

**REGULAR CALENDAR**

**March 3, 2022**

**HOUSE OF REPRESENTATIVES**

**REPORT OF COMMITTEE**

**The Majority of the Committee on Science, Technology and Energy to which was referred HB 1596-FN,**

**AN ACT relative to net energy metering limits for individual and business customers. Having considered the same, report the same with the following resolution: RESOLVED, that it is INEXPEDIENT TO LEGISLATE.**

**Rep. JD Bernardy**

**FOR THE MAJORITY OF THE COMMITTEE**

## **MAJORITY COMMITTEE REPORT**

Committee:	<b>Science, Technology and Energy</b>
Bill Number:	<b>HB 1596-FN</b>
Title:	<b>relative to net energy metering limits for individual and business customers.</b>
Date:	<b>March 3, 2022</b>
Consent Calendar:	<b>REGULAR</b>
Recommendation:	<b>INEXPEDIENT TO LEGISLATE</b>

### **STATEMENT OF INTENT**

This bill increases the electric generating capacity of customer generators who may participate in expanded net energy metering. The majority found that increasing net metering is likely socially regressive by cost shifting to customers that do not generate electricity through solar or wind technology. Additionally, there is an ongoing study of net metering being conducted by the Public Utilities Commission with results expected later this spring. It is premature to legislate before these results are known. Finally, net metering was recently expanded for municipalities with the passage of HB 315. It is appropriate to understand the consequences of this change before expanding it more broadly.

Vote 13-9.

Rep. JD Bernardy  
FOR THE MAJORITY

Original: House Clerk  
Cc: Committee Bill File

## REGULAR CALENDAR

Science, Technology and Energy

**HB 1596-FN**, relative to net energy metering limits for individual and business customers.  
**MAJORITY: INEXPEDIENT TO LEGISLATE. MINORITY: OUGHT TO PASS.**

Rep. JD Bernardy for the **Majority** of Science, Technology and Energy. This bill increases the electric generating capacity of customer generators who may participate in expanded net energy metering. The majority found that increasing net metering is likely socially regressive by cost shifting to customers that do not generate electricity through solar or wind technology. Additionally, there is an ongoing study of net metering being conducted by the Public Utilities Commission with results expected later this spring. It is premature to legislate before these results are known. Finally, net metering was recently expanded for municipalities with the passage of HB 315. It is appropriate to understand the consequences of this change before expanding it more broadly. **Vote 13-9.**

**REGULAR CALENDAR**

**March 3, 2022**

**HOUSE OF REPRESENTATIVES**

**REPORT OF COMMITTEE**

**The Minority of the Committee on Science, Technology and Energy to which was referred HB 1596-FN,**

**AN ACT relative to net energy metering limits for individual and business customers. Having considered the same, and being unable to agree with the Majority, report with the recommendation that the bill OUGHT TO PASS.**

**Rep. Rebecca McWilliams**

**FOR THE MINORITY OF THE COMMITTEE**

## **MINORITY COMMITTEE REPORT**

Committee:	<b>Science, Technology and Energy</b>
Bill Number:	<b>HB 1596-FN</b>
Title:	<b>relative to net energy metering limits for individual and business customers.</b>
Date:	<b>March 3, 2022</b>
Consent Calendar:	<b>REGULAR</b>
Recommendation:	<b>OUGHT TO PASS</b>

### **STATEMENT OF INTENT**

This bill would increase the renewable energy net metering cap from 1 MW to 5 MW for all potential energy producers, including: individuals, businesses, and large campus consumers. This bill opens the door for 21st century energy jobs across NH, building on the similar net metering cap increase signed into law last year for municipalities. NH's economic security in the future hinges on energy independence. This winter we have been burning oil as a marginal fuel, and we are extremely dependent on natural gas. This means the current NH energy market is subjected to the whims of the volatile global gas market, exacerbated by the Ukraine conflict. This bill sets the table to create home-grown, renewable energy at home with minimal transmission costs. Municipalities across NH have committed to renewable energy production and consumption goals, and this bill is the next step to help achieve those goals. For example, Concord, Keene, Cornish, Hanover, and Plainfield have committed to use 100% renewable electricity by 2030. It is time to build a resilient local renewable energy future right here in the Granite State.

