

DATA SHARING AGREEMENT

This Data Sharing Agreement (“Agreement”) dated as of _____ (“Effective Date”), by and between _____, a _____, with offices located at _____ (“Network Service Provider”), and Center for Sustainable Energy, an IRS Code § 501(c)(3) California non-profit corporation, with offices located at 3980 Sherman Street, Suite 170, San Diego, California 92110 (“CSE”). All capitalized terms herein shall have the definitions assigned to them in the Schedule “C” attached hereto.

WHEREAS, Network Service Provider operates and maintains an open-platform network of electric vehicle (“EV”) charging stations and vehicle charging applications the network delivers (the “EV Network”);

WHEREAS, during the operation of the EV Network, Network Service Provider obtains various data from the usage of the EV charging stations;

WHEREAS, New Jersey Board of Public Utilities (“NJBP”) and New Jersey Department of Environmental Protection (“NJDEP”) administer and/or fund one or more EV charging incentive or grant programs (each a “Program”), under which an Applicant is required to select a Network Service Provider from a list of compliant providers that have executed applicable data sharing and reporting agreements to share certain Data with NJBP and NJDEP as a condition of receiving funding;

WHEREAS, CSE desires to obtain Data from Network Service Provider on behalf of the NJBP and/or NJDEP for analytical studies aimed to understand and support clean transportation in New Jersey.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Network Service Provider and CSE hereby agree as follows:

1. Description of Available Data; Incorporation of Privacy Policy.

1.1 This Agreement describes the terms and conditions under which CSE is entitled to use Data that Network Service Provider shall make available upon CSE’s request for CSE’s use as part of Network Service Provider operating the network on which Applicants operate their EV chargers as part of a Program.

1.2 Network Service Provider shall make available certain Data related to usage of Participating Data Sources. The specific types of Data available to CSE under this Agreement are described in Schedule “A.” CSE reserves the right to periodically update Schedule “A,” and the Network Service Provider shall provide additional Data by the next scheduled data submission upon receiving notice of any such update(s).

(a) Single-Family Home Charger. If a Network Service Provider operates and maintains a single-family charger, the Network Service Provider must provide the Data as

set forth in Table 4 and Table 5 of Schedule “A.”

(b) Other Type of Charger. If a Network Service Provider operates and maintains a charger other than a single-family charger, the Network Service Provider must provide the Data as set forth in Table 1, Table 2, and Table 3 of Schedule “A.”

1.3 Subject to the prohibitions in this Agreement, during the term of this Agreement, CSE may use the Data for the specific purposes as described herein and for no other purpose.

1.4 Network Service Provider and CSE shall comply with all applicable laws, regulations and best practices concerning privacy and data protection (including but not limited to the California Consumer Privacy Act, the California Privacy Rights Act, and the New Jersey Data Privacy Act, as applicable).

2. Term and Termination.

2.1 Term. The term of this Agreement shall begin on the Effective Date and shall continue until the last Reporting End Date unless earlier terminated pursuant to the terms hereof. Aggregated Data may be used by NJBPU, NJDEP, and/or CSE beyond the term, provided that any identifiable information regarding the Network Service Provider or location has been removed. Within thirty (30) days following the termination of this Agreement, and at the request of Network Service Provider, CSE will provide a written certification, signed by an officer, of its compliance.

2.2 Termination. Network Service Provider and CSE may each terminate this Agreement at any time for convenience by providing thirty (30) days prior written notice thereof to the other party. Network Service Provider may, at any time, terminate this Agreement or cease providing all or any part of the Data without any notice if CSE has breached any provision of this Agreement.

3. Representations and Warranties. CSE represents and warrants that, except as otherwise expressly permitted by this Agreement and as specified in Schedule “B,” it will not disclose, release, sell, rent, lease, loan, or otherwise grant access to the Data covered by this Agreement to any person. CSE will not provide access to the Data covered by this Agreement to its Employees unless the Employees have a need to know the Data. CSE shall establish appropriate administrative, technical, and physical safeguards to prevent unauthorized use or access to the Data and shall be liable for any unauthorized access thereto. CSE shall not use the Data by itself, or in combination with any other sources to identify, imply, or otherwise infer, in any way whatsoever, the address or identity of a driver or any person or entity owning, hosting or otherwise using an electric vehicle charging station.

4. Network Service Provider’s Proprietary Rights. CSE acknowledges and agrees that Network Service Provider (or Network Service Provider’s licensors and their suppliers, as applicable) owns all legal right, title and interest in and to the Data, including, without limitation, any intellectual property rights that subsist in the Data (whether those rights happen to be registered or not, and wherever in the world those rights may exist). CSE acknowledges that it is obtaining a limited license to use the Data as provided in Section 6.

5. License from Network Service Provider to Program Manager.

5.1 Network Service Provider retains and reserves all right, title and interest in the Data.

No rights are granted except as expressly set forth in this Agreement. Subject to the terms of this Agreement, Network Service Provider hereby grants to Program Manager a personal, worldwide, royalty-free, non-assignable, non-transferable, non-sublicensable and non-exclusive license to use the Data, for the purpose, as provided by the Network Service Provider in the manner permitted by this Agreement. In accepting the data license, CSE specifically agrees that it (i) will not change any of the Data provided to it in any manner that would make the information contained in such Data inaccurate; (ii) will in no way alter, amend or otherwise modify any of the Data, or present any portion of the Data, in any manner that would convey false, inaccurate or otherwise misleading information; (iii) will not publicly display or transfer any of the Data; or (iv) will not suggest that the charging station locations provided as part of the data are anything other than EV Network charging stations.

5.2 Except as expressly permitted under this Agreement, or unless CSE has received prior written authorization from Network Service Provider, the licenses provided to CSE under this Agreement are subject to CSE's adherence to all the restrictions contained in this Agreement. Except as explicitly permitted in Schedule "B," CSE shall not (nor shall it permit anyone else to) (i) license or transfer the Data to a third-party or (ii) copy, translate, modify or publicly display the Data, or any part thereof. Information derived from the Data may be used in publications subject to the terms of Schedule "B" or the review of Network Service Provider; however, in no event may the Data be published or transferred in its raw format. Network Service Provider must be credited as the source of the Data in all publications that incorporate the Data or derivative work of the Data.

6. License Requirements. Network Service Provider's licenses above are subject to CSE's adherence to the following requirements:

6.1 The Data provided to CSE may contain the trade names, trademarks, service marks, logos, domain names, and other distinctive brand features of Network Service Provider, its partners, or other third-party rights holders of content indexed by Network Service Provider. CSE may not delete or in any manner alter these trade names, trademarks, service marks, logos, domain names, and other distinctive brand features without Network Service Provider's prior written consent, in its sole discretion.

