

Solar PV Program Guidebook

Program Year 2009
(through December 31, 2009)
Draft 12/19/2008

Take a Load Off, Texas is provided by Oncor as part of the company's commitment to reduce energy consumption, energy demand, and carbon emissions. Frontier Associates and Clean Energy Associates work on behalf of Oncor to implement the Take a Load Off, Texas Solar PV Program. For more information visit www.takealoadofftexas.com.

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1. Program Overview

1.a. Program Description

The Oncor Take a Load Off, Texas, Solar PV Program offers financial incentives for Oncor Electric Delivery customers who install eligible distributed solar energy generating equipment. This Guidebook presents program participation guidelines applicable through December 31, 2009. The customer participation process, in summary, is as follows:

1. Customers work with service providers to determine eligibility and define the technical specifications of a solar electric system suitable for their property.
2. The selected service provider completes an incentive application, submitting technical details of the proposed system to the Program Manager for review. The Program Manager reviews the incentive application, and either approves the application or informs the customer/service provider of the reasons for denial. Approvals indicate the incentive dollar amount reserved and the period of time the incentive reservation is valid.
3. The service provider constructs the proposed system, submits a final application form, and passes a program inspection (if selected for inspection). Oncor sends an incentive check directly to the customer or their selected service provider.

The Oncor Take A Load Off, Texas Solar PV Program is just one of many Oncor programs offering financial incentives, educational resources, and information on renewable energy systems, energy efficiency measures, and combined heat and power technologies. These programs are available to Oncor Electric Delivery customers, including residential customers, businesses, and schools. Information about these programs can be found at Oncor's website, www.takealoadofftexas.com.

1.b. Program Management and Contacts

If you have any questions about the Program or how to begin the application process you may contact the Oncor Solar PV Program Manager directly:

Steve Wiese, Program Manager
Oncor's Take a Load Off, Texas Solar PV Program
1515 S Capital of Texas Highway, Suite 110
Austin, Texas 78746
(512) 653-9651
steve.wiese@cleanenergyassociates.com

Take a Load Off, Texas is provided by Oncor as part of the company's commitment to reduce energy consumption, energy demand, and carbon emissions. Frontier Associates and Clean Energy Associates work on behalf of Oncor to implement the Take a Load Off, Texas Solar PV Program. For more information visit www.takealoadofftexas.com. For questions regarding Frontier Associates' and Clean Energy Associates' relationship to Oncor and the Take a Load Off, Texas Solar PV Program, you may contact Oncor's customer service department at (866) 728-3674 or eecustinfo@oncor.com.

1.c. Program Changes

This document is intended to provide a detailed and consistent reference on Solar PV Program design and implementation processes to market participants, but does not address every

possible situation or complication which may arise during program implementation. When instances requiring clarification are identified, the Program Manager will attempt to provide guidance consistent with program intent as well as with higher level goals and priorities.

Oncor and the Solar PV Program Manager reserve the right to change program guidelines, processes, requirements, budgets, budget allocations and other program details at any time without prior notice to market participants.

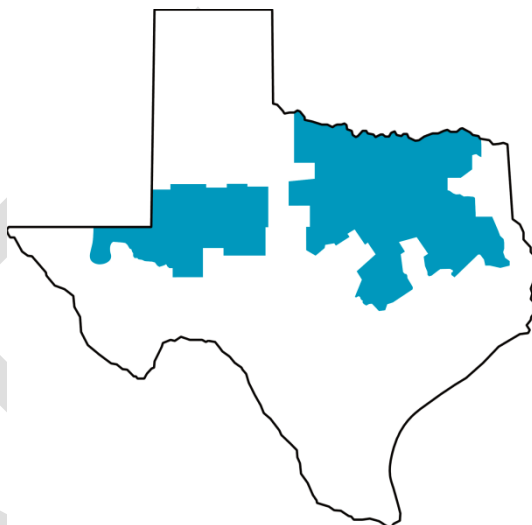
2. Eligibility

2.a. Customers

For the purposes of this program, “customers” are defined as the entity with financial responsibility for paying the electric bill for the meter behind which the distributed solar energy equipment is to be installed.

