# STATE OF NEW HAMPSHIRE BEFORE THE PUBLIC UTILITIES COMMISSION



Docket No. DE 16-576

DEVELOPMENT OF NEW ALTERNATIVE NET METERING TARIFFS and/or OTHER REGULATORY MECHANISM and TARIFFS FOR CUSTOMER GENERATORS

PREFILED REBUTTAL TESTIMONY OF

NATHAN PHELPS

ON BEHALF OF NEW HAMPSHIRE SUSTAINABLE ENERGY ASSOCIATION

**DECEMBER 21, 2016** 

#### I. INTRODUCTION

- 1 Q1. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 2 A1. My name is Nathan Phelps. My address is 745 Atlantic Ave., 7<sup>th</sup> Floor, Boston,
- 3 Massachusetts 02111.
- 4 Q2. HAVE YOU PREVIOUSLY TESTIFIED IN THIS PROCEEDING?
- 5 A2. Yes. On October 24, 2016, I filed Direct Testimony on behalf of New Hampshire
- 6 Sustainable Energy Association ("NHSEA") in this case addressing (1) the costs and
- benefits of distributed generation ("DG"), and (2) the possibility of cost shifts between
- B DG customers (a.k.a. participants) and non-DG customers (a.k.a. non-participants).

#### II. PURPOSE OF TESTIMONY AND SUMMARY OF RECOMMENDATIONS

- 9 Q3. WHAT DOES YOUR REBUTTAL TESTIMONY ADDRESS?
- 10 A3. My rebuttal testimony addresses the direct testimony filed by Public Service Company of
- New Hampshire d/b/a Eversource Energy ("Eversource" or "the Company") in the
- immediate docket.
- 13 Q4. HAVE YOU REVIEWED THE DIRECT TESTIMONY OF EVERSOURCE IN
- 14 THIS PROCEEDING?
- 15 A4. Yes, I have reviewed the joint testimony of Richard C. Labrecque and Russel D. Johnson
- 16 ("Joint Testimony"), and the testimony of Edward A. Davis.

# 1 Q5. HAVE YOU REVIEWED THE DISCOVERY ASSOCIATED WITH THE

# 2 **AFOREMENTIONED TESTIMONY?**

3 A5. Yes, I have.

#### 4 O6. DOES THE EVERSOURCE TESTIMONY CHANGE YOUR CONCLUSIONS IN

#### 5 YOUR DIRECT TESTIMONY?

- 6 A6. No, the Company's testimony does not change the conclusions I set forth in my Direct
- 7 Testimony.

# 8 Q7. WHAT IS THE PURPOSE OF YOUR REBUTTAL TESTIMONY?

- 9 A7. I address several of the points raised by the Company in testimony. Specifically, I
- address: (1) cost shifting; (2) whether net metering is consistent with the Public Utility
- 11 Regulatory Policy Act ("PURPA"); and (3) Eversource's recommendations for changes
- to net metering.

# 13 Q8. WHAT ARE YOUR RECOMMENDATIONS?

- 14 A8. I recommend that the New Hampshire Public Utilities Commission ("Commission")
- reject Eversource's assertions of a cost shift. In addition, I demonstrate that net metering
- is consistent with PURPA. Finally, I recommend that the Commission reject
- 17 Eversource's proposal.

## III. COST SHIFTING

1	<b>Q9.</b>	EVERSOURCE FOCUSES THEIR TESTIMONY ON THE AVOIDANCE OF
2		UNJUST AND UNREASONABLE COST SHIFTING. IS THIS THE ONLY
3		CONSIDERATION IN HB 1116, "AN ACT RELATIVE TO NET METERING,"
4		(31 N.H. LAWS 2016)?
5	A9.	No. Although Eversource gives the impression in testimony that the Commission must
6		only avoid unjust and unreasonable cost shifting, 1 HB 1116 actually listed eight criteria
7		for the Commission to consider. Specifically, HB 1116 states that "[i]n developing such
8		alternative tariffs and any limitations in their availability, the Commission shall consider:
9		• the costs and benefits of customer-generator facilities;
10		<ul> <li>an avoidance of unjust and unreasonable cost shifting;</li> </ul>
11		• rate effects on all customers;
12		• alternative rate structures, including time based tariffs pursuant to paragraph VIII;
13		• whether there should be a limitation on the amount of generating capacity eligible
14		for such tariffs;
15		• the size of facilities eligible to receive net metering tariffs;
16		• timely recovery of lost revenue by the utility using an automatic rate adjustment
17		mechanism; and
18		• electric distribution utilities' administrative processes required to implement such
19		tariffs and related regulatory mechanisms.