6.2 CSE shall not use the Data by itself, or in combination with any other sources to identify, imply, or otherwise infer, in any way whatsoever, the address or identity of a driver or site host. CSE will not defame, abuse, harass, stalk, threaten or otherwise violate the legal rights (such as rights of privacy and publicity) of others. CSE will not indicate or suggest that the charging station locations provided as part of the Data are anything other than EV Network charging stations.

7. Notification of Data Correction. In the event that CSE learns that any Data provided to it by Network Service Provider is incorrect, CSE shall promptly inform Network Service Provider of such fact and, if CSE has corrected such Data, provide Network Service Provider with the corrected version.

8. Exclusion of Warranties. ALL DATA PROVIDED BY NETWORK SERVICE PROVIDER UNDER THIS AGREEMENT IS PROVIDED "AS IS" AND "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A

PARTICULAR PURPOSE AND NON-INFRINGEMENT. CSE'S USE OF THE DATA IS AT ITS SOLE RISK. IN PARTICULAR, BUT WITHOUT LIMITING NETWORK SERVICE PROVIDER'S EXCLUSION OF WARRANTIES HEREUNDER, NETWORK SERVICE PROVIDER DOES NOT REPRESENT OR WARRANT THAT:

8.1 CSE'S USE OF THE DATA WILL MEET CSE'S REQUIREMENTS.

9. LIMITATION OF LIABILITY.

9.1 CSE EXPRESSLY UNDERSTANDS AND AGREES THAT NETWORK SERVICE PROVIDER, ITS SUBSIDIARIES AND AFFILIATES, AND NETWORK SERVICE PROVIDER'S LICENSORS AND THEIR SUPPLIERS, WILL NOT BE LIABLE TO CSE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES THAT MAY BE INCURRED BY CSE, HOWEVER CAUSED AND UNDER ANY THEORY OF LIABILITY (INCLUDING, BUT NOT BE LIMITED TO, ANY LOSS OF PROFIT (WHETHER INCURRED DIRECTLY OR INDIRECTLY), ANY LOSS OF GOODWILL OR BUSINESS REPUTATION, ANY LOSS OF DATA, COST OF PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR OTHER INTANGIBLE LOSS). HOWEVER, NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED IN THIS AGREEMENT, NOTHING IN THIS AGREEMENT WILL EXCLUDE OR LIMIT NETWORK SERVICE PROVIDER'S LIABILITY FOR LOSSES THAT MAY NOT BE LAWFULLY EXCLUDED OR LIMITED BY APPLICABLE LAW. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF CERTAIN WARRANTIES OR CONDITIONS OR THE LIMITATION OR EXCLUSION OF LIABILITY FOR CERTAIN TYPES OF LOSS OR DAMAGES. ACCORDINGLY, ONLY THE LIMITATIONS THAT ARE LAWFUL IN CSE'S JURISDICTION WILL APPLY TO IT; PROVIDED THAT NETWORK SERVICE PROVIDER'S LIABILITY WILL IN ALL EVENTS BE LIMITED TO THE MAXIMUM EXTENT PERMITTED BY LAW.

9.2 THE LIMITATIONS ON NETWORK SERVICE PROVIDER'S LIABILITY TO CSE IN THIS SECTION 9 WILL APPLY WHETHER OR NOT NETWORK SERVICE PROVIDER, ITS SUBSIDIARIES, AFFILIATES, LICENSORS OR THEIR SUPPLIERS HAVE BEEN ADVISED OF OR SHOULD HAVE BEEN AWARE OF THE POSSIBILITY OF ANY SUCH LOSSES OR DAMAGES.

10. Indemnity. CSE hereby agrees to indemnify, defend and hold Network Service Provider, its officers, directors, agents, affiliates, distribution partners, licensors and suppliers harmless from and against Claims suffered or incurred by such indemnified parties resulting from or arising out of CSE's actual or alleged use of the Data. CSE will cooperate as fully as reasonably required in the defense of any claim. At CSE's request, and subject to Network Service Provider's consent, CSE may assume control of the defense of any claim for which Network Service Provider seeks indemnification; provided that, CSE shall not settle any claim without the prior written consent of Network Service Provider.

11. Injunctive Relief. CSE acknowledges that damages for breach of this Agreement may be irreparable; therefore, Network Service Provider is entitled to seek equitable relief, including but not limited to preliminary injunction and injunction, without need of posting bond, in addition to all other remedies.

12. Entire Agreement; Amendments.

12.1 This Agreement, together with all other documents incorporated by reference, if any, shall constitute the entire agreement between Network Service Provider and CSE with respect to the subject matter herein. The execution of this Agreement has not been induced by, nor does Network Service Provider or CSE rely upon or regard as material, any representations or writing whatsoever not incorporated herein and made a part hereof.

12.2 This Agreement shall not be amended, altered or qualified in any manner whatsoever except in a writing signed by both Network Service Provider and CSE, and any amendment, alteration or qualification hereof shall be null and void and shall not be binding upon any party who has not given its consent as aforesaid.

13. General Legal Terms.

13.1 CSE agrees that if Network Service Provider does not exercise or enforce any legal right or remedy contained in this Agreement (or that Network Service Provider has the benefit of under any applicable law), this will not be taken to be a formal waiver of Network Service Provider's rights and that those rights or remedies will still be available to Network Service Provider. Any waiver of any provision of this Agreement will be effective only if Network Service Provider expressly states in a signed writing that it is waiving a specified term.

13.2 If any court of law that has jurisdiction rules that any provision of this Agreement is invalid, then that provision will be removed from this Agreement without affecting the rest of the terms. The remaining provisions of this Agreement will continue to be valid and enforceable.

13.3 This Agreement may be assigned by Network Service Provider and will inure to the benefit of the Network Service Provider, its successors and assigns.

13.4 This Agreement, and Network Service Provider's relationship with CSE hereunder, will be governed by the laws of the State of California, USA, without regard to its conflict of laws provisions. CSE and Network Service Provider agree to submit to the exclusive jurisdiction of the federal and state courts located in the County of San Diego, to resolve any legal matter arising from this Agreement. Notwithstanding this, Network Service Provider agrees that CSE will be allowed to apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

13.5 This Agreement constitutes the whole legal agreement between CSE and Network Service Provider and governs CSE's use of the Data, and completely replaces and supersedes any prior agreements between CSE and Network Service Provider, written or oral, in relation to the Data.

13.6 This Agreement may be executed in one or more counterparts, all of which shall constitute the same instrument. Signatures of the undersigned parties transmitted by facsimile or other electronic transmission shall be deemed to be original signatures for all purposes.

