COMMONWEALTH OF KENTUCKY

BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION

In the Matter of:)	
)	
ELECTRONIC APPLICATION OF)	
LOUISVILLE GAS AND ELECTRIC)	
COMPANY FOR AN ADJUSTMENT OF ITS)	
ELECTRIC AND GAS RATES, A)	Case No. 2020-00350
CERTIFICATE OF PUBLIC CONVENIENCE)	
AND NECESSITY TO DEPLOY ADVANCED)	
METERING INFRASTRUCTURE,)	
APPROVAL OF CERTAIN REGULATORY)	
AND ACCOUNTING TREATMENTS, AND)	
ESTABLISHMENT OF A ONE-YEAR)	
SURCREDIT)	

Direct Testimony of Justin Bieber

on behalf of

The Kroger Co.

March 5, 2021

1		Direct Testimony of Justin Bieber
2		
3	<u>Intro</u>	duction
4	Q.	Please state your name and business address.
5	A.	My name is Justin Bieber. My business address is 111 E Broadway, Suite
6		1200, Salt Lake City, Utah, 84111.
7	Q.	By whom are you employed and in what capacity?
8	A.	I am a Senior Consultant for Energy Strategies, LLC. Energy Strategies is
9		a private consulting firm specializing in economic and policy analysis applicable to
10		energy production, transportation, and consumption.
11	Q.	On whose behalf are you testifying in this proceeding?
12	A.	My testimony is being sponsored by The Kroger Co. ("Kroger"). Kroger is
13		one of the largest retail grocers in the United States and operates over 28 stores and
14		other facilities in the territory served by Louisville Gas and Electric Company
15		("LG&E" or the "Company"). Combined, Kroger facilities purchase more than 70
16		million kWh annually from LG&E.
17	Q.	Please describe your professional experience and qualifications.
18	A.	My academic background is in business and engineering. I earned a
19		Bachelor of Science in Mechanical Engineering from Duke University in 2006 and
20		a Master of Business Administration from the University of Southern California in
21		2012. I am also a registered Professional Civil Engineer in the state of California.
22		I joined Energy Strategies in 2017, where I provide regulatory and technical
23		support on a variety of energy issues, including regulatory services, transmission

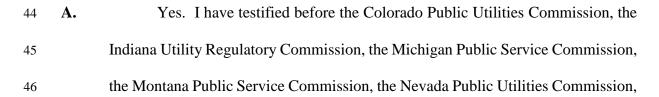
and renewable development, and financial and economic analyses. I have also filed
 and supported the development of testimony before various state utility regulatory
 commissions.

Prior to joining Energy Strategies, I held positions at Pacific Gas and 27 Electric Company as Manager of Transmission Project Development, ISO 28 Relations and FERC Policy Principal, and Supervisor of Electric Generator 29 Interconnections. During my career at Pacific Gas and Electric Company, I 30 supported multiple facets of utility operations, and led efforts in policy, regulatory, 31 32 and strategic initiatives, including supporting the development of testimony before and submittal of comments to the FERC, California ISO, and the California Public 33 Utility Commission. Prior to my work at Pacific Gas & Electric, I was a project 34 manager and engineer for heavy construction bridge and highway projects. 35

36 Q. Have you testified previously before this Commission?

A. Yes, I testified in Duke Energy Kentucky's 2017 general base rate case and
2019 general base rate case, Case Nos. 2017-00321 and 2019-00271, respectively.
I also testified in the Kentucky Utilities Company and Louisville Gas and Electric
Company 2018 general base rate cases, Case Nos. 2018-00294 and 2018-00295,
respectively.

42 Q. Have you filed testimony previously before any other state utility regulatory
43 commissions?



47		the North Carolina Utilities Commission, the Public Utilities Commission of Ohio,
48		the Public Utility Commission of Oregon, the Utah Public Service Commission,
49		the Virginia State Corporation Commission, and the Public Service Commission of
50		Wisconsin.
51		
52	<u>C</u>	Overview and Conclusions
53	Q.	What is the purpose of your testimony in this proceeding?
54	A.	My testimony addresses the following topics:
55		(1) LG&E's proposed changes in depreciation rates for the Company's
56		remaining coal-fired generation units;
57		(2) LG&E's proposal to continue the use of regulatory asset and liability
58		accounting for generator outage expenses; and
59		(3) A multi-site commercial rate aggregation pilot.
60	Q.	Please summarize your recommendations to the Commission.
61	A.	I offer the following recommendations:
62		(1) LG&E's proposal to increase its revenue requirement in this
63		proceeding to reflect changes in depreciation rates based on the
64		accelerated retirement of its remaining coal-fired generation units should
65		be denied. Instead, the revenue requirement should be calculated using
66		the existing depreciation rates for LG&E's coal fleet, with the
67		undepreciated balance transferred to a regulatory asset at the time of
68		retirement. The undepreciated balance in the regulatory asset should be
69		amortized over the current depreciable lives of the affected generating

70	plants. Given the current challenges facing customers and the local
71	economy brought on by the COVID-19 pandemic, and the continuously
72	changing operational and economic circumstances for the Company's
73	coal-fired generation assets, it is not necessary or appropriate to increase
74	the base rate revenue requirement to recover LG&E's significant proposed
75	increase in depreciation expense at this time.
76	(2) The Commission should deny LG&E's request to continue the use of
77	regulatory asset and liability accounting for generator outage expenses.
78	The proposed accounting treatment is unnecessary and would reduce the
79	Company's incentive to reduce costs as much as possible. This non-
80	precedential accounting treatment resulted from multi-party negotiations
81	in LG&E's prior two general rate cases, Case Nos. 2016-00371 and 2018-
82	00295, and I recommend that it be eliminated going forward.
83	(3) It is reasonable and appropriate at this time for the Company to initiate
84	a multi-site commercial rate aggregation study in order to provide an
85	opportunity for the Company and its stakeholders to gain insight into how
86	a multi-site aggregation rate would work. A well-designed demand
87	aggregation program places a customer with multiple locations on an
88	equal footing with single-site customers, by charging participating multi-
89	site customers for the amount of generation and transmission services that
90	they actually use, thereby promoting equitable treatment of these
91	customers. To that end, I recommend that the Commission order the
92	Company to study the feasibility of a multi-site aggregate commercial rate

93		and propose a pilot program it its next rate case that would allow
94		commercial customers to participate in a multi-site rate applicable to the
95		portion of the demand charge associated with fixed production and
96		transmission costs.
97		
98	<u>Depr</u>	eciation Rates
99	Q.	Please explain how LG&E is proposing to update depreciation rates for the
100		Company's generation fleet in this proceeding.
101	A.	Company witness Lonnie Bellar explains that the Company has
102		determined that the current retirement dates for its steam generating units are no
103		longer reasonable due to changed circumstances. As such, the Company has
104		determined new retirement dates that it considers to be reasonable estimates of the
105		remaining economic lives of the units. ¹ Mr. Bellar provides the existing and
106		updated retirement dates for the affected units, which is reproduced in Table JB-1
107		below.