Rep. Rebecca McWilliams  
FOR THE MINORITY

Original: House Clerk  
Cc: Committee Bill File

## REGULAR CALENDAR

Science, Technology and Energy

**HB 1596-FN**, relative to net energy metering limits for individual and business customers. **OUGHT TO PASS.**

Rep. Rebecca McWilliams for the **Minority** of Science, Technology and Energy. This bill would increase the renewable energy net metering cap from 1 MW to 5 MW for all potential energy producers, including: individuals, businesses, and large campus consumers. This bill opens the door for 21st century energy jobs across NH, building on the similar net metering cap increase signed into law last year for municipalities. NH's economic security in the future hinges on energy independence. This winter we have been burning oil as a marginal fuel, and we are extremely dependent on natural gas. This means the current NH energy market is subjected to the whims of the volatile global gas market, exacerbated by the Ukraine conflict. This bill sets the table to create home-grown, renewable energy at home with minimal transmission costs. Municipalities across NH have committed to renewable energy production and consumption goals, and this bill is the next step to help achieve those goals. For example, Concord, Keene, Cornish, Hanover, and Plainfield have committed to use 100% renewable electricity by 2030. It is time to build a resilient local renewable energy future right here in the Granite State.

Original: House Clerk

Cc: Committee Bill File

**HOUSE COMMITTEE ON SCIENCE, TECHNOLOGY AND ENERGY**

**EXECUTIVE SESSION on HB 1596-FN**

**BILL TITLE:** relative to net energy metering limits for individual and business customers.

**DATE:** March 1, 2022

**LOB ROOM:** 306-308

**MOTIONS: INEXPEDIENT TO LEGISLATE**

Moved by Rep. Bernardy

Seconded by Rep. Cambrils

Vote: 13-9

**CONSENT CALENDAR: NO**

**Statement of Intent:** Refer to Committee Report

Respectfully submitted,

Rep Fred Plett, Clerk



## 2022 SESSION

## Science, Technology and Energy

Bill #: HB1596-FN Motion: ITL AM #: \_\_\_\_\_ Exec Session Date: March 1, 2022

<u>Members</u>	<u>YEAS</u>	<u>Nays</u>	<u>NV</u>
Vose, Michael Chairman	x		
Thomas, Douglas W. Vice Chairman	x		
Harrington, Michael D.	x		
Notter, Jeanine M.	x		
Merner, Troy E.	x		
Plett, Fred R. Clerk	x		
Berezhny, Lex	x		
Bernardy, JD	x		
Cambrils, Jose E.	x		
Ploszaj, Tom	x		
White, Nick D.	x		
Lewicki, John	x		
<del>Somssich, Peter F.</del> Massimilla, Linda		x	
Cali-Pitts, Jacqueline A.		x	
Mann, John E.		x	
Oxenham, Lee Walker		x	
<del>Vincent, Kenneth S.</del> Horrigan, Tim		x	
McGhee, Kat		x	
McWilliams, Rebecca J.		x	
<del>Chretien, Jacqueline H.</del> Hakken-Phillips, Mary		x	
Pimentel, Roderick L.	x		





2022 SESSION

Science, Technology and Energy

Bill #: HB1596-FN Motion: ITL AM #: \_\_\_\_\_ Exec Session Date: March 1, 2022

Parshall, Lucius

TOTAL VOTE:

			x	
	13		9	

HOUSE COMMITTEE ON SCIENCE, TECHNOLOGY AND ENERGY

PUBLIC HEARING ON HB 1596-FN

**BILL TITLE:** relative to net energy metering limits for individual and business customers.

**DATE:** February 8, 2022

**LOB ROOM:** 306-308 **Time Public Hearing Called to Order:** 9:02 a.m.

**Time Adjourned:** 10:09 a.m.

**Committee Members:** Reps. Vose, Thomas, Plett, Notter, Merner, Bernardy, Ploszaj, White, Lewicke, Cali-Pitts, McGhee, McWilliams, Pimentel and Parshall

**Bill Sponsors:**

Rep. McWilliams  
Sen. Rosenwald

Rep. Oxenham  
Sen. Watters

Rep. Wolf

TESTIMONY

\* Use asterisk if written testimony and/or amendments are submitted.

Rep. McWilliams – build on success last year going from 1-5 MW, vetoed by Governor – limited to municipalities – trying again, broader to businesses. MA & ME already there. Vose - Fiscal note – is state downshifting costs to municipalities? Answer long term will reduce transmission – result, leveling and reduction of transmission. Short term maybe some downshift. Stability in grid due to diversity of resources – TX different. Stability, adding additional sources are a good thing. Lewicki – Two questions – recognizing solar and AC during summer, but what now in winter? Answer – need batteries, no solar on rainy day. Lweicki – Amoskeag Falls – 16 MW – are there likely to be 100 MW + sites? Answer – not aware. When larger than 1 MW need an off taker – utilities may be an off-taker. May need to wait to get distribution analysis? Large solar array or wind farm? Plett – still need distribution analysis for private off-taker? Yes. McGhee – scattershot rather than long term plan? Answer - The intent is to ease us into next step into large renewable energy from local sources. Intended to move forward for next 10 years. Cost of natural gas. Plett - Default Service rate – locking PUC in to unreasonable cost shift? Default can change. Thomas – Settlement agreements shall not apply? Why in there? P. 3 – what is the language supposed to mean paragraph (e)? Answer – since they are sending to utility under power positive, different rate should apply since the use is not to send to grid but for own use. Vose – Could you describe how bill differs from bills vetoed by governor?? Answer - Private, since municipal got passed. We will get data from DOE on municipal. Vose – remote network – I don't see that NH doesn't pays more. Answer- more local will reduce costs. McWilliams – shifting entire market. We are being left behind. I buy 1005 wind, but most customers don't think that way. She wants more home grown electricity. Rep. Lewicki – you mentioned batteries – need enough to store electricity. How big are batteries – how long can they last? 18-wheeler – that size full of batteries for 3-4 days, 20 houses. 5 MW solar development – how much battery required? Didn't answer precisely. Merner – big scale project in Littleton – storage. Harrington put in bill so could be evaluated by Site Evaluation Committee.