[Signature page to follow.]

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the Effective Date.

CENTER FOR SUSTAINABLE ENERGY

By: _____

By: _____

Name: _____

Name: Lawrence E. Goldenhersh

Title: _____

Title: President

Date: _____

Date: _____

Schedule "A"

Data Available Under This Agreement:

Network Service Providers for charging stations at multi-unit dwelling and non-residential facility locations shall provide Charging Session Data that includes the data content described in the following tables:

Table 1 - Charging Session Data: This data contains information gathered from individual Charging Sessions over a given reporting period.

Table 2 - Interval Data (Optional): This data contains information gathered from individual Charging Sessions at fifteen (15) minute intervals. Interval Data is not required, but Network Service Providers have the option to submit.

Table 3 - Data Source Inventory Data: This data contains information about the status and performance of each Participating Data Source as of the end of a particular reporting period.

Network Service Provider for charging stations at single family residential chargers shall provide Charging Session Data that includes the data content described in the following tables:

Table 4 - Smart Home Charger Source Data: This data contains information about each Participating Data Source.

Table 5 - Smart Home Charging Session Data: This data contains information gathered from individual Charging Sessions over a given reporting period.

The four (4) required groups of data available under this Agreement are stated as Charging Session Data (Table 1), Data Source Inventory Data (Table 3), Smart Home Charger Source Data (Table 4), and Smart Home Charging Session Data (Table 5), and defined as the Data Group. The data must include the required content described in Table 1, Table 3, Table 4, and Table 5 hereinbelow depending on which type of charging station Network Service Provider is providing services for.

Network Service Provider's data reporting obligations under this Agreement with respect to each Participating Data Source shall commence on the Reporting Start Date and shall continue through the Reporting End Date, unless earlier terminated pursuant to the Agreement.

The Program Manager shall notify the Network Service Provider of applicable data reporting requirements on an ongoing basis for any newly designated Participating Data Sources. Such notification shall be provided no later than two (2) weeks prior to the date on which the Network Service Provider is required to submit data for the applicable Participating Data Source(s) to the Program Manager.

Data Exchange Method:

The accepted data exchange method is through SFTP. CSE will work with the Network Service Provider to establish automated data transfer from Participating Data Sources. If the Reporting

Entity is providing Charging Session Data for multi-unit dwelling and non-residential facilities EV charging stations, then the Reporting Entity shall provide monthly the Charging Session Data, the Data Source Inventory Data, and the Interval Data datasets in three separate “flat files” in .csv format. If the Reporting Entity is providing Charging Session Data for single family residential EV charging stations, then the Reporting Entity shall provide quarterly the Smart Home Charger Source Data and the Smart Home Charging Session Data in two (2) separate “flat files” in .csv. The files shall be delivered to the Program Manager or its designated representative(s) between the first and tenth day of the following calendar month, for each month if Data is for multi-unit dwelling and non-residential facilities EV charging stations, and between the first and tenth day of the month following the end of each quarter if for single family residential EV charging stations, and shall contain Data including the charging activity associated with each Participating Data Source for the previous calendar month. The files shall be named in a mutually agreeable way that captures the identification of Reporting Entity, the Data Group, and the month and year of the date of submission of the file.

As a condition precedent to inclusion on the State of New Jersey’s list of compliant Network Service Providers eligible for selection by Applicants, and upon execution of this Agreement, the Network Service Provider shall first participate in a Technical Meeting with the Program Manager to address data delivery procedures.

Within two (2) weeks of completing the Technical Meeting, the Network Service Provider shall satisfy one (1) of the following data submission pathways, as applicable:

(a) Sample Data Pathway. If, at the time of execution of this Agreement, the Network Service Provider does not provide services for any Participating Data Source, the Network Service Provider shall submit to the Program Manager sample Data that complies with all applicable reporting requirements set forth in this Agreement and demonstrates the Network Service Provider’s capability to meet such requirements. Submission of sample Data under this subsection is solely for purposes of demonstrating technical and reporting capability and does not relieve the Network Service Provider of its obligation to submit required operational Data once such Data becomes available.

(b) Actual Data Pathway. If, at the time of execution of this Agreement, the Network Service Provider does provide services for one or more Participating Data Sources, the Network Service Provider shall, in lieu of sample Data, submit all available actual Data, including retroactive Data, from such Participating Data Source(s), in the form and manner required under this Agreement. Retroactive Data shall include all Data required to be reported under this Agreement for each Participating Data Source covering the period beginning on the Reporting Start Date or the date on which the Network Service Provider first began servicing the Participating Data Source, whichever is earlier, through the most recent reporting period.

The Network Service Provider shall not be added to the State of New Jersey’s list of compliant Network Service Providers unless and until the Program Manager determines that the applicable requirements described above have been satisfied.

The Program Manager may designate additional Participating Data Sources for which the Network

Service Provider is required to share Data at any time. The Program Manager shall notify the Network Service Provider of such designation no later than the first day of the following month. The Network Service Provider shall use reasonable efforts to include Data for any newly designated Participating Data Sources in the next scheduled data submission following receipt of such notice.

If the Network Service Provider is unable to include Data for such newly designated Participating Data Sources in the next scheduled submission, the Network Service Provider shall include such Data in the subsequent scheduled submission, together with all applicable retroactive Data for the applicable reporting period(s), including any missed month, quarter, or both, as applicable. Nothing in this subsection shall excuse, delay, or otherwise affect the Network Service Provider’s obligation to continue submitting complete and timely Data for all previously designated Participating Data Sources in accordance with this Agreement.

Charging Session Data and Smart Home Charging Session Data Content:

The Charging Session Data and the Smart Home Charging Session Data shall contain information that characterizes each individual Charging Session for the Reporting Entity’s portfolio of Participating Data Sources. This dataset should include data from Participating Data Sources only.

The Reporting Entity shall report data for a Participating Data Source via SFTP and all Charging Session Data and Smart Home Charging Session Data content shall each be presented in a single file. The file shall include all new Charging Session Data following the last record contained in the previous file exchange. The format of this data is at the discretion of the Reporting Entity. The file format includes a single row for each Charging Session, with the column names and format described below. Other formats are not acceptable.

Required Charging Session Data Fields:

Multi-unit dwelling and non-residential facility locations: Network Service Provider shall provide Charging Session Data that includes the data content described in *Table 1: Charging Session Data Field List*; *Table 2: Interval Data Field List (optional)*; and *Table 3: Data Source Inventory Field List*.

Single family residential locations: Network Service Provider shall provide Charging Session Data that includes the data content described in *Table 4: Smart Home Charger Source Data Field List*; *Table 5: Smart Home Charging Session Data Field List*.

