



NORTH AMERICAN ENERGY STANDARDS BOARD

801 Travis Street, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067
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NAESB Copyright Policy and Companies with Access to the NAESB Energy Services Provider Interface (ESPI) Model Business Practices under the Copyright Policy

AS OF JUNE 14, 2022

INTRODUCTION:

The NAESB Energy Services Provider Interface (ESPI) Model Business Practices (MBPs) are copyrighted and protected by federal copyright law. All [NAESB members](#) have access to the MBPs via the member-only portion of the NAESB web site. In accessing the standards, they do so for their specific company use. NAESB members and nonmembers are not permitted to reproduce and distribute to third parties, including affiliates, partners or other corporate entities under the same corporate umbrella.

There are several other ways that companies can gain access to NAESB standards; however, the same copyright limitations remain in effect so that persons likewise are not permitted to reproduce and distribute to third parties, including affiliates, partners or other corporate entities under the same corporate umbrella.

As examples of the preceding paragraph, a company that attends a NAESB class may have access to those standards addressed in the class. A company that purchases a version of the standards has access to that version via CD or USB. Several government agencies have requested and received copies of the standards with waivers so that they and their task forces may evaluate the standards for use. The members of the task force are only to use the standards for evaluation purposes, and the same restrictions as noted above apply. As task force members determine to use the standards for implementation in their own companies and with trading partners, they must obtain the standards separately – either through purchasing, access to the NAESB web site if they are NAESB members, or attendance at classes.

REASON FOR ACCESS TO STANDARDS:

NAESB standards are developed by the industry to improve the transparency and transactional efficiency of the energy markets. From NAESB's perspective, all standards are voluntary.

The retail standards are available to support customer choice programs and other aspects of retail markets not related to customer choice programs. Some of the retail technical standards have been adopted by the states and are mandatory. The majority of the retail standards are voluntary. Access to the standards is necessary for implementation and ultimately, to benefit from the efficiency they introduce.

Standards access is provided 1) through membership in NAESB, 2) by purchase of annual web site access, 3) via attendance at NAESB courses for specific standards, 4) through purchase at a nominal price, or 5) by receipt of a special license. In each instance, access is limited and non-transferable.



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 2 of 19

WARRANTY DISCLAIMER AND COPYRIGHT WARNING:

Below is the warranty disclaimer and copyright warning for the most recent versions of the NAESB Retail Model Business Practices.

Retail Gas and Electric Version 3.3 Model Business Practice (Published January 30, 2020):

The North American Energy Standards Board (“NAESB”) disclaims and excludes, and any user of the NAESB standard acknowledges and agrees to NAESB’s disclaimer of, any and all warranties, conditions or representations, express or implied, oral or written, with respect to the standard or any part thereof, including any and all implied warranties or conditions of title, non-infringement, merchantability, or fitness or suitability for any particular purpose (whether or not NAESB knows, has reason to know, has been advised, or is otherwise in fact aware of any such purpose), whether alleged to arise by law, by reason of custom or usage in the trade, or by course of dealing. Each user of the standard also agrees that under no circumstances will NAESB be liable for any special, indirect, incidental, exemplary, punitive or consequential damages arising out of any use of, or errors or omissions in, the standard.

The NAESB Retail Gas Quadrant (“RGQ”) and Retail Electric Quadrant (“REQ”) Model Business Practices related to:

- the Master List of Defined Business Terms,
- Market Participant Interactions, Creditworthiness,
- Billing and Payments for Competitive Energy Markets,
- Dispute Resolution,
- Quadrant-Specific Electronic Delivery Mechanisms,
- Contracts,
- Internet Electronic Transport,
- Retail Customer Information,
- Retail Customer Billing and Payment Notification via Uniform Electronic Transactions,
- Retail Customer Enrollment, Drop and Account Information Change,
- Retail Customer Enrollment, Drop, and Account Information Change Using a Registration Agent,
- Inquiries,
- Measurement and Verification (M&V) of Demand Response Programs,
- Service Request, Disconnection and Reconnection in the Registration Agent Model,
- Specifications for Common Electricity Product and Pricing Definition,



