

780 N. Commercial Street P.O. Box 330 Manchester, NH 03105-0330

Jessica Chiavara Counsel

Cell: 315-313-3264 jessica.chiavara@eversource.com

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Via electronic mail only

Diane Martin, Chair New Hampshire Public Utilities Commission 21 South Fruit Street, Suite 10 Concord, NH 03301-2429

RE: Docket No. DE 20-170

Public Service Company of New Hampshire d/b/a Eversource Energy Request to remove make-ready and demand charge alternative proposals from DE 21-078 to DE 20-170

Chair Martin:

On April 15, 2021, pursuant to the Commission's Order No. 26,433 issued on December 15, 2020 in Docket No. DE 19-057 (Order Approving Settlement Agreement and Permanent Rates) and Puc 203.02, Public Service Company of New Hampshire d/b/a Eversource Energy ("Eversource" or "the Company") submitted proposals for electric vehicle ("EV") make-ready infrastructure, and a demand charge alternative (high-demand draw) rate for the New Hampshire Public Utilities Commission's ("Commission") consideration. The Commission subsequently opened Docket No. DE 21-078 for consideration of those proposals.

At this time Eversource, with the agreement of all intervening parties to Docket No. DE 20-170, many if not all of whom would be intervening parties in Docket No. DE 21-078, asserts that these proposals are more appropriately considered and evaluated in the instant docket to be consistent with the Commission's directive in Order No. 26,486 and maximize administrative efficiency. The New Hampshire Department of Energy ("DOE") staff suggests that if the two proposals were to be moved to this docket, that the demand charge alternative be addressed with the other proposals of this docket, while the make-ready be held to be addressed in a second phase of the docket after the rest of the proposals have been adjudicated. Eversource sees this approach as inconsistent with the intent of Commission Order No. 26,486, and less administratively efficient than the Company's suggested approach.

Order No. 26,486 (the "Order"), issued in Unitil's current rate case, Docket No. DE 21-030, directed modification of the procedural schedule in the instant docket, noting that the Commission was "concerned about the potential for inconsistent policies adopted through a single utility's rate case while a separate generic investigation proceeds on the same basic issues." (Order at 6-7). Therefore the Commission directed the modification of the procedural schedule in this docket to resolve all EV proposals in this docket prior to hearings in Unitil's rate case so that such resolution on the issues from this docket may inform the Commission's analysis of Unitil's EV proposals, ultimately resulting in comprehensive analysis and resolution of all EV proposals statewide.

Unitil has proposed in its rate case both EV high-demand draw and make-ready infrastructure proposals—the same two types of proposals Eversource has awaiting consideration in Docket No. DE 21-078. Following the Commission's logic to have all EV proposals resolved prior to Unitil's rate case hearings to best inform the Commission, it would be consistent with the intent of the Order to have the proposals in Docket No. DE 21-078 moved to the instant docket.

The Company notes that the Commission just issued an Order of Notice for Docket No. DE 21-078 on August 10, so it is possible that the make-ready and demand charge alternatives might be considered prior to Unitil's rate case hearings, though given the existing procedural schedule, that is unlikely. But even if such consideration were to transpire before Unitil's rate case hearings, moving the two proposals from Docket No. DE 21-078 would still be a better course of action as it will create substantial administrative efficiency because all EV proposal analysis will be undertaken in one docket rather than two. The parties to Docket Nos. DE 20-170 and 21-078 will almost entirely overlap, including the staffs of Eversource and the DOE and keeping these dockets separate will effectively double the resources required from all parties. This increase in resources is avoidable without affecting any party's due process rights by adding all proposals to the instant docket.

The Company does note that EV make-ready infrastructure proposals were not included as a part of the Commission's Order of Notice in this docket, though there is certainly issue overlap and justification for including such a proposal as discussed above. To ensure proper due process for all parties to both dockets and the public, Eversource requests that along with moving all proposals to this docket, the Commission also issue a Supplemental Order of Notice in this docket announcing the addition of the two Eversource proposals.

The Company has attached the two proposals in Docket No. DE 21-078 for filing to this docket, reiterates its request that these two proposals be added for consideration in the instant proceeding, and requests the Commission close Docket No. DE 21-078. Please contact me should there be any questions concerning this matter. Consistent with current Commission policy, this filing will be made electronically only.

Regards. Jessica A. Chiavara

Counsel, Eversource Energy

Attachments cc: 20-170 and 21-078 Service Lists

THE STATE OF NEW HAMPSHIRE BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

JOINT TESTIMONY OF EDWARD A. DAVIS, BRIAN J. RICE

AND KEVIN M. BOUGHAN

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY

ELECTRIC VEHICLE PUBLIC CHARGING MAKE-READY INFRASTRUCTURE AND DEMAND CHARGER ALTERNATIVE PROPOSAL

Docket No. DE 19-057

1	Q.	Mr. Davis, please state your name, business address and position.
2	A.	My name is Edward A. Davis. My business address is 107 Selden Street, Berlin, CT
3		06037. My position is Director, Rates at Eversource Energy Service Company and in that
4		position I provide service to the operating companies of Eversource Energy including
5		Public Service Company of New Hampshire d/b/a Eversource Energy ("Eversource" or
6		"the Company").
7	Q.	Have you previously testified before the New Hampshire Public Utilities
8		Commission?
9	A.	Yes. I have on many occasions testified before the New Hampshire Public Utilities
10		Commission ("Commission") on behalf of Eversource, and at the state utility

1		commissions in Connecticut and Massachusetts on behalf of other Eversource Energy
2		affiliates on rate related matters.
3	Q.	Please describe your educational background and professional experience.
4	A.	I graduated from the University of Hartford with a Bachelor of Science degree in
5		Electrical Engineering in 1988 and from the University of Connecticut with a Master of
6		Business Administration in 1997. I joined Northeast Utilities, now Eversource Energy, in
7		1979 and have held various positions in the areas of consumer economics, engineering
8		and operations, wholesale and retail marketing and rate design, regulation and
9		administration.
10	Q.	Mr. Rice, please state your name, business address and position.
11	A.	My name is Brian J. Rice. My business address is 247 Station Drive, Westwood, MA
11 12	A.	My name is Brian J. Rice. My business address is 247 Station Drive, Westwood, MA 02090. My position is Manager, Regulatory Projects at Eversource Energy Service
	A.	
12	A.	02090. My position is Manager, Regulatory Projects at Eversource Energy Service
12 13	А. Q .	02090. My position is Manager, Regulatory Projects at Eversource Energy Service Company and in that position I provide service to the operating companies of Eversource
12 13 14		02090. My position is Manager, Regulatory Projects at Eversource Energy Service Company and in that position I provide service to the operating companies of Eversource Energy including the Company.
12 13 14 15	Q.	02090. My position is Manager, Regulatory Projects at Eversource Energy Service Company and in that position I provide service to the operating companies of Eversource Energy including the Company. Have you previously testified before the Commission?
12 13 14 15 16	Q.	02090. My position is Manager, Regulatory Projects at Eversource Energy Service Company and in that position I provide service to the operating companies of Eversource Energy including the Company. Have you previously testified before the Commission? No, but I've submitted testimony pertaining to development of utility Low-Moderate

several proceedings related to utility program design, revenue requirements and cost
 recovery.