Table 1: Charging Session Data Field List

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
Reporting Entity	Unique identifier for the Reporting Entity, which shall be constant over time. The Reporting Entity may choose its identifier or request that the Program	String	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	Manager assign one.		
Data_Source_ID	<p>Manufacturer-issued serial number of the EVSE (charging equipment). A unique identifier of the Data Source which is not repeated for any other Data Source in the Network Service Provider's Data Source portfolio, and which is constant over time.</p>	<p>String</p> <p><i>Example: 1234567890</i></p>	Required
Station_ID	<p>This uniquely identifies a charging station (either ID or name). A charging station is the area in the immediate vicinity of a group of chargers and includes the chargers, supporting equipment, parking areas adjacent to the chargers, and lanes for vehicle ingress and egress. Note that a charging station could comprise only part of the property on which it is located.</p> <p>The specified Charging Station ID must be the same unique identifier used to identify the charging station in data made available to third parties in §680.116(c)(1). The station_id attribute corresponds to location_id in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example: LOC1</i></p>	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
Session_ID	<p>This uniquely identifies each charging session. A charging session is a period of time that is initiated when an EV is connected to a charging port (plugged-in) and concludes when the EV is disconnected from the charging port (unplugged).</p> <p>The session_id attribute corresponds to session_id in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> 101 01KOL</p>	Required
Port_ID	<p>This uniquely identifies a charging port. A charging port is the system within a charger that charges one electric vehicle (“EV”). A charging port may have multiple connectors, but it can provide power to only one EV through one connector at a time. In cases where there exist more than one (1) charging port on a charger, each charging port must be uniquely identified by a Charging Port ID.</p> <p>This specified Charging Port ID must be the same value used to identify the charging port in data made available to third parties in 680.116(c)(8)(ii). The port_id attribute corresponds to evse_uid in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> 3256 EG98</p>	Required
Time_Zone	The time zone applicable to all timestamps reported.	String	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
Session_Start	<p>Timestamp (following RFC 3339 in UTC, as shown in OCPI 2.2.1 DateTime Section 16.2) identifying when the charging session (charging session ID) became active in the platform of the charging network provider. The session_start data attribute corresponds to start_date_time in Session Object in OCPI 2.2.1.</p> <p>A charging session is considered active when all pre-conditions for a session being accepted and active are met: There has been communication between the EV and charger (e.g., cable was correctly plugged in) and the EV or driver is authorized by the network provider to charge. At this time the EV is being charged (or can be charged) and energy is (or is not) being transferred to the EV.</p>	<p>YYYY-MM-DD HH:mm:ss in UTC</p> <p>Reported as type: DateTime</p> <p><i>Example:</i> 2023-07-03T12:51:48Z</p> <p>Unit: UTC</p>	Required
Session_End	<p>Timestamp (following RFC 3339 in UTC, as shown in OCPI 2.2.2 DateTime Section 16.2) identifying when the charging session (charging session ID) was completed. The session_end data attribute corresponds to end_date_time in Session Object in OCPI 2.2.1.</p> <p>Note that charging might have finished before the session ends (e.g., EV is full</p>	<p>YYYY-MM-DD HH:mm:ss in UTC</p> <p>Reported as type: DateTime</p> <p><i>Example:</i> 2023-07-03T12:51:48Z</p> <p>Unit: UTC</p>	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	but customer must continue to pay for parking spot until session is completed).		
Charging_Start	When power transfer to the vehicle began for the first time, after the related session_start timestamp.	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime Example: 2023-07-03T12:51:48Z Unit: UTC	Required
Charging_End	When power transfer to the vehicle ended for the last time before the related session_end timestamp.	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime Example: 2023-07-03T12:51:48Z Unit: UTC	Required
Charging_Duration	The cumulative length of time over which power transfer to a particular EV takes place between session_start and session_end, measured in minutes. Note that Charging_Duration with respect to a particular EV may not always be equal to	Non-Negative Integer Unit: Minutes	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	the difference between Charging_Start timestamp and Charging_End timestamp, due to charging interruptions.		
Session_Error	<p>Any error codes associated with an unsuccessful charging session. If more than one (1) error code is associated with an unsuccessful charging session, a comma-separated list of all relevant error codes must be given. Specify “None” if there are no errors associated with the charging session.</p> <p>Recommended list of error codes:</p> <p>none (None): No errors associated with the charging session.</p> <p>CX001 (ConnectorLockFailure): Failure to lock or unlock connector on the vehicle side.</p> <p>CX002 (GroundFailure): Ground fault circuit interrupter has been activated.</p> <p>CX003 (HighTemperature): High temperature inside the EVSE is derating power delivery.</p> <p>CX004 (OverCurrentFailure): Over current protection device has tripped.</p> <p>CX005 (OverVoltage):</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p>Example:</p> <p>{CX020}</p> <p>{CX009, CX013}</p> <p>{CX025, other}</p> <p>{other}</p> <p>{none}</p>	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	<p>Input voltage to the vehicle has risen above an acceptable level.</p> <p>CX006 (UnderVoltage): Input voltage to the vehicle has dropped below an acceptable level.</p> <p>CX007 (WeakSignal): Wireless communication device reported a weak signal.</p> <p>CX008 (EmergencyStop): Emergency stop is pressed by the user (required if equipped).</p> <p>CX009 (AuthorizationTimeout): The user plugs in but fails to authorize a charging session prior to the connection timeout between the vehicle and EVSE.</p> <p>CX010 (InvalidVehicleMode): The vehicle is in an invalid mode for charging.</p> <p>CX011 (CableCheckFailure): Failure during the cable check phase. Includes isolation failure.</p> <p>CX012 (PreChargeFailure): The EVSE did not reach the correct pre-charge voltage.</p> <p>CX013 (NoInternet): The EVSE has no internet connectivity.</p>		

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	<p>CX014 (PilotFault): The control pilot voltage is out of range.</p> <p>CX015 (PowerLoss): The EVSE is unable to supply any power due to mains failure.</p> <p>CX016 (EVContactorFault): Contactors fail to open or close on the vehicle side. May also include welding related errors.</p> <p>CX017 (EVSEContactorFault): Contactors fail to open or close on EVSE's side. May also include welding related errors.</p> <p>CX018 (CableOverTempDerate): Temperature of charging cable or connector assembly is too high, resulting in reduced power operation.</p> <p>CX019 (CableOverTempStop): Temperature of charging cable or connector assembly is too high, resulting in a stopped charging session.</p> <p>CX020 (PartialInsertion): Cable latch is raised due to incomplete insertion into the vehicle charging port.</p> <p>CX021 (CapacitanceFault): An Isolation Monitoring Device tripped due to high capacitance during active</p>		