¹ Direct Testimony of Lonnie E. Bellar, p. 9.

111 112

Table JB-1 LG&E's Current and Updated Retirement Year For Certain Coal-Fired Generating Units²

	Retiren	nent Year
Unit	Current	Updated
Brown 3	2035	2028
Ghent 4	2038	2037
Mill Creek 1	2032	2024
Mill Creek 2	2034	2028
Mill Creek 3	2038	2039
Mill Creek 4	2042	2039
Trimble County 1	2050	2045

113 LG&E witness John Spanos explains that he utilized these probable retirement dates and change in life span for these generating units, as provided by 114 Mr. Bellar, in his depreciation studies.³ 115

Q. What factors did LG&E consider in assessing the remaining economic lives of 116 generating units? 117

118	A.	According to Mr. Bellar, the Company's Generation Planning and
119		Analysis function continuously assesses generation resources as part of the
120		Integrated Resources Planning ("IRP") process. Mr. Bellar explains that the
121		planning process considers a range of factors including the impact of
122		environmental regulations, fuel price scenarios, the cost of replacement
123		generation, risk of catastrophic failures, and the operational and major
124		maintenance costs that may be avoided by economic retirements. ⁴
125		

² Id.

 ³ Direct Testimony of John J. Spanos, p. 10.
 ⁴ Direct Testimony of Lonnie E. Bellar, p. 10.

126	Q.	What is the revenue requirement impact resulting from the proposed changes
127		in depreciation rates for the Company's coal-fired generation units?
128	A.	According to Company witness Kent Blake, the proposed changes in
129		depreciation rates for the Company's coal-fired generation units increased
130		LG&E's depreciation expense by \$59.2 million. ⁵ After considering the effects on
131		capitalization, property taxes, and income taxes, the total LG&E revenue
132		requirement impact resulting from this change in depreciation rates is \$50.5
133		million. ⁶
134	Q.	What is your assessment of LG&E's proposal to increase the revenue
135		requirement by \$50.5 million in this case to reflect earlier retirement dates for
136		its coal-fired generating resources?
137	A.	I recommend that the Commission deny LG&E's request to increase its
138		base rate revenue requirement by \$50.5 million in this case to reflect the
139		accelerated retirement of its coal-fired generating resources. Instead, the revenue
140		requirement should be calculated using the existing depreciation rates for LG&E's
141		coal fleet. I recommend that the Commission authorize LG&E to transfer the
142		remaining undepreciated plant balances to a regulatory asset when these units are
143		retired and amortize the balance over the current depreciable lives. Specifically,
144		this accounting treatment should apply to the coal-fired generating units listed in
145		Table JB-1.

 ⁵ Direct Testimony of Kent W. Blake, p. 21.
 ⁶ Louisville Gas and Electric Company Response to Second Data Requests for Information of the Kroger Co. Dated February 5, 2021, Question No. 7 (a), Reproduced in Exhibit JB-1.

146	Simply put, it is not appropriate or necessary to increase the depreciation
147	rates for these facilities at this time. As Company witness Paul Thompson
148	acknowledges, the COVID-19 pandemic has created unprecedented challenges for
149	LG&E's customers and communities. ⁷ LG&E's proposed increase to
150	depreciation rates is a key driver of its significant overall proposed revenue
151	requirement increase of \$131.2 million, or 11.6%. My recommendation would
152	help mitigate this proposed increase in costs for LG&E's customers at this very
153	difficult time while also providing a reasonable opportunity for LG&E to recover
154	its costs.
155	Further, as I explain above, LG&E continuously assesses its generation
155 156	Further, as I explain above, LG&E continuously assesses its generation portfolio as part of the IRP process based on a range of factors. As such, the
156	portfolio as part of the IRP process based on a range of factors. As such, the
156 157	portfolio as part of the IRP process based on a range of factors. As such, the changing operational and economic circumstances that caused LG&E to propose
156 157 158	portfolio as part of the IRP process based on a range of factors. As such, the changing operational and economic circumstances that caused LG&E to propose updated retirement dates for its steam generating units in this proceeding may
156 157 158 159	portfolio as part of the IRP process based on a range of factors. As such, the changing operational and economic circumstances that caused LG&E to propose updated retirement dates for its steam generating units in this proceeding may cause LG&E to update the probable retirement dates again in the future.
156 157 158 159 160	portfolio as part of the IRP process based on a range of factors. As such, the changing operational and economic circumstances that caused LG&E to propose updated retirement dates for its steam generating units in this proceeding may cause LG&E to update the probable retirement dates again in the future. Maintaining existing depreciation rates for ratemaking purposes will help provide

⁷ Direct Testimony of Paul W. Thompson, p. 12.

Q. Company witness Kent Blake claims that the significant changes in facts and 164 circumstances regarding the remaining coal-fired generation fleet must be 165 addressed now in depreciation rates to avoid the risk of stranded assets and 166 inter-generational inequities.⁸ How do you respond to these concerns? 167 Utilizing a regulatory asset as I am proposing to recover the Company's 168 A. 169 remaining undepreciated investment in its coal-fired generating units after these units are retired will provide LG&E a reasonable opportunity to fully recover its 170 investment over the originally expected lives. 171 172 Further, the opportunity has come and gone for the Company to fully recover its investment in its coal-fired generating units and fully avoid inter-173 generational inequities. LG&E's proposal to significantly increase its 174 depreciation expense in this case would create an inter-generational inequity by 175 imposing significantly higher costs on current customers for generating units that 176 are becoming increasingly uneconomic, relative to the costs borne by past 177 customers that benefitted from these resources. My proposal to utilize a 178 regulatory asset to recover the Company's remaining investment in its coal-fired 179 180 generating resources after the plants are retired mitigates some of this burden on current customers, who are also at the forefront of dealing with the challenges and 181 economic circumstances brought on by the COVID-19 pandemic. 182

⁸ Direct Testimony of Kent W. Blake, p. 5.