Marc Brown, Consumer Energy Alliance. CEA supports cleaner future. CEA supports local grown generation – no hurdle now, issue is compensation. Twelve month average of regional load graph, MA is 46.2% regional transmission, 45.7% 2014 60 2021. NH 94. To 9.7%. MA spent tens of billions of dollars, return isn't substantially there. Studies show that net metering policies are regressive, shifting costs to poorer people. Socially regressive. MA puts in low income adders, exceeding over \$100 million now. Default service rate well above market rates. NH is part of regional grid, energy produced, NH net exporter of energy. Plett – would new local net metering increase transmission need since we ar a net exporter? Difficult to say. Local generation desirable of not? Yes – perspective. Solar rejected. Notter – wind regressive? Yes. Bill would incentivize above market

rates, PURPA prescribed avoided costs. McGhee - is regional load based on monthly peaks? Yes. McGhee – socially regressive when taking care of climate concerns disproportionately poor? Answer - Tough to say. Exporting emissions to other countries less responsible. Cost shifts are occurring from solar to non-solar. Somssich – Surprised by comments – DES has provided documents consistently said transmission costs are rising? You can pick any start point and show what you want. MA spent \$10's of billions for minimal return. Somssich – How do you see offshore wind? If for firm power for reasonable rates, great! Depends on contracts structure. Bernardy – net metering increases costs for consumers – how much – PUC doing a study on that. Not going to be conclusive. We should put a pause on net metering until that comes out.

Griffin Roberge- DOE – Here to respectfully oppose- two reasons – fiscal note and Mr. Brown, we are doing a study now. DE16-576 PUC study, premature. DOE it is doing its own. HB315 signed into law last year SB91 – modest increases – Hydro Milton, Berlin, Hillsborough. Somssich – documents from PUC – no observable cost shifting. Yes, based on data at that time. Factors change over time. 3-4 years ago. How much increase in renewable energy since? Answer – RPS increases, municipal host bill, etc. Study will show, In 3-4 years some increase, market factors. Concrete answer will come. Cali-Pitts -if most of cost is borne by ratepayers, would people be incentivized to sell electricity rather than tomatoes? Couldn't reasonably answer. McGhee – opposed due to two studies – DE16 means opened in 2016, 5-6 years? Yes, long time, due late spring of 2022.



# House Remote Testify

## Science, Technology and Energy Committee Testify List for Bill HB1596 on 2022-02-08

Support: 105 Oppose: 5 Neutral: 1 Total to Testify: 0

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<u>Name</u>	<u>City, State</u> <u>Email Address</u>	<u>Title</u>	<u>Representing</u>	<u>Position</u>	<u>Testifying</u>	<u>Non-Germane</u>	<u>Signed Up</u>
Watters, Senator David	Dover, NH david.watters@leg.state.nh.us	An Elected Official	Myself	Support	No	No	2/2/2022 12:20 PM
Kubit, Joy	New london, NH joykubit@gmail.com	A Member of the Public	Myself	Support	No	No	2/4/2022 4:30 PM
Beck, Jerry	Holderness, NH bentrimone@gmail.com	A Member of the Public	Myself	Support	No	No	2/5/2022 8:48 AM
Moffett, Howard	Canterbury, NH howard.m.moffett@gmail.com	A Member of the Public	Myself	Support	No	No	2/5/2022 1:42 PM
smith, jennifer	Pembroke, NH jaycmd7699@gmail.com	A Member of the Public	Myself	Support	No	No	2/5/2022 5:36 PM
Burns, Scott	Franklin, NH scottaburns.2020@gmail.com	A Member of the Public	Myself	Support	No	No	2/5/2022 11:52 PM
Glass, jonathan	Cornish, NH jglass1063@gmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 10:27 AM
Crandell-Glass, Jane	Cornish, NH bostonjane@me.com	A Member of the Public	Myself	Support	No	No	2/6/2022 10:36 AM
RHOADES, CHARLES	Dover, NH chuckrhoades@comcast.net	A Member of the Public	Myself	Support	No	No	2/6/2022 4:28 PM
Dinzeo, David	Dover, NH dinz00@comcast.net	A Member of the Public	Myself	Support	No	No	2/6/2022 5:10 PM
Rhoades, Melanie	DOVER, NH melanierhoades@hotmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 6:05 PM
Koning, Catherine	Rindge, NH koningc@franklinpierce.edu	A Member of the Public	Myself	Support	No	No	2/6/2022 7:26 PM
Richardson, Daniel	Nashua, NH daniel6_22@comcast.net	A Member of the Public	Myself	Neutral	No	No	2/6/2022 7:42 PM