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	<p>charging.</p> <p>CX022 (ResistanceFault): An Isolation Monitoring Device tripped due to low resistance to the chassis during active charging.</p> <p>CX023 (ProximityFault): The proximity voltage is out of range.</p> <p>CX024 (ConnectorVoltageHigh): The output voltage of EVSE is high before charging starts or after charging ends.</p> <p>CX025 (BrokenLatch): The latch on the connector is broken.</p> <p>CX026 (CutCable): The output cable has been severed from the EVSE.</p> <p>other (Other): Any other errors not specified above. Additional description must be provided in session error description.</p> <p>More information on recommended error codes can be found in “Recommendations for Minimum Required Error Codes for Electric Vehicle Charging Infrastructure” and “Implementation Guide for Minimum Required Error Codes in Electric Vehicle Charging Infrastructure” by ChargeX Consortium (https://inl.gov/chargex/).</p>		

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
error_other	<p>The description for any other error codes associated with an unsuccessful charging session that are not categorized in the recommended error codes in session_error (i.e., “other” was selected for session_error). If multiple errors need to be defined, they should be given by a comma-separated list.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i></p> <p>{error description 1} {error description 1, error description 2}</p>	Required (if description met)
energy_kwh	<p>Amount of energy (in kilowatt-hours) dispensed by the port (port ID) during the charging session (session ID). Energy charged corresponds to the attribute ENERGY_IMPORT defined in the CdrDimensionType object in OCPI 2.2.1.</p> <p>Specify value as none for a session that was not successful-i.e., no energy was dispensed, and a non-empty value of session error is associated with this charging session.</p>	<p>Numeric value greater than zero for any successful charging specified to at least two (2) decimal places</p> <p>Reported as type: Decimal (7,2)</p> <p><i>Example:</i></p> <p>52.31 none</p> <p>Unit: kWh</p>	Required
power_kw	<p>Maximum power (in kilowatts) dispensed by the port (port ID) during charging session (session ID). Peak power corresponds to the MAX_POWER attribute defined in the</p>	<p>Numeric value greater than zero for any successful charging specified to at least two (2) decimal places</p> <p>Reported as type: Decimal (7,2)</p> <p><i>Example:</i></p>	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	<p>CdrDimensionType object in OCPI 2.2.1.</p> <p>Specify value as “none” for a session that was not successful-i.e., no energy was dispensed, and a non-empty value of session error is associated with this charging session.</p>	<p>120.43</p> <p>None</p> <p>Unit: kW</p>	
Fee	<p>The amount due from the EV driver, in USD. If fees may apply at the Data Source, but the EV driver did not owe a fee (due to network membership or another factor), the Fee should be represented as zero.</p> <p>Suggested Format Detail: If no fees apply under any circumstances at the Data Source (for a personal-use or otherwise “free charger”), the Fee should be <NULL>.</p>	<p>Decimal Number</p> <p>(A positive value shows payment due from the EV driver.)</p>	Required
Payment_ Method	<p>Method(s) of payment used to complete the charging session (session ID). If more than one (1) payment method is associated with a charging session, a comma-separated list of all relevant payment methods must be given.</p> <p>Recommended list of payment methods:</p> <p>none: Successful or unsuccessful charging session with no payment received</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i></p> <p>{membership}</p> <p>{credit_card_terminal, phone_online}</p> <p>{other}</p> <p>{none}</p>	Required

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
	<p>membership: Payment by membership account and/or membership card</p> <p>credit_card_terminal: Payment via credit card or debit card terminal</p> <p>phone_online: Payment through mobile app, website, automated phone number or messaging system</p> <p>plug_charge: Payment via ISO 15118 Plug and Charge</p> <p>roaming: Payment via roaming partners</p> <p>other: Any other payment method not specified above. Additional description should be provided in Payment Method Description.</p>		
payment_other	<p>The description for any method(s) of payment used to complete the charging session that are not categorized in the recommended payment methods in payment_method (i.e., “other” was selected for payment_method). If multiple payments need to be defined, they should be given by a comma-separated list.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> {cash} {cash, transit card}</p>	Required
Optional Fields			

Field Name	Charging Session Data Content Description	Accepted Data Format	Content Required
[Additional fields]	Data fields other than the ones described herein, such as peak Charging Session power, are welcome and may be provided at the Reporting Entity's discretion.		Optional

Interval Data

Interval Data is optional. Interval Data shall be submitted in monthly flat file in .csv format and in a third file.

Table 2: Interval Data Field List

Field Name	Interval Data Content Description	Accepted Data Format	Content Required
Data_Source_ID	<p>Manufacturer-issued serial number of the EVSE (charging equipment). A unique identifier of the Data Source which is not repeated for any other Data Source in the Network Service Provider’s Data Source portfolio, and which is constant over time.</p>	<p>String</p> <p><i>Example:</i> 1234567890</p>	Required
Port_ID	<p>This uniquely identifies a charging port. A charging port is the system within a charger that charges one electric vehicle (EV). A charging port may have multiple connectors, but it can provide power to only one EV through one connector at a time. In cases where there exist more than one (1) charging port on a charger, each charging port must be uniquely identified by a Charging Port ID.</p> <p>This specified Charging Port ID must be the same value used to identify the charging port in data made available to third parties in 680.116(c)(8)(ii). The port_id attribute corresponds to evse_uid in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> 3256 EG98</p>	Required
Session_ID	<p>This uniquely identifies each charging session. A charging session is a period of time that is initiated when an EV is connected to a charging port (plugged-in) and concludes when the EV is disconnected from the charging port (unplugged).</p> <p>The session_id attribute corresponds to session_id in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> 101 01KOL</p>	Required

Interval_Start	The beginning of the 15-minute interval. All Interval_Start timestamps should align with natural time increments with mm:ss corresponding to exactly 00:00, 15:00, 30:00, or 45:00.	Date/Time	Required
Interval_End	The end of the 15-minute interval. All Interval_End timestamps should align with natural time increments with mm:ss corresponding to exactly 00:00, 15:00, 30:00, or 45:00.	Date/Time	Required
Interval_kWh	Decimal number representing the electricity delivered (in kWh, to two decimal places) in the 15-minute interval.	Decimal Number	Required

Data Source Inventory Content

The Data Source Inventory contains information about the portfolio of Participating Data Sources that a particular Reporting Entity manages.

To be eligible for inclusion in a Program, a Network Service Provider must provide the data content detailed in Table 3: Data Source Inventory Field List.