Q.

Are you aware of any past precedent by this Commission approving the use of a regulatory asset to recover the costs of retired assets?

I am aware of a couple of instances where this Commission approved the 186 A. use of a regulatory asset to recover the costs of retired assets. In Kentucky Power 187 Company's ("KPC") Application seeking a Certificate of Public Convenience and 188 Necessity in connection with the transfer of a 50% interest in the Mitchell 189 Generating Station, the Commission approved provisions in a non-unanimous 190 stipulation authorizing KPC to recover retirement costs for the Big Sandy Unit 1 191 and Unit 2,⁹ including net book value and removal costs, on a levelized basis over 192 25 years.¹⁰ Subsequently, in KPC's 2014 general rate case, the Commission 193 approved the Big Sandy Retirement Rider.¹¹ 194 Additionally, the Commission approved Kenergy Corp.'s application to 195 establish a regulatory asset to recover the undepreciated balance of its electro-196 mechanical meters that were replaced by an Advanced Metering Infrastructure 197 system.¹² 198 199

⁹ In the Matter of Application Of Kentucky Power Company For (1) A Certificate Of Public Convenience And Necessity Authorizing The Transfer To The Company Of An Undivided Fifty Percent Interest In The Mitchell Generating Station And Associated Assets; (2) Approval Of The Assumption By Kentucky Power Company Of Certain Liabilities In Connection With The Transfer Of The Mitchell Generating Station; (3) Declaratory Rulings; (4) Deferral Of Costs Incurred In Connection With The Company's Efforts To Meet Federal Clean Air Act And Related Requirements; And (5) All Other Required Approvals And Relief, Case No. 2012-00578, Order (October 7, 2013), p. 43.

¹⁰ Id, Stipulation and Settlement Agreement (July 2, 2013), pp. 9-10.

¹¹ In the Matter of *Application Of Kentucky Power Company For: (1) A General Adjustment Of Its Rates For Electric Service; (2) An Order Approving Its 2014 Environmental Compliance Plan; (3) An Order Approving Its Tariffs And Riders; And (4) An Order Granting All Other Required Approvals And Relief,* Order (June 22, 2015), pp. 45-47.

¹² In the Matter of Request Of Kenergy Corp. For Approval To Establish A Regulatory Asset In The Amount Of \$3,884,717 Amortized Over A Ten (10) Year Period, Order (August 31, 2015).

Q. Are there any other issues to consider with respect to the early retirement of
 coal-fired resources and the recovery of undepreciated plant?

The carrying costs on the undepreciated balance of coal-fired resources in 202 A. a regulatory asset driven by early retirement dates could be very significant. One 203 potential tool that the Commonwealth of Kentucky might consider is the use of 204 205 securitized bonds to refinance the undepreciated plant balances. Generally, the securitization of undepreciated plant would need statutory authorization. 206 However, the cost of securitized bonds would likely be substantially less than the 207 208 utility regulated rate of return. The use of securitized bonds to refinance undepreciated plant could potentially help mitigate the rate impacts resulting from 209 210 accelerated coal plant retirements while still providing cost recovery for the utility. 211

212

213 Generator Outage Expense

Q. Please describe LG&E's proposal to recover costs related to generator outage expense in base rates.

A. LG&E's witness Lonnie Bellar explains that LG&E is proposing to
normalize outage expense using an 8-year average based on the average actual
outage expense for 2017, 2018, 2019, and 2020 through August, combined with
forecasted outage expense for the balance of 2020 through 2024. According to
Mr. Bellar, an 8-year average including actual and forecast expense is a more
accurate and reliable method of normalizing outage expense because major outage

222		maintenance is typically done in 8-year cycles, and because past maintenance
223		costs are not necessarily predictive of future maintenance costs. ¹³
224	Q.	Please describe LG&E's proposal regarding the use of regulatory asset and
225		liability accounting for generator outage expenses.
226	A.	In response to discovery, LG&E confirmed that it is proposing to continue
227		the use of regulatory asset and liability accounting for generator outage expenses.
228		According to the Company, this deferral accounting ensures LG&E may
229		ultimately collect, or will have to return to customers, through future base rates
230		any amounts that are above or below the average embedded in the electric
231		revenue requirement increases in these proceedings. ¹⁴
232	Q.	Does LG&E currently use regulatory asset and liability accounting for
232 233	Q.	
	Q. A.	Does LG&E currently use regulatory asset and liability accounting for
233	_	Does LG&E currently use regulatory asset and liability accounting for generator outage expenses?
233 234	_	Does LG&E currently use regulatory asset and liability accounting for generator outage expenses? Yes. Mr. Bellar explains that in settling LG&E's prior rate case, the
233 234 235	_	Does LG&E currently use regulatory asset and liability accounting for generator outage expenses? Yes. Mr. Bellar explains that in settling LG&E's prior rate case, the settling parties stipulated to the use of a 5-year historical average and the
233 234 235 236	_	Does LG&E currently use regulatory asset and liability accounting for generator outage expenses? Yes. Mr. Bellar explains that in settling LG&E's prior rate case, the settling parties stipulated to the use of a 5-year historical average and the continued use of regulatory asset and liability accounting for generator outage
233 234 235 236 237	_	Does LG&E currently use regulatory asset and liability accounting for generator outage expenses? Yes. Mr. Bellar explains that in settling LG&E's prior rate case, the settling parties stipulated to the use of a 5-year historical average and the continued use of regulatory asset and liability accounting for generator outage expense. ¹⁵ Similar regulatory asset and liability accounting treatment for

¹³ Direct Testimony of Lonnie E. Bellar, p. 23.
¹⁴ Response of Louisville Gas and Electric Company to First Requests for Information of the Kroger Co. Dated January 8, 2021, Question No. 9 (e), reproduced in Kroger Exhibit JB-1.

¹⁵ Direct Testimony of Lonnie E. Bellar, p. 23.

¹⁶ In the Matter of: Electronic Application of Louisville Gas and Electric Company for an Adjustment of its Electric Rates and for Certificates of Public Convenience and Necessity, Case No. 2016-00371, Stipulation and Recommendation (April 19, 2017), pp. 6-7.

