



March 7, 2022

Ms. Lisa Felice
Michigan Public Service Commission
7109 W. Saginaw Hwy.
P. O. Box 30221
Lansing, MI 48909

Via E-filing

RE: MPSC Case No. U-20875

Dear Ms. Felice:

The following is attached for paperless electronic filing:

Official Exhibits of the National Housing Trust (NRD-1 and NRD-2)

Proof of Service

Sincerely,

Christopher M. Bzdok
Chris@envlaw.com

xc: Parties to Case No. U-20875

Dan Mellinger, PE Principal



Professional Summary

Dan specializes in the design, planning and administration of commercial and industrial energy efficiency programs and is a lighting technologies expert. He provides technical consultative services on efficient technology capabilities, market analysis, technology adoption, energy savings potential, industry standards, and training programs. Dan has consulted on hundreds of commercial efficiency projects across many jurisdictions nationwide and has designed and administered industry-leading commercial lighting programs. He received his degree in Electrical Engineering from Michigan State University, is a licensed Professional Engineer, is a Certified Energy Manager, and is Lighting Certified.

Experience

2020-present: Principal, Energy Futures Group, Hinesburg, VT
2017-2019: Senior Consultant, Energy Futures Group, Hinesburg, VT
2016-2017: Senior Strategic Planner, VEIC, Burlington, VT
2009-2016: Efficiency Vermont Commercial Lighting Lead, VEIC, Burlington, VT
2005-2009: Efficiency Vermont Business Energy Consultant, VEIC, Burlington, VT
1999-2005: Semiconductor Manufacturing Engineer, IBM, Essex Junction, VT

Education

B.S., Electrical Engineering, Michigan State University, 1999

Certifications

Professional Engineer (PE) – State of Vermont
Lighting Certified (LC) – National Council on Qualifications for the Lighting Professions
Certified Energy Manager (CEM) – Association of Energy Engineers
Leadership and Management Professional Certificate – University of Vermont

Select Projects

- **DesignLights Consortium (DLC).** Conduct research for and provide technical assistance on the evolution of the technical requirements for the *Solid-State Lighting (SSL)* and *Networked Lighting Control (NLC)* programs. Incorporate LED product requirements that support the integration of networked lighting controls. (2018 to present)
- **Rhode Island Energy Efficiency & Resource Management Council.** Provide technical consultative insights on commercial and industrial energy-saving measures. Advise on new

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technologies, programs, and models for accelerating innovation in achieving aggressive energy savings. (2018 to present)

- **Connecticut Energy Efficiency Board.** Provide technical consultative insights on commercial and industrial energy-saving programs and measures. Lead technical consultant to the Research, Development and Demonstration (RD&D) team. (2018 to present)
- **Massachusetts Energy Efficiency Advisory Council.** Provide technical consultative insights on commercial and industrial energy-saving programs and measures. (2018 to present)
- **Citizens Action Coalition (Indiana).** Critically review and deliver testimony on market potential study findings, action plans, and multi-year DSM plans for several utilities. Delivered and defended testimony quantifying the potential for higher levels of energy efficiency as an alternative resource to a proposed 850 MW natural gas plant. (2018-present)
- **California Alternative Energy and Advanced Transportation Financing Authority.** Provide technical assistance on the design and implementation of commercial and residential energy efficiency financing programs. Calculate and report program energy savings estimates to the program administrators and regulators. (2017 to present)
- **Natural Resources Defense Council (Michigan, Illinois, Colorado).** Provide technical consultative insights on commercial and industrial energy-saving programs and measures. Critically review multi-year demand side management (DSM) plans filed by Michigan and Colorado utilities. Deliver and defend regulatory testimony on energy efficiency potential. (2017-present)
- **EfficiencyOne (Nova Scotia).** Provide program design consultation and recommendations for the Business, Non-Profit, and Institutional (BNI) market within the 2023-2023 DSM Plan (2021).
- **Iowa Environmental Council.** Provide program design recommendations and best practices as part of a collaborative effort to launch a midstream pilot with MidAmerican Energy. (2020-2021)
- **Northwest Energy Efficiency Alliance (NEEA).** Senior advisor on the market assessment of Luminaire Level Lighting Controls. Perform secondary data analysis, energy code review, and in-depth interviews of relevant market actors. (2019-2020)
- **Alliance to Save Energy.** Conducted research and published a report on lifetime savings potential, peak demand savings potential, and cost effectiveness of commercial LED and networked lighting controls. (2019)
- **DLC.** Developed an analysis and published product adoption and energy savings forecasts for commercial and industrial LED lighting and networked lighting controls. (2018)
- **Minnesota Center for Environmental Advocacy.** Delivered and defended testimony quantifying the potential for higher levels of energy efficiency as an alternative resource to a proposed 525 MW natural gas plant. (2018)
- **Technical Reference Manual Development (Vermont, Ohio, Illinois, Iowa, DC).** Developed commercial lighting TRM characterizations for Efficiency Vermont prescriptive and midstream programs. Technologies addressed: LED lamps and fixtures, fluorescent lamps and fixtures, and lighting controls. Contributed to TRM lighting measure characterizations in Ohio, Illinois, Iowa, and Washington, DC. (2011-2017)
- **Efficiency Vermont Technology Roadmap.** Created a 3-year, comprehensive emerging-technology planning roadmap for Efficiency Vermont. Roadmap addressed technologies and