3 Q. Please describe your educational background and professional experience.

- A. I graduated from Union College in Schenectady, NY in 2004 with a Bachelor of Science
 degree in Industrial Economics and received a Master of Business Administration degree
 with a concentration in corporate finance in 2011 from the Boston College Carroll
 Graduate School of Management in Chestnut Hill, Massachusetts. I've held positions in
 different functions at Eversource since 2011. My present responsibilities include
 managing analysis and projects in support of enterprise-wide regulatory initiatives across
 Eversource's operating businesses. Prior to joining Eversource I held consulting
- 11 positions covering various segments of the energy and utility industries.

12 Q. Mr. Boughan, please state your name, business address and position.

- 13 A. My name is Kevin M. Boughan. My business address is 107 Selden Street, Berlin, CT
- 14 06037. My position is Manager, Research and Business Development at Eversource
- 15 Energy Service Company and in that position I provide service to the operating
- 16 companies of Eversource Energy including the Company.
- 17 Q. Have you previously testified before the Commission?
- A. No. However, I have testified before the Massachusetts Department of Public Utilities
 and Connecticut Public Utilities Regulatory Authority in several proceedings related to

utility electric vehicle ("EV") infrastructure program design, cost recovery, and EV
 specific rates.

3 Q. Please describe your educational background and professional experience.

I graduated from Davidson College in 1997 with a Bachelor of Arts degree in History. In 4 A. $\mathbf{5}$ 2006 I earned a Master of Business Administration from Yale School of Management with 6 a concentration in marketing and strategy. From 2006 to 2017 I held several positions at Praxair, Inc., an industrial gases company in Danbury, Connecticut, in strategy and energy $\overline{7}$ 8 business development, ending my tenure in the position of Director, Global Market Strategy and Competitive Assessment. My experience includes evaluating and 9 10 commercializing new energy products, auditing internal and project controls, evaluating 11 management strategy and advising on corporate acquisitions. In 2017, I left my position at Praxair, Inc. to join Eversource Energy as Manager, Research & Business Development 12in the Strategic Planning group, where I am responsible for development strategies 1314including the development of EV charging programs across Eversource Energy.

15

Q.

What is the purpose of this testimony?

A. The purpose of our testimony is to describe the Company's proposal for make-ready
investments supporting EV charging infrastructure in New Hampshire and a proposal for
an alternative to demand charges for EV charging rates. Eversource is filing these
proposals pursuant to the Settlement Agreement on Permanent Distribution Rates
approved by the Commission in Docket No. DE 19-057. Eversource originally proposed
a \$2.0M investment for a public-private partnership to develop an EV fast charging
corridor for New Hampshire within the Company's petition for permanent rates in

1	Docket No. DE 19-057. As part of the approved Settlement Agreement in the docket, the
2	Company agreed to separately file a proposal for make-ready investments supporting
3	electric vehicle charging infrastructure in New Hampshire and request that the
4	Commission open a new docket to consider the proposal. The Company further agreed to
5	include a proposal for an alternative to demand charges for electric vehicle charging
6	rates. In accordance with the Settlement Agreement, the Company met with settling
7	parties and interested stakeholders in the course of developing its proposals and has
8	included information on the costs and benefits of proposed EV make-ready infrastructure
9	within this testimony.
10	Eversource has also worked to develop separately-metered EV time-of-use ("TOU") rate
11	proposals for residential and commercial charging applications pursuant to Commission
12	Order No. 26,394 issued in Docket No. IR 20-004. With the exception of discussion
13	regarding TOU rates for public Direct Current Fast Charging ("DCFC") applications,

14 those proposals are not the subject of this testimony or the Company's petition in this

15 docket. They will be filed separately by the Company in Docket No. DE 20-170.

16

Q. How is your testimony organized?

17 A. Section I of this testimony begins with a description of the proposed design, funding and

18 cost recovery of an EV charging infrastructure program. Section II provides a description

19 of a proposed EV public charging rate that would be an alternative to the Company's

20 otherwise applicable rates structures that include demand charges.

1 I. MAKE-READY EV CHARGING INFRASTRUCTURE PROGRAM

Q.	How was the need for EV Charging infrastructure in New Hampshire determined?
A.	As part of the effort to assess the need for electric vehicle charging infrastructure in New
	Hampshire, the Electric Vehicle Charging Stations Infrastructure Commission ("the EV
	Commission") was established via Senate Bill 517, adopted in the 2018 legislative
	session. On pages 2-3 of its final report issued in November 2020 ¹ , the EV Commission
	reached the following conclusions:
	The Electric Vehicle Charging Infrastructure Commission recommends prioritizing EV charging infrastructure initial investment from the Volkswagen Settlement and other potential sources along the interstate highway system, the NH turnpike system, and other roadways; and prioritized as deemed suitable as determined by OSI, NHDES, and NHDOT in consultation with the commission.
	The EV Commission spent a significant amount of time discussing the need for DCFC on
	New Hampshire corridors and the need to utilize the Volkswagen Settlement funds to
	support such investment. In June 2019, OSI provided a high-level overview of a planned
	Request for Proposals ("RFP") for installation of DCFC and co-located Level 2 charging
	infrastructure. In response to this overview the EV Commission developed the following
	public statement on page 4 of its Final Report:
	 Adequate electric vehicle supply equipment (EVSE) in New Hampshire, and in particular direct current fast chargers (DCFC) along major travel corridors in the state, is necessary to enable electric vehicle (EV) travel within and through New Hampshire; and Availability of adequately spaced EVSE along the state's major travel corridors is essential to overcome "range anxiety" and enable and encourage broader adoption of EVs by New Hampshire residents and residents throughout the Northeast; and

 $^{^1\,}https://www.des.nh.gov/sites/g/files/ehbemt341/files/inline-documents/2020-12/20201030-final-report.pdf$