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 3 of 19

- Specifications for Common Schedule Communication Mechanism for Energy Transactions,
- Specifications for Retail Standard Demand Response Signals,
- Retail Customer Energy Usage Information Communication,
- Measurement & Verification (M&V) of Energy Efficiency Programs,
- Smart Grid Standards Data Elements Table,
- Energy Services Provider Interface (ESPI),
- Third Party Access to Smart Meter-based Information,
- Supplier Marketing Practices,
- Enrollment, Drop, and Account Information Change in Demand Response Programs,
- Supplier Certification,
- Open Field Message Bus (OpenFMB)
- Enrollment, Drop, and Account Information Change for Demand Response Programs in a Registration Agent Marketplace
- Self-Deployment of a Demand Response Program by a Demand Response Service Provider in the Registration Agent Model

and any amendments or errata thereto, are protected by NAESB's federal copyright 2005-2019. NAESB hereby grants the authorized users who are NAESB members in good standing permission to reproduce material therein for internal reference and use and not for use by any unauthorized third parties. Reproduction in any other form, or for any other purpose, is forbidden without express permission of NAESB. Copies are available for purchase from NAESB. This non-exclusive limited license is non-transferable and may be revoked without notice upon violation of the terms contained herein or any applicable law or regulation. Each user grants NAESB the right to audit its use to assure compliance with these terms.

NAESB COPYRIGHT POLICY:

All NAESB Standards are protected under United States Copyright laws. The same copyright protection applies to much of the other materials published by NAESB.

Members of NAESB and persons purchasing NAESB Standards are permitted to make reasonable use of these materials internally for certain limited purposes. However, they may not transfer them outside their own companies nor may they transfer them to affiliates or other third parties without written authorization from the NAESB office.



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 4 of 19

Duplication of NAESB Standards is not only an infringement of NAESB's copyright but it increases the risk that the duplicated materials may not contain all of the Standards and the like, and may thus be incomplete. Persons in possession of incorrect, incomplete and outdated materials may be under the misconception that they are observing NAESB's Standards even when they are not. This serves no one and only undermines NAESB's purpose to present Standards to support the marketplace. Copyright infringement also undermines NAESB's ability to maintain the economic integrity its members expect so that it may continue its work in the future.

Members and purchasers of NAESB Standards and other NAESB copyrighted materials are cautioned to review their policies regarding use and distribution of our materials to assure that they are not intentionally or inadvertently infringing NAESB's copyright and coming into conflict with federal law.