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residential, commercial, and industrial customer classes. Designed an interactive and dynamic Excel roadmap platform. (2017)

- **Vermont Demand Resources Plan.** Developed a 20-year forecast of efficiency potential from commercial and residential lighting for the Vermont Demand Resources Plan (DRP). Forecast metrics: adoption, energy and demand savings, and incentive spending. The Vermont Public Utility Commission uses the DRP to set Efficiency Vermont's 3-year budgets and goals. (2016-2017)
- **DLC LED Qualification Program.** Contributed toward the concept, launch, and growth of the DLC LED qualification program, in collaboration with Northeast Energy Efficiency Partnerships (NEEP) and regional utilities. Lead technical advisor on specification development. (2010-2016)
- **Vermont Efficiency Excellence Network.** Supported the design and launch of the Efficiency Excellence Network for Efficiency Vermont trade allies. Helped establish trade group participation criteria, assisted in trade ally recruiting, and delivered program and technical training. (2013-2016)
- **Efficiency Vermont Midstream Lighting Program.** Contributed to the design of, and eventually administered, the nation's first commercial lighting midstream program. Continuously expanded and evolved the program to keep pace with emerging technology and market changes. Managed distributor relationships and increased participation to 100% of electrical distributors. (2009-2016)
- **Lighting Design Program.** Created a program that pairs Vermont commercial customers with professional lighting designers on retrofit projects to improve comprehensiveness. The resulting energy savings per project increased 50% compared to typical lighting retrofits. (2010-2016)
- **Statewide Municipal Street Lighting Program.** Assisted in the design and launch of a partnership between Vermont municipalities and utilities for upgrading street lighting to LED. Used financial strategies to address the non-depreciated asset costs while minimizing the municipality investment cost. Provided technical support to the program administrator and municipalities. (2010-2014)
- **Vermont Commercial Lighting Market Analysis.** Used data analytics to evaluate and forecast product adoption and energy savings potential in the Vermont commercial lighting market. Developed new program strategies based on the data insights. (2013-2016)
- **LED Direct Install Program.** Designed and launched an LED direct install program for small and medium-sized businesses in Vermont. Targeted customers who were in capacity constrained areas of the electric grid in an attempt to avoid costly infrastructure investments. Responsible for RFP management, contractor selection, budgeting, and performance management. (2013)

Select Publications

- Mellinger, Dan, and Liesel Whitney-Schulte. 2020. *A New Sales Pitch*. LD+A, November. <https://www.ies.org/lda/a-new-sales-pitch/>.
- Mellinger, Dan. 2019. *Commercial & Industrial Lighting Lifetime and Peak Demand Savings Analysis*. Alliance to Save Energy. <https://www.ase.org/lighting-savings-report>.
- Mellinger, Dan. 2018. *Energy Savings Potential of DLC Commercial Lighting and Networked Lighting Controls*. DesignLights Consortium. <https://www.designlights.org/resources/energy-savings-potential-of-dlc-commercial-lighting-and-networked-lighting-controls/>.