Any customer served by Oncor Electric Delivery is eligible to participate in the program. Customers may receive incentives for new systems proposed for multiple points of service (i.e., locations with unique meter ESI-IDs). However, each point of service is eligible to participate in the program only once.

The map at right shows Oncor Electric Delivery’s service area in Texas. This map is provided for reference only, as customers located within this service territory may or may not receive electric service from Oncor Electric Delivery.



Oncor customers may be identified by the Electric Service Identifier number (ESI-ID) printed on their electric bill or meter as shown below. The ESI ID includes a company code; both Oncor and SESCO company IDs are served by Oncor.

Oncor ESI ID

10 44372, 000 1234567

Oncor company code

Premise ID#

SESCO ESI ID (Southwestern Electric Service Co.)

10 17699, 000 1234567

Oncor company code

Premise ID#

2.b. Service Providers

All work must be performed by an eligible solar PV installation service provider. A list of eligible service providers will be made available on the program website and can be requested from the Program Manager. In order to be eligible to participate in the program, service providers must:

1. Agree to permit electrical work using a licensed electrician or electrical contractor in the state of Texas;
2. Carry liability insurance with the following coverage:
 - a. \$500,000 Combined Single Limit;
 - b. Bodily Injury and Property Damage/\$500,000 General Aggregate;
3. Meet one or more of the eligibility requirements listed below:

- a. Be a licensed Texas Electrical Contractor and either:
 - Meet at least one of the other eligibility requirements listed below, or
 - Agree that one or more of Service Provider's employees will successfully complete at least 40 hours of PV installation training by June 30, 2009.
- b. Demonstrate/document successful completion of at least 3 licensed and grid-interconnected PV installations in Texas since January 1, 2008.
- c. Demonstrate/document successful completion of at least 40 hours of PV installation training provided by a third party since January 1, 2008.

Please note that it is the intention of the program manager to require full NABCEP certification or an equivalent certification of all service providers in a subsequent program year. In order to maintain eligibility to participate in the program, service providers must also meet ongoing quality control/quality assurance requirements detailed in Section 5, must attend a minimum number of technical training sessions offered by the Program Manager, and must attend periodic program update conference calls and webinars. Dates for the training/webinars can be found on the program website.

Customers with Unique Purchasing Processes or Requirements

Some eligible customers, such as large companies and government agencies such as municipalities and schools, may need to register their project and receive a letter confirming pre-approval of the requested incentive amount prior to selecting an eligible solar PV installation service provider. These customers may work directly with the Program Manager to submit an incentive reservation request on their behalf. In these cases, the Program Manager will act as a proxy service provider until the customer has selected a registered service provider; at that time, the project will be transferred to the registered service provider.

In general, the Program Manager will act as a proxy service provider for customers with unique purchasing processes or requirements as long as the customer:

- Demonstrates funding availability and appropriate authorization for the proposed project;
- Commits to using a registered service provider for the installation; and,
- Agrees to complete the installation within the applicable incentive reservation period.

2.c. Equipment and Installation

Major Equipment (Modules, Inverters, Meters)

Only new eligible solar photovoltaic equipment providing energy to the customer premise through an interconnection on the customer's side of the electric meter qualifies for incentives under this program. The Program adopts by reference the lists of Eligible Photovoltaic Electricity System Equipment, including the lists of eligible solar modules, inverters, and revenue grade meters, from the California Solar Initiative. These lists may be found at this address: <http://www.gosolarcalifornia.org/equipment/index.html>.

NOTE: Oncor is not a manufacturer, supplier or guarantor of the PV system or service providers, and Oncor, whether by making available a list of registered service providers and equipment sources or otherwise, has not made and makes no representations or warranties of

any nature, directly or indirectly, express or implied, as to performance of the service provider or reliability, performance, durability, condition or quality of the PV system selected and purchased.