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Q. What is your assessment of LG&E's proposal to continue the use of regulatory asset and liability accounting for generator outage expenses?

I recommend that the Commission deny LG&E's proposal to continue the 243 A. use of regulatory asset and liability accounting for generator outage expenses. 244 Performing generator outage maintenance work is a fundamental responsibility 245 246 for a utility that does not warrant guaranteed cost recovery. In carrying out this responsibility, utilities are entitled to an opportunity to recover their prudently 247 incurred costs. Allowing LG&E to continue the use of this accounting treatment 248 249 to guarantee cost recovery for all of its generator outage expense costs above the amount embedded in base rates reduces the Company's incentive to perform the 250 251 work as efficiently as possible to counterbalance potentially higher costs in other areas, or otherwise increase the utility's earnings. 252

Q. Are you recommending any other changes regarding the Company's generator outage expense?

A. I am not taking a position regarding the Company's proposal to normalize its generator outage expense using an 8-year average of actual and forecasted expense. Nor am I recommending any changes to the existing generator outage expense regulatory asset. My recommendation is specifically focused on the Company's proposal to continue deferred accounting treatment for future generator outage expenses above or below the amount that is approved to be embedded in base rates.

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264 Multi-site Aggregation Commercial Rate

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265 Q. Please explain multi-site rate aggregation.

266	A.	A multi-site commercial rate aggregation program would allow eligible
267		customers with multiple service locations to aggregate their demands for purposes
268		of power and transmission billing. For a multi-site aggregation program, the
269		billing demand is measured as the highest hourly demand occurring
270		simultaneously across each of a customer's participating locations, thereby
271		measuring billing demand for the totality of the customer's participating sites as if
272		it were a single load for billing purposes. This is described as conjunctive demand
273		billing and should only apply to a customer's generation and transmission service.
274		The distribution portion of the bill should be calculated using demand billing
275		determinants established separately at each location.
276	Q.	Why should the Company study a multi-site commercial rate aggregation
277		program?
278	A.	This type of aggregation properly allows a multi-site customer to capture
279		the diversity within its loads for billing purposes, specifically in the determination

281 entity for the purpose of measuring the amount of power and transmission service 282 provided to the customer, the customer's load is treated in a manner that is 283 comparable to the treatment of a single-site customer with the same aggregate 284 load shape. It is also comparable to the way the customer's load would be viewed 285 in a competitive market.

of billing demand. By treating the multiple loads of a single customer as a single

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O.

Why is it appropriate to apply a conjunctive demand rate to fixed generation and transmission costs as distinct from distribution costs?

A. Each facility owned by a multi-site customer causes unique distribution costs and therefore it is appropriate to recover those costs based on the peak demand of each individual facility. But that is not the case for fixed production and transmission costs. At the power supply and transmission level, it makes no difference whether 5 MW in a given hour is going to a single-site customer with a 5 MW load or to a multi-site customer with five facilities taking 1 MW each. The cost to produce and transmit the 5 MW in that hour is not materially different.

For a multi-site customer, it would not be unusual for each of its sites to be 295 peaking at a different hour in each month. Under the Company's current rate 296 structures, this means that the customer's cumulative billing demand for fixed 297 production costs would exceed the customer's actual aggregated peak demand 298 299 measured on an hour-by-hour basis (as if it were a single-site customer). In other words, under the current rate structure, the multi-site customer might be billed for 300 5.5 MW of fixed production demand based on the sum of the individual peaks of 301 302 each of its sites (occurring at different hours), whereas in fact, the customer's actual aggregate demand for fixed production demand in any hour might be no 303 greater than 5 MW. A conjunctive demand rate can correct for this upward bias 304 305 in the billing demand that would otherwise be charged to a multi-site customer by aggregating the customer's billing demands for peak demand measurement 306 307 purposes. With the proper metering in place, this correction simply charges 308 multi-site customers for the fixed production service that they actually use and

places them on an equal footing with single-site customers. Under a welldesigned conjunctive demand rate, a multi-site customer that has the same
aggregate demand for power supply as a single-site customer pays exactly the
same rate and dollar amount for power supply as that single-site customer.

Q. With a multi-site customer rate, would a commercial customer be allowed to
 aggregate smaller loads onto a different rate schedule designed for larger
 loads?

316A.No, I am not proposing an aggregation program that would allow smaller317aggregated loads to qualify for a different rate schedule, but rather simply to318better measure the aggregated customer's demand for generation and transmission319billing purposes. For example, a customer with five separate sites, each with a320maximum billing demand of 100 kW that is currently being billed on the PS321Power Service rate, would not be eligible to be billed at the TODS Time of Day322Secondary rates designed for customers with loads over 250 kVA.

323 Q. Are you aware of any well-designed multi-site customer rates?

A. Yes. Consumers Energy in Michigan has such a rate, called the Aggregate Peak Demand Service Provision.¹⁷ This program is available to any customer with 7 accounts or more who desires to aggregate its On-Peak Billing Demands for power supply billing purposes. To be eligible, each account must have a minimum average On-Peak Billing Demand of 250 kW. The aggregated accounts are billed under the same rate schedule and service provisions that apply to the

¹⁷ See Sheet D-63.00 at https://www.michigan.gov/documents/mpsc/Consumers_14_current_675992_7.pdf.

330		individual sites, with the aggregate maximum capacity to all customers limited to
331		200,000 kW.
332		Puget Sound Energy also has a pilot program that was recently approved
333		by the Washington Utilities and Transportation Commission that would allow
334		eligible customers with multiple service locations to aggregate their demands for
335		purposes of power and transmission billing. ¹⁸
336	Q.	What is your recommendation regarding a multi-site commercial
337		aggregation rate?
338	A.	I recommend that the Commission order LG&E to study and propose a
339		conjunctive billing demand pilot program in its next general rate case.
340	Q.	Does this conclude your direct testimony?

¹⁸ See sheet 26-B at file:///C:/Users/jbieber/Downloads/elec_sch_026.pdf.