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 5 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|---------------------------------------|------------------|----------|-------------------|----------------------|----------------|
| Frontier Associates LLC | Russell, Ron | ✓ | 2.1 | REQ.21 ESPI | 2/5/2014 |
| Pacific Northwest National Laboratory | Breneman, Gail | ✓ | 2.1 | REQ.21 ESPI | 2/12/2014 |
| People Power | Curtis, Stan | ✓ | 2.1 | REQ.21 ESPI | 4/4/2014 |
| Open Commons | Curtis, Stan | ✓ | 2.1 | REQ.21 ESPI | 4/4/2014 |
| Seeds Corp. | Akemi, Ichijo | ✓ | 2.1 | REQ.21 ESPI | 5/16/2014 |
| Schneider Electric | Thompson, Greg | ✓ | 2.1 | REQ.21 ESPI | 5/19/2014 |
| Wake Electric Membership Corp. | Poole, Scott | ✓ | 2.1 | REQ.21 ESPI | 6/4/2014 |
| Societe En Commandite Gaz Metro | Paradis, Suzanne | ✓ | 2.1 | Retail MBP | 11/21/2014 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
 Page 6 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|---------------------------------------|-----------------|----------|-------------------|----------------------|----------------|
| Environmental Protection Agency (EPA) | Vonneida, Bill | ✓ | 2.1 | REQ.21 ESPI | 1/30/2015 |
| Energy Profiles Limited | O'Connor, Conan | ✓ | 2.1 | REQ.21 ESPI | 2/13/2015 |
| GDF Suez Energy North America | Brown, Mark | ✓ | 3.0 | REQ.21 ESPI | 3/24/2015 |
| Exelon Corporation | Walters, Bob | ✓ | 3.0 | REQ.21 ESPI | 5/22/2015 |
| UL LLC | Bonfanti, Todd | ✓ | 3.0 | REQ.21 ESPI | 6/28/2015 |
| Union Gas Ltd | Meyer, Anna | ✓ | 3.0 | REQ.21 ESPI | 8/7/2015 |
| OFFIS - Institut für Informatik | Gebben, Thomas | ✓ | 3.0 | REQ.21 ESPI | 9/22/2015 |
| Green Button Alliance | Haaser, Barry | ✓ | 3.0 | REQ.21 ESPI | 9/22/2015 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
 Page 7 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|---|-------------------|----------|-------------------|----------------------|----------------|
| Union Gas Limited | Ceccacci, Paula | ✓ | 3.0 | REQ.21 ESPI | 10/14/2015 |
| Beijing China Power Information Technology Co., Ltd | Liu, Yuxi | ✓ | 3.0 | REQ.21 ESPI | 10/28/2015 |
| Enbridge Gas Distribution, Inc. | Tiu, Justin | ✓ | 3.0 | REQ.21 ESPI | 11/4/2015 |
| APX Inc. | Schlemmer, Carl | ✓ | 3.0 | REQ.21 ESPI | 1/12/2016 |
| Stronghold Engineering, Inc. | Rabe, Kristi | ✓ | 3.0 | REQ.21 ESPI | 1/14/2016 |
| Cogent Technology Group, Inc. | Pitt, Austin | ✓ | 3.0 | Retail MBP | 1/15/2016 |
| Austin Energy | Jambor, Elizabeth | ✓ | 3.0 | REQ.21 ESPI | 2/12/2016 |
| Enel Distribuzione S.p.A. (Italy) | Fulvio, Spelta | ✓ | 3.0 | REQ.21 ESPI | 2/15/2016 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 8 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|--|--------------------|----------|-------------------|----------------------|----------------|
| Ameren Illinois Company (<i>Aclara Technology, LLC on behalf of</i>) | Enyard Jr., Robert | ✓ | 3.0 | REQ.21 ESPI | 2/15/2016 |
| National Information Solutions Cooperative | Boettcher, Nate | ✓ | 3.0 | REQ.21 ESPI | 3/30/2016 |
| KERI (Electricity Policy Research Center) | Shin, Dong-Joon | ✓ | 3.2 | REQ.21 ESPI | 8/7/2017 |
| FirstFuel Software | DeLoid, James | ✓ | 3.2 | REQ.21 ESPI | 8/24/2017 |
| DLR Group | Talbot, Ben | ✓ | 3.2 | REQ.21 ESPI | 11/9/2017 |
| UtilityAPI, Inc. | Roesler, Daniel | ✓ | 3.2 | REQ.21 ESPI | 10/14/2018 |
| UNS Energy | Mohan, Annesh | ✓ | 3.2 | REQ.21 ESPI | 3/13/2019 |
| Social Solar | Sanders, Donna | ✓ | FA 4/8/19 | REQ.21 ESPI | 5/6/2019 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
 Page 9 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|-----------------------------|----------------------|----------|---------------------------------|----------------------|----------------|
| Houston Kemp Pty Ltd | Kemp, Adrian | ✓ | FA 4/8/19 MC19008 | REQ.21 ESPI | 5/23/2019 |
| CLP Power Hong Kong Limited | Leung, Sin Yee | ✓ | FA 4/8/19 MC19008 | REQ.21 ESPI | 6/13/2019 |
| ETRI | Lee, Boram | ✓ | FA 4/8/19 MC19008 | REQ.21 ESPI | 7/10/2019 |
| EnerNex | Snyder, Aaron F. | ✓ | FA 4/8/19 MC19008 | REQ.21 ESPI | 8/15/2019 |
| Enbridge Gas Inc. | Krishnamurthy, Vitha | ✓ | FA 4/8/19 MC19008 | REQ.21 ESPI | 9/19/2019 |
| Silverblaze Solutions | Mair, Dan | ✓ | FA 4/8/19 MC19008 | REQ.21 ESPI | 10/2/2019 |
| Southern California Edison | Ro, Edwin | ✓ | FA 4/8/19 MC19008 MC19013 | REQ.21 ESPI | 10/9/2019 |
| Uplight | DeLoid, James | ✓ | FA 4/8/19 MC19008 MC19013 | REQ.21 ESPI | 10/25/2019 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy

Page 10 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|-------------------------------------|-----------------|----------|---------------------------------|----------------------|----------------|
| Franklin Energy | Lin, Elly | ✓ | FA 4/8/19 MC19008 MC19013 | REQ.21 ESPI | 11/4/2019 |
| Korea Smart Grid Association (KSGA) | Ko, Youngkyu | ✓ | FA 4/8/19 MC19008 MC19013 | REQ.21 ESPI | 12/2/2019 |
| Oracle Opower | Robinson, Emily | ✓ | FA 4/8/19 MC19008 MC19013 | REQ.21 ESPI | 1/10/2020 |
| SwytchX Inc. | Carson, Evan | ✓ | FA 4/8/19 MC19008 MC19013 | REQ.21 ESPI | 1/21/2020 |
| KETI | Ha, JH | ✓ | 3.3 | REQ.21 ESPI | 5/26/2020 |
| OG&E | Jones, Ryan | ✓ | 3.3 | REQ.21 ESPI | 5/29/2020 |
| Franklin Energy | Lin, Elly | ✓ | 3.3 | REQ.21 ESPI | 6/1/2020 |
| Entegrus Powerlines Inc | Symons, Gary | ✓ | 3.3 | REQ.21 ESPI | 6/1/2020 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy

Page 11 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|---|-----------------------------|----------|-------------------|----------------------|----------------|
| Natural Resources Canada - CanmetENERGY in Varennes | Apablaza-Arancibia, Estefan | ✓ | 3.3 | REQ.21 ESPI | 7/8/2020 |
| Hansen Technologies | Gowrinathan, Shiva | ✓ | 3.3 | REQ.21 EPSI | 7/17/2020 |
| Accelerated Innovations | Ahonen, Keith | ✓ | 3.3 | REQ.21 ESPI | 7/27/2020 |
| Brilliency | Steinbrink, Laura | ✓ | 3.3 | REQ.21 ESPI | 8/4/2020 |
| Bellawatt, Inc. | Granovsky, Eugene | ✓ | 3.3 | REQ.21 ESPI | 8/4/2020 |
| LODON | Cordray, William | ✓ | 3.3 | REQ.21 ESPI | 11/11/2020 |
| UtilityAPI, Inc. | Roesler, Daniel | ✓ | 3.3 | REQ.21 ESPI | 2/8/2021 |
| Ontario Energy Board | O'Riordan, Eamon | ✓ | 3.3 | REQ.21 ESPI | 5/7/2021 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 12 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|---|-----------------|----------|-------------------|----------------------|----------------|
| Pepco Holdings - Exelon Corp (Exelon Generation Company, LLC) | North, Lindsay | ✓ | 3.3 | REQ.21 ESPI | 5/21/2021 |
| Utilities Kingston | Jones, Audrey | ✓ | 3.3 | REQ.21 ESPI | 6/16/2021 |
| Envari Energy Solutions Inc. | Mooney, Glenn | ✓ | 3.3 | REQ.21 ESPI | 6/23/2021 |
| Savage Data Systems | Savage, Ron | ✓ | 3.3 | REQ.21 ESPI | 7/27/2021 |
| Screaming Power Inc | Michor, Gary | ✓ | 3.3 | REQ.21 ESPI | 7/28/2021 |
| Ampion | Gurule, Phil | ✓ | 3.3 | REQ.21 ESPI | 8/2/2021 |
| NorthStar Utilities Solutions | Ivanochko, Dawn | ✓ | 3.3 | REQ.21 ESPI | 10/1/2021 |
| Hydro One Networks | Relich, Danny | ✓ | 3.3 | REQ.21 ESPI | 10/5/2021 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 13 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|--|--------------------|----------|-------------------|----------------------|----------------|
| Apple Inc | Lam, Joelle | ✓ | 3.3 | REQ.21 ESPI | 10/8/2021 |
| American Honda Motor Co | Zhang, Nathan | ✓ | 3.3 | REQ.21 ESPI | 10/12/2021 |
| Utilismart Corporation | Karlicic, Miroslav | ✓ | 3.3 | REQ.21 ESPI | 10/14/2021 |
| London Hydro | Beacock, Tom | ✓ | 3.3 | REQ.21 ESPI | 10/19/2021 |
| Erth Corporation | Tung, Jenny | ✓ | 3.3 | REQ.21 ESPI | 10/20/2021 |
| Rodan Energy Solutions | Holowatsky, Yuli | ✓ | 3.3 | REQ.21 ESPI | 10/25/2021 |
| Central Hudson Gas & Electric | Smith, Brian | ✓ | 3.3 | REQ.21 ESPI | 11/5/2021 |