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- Mellinger, Dan, and Lauren Morlino. 2018. *Getting to 50: How Vermont Plans to Reach 50% Market Adoption of Linear LED by 2025*. ACEEE Summer Study. <http://www.aceee.org/files/proceedings/2018/#/paper/event-data/p120>.
- Goetzler, Bill, George Lawrence, Dan Mellinger, and Mary Yamada. 2018. *Lighting Isn't Finished: Pivoting beyond the LED Bulb*. ACEEE Summer Study. <http://www.aceee.org/files/proceedings/2018/#/paper/event-data/p134>.
- Mellinger, Dan. 2014. *Lighting Efficiency Programs: Second Half Strategies*. LD+A, October.
- Mellinger, Dan, and Connie Samla. 2013. *Maximizing ROI Through Good Design*. LD+A, April.
- Arnold, Gabe, Mike Burke, Dave Lahar, Dan Mellinger, and Paul Markowitz. 2012. *A Win-Win-Win for Municipal Street Lighting: Converting Two-Thirds of Vermont's Street Lights to LED*. ACEEE Summer Study. <https://aceee.org/files/proceedings/2012/start.htm>.
- Baldacci, Kate, Eileen Eaton, Rebecca Foster, Dan Mellinger, Margaret Song, and Liesel Whitney-Schulte. 2010. *Defining a Framework for Comprehensive Commercial and Residential Lighting Programs*. ACEEE Summer Study. <https://aceee.org/files/proceedings/2010/start.htm>.

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Question:

1. Please provide the number of heat pumps (units) installed for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
HVAC and Water Heating	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				

Response:

The table below provides the number of heat pumps installed (per installed unit) for residential programs in 2020, projected for 2021, and planned for 2022 and 2023. Heat pump (space heating) technologies include air source heat pumps, geothermal heat pumps, and ductless/ducted mini-split heat pumps. The 2022 and 2023 forecasted values for Multifamily and Income-Qualified Multifamily are based on number of tons installed; the estimates shown assume each installed unit is 1.85 tons.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
HVAC and Water Heating	Electric	218	210	253	272
Residential Multifamily	Electric	0	0	122	122
Income-Qualified Energy Assistance	Electric	78	60	155	170
Income-Qualified Multifamily	Electric	276	383	250	250



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Question:

2. Please provide the number of heat pump water heaters (units) installed for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
HVAC and Water Heating	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				

Response:

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
HVAC and Water Heating	Electric	0	9	26	27
Residential Multifamily	Electric	0	0	25	25
Income-Qualified Energy Assistance	Electric	2	1	59	59
Income-Qualified Multifamily	Electric	0	0	25	25



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Question:

3. Please provide the number of households/dwelling units that received air sealing measures for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Electric				
Insulation and Windows	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				
Home Performance with ENERGY STAR	Gas				
Insulation and Windows	Gas				
Residential Multifamily	Gas				
Income-Qualified Energy Assistance	Gas				
Income-Qualified Multifamily	Gas				

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Response:

Consumers Energy's planning and tracking are at the measure level; the Company does not have data on the number of household/dwelling units that received or are planned to receive installations through its programs. The estimates provided in the table are based on the number of unique customer accounts that received incentives in the 2020 program year and forecasted for the 2021 program year as a proxy for household participants. Because Consumers Energy tracks incentives distributed by fuel type, we have added rows to account for combination customers who receive both electricity and natural gas from the Company.

As noted above, Consumers Energy conducts planning at the measure level. As such, it is not possible to produce a precise value representing of number of households projected to receive air sealing through its programs in 2022 and 2023. To produce an estimated planning value (per household) for the 2022 and 2023 program years, Consumers Energy divided the total planned units (total square feet) by the average air sealing units (square feet per project) installed in 2020. The Income-Qualified Energy Assistance program and Income-Qualified Energy Electric program data in 2020 does not include average square feet per project data for air sealing; the table below uses estimates from the Home Performance with ENERGY STAR as a proxy for 2022 and 2023 planning values (for comparison purposes).