$ \begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ \end{array} $		 Manufacturers continue to introduce a wider variety of EV models which will be available to consumers in the coming years and that drivers will be best served if New Hampshire's EV charging market supports multiple business models, generates new jobs, and encourages innovation and competition in equipment and network services; and New Hampshire's Volkswagen Beneficiary Mitigation Plan provides funding for the support of EVSE development within the state. The EV Commission's primary conclusion (page 6 of its Final Report) was that VW Settlement funding would be properly spent on enabling a DC Fast Charging corridor in New Hampshire to "support economic development in areas of the state dependent on tourism, lower lifetime costs of owning a vehicle for many drivers, and result in lower
13		emissions of criteria pollutants and greenhouse gas emissions that contribute to climate
14		change."
15	Q.	Why is Eversource proposing this DCFC infrastructure program?
16	A.	Eversource is proposing this DCFC infrastructure program to support the State's
16 17	A.	Eversource is proposing this DCFC infrastructure program to support the State's disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH
	А.	
17	A.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH
17 18	А.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH Trust") funds consistent with the New Hampshire Beneficiary Mitigation Plan. The
17 18 19	Α.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH Trust") funds consistent with the New Hampshire Beneficiary Mitigation Plan. The disbursement of the NH Trust funds alone will not be sufficient to enable the
17 18 19 20	A.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH Trust") funds consistent with the New Hampshire Beneficiary Mitigation Plan. The disbursement of the NH Trust funds alone will not be sufficient to enable the development of a DCFC travel corridor along the State's major roadways. Pairing the NH
17 18 19 20 21	Α.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH Trust") funds consistent with the New Hampshire Beneficiary Mitigation Plan. The disbursement of the NH Trust funds alone will not be sufficient to enable the development of a DCFC travel corridor along the State's major roadways. Pairing the NH Trust funding with a utility-administered electrical infrastructure program will help to
 17 18 19 20 21 22 	A.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH Trust") funds consistent with the New Hampshire Beneficiary Mitigation Plan. The disbursement of the NH Trust funds alone will not be sufficient to enable the development of a DCFC travel corridor along the State's major roadways. Pairing the NH Trust funding with a utility-administered electrical infrastructure program will help to ensure that the New Hampshire Department of Environmental Services ("NHDES") is
 17 18 19 20 21 22 23 	A.	disbursement of New Hampshire Volkswagen Environmental Mitigation Trust ("NH Trust") funds consistent with the New Hampshire Beneficiary Mitigation Plan. The disbursement of the NH Trust funds alone will not be sufficient to enable the development of a DCFC travel corridor along the State's major roadways. Pairing the NH Trust funding with a utility-administered electrical infrastructure program will help to ensure that the New Hampshire Department of Environmental Services ("NHDES") is able to successfully deploy this network of DCFC. This investment will directly support

1		2021 ² . The entire NH Trust contains approximately \$31 million, \$4.6 million of which
2		(or 15%) has been allocated to support the deployment of Electric Vehicle Supply
3		Equipment ("EVSE") throughout the State. NHDES has previously indicated that
4		approximately \$2 million from the NH Trust is available for this solicitation, and that
5		OSI reserves the right to increase or decrease the amount of funds available under the
6		competitive solicitation ³ . The Company's proposed investment would be in addition to
7		the amount coming from the NH Trust.
8	Q.	Please summarize the proposed EV charging infrastructure program.
9	A.	By investing in EV charging infrastructure, Eversource proposes to support the
10		development of a DCFC ² corridor throughout New Hampshire. The EV fast charging
11		corridor will advance in-state economic development by creating a multi-site DCFC
12		corridor across New Hampshire's most thoroughly traveled roadways. This proposal will
13		support the State in its efforts to provide a strategic network of EVSE and associated
14		operations, maintenance and management services along specified corridors in New
15		Hampshire. This network will ensure that sufficient DCFC infrastructure exists to attract
16		tourists from nearby states and provinces with aggressive EV adoption policies, and to
17		support EV drivers who live and/or work in the State. The intent of the Company's
18		proposal is to significantly expand New Hampshire's network of travel corridor EV

² A DC fast charging station provides charging through a 480V AC plug and can deliver 60 to 80 miles of range in 20 minutes of charging. Source: https://afdc.energy.gov/fuels/electricity_infrastructure.html

charging stations by reducing the cost burden of site hosts seeking to install EV charging
 equipment.

3		The Company estimates that the competitive solicitation process will result in
4		approximately five DCFC locations being deployed throughout Eversource's service
5		territory. The Company further anticipates that the EVSE configuration at each of these
6		sites will include two 150 kw DCFC, with a complementary Level 2 ³ charger. The
7		Company's proposal is to provide approximately \$2 million to fund certain portions of
8		this infrastructure, as described in more detail below, in order to support the
9		infrastructure buildout consistent with the EV Commission report described above.
10		Under this proposal, the Company will not own the chargers themselves. Instead,
11		financing for the EVSE will come from the NH Trust. The EVSE will then be owned and
12		operated by a third party (either an EVSE charging vendor or customer site host) who is
13		selected via competitive bid through the NH Trust procurement process.
14	Q.	What infrastructure is Eversource proposing to include as part of this program?
15	A.	The Company is proposing to provide new service connections for each charging
16		location. Each host site will be served by a new meter that is separate from any existing
17		meter(s) at the selected site. For each site, the following infrastructure will be installed
18		through the program: a primary lateral service feed from the existing circuit, any
19		necessary transformer and transformer pad, a new meter, a new service panel, and the

³ A Level 2 charging station provides charging through a 240V or 208V plug and can deliver 10 to 20 miles of range per hour of charging. Source: https://afdc.energy.gov/fuels/electricity_infrastructure.html

1		chargers. Of this work, internal Eversource resources will install the front of the meter
2		infrastructure, including the distribution primary lateral service feed, transformer and
3		pad, and the new meter. For installation work behind the meter, the NH Trust awardees
4		will contract with third-party electrical contractors to complete the installation of any
5		required transformer vaults, new service panels, and the connection to the EVSE.
6	Q.	Where will the Company locate the proposed EV infrastructure improvements?
7	A.	EVSE sites will be determined through the NH Trust RFP process. For a map of all
8		travel corridors that NHDES has identified as primary targets, please see "FIGURE $1 - $
9		Target Corridors for RFP # NH-VW-2019-03 (page 9)" of the "New Hampshire VW
10		Environmental Mitigation Trust Direct Current Fast Charging Infrastructure Request for
11		Proposals RFP # NH-VW-2019-03 New Hampshire Electric Vehicle Supply Equipment
12		Grant Program – Round 1 November 22, 2019." ⁴
13	Q.	What funding does the Company propose to provide through the program?
14	A.	The Company proposes to provide approximately \$2.0 million towards the cost of new
15		service connections and electrical equipment for EV charging locations. This includes
16		investment in front of meter distribution infrastructure as well as one-time rebates of
17		comparable funding for the installation of electrical equipment behind the meter that will
18		be owned by the customer. The Company also expects to incur an additional \$50,000 for

⁴ <u>https://www.nh.gov/osi/energy/programs/documents/dcfc-corridor-rfp-112219.pdf</u>

- 1 associated program administration and other expenses. The estimated total budget is
- 2 described in more detail below in Figure 1.