Ineligible Equipment

Any solar electric systems that do not deliver energy to a building's electric distribution system are ineligible for participation. Portable systems are not eligible for participation.

Minimum Performance Threshold

To be eligible to receive an incentive payment, the estimated annual electrical energy output of a solar electric system, as modeled by PVWATTS and considering an appropriate factor for shading, must be at least eighty percent (80%) of the estimated annual energy output for an optimally-sited, unshaded system of the same DC capacity. Systems which do not meet the minimum performance threshold will not receive an incentive.

The estimated annual electrical energy output of an optimally-sited, unshaded system can be determined by selecting an appropriate location, entering the system capacity in kWdc, and accepting default parameters for tilt (latitude tilt), orientation (due south), and derating factor (0.77) into the National Renewable Energy Laboratory's PVWatts calculator, available online at http://rredc.nrel.gov/solar/codes_algs/PVWATTS/.

The estimated annual electrical energy output of a proposed system shall be derived from PVWatts or equivalent software and shall consider separately the effects of tilt, orientation and shading on each array and/or string, as appropriate. The effect of shading shall be determined using a Solar Pathfinder or equivalent instrumentation. As a general rule, multiple shading measurements should be made along the lower or southern edge of an array, and/or at locations where shading is most prevalent.

Installations which do not meet the minimum performance threshold will not receive an incentive. Service providers are strongly discouraged from pursuing borderline systems, and are encouraged to contact program administrators and clearly document shading measurements whenever clarification or pre-approval is needed.

Interconnection

All PV systems must be interconnected, at customer's expense, to Oncor's electrical grid. The PV system must comply with current Oncor guidelines governing interconnection with Oncor's electric distribution system, and any subsequent revisions to these guidelines. Interconnection requirements for distributed generation systems are defined by the Texas Public Utility Commission and current requirements are posted on Oncor's website. The Program Manager will work with service providers to communicate and distribute updates to these requirements as necessary.

Manufacturer's Instructions

All equipment must be installed in accordance with manufacturer's instructions.

AC Disconnect

A utility-accessible AC disconnect is required per Oncor's interconnection requirements.

Revenue-Grade Solar Meter

All projects must include an electrical meter to measure the energy produced by the solar electric system. The solar meter must be certified to meet or exceed the applicable accuracy

standards of ANSI C12.1-2001 or its equivalent. These meters are required to meet a standard of 1 percent accuracy for systems greater than 10 kW, and 5 percent accuracy for systems up to 10 kW. Meters shall be bi-directional and report net available/usable power for the purpose of REC creation (i.e. generation net of standby losses, transformer losses, and grid power utilized by the system for significant items such as tracking systems, etc.).

Note this is not the “net meter” owned by Oncor Electric Delivery and installed at the point of service demarcation. Note also that most currently-available inverter-based metering does not meet the standard referenced above; however some inverters currently meet the standard, and more are expected. A list of eligible meters (including inverter-based meters) may be found at <http://www.gosolarcalifornia.org/equipment/index.html>.

Mounting Systems

All installations shall utilize mounting/racking systems and hardware specifically designed for use with photovoltaic systems, incorporating rust and corrosion-resistant components and appropriately engineered to withstand anticipated structural and wind loading conditions. Custom mounting solutions may be necessary in some cases: in these cases, the proposed mounting system should be properly engineered and stamped drawings submitted to the program manager.

2.d. Warranties

Eligible systems must be covered by an all-inclusive warranty for at least five years from the date of installation to protect the purchaser against component or system breakdown. The warranty must cover all major components of the system against breakdown or degradation in electrical output of more than 10% from their originally-rated electrical output during the five-year period. The manufacturer and service provider may provide the required warranty in conjunction, covering major system components and labor, respectively. An owner’s manual, including warranty documentation, must be provided to the customer on completion of the installation.

2.e. Codes/Standards/Permits

All PV system installations must obtain appropriate local building permits and pass all required local inspections. Work must be performed in accordance with all applicable federal, state, and local, codes and standards.