VERIFICATION

STATE OF UTAH)) COUNTY OF SALT LAKE)

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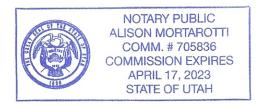
The undersigned, **Justin Bieber**, being duly sworn, deposes and says that he is a Senior Consultant in the firm of Energy Strategies, LLC, that he has personal knowledge of the matters set forth in the foregoing testimony and exhibits, and that the answers contained therein are true and correct to the best of his information, knowledge and belief.

ustin Biebe

Subscribed and sworn to before me this $\frac{5}{2023}$ day of March, 2021, by Justin Bieber. My commission expires: $\frac{4/17/2023}{2023}$

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[SEAL]



Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 1 of 13

Case No. 2020-00350

Exhibit JB-1

Louisville Gas and Electric Company Responses to Data Requests Referenced in Testimony

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to First Requests for Information of the Kroger Company Dated January 8, 2021

Case No. 2020-00350

Question No. 9

Responding Witness: Christopher M. Garrett

- Q-9. With respect to LG&E's Application, please refer to the Direct Testimony of Lonnie E. Bellar, page 23. "[T]he Companies propose to use average actual outage expense for 2017, 2018, 2019, and 2020 through August, combined with forecasted outage expense for the balance of 2020 through 2024. This approach has the effect of increasing expense associated with outage maintenance, but will ultimately be more accurate than 5-year historical average and will reduce the need to recover past outage expense in future rate increases through regulatory accounting."
 - a. Please provide LG&E's actual and forecasted outage expense for the proposed 8 year period.
 - b. Please provide LG&E's actual outage expense for 2012, 2013, 2014, 2015, and 2016.
 - c. Please explain in detail the reasons why this proposed approach will increase expense relative to using the 5-year historical average.
 - d. Do the Companies believe that the stipulation from the 2018 rate case that allowed it to continue the use of regulatory asset and liability accounting for generator outage expense sets a precedent to continue to use the same accounting treatment in this case? Please explain why or why not.
 - e. Please explain why the Companies believe it is appropriate to continue the use of regulatory asset and liability accounting for generator outage expense in this case.

A-9.

- a. See the response to AG-KIUC 1-38.
- b. See attached.
- c. A 5-year historical average for outage maintenance expense is inappropriate to use as a predictor of future outage expense. Major overhauls typically

Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 3 of 13

occur about every eight years, depending on the type of generating unit and the condition of the unit as assessed through regular inspections and monitoring. Yearly outage expense for a particular unit will vary depending on when a major overhaul is performed, among other factors. Outage expense may be lower in the years following a major overhaul, and higher as a unit approaches its next major inspection. A five-year historical average does not account for those variations and an 8-year cycle more accurately reflects the aforementioned variations. Additionally, the 5-year historical average utilized in the previous case did not capture outage expense for the Cane Run 7 (CR7) Combined Cycle Gas Turbine unit, commissioned in 2015. An 8year average also incorporates market conditions associated with the contracting skilled labor and materials market for coal-fired units.

d. The Stipulation and Recommendation approved by the Commission in Case Nos. 2018-00294 and -00295 contains section 1.2 (F), Five-Year Historical Average for Generator Outage Expenses; Related Use of Regulatory Accounting, which states as follows:

> The Parties stipulate to the use of a five-year historical average of generator outage expenses in the Utilities' stipulated amounts provided in Section 1.1, which reduces the Utilities' proposed electric revenue requirement increases as set forth in their applications by \$6.73 million for KU and \$ 1.78 million for LG&E. Relatedly, the Parties stipulate and recommend Commission approval of the Utilities continuing use of regulatory asset and liability accounting related to generator outage expenses that are greater or less than the updated amount to be included in base rates. This regulatory accounting will ensure the Utilities may collect, or will have to return to customers, through future base rates any amounts that are above or below the base rate base line average embedded in the electric revenue requirement increases in these proceedings.

Comparable language is also contained in Section 2.2(F) in the Stipulation and Recommendation approved by the Commission in Case Nos. 2016-00370 and -00371. If the Commission should order in this case that such normalization be discontinued and use forecast test year expense for ratemaking purposes, it would not be reasonable or lawful to deny the Companies' full cost recovery via amortization of past under-collections under the normalization methodology agreed to and approved by the Commission in the previous four rate cases. The Companies only agreed in the context of a settlement to the incorporation into rates of the artificially low 5-year historic average in the 2018 rate cases based on the cost recovery provided for under the agreed-upon and approved methodology. The Companies' rebuttal testimony demonstrated the historic projections were unreasonable low projections of the expected outages. Actual results have confirmed that position. The true-up in the normalization methodology made it a cash flow timing issue only and not a permanent loss of cost recovery. It is not appropriate to "undo" prior settlement provisions agreed to by all parties unless the modification is also agreed to by all parties and approved by the Commission.²

e. The Companies believe it is appropriate to continue the use of regulatory asset and liability accounting for generator outage expenses for the reasons set forth in Mr. Bellar's testimony. Generator outage expenses can fluctuate significantly from year to year; major outages typically occur on an eight-year cycle. Normalization provides a smoothing of what is a cyclical expense – essentially treating it like a capital expense and spreading it over an eightyear period. Use of the forecast test year expense rather than a normalized level in this case would result in general the same combined plant outage cost of about \$43 million; however, that is not the case by utility due to the cyclical nature of this type of expense. Past maintenance costs are not necessarily a reasonable estimate of future maintenance costs. Deferral accounting ensures the Companies ultimately may collect, or will have to return to customers, through future base rates any amounts that are above or below the average embedded in the electric revenue requirement increases in these proceedings.³

² Electronic Application of Kentucky Power Company for (1) A General Adjustment of Its Rates for Electric Service; (2) an Order Approving Its 2017 Environmental Compliance Plan; (3) An Order Approving Its Tariffs and Riders; (4) An Order Approving Accounting Practices to Establish Regulatory Assets and Liabilities; and (5) An Order Granting All Other Required Approvals and Relief, Case No. 2017-00179, Order at 5-6, 7-8 (Ky. PSC June 28, 2018); Electronic Application of Kentucky Power Company for (1) A General Adjustment of Its Rates for Electric Service; (2) Approval of Tariffs and Riders; (3) Approval of Accounting Practices to Establish Regulatory Assets and Liabilities; (4) Approval of a Certificate of Public Convenience and Necessity; and (5) All Other Required Approvals and Relief, Case No. 2020-00174, Order at 28-30 (Ky. PSC Jan. 13, 2021).