	Fig	ure 1			
	Cost Elements			Total Prog	gram Investment
	From	nt of Meter Infrastructure	Capital	\$	650,000
	Beh	nind the Meter Infrastructure	Expense	\$	1,400,000
		a Collection	Expense	\$	30,000
	Pro	gram Evaluation	Expense	\$	20,000
				\$	2,100,000
3		The estimated budget was based upon se	everal assumption	s, and is sub	ject to change
4		based on any subsequent adjustments to	these assumption	s as a result	of the NH Trust
5		RFP process:			
6		• Site configuration: two 150 kw I	DCFC, with a com	plementary	Level 2 charger.
7		• Number of sites in Eversource se	ervice territory: fiv	ve	
8		• Average site cost: \$410 thousand	d (Front of Meter:	\$130 thousa	and, Behind the
9		Meter: \$280 thousand)			
10		The Company recommends that the prop	posed \$2 million f	funding be d	istributed evenly
11		across all NH Trust funding awardees in		-	
12		anticipates that this program will be con	-		
13		Commission approval and NH Trust aw	ard of the anticipa	ited RFP, wl	nichever occurs at a
14		later date.			
15	Q.	How does the Company propose to re	cover its capital i	investment	associated with the
16		program?			
17	A.	The Company is not seeking any special	l ratemaking treat	ment for its	anticipated capital
18		investment through the program. Everse	ource estimates it	may invest a	approximately
19		\$650,000 for front of the meter distribut	ion equipment. T	he Company	y proposes that it

1		would include the net value of that investment in rate base as part of its next base
2		distribution rate proceeding. The Company does not seek to recover amounts associated
3		with estimated capital investment through any other rate mechanism at this time. The
4		Company is, however, requesting that the Commission find that the capital investment for
5		EV charging infrastructure made pursuant to this proposal is reasonable and appropriate.
6		The Commission's authorization of these investments means that the Commission will
7		approve the decision to proceed with those investments as part of this proceeding, and in
8		the future would review the prudence of the implementation of these investments
9		pursuant to that authorization.
10	Q.	Why is the proposed make-ready capital investment reasonable?
11	A.	The Company believes the proposed capital investment is reasonable to include in rate
12		base given that public charging will produce incremental distribution revenue. As shown
13		in Attachment BJR-1 the net present value of potential long-term distribution revenues
14		from EV charging under applicable rates could be up to \$325,000 for a site with two 150
15		kW DCFC, or \$1.6 million for five sites.
16	Q.	Why does the Company ask the Commission to find proposed investment amounts
17		are reasonable in this docket, before they are incurred?
18	A.	Public EV charging is a new source of load that is not as predictable as that of other new
19		customers, particularly in New Hampshire with a limited adoption of EVs to date. It is
20		also anticipated that public EV charging may be more modest in the initial years of
21		DCFC site operations, but could grow over the useful life of the Company's investments.
22		The Company believes the proposed capital investment to enable EV charging sites is

1		appropriate given alignment with other state policies and the potential long-term benefits
2		of increased electrification of the transportation sector. ⁵ Agreement from the
3		Commission that the investment is appropriate and in the public interest is an important
4		precondition for the Company to fund proposed make-ready capital investment.
5	Q.	Is the Company asking the Commission to determine costs are prudently incurred
6		in this docket, before they are actually incurred?
7	A.	No. The Company expects the prudency of the Company's management of the make-
8		ready program and resulting capital expenditures will be reviewed by the Commission in
9		the future. The Company only requests that the reasonableness of the decision to proceed
10		with the proposed make-ready program and associated capital investments be resolved in
11		this docket.
12	Q.	How does the Company propose to recover non-capital expense associated with the
13		program?
14	А.	Eversource expects the majority of funds provided to support the successful deployment
15		of DCFC corridors in its service territory will be non-capital expenditures for customer-
16		owned equipment located behind the utility meter. The proposed expenditures in such
17		equipment and other O&M for the program are associated with activities outside the
18		current normal course of electric distribution business, are incremental, and are also
19		expected to be non-recurring. Eversource recommends that prudently incurred O&M

⁵ For example, the 2018 New Hampshire State Energy Strategy, available at: <u>https://www.nh.gov/osi/energy/programs/documents/2018-10-year-state-energy-strategy.pdf</u>, states at page 49: "While publicly-funded EV charging stations only demonstrate viability when adders for non-economic values are incorporated into a cost-benefit analysis, seed funding for infrastructure may have a knock-on effect promoting private investment."

costs for the proposed program be recovered through a reconciling mechanism, so that
 the costs of the program are reflected in rates on a timely basis. Alternatively, the
 Company would request authorization to defer the proposed non-recurring costs to a
 regulatory asset to be amortized following its next base rate proceeding.

 $\mathbf{5}$

Q. What are the estimated benefits of the make-ready proposal?

The primary benefit of the proposed make-ready infrastructure program is to support the 6 A. successful development of DCFC corridors and advance the New Hampshire Beneficiary 7 Mitigation Plan as discussed previously in this testimony. However, the Company also 8 expects the expansion of EV charging within its service territory will produce other 9 10 benefits for customers. As shown in Attachment BJR-1 the potential long-term revenue from public EV charging is projected to exceed the revenue requirement of the Company 11 12to support the program. Annual revenue could exceed the Company's annual cost by 13Year 4 and the program is projected to ultimately achieve simple payback by Year 23. The long-term benefits of distribution revenue in excess of costs would ultimately accrue 14to customers where increased sales volume would serve to reduce base distribution rates 15that would otherwise be charged to customers. Favorable rate impacts could be reflected 16 in rates approved in the Company's next rate case and/or on an ongoing basis through a 17revenue decoupling mechanism. The Company has agreed to include a revenue 18 decoupling proposal in its next base rate proceeding pursuant to the Settlement 19 20Agreement approved by the Commission in Docket No. DE 19-057. Eversource has not 21estimated the impact of EV charging on reconciling rates for transmission, stranded costs 22and other rate components, but additional customer benefits could emerge as costs

- recovered through those rates are potentially spread across a larger volume of sales as
 well.
- 2

3	Q.	Please describe what data the Company will collect as part of this program.

- 4 A. The Company anticipates that NHDES will require awarded site hosts to collect and
- 5 report the following:
- 6 a. Date and time of usage (including start and stop time);
- 7 b. Utilization rates;
- 8 c. Total kWh and Total kW draw;
- 9 d. Total dollar amount charged to the user;
- 10 e. Station status and health in real time;
- 11 f. Equipment malfunctions and operating errors;
- 12 g. Percent of time vehicles connected to a charger are charging; and
- 13 h. Quarterly income from each station, net expenses.
- 14 The Company does not intend to propose redundant reporting requirements.

