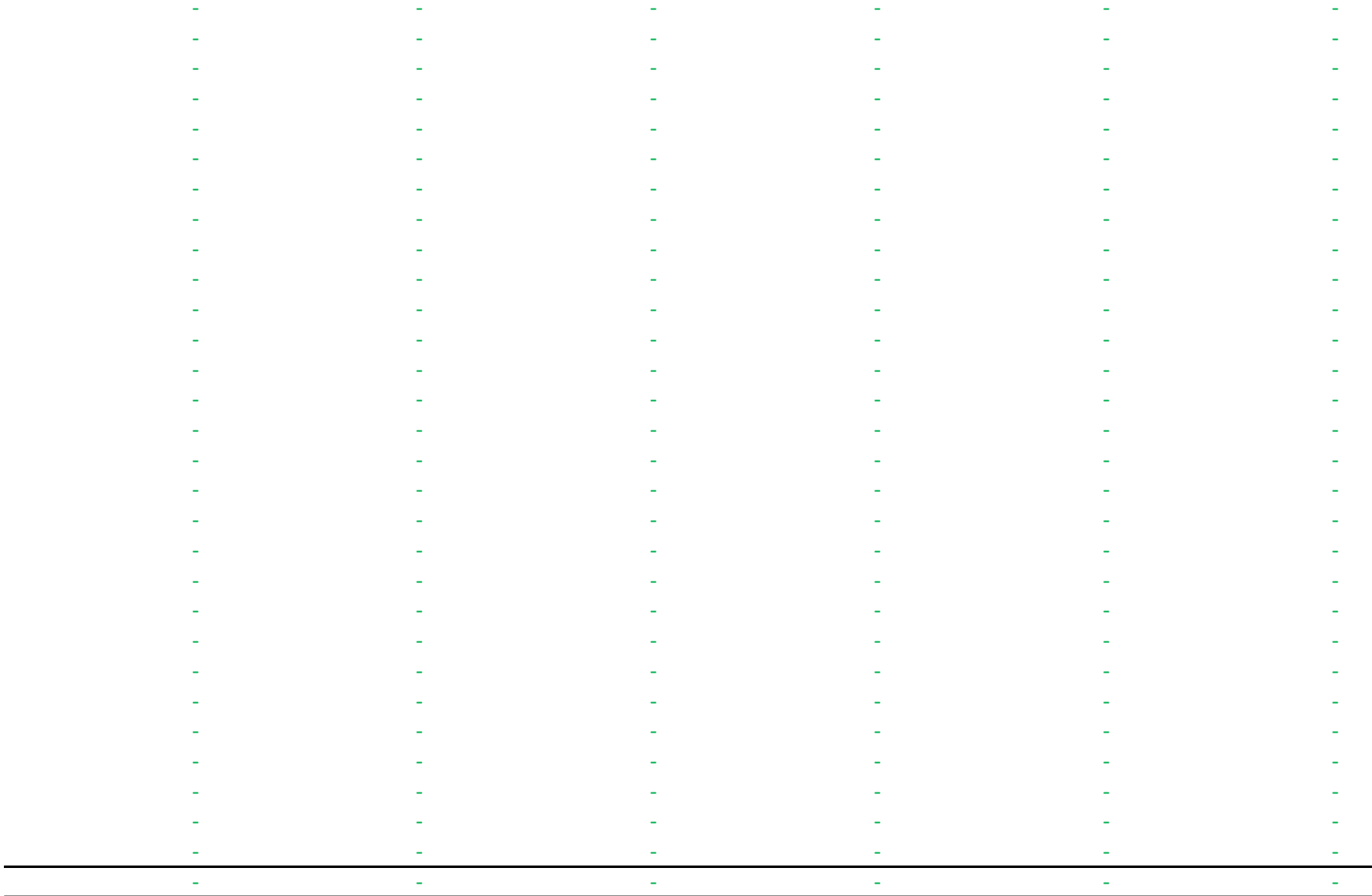
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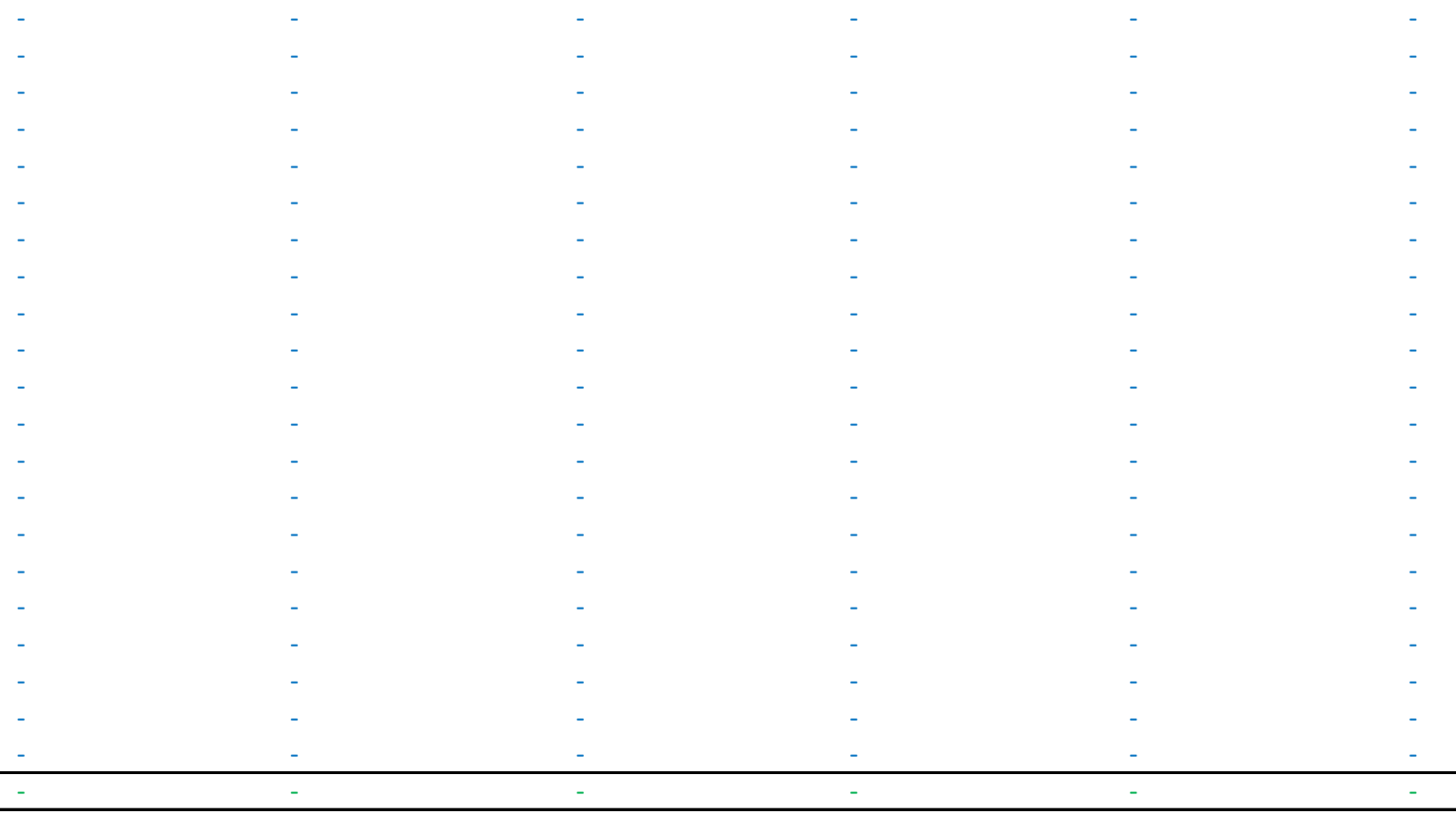
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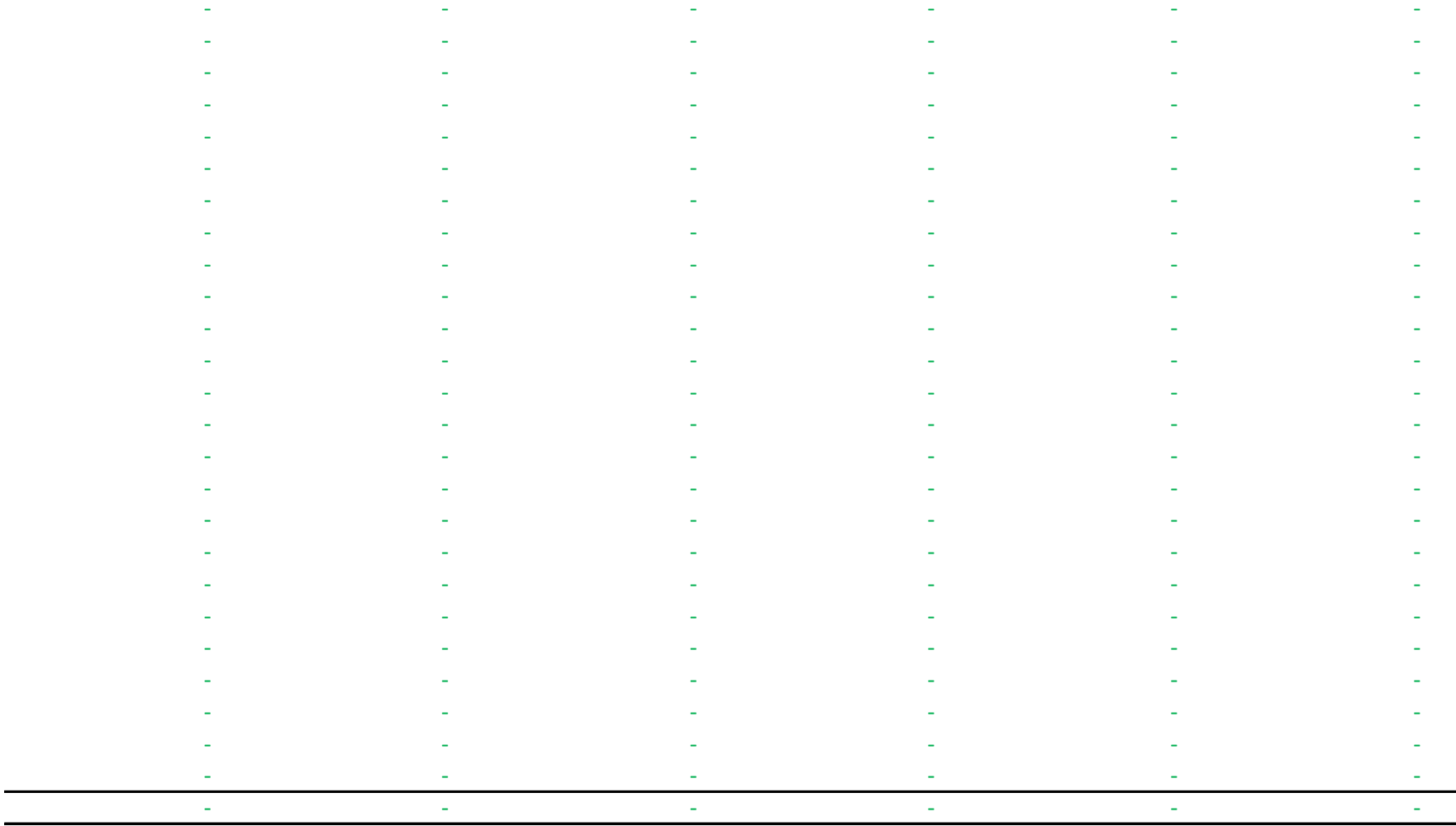
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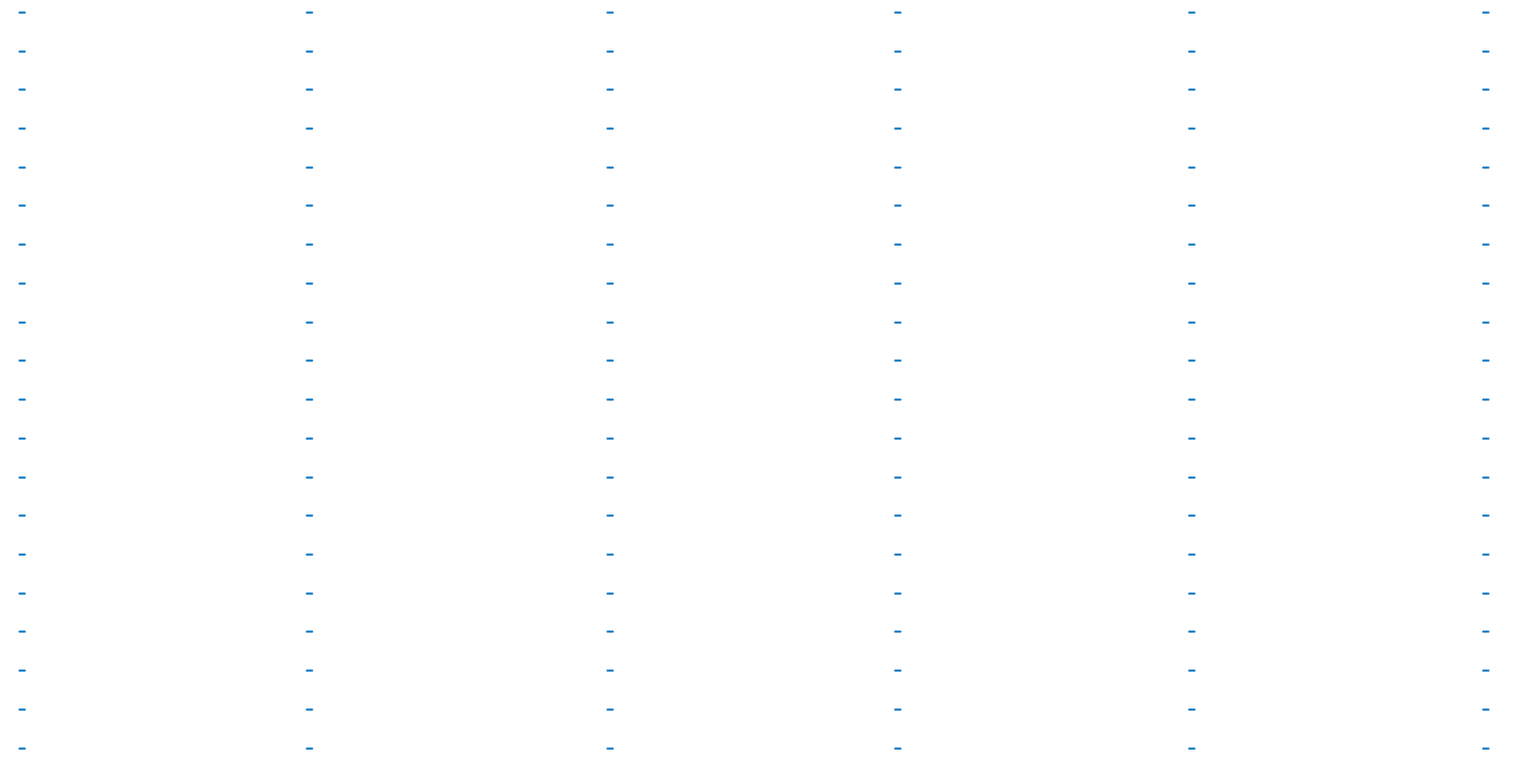
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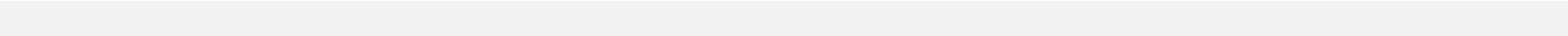
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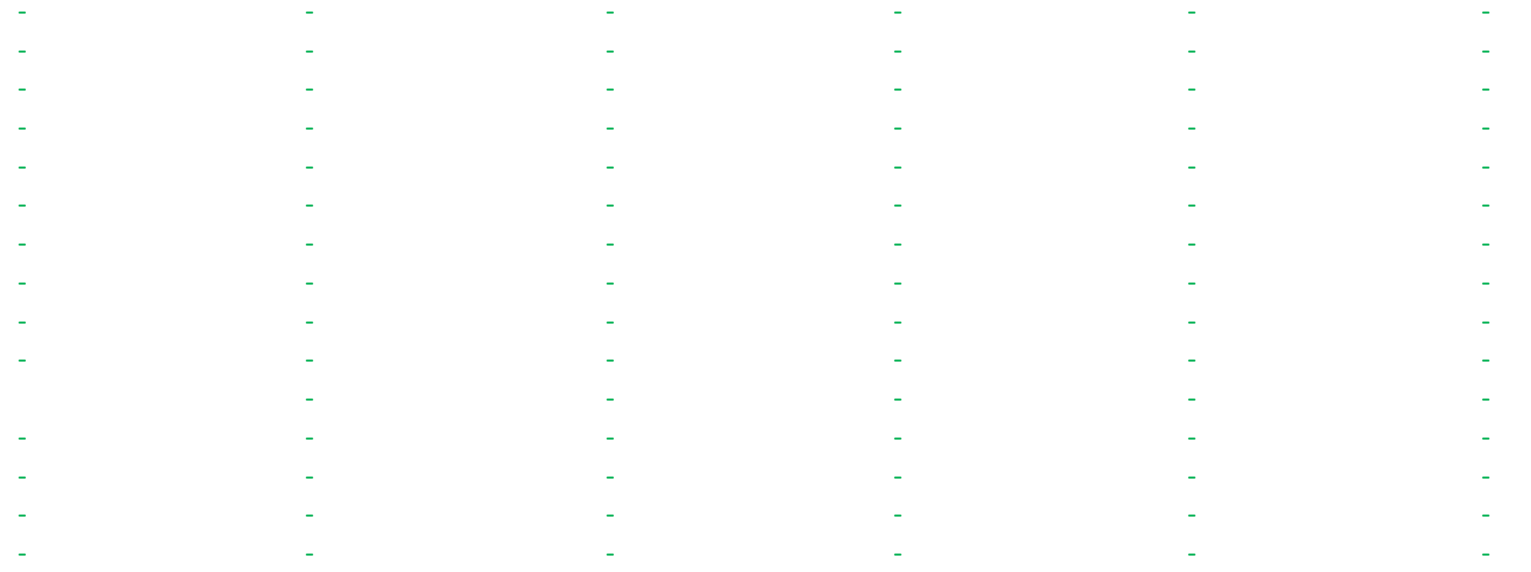
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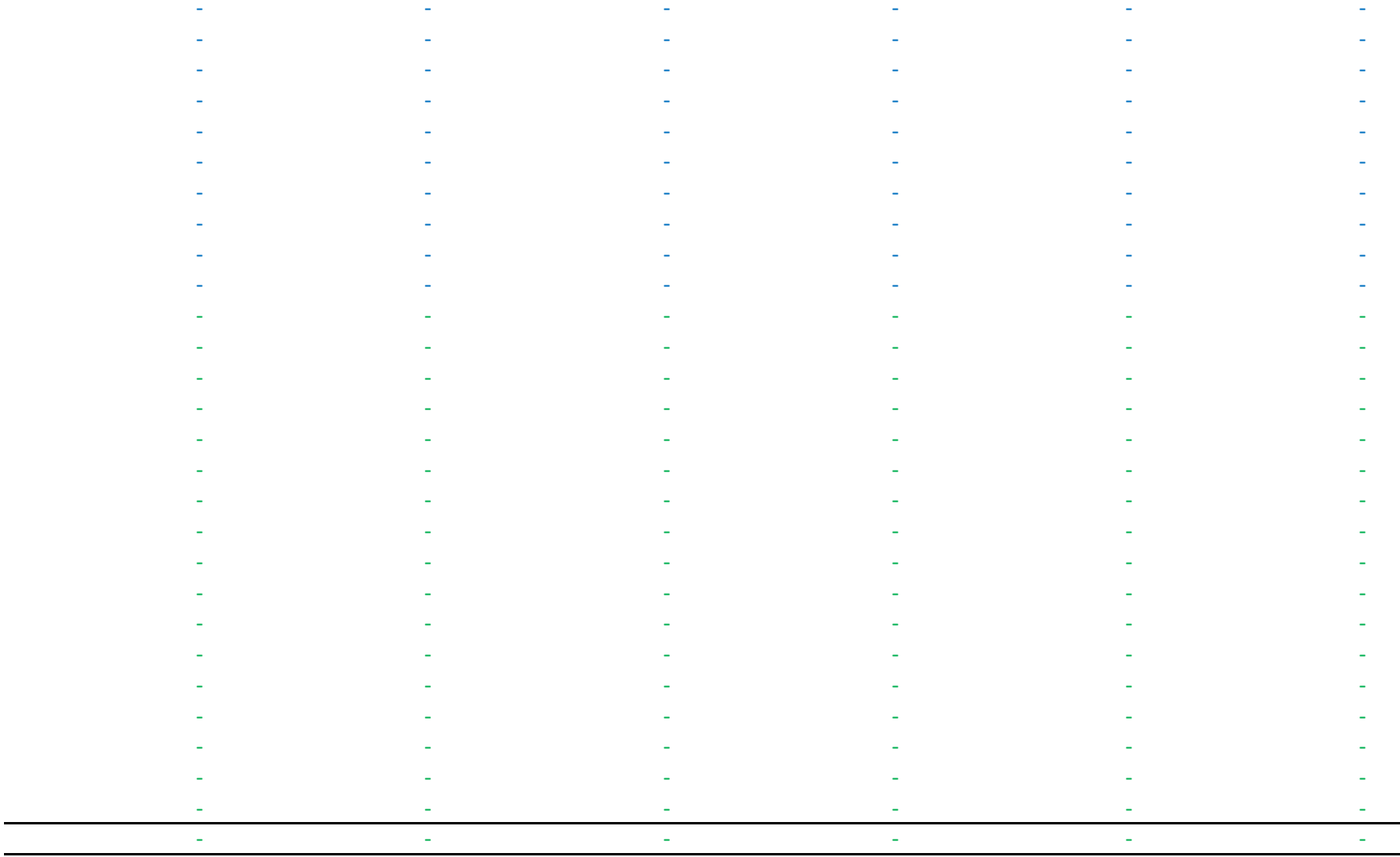
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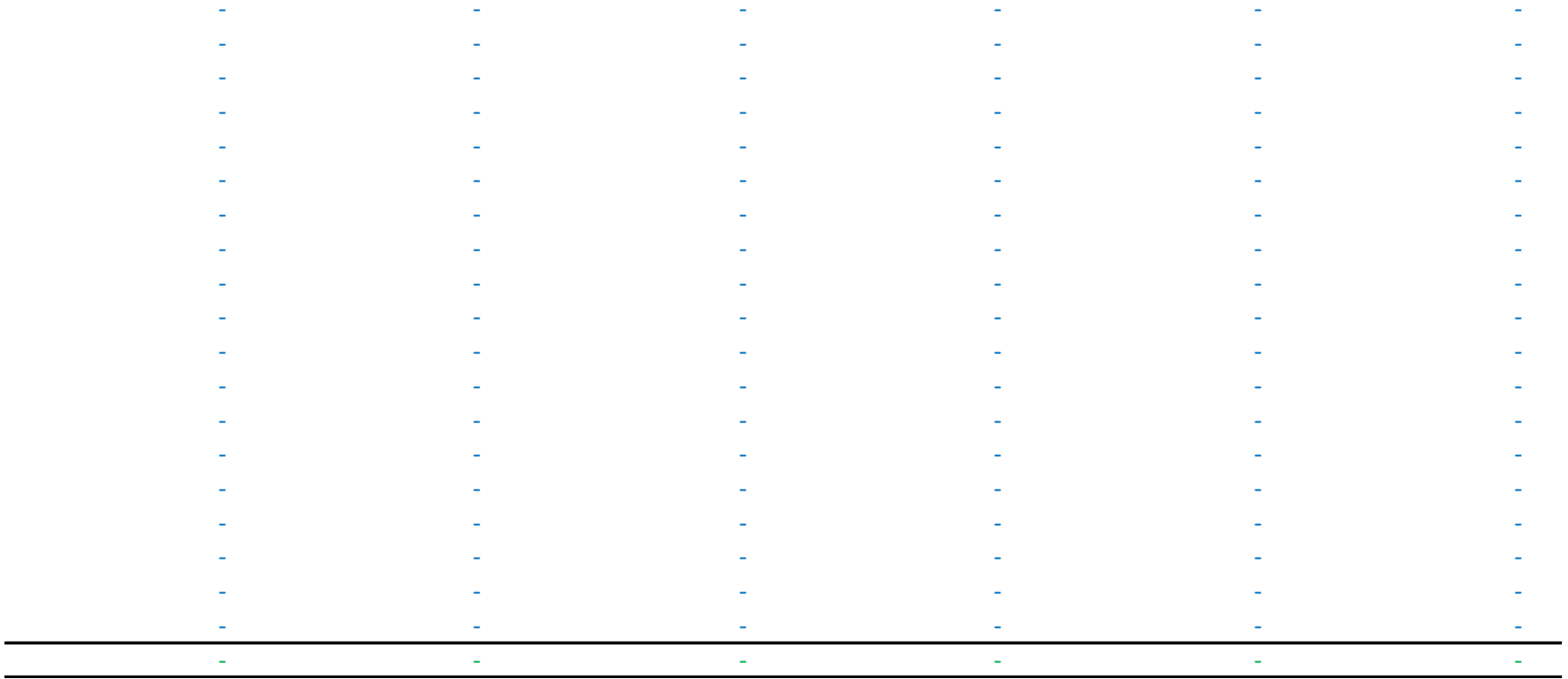