The planned 2022 and 2023 Multifamily and Income-Qualified Multifamily programs represent a new combination air sealing and insulation measure of the number of square feet installed for electric and gas applications. Because it is a new measure, there is no prior data from which to develop a customer account/unit estimate. As such, these fields are marked NA below. This custom new measure includes whole home air sealing/infiltration reduction measures (it does not include duct sealing improvements, window insulation kits, and door weatherstripping).

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Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Combo	166	215	285	291
Insulation and Windows	Combo	0	0	0	0
Residential Multifamily	Combo	0	228	N/A	N/A
Income-Qualified Energy Assistance	Combo	40	40	228	288
Income-Qualified Multifamily	Combo	1023	1881	N/A	N/A
Home Performance with ENERGY STAR	Electric	15	25	17	17
Insulation and Windows	Electric	0	0	0	0
Residential Multifamily	Electric	150	146	N/A	N/A
Income-Qualified Energy Assistance	Electric	25	40	37	37
Income-Qualified Multifamily	Electric	1033	828	N/A	N/A
Home Performance with ENERGY STAR	Gas	366	370	542	553
Insulation and Windows	Gas	0	0	0	0
Residential Multifamily	Gas	1823	1631	N/A	N/A
Income-Qualified Energy Assistance	Gas	49	41	211	211
Income-Qualified Multifamily	Gas	599	1096	N/A	N/A



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Question:

4. Please provide the number of air sealing measures (units) installed for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Electric				
Insulation and Windows	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				
Home Performance with ENERGY STAR	Gas				
Insulation and Windows	Gas				
Residential Multifamily	Gas				
Income-Qualified Energy Assistance	Gas				
Income-Qualified Multifamily	Gas				

Response:

The table below provides the number of air sealing measures (one unit is equal to 1,000 square feet) installed for residential programs in 2020, projected for 2021, and planned for 2022 and 2023. Because Consumers Energy tracks installations by fuel type, we have added rows to account for combination customers who receive both electricity and natural gas from the Company. The planned 2022 and 2023 Multifamily and Income-Qualified Multifamily program values represent a combined measure of air sealing and insulation custom package of the number of square feet installed for electric and gas applications, as such the numbers provided for these fields below are duplicated in the same fields in the insulation unit table provided in U-20875-NRDC-CE-105.

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Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Combo	356	461	612	624
Insulation and Windows	Combo	0	0	0	0
Residential Multifamily	Combo	0	243	N/A	N/A
Income-Qualified Energy Assistance	Combo	67	67	383	383
Income-Qualified Multifamily	Combo	715	1009	N/A	N/A
Home Performance with ENERGY STAR	Electric	29	48	33	33
Insulation and Windows	Electric	0	0	0	0
Residential Multifamily	Electric	138	100	228	251
Income-Qualified Energy Assistance	Electric	42	69	62	62
Income-Qualified Multifamily	Electric	654	596	1,198	1,198
Home Performance with ENERGY STAR	Gas	869	878	1,288	1,313
Insulation and Windows	Gas	0	0	0	0
Residential Multifamily	Gas	66	100	221	231
Income-Qualified Energy Assistance	Gas	91	113	390	390
Income-Qualified Multifamily	Gas	366	966	1,161	1,105

* One unit is equivalent to 1,000 square feet



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Question:

5. Please provide the number of households/dwelling units that received insulation measures for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Electric				
Insulation and Windows	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				
Home Performance with ENERGY STAR	Gas				
Insulation and Windows	Gas				
Residential Multifamily	Gas				
Income-Qualified Energy Assistance	Gas				
Income-Qualified Multifamily	Gas				

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Response:

Consumers Energy's planning and tracking are at the measure level; the Company does not have data on the number of household/dwelling units that received or are planned to receive installations through its programs. The estimates provided in the table are based on the number of unique customer accounts that received incentives in the 2020 program year and forecasted for the 2021 program year as a proxy for household participants. Because Consumers Energy tracks incentives distributed by fuel type, we have added rows to account for combination customers who receive both electricity and natural gas from the Company.