15 Q. Please describe how the Company will report on program implementation progress.

- 16 A. Upon completion of the proposed program, Eversource will provide a report detailing
- 17 actual site deployment costs and a comparison of actual costs to budget.
- 18 On an annual basis, the Company will report data on site host monthly electric bills to
- 19 capture sales revenue collected by Eversource as a result of this program.

1 II. DEMAND CHARGE ALTERNATIVE

2 Q. Please describe the current rates that would apply to new public EV charging sites.

- 3 A. The rates applicable to new public EV charging sites depend on the level of charging
- 4 capacity needed and other service requirements. A host site under the proposed make-
- 5 ready EV charging infrastructure program would be eligible for service under the
- 6 Company's Rate GV, which is designed for customers receiving primary distribution
- 7 service and have a peak demand of up to 1,000 kW.
- 8 Rate GV customer energy and demand are measured and billed on a monthly basis.
- 9 Metered demand is further differentiated between peak and off-peak periods, and the
- 10 charges for demand are based on the greater of the maximum demand during peak hours
- 11 or 50% of the maximum demand during off-peak hours.
- 12 Delivery service for Rate GV customers is provided through a combination of demand
- 13 and volumetric charges, while energy service is supplied and billed on a kWh basis by
- 14 either the Company or a competitive energy supplier.
- 15 Regarding rate structure, distribution service is provided under a combination of: (1) a
- 16 two-tier demand structure (with one rate for demand up to the first 100 kW and another,
- 17 slightly lower rate for demand greater than 100 kW); and (2) a two-tiered volumetric
- 18 structure (similarly, with one rate for the first 200,000 kWh of usage and a slightly lower
- 19 rate for usage above that level).⁶ A single demand charge applies to transmission service,
- 20

while stranded cost recovery is charged using both a demand and a volumetric rate.

⁶ Per the Company's recent distribution rate case settlement in DE 19-057, the differences between these declining blocks have been reduced, effective January 1, 2021, and will be completely eliminated in its next distribution rate case.

- 1 Monthly rates apply to all kWh for both the System Benefits Charge and Company-billed 2 energy service.
- Attachment EAD-1 provides the rate structures and current pricing for the various
 components of electric service provided under Rate GV. When rates for each component
 are combined by charge type, the effective overall rates by charge type are a \$211.21
 customer charge, \$17.82 per kW demand rate and \$0.08031 per kWh] volumetric rate.⁷

7 Q. Why is the Company proposing an alternative rate for public EV charging?

8 A. Stakeholders in both the Company's rate case (Docket No. DE 19-057) and the

9

10 the impact of demand charges on EV charging facilities which characteristically have a

Commission's proceeding in Docket No. IR 20-004 expressed significant concern over

11 high demand draw but low utilization. General service rates are designed around the

12 demand and energy characteristics for a given class and include demand charges

13 appropriate for that class. Compared with these classes, public EV charging stations are

14 expected to have relatively low energy utilization during at least the first few years of

15 station deployment, with increasing levels of both demand and energy utilization

16 anticipated over time. Under the Company's proposal, EV charging stations will

17 potentially have monthly peak demands of over 300 kW (e.g., for a host site consisting of

18 two 150 kW DCFCs and complementary level 2 charging). However, low utilization of

19 these stations (e.g., 3% or less) present limited opportunities for charging station hosts to

- 20 experience sufficient volume to recoup the costs of electric service, particularly where
- 21 demand charges apply (Figure 2 provides a projection of potential annual charging

⁷ For purposes of combining rates, an average of rates for the demand and energy tiers has been calculated, recognizing small differences in rates between tiers. See also note 1.

1	demand and utilization levels for EV charging facilities under this proposal).
2	Consequently, demand charges are viewed by potential EV charging hosts as an
3	uneconomic, high-cost "barrier" to deploying EVSE. The Company recognizes that
4	barriers based on these circumstances may exist and has considered several potential rate
5	design alternatives that address this concern, in balance with the potential cost shifting
6	effect of such alternatives.

	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Station:										
Max kW	120	120	120	200	200	200	200	280	280	280
Total kWh	2,628	4,380	6,132	14,600	21,900	29,200	36,500	55,188	61,320	61,320
Per EV:										
Max kW	60	60	60	100	100	100	100	140	140	140
Total kWh	1,314	2,190	3,066	7,300	10,950	14,600	18,250	27,594	30,660	30,660
Assumptions										
Sites	5	5	5	5	5	5	5	5	5	5
Chargers/site	2	2	2	2	2	2	2	2	2	2
Annual LF	3%	5%	7%	10%	15%	20%	25%	27%	30%	30%
kW/Charger	60	60	60	100	100	100	100	140	140	140
MWh	158	263	368	876	1,314	1,752	2,190	3,311	3,679	3,679

Figure 2: Avg Monthly	Billing	Determinants	per station	. bv	vear
I ISUIC EL AVS MONUM		Determinants	per station	, ~y	ycui

8 Q. Please describe the alternative rate proposed by the Company

9 A. The Company has developed a proposed rate for public EV charging stations

10 participating in its proposed make-ready program that provides an alternative to Rate GV

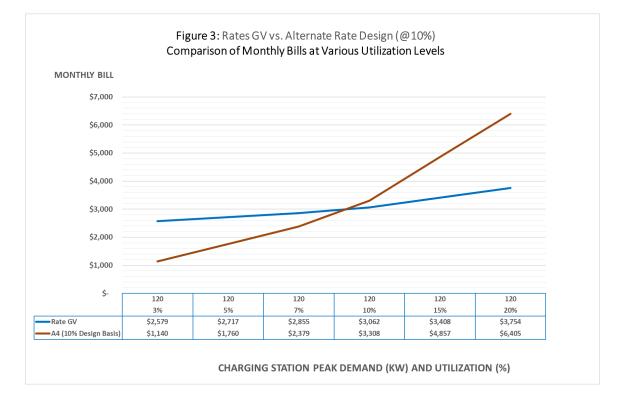
11 service in which a stated volumetric rate for a targeted range of utilization is applied in

- 12 lieu of demand charges. The rate is designed for utilization of up to 10%, where
- 13 utilization below 10% results in lower charges than would occur under Rate GV. Design

14 details are provided in Attachment EAD-2.