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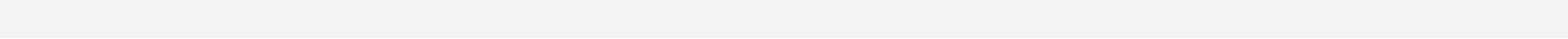
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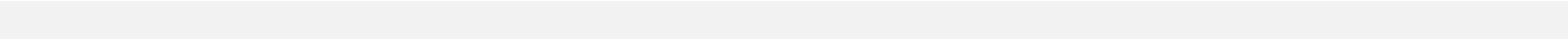
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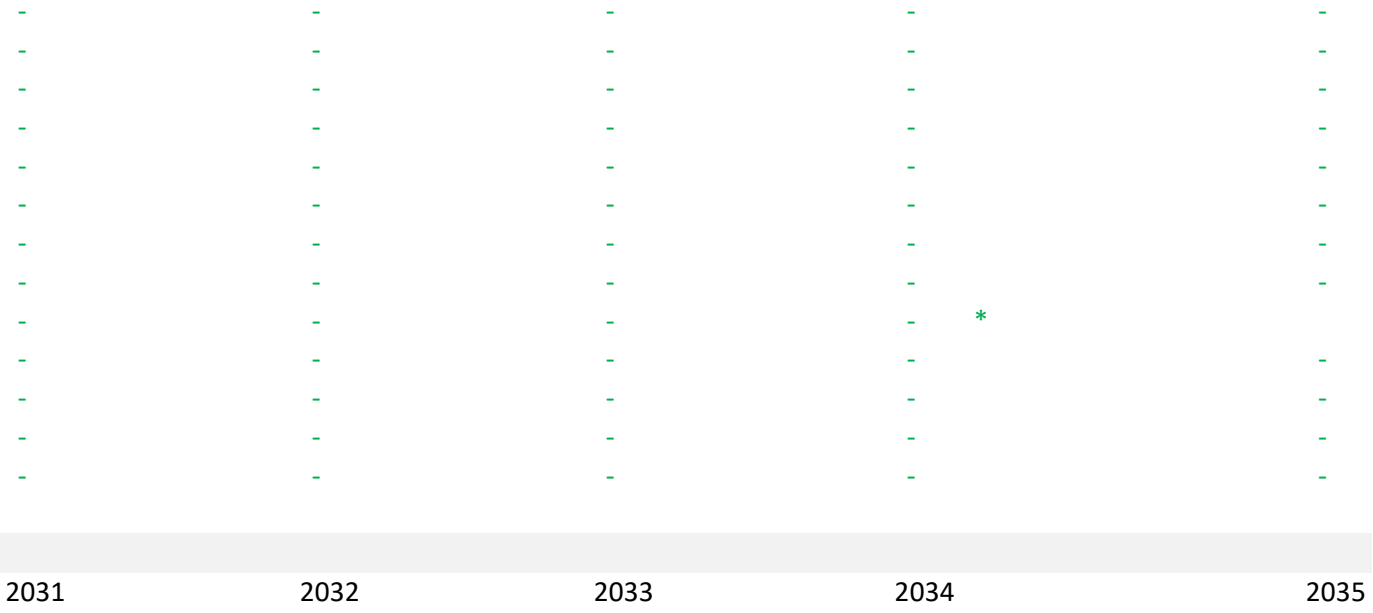
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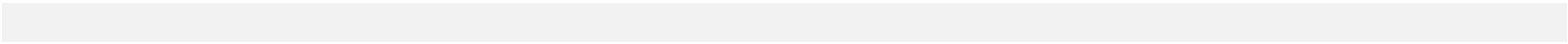
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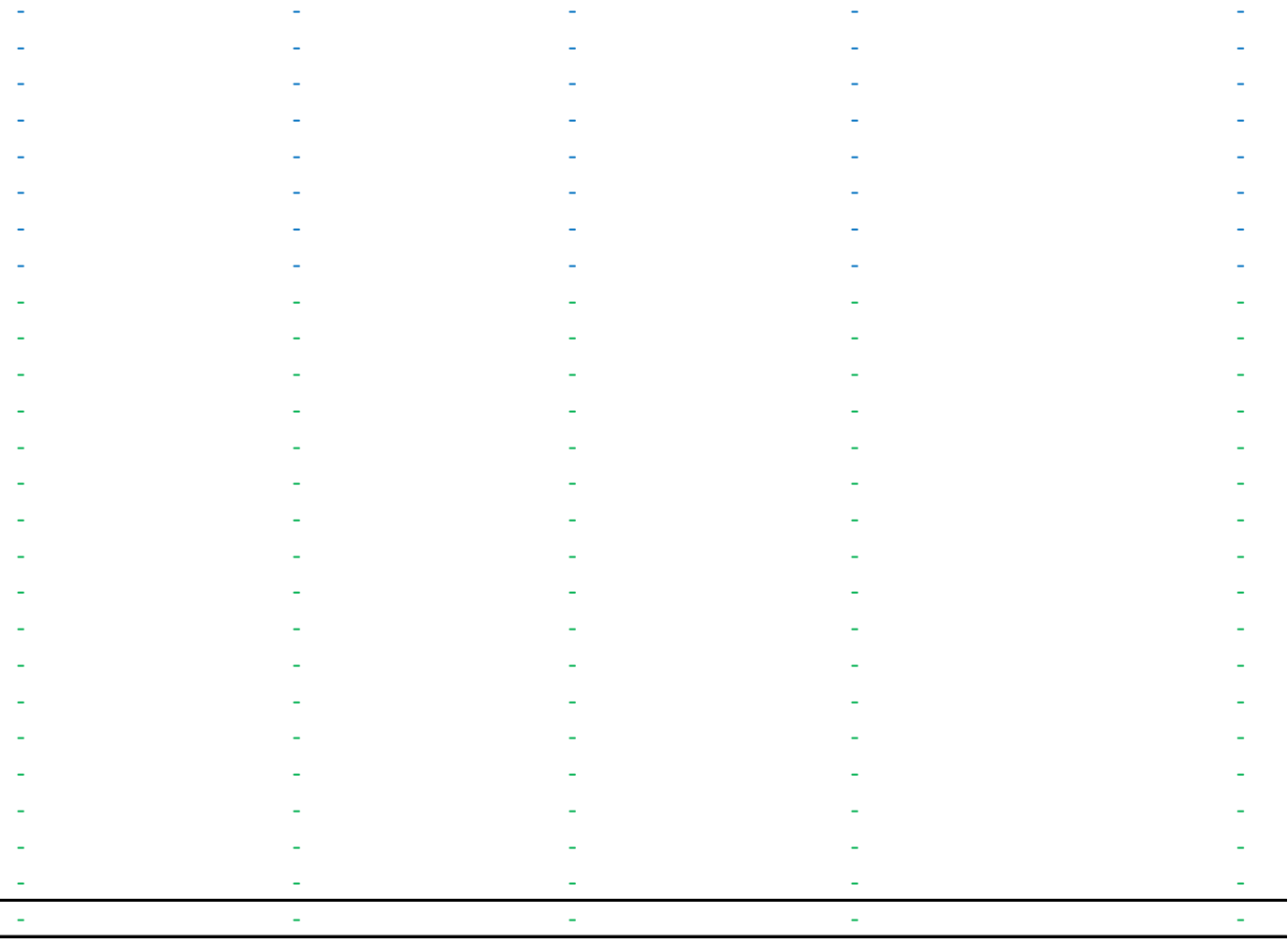
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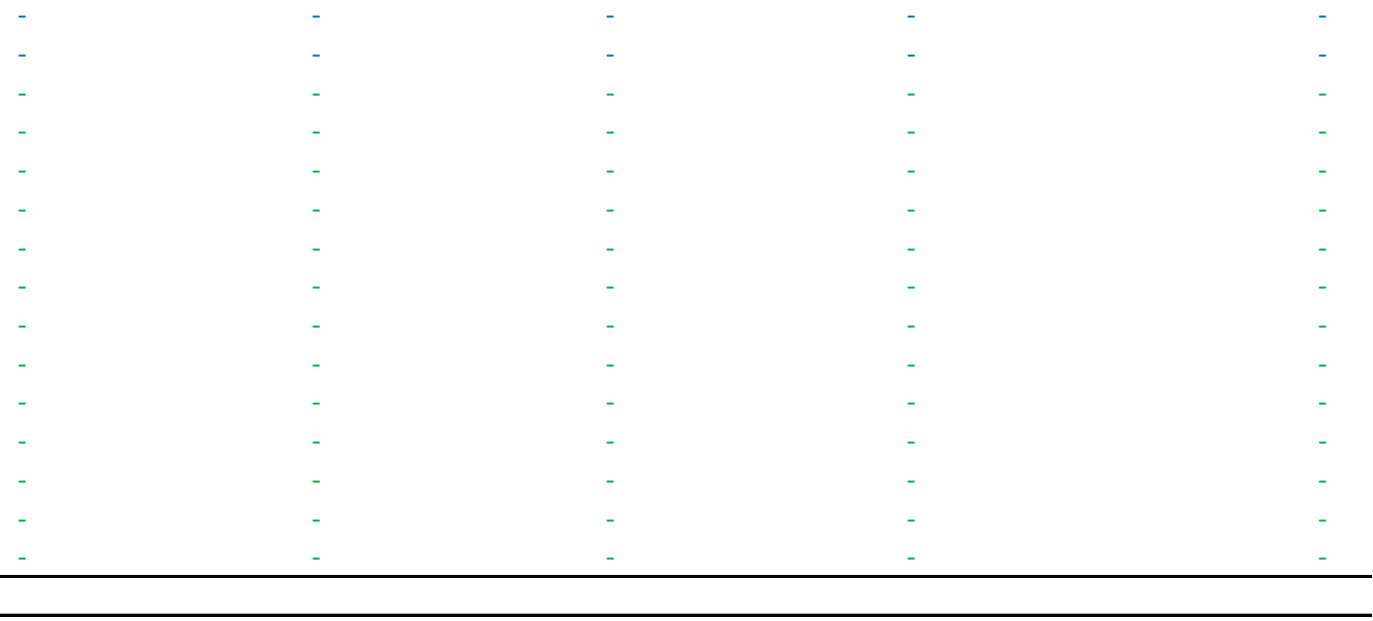
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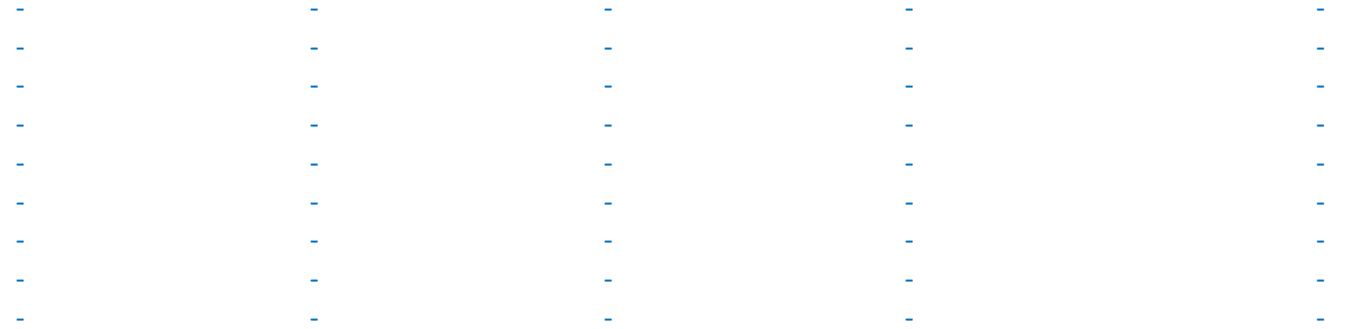