As noted above, Consumers Energy conducts planning at the measure level. As such, it is not possible to produce a precise value representing of number of households projected to receive insulation through its programs in 2022 and 2023. To produce an estimated planning value (per household) for the 2022 and 2023 program years, Consumers Energy divided the total planned units (one unit is equivalent to 1,000 square feet) by the average insulation units installed per household in 2020. Home Performance with ENERGY STAR and Insulation and Windows programs are an exception, where planning values represent the number of units of installed measures, however this does not represent the number of households impacted. Therefore, an approximate value is estimated based on 2020 program data of the number of measures installed per home. This value contains some uncertainty as the mix (and amount) of measures in to 2020 compared to 2022 and 2023 planned values are different.

The planned 2022 and 2023 Multifamily and Income-Qualified Multifamily programs represent a combined air sealing and insulation custom package measure of the number of square feet installed for electric and gas applications. Because it is a new measure, there are no prior estimates to inform the number of sites and cannot be populated (e.g., not applicable). This measure includes attic, wall, floor, baseline, crawlspace, belly, kneel wall, and rim and band joist insulation. It does not include duct insulation and window insulation kits.

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Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Combo	187	309	356	363
Insulation and Windows	Combo	933	950	968	980
Residential Multifamily	Combo	0	228	N/A	N/A
Income-Qualified Energy Assistance	Combo	27	32	638	638
Income-Qualified Multifamily	Combo	1023	1881	N/A	N/A
Home Performance with ENERGY STAR	Electric	23	32	70	72
Insulation and Windows	Electric	373	539	474	474
Residential Multifamily	Electric	150	146	N/A	N/A
Income-Qualified Energy Assistance	Electric	216	195	187	187
Income-Qualified Multifamily	Electric	1033	828	N/A	N/A
Home Performance with ENERGY STAR	Gas	432	574	778	794
Insulation and Windows	Gas	2,226	2430	2,450	2,486
Residential Multifamily	Gas	1823	1631	N/A	N/A
Income-Qualified Energy Assistance	Gas	64	65	803	803
Income-Qualified Multifamily	Gas	559	1096	N/A	N/A



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Question:

6. Please provide the number of insulation measures (units) installed for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
Home Performance with ENERGY STAR	Electric				
Insulation and Windows	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				
Home Performance with ENERGY STAR	Gas				
Insulation and Windows	Gas				
Residential Multifamily	Gas				
Income-Qualified Energy Assistance	Gas				
Income-Qualified Multifamily	Gas				

Response:

The table below provides the number of insulation measures (one unit is equal to 1,000 square feet) installed for residential programs in 2020, projected for 2021, and planned for 2022 and 2023. Because Consumers Energy tracks installations by fuel type, we have added rows to account for combination customers who receive both electricity and natural gas from the Company.

Home Performance with ENERGY STAR and Insulation and Windows programs planning values (2022 and 2023) include the number of units of installed measures, however this does not represent the number of 1,000 square feet installed. Therefore, an approximate value is estimated based on 2020 program data of the number of average square feet installed per measure.

The planned 2022 and 2023 Multifamily and Income-Qualified Multifamily program values represent a combine measure of air sealing and insulation custom package of the number of square feet installed for electric and gas applications.

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Program Name	Fuel Type	2020 (actual)*	2021 (forecasted)*	2022 (planned)*	2023 (planned)*
Home Performance with ENERGY STAR	Combo	492	794	937	955
Insulation and Windows	Combo	1,134	1146	1176	1192
Residential Multifamily	Combo	0	243	N/A	N/A
Income-Qualified Energy Assistance	Combo	27	37	780	780
Income-Qualified Multifamily	Combo	715	1008	N/A	N/A
Home Performance with ENERGY STAR	Electric	46	95	125	128
Insulation and Windows	Electric	486	637	617	617
Residential Multifamily	Electric	138	100	228	251
Income-Qualified Energy Assistance	Electric	227	232	208	208
Income-Qualified Multifamily	Electric	654	597	1,198	1,198
Home Performance with ENERGY STAR	Gas	1,097	1465	1,977	2,016
Insulation and Windows	Gas	2,578	2797	2,837	2,879
Residential Multifamily	Gas	66	100	221	231
Income-Qualified Energy Assistance	Gas	106	110	1419	1419
Income-Qualified Multifamily	Gas	380	967	1,161	1,105
* One unit is equivalent to 1,000 square feet					



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Question:

7. Please provide the total number of households/dwelling units that received any EWR treatment for the following programs and years.

Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
HVAC and Water Heating	Electric				
Home Performance with ENERGY STAR	Electric				
Insulation and Windows	Electric				
Residential Multifamily	Electric				
Income-Qualified Energy Assistance	Electric				
Income-Qualified Multifamily	Electric				
HVAC and Water Heating	Gas				
Home Performance with ENERGY STAR	Gas				
Insulation and Windows	Gas				
Residential Multifamily	Gas				
Income-Qualified Energy Assistance	Gas				
Income-Qualified Multifamily	Gas				

Response:

Consumers Energy tracks participation at the measure level; the Company does not have data on the number of household/dwelling units that received installations through its programs. The estimates provided in the table are based on the number of unique customer accounts that received incentives in the 2020 program year and forecasted for the 2021 program year as a proxy for household participants. Because Consumers Energy tracks incentives distributed by fuel type, we have added rows to account for combination customers who receive both electricity and natural gas from the Company.

Consumers Energy conducts planning at the measure level. Because each program may include multiple different measures with varying unit definitions (e.g., square feet, tons) it is not possible to estimate the number of households projected to receive treatment through its programs.

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Program Name	Fuel Type	2020 (actual)	2021 (forecasted)	2022 (planned)	2023 (planned)
HVAC and Water Heating	Combo	10,007	10,800	N/A	N/A
Home Performance with ENERGY STAR	Combo	706	906	N/A	N/A
Insulation and Windows	Combo	2,041	1972	N/A	N/A
Residential Multifamily	Combo	1906	1147	N/A	N/A
Income-Qualified Energy Assistance	Combo	2119	2520	N/A	N/A
Income-Qualified Multifamily	Combo	2212	1801	N/A	N/A
HVAC and Water Heating	Electric	8,972	5040	N/A	N/A
Home Performance with ENERGY STAR	Electric	35	45	N/A	N/A
Insulation and Windows	Electric	1,022	1157	N/A	N/A
Residential Multifamily	Electric	9727	4663	N/A	N/A
Income-Qualified Energy Assistance	Electric	2874	2851	N/A	N/A
Income-Qualified Multifamily	Electric	16,434	13,458	N/A	N/A
HVAC and Water Heating	Gas	16,856	20,160	N/A	N/A
Home Performance with ENERGY STAR	Gas	521	700	N/A	N/A
Insulation and Windows	Gas	5,107	4991	N/A	N/A
Residential Multifamily	Gas	31,329	37,601	N/A	N/A
Income-Qualified Energy Assistance	Gas	3193	3780	N/A	N/A
Income-Qualified Multifamily	Gas	11,899	13,622	N/A	N/A



Theresa K. Schmidt
 December 16, 2021

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter, on the Commission's own motion, regarding the regulatory reviews, revisions, determinations, and/or approvals necessary for **CONSUMERS ENERGY COMPANY** to fully comply with Public Act 295 of 2008, as amended by Public Act 342 of 2016.

U-20875

PROOF OF SERVICE

On the date below, an electronic copy of the **Official Exhibits of Natural Resources Defense Council, Ecology Center and Sierra Club (NRD-1 and NRD-2)** was served on the following:

Name/Party	E-mail Address
Administrative Law Judge Hon. Kandra Robbins	robbinsk1@michigan.gov
Counsel for Consumers Energy Co Theresa A.G. Staley Gary A. Gensch, Jr.	mpscfilings@cmsenergy.com theresa.staley@cmsenergy.com gary.genschjr@cmsenergy.com
Counsel for MPSC Staff Heather M.S. Durian Nicholas Q. Taylor	durianh@michigan.gov taylorn10@michigan.gov
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The statements above are true to the best of my knowledge, information and belief.

OLSON, BZDOK & HOWARD, P.C.
Counsel for NRDC, EC and SC

Date: March 7, 2022

By: _____

Kimberly Flynn, Legal Assistant
Karla Gerds, Legal Assistant
Breanna Thomas, Legal Assistant
Jill Smigielski, Legal Assistant
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