Many of the fields in Table 3 shall be collected at the time a new Participating Data Source is commissioned and will remain constant over time. From time to time, the NJDEP and NJBPU may provide updates or add additional fields. Such additions will be made after consultation with, and notice to, all pre-approved vendors.

Scope, Updates, and Persistence:

Fields in the Data Source Inventory should be updated for Participating Data Sources only. Data Sources that are no longer Participating Data Sources will be marked as “Inactive” and their Data Source Inventory data will not otherwise be updated, though it must continue to be reported.

Once a Participating Data Source is correctly included on the Data Source Inventory, it shall not be removed from the Data Source Inventory although its Operating Status indicator may change. Thus, even if a Data Source no longer exists in the real world, or is no longer a Participating Data Source, a record of its existence will be preserved in the Data Source Inventory with an “Inactive” status indicator.

Format:

The Data Source Inventory shall be provided in a single file, separate from the Charging Session Data. The format of the file should be .csv, with fields in the order noted in Table 3. Each field in the file format represents parameters about the Data Source and Port. Each row in the file format represents a single instance of an outage event for a given charging port (Port_ID). In the case that there are no outage events on a Port, the row represents a single Port ID with null information in

its Outage_Id, and Outage_Duration fields, and a value of zero for its Outage_Count field.

Table 3: Data Source Inventory Field List

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
Station_ID	<p>This uniquely identifies a charging station (either ID or name). A charging station is the area in the immediate vicinity of a group of chargers and includes the chargers, supporting equipment, parking areas adjacent to the chargers, and lanes for vehicle ingress and egress. Note that a charging station could comprise only part of the property on which it is located.</p> <p>The specified Charging Station ID must be the same unique identifier used to identify the charging station in data made available to third parties in §680.116(c)(1). The station_id attribute corresponds to location_id in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> LOC1</p>	Required
Port_ID	<p>This uniquely identifies a charging port. A charging port is the system within a charger that charges one electric vehicle (EV). A charging port may have multiple connectors, but it can provide power to only one EV through one connector at a time. In cases where there exist more than one (1) charging port on a charger, each charging port must be uniquely identified by a Charging Port ID.</p> <p>This specified Charging Port ID must be the same value used to identify the charging port in data made available to third parties in 680.116(c)(8)(ii). The port_id attribute corresponds to evse_uid in OCPI 2.2.1.</p>	<p>Alphanumeric character string with no maximum character count.</p> <p>Reported as type: String</p> <p><i>Example:</i> 3256 EG98</p>	Required
Reporting_Entity	<p>Unique identifier for the Reporting Entity, which shall be constant over time. The Reporting Entity may choose its identifier or request that the Program</p>	String	Required

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
	Manager assign one.		
Data_Source_ID	Manufacturer-issued serial number of the EVSE (charging equipment). Unique identifier of the Data Source which is not repeated for any other Data Source in the Network Service Provider's Data Source portfolio, and which is constant over time.	String <i>Example:</i> 1234567890	Required
Last_Verified	The most recent time at which the Data Source data was verified and current. Typically, this should correspond to the end of the reporting period.	Date/Time	Required
Model_Number	The model number of the Data Source equipment, where applicable.	String	Required
Source_Type	The type of Data Source supporting the charging transaction.	String "Chrgr-L2", "Chrgr-DCFC", "Vehicle", or "Telematic"	Optional
Port_Count	The number of simultaneously operable ports provided by the Data Source, where applicable.	Positive Integer	Required
Port_Power	The power provided by each port associated with the Data Source, in kW (to at least one decimal place), when all ports are simultaneously in use, where applicable.	Positive Decimal Number	Optional
Site_Name	A name for the location where charging is taking place, typically the host name for charging locations.	String	Required
Address	Site street address	String	Required
City	Site city	String	Required
State	Site state	String	Optional

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
ZIP	Site ZIP code	ZIP Code	Required
County	Site County	String	Optional
Owner	The name of the entity that owns the Data Source.	String	Optional
Service_Type	Differentiates between charging served by a dedicated utility service and charging that shares a utility service with other loads (“behind-the-meter”)	String “DEDICATED” or “BTM”	Optional
Utility	The electric utility supplying service	String “PS”, “AC”, “JC”, “OR”, and “OT” (for “other”)	Optional
Utility_Account	The utility account number for the service providing power to the Data Source, where applicable.	String	Optional
Site_Type	The setting of the Site (e.g. single family, residential, hotel, public, etc.)	String “S” = single family residential “M” = multi- family residential “W” = workplace “F” = fleet “P” = Public “H” = Hotel, and “O” = Other	Optional
Commission_Date	The first day after installation in which the Data Source is fully operable and accessible for its intended purpose and is transmitting any data to the Network Service Provider.	Date/Time	Required
Operating_Status	The Operating status indicates whether, as of the last verification, the charger has been commissioned, has not been decommissioned, has not been	String “ACTIVE” or “INACTIVE”	Required

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
	permanently or temporarily disabled, and is capable of dispensing electricity.		
Uptime_Reporting_Start	Timestamp (following RFC 3339 in UTC, as shown in OCPI 2.2.2 DateTime Section 16.2) identifying the start date of the reporting period for port uptime, total outage, and total excluded outage.	Reported as type: DateTime <i>Example:</i> 2023-07-03T12:51:48Z Unit: UTC	Required
Uptime_Reporting_End	Timestamp (following RFC 3339 in UTC, as shown in OCPI 2.2.2 DateTime Section 16.2) identifying the end date of the reporting period for port uptime, total outage, and total excluded outage.	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime <i>Example:</i> 2023-07-03T12:51:48Z Unit: UTC	Required
Uptime	<p>The uptime of a port (port ID) is the time over the previous twelve (12) months when a charger's hardware and software are both online and available for use, or in use, and the charging port successfully dispenses electricity in accordance with requirements for minimum power level. 23 CFR 680.112 and 23 CFR 680.116(b) requires that port uptime be calculated on a monthly basis for the previous twelve months, in accordance with the equation in 23 CFR 680.116(b)(3) for each month of the reporting period:</p> $\mu = ((525,600 - (T_{\text{outage}} - T_{\text{excluded}})) / 525,600) \times 100$ <p>Where: μ = port uptime percentage for a given port ID</p> <p>T_{outage} = total minutes of outage for the port ID in previous year</p>	<p>Numeric value equal to or greater than zero and equal to or less than 100 and specified to at least two (2) decimal places</p> <p>Reported as type: Decimal (5, 2)</p> <p><i>Example:</i> 98.23 0.00 100.00</p> <p>Unit: Percentage</p>	Required