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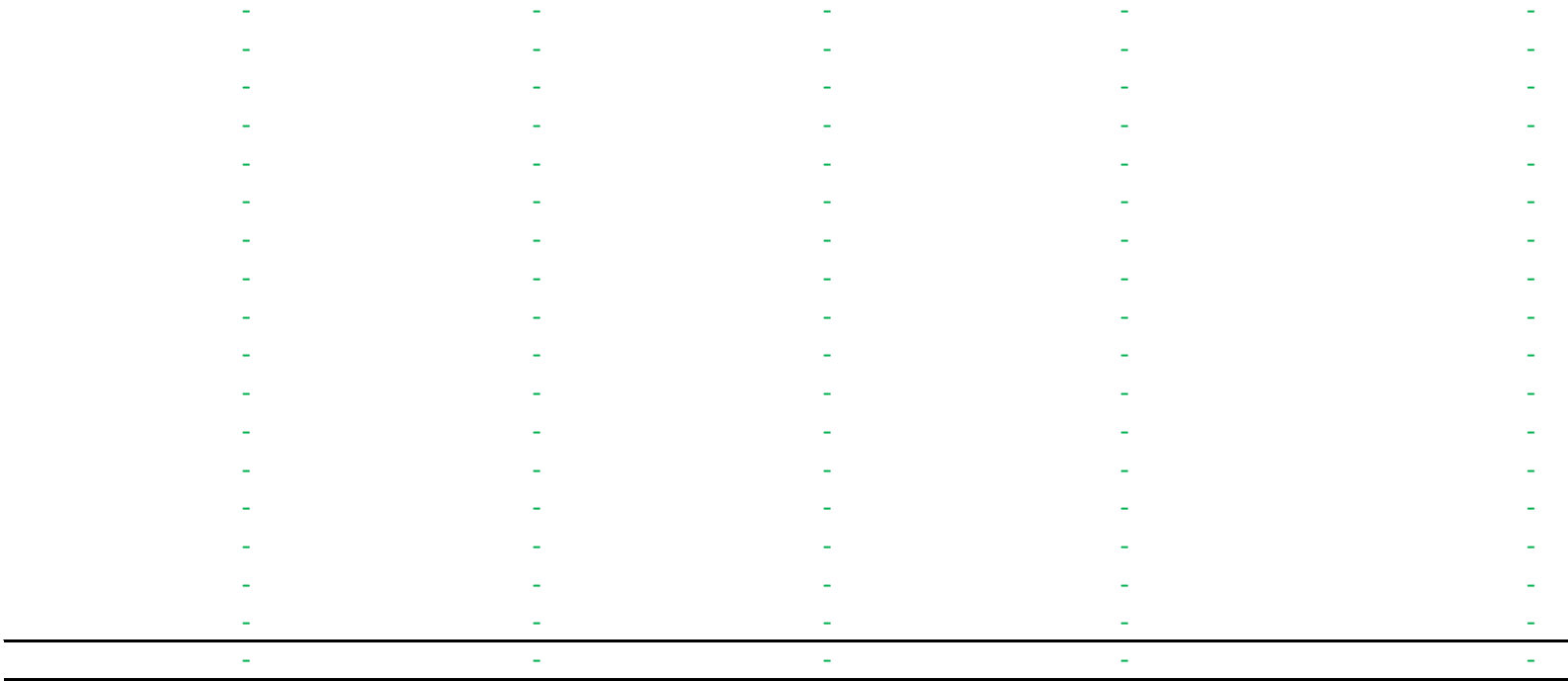
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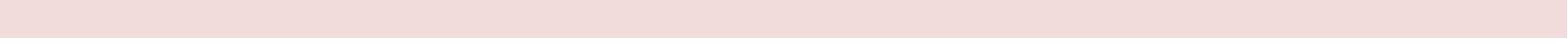
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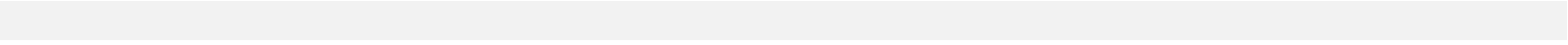
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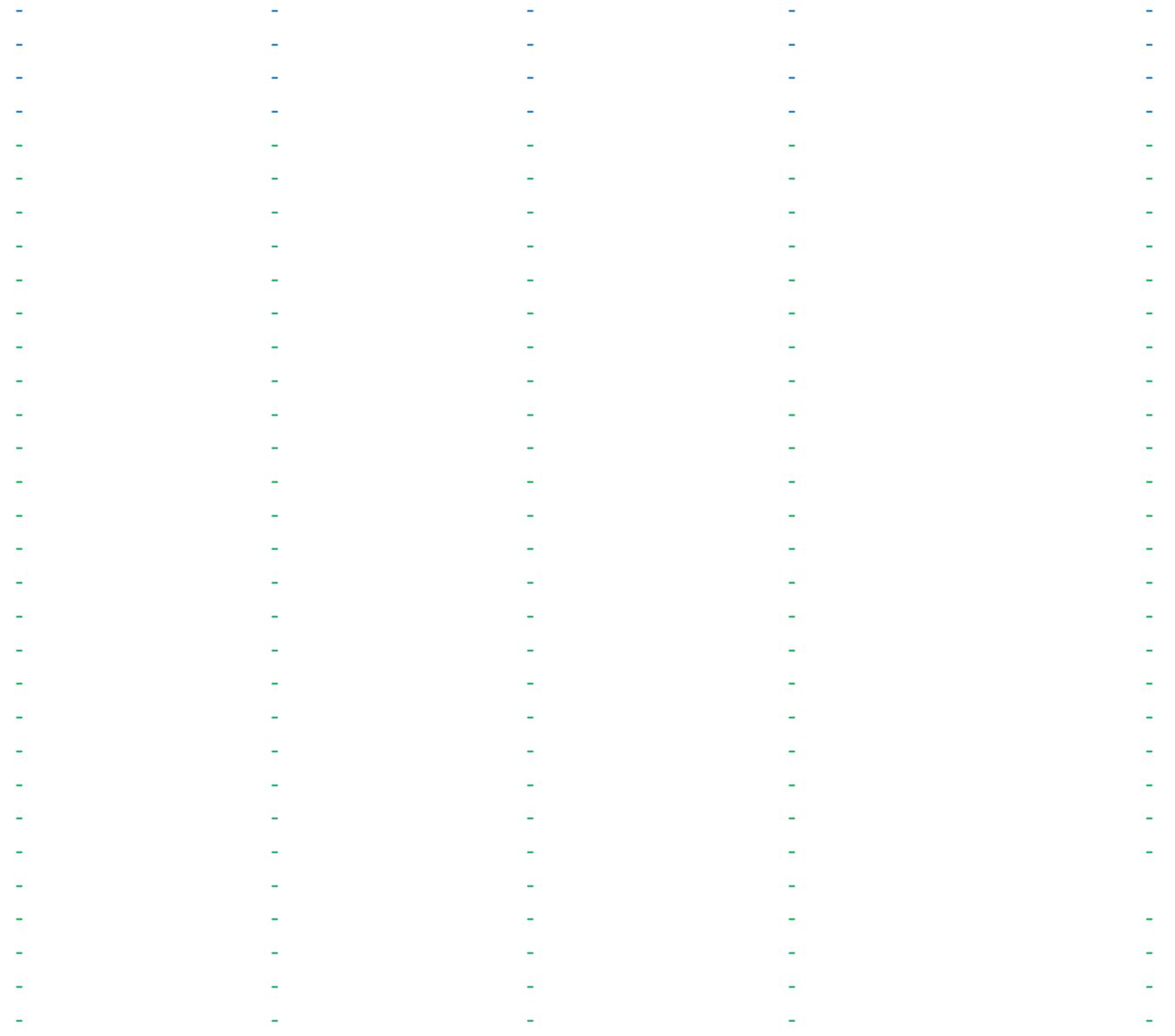
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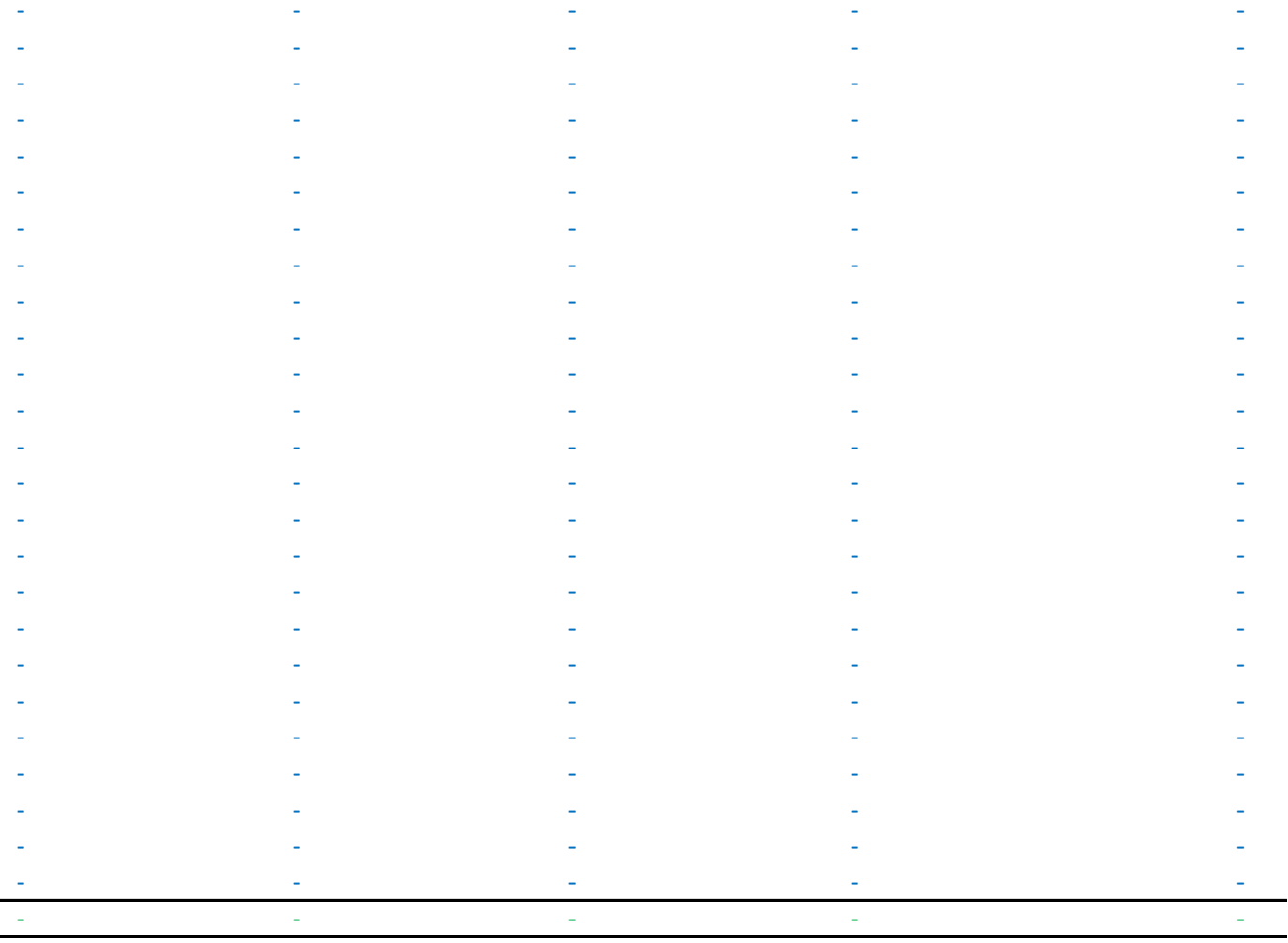
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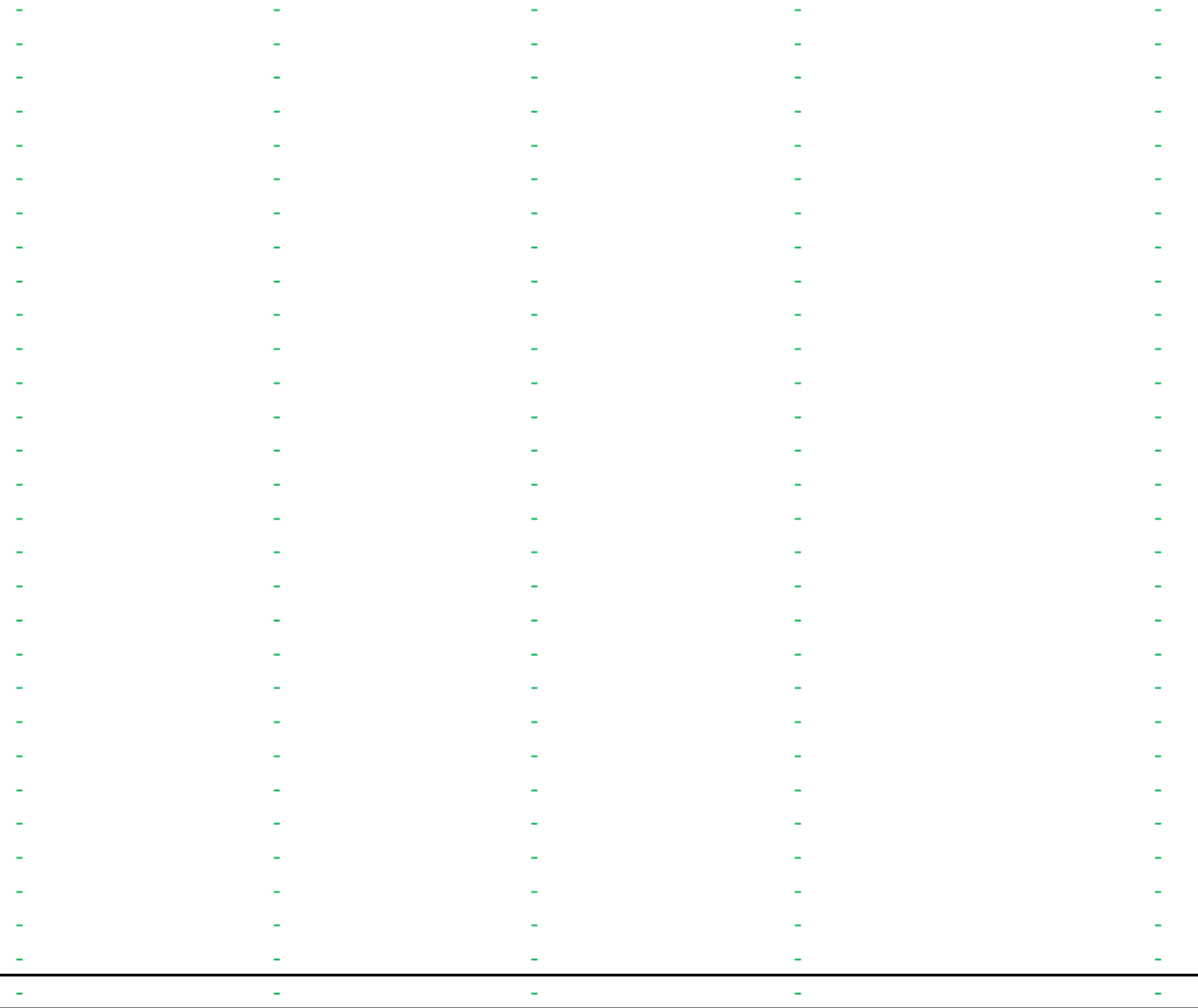
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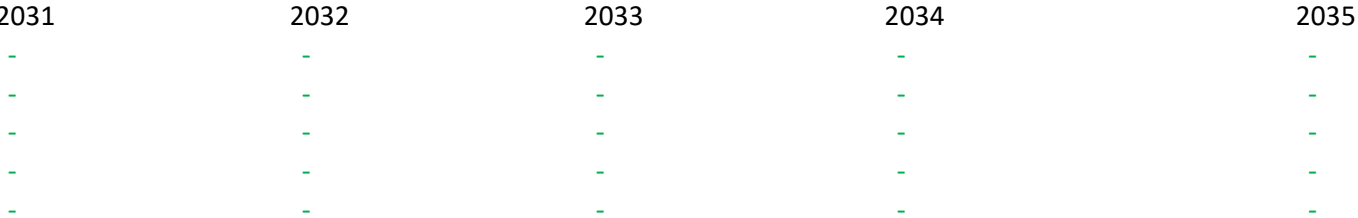