For instance, the Joint Testimony states that "the Legislature specifically instructed the Commission to avoid unjust and unreasonable cost shifting caused by net energy metering customers" (Joint Testimony at 3).

- So while the Commission must *consider* each of the criteria, the New Hampshire General

  Court did not place a requirement that any individual criteria must be met outside of the
- other criteria. In short, the Commission must balance each of the criteria.

# 4 Q10. ACCORDING TO EVERSOURCE, THERE IS AN INHERENT COST SHIFT IN

# 5 THE EXISTING NET METERING TARIFF (JOINT TESTIMONY AT 3). DO

## 6 YOU AGREE?

- A10. I do not agree. As I testified, "[u]sing the societal cost test, participating ratepayers
  clearly provide net benefits to non-participating ratepayers and New Hampshire society"

  (Direct Testimony of Nathan Phelps at 28). Furthermore, I testified that "a potential cost shift from non-participants to participants currently exists; this cost-shift is a sharing of the net benefits that result from DG" (Direct Testimony of Nathan Phelps at 30).
- 12 Q11. WHY DOES EVERSOURCE THINK THERE IS AN INHERENT COST SHIFT?
- All. According to Eversource, cost shifting occurs as a result of reduced revenue collection and higher-than-appropriate compensation.
- 15 Q12. WHY DOES EVERSOURCE THINK THERE IS A COST SHIFT AS THE
  16 RESULT OF REDUCED REVENUE COLLECTION?
- A12. Eversource is looking primarily at costs from a very narrow perspective. Essentially, the

  Company is myopically looking at the costs and to a small extent, a couple of the

  benefits that relate to Eversource. Specifically, the Company looks at the reduced

- collection of distribution and transmission revenue, and concludes that participating ratepayers (*i.e.* customers with DG) are not paying the cost to serve them.
- 3 Q13. DO YOU AGREE WITH EVERSOURCE'S POSITION?
- 4 A13. I do not, for the following reasons: (1) the Company's argument is theoretical, and not
- based on evidence; (2) Eversource misconstrues the implications of reduced revenue
- 6 collection; and (3) the Company ignores the totality of benefits of DG.
- 7 Q14. PLEASE EXPLAIN HOW EVERSOURCE'S ARGUMENT IS THEORETICAL,
  - AND NOT BASED ON EVIDENCE.
  - A14. The Company's argument that there is a cost shift is primarily based on the assertion that
- net metering customers "are materially different from a 'normal' customer" (Joint
- Testimony at 8; Response to Data Request Staff 2-3). In order to support this assertion,
- 12 Eversource provides illustrative information comparing a net metering customer to an
- average customer. However, the Company fails to provide any evidence of where net
- metering customers fall in the distribution of customer billed usage for each rate class, or
- any cost of service analyses.
- Although Eversource contends that "[e]ach rate class is designed in a manner such that all
- members of a rate class have similar characteristics" (Joint Testimony at 13), this is only
- true on the most basic level (e.g. residences v. businesses). In actuality, a rate class
- includes customers with many different consumption profiles. For instance, the
- 20 residential rate class includes everything from studio apartments to very large residencies.
- Even though Eversource asserts that net metering customers are materially different from

8

"normal" customers, the Company has provided no evidence to substantiate this statement. Eversource has provided no information that demonstrates where the billed usage patterns of net metering customers fall on the spectrum of all customer billed usage patterns, nor any cost of service analyses that compare participants to non-participants. Simply put, there is no evidence that net metering customers are different from non-net metered customers.

### 015. SINCE NET METERING CUSTOMERS BUY LESS ELECTRICITY FROM THE

### DISTRIBUTION COMPANY, DOES THAT NOT MAKE THEM DIFFERENT

#### FROM NON-NET METERED CUSTOMERS?

A15. Not necessarily. Customers use less electricity for a variety of reasons, including (1) energy efficiency, (2) energy conservation, (3) weather conditions, (4) economic conditions, and (5) changing living conditions (*i.e.* children moving out of their parents' house). By Eversource's logic, every customer that reduces their energy usage causes a cost shift.