QUISUMBING-KING, Cora	Dover, NH coraq@comcast.net	A Member of the Public	Myself	Support	No	No	2/6/2022 7:53 PM
Perencevich, Ruth	Concord, NH rperence@comcast.net	A Member of the Public	Myself	Support	No	No	2/6/2022 9:28 PM
Hatcher, Phil	Dover, NH phil.hatcher@gmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 9:39 PM
Zaenglein, Barbara	AMHERST, NH bzaenglein@gmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 9:51 PM
Chase, Susan	Andover, NH srfchase@gmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 9:59 PM
Aronson, Laura	Manchester, NH laura@mlans.net	A Member of the Public	Myself	Support	No	No	2/6/2022 10:06 PM
Kelly, Fran	Amherst, NH fr.kelly01@gmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 10:25 PM
Clark, Denise	Milford, NH denise.m.clark03055@gmail.com	A Member of the Public	Myself	Support	No	No	2/6/2022 10:38 PM
Lucas, Janet	Campton, NH janluca1953@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 7:14 AM
hatch, sally	Concord, NH sallyhatch@comcast.net	A Member of the Public	Myself	Oppose	No	No	2/7/2022 8:08 AM
Mooney, Bridget	Wilton, NH Bridget@moonchick.com	A Member of the Public	Myself	Support	No	No	2/7/2022 9:00 AM
Rosenwald, Cindy	Nashua, NH cindy.rosenwald@leg.state.nh.us	An Elected Official	SD 13	Support	No	No	2/7/2022 9:00 AM
Corell, Elizabeth	Concord, NH Elizabeth.j.corell@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 9:02 AM
Lieberman, Sheryl	Merrimack, NH saml54@comcast.net	A Member of the Public	Myself	Support	No	No	2/7/2022 9:04 AM
Cahill-Yeaton, Miriam	Epsom, NH nmyeaton.mims@yahoo.com	A Member of the Public	Myself	Support	No	No	2/7/2022 10:21 AM
Smith, Sara	Pembroke, NH sara.rose.ssmith@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 10:26 AM
Gordon, Laurie	Weare, NH lmgord23@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 10:42 AM
Hurley, Paula	Concord, NH graffymanor@comcast.net	A Member of the Public	Myself	Support	No	No	2/7/2022 10:56 AM

Friedman, Richard	Bedford, NH friedman946@yahoo.com	A Member of the Public	Myself	Support	No	No	2/7/2022 10:56 AM
Gordon, Margaret	Weare, NH Megordon98@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 11:01 AM
Hamer, Heidi	Manchester, NH heidi.hamer@leg.state.nh.us	An Elected Official	Myself	Support	No	No	2/7/2022 11:26 AM
Koch, Laurie	Concord, NH kochlj@aol.com	A Member of the Public	Myself	Support	No	No	2/7/2022 11:26 AM
Campbell, Karolyn	Epsom, NH kkcampbell43@yahoo.com	A Member of the Public	Myself	Support	No	No	2/7/2022 11:46 AM
Martin, Patricia A	Rindge, NH pmartin2894@yahoo.com	A Member of the Public	Myself	Support	No	No	2/7/2022 11:53 AM
Josephson, Helina	Canaan, NH helinahappy@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 12:34 PM
Dontonville, Roger	Enfield, NH rdontonville@gmail.com	An Elected Official	Myself	Support	No	No	2/7/2022 12:36 PM
Bouchard, Donald	MANCHESTER, NH donaldjbouchard@gmail.com	An Elected Official	Myself	Support	No	No	2/7/2022 12:55 PM
Mitchell, Karen	Mont Vernon, NH kmitchell15@myfairpoint.net	A Member of the Public	Myself	Support	No	No	2/7/2022 1:07 PM
Berk, Bruce	Pittsfield, NH bruce.berk.nh@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 1:25 PM
Tucker, Katherine	Wilmot, NH katherine.s.tucker@valley.net	A Member of the Public	Myself	Support	No	No	2/7/2022 1:31 PM
Doherty, David	Pembroke, NH ddoherty0845@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 1:40 PM
Laker-Phelps, Gail	Chichester, NH lpsart@tds.net	A Member of the Public	Myself	Support	No	No	2/7/2022 1:53 PM
Shamel, Susan	Hillsborough, NH Susanshamel@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 1:57 PM
Thorn, Andrea	Newmarket, NH dreathorn@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 2:00 PM
Chase, wendy	Rollinsford, NH wendy.chase@leg.state.nh.us	An Elected Official	Myself	Support	No	No	2/7/2022 2:04 PM
Mattlage, Linda	Concord, NH l.mattlage@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 2:59 PM