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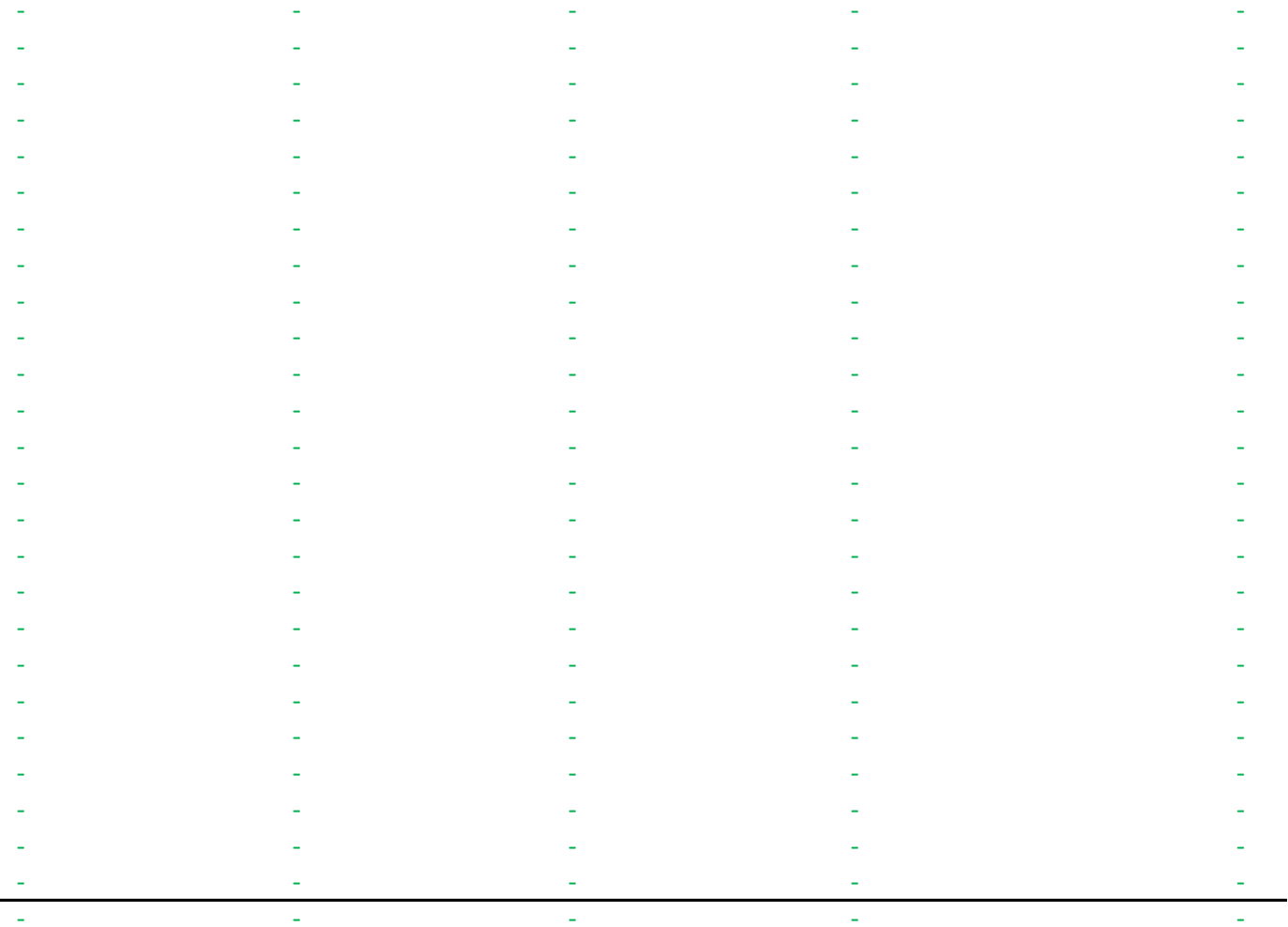
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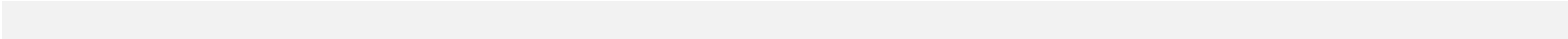
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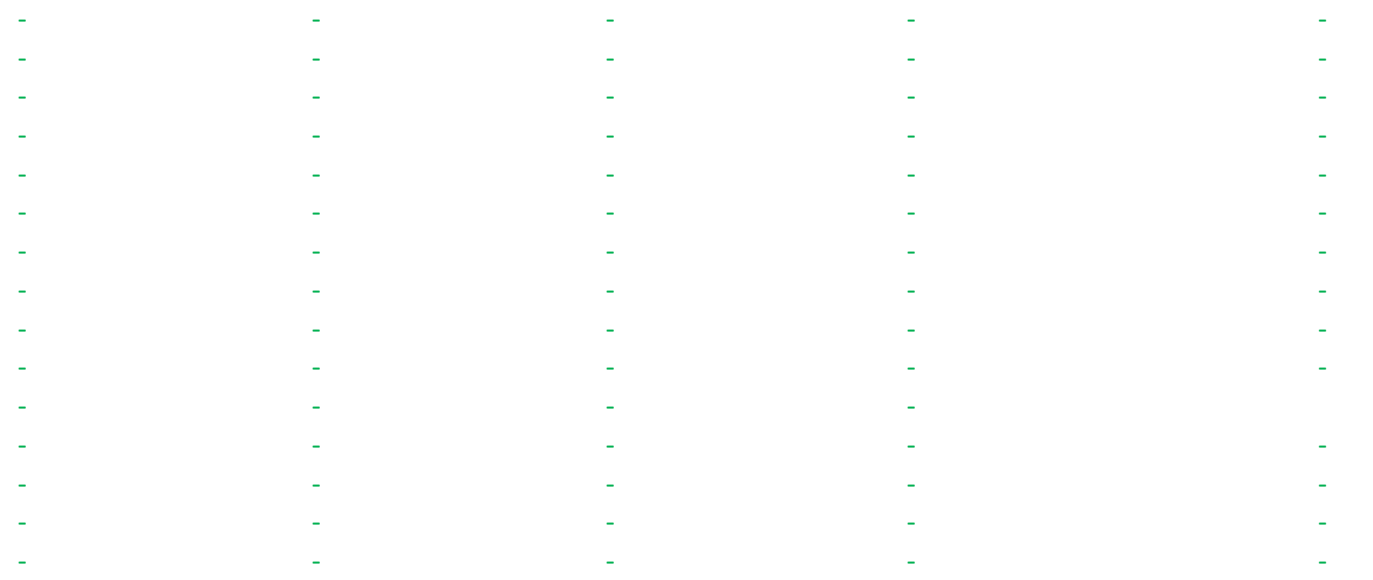
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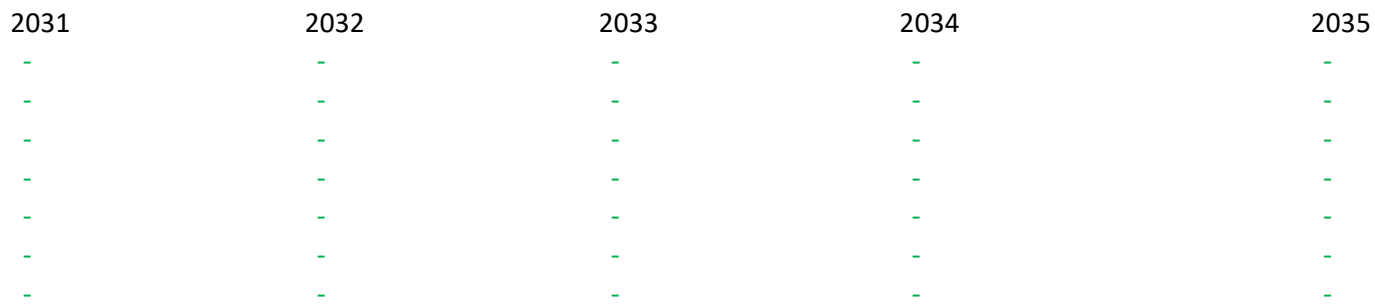
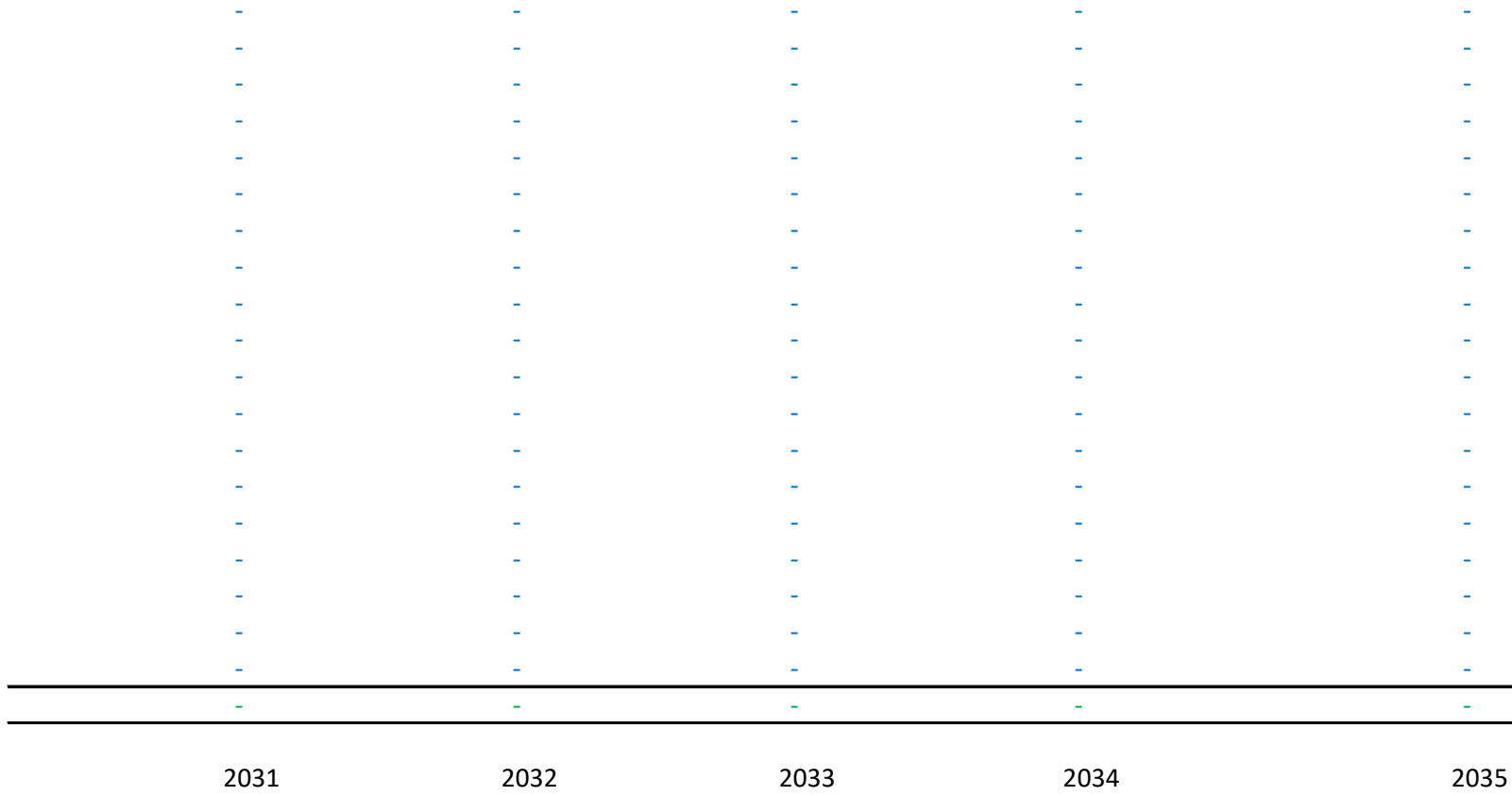
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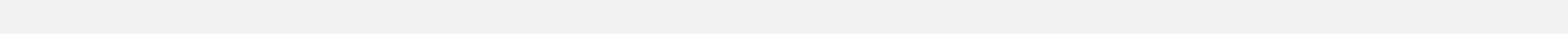
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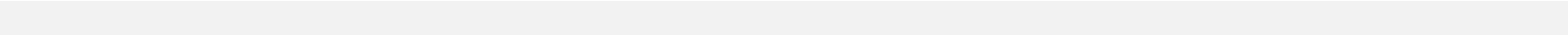