# Q16. HOW DOES EVERSOURCE MISCONSTRUE THE IMPLICATIONS OF REDUCED DISTRIBUTION REVENUE COLLECTION?

A16. The Company states that they would have to petition the Commission to raise rates for all customers as a result of net metering (Joint Testimony at 13). Although Eversource makes this process sound akin to decoupling, in actuality such a petition would take the form of a general rate case. Obviously, the Commission would evaluate many factors in a general rate case, not just revenue shortfalls, including the cost to serve customers. There

is no guarantee that the Company would be allowed to raise rates as a result of net metering.

### 3 Q17. COULD EVERSOURCE COLLECT LOST REVENUE IN A RECONCILING

#### MECHANISM?

4

A17. Yes, but as of yet Eversource has refrained from proposing to collect lost revenue (Response to Data Request Staff 2-9). If the Company does petition for lost revenue collection in the future, the petition will need to be adjudicated. The outcome of such an adjudication is unknown at this point in time.

# 9 Q18. HOW DOES EVERSOURCE MISCONSTRUE THE IMPLICATIONS OF 10 REDUCED TRANSMISSION REVENUE COLLECTION?

Unlike distribution revenue, transmission revenue is reconciled. As such, a decrease in transmission revenue *for any reason*, will result in an upward adjustment in the following period. However, the total amount that New Hampshire ratepayers need to pay for transmission costs will fluctuate. The total costs of transmission for the ISO-NE region are allocated to each state based on demand requirements. DG lowers the demand requirements for New Hampshire, and thereby lowers the total transmission costs that are allocated to New Hampshire ratepayers. The actual reduction in transmission costs that are allocated to New Hampshire ratepayers depends on (1) the installed capacity of DG, (2) the coincidence of the DG with the demand requirements, and (3) the demand of each state in New England.

A18.

11

12

13

14

15

16

17

18

19

#### Q19. HOW DOES EVERSOURCE IGNORE THE TOTALITY OF BENEFITS OF DG?

A19. When Eversource looks at the costs of DG without consideration of (most) of the benefits of DG, the Company ignores the ways in which all customers benefit from DG. I cover the many benefits of DG in my direct testimony on pages 10 through 13. For instance, DG suppresses the wholesale price of electricity for everyone in the New Hampshire load zone. In this regard, the benefits of DG manifest themselves on portions of the electricity bills of customers that Eversource completely ignores.

A20.

If Eversource is correct – and there is a lack of evidence to support the Company's claim – that there is a net cost of DG on the distribution and transmission portions of customers' bills, such an outcome does not automatically mean that there is a net cost overall. By focusing narrowly on the distribution and transmission portions of customers' bills, Eversource has lost perspective on the total impact of DG. To use a common expression, Eversource does not see the forest for the trees.

# Q20. WHY DOES EVERSOURCE THINK THERE IS A COST SHIFT AS THE RESULT OF HIGHER-THAN-APPROPRIATE COMPENSATION FOR DG?

Fundamentally, Eversource's argument is premised on the incorrect assertion that net metered facilities provide energy and capacity "that are identical to those provided by large, central station generation resources" (Joint Testimony at 15-16). I disagree. DG is by definition distributed. The geographic distribution of DG is completely different than centralized power. Most importantly, the use of the energy infrastructure needed for enduse is drastically different. The many differences between DG and central generation

- result in the substantial benefits of DG. Even though customers cannot tell the difference
  between electrons of electricity generated by DG compared to central generation, the
  location and source of the DG make net metering facilities fundamentally different from
  central generation.
- 5 Q21. IF DG IS DIFFERENT FROM CENTRAL GENERATION, DOES IT MAKE
- 6 SENSE TO COMPENSATE DG IN THE SAME MANNER AS CENTRAL
- **GENERATION?**
- 8 A21. No, it does not make sense to compensate DG in the same manner as central generation.
- Even resources at the wholesale energy level are compensated differently depending on a
- variety of factors, including location. Net metering is a retail program because DG is used
- by retail customers at end-use retail sites. Net metering is not a wholesale energy product.
- 12 Q22. DID EVERSOURCE CALCULATE THE COST SHIFT ASSOCIATED WITH
- 13 **NET METERING?**
- 14 A22. Eversource conducted an analysis.
- 15 Q23. DO YOU AGREE WITH EVERSOURCE'S COST SHIFT ANALYSIS?
- 16 A23. I do not. According to the Company, there is a cost shift of over \$5.2 million dollars per
- year. However, \$4.3 million of this alleged cost shift is from over-market payments. As I
- just discussed, compensating DG at rates above wholesale is not inappropriate because of
- the different attributes of DG when compared to central generation. Accordingly, the \$4.3
- 20 million figure should be rejected, because it doesn't represent a cost shift.