Beffa-Negrini, Patricia	Nelson, NH pbeffa@me.com	A Member of the Public	Myself	Support	No	No	2/7/2022 3:24 PM
Moore, Janet	Andover, NH Jmpcilley@tds.net	A Member of the Public	Myself	Oppose	No	No	2/7/2022 3:28 PM
olson, alix	canaan, NH alixmartha22@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 3:50 PM
Weber, Jill	Mont Vernon, NH jill@frazilfarms.com	A Member of the Public	Myself	Support	No	No	2/7/2022 4:09 PM
Merlone, Lynn	Rindge, NH prulone@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 4:19 PM
Hershey, Jane	Rindge, NH janelhershey@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 4:19 PM
Thomas, Anne	Rindge, NH annekerosie@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 4:19 PM
thompson, julia	durham, NH maple371@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 5:30 PM
Lane, Connie	Concord, NH connie.lane@leg.state.nh.us	An Elected Official	Merrimack District 12	Support	No	No	2/7/2022 5:45 PM
Hinebauch, Mel	Concord, NH melhinebauch@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 5:45 PM
Torpey, Jeanne	Concord, NH jtorp51@comcast.net	A Member of the Public	Myself	Support	No	No	2/7/2022 5:56 PM
Peterson, Susan	Newton, NH susanrp@aol.com	A Member of the Public	Myself	Support	No	No	2/7/2022 6:11 PM
Rich, Martha	Enfield, NH martha.rich@thet.net	A Member of the Public	Myself	Support	No	No	2/7/2022 6:25 PM
Pidgeon, Dawna	Enfield, NH dawna.pidgeon@comcast.net	A Member of the Public	Myself	Support	No	No	2/7/2022 6:26 PM
Chase-Rowell, Lauren	Nottingham, NH laurenchaserowell@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 7:44 PM
Rich, Cecilia	Somersworth, NH cecilia.rich@leg.state.nh.us	An Elected Official	Myself	Support	No	No	2/7/2022 8:21 PM
Richards, John	Holderness, NH salmon246@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 8:24 PM
Istel, Claudia	Acworth, NH cistel79@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 8:45 PM



Cahill, Michael	Newmarket, NH michael.cahill@leg.state.nh.us	An Elected Official	Myself	Support	No	No	2/7/2022 8:48 PM
Lewandowski, Jean	Nashua, NH jlewando@hotmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 8:51 PM
Rettew, Annie	Concord, NH abrettew@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 8:54 PM
Brennan, Nancy	Weare, NH burningnan14@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 9:11 PM
Spencer, Louise	Concord, NH lpskentstreet@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 9:36 PM
Gelsey, Giana	MADBURY, NH gagelsey@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 9:40 PM
Spencer, Rob	Concord, NH kentstusa@aol.com	A Member of the Public	Myself	Support	No	No	2/7/2022 9:42 PM
Richman, Susan	Durham, NH susan7richman@gmail.com	A Member of the Public	Myself	Support	No	Yes	2/7/2022 9:56 PM
Hamblet, Joan	Portsmouth, NH jhamblet4@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 10:16 PM
Coon, Kate	Peterborough, NH kate2coon@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 10:51 PM
Verschueren, James	Dover, NH jd.verschueren@gmail.com	A Member of the Public	Myself	Support	No	No	2/7/2022 11:03 PM
Grassie, Chuck	Rochester, NH chuck.grassie@leg.state.nh.us	An Elected Official	Strafford 11	Support	No	No	2/7/2022 11:58 PM
Emus, Joanne	Hollis, NH jremus0322@aol.com	A Member of the Public	Myself	Support	No	No	2/8/2022 12:39 AM
Woods, Renia	Bow, NH renia.woods1@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 1:21 AM
Couture, Matthew	Rochester, NH coochdog@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 6:06 AM
Saum, Judith	Rumney, NH judithsaum@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 6:13 AM
Bergevin, Leslie	Loudon, NH Leslie.bergevin@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 6:48 AM
Bshueff, Catherine	Sunapee, NH agawamdesigns@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 6:53 AM