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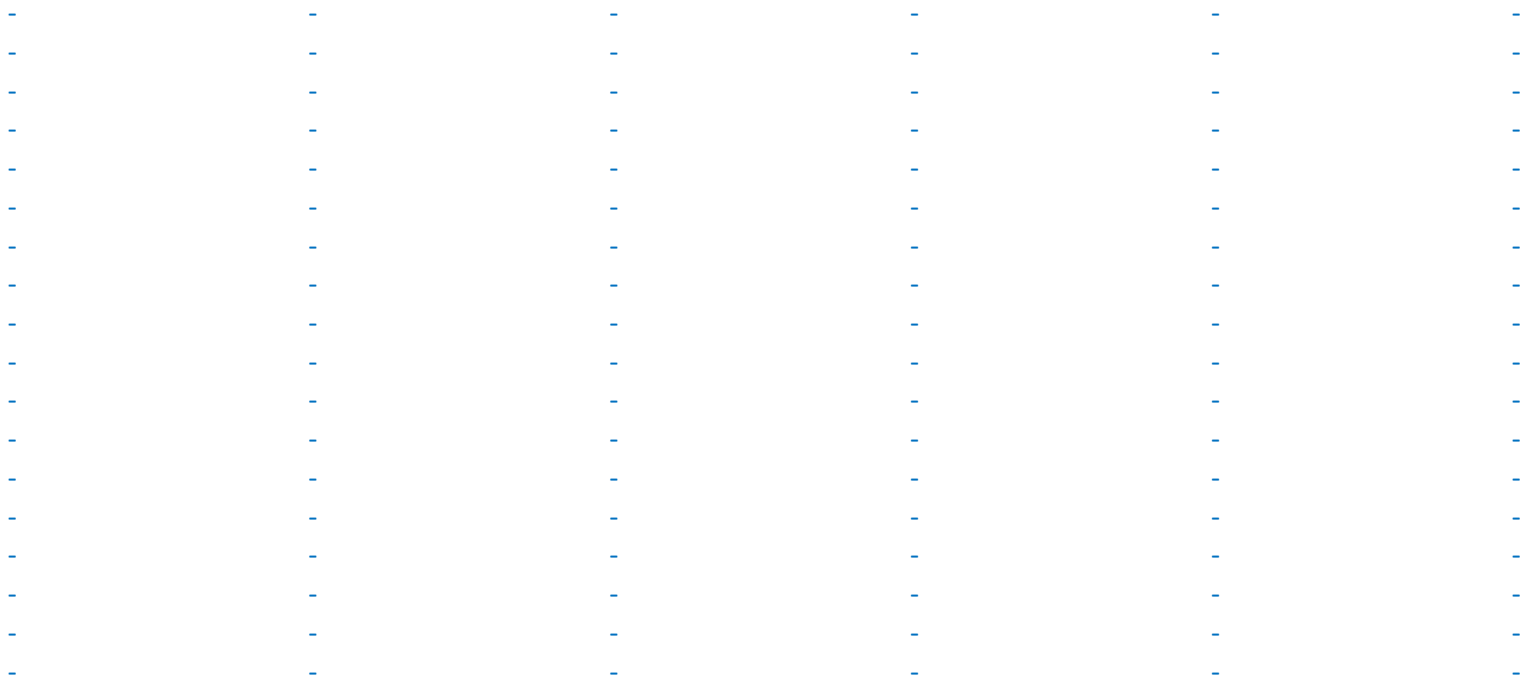
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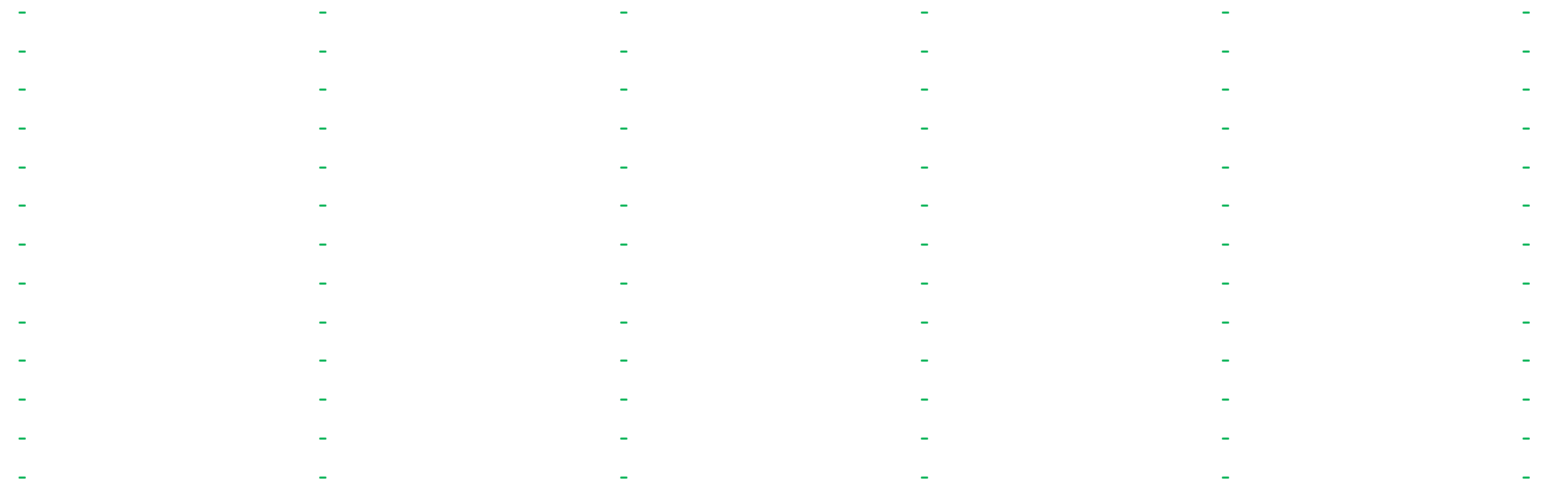
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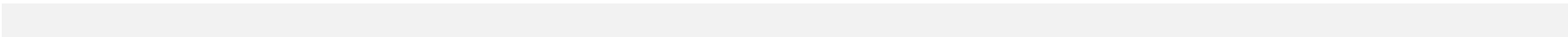
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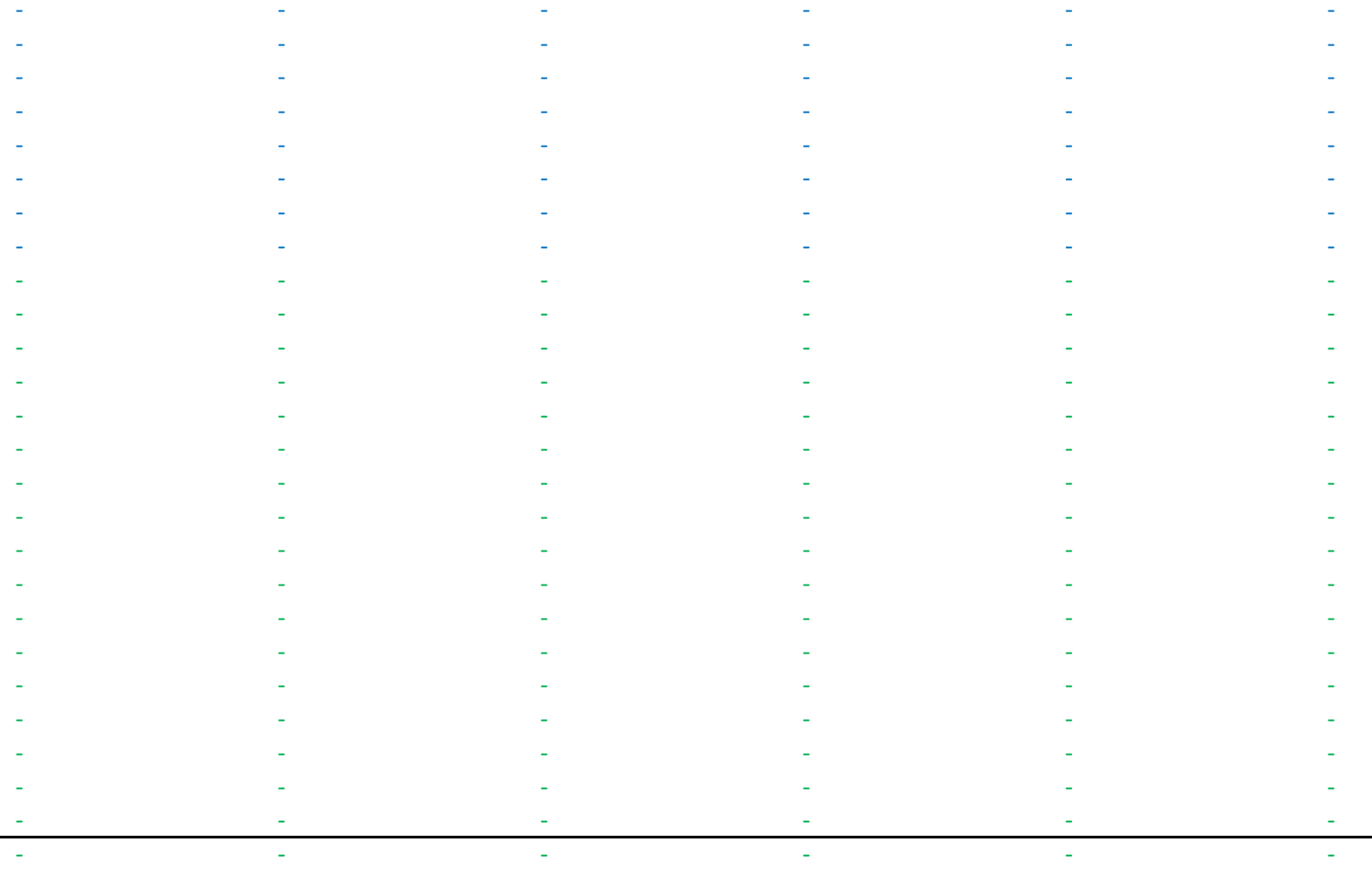
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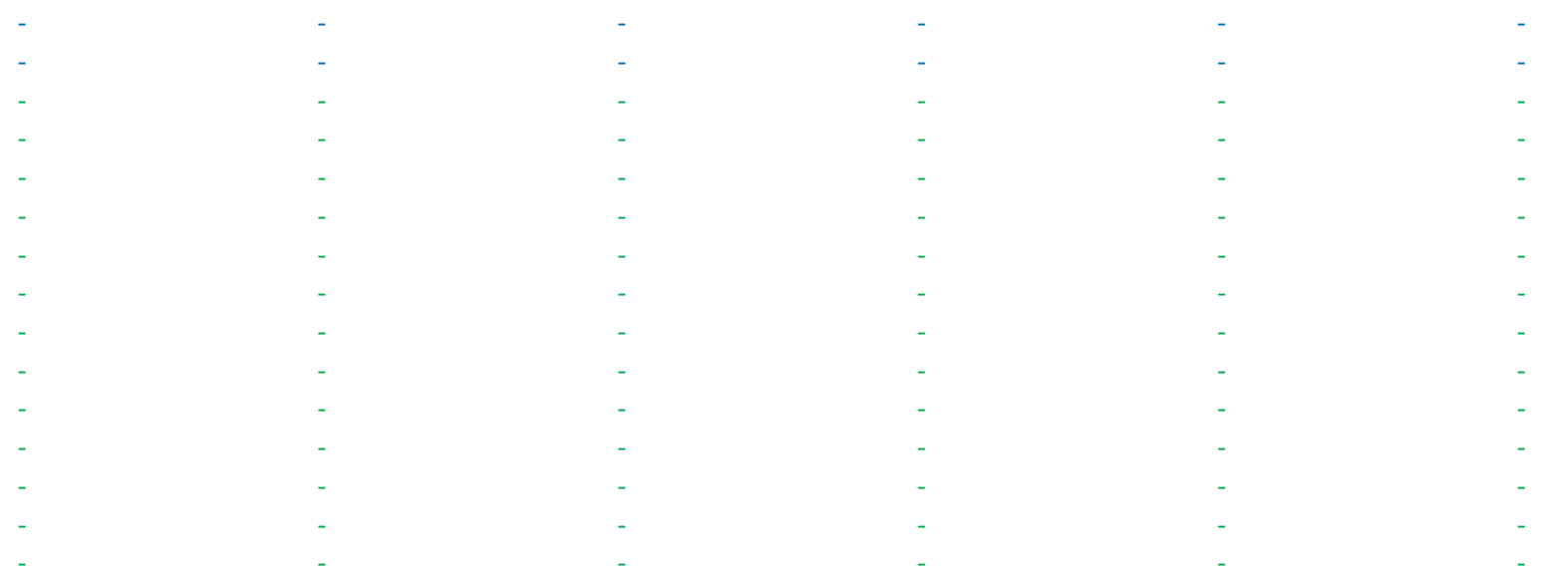
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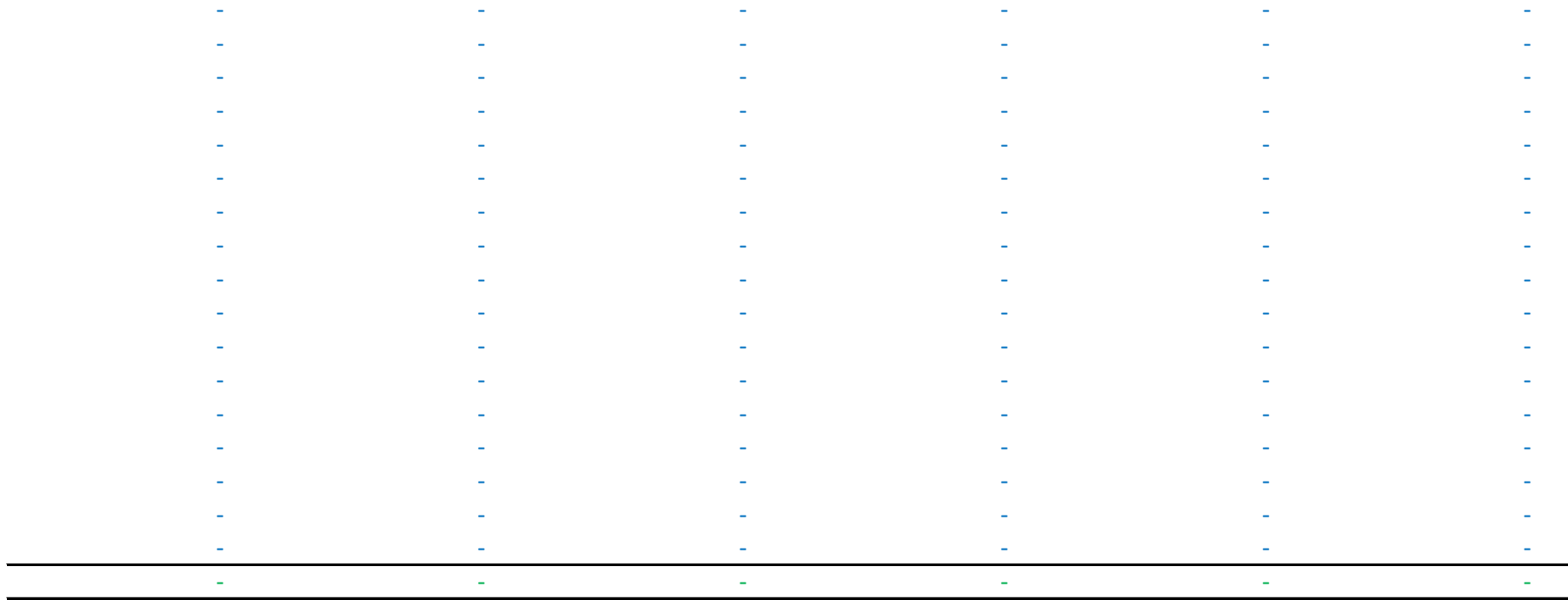
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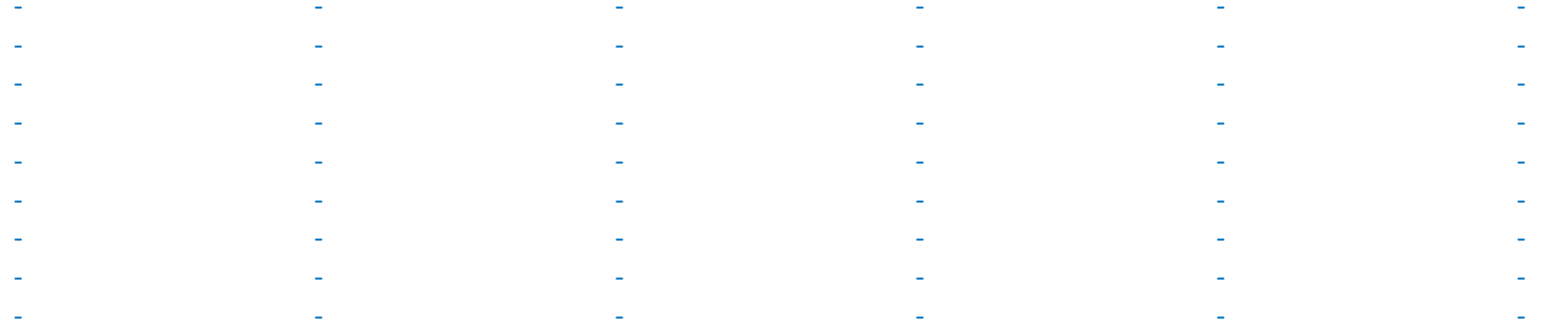
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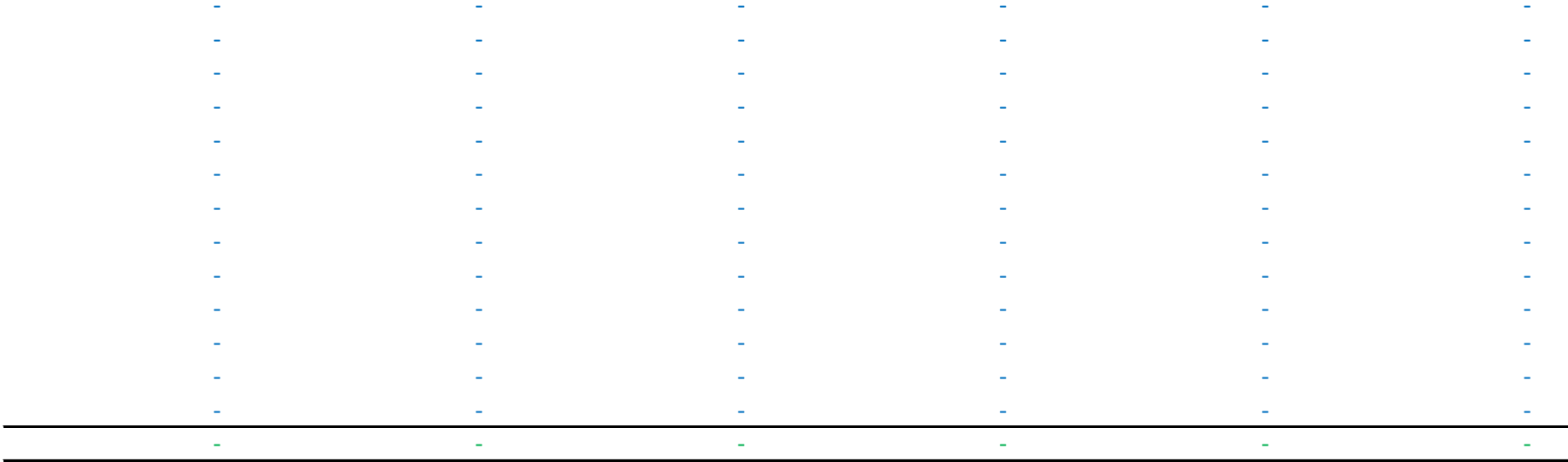