³ Case No. 2016-00370 and Case No. 2016-00371, Stipulation and Recommendation, Article II, Section 2.2(F) (Ky. PSC Apr. 19, 2017).

Case No. 2020-00350	Attachment to Response to Kroger-1 Question No. 9b	1 of 2	Garrett

<u>LG&E</u> Outage - Not normalized	C and	2012	2013	2014	2015	2016
0301 - TRIMBLE COUNTY COMMON-GENERATION	510	S 130.065	S Actual	S Actual	S	S
	511		•	1	•	,
	512	9,114	ı		I	
	513 514	(5,985)				
0311 - TRIMBLE COUNTY 1 - GENERATION	510	117,774	111,518	069'66		
	511	I	6,261	I	2,327	(987)
	512	(88,130)	945,856	4,464	2,192,311	86,660
	515 514	40,0/0	142,810	11,994	300,1/4 -	6,218
0321 - TRIMBLE COUNTY 2 - GENERATION	510			46,072		66,543
	511	- 00			727	- 000
	513	96.893	333	231,445 45.075	131,801 37.244	223.707
0401 - LGE GENERATION - COMMON	510	37,059	113,441	(213,381)	(90,334)	(7,152)
	513					
0101 - CANE RUN COMMON - GENERATION ⁽¹⁾	510	2,938	1	1	1	1
0141 - CANE PLIN 4 - GENED ATION ^(I)	CTC					
	510	430.916				
	511	2,399	I	ı	I	
	512	3,187,195	120,277	468,671	I	
	513	1,931,469	38,394	83,706		
0151 - CANE BUN 5 - GENED ATION ^(I)	110					
NOTIVER VON - CONDUCTION	511					
	512		955,239	264,620	ı	
	513		217,596	58,038		
e	514					
0161 - CANE RUN 6 - GENERATION ^{U)}	510	135,247		-		
	512	1.464.703	319.077	589.175	707	
	513	362,821	204,896	229,866	394	
0211 - MILL CREEK 1 - GENERATION	510		278,017	-	426,475	
	110	- 60.410	10,987	- 00 155	-	100.020
	512	3 050	3 081 978	16 606	734 337	125 463
	514	000°C	-			
0221 - MILL CREEK 2 - GENERATION	510	371,958	9,956		394,549	
	110		- 1 /00			-
	513	2,842,160 3.038.156	1,688 2.834	235.191	1,903,504	1,768,972
	514					
0231 - MILL CREEK 3 - GENERATION	510		338,409	283,456	-	112,896
	512	250.232	3.252.673	- 34.968	327.318	2.942.769
	513	172,253	659,233	20,126	124,442	1,775,339
AAAAA XAXXX OODUNTA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	514		124		1 0 0	-
0241 - MILL CREEK 4 - GENERATION	510			182,368	162,660	252,274
	512	2,201,066	1,167,712	3,003,378	382,445	2,702,899
	513	684,484	124,182	3,756,372	123,461	574,125
	514				1 00 00	
01/2 - CANE KUN CC GI 2016	551 551		I	I	10,001	4,276
	552		I	I	1,631	21,191
	553				43,139	219,940
of molara private 1000	554		-		18,166	68,835
0451 - FAUDYS KUN GI 12	ccc		C58,12			

Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 5 of 13 Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 6 of 13

LG&E Outage - Not normalized		2012	2013	2014	2015	2016
Unit	FERC	Actual	Actual	Actual	Actual	Actual
	554					
0432 - PADDYS RUN GT 13	553	(5,967)	43,835	99,436	57,388	76,976
	554		409			
0474 - TRIMBLE COUNTY #7 COMBUSTION TURBINE	553		-	-	737	
5635 - E W BROWN COMBUSTION TURBINE UNIT 5	553					
	554				15,726	
5636 - E W BROWN COMBUSTION TURBINE UNIT 6	551	-	-	-		
	552					
	553	10,051	16,232	44,418	12,786	4,560
	554					
5637 - E W BROWN COMBUSTION TURBINE UNIT 7	553	91,402	(24,548)	91,942	(43,973)	20,726
	554					
Total		S 17,680,158	17,680,158 \$ 14,706,633 \$ 12,113,341 \$ 9,428,840 \$	s 12,113,341	S 9,428,840	s 12,895,303

(1) Cane Run units 4, 5 and 6 were retired in 2015.

Case No. 2020-00350 Attachment to Response to Kroger-1 Question No. 9b 2 of 2 Garrett Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 7 of 13

LOUISVILLE GAS AND ELECTRIC COMPANY

Response to Second Requests for Information of the Kroger Company Dated February 5, 2021

Case No. 2020-00350

Question No. 7

Responding Witness: Kent W. Blake

- Q-7. Refer to the Direct Testimony of Kent Blake, page 21, "the changes in depreciation rates for the Companies' coal-fired generation units recommended by Mr. Spanos and included in the Companies' requested revenue increase added \$48.3 million for KU and \$59.2 million for LG&E Electric."
 - a. Please explain in detail how LG&E's proposed revenue requirement in this case would change if the depreciation rates for the Companies' remaining coal-fired generation units were not updated to reflect different retirement dates in this proceeding.
 - i. Please provide all relevant workpapers, in excel format, with working formulas included.
 - b. Please provide a detailed breakdown of the resulting impacts to depreciation expense, income tax expense, property tax expense, rate base, and the return on rate base/capitalization.
 - i. Please provide the depreciation expense for each month of the test year that would result if the depreciation rates for the coal-fired generation units are not updated in this proceeding.
 - ii. Please identify the change in income tax expense for each month of the test year that would result if the depreciation rates for the coal-fired generation units are not updated in this proceeding.
 - iii. Please identify the change in property tax expense for each month of the test year that would result if the depreciation rates for the coal-fired generation units are not updated in this proceeding.
 - iv. Please identify the changes to accumulated depreciation and accumulated deferred income tax for each month of the test year that would result if the depreciation rates for the coal-fired generation units are not updated in this proceeding.

- v. Please identify the change in return on rate base for each month of the test year that would result if the depreciation rates for the coal-fired generation units are not updated in this proceeding.
- vi. Please identify the change in return on capitalization for each month of the test year that would result if the depreciation rates for the coal-fired generation units are not updated in this proceeding.
- c. If the resulting impact to LG&E's revenue requirement is different than \$59.2 million, as indicated by Mr. Blake, please explain in detail the reasons for this difference.

A-7.