Poor, HERRIKA	Cornish, NH hwpoor@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 7:26 AM
Lewis, Elizabeth	Nashua, NH ecop.lewis@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 7:30 AM
kwasnik, joseph	concord, NH jkwasnik25@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 7:32 AM
Reardon, Donna	Concord, NH bugs42953@aol.com	A Member of the Public	Myself	Support	No	No	2/8/2022 7:51 AM
Smith, Suzanne	Hebron, NH zanne719@gmail.com	An Elected Official	Myself	Support	No	No	2/8/2022 7:52 AM
Gulla, Carol	NEWMARKET, NH crgulla@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:00 AM
Yacopucci, William	Franklin, NH wdycpp@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:00 AM
Ackerson, Kenneth	Franklin, NH ken.ackerson14@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:01 AM
Ackerson, Judith	Franklin, NH ackerjack45@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:01 AM
Wilke, Mary	CONCORD, NH wilke.mary@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:01 AM
Dewey, Karen	NEWPORT, NH pkdewey@comcast.net	A Member of the Public	Myself	Support	No	No	2/8/2022 8:05 AM
Dontonville, Anne	Enfield, NH Ardontonville@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:17 AM
HALLOCK, LINDA	Cornish, NH lindash@mail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:20 AM
Moore, Greg	Bedford, NH gmoore@afphq.org	A Lobbyist	Americans for Prosperity-New Hampshire	Oppose	No	No	2/8/2022 8:30 AM
FRIEDRICH, ED	Loudon, NH erfriedrich@yahoo.com	A Member of the Public	Myself	Support	No	No	2/8/2022 8:57 AM
McPeck, Gail	ENFIELD, NH gailamcpeek@gmail.com	A Member of the Public	Myself	Oppose	No	No	2/8/2022 9:07 AM
Hodsdon, Alan	CANTERBURY, NH alan.hodsdon@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 9:13 AM
Weston, Joyce	Plymouth, NH jweston14@roadrunner.com	An Elected Official	Myself	Support	No	No	2/8/2022 9:41 AM

Umiker, Richard	Randolph, NH rick.umiker@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 10:00 AM
Tilli-Pauling, Marianne	Amherst, NH m.tillipauling@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 10:09 AM
DeMark, Richard	Meredith, NH demarknh114@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 10:36 AM
DeMark, Harriet	Meredith, NH demarknh114@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 10:36 AM
Leavitt, Deborah	Dover, NH daleavitt77@comcast.net	A Member of the Public	Myself	Support	No	Yes	2/8/2022 11:11 AM
Stinson, Benjamin	CONCORD, NH benrkstinson@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 11:21 AM
Magruder, Joe	CONCORD, NH joe.magruder@gmail.com	A Member of the Public	Myself	Support	No	No	2/8/2022 11:49 AM
Diehl, Stanford	Concord, NH loki1958@yahoo.com	A Member of the Public	Myself	Oppose	No	No	2/8/2022 8:07 PM

**Archived:** Tuesday, May 24, 2022 10:40:40 AM

**From:** Daniel Richardson

**Sent:** Sunday, February 6, 2022 7:40:02 PM

**To:** ~House Science Technology and Energy

**Cc:** Tom Lanzara; Rebecca McWilliams; Lee Oxenham; Cindy Rosenwald; Rep. Terry Wolf; David Watters

**Subject:** In Reference to HB 1596 relative to net energy metering limits for individual and business customers

**Importance:** Normal

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Ref: February 8, 2022 Public Hearing

House Science, Technology and Energy Committee -

I write in reference to HB 1596. I am disposed to agree with this bill's objectives, however, the bill leave out important provisions. Independent, nonprofit regional transmission organizations and New England's bulk electric power producers need certainty in quality of the electricity introduced by qualifying facilities to be consistent and reliable for stable economic operation of the regional power grid. The continuous supply needs to be matched with demand.

This bill needs to invoke production regulation.

Daniel Richardson, Nashua

HB 1596-FN - AS INTRODUCED

2022 SESSION

22-2806

12/08

HOUSE BILL ***1596-FN***

AN ACT relative to net energy metering limits for individual and business customers.

SPONSORS: Rep. McWilliams, Merr. 27; Rep. Oxenham, Sull. 1; Rep. Wolf, Merr. 5; Sen. Rosenwald, Dist 13; Sen. Watters, Dist 4

COMMITTEE: Science, Technology and Energy

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ANALYSIS

This bill increases the electric generating capacity of customer generators who may participate in net energy metering and modifies the transition of tariffs applicable to certain customer-generators. The bill also clarifies the definition of eligible customer-generator for purposes of the utility property tax.

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Explanation: Matter added to current law appears in ***bold italics***.  
Matter removed from current law appears ~~[in brackets and struckthrough.]~~  
Matter which is either (a) all new or (b) repealed and reenacted appears in regular type.

STATE OF NEW HAMPSHIRE

*In the Year of Our Lord Two Thousand Twenty Two*

AN ACT relative to net energy metering limits for individual and business customers.