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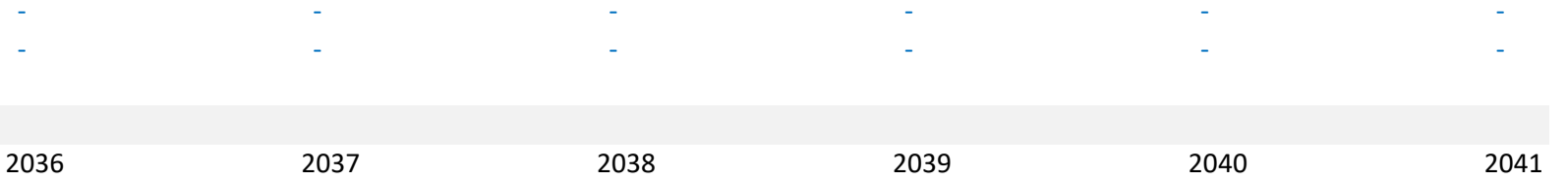
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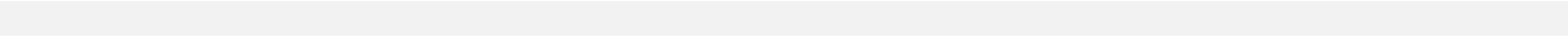
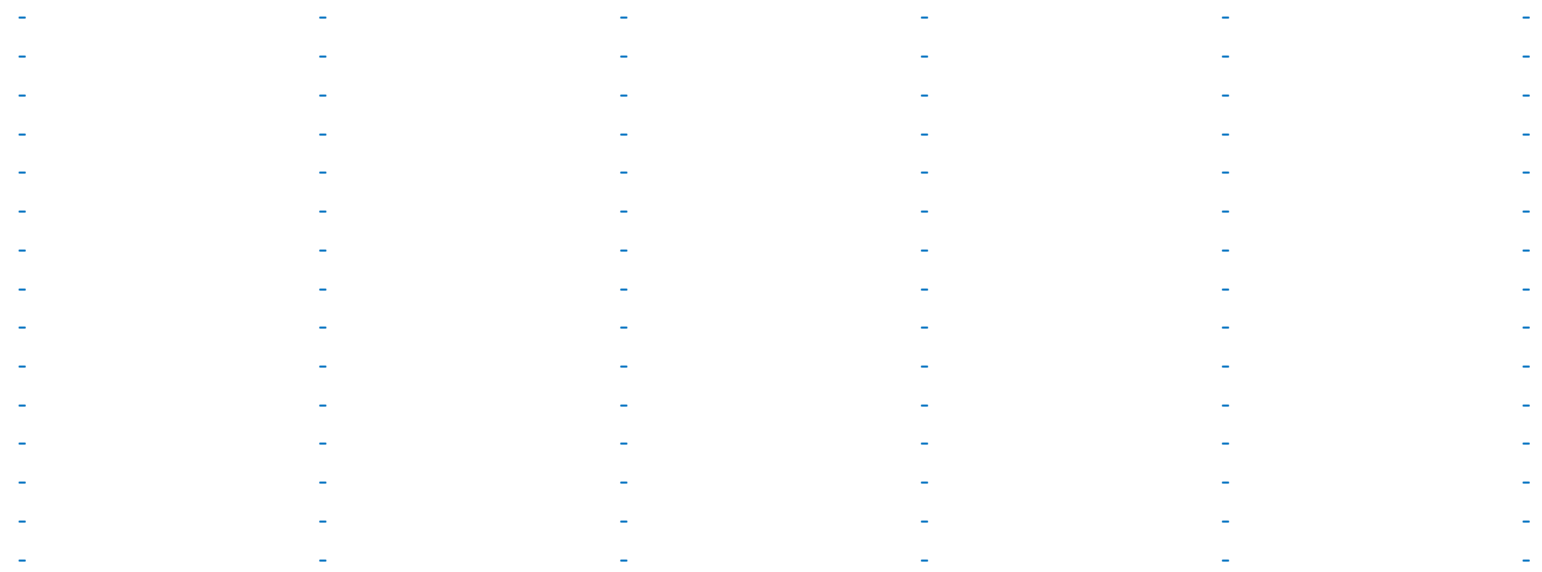
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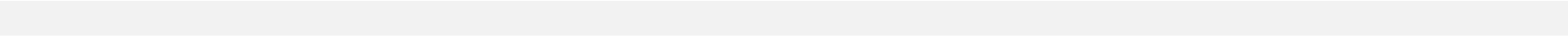
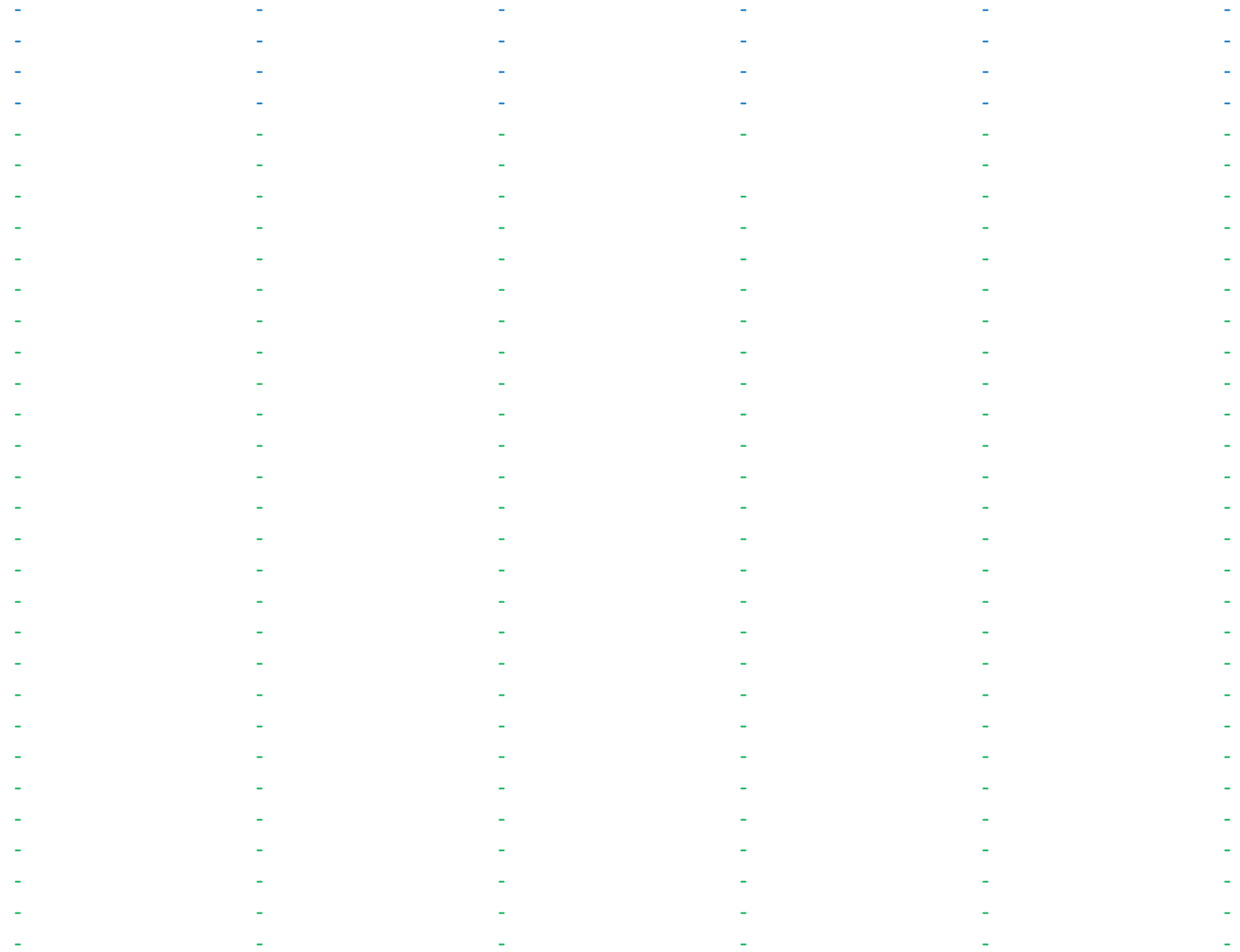
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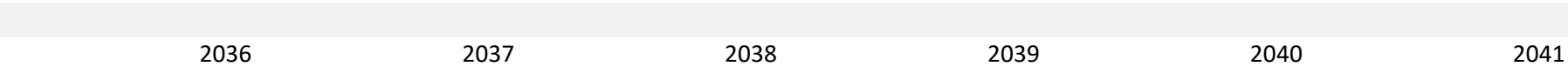
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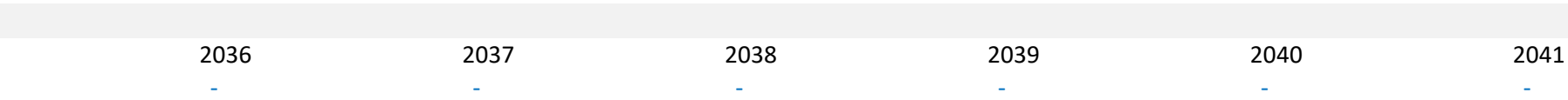
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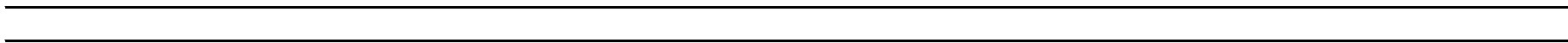