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
	<p>T_excluded = total minutes of outage for the port ID in previous year for reasons outside the charging station operator's control.</p> <p>Reasons for outage outside the charging station operator's control provided that the charging station operator can demonstrate that the charging port would otherwise be operational may include but are not limited to: electric utility service interruptions; failure to charge or meet the EV charging customer's expectation for power delivery due to the fault of the vehicle; scheduled maintenance; vandalism; or natural disasters. Also excluded are hours outside of the identified hours of operation of the charging station.</p> <p>Port uptime must be calculated as a rolling, annual percentage according to the above formula that is updated each month.</p>		
Total_power	The total maximum power output rating of the Data Source in kW (to at least one decimal place), when the maximum number of ports are in use, where applicable.	Positive Decimal Number	Required
Total_Outage	The total time (in minutes) over the previous 12 months during which the charging port (port ID) did not successfully dispense electricity as expected. This corresponds to the T_outage value in port uptime formula in 23 CFR 680.116(b).	Numeric value equal to or greater than zero and specified to at least two (2) decimal places Reported as type: Decimal (6,2) <i>Example:</i> 50.25 0.00 8760.00 Unit: Minutes	Required

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
total_outage_excl	<p>The total time (in minutes) over the previous twelve (12) months during which the charging port (port ID) did not successfully dispense electricity as expected for reasons outside the charging station operator's control, provided that the charging station operator can demonstrate that the charging port would otherwise be operational: electric utility service interruptions, failure to charge or meet the EV charging customer's expectation for power delivery due to the fault of the vehicle, scheduled maintenance, vandalism, or natural disasters. Also excluded are hours outside of the identified hours of operation of the charging station. This corresponds to the T_excluded value in port uptime formula in 23 CFR 680.116(b).</p> <p>Charging station operators should be able to demonstrate that the charging port would otherwise be operational.</p>	<p>Numeric value equal to or greater than zero and specified to at least two (2) decimal places</p> <p>Reported as type: Decimal (6,2)</p> <p><i>Example:</i> 50.25 0.00 8760.00</p> <p>Unit: Minutes</p>	Required
Outage_Id (Outage data reported on separate table)	<p>Timestamp uniquely identifying a single instance of an outage for a given charging port (port ID). An outage is any period of time during which a charging port cannot successfully dispense electricity as expected.</p> <p>Outages must be identified regardless of whether their occurrence is for reasons outside of the control of the charging station operator (see outage and excluded outage data attributes for details). The outage_id should follow RFC 3339 in UTC, as shown in OCPI 2.2.1 DateTime type.</p>	<p>YYYY-MM-DD HH:mm:ss in UTC datetime</p> <p>Reported as type: DateTime</p> <p><i>Example:</i> 2023-07-03T12:51:48Z</p> <p>Unit: UTC</p>	Required
Outage_Duration (Outage data reported on	<p>Length of time (in minutes) during which the charging port (port ID) could not successfully dispense electricity as expected. Outage duration must be reported for each outage instance (outage</p>	<p>Numeric value greater than zero and specified to at least one (1)</p>	Required

Field Name	Data Source Inventory Content Description	Accepted Data Format	Content Required
separate table)	ID) and measure the duration of the entire outage, starting from initial disruption in electricity being dispensed as expected to when charging port is able to dispense electricity again successfully.	decimal place Reported as type: Decimal (8,2) <i>Example:</i> 120.55 Unit: Minute	
Outage_Count	The number of Outages recorded by the Data Source during the reporting period.	Non-Negative Integer or <NULL> if not known	Optional
[Additional fields]	Additional fields are welcome and may be provided at the discretion of the Reporting Entity.	Multiple	Optional

Table 4: Smart Home Charger Source Data Field List

Field Name	Description	Accepted Data Format	Content Required
evse_id	A unique serial number, from the manufacturer, of the Data Source (Charging Equipment) installed at a given home	Alphanumeric	Required
street_address	The physical street address where charger is located	String	Required
city	The name of the city where charger is located	String	Required
state	The state where charger is located (2 Character state abbreviation)	String	Required
zip_code	The 5 digits zip-code where charger is located	String	Required
evse_manufacturer	The name of the EVSE equipment manufacturer	String	Required
evse_model	The name of the make/model of the charging equipment to be installed	String	Required
evse_maximum_kw	The maximum output in kW produced by the EVSE	Numeric	Required
connector_type	The charging connector type	String	Required

Table 5: Smart Home Charging Session Data Field List

Field Name	Description	Accepted Data Format	Content Required
session_id	Unique identifier for the charging session	Alphanumeric	Required
evse_id	A unique serial number, from the manufacturer, of the Charging Equipment installed at a given home	Alphanumeric	Required
charge_session_start	The start time of the charging session	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime	Required
charge_session_end	The end time of charging session	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime	Required
charge_duration	Unit: Seconds	Non-Negative Integer	Required
connection_duration	The length of the connection time measured in seconds (Connection duration = Charge Duration + Idle Duration)	Integer	Required
idle_duration	The length of idle time measured in seconds	Integer	Required
energy_consumption_kwh	The amount of energy consumed during the charging session measured in kWh	Numeric	Required

charge_peak_demand_kw	The peak charge demand during the charging session measured in kW	Numeric	Required
offline_event_start	The start time of an unplanned charging session interruption	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime	Optional
offline_event_end	The end time of an unplanned charging session interruption	YYYY-MM-DD HH:mm:ss in UTC Reported as type: DateTime	Optional

Schedule “B”

Overview and Purpose:

This data specification defines the minimum requirements for a Network Service Provider’s inclusion in the list of compliant Network Service Providers for electric vehicle charging grants funded through the NJDEP or the NJBPU. All Program Applicants receiving NJBPU or NJDEP grant or incentive funds for EVSE subject to data reporting requirements are required to procure appropriate network services from one of the Network Service Providers on the list of compliant Network Service Providers. These specifications are intended to closely align with the specifications required by utility EVSE incentive programs.

Network Service Providers that meet the requirements described herein will be eligible for inclusion in the Program. The Program Manager will publish and update from time to time a list of participating compliant and non-compliant Network Service Providers on the Program website. The Program Manager will not provide access to the Data covered by this Agreement to its Employees unless the Employees have a need to know.

As part of the terms of participation in the Program between Network Service Provider and NJBPU and NJDEP, CSE (acting as an authorized partner of NJBPU and NJDEP, and at the direction of NJBPU and NJDEP) provides the following services to NJBPU and NJDEP: (a) acting as a single service provider to vet Network Service Providers for compliance with NJBPU and NJDEP data sharing requirements; and (b) aggregating compliant Network Service Provider charging data across state-managed EV charging incentive programs, including the deployment of NEVI funding.