7

1 While simple in structure, this design operates across a range of utilization in the same way, for any level of peak monthly charging demand. The impact of demand charges is 2 dynamically adjusted depending on the level of utilization. Figure 3 compares the 3 monthly charges for a public EV charging facility participating in the Company's 4 proposed make-ready program under the alternative design and under Rate GV at various $\mathbf{5}$ levels of utilization. As shown, for a given level of demand, the reduction in electric 6 service charges relative to Rate GV is greatest at lower utilization levels and diminishes 7 as utilization increases. 8





10 This approach effectively reduces the demand charge barrier where utilization is the 11 lowest, while addressing concerns over rate equity. As utilization increases so does the 12 relative revenue contribution, thus providing increased contribution of revenue toward 13 the fixed costs of providing service that otherwise would be recovered through Rate GV

1		demand charges. Furthermore, maintaining a fixed volumetric rate provides price
2		uniformity, stability and certainty for electricity delivered to the host, which in turn
3		provides a consistent basis on which the host may determine the price for consumers
4		charging their EV.
5		While this design is relatively simple in structure, its implementation will require some
6		billing changes. Necessary changes and associated costs will be determined by the
7		Company following approval of the proposed rate and completion of the NH Trust RFP
8		process.
9	Q.	Will public EV charging customers be required to enroll in the alternative rate or
10		continue service on it if they do enroll?
11	A.	No. This rate is being presented as an optional alternative to the otherwise applicable
12		rate. Customers will continue to be eligible to take service under an applicable general
13		service rate (Rate GV in this case), including if they initially elected to take service under
14		alternative rate. Given the design point (i.e., 10% utilization) it will be important for a
15		customer taking service under the alternative rate to monitor and evaluate whether
16		utilization levels will increase above the design point such that they would be better off
17		choosing to switch to the otherwise applicable rate. The Company will advise customers
18		on the relevant differences between rate options and will periodically review DCFC
19		customer accounts to determine if it may be appropriate for them to change rate options.
20	Q.	Did the Company evaluate other potential alternative rate designs?
21	А.	Yes. The Company reviewed a number of rate designs and methodologies in developing

22 the alternative proposed in this filing. As noted earlier, the Company sought to address

1	concerns with both the demand charge barrier and rate equity. The relative rate and bill
2	discount were among the considerations given to any potential alternative. This
3	comparison is expected to continue as the cost of providing service to not only public EV
4	charging stations but also other types of EV charging is better known through increased
5	deployment of EV chargers, and as different groupings or classes of charging are defined.
6	Significant consideration was given to requirements from the Settlement Agreement in
7	Docket No. DE 19-057 for developing a demand charge alternative in conjunction with
8	the make ready program, as submitted herein, as well as guidance and requirements from
9	the Commission's Order in Docket No. IR 20-004 ⁸ , particularly regarding proposing an
10	alternative to a demand charge and assuring proposals do not include a declining block
11	rate structure. Other principles applied in evaluating potential alternatives included
12	minimizing rate discounts, the potential for cross-subsidization and assuring rate
13	simplicity and stability.
14	Alternative rate design approaches considered included variations of a scheduled demand
15	charge discount (a/k/a demand charge holiday); class average demand charge equivalent;
16	sliding scale load factor rate; and subscription rates.
17	On balance the Company believes its proposal will support the state's goals in the most
18	simple, equitable and cost effective manner. From a customer perspective, the proposed
19	design addresses the key concern with respect to demand charges for public charging
20	using a dynamic approach that relies on levels of utilization, is simple to apply and easy
21	to understand. Variations of this design or consideration of more complex approaches

⁸ IR 20-004, **Investigation into Rate Design Standards for Electric Vehicle Charging Stations and Electric Vehicle Time of Day Rates,** Order No. 26,394 (August 18, 2020). may be more suited for development of next generation designs, following deployment
and growth of public EV charging applications in New Hampshire.

3 Q. Why is the Company not proposing a TOU rate for public EV charging?

4 A. In the Company's assessment, the timing of public EV charging is largely non-

5 discretionary. The stated concern being addressed in this filing is the demand charge.

6 While a TOU rate may be introduced for these types of charging applications, the

7 Company expects that consumers who charge their EVs at public stations would not

8 generally be in a position to defer or otherwise schedule charging to a different time.

9 Those who could shift charging might do so, but the design proposed here is particularly

10 for public DCFC applications where charging is expected to occur on demand, when

11 needed, independent of potential time-differentiated pricing alternatives.

Q. Does the Company anticipate different rate structures for public EV charging could be proposed in the future?

14 A. Yes. Information on EV charging will expand as the market grows, and many

15 approaches are being tested across the country. The Company expects to learn from the

16 deployment and initial growth in EV charging and believes that during this early period

17 the Company's proposal provides a reasonable and targeted basis on which to implement

18 public charging solutions to meet customers' needs in a simple, understandable and

19 effective manner. While new rates could be proposed in the future, rate continuity for

20 existing customers would be an important consideration.

21 This proposed approach effectively reduces the demand charge barrier where utilization

is the lowest, while addressing concerns over rate equity. As utilization increases, so

1		does the relative revenue contribution, thus providing increased contribution of revenue
2		toward the fixed costs of providing service that otherwise would be recovered through
3		Rate GV demand charges. Furthermore, maintaining a fixed volumetric rate provides
4		price uniformity, stability and certainty for electricity delivered to the host, which in turn,
5		where applicable, provides a consistent basis on which to determine the price for
6		consumers charging their EV.
7	III.	CONCLUSION
8	Q.	Please summarize your testimony and Eversource's proposal for an EV make-ready
9		program and demand charge alternative.
10	A.	Eversource is pleased to propose what it expects will be a successful set of policies to
11		encourage the development of DCFC stations in New Hampshire. The development of
12		DCFC corridors is in an important step to support the anticipated electrification of the
13		transportation sector in New Hampshire and the broader New England region. To enable
14		the Company to effectively support New Hampshire EV policies, including the desired
15		use of NH Trust funding, Eversource requests that the Commission approve a suitable
16		framework with a finding of reasonableness for the recovery of Company investment in
17		EV make-ready infrastructure as well as a demand charge alternative that is expected to
18		mitigate current rate design barriers to private investment in DCFC stations.
19	Q.	Does this conclude your testimony?