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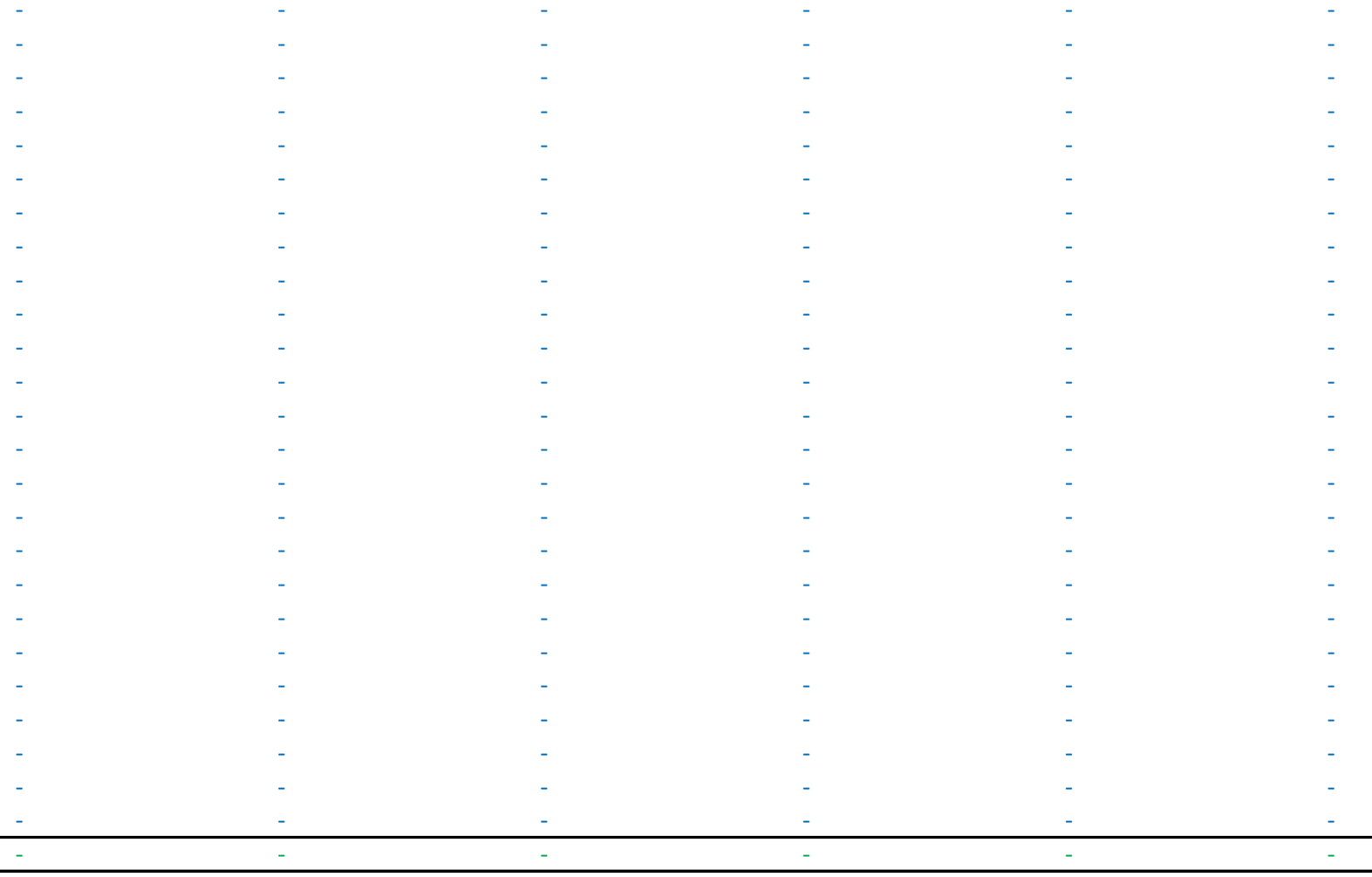
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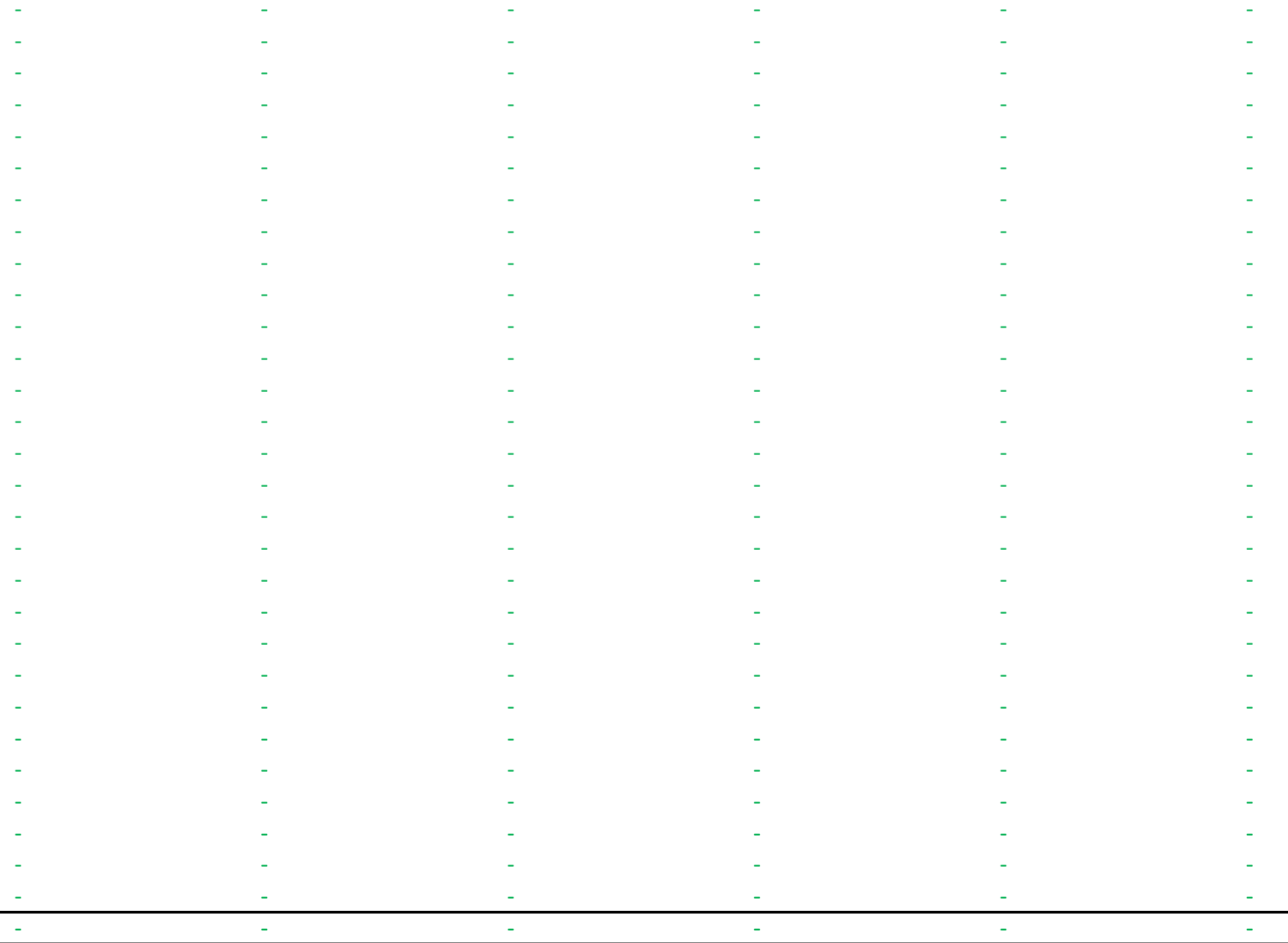
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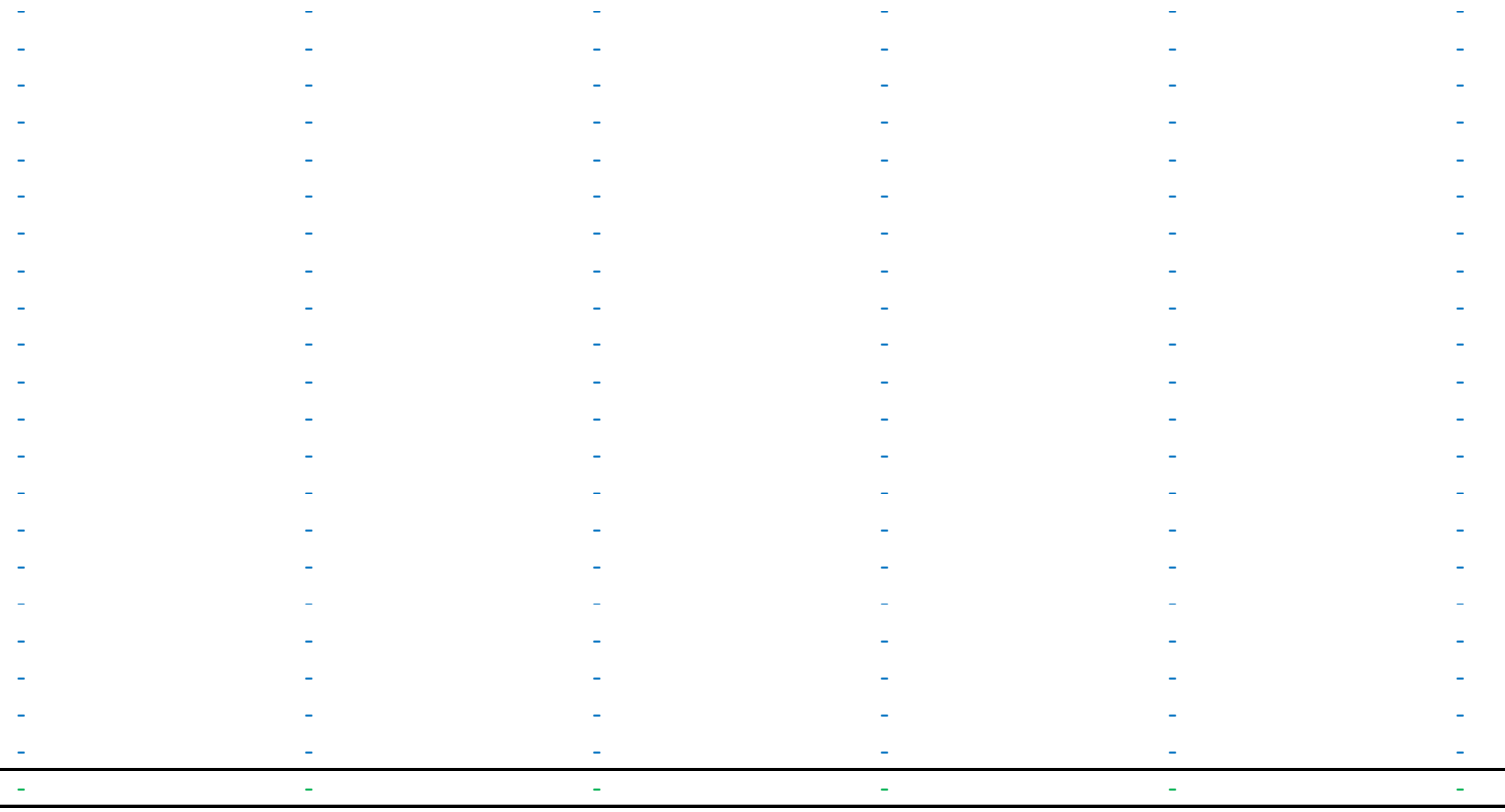
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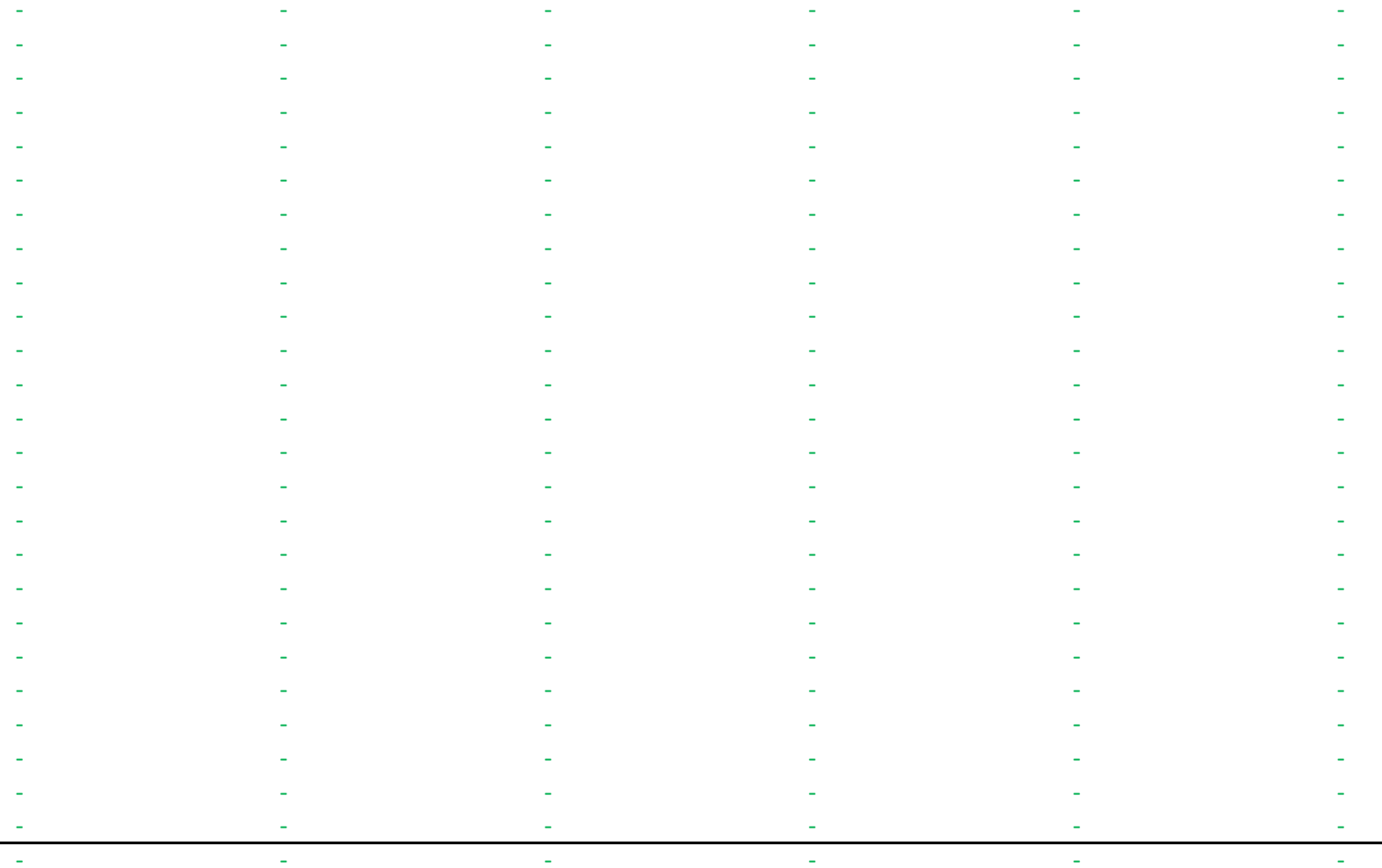
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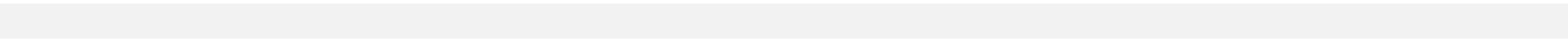
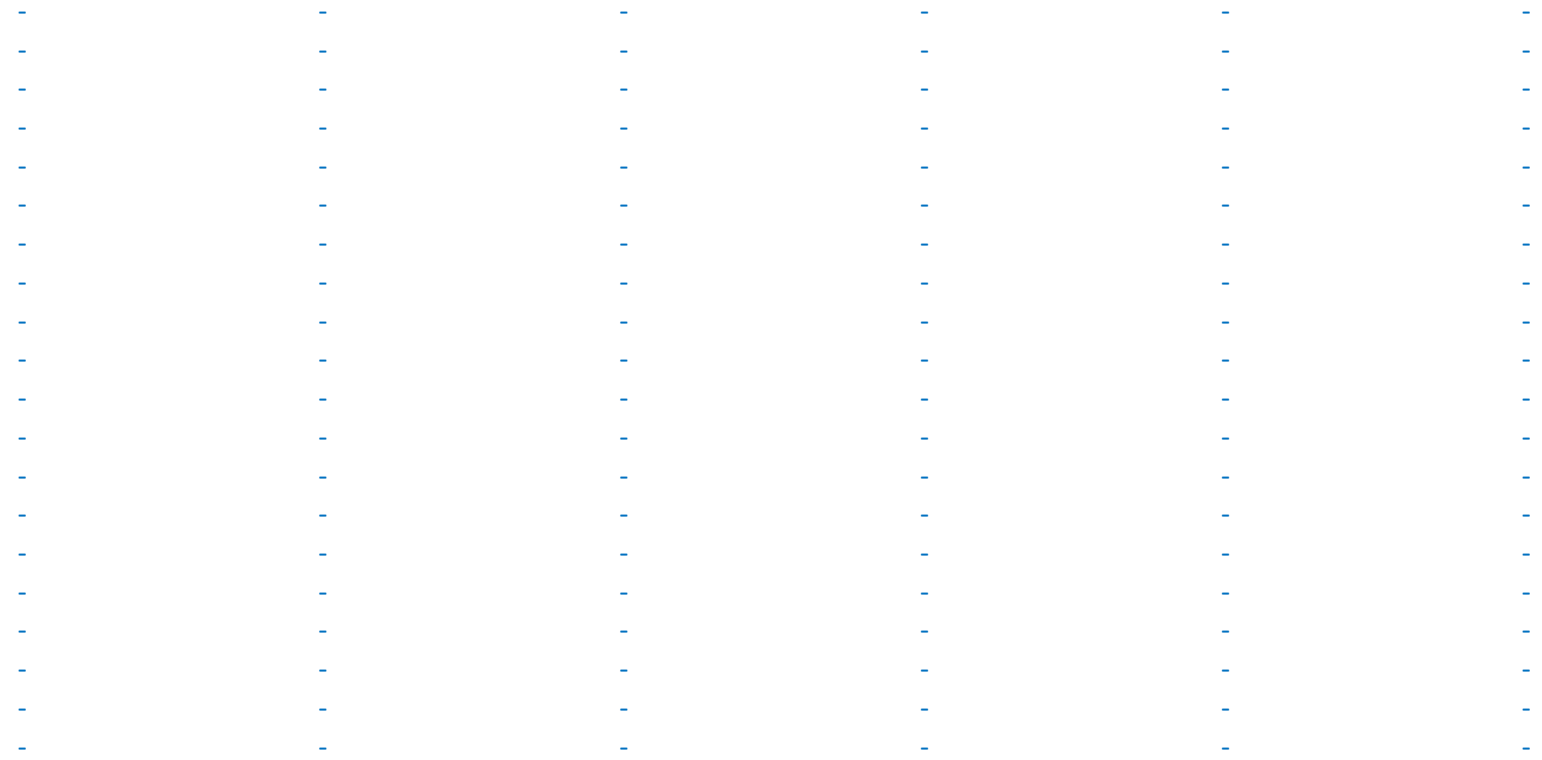
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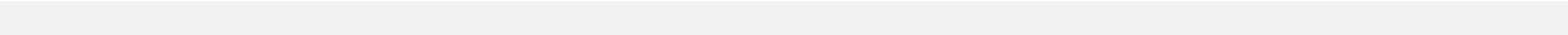