Eligibility:

To maintain compliance with the Program, a Network Service Provider must certify that it will meet the requirements and agree to provide the data from the Participating Data Sources to CSE at no cost.

To remain compliant with the requirements of the Program, a Network Service Provider must work in good faith with CSE to establish and maintain data transfer on terms that are mutually acceptable and as listed in Schedule “A” to this Agreement.

Compliance:

In collaboration with CSE, both NJBPU and NJDEP reserve the right to determine that a Network Service Provider is noncompliant with the requirements and to remove non-compliant Network Service Providers from the Program. Non-compliant Network Service Providers are still required to provide Data to the Program Manager until the applicable Reporting End Date for each Participating Data Source.

Schedule “C”

Defined Terms.

Applicant: Any individual or entity that applies for, receives, or participates in an electric vehicle (“EV”) charging incentive, grant, rebate, or funding program administered, sponsored, or overseen by the NJBPU and/or the NJDEP, including, where applicable, the Network Service Provider acting on its own behalf, and that selects or utilizes a Network Service Provider in connection with the installation, operation, or management of an EV charging station in the State of New Jersey.

Charging Session: A charging occurrence for a single EV, during which a certain amount of energy is transmitted to the EV, measured in duration according to the time of the EV’s physical plug-in to the EVSE to the time of the EV’s physical plug-out from the EVSE. All events between the physical plug-in and physical plug-out are considered part of the same Charging Session, regardless of any interruptions or restarts that may take place within that period.

Claims: Any and all claims, actions, proceedings, costs, liabilities, losses and expenses (including, but not limited to, reasonable attorneys’ fees).

Data: Data collected during the operation of the EV Network by Network Service Provider from the usage of the EV charging stations.

Data Group: The four (4) required groups of data available under this Agreement stated as: (Table 1) Charging Session Data; (Table 3) Data Source Inventory Data; (Table 4) Smart Home Charger Source Data; and (Table 5) Smart Home Charging Session Data, as described in Schedule “A.”

Data Source: An EVSE or other technology that records EV Charging Session data.

Data Source Owner: The entity that owns the physical Data Source.

Date/Time: A string field with the preferred format: YYYY-MM-DD HH:mm:ss in UTC (Coordinated Universal Time).YYYYMMDD hh:mm:ss [+/-hh:mm] using a 24-hour clock. The time in brackets represents the difference from coordinated universal time.

Decimal Number: A numeric field that may contain up to seven significant digits.

EVSE: Electric vehicle supply equipment.

Employees: Individuals employed by CSE.

EV: Electric Vehicle.

EV Network: Open-platform network of electric vehicle charging stations and vehicle charging applications operated and maintained by the Network Service Provider.

Integer: A specific numeric field which may only contain whole numbers.

Interval Data: Data that uses timestamps that align with natural time increments (i.e., at the beginning of the hour, or 15, 30, or 45 minutes thereafter) in the same time zone reported in the Session Data. Each 15-minute interval will be associated with a real number representing electricity delivered to vehicles (in kilowatt-hours, to at least two decimal places) in that interval. Interval data must be clearly linked to a single Participating Data Source and ideally should be linked to a particular Port and Charging Session.

Network Service Provider: A business that provides electric vehicle charging network services which include collection of EV charging data.

NEVI: The National Electric Vehicle Infrastructure Formula Program.

NJBPU: New Jersey Board of Public Utilities.

NJDEP: New Jersey Department of Environmental Protection.

Operating Status (ACTIVE/INACTIVE): A Participating Data Source is ACTIVE when it is operable by the intended user, it is associated with a network service that is capable of data collection and reporting to meet this specification, and the Data Source Owner is in good standing with that network service. A Participating Data Source may shift between ACTIVE and INACTIVE status multiple times, as dictated by that Participating Data Source's performance history. The status of the Participating Data Source on the last day of the reporting period shall be used as the basis for determining whether the Participating Data Source is ACTIVE or INACTIVE. Note that Operating Status is distinct from Outage status, i.e., a device may experience any quantity or duration of Outages while remaining ACTIVE. If a Data Source ceases to qualify as a Participating Data Source, its Operating Status shall be INACTIVE. The Operating status indicates whether, as of the last verification, the charger has been commissioned, has not been decommissioned, has not been permanently or temporarily disabled, and is capable of dispensing electricity.

Outage: Any period in which one or more ports of an EVSE is incapable of delivering its normal rated energy capacity to an appropriately authorized EV, other than periods in which the Data Source Owner may choose to make the EVSE unavailable for use.

Participating Data Source: A Data Source (a) that CSE represents and warrants have been funded (in part or whole) pursuant to a Program; (b) that CSE represents and warrants are currently subject to data reporting requirements pursuant to an agreement between Program Manager(s) and the applicable Applicant setting forth the obligations for Applicant's participation in the Program; (c) are operating on the network of the Network Service Provider; and (d) whose owner has granted written consent to the Reporting Entity or the Program Manager to have the relevant data accessed for purposes of providing it to a Program.

Port: A connection capable of transmitting energy to a vehicle. For the purposes of this standard, the total number of ports associated with a Data Source shall be equal to the number of simultaneously operable ports that the Data Source can provide.

Program: One or more EV charging incentive or grant programs administered or funded by the NJDEP and/or the NJBPU, under which Applicants are required to select a Network Service

Provider from a list of compliant providers that have executed applicable data sharing and reporting agreements.

Program Manager: NJDEP staff, NJBPU staff, or a consultant hired by NJDEP or NJBPU (such as CSE), responsible for the Program's operations, including receiving and processing the data received from the Reporting Entity.

Reporting Entity: The entity that provides the data derived from Participating Data Source(s) to the Program Manager. In most cases, this entity will be a Network Service Provider. However, the Reporting Entity may also be another party that is able to meet the requirements.

Reporting Start Date: Network Service Provider's data reporting obligations under this Agreement with respect to each Participating Data Source shall commence on the date on which the applicable EV charging station is fully activated and made available for use.

Reporting End Date: Network Service Provider's data reporting obligations under this Agreement with respect to each Participating Data Source shall continue for five (5) years thereafter.

Technical Meeting: The required meeting with the Program Manager to address data delivery procedures, which the Network Service Provider must participate in as a condition precedent to inclusion on the State of New Jersey's list of compliant Network Service Providers eligible for selection by Applicants.

SFTP: Secure File Transfer Protocol.

Site: The physical location where vehicle charging occurs.

String: A text field of letters, numbers, punctuation, and symbols. Empty string fields are <NULL>.

ZIP Code: A valid five-digit US ZIP code.