| RS Gesellschaft für Informationstechnik mbH & Co. KG | Yoloshyna, Tetiana | ✓ | 3.3 | REQ.21 ESPI | 11/8/2021 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 14 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|-----------------------------|------------------|----------|-------------------|----------------------|----------------|
| Westario Power | Lorentz, Bill | ✓ | 3.3 | REQ.21 ESPI | 11/23/2021 |
| Steptoe & Johnson LLC | Jensen, John | ✓ | 1.2 | Retail M&V and MBP | 12/21/2021 |
| Steptoe & Johnson LLC | Jensen, John | ✓ | 2.1 | Retail M&V and MBP | 12/21/2021 |
| Steptoe & Johnson LLC | Jensen, John | ✓ | 3.2 | Retail M&V and MBP | 12/21/2021 |
| Enbridge Gas Inc | Zochodne, Amanda | ✓ | 3.3 | REQ.21 ESPI | 1/10/2022 |
| Silicon Valley Clean Energy | Roesler, Daniel | ✓ | 3.3 | REQ.21 ESPI | 1/13/2022 |
| Peninsula Clean Energy | Roesler, Daniel | ✓ | 3.3 | REQ.21 ESPI | 1/13/2022 |
| Fort Collins Utilities | Roesler, Daniel | ✓ | 3.3 | REQ.21 ESPI | 1/13/2022 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 15 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|----------------------------------|-----------------|----------|-------------------|----------------------|----------------|
| National Grid GBC | Roesler, Daniel | ✓ | 3.3 | REQ.21 ESPI | 1/13/2022 |
| EPCOR | Hammond, Mark | ✓ | 3.3 | REQ.21 ESPI | 1/18/2022 |
| Erth Power | Pettit, Graig | ✓ | 3.3 | REQ.21 ESPI | 1/24/2022 |
| CHEC Energy | White, Steve | ✓ | 3.3 | REQ.21 ESPI | 1/31/2022 |
| Synergy North | Gaudette, Dan | ✓ | 3.3 | REQ.21 ESPI | 2/9/2022 |
| Rideau St. Lawrence Distribution | Miller, Margot | ✓ | 3.3 | REQ.21 ESPI | 2/4/2022 |
| Renfrew Hydro Inc | Head, Steve | ✓ | 3.3 | REQ.21 ESPI | 2/7/2022 |
| Hydro 2000 | Wilkinson, Lise | ✓ | 3.3 | REQ.21 ESPI | 2/7/2022 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 16 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|-----------------------------|------------------|----------|-------------------|----------------------|----------------|
| Chapleau Public Utilities | Cyr, Jennifer | ✓ | 3.3 | REQ.21 ESPI | 2/7/2022 |
| Kitchener-Wilmot Hydro Inc | Vallee, Jennifer | ✓ | 3.3 | REQ.21 ESPI | 2/7/2022 |
| Orangeville Hydro Limited | Brooks, Kim | ✓ | 3.3 | REQ.21 ESPI | 2/8/2022 |
| Grimsby Power Incorporated | LeSelva, Amy | ✓ | 3.3 | REQ.21 ESPI | 2/8/2022 |
| Oshawa PUC Networks Inc | Yackoub, Maged | ✓ | 3.3 | REQ.21 ESPI | 2/14/2022 |
| Enwin Utilities | Predote, Jeff | ✓ | 3.3 | REQ.21 ESPI | 2/15/2022 |
| Centre Wellington Hydro Ltd | Lawler, Carrie | ✓ | 3.3 | REQ.21 ESPI | 2/15/2022 |
| Alectra Utilities | Augusto, Eddie | ✓ | 3.3 | REQ.21 ESPI | 2/15/2022 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 17 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|------------------------------------|---------------------|----------|-------------------|----------------------|----------------|
| Kitchener Utilities | Abu-Eseifan, Khaled | ✓ | 3.3 | REQ.21 ESPI | 2/22/2022 |
| Wasaga Distribution Inc | Weiss, Brandon | ✓ | 3.3 | REQ.21 ESPI | 2/22/2022 |
| Niagara on the Lake Hydro | Mosher, Brodie | ✓ | 3.3 | REQ.21 ESPI | 2/22/2022 |
| Cooperative Hydro Embrun Inc | Larocque, Brigitte | ✓ | 3.3 | REQ.21 ESPI | 2/25/2022 |
| General Account Agent Organization | Brennon, Michael | ✓ | 3.3 | REQ.21 ESPI | 2/25/2022 |
| Lakeland Power Services | Shipston, Sharon | ✓ | 3.3 | REQ.21 ESPI | 2/28/2022 |
| Hydro Ottawa Limited | Fudge, Harold | ✓ | 3.3 | REQ.21 ESPI | 3/2/2022 |
| Canadian Niagara Power | Dimond, Matthew | ✓ | 3.3 | REQ.21 ESPI | 3/9/2022 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy

Page 18 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|--|-------------------|----------|-------------------|----------------------|----------------|
| InnPower Corporation | Brown, Shannon | ✓ | 3.3 | REQ.21 ESPI | 3/10/2022 |
| EPCOR Electricity Distribution Ontario | Hammond, Mark | ✓ | 3.3 | REQ.21 ESPI | 03/23/2022 |
| Smart Energy Water | Champagne, Bob | ✓ | 3.3 | REQ.21 ESPI | 03/25/2022 |
| PUC Services Inc. | McDermid, Mikaela | ✓ | 3.3 | REQ.21 ESPI | 03/31/2022 |
| Bluewater Power Distribution Company | Broad, Keith | ✓ | 3.3 | REQ.21 ESPI | 04/21/2022 |
| Toronto Hydro | Chen, Jimmy | ✓ | 3.3 | REQ.21 ESPI | 04/21/2022 |
| Halton Hills Hydro | Bush, Kevin | ✓ | 3.3 | REQ.21 ESPI | 04/28/2022 |
| Oakville Hydro Electricity Distribution Inc. | Augimeri, Enzo | ✓ | 3.3 | REQ.21 ESPI | 06/01/2022 |



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June 14, 2022

NAESB Copyright Policy and Companies with Access to NAESB Energy Services Provider Interface (ESPI) Model Business Practices Under the Copyright Policy
Page 19 of 19

| Company | Representative | Purchase | Retail Version(s) | Standard Description | Effective Date |
|--------------------------------|--------------------|----------|-------------------|----------------------|----------------|
| Ottawa River Power Corporation | Allen, Justin | ✓ | 3.3 | REQ.21 ESPI | 06/03/2022 |
| Consumers Energy | McRitchie, Matthew | ✓ | 3.3 | REQ.21 ESPI | 06/14/2022 |