- a. The Companies do not agree with the premise of the requested calculation but are providing it to be responsive to the request. See attachment being provided in Excel format.
 - i. See attachment being provided in Excel format.
- b.
- i. See attachment being provided in Excel format.
- ii. See attachment being provided in Excel format. The Company is providing a simplified presentation for the income tax impacts to avoid having to tax effect the net operating income adjustments (excluding excess ADIT) only to then gross-up those same adjustments for the revenue requirement impact.
- iii. See attachment being provided in Excel format.
- iv. See attachment being provided in Excel format.
- v. See attachment being provided in Excel format.
- vi. See attachment being provided in Excel format.
- c. For simplicity, the \$59.2 million included in the testimony of Mr. Blake referred only to the impact of the rate change on depreciation expense. The other revenue requirement effects detailed in the attachment to this response were reflected within the other drivers discussed in that testimony including the noted changes in capitalization, property taxes and income taxes.

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Louisville Gas and Electric Company Forecasted Test Year Ended June 30, 2022 \$ millions

Impact of Not Updating Steam Depreciation Rates

															13 Month
Rate Base/Capitalization	Ref.	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Average
Jurisdictional Accumulated Depreciation	b. iv	-	4.751	9.518	14.296	19.043	24.097	29.159	34.264	39.395	44.499	49.534	54.401	59.179	29.395
ADIT Change @ Statutory 24.95%	b. iv	-	(1.185)	(2.375)	(3.567)	(4.751)	(6.012)	(7.275)	(8.549)	(9.829)	(11.103)	(12.359)	(13.573)	(14.765)	(5.471) Prorata ADIT
Jurisdictional Reg Liab Change - Excess ADIT Amort.			(0.384)	(0.768)	(1.152)	(1.536)	(1.920)	(2.303)	(2.725)	(3.147)	(3.568)	(3.990)	(4.411)	(4.833)	(1.751) Prorata ADIT
KY Jurisdictional Capitalization Adjustment	-	-	3.182	6.376	9.578	12.756	16.165	19.581	22.990	26.420	29.828	33.185	36.417	39.581	23.924
Grossed-Up Rate of Return															8.97%
Rate Base/Capitalization Revenue Requirement Adjustment	b. v/vi		0.027	0.053	0.080	0.107	0.135	0.164	0.193	0.221	0.250	0.278	0.305	0.332	2.146
Net Operating Income			Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Total
Excess ADIT Amortization Adjustment			0.384	0.384	0.384	0.384	0.384	0.384	0.422	0.422	0.422	0.422	0.422	0.422	4.833
Gross-up Factor - Schedule H			1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837	1.337837
Excess ADIT Revenue Requirement Adjustment	b. ii		0.514	0.514	0.514	0.514	0.514	0.514	0.564	0.564	0.564	0.564	0.564	0.564	6.466
Steam Rate Depreciation Adjustment			(4.751)	(4.767)	(4.778)	(4.747)	(5.054)	(5.062)	(5.105)	(5.131)	(5.104)	(5.035)	(4.867)	(4.778)	(59.179)
Property Tax Adjustment at 0.15% Production Rate	b. iii		-	-	-	-	-	-	0.004	0.004	0.004	0.004	0.004	0.004	0.022
Net Operating Income Revenue Requirement Adjustment			(4.237)	(4.254)	(4.264)	(4.234)	(4.540)	(4.549)	(4.537)	(4.563)	(4.536)	(4.467)	(4.300)	(4.210)	(52.692)
Total Revenue Requirement Adjustment			(4.211)	(4.200)	(4.184)	(4.127)	(4.404)	(4.385)	(4.345)	(4.342)	(4.286)	(4.189)	(3.995)	(3.879)	(50.546)
Depreciation Expense included in Test Year	b. i		18.027	18.026	18.064	18.151	17.928	18.099	18.163	18.126	18.157	18.242	18.418	18.542	217.943

Note: The excess ADIT adjustment in this calculation is using the existing amortization methodology, which inlcudes Cost of Removal (COR) components. We are addressing the change to excess ADIT associated with COR per PLR 202033002 in response to AG-KIUC DR2 Q-8(g).

Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 10 of 13

Louisville Gas & Electric

Non-Mech Jurisdictional Depreciation and Amortization Included in Test Year Ended June 2022:	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Total
Total Depreciation and Amortization Expense per Schedule C-2.2F	24.1	24.2	24.2	24.3	24.5	24.7	24.8	24.8	24.8	24.8	24.8	24.8	294.8
Times: Depreciation and Amortization Jurisdictional Factor on Schedule C-2.1F	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Subtotal Depreciation and Amortization	24.1	24.2	24.2	24.3	24.5	24.7	24.8	24.8	24.8	24.8	24.8	24.8	294.8
Less: DSM Depreciation per "Rider Adj F" tab of Schedule C	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(1.1)
Less: ECR Depreciation per "Rider Adj F" tab of Schedule C	(1.3)	(1.3)	(1.3)	(1.3)	(1.4)	(1.4)	(1.4)	(1.4)	(1.4)	(1.4)	(1.4)	(1.4)	(16.6)
Jurisdictional Depreciation and Amortization Expense net of Mechanism per C-2.1F	22.8	22.8	22.8	22.9	23.0	23.2	23.3	23.3	23.3	23.3	23.3	23.3	277.1
Non-Mech Jurisdictional Depreciation and Amortization Included in Test Year Ended April 2020:													
Total Depreciation and Amortization Expense per Schedule C-2.2F	18.1	18.2	18.2	18.3	18.3	18.3	18.4	18.6	18.7	18.7	18.7	18.8	221.5
Times: Depreciation and Amortization Jurisdictional Factor on Schedule C-2.1F	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Subtotal Depreciation and Amortization	18.1	18.2	18.2	18.3	18.3	18.3	18.4	18.6	18.7	18.7	18.7	18.8	221.5
Less: DSM Depreciation per "Rider Adj F" tab of Schedule C	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)	(1.0)
Less: ECR Depreciation per "Rider Adj F" tab of Schedule C	(5.3)	(5.3)	(5.3)	(5.3)	(5.3)	(5.3)	(5.4)	(5.4)	(5.5)	(5.5)	(5.5)	(5.5)	(64.7)
Jurisdictional Depreciation and Amortization Expense net of Mechanism as Filed per C-2.1F	12.7	12.8	12.8	12.9	12.9	12.9	13.0	13.1	13.2	13.2	13.2	13.2	155.8
Less: Depreciation Stipulation Adjustments	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(0.4)	(4.8)
Jurisdictional Depreciation and Amortization Expense net of Mechanism	12.3	12.4	12.4	12.5	12.5	12.5	12.6	12.7	12.8	12.7	12.8	12.8	151.0
Total Change in Depreciation and Amortization Expense between Test Years	10.5	10.4	10.4	10.4	10.5	10.6	10.7	10.6	10.5	10.5	10.5	10.5	126.2
Remove Terminated ECR at Current Depreciation Rates:													
Terminated ECR Depreciation	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	56.1
ECR Jurisdictional Factor	99.7%	99.4%	99.2%	100.0%	93.4%	93.1%	92.3%	91.7%	92.2%	93.7%	97.3%	99.3%	96.0%
Jurisdictional ECR Depreciation Terminated into Base Rates	4.7	4.6	4.6	4.7	4.4	4.4	4.3	4.3	4.3	4.4	4.6	4.6	53.8
Remove Change in Balances from Test Year to Test Year													
Jurisdictional Depreciation and Amortization per UI with no termination and no depreciation rate increase	13.4	13.4	13.4	13.5	13.6	13.7	13.8	13.8	13.8	13.9	13.9	13.9	164.1
Jurisdictional Depreciation and Amortization included in Test Year Ended April 2020 from Above	12.3	12.4	12.4	12.5	12.5	12.5	12.6	12.7	12.8	12.7	12.8	12.8	151.0
Change in Balances from Test Year to Test Year	1.1	1.0	1.0	1.0	1.1	1.2	1.3	1.2	1.1	1.1	1.1	1.1	13.1
Change in Jurisdictional Depreciation Related to Change in Depreciation Rates	4.8	4.8	4.8	4.7	5.1	5.1	5.1	5.1	5.1	5.0	4.9	4.8	59.2