*Be it Enacted by the Senate and House of Representatives in General Court convened:*

1 1 Findings. The general court finds that:

2 I. New Hampshire's electricity consumers, including municipalities, manufacturers,  
3 commercial businesses, and other large users, strongly support more competitive retail options to  
4 lower their energy costs.

5 II. These same consumers deserve the freedom to invest their own capital to become more  
6 self-sufficient and energy independent and less reliant on out-of-state electricity companies that  
7 control our high electricity rates.

8 III. ISO-New England, Inc., the independent, nonprofit regional transmission organization  
9 that oversees the operation of New England's bulk electric power system and transmission lines, has  
10 stated that infrastructure constraints could pose a challenge to the reliable operation of the regional  
11 power grid, create price increases and volatility, and contribute to increased air emissions, all of  
12 which would adversely impact New Hampshire's citizens, businesses, and economy.

13 IV. The current size limit of one megawatt on customer-generators that may participate in  
14 net energy metering is an unnecessary barrier that denies larger electricity users the same rights  
15 that smaller users already have to produce and use local renewable power that reduces their energy  
16 costs, increases supply, and insulates all New Hampshire energy consumers from electric price  
17 volatility and higher transmission costs.

18 V. The current size limit is also a barrier to significant investment in existing and new small  
19 renewable energy projects, which would help keep our energy dollars in-state, drive economic  
20 activity, support good-paying jobs, and increase state and local business and property tax revenues.

21 VI. The federal Public Utility Regulatory Policies Act (PURPA) as amended by the Energy  
22 Policy Act of 2005 calls upon states to consider the adoption and implementation of net metering  
23 policies. PURPA as amended states that electricity generated by an eligible on-site generating  
24 facility may be used to offset electric energy provided by the electric utility and allows states to  
25 define an eligible facility. Furthermore, under ISO New England's rules, a generating facility of less  
26 than 5 megawatts that is connected to the distribution grid is not required to register with ISO New  
27 England as a generator or participate in the wholesale energy markets; rather, if the generating  
28 facility elects not to register as a wholesale market participant or retires from such status, the  
29 customer generator is to be treated by ISO New England as a retail load reducer.

30 VII. It is therefore also in the best interests of all citizens of New Hampshire that the size  
31 limit on customer-generators that may participate in net energy metering and serve as retail load

1 reducers be increased from one megawatt to up to but not including 5 megawatts to increase  
2 customer supply choice, foster a more robust retail market for local renewable energy, help mitigate  
3 the cost of electric service in the state, reduce the price volatility of that service, and reduce the  
4 potential for disruptions in electricity supply due to inadequate wholesale generating capacity in the  
5 New England marketplace.

6 2 Definition; Customer-generator. Amend RSA 362-A:1-a, II-b to read as follows:

7 II-b. "Eligible customer-generator" or "customer-generator" means an electric utility  
8 customer who owns, operates, or purchases power from an electrical generating facility either  
9 powered by renewable energy or which employs a heat led combined heat and power system, with a  
10 ~~[total peak generating]~~ **nameplate or maximum rated** capacity of ~~[up to and including one~~  
11 ~~megawatt,]~~ **less than 5 megawatts and** that is located behind a retail meter on the customer's  
12 premises, is interconnected and operates in parallel with the electric grid, and is used to offset the  
13 customer's own electricity requirements **in the first instance**. Incremental generation added to an  
14 existing generation facility, that does not itself qualify for net metering, shall qualify if such  
15 incremental generation meets the qualifications of this paragraph and is metered separately from  
16 the nonqualifying facility.

17 3 Net Energy Metering; Net Effects. Amend RSA 362-A:9, VII to read as follows:

18 VII.(a) A distribution utility may perform an annual calculation to determine the net effect  
19 this section had on its default service and distribution revenues and expenses in the prior calendar  
20 year. The method of performing the calculation and applying the results, as well as a reconciliation  
21 mechanism to collect or credit any such net effects with appropriate carrying charges and credits  
22 applied, shall be determined by the commission

23 (b) *For the purposes of accounting for any exports to the distribution grid by*  
24 *customer-generators, such exports shall be treated as reductions to the customer-*  
25 *generator's electricity supplier's wholesale load obligation for energy supply as a load*  
26 *servicing entity, net of any applicable line loss adjustments as approved by the commission.*

27 (c) *A generator that first becomes operational on or after July 1, 2019 shall only*  
28 *be eligible to participate in net metering as a customer-generator if it does not register as a*  
29 *generator with ISO England, is not considered a "Network Resource" or "Asset" by ISO New*  
30 *England, and does not participate in any other sale of electricity in interstate commerce.*

31 (d) *A generator that first became operational before July 1, 2019 and that has*  
32 *outstanding capacity commitments in the forward capacity market administered by ISO*  
33 *New England, is registered as a generator with ISO New England, or is considered a*  
34 *"Network Resource" or "Asset" by ISO New England, may elect to become a customer-*  
35 *generator and participate in net metering upon retirement from all wholesale electric*  
36 *markets administered by ISO New England. A generator in the process of retiring from*  
37 *FERC regulated electric markets may prospectively register as a group host pursuant to*