20 A. Yes. It does.

EV MAKE-READY INFASTRUCTURE PROPOSA LIN:

Company of New Hampohine d/b/d Rvensource Energy Docker No. DE 19-057 Attachment 8JR-1 April 15, 2021 1 of 4

Vublic Servic

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Public Service Company of New Hamphine of Dia Revision of Earsource 6 Innegry Docket No. DE 29-057 Amachinere B.D.: Amachinere B.D.: 2014 3

EV MAKEREADY INFASTRUCTURE PROPOSAL PRO FORMA REVENUE REQUIREMENT

Year 35 2056	660.000		(000'059)	1.			5.960	125%	522	16.348	344	\$	* 218	1.005
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Year 24 2045	(1) \$ 650.000		~ vi	**	1) \$ (55.655)	5 \$ 149,843	1 \$ 156,739 \$	8.75		5 \$ 18,915 \$	8 4,721		5 27,351 \$	5 2335.13
Year 23 2014	() \$ 650,000	•• •	3 \$ (425,588)	**	(877.8) \$ (0.07.8)	7 \$ 163,635	184,323 \$ 170,531 \$	22 B B B	9 \$ 14,922	5 \$ 18,915 \$	7 \$ 5,119	••	40.561 \$ 38.956 \$	\$ 2.726.994 \$ 2.769.322 \$ 2.809.882 \$ 2.848.838 \$ 2.886.189 \$ 2.921.935
Year 22 2043	() \$ 650.000	•••	8 \$ (406.673)	**	000:00) \$ 6	\$ 177.427	· \$ 184,323		44	5 \$ 18,915 \$	5 \$ 5,517		\$ 40.561	\$ 2,809,882
Year 21 2042	(r) \$ 650,000	•• •	\$ (387,758)	**	1 \$ (71.023)	\$ 191,219	\$ 200,079 \$	8.75%	\$ 17,507	\$ 18,915 \$	\$ 5,915	•••	\$ 42.337 \$	\$ 2769.322
Year 20 2011	() \$	•	~ ~	**	\$ (72.218)	\$ 208,939	\$ 219,762	822	\$ 19,230	\$ 18,915 \$	\$ 6,313		\$ 44.457 \$	\$ 2.726.994
Year 19 2040	(r) \$ 650,000		~ ~	**	\$ (69.488)	\$ 230,584	\$ 241,408	8.75%	\$ 21,124	\$ 18,915 \$	\$ 6,711		\$ 46.749 \$	\$ 2.682.627
Year 18 2039	0) \$	•	\$ (331,013)	\$ 318.968	\$ 006.756	\$ 252,232	\$ 263.054 \$ 241.408 \$ 219.762 \$ 200.	8.75%	\$ 23,018	\$ 18,915 \$	\$ 7,109		\$ 49.041 \$	\$ 2.586.736 \$ 2.635.777 \$ 2.682.527
Year 17 2038	() \$	• •	\$ (312,098)	\$ 337,903	\$ 054.026)	\$ 273,877	306,347 \$ 284,701 \$	82.8	\$ 24,912	\$ 18,915 \$	\$ 7,507		\$ 51.333 \$	\$ 2,586,736
Year 16 2037	(J) \$ 650,000	•	\$ (293,183)	\$ 356.818	\$ (61293)	\$ 296,524	49	875%	\$ 26,806	\$ 18,915	\$ 7,905		\$ 63.626 \$	\$ 2.425.859 \$ 2.481.777 \$ 2.535.402
Year 15 2036	0) \$		\$ (274,268)	\$ 375.733	\$ (58.563)	\$ 317,169	\$ 327,993	8.75%	\$ 28,700	\$ 18,915	\$ 8,302		\$ 55.918 \$	\$ 2.481.777
Year 14 2005	(/) \$		\$ (256,353)	\$ 394.648	\$ (55.831)	\$ 338,817	с) 8	8.75%	\$ 30,694	\$ 18,915	\$ 8,700		\$ 58.230 \$	\$ 2.425.859
Year 13 2034	() 850,000	•	\$ (236,438)	\$ 413.563	\$ (53.101)	\$ 360,462	\$	875%	\$ 32,488	\$ 18,915	\$ 9,098		\$ 60.502	\$ 2,367,650
Year 12 2033	0) \$		\$ (217,523)		\$ (50.368)	\$ 382,109	414,578 \$ 392,932	8.75%	36,276 \$ 34,382	\$ 18,915	\$ 9,496		\$ 62.794	155 \$ 2.307.148
Year 11 2022	(r) \$ 650.000		\$ (198,608)	\$ 451.393	\$ (47.638)	\$ 403,754	\$ 414,578	8.75%	\$ 36,276	\$ 18,915 \$	\$ 9,894	•	\$ 65.085	\$ 2244.355
Year 10 2031	()		(179,693)	470.308	(44,906)	425,402	436,224	875%	38,170	18,915	10,292		67.378	2.179269
Year 9 2030	(IJ) 650,000 \$		000/000 \$ (160,778) \$	489.223 \$	(42.176) \$	447,047 \$	457,871 \$	8,75%	40,065 \$	18,915 \$	10,690 \$	••	\$ 02969	2.111891 \$
)) 850,000 \$		600,000 5 (141,863) \$	508.138 \$	39.443) \$	403,694 \$	479,570 \$	8.75%	41,963 \$	13,915 \$	11,088 \$		\$ 996'12	2.042.222 \$
Year 8 2029			<i>o</i> 0			\$	**	8.76%	\$	15 \$.	••	••	4.296 \$ 7	255 \$ 2.04
Year 7 2028	04) \$ 650,000	69-1	\$ (122.948)	\$ 627.063	\$ 036,606	\$ 490,447	8	6.9	\$ 43,895	\$ 18,9	\$ 11,486		\$ 74.2	\$ 1.970.27
Year 6 2027	(6)		(104,033)	545.968	(33.124)	512,844	524,302	8,228	45,885	18,915	11,884	10.000	86.684	1895.900
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Year 1 2022	; (6)	\$ 000'000 \$	3 000,000 1 7 (9,458) 5	1 640.543 \$	X (4.040) \$	\$ 036,502 \$	\$ 318,251 \$	8.75%	\$ 27,848 \$	\$ 9,458 \$	· ·	\$ 1.400.000 \$	\$ 1.437.305 \$	\$ 1.437.305 \$
Description	(A) Beginning Gross Capital	Capital Investment Activity	e norng ceros s capital Acoumulated Depreciation \$	Current Net Capital Assets	Deferred Income Taxes	Current Rate Base	Auerage Rate Base	Pre-Tax WACC	Return on Capital Investment	Depreciation Expense 1	Property Taxes \$	08M	Annual Revenue Requirement	Cumulative Revenue Requirement
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EV MAKE-READY INFRASTRUCTURE PROPOSAL DEPRECIATION, AMORTIZATION & ACCUMULATED DEFERRED INCOME TAXES