Prefiled Rebuttal Testimony of Nathan Phelps Docket No. DE 16-576 December 21, 2016 Page 11 of 19

1

2

3

4

5

6

7

9

Furthermore, Eversource states that the estimated cost shift "includes \$947 thousand

dollars (sic) from lost revenues that support the delivery system" (Joint Testimony at 18).

First, this is factually untrue using the Company's own analysis. According to Exhibit

RCL/RDJ-1 at 6, the lost revenues associated with the delivery system are \$568,629.

Second, Eversource uses the term "lost revenues" as synonymous with cost shift.

However, the Company doesn't actually lose any revenue associated with reconciling

mechanisms; the only revenue that the Company actually loses is associated with the base

distribution rate. As such, the \$568,629 would need to be adjusted downward in order to

accommodate only lost revenues associated with the base distribution rate.

11

12

13

14

15

16

17

10

Nonetheless, as I explained in my direct testimony, cost shifting must be considered in

the context of the total impact of DG. Unfortunately, Eversource did exactly what I

warned against in my direct testimony, and looked at a potential cost shift on just one

portion of an electricity bill, and thereby ignored the benefits that accrue to everyone on

the other parts of an electricity bill and the benefits that accrue to everyone that are not

included on an electricity bill.

18

19

For all of the above reasons, Eversource's cost shift calculation is flawed and should be

20 rejected.

# IV. NET METERING IS CONSISTENT WITH PURPA

# Q24. ACCORDING TO EVERSOURCE, NET METERING BEGAN IN THE 1970'S AS A RESULT OF RISING ENERGY PRICES. IS THIS CORRECT?

and Massachusetts were the first two states to develop state-wide net metering programs.

No, it is not. Net metering – at least as an official policy – began in the 1980's. Arizona

- On July 23, 1981, the Massachusetts Department of Public Utilities issued order D.P.U.
- 535 which provided for net metering for qualifying facilities ("QFs") of 30 kilowatts
- 7 ("kW") or less.<sup>2</sup> On July 27, 1981, Arizona Corporation Commission Decision No. 52345
- allowed net metering for QFs of 100 kW or less.<sup>3</sup> Subsequent to these decisions, many
- 9 states have adopted net metering through regulations or statutes.

# 10 Q25. WERE THE ARIZONA AND MASSACHUSETTS PROGRAMS IMPLEMENTED 11 AS A RESULT OF PURPA?

12 A25. Yes. Net metering exists as a result of the implementation of PURPA. For instance, in
13 Massachusetts the Department of Public Utilities found that the avoided cost for small

12

Regulations Promulgated by the Department of Public Utilities, to establish rules by which a rate or rates may be calculated for sale of electrical energy by small power producers or cogenerators to electric utility companies under the Department's ratemaking jurisdiction; and other rules determined necessary to carry out the purposes of the Public Utility Regulatory Policies Act ("PURPA"), Title II, Sections 201 and 210. These regulations are promulgated pursuant to 18 C.F.R. 292 and are in accordance with G.L. c. 30A, §2, D.P.U. 535, at 7-8 (1981). Henceforth referenced as D.P.U. 535.

Yih-huei Wan, National Renewable Energy Laboratory, *Topical Issues Brief: Net Metering Programs* (1996), at 9.

- QFs was equal to the retail rate, and therefore net energy billing method (as it was called
- 2 in the order) was appropriate.<sup>4</sup>

# 3 Q26. ACCORDING TO THE COMPANY, THE NET METERING FRAMEWORK

# 4 VIOLATES PURPA (JOINT TESTIMONY AT 17, 21). IS THIS TRUE?

- 5 A26. No. As just discussed, the genesis of net metering came out of the implementation of
- 6 PURPA. The relevant public utility commissions set the avoided cost at the retail rate for
- the small facilities. In states where net metering was established via statute, even though
- 8 there is no regulatory precedent on setting the avoided cost at the retail rate, the
- 9 implication is the same.

# 10 Q27. HAS THE FEDERAL ENERGY REGULATORY COMMISSION ("FERC")

#### 11 **REVIEWED NET METERING?**

- 12 A27. Yes. FERC has upheld that net metering is consistent with federal law in *MidAmerican*
- 13 Energy, 94 FERC 61,340 (2001); and Sun Edison LLC, 129 FERC 61,146 (2009).