1 *paragraph XIV provided that net metering tariffs under this section shall not be effective*  
2 *until such retirement is effective.*

3 *(e) Any provisions of settlement agreements or orders that have been approved*  
4 *or issued by the commission that relate to a distribution utility's treatment of the output*  
5 *from qualifying facilities or independent power producers shall not apply to the output*  
6 *from an eligible customer-generator participating in net metering.*

7 4 Net Energy Metering; Transition of Tariffs. Amend RSA 362-A:9, XV to read as follows:

8 XV. Standard tariffs that are available to eligible customer-generators under this section  
9 shall terminate on December 31, 2040 and such customer-generators shall transition to tariffs that  
10 are in effect at that time. *Alternative tariffs shall be applicable and have such*  
11 *grandfathering provisions as may be approved or adopted by the commission under this*  
12 *section. Customer-generators with a nameplate or maximum rated capacity of more than*  
13 *one megawatt and less than 5 megawatts that are eligible for net metering before the*  
14 *commission adopts tariffs specifically for customer-generators with a generating capacity*  
15 *of more than one megawatt shall:*

16 *(a) Be eligible to receive the export credit rate approved by the commission in*  
17 *Order No. 26,029 (DE 16-576) for one megawatt sized customer-generators on default*  
18 *service, namely, the applicable default energy service rate.*

19 *(b) Be grandfathered by the terms of currently applicable tariffs for customer-*  
20 *generators with a total peak generating capacity of one megawatt if the customer-*  
21 *generator's electrical generating facility first becomes operational on or after July 1, 2019.*

22 *(c) Transition to such new tariffs as are specifically approved by the*  
23 *commission for customer-generators with a nameplate or maximum rated capacity of more*  
24 *than one megawatt if the customer-generator's electrical generating facility first became*  
25 *operational before July 1, 2019.*

26 5 Utility Property Tax; Eligible Customer-Generator; Exclusion Clarified. Amend RSA 83-F:1,  
27 V(d) to read as follows:

28 (d) The electrical generation, production, storage, and supply equipment of an "eligible  
29 customer-generator" as defined in RSA 362-A:1-a, II-b, up to and including one megawatt;

30 6 Effective Date. This act shall take effect 60 days after its passage.



**HB 1596-FN- FISCAL NOTE  
AS INTRODUCED**

AN ACT relative to net energy metering limits for individual and business customers.

**FISCAL IMPACT:**     State             County             Local             None

STATE:	Estimated Increase / (Decrease)			
	FY 2022	FY 2023	FY 2024	FY 2025
<b>Appropriation</b>	\$0	\$0	\$0	\$0
<b>Revenue</b>	\$0	\$0	\$0	\$0
<b>Expenditures</b>	\$0	Indeterminable	Indeterminable	Indeterminable
<b>Funding Source:</b>	<input checked="" type="checkbox"/> General State Funds	<input type="checkbox"/> Education	<input checked="" type="checkbox"/> Highway	<input checked="" type="checkbox"/> Other - Various

**COUNTY:**

<b>Revenue</b>	\$0	\$0	\$0	\$0
<b>Expenditures</b>	\$0	Indeterminable	Indeterminable	Indeterminable

**LOCAL:**

<b>Revenue</b>	\$0	\$0	\$0	\$0
<b>Expenditures</b>	\$0	Indeterminable	Indeterminable	Indeterminable

**METHODOLOGY:**

This bill increases the electric generating capacity of customer generators who may participate in net energy metering and modifies the transition of tariffs applicable to certain customer generators. The bill also clarifies the definition of eligible customer-generator for purposes of the utility property tax.

The Department of Energy indicates there is the potential for the state, counties, and local governments to see an increase in expenditures due to the increased cost of electricity. Electric distribution utilities are required to credit net-metered electricity exports at the default service rate, which is generally higher than wholesale market prices. Any such higher costs would tend to increase utility electric rates, in turn increasing electricity costs for consumers.

There is also the potential that net-metered distributed generation could reduce transmission costs and avoid other utility costs, which would tend to reduce or otherwise mitigate the impact of any other cost increases. The Department is unable to quantify any such avoided costs, costs increases, or potential cost-shifting at this time. The Department is currently working with a

consultant to study issues related to the value of distributed energy resources eligible to net meter, which study is expected to be completed by late Spring 2022.

Regarding the amendment to RSA 83-F:1,V(d), the Department expects the change to have minimal impact since it is only clarifying existing statute.

It is assumed that fiscal impact would occur after FY 2022.

**AGENCIES CONTACTED:**

Department of Energy