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escription (A) Tat Depreciation Rate (NACFS 20 Years) and Depreciation Rate (NACFS 20 Years) Accordinator (as Depreciation Record Marca Depreciation According and Bollow Record and Refer of Demonso Book Tat Depreciation Childrenero Book Tat Depreciation Childrenero Record and Defrect Accord Inference Constraint Depreciation Account Rese (Ac

d/b/a Eversource Energy Public Service Company of New Hampshire Attachment BJR-1 Docket No. DE 19-057

4 of 4

April 15, 2021

After Tax Return used for discounting
unting

Property Tax Rate calculated per Docket No. DE 19-057 Step 2 Adjustment

2.10%

Property Tax Rate

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment EAD-1 April 15, 2021 Page 1 of 1

1	Rate GV	
2		ates by
		ponent of
3		Service
4	Customer Charge	\$ 211.21
5		
6	Demand 1-100 kW	
7	Distribution	\$ 6.90
8	Transmission	10.40
9	Stranded Cost Recovery Charge	 0.65
10	Total	\$ 17.95
11		
12	Demand > 100 kW	
13	Distribution	\$ 6.64
14	Transmission	10.40
15	Stranded Cost Recovery Charge	 0.65
16	Total	\$ 17.69
17		
18	Energy Charge 1 - 200,000 kWh	
19	Distribution	\$ 0.00656
20	Transmission	-
21	Stranded Cost Recovery Charge	0.00643
22	System Benefits Charge	0.00743
23	Energy Service Charge	0.06025
24	Total	\$ 0.08067
25		
26	Energy Charge >200,000 kWh	
27	Distribution	\$ 0.00583
28	Transmission	-
29	Stranded Cost Recovery Charge	0.00643
30	System Benefits Charge	0.00743
31	Energy Service Charge	0.06025
32	Total	\$ 0.07994
33		
34		
35	Combined Rates by Charge Type:	
36		
37	Customer Charge (per month)	\$ 211.21
38	Average Combined Demand Rate (per kW)	\$ 17.82
39	Average Combined Energy Rate (per kWh)	\$ 0.08031

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Attachment EAD-2 April 15, 2021 Page 1 of 1

		Rate GV	/: Rates Effective Ja	nuary	1, 2021		
Class Load Factor:		55%					
Customer Charge					\$211.21	/month	
		(A)	(B)	,) = (A) / (B) rage Class		
	Revenue	Requirement	Class Consumption		Rate		
Distribution *	\$	39,303,773	1,665,675,827	\$	0.02360	/kWh	(1)
Transmission *	\$	44,055,669	1,665,675,827	·	0.02645		(2)
SCRC (demand)		2,753,479	1,665,675,827		0.00165		(3)
Total Demand				\$	0.05170	/kWh	(4)=(1)+(2)+(3)
Total Other **				\$	0.07411		(5)
Total				\$	0.17751	/k\//h	(6)=(4)+(5)
Total				Ψ	0.17701	/	(0)-(4) (0)
* Demand and volur	metric rever	ue requirement	combined				
** Volumetric Energy		•					
57	11.37		,		Other		
			SCRC	\$	0.00643	/kWh	
			SBC	\$	0.00743		
			ES	\$	0.06025		
			Total Other	\$	0.07411	/kWh	
				Desta	n		
		Re	evenue Neutral Rate	Desig	,,,,		
Customer Charge			evenue Neutral Rate	Desig	j11		
-			evenue Neutral Rate	Desig			(7)
Station Utilization	ent **		evenue Neutral Rate	Desig	10%		(7) (8)=(14) / (7)
-	ent **		evenue Neutral Rate	Desig			(7) (8)=(14) / (7)
Station Utilization	ent **		evenue Neutral Rate	_	10%		
Station Utilization	ient **		evenue Neutral Rate	Volun	10% 5.5		
Station Utilization	ent **		evenue Neutral Rate	Volun	10% 5.5 netric Rate Af	-	
Station Utilization Rate Parity Adjustm	ient **	\$211.21		Volun De	10% 5.5 netric Rate Af esignated	/kWh	(8)=(14) / (7)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative	ient **	\$211.21 Distribution		Volun 0 \$	10% 5.5 netric Rate Af esignated 0.12978	/kWh /kWh	(8)=(14) / (7) (9)=(1)*(8)
Station Utilization Rate Parity Adjustm Demand Alternative	ient **	\$211.21 Distribution Transmission		Volun Do \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547	/kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Demand Alternative		\$211.21 Distribution Transmission SBC		Volun Do \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate		\$211.21 Distribution Transmission SBC Other*		Volun Do \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate * See "Total Other"		\$211.21 Distribution Transmission SBC Other* Total		Volun <u>Do</u> \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate * See "Total Other"	factor to sta	\$211.21 Distribution Transmission SBC Other* Total	.e., target utilization leve	Volun <u>Do</u> \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5) (13)=(9)+(10)+(11)+(1
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate * See "Total Other"	factor to sta	\$211.21 Distribution Transmission SBC Other* Total	.e., target utilization leve	Volun <u>Do</u> \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate * See "Total Other"	factor to sta	\$211.21 Distribution Transmission SBC Other* Total ation utilization (i ass Load Factor:	.e., target utilization leve 55%	Volun Do \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411 0.35845	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5) (13)=(9)+(10)+(11)+(12)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate * See "Total Other"	factor to sta	\$211.21 Distribution Transmission SBC Other* Total ation utilization (i ass Load Factor:	.e., target utilization leve	Volun Do \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411 0.35845	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5) (13)=(9)+(10)+(11)+(11)
Station Utilization Rate Parity Adjustm Demand Alternative Demand Alternative Volumetric Total Alternative Rate * See "Total Other"	factor to sta	\$211.21 Distribution Transmission SBC Other* Total ation utilization (i ass Load Factor:	.e., target utilization leve 55%	Volun Do \$ \$ \$ \$ \$	10% 5.5 netric Rate At esignated 0.12978 0.14547 0.00909 0.07411 0.35845	/kWh /kWh /kWh /kWh	(8)=(14) / (7) (9)=(1)*(8) (10)=(2)*(8) (11)=(3)*(8) (12)=5) (13)=(9)+(10)+(11)+(12)