# V. EVERSOURCE PROPOSAL

#### 14 O28. HAVE YOU REVIEWED THE PROPOSAL DISCUSSED BY WITNESS DAVIS?

15 A28. Yes, I have.

\_

D.P.U. 535-Rules at 11.

# Q29. PLEASE DESCRIBE THE PROPOSAL.

A29. Although Mr. Davis does not frame the Eversource proposal this way, the Company is proposing to create a new rate class for all DG customers.<sup>5</sup> Under the Eversource proposal, DG customers would be placed on a three-part rate, which includes a customer charge, a non-coincident peak demand charge, and an energy charge (Direct Testimony of Davis at 3, 7; Response to Data Request EFCA 3-14; Response to Data Request OCA 2-5; Response to Data Request Staff 2-38; Response to Data Requests TASC 3-5 and 3-11). In addition to the three-part rate, the Company proposes monthly netting only for default service, and net metering credits calculated at PURPA avoided cost (Direct Testimony of Davis at 3, 5-6; Response to Data Request NHSEA 3-32; Response to Data Request TASC 3-5).

# Q30. WHAT IS YOUR RECOMMENDATION FOR EVERSOURCE'S PROPOSAL?

A30. The Commission should reject the Company's proposal as unsubstantiated. As I described earlier, Eversource asserts that there is a fundamental difference between DG customers and non-DG customers, but the Company fails to provide any non-theoretical evidence. Thorough evaluation of the proposal is premature without factual evidence.

The Commission should reject Eversource's proposal in this proceeding, and require any such future proposal to be supported by evidence.

-

1

2

3

4

5

6

7

8

9

10

11

The Company does, however, acknowledge that "In a future rate case, the Company expects to treat full and partial requirements customers as separate costing classes in a cost of service study" (Response to Data Request TASC 3-10).

#### 1 Q31. DOES NHSEA ADDRESS DEMAND CHARGES IN THIS PROCEEDING?

- 2 A31. Yes. Witness Bride addresses demand charges in both direct testimony and rebuttal
- testimony. (Direct Testimony of James D. Bride at 23-24; Rebuttal Testimony of James
- 4 D. Bride at 10-13)

6

7

11

12

13

14

15

16

17

18

19

20

# 5 Q32. AS PART OF THE COMPANY'S ANALYSIS, DID EVERSOURCE CONSIDER

THE IMPACTS OF ITS PROPOSAL ON GROUP NET METERING AND DG

## DEVELOPMENT IN GENERAL?

- 8 A32. No. According to the Company, "Eversource did not undertake to evaluate or offer
- 9 testimony about how its proposal may, or may not, affect the development of group net
- metering projects in New Hampshire" (Response to Data Request Staff 2-46).

#### O33. WHAT IS GROUP NET METERING?

A33. Group net metering is a highly equitable program that allows all customers to avail themselves of the benefits of DG regardless of their living situation (*e.g.* renters, and condominium owners), financial situation (*e.g.* the ability to pay for the upfront costs of solar), or location (*e.g.* shaded roof). Logistically, a company organizes customers (or a group of customers organize themselves) in order to share the benefits of a Group net metering project. The group net metering project serves as a proxy to each participating group net metering customer installing their own DG. When the group net metering project generates electricity, the distribution company creates net metering credits based on the electricity, and then allocates the net metering credits to participating group net

metering customers. Group net metering democratizes DG, and allows all ratepayers to 1 2

participate in net metering.

#### **O34.** WHAT ARE THE IMPLICATIONS OF EVERSOURCE'S PROPOSAL ON

#### **GROUP NET METERING?**

3

4

13

14

15

16

17

18

19

20

A35.

Eversource's proposal would cripple group net metering. As explained earlier, the 5 A34. Company proposes to reduce net metering credit calculations to PURPA avoided cost. 6 Since group net metering inherently only involves allocating net metering credits (as 7 opposed to using electricity on-site before the creation of net metering credits) to 8 participating group net metering customers, the direct benefits to participating group net 9 metering customers is severely reduced. 10

#### O35. PLEASE DESCRIBE THE CHANGE IN NET **METERING CREDIT** 11 CALCULATIONS FOR GROUP NET METERING. 12

Currently, the net metering credit calculation is based on the default energy service rate for projects over 100 kW, which currently for Eversource is \$0.10950/kWh. Eversource proposes to reduce the compensation to the PURPA avoided cost rate, which is currently \$0.02892/kWh for non-solar DG, and \$0.03099/kWh for solar DG.<sup>6</sup> For all group net metering projects, Eversource is proposing more than a 70 percent reduction in the value of net metering credits. Since group net metering is entirely dependent on net metering credits for net metering compensation, the Company's proposed change would drastically reduce – if not eliminate – the viability of group net metering in New Hampshire.