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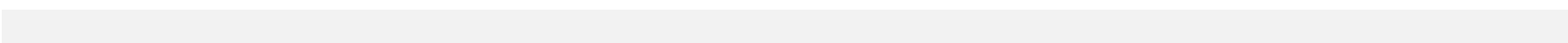
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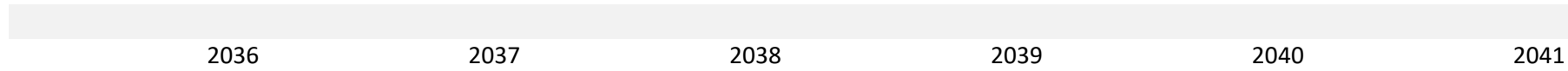
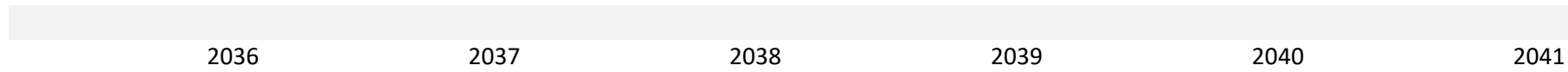
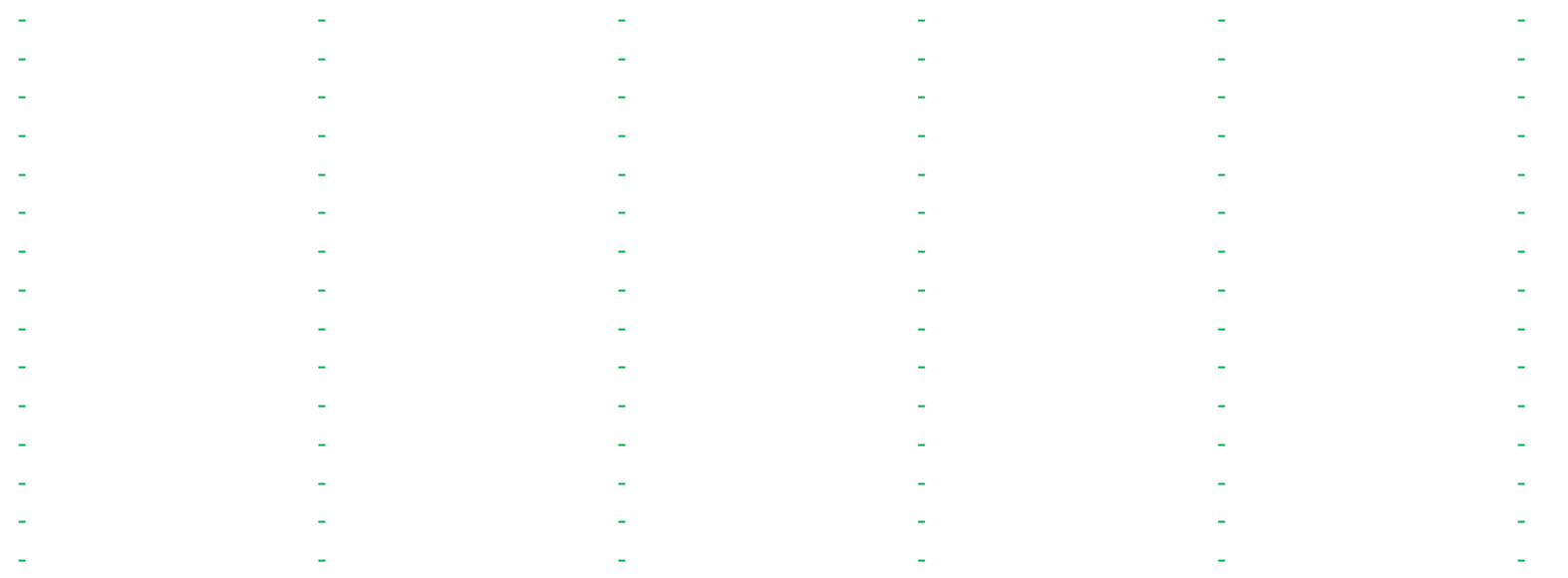
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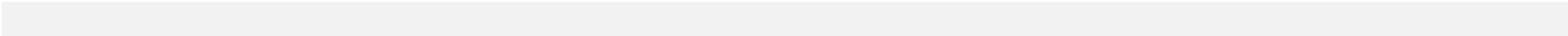
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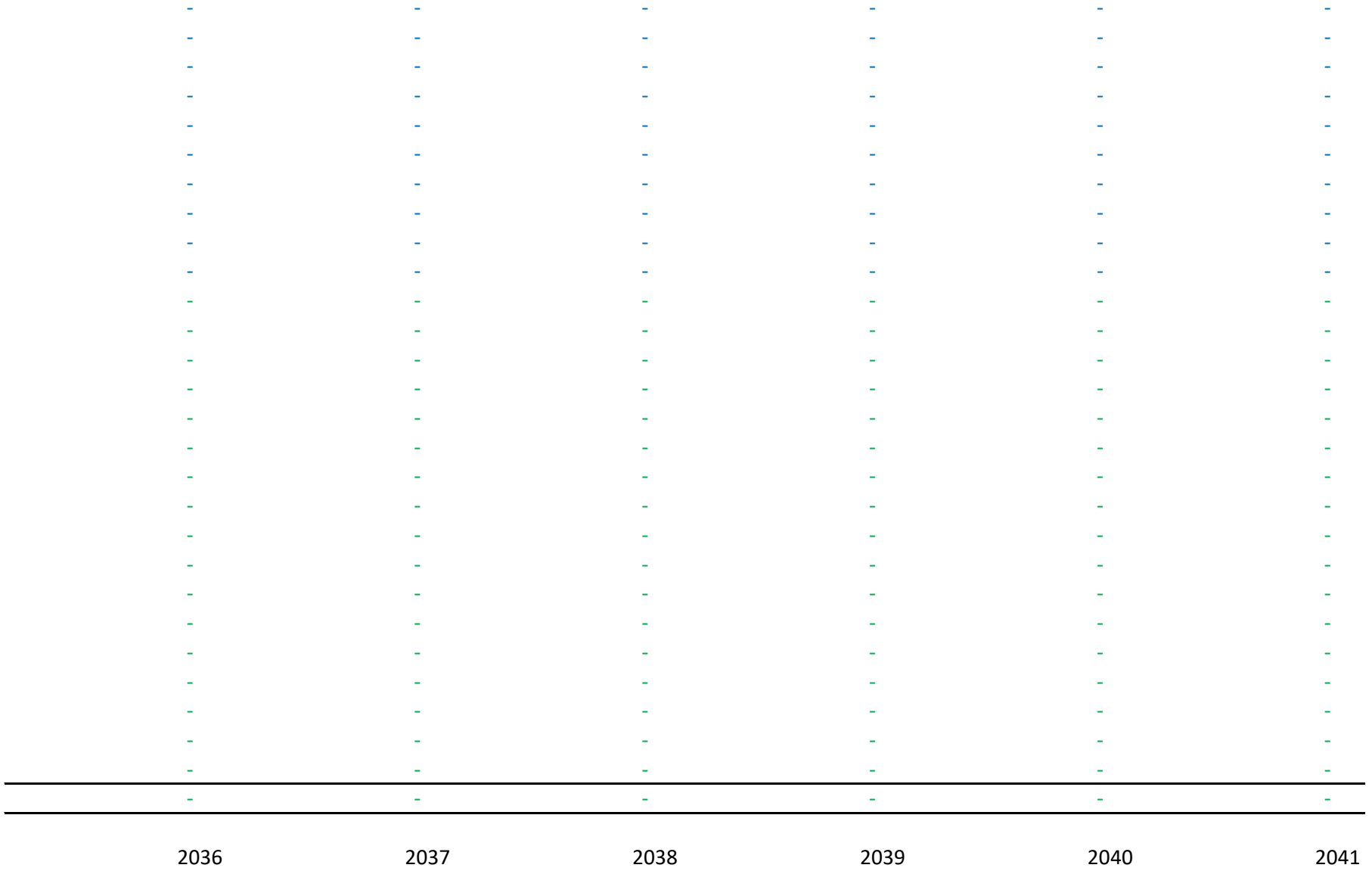
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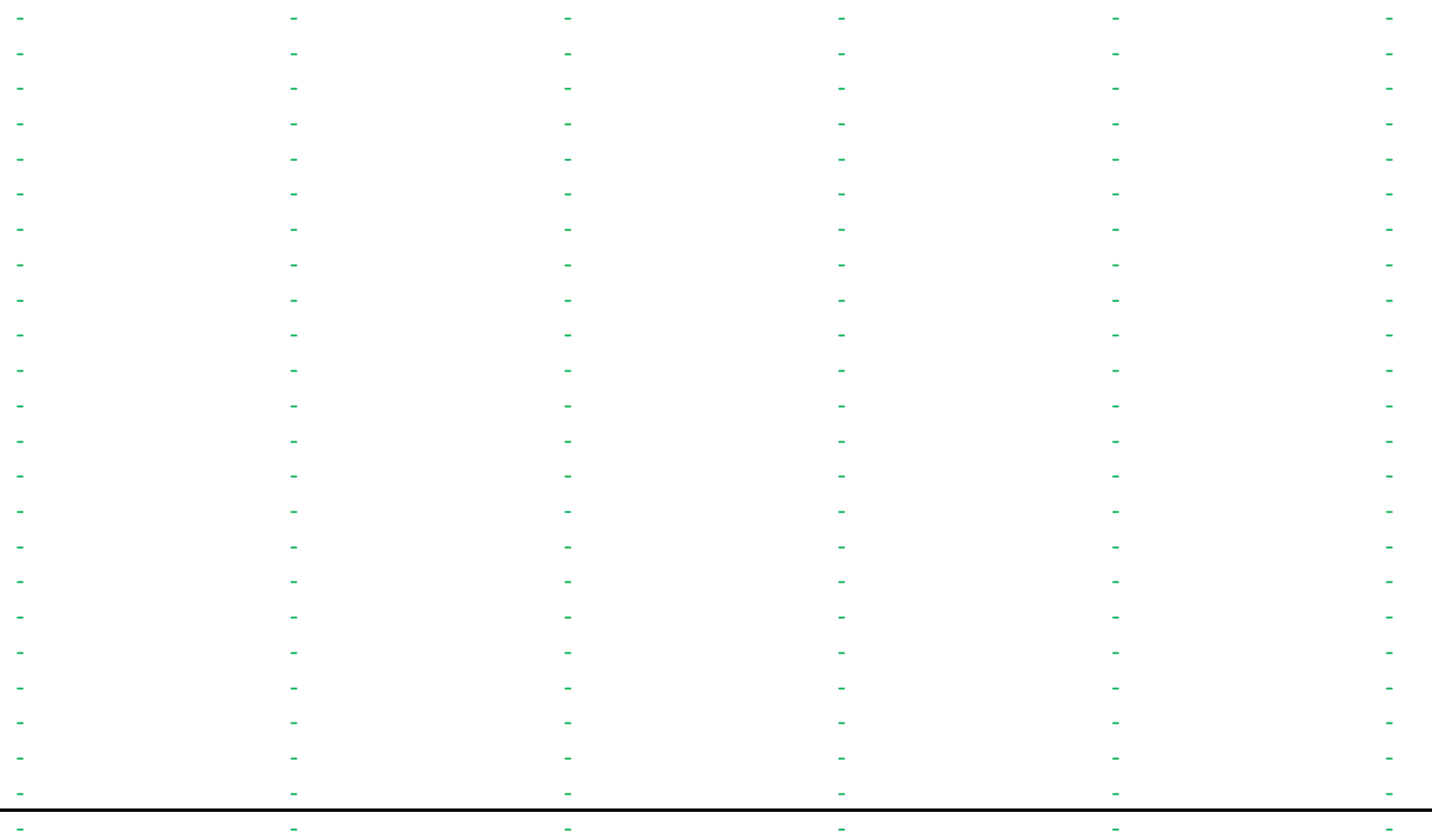
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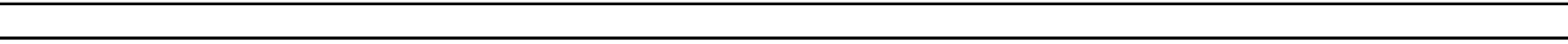
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