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Jurisdictional ADIT on Book Depreciation Change \$ dollars

Prorata ADIT Calculation

Projected Accumulated Deferred Taxes at June 30,	2021			\$ -
Projected Accumulated Deferred Taxes at June 30,	2022			 (14,765,277)
Decrease in Accumulated Deferred Taxes for the fo	orward yea	ar		\$ (14,765,277)
Balance June 30, 2021	<u>Quarte</u>	erly Decrease	<u>Proration</u>	\$ 0
July 1- September 30, 2021	\$	(3,566,903)	273/365	(2,667,848)
October 1- December 31, 2021		(3,708,382)	181/365	(1,838,951)
January 1- March 31, 2022		(3,827,302)	91/365	(954,204)
April 1- June 30, 2022		(3,662,690)	1/365	 (10,035)
Pro rata Balance June 30, 2022				\$ (5,471,038)

Case No. 2020-00350 Attachment to Response to Kroger-2 Question No. 7 Page 3 of 5 Blake

Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 12 of 13

Excess Deferred Tax Analysis

\$ dollars

2021 July to December 2022 January to June Test Year NOL Deficient Amortization Forecasted Test Period ending 6/30/22	Louisville Gas and ARAM Excess Deferred Tax As-Filed 9,099,878 8,578,614 (889,564 16,788,928	5,914,413) (620,409)	Difference (2,438,052) (2,664,201) 269,155 (4,833,098)	Louisville Gas a ARAM Excess Deferred Tax As-Filed 8,281,381 7,866,635 (851,842) 15,296,174	and Electric Compan ARAM Excess Deferred Tax Remove Depr Incr 5,843,329 5,202,434 (582,687) 10,463,076	<u>y - Electric</u> Difference (2,438,052) (2,664,201) 269,155 (4,833,098)	ARAM Excess Deferred Tax	and Electric Compa ARAM Excess Deferred Tax Remove Depr Incr 818,497 711,979 (37,722) 1,492,754	Difference - - - - - -
Prorata ADIT Calculation									
Projected Accumulated Deferred Taxes at	June 30, 2021		\$-			\$-			\$-
Projected Accumulated Deferred Taxes at	June 30, 2022		(4,833,098)		-	(4,833,098)		-	0
Decrease in Accumulated Deferred Taxes	for the forward year	-	\$ (4,833,098)		=	\$ (4,833,098)		=	<u>\$</u>
Balance June 30, 2021	Quarterly Decrease	<u>Proration</u>	0 \$ -	Quarterly Decrease	<u>Proration</u>	0 \$ -	Quarterly Decrease	Proration	0 \$ -
July 1- September 30, 2021	\$ (1,151,737) 273/365	(861,436)	\$ (1,151,737)	273/365	(861,436)	\$-	273/365	0
October 1- December 31, 2021	(1,151,737) 181/365	(571,136)	(1,151,737)	181/365	(571,136)	0	181/365	0
January 1- March 31, 2022	(1,264,812) 91/365	(315,337)	(1,264,812)	91/365	(315,337)	0	91/365	0
April 1- June 30, 2022	(1,264,812) 1/365	(3,465)	(1,264,812)	1/365	(3,465)	0	1/365	0
Pro rata Balance June 30, 2022		-	\$ (1,751,374)		=	\$ (1,751,374)		=	\$ -

KY Jurisdication Factor used for Excess

Kroger Exhibit JB-1 Case No. 2020-00350 Witness: Justin Bieber Page 13 of 13

Jul 2021 Aug 2021 Sep 2021 Oct 2021 Nov 2021 Dec 2021 Jan 2022 Feb 2022 Mar 2022 Apr 2022 May 2022 Jun 2022

LGE_ECR												
Total Jurisdiction Revenue	106.9	106.3	91.0	80.1	77.4	83.9	88.7	81.5	80.1	75.1	85.1	96.3
ECR Jurisdictional Denominator (less Tracker revenue-add back CSR)	107.2	106.9	91.7	80.2	82.9	90.1	96.0	88.8	86.8	80.1	87.5	97.0
ECR Jurisdictional Factor	99.7%	99.4%	99.2%	100.0%	93.4%	93.1%	92.3%	91.7%	92.2%	93.7%	97.3%	99.3%
ECR Project Depreciation: 2009 plan - Terminating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ECR Project Depreciation: 2011 plan - Terminating	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
ECR Project Depreciation: 2016 Plan - Terminating	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0