There is also a capacity avoided cost of \$3.112/kW-month.

# 1 Q36. DID EVERSOURCE CREATE A MODEL OF THE IMPACTS OF ITS

#### PROPOSAL ON A THEORETICAL PROJECT?

- 3 A36. Yes. The Company provided a model as part of testimony (Joint Testimony at 28-29;
- 4 Exhibit RCL/RDJ-2).

#### 5 Q37. DID YOU REVIEW THE MODEL?

6 A37. Yes, I did.

2

#### 7 O38. DID YOU FIND ANY FLAWS WITH THE MODEL?

- 8 A38. Yes. According to Eversource, the average PV system costs \$3,530 per kW (Joint
- 9 Testimony at 28-29; Exhibit RCL/RDJ-2). According to the Company:

Eversource extracted data related to 201 residential systems in the Eversource territory and determined the average installed cost for each system. The 201 data points were sorted from highest price to lowest price. The \$3530 value is the average price of the 50 projects in the third quartile. (Response to Data Request Staff 2-26).

After review of the spreadsheet provided as part of the Response to Data Request Staff 2-26, the Company did not perform the analysis as described. The Company did have a data set of 201 residential systems, but the data set was sorted by installed date, rather than installed cost. As a result, the Company's average price of the 50 projects in the third quartile was actually an average price of projects installed between May 20, 2016 and June 21, 2016. If the data set was sorted as described, the average installed price in the Eversource service territory for projects in the third quartile was \$3,877 per kW.

23

15

16

17

18

19

20

21

Furthermore, in the Company's model, the average system size is 5.70 kW. However, the average system size of projects in the third quartile installed in the Eversource service territory using the aforementioned data set is 7.58 kW. The difference in size creates a disconnect in the model. Since larger systems are generally cheaper per kW,<sup>7</sup> the cost of \$3,877 per kW would need to be adjusted upward in order to account for the smaller system size.

# Q39. DO YOU HAVE ANY OTHER CONCERNS ABOUT EVERSOURCE'S MODEL?

39. Yes. The model includes five assumptions: (1) system size; (2) cost (\$/kW); (3) eligibility for full state rebate; (4) capacity factor; and (5) renewable energy certificate ("REC") value (\$/REC). Each of these assumptions impacts the model, and should be evaluated if the Commission finds a model to be useful. In addition, I note that the model does not account for the time value of money.

Furthermore, I agree with Eversource that "each net metering project is evaluated based on a number of factors including the desires and needs of individual developers or customers" (Response to Data Request Staff 2-46). While economics almost certainly plays a key role in the development of DG, other customer motivations – such as simplicity – also play a role. Accordingly, the Commission should not rely strictly on any

Although not uniformly true, larger PV systems are cheaper because the soft costs (*e.g.* non-hardware costs) are spread over a larger capacity, and increased buying power (*e.g.* cheaper hardware costs).

- model when considering proposals in the immediate docket, but should also consider the
- 2 traditional ratemaking principles made famous by Bonbright.<sup>8</sup>

#### VI. CONCLUSION AND RECOMMENDATIONS

### 3 Q40. PLEASE SUMMARIZE YOUR RECOMMENDATIONS.

- 4 A40. After review of Eversource's testimony, I recommend that the Commission reject
- 5 Eversource's assertions of a cost shift. Eversource's position is flawed because
- 6 (1) Eversource's argument is theoretical, and not based on evidence; (2) Eversource
- 7 misconstrues the implications of reduced revenue collection; and (3) Eversource ignores
- 8 the totality of benefits of DG.
- I also recommend that the Commission reject Eversource's false conclusion that net
- metering is inconsistent with PURPA. In fact, net metering traces its origins to PURPA.
- Finally, I recommend that the Commission reject Eversource's proposal as
- unsubstantiated and require any such future proposal to be supported by evidence.
- Eversource asserts that there is a fundamental difference between DG customers and non-
- DG customers, but the Company fails to provide any non-theoretical evidence.

## 15 Q41. DOES THIS CONCLUDE YOUR TESTIMONY?

16 A41. Yes, it does.

\_

James C. Bonbright, Principles of Public Utility Rates (1st ed. 1961).