2.f. Additional Considerations

- **Incentive Assignments:** The incentive may be assigned by the customer to the service provider, equipment supplier, or other third party.
- **Other Restrictions:** Deed restrictions, homeowners associations, neighborhood covenants or local regulations must not prohibit the installation of solar photovoltaics on property.
- **Condominiums/joint ownership associations:**
 - Individual condominium owners applying must obtain Condominium Association permission.
 - Condominium Associations can apply under the commercial section of the incentive program, and must be connected to a commercial meter.

- **Apartments/rentals/leased properties:**
 - These qualify as commercial projects and must be under a single incentive application. Applicant must demonstrate project approval by building owner.
- **New construction:**
 - The program does not prohibit pre-applications for new construction projects that otherwise conform to all program requirements. However, there may be complications with new construction proposals which do not strictly adhere to program guidelines and processes. In these cases, service providers are encouraged to contact the Program Manager before submitting a pre-application.

3. Incentive Design and Delivery

3.a. Total Funding and Customer Classes

Table 1, below, presents the total amount of incentive funding, and funding by customer class (residential, commercial, and government/non-profit), available in program year 2009, which begins at program inception and ends on December 31, 2009.

Table 1. Program Year 2009 Incentive Funding

<u>Customer Class</u>	<u>2009</u>
Residential	\$2,818,517
Commercial/Industrial	\$900,023
Government/Non-Profit	\$463,648
Total	\$4,182,188

3.b. Incentive Level

The incentive level for program year 2009 is:

\$2.46/watt

Incentives are calculated based on the total DC capacity of a solar electric system, determined by sum of the DC(stc) capacity of all modules installed.

$$\text{Incentive} = [\text{Number of PV Modules}] \times [\text{DC-STC Rating per Module (Watts)}] \times \$2.46$$

The final incentive level will be determined following verification of the installed system by an Oncor solar field inspector. Systems not meeting all program requirements, including the minimum design threshold requirement, are ineligible for incentives.

3.c. System Size/Capacity Limits

System size/capacity is limited by applicable rules regarding interconnection and net metering (see appendices). Systems estimated to produce more energy on an annual basis than is consumed by the customer at the interconnected meter are ineligible for incentives.

3.d. Incentive Reservation/Payment Limits

Incentive reservations/payments for systems installed by residential customers are limited to \$24,600 (10 kWdc). Incentive payments for systems installed by commercial and governmental/non-profit customers are limited to \$246,000 (100 kWdc).

3.e. Limits on Participation

The table below summarizes limits on incentive reservations by customer class applicable to customers and service providers with multiple projects during the regular and open season. These limits do not apply to customers and service providers with only a single project, which are limited by system size/capacity limits and limits on incentive reservations and payments (see sections 3.c. and 3.d.). The table entries indicate the maximum amount of available incentive funds that may be reserved by a single customer or service provider. For example:

- No residential customer may reserve more than 20% of available residential incentive funds during either the regular or open season.
- No single service provider serving the residential market may reserve more than 25% of available residential incentive funds during the regular season, or more than 40% of available incentive funds during the open season.
- No single customer or service provider may reserve more than 50% of available commercial/government/non-profit incentive funds during the regular season, or more than 50% of available incentive funds during the open season.

Customer and Service Provider Limits (regular season / open season)

	<u>Customer Limits</u>	<u>Service Provider Limits</u>
Residential	20% / 20%	25% / 40%
Comm/Gov't/NP	50% / 50%	50% / 50%

Note: For the purpose of this section a "customer" means a business entity, and is not limited to a single site location.

3.f. "Open Season" Incentive Reservation Period

In order to enable each customer class to access budgeted incentive funding, incentive funding allocations by customer class will be enforced through August 31, 2009 ("regular season"). In order to promote full utilization of all available incentive funds, beginning on September 14, 2009 ("open season") all unreserved funds in all customer classes will be pooled together and made available to any eligible customer on first-come, first-served basis, subject to the limits outlined in section 3.d. and 3.e.

3.g. First-Come, First-Served Policy

Incentive funding is offered to eligible customers with complete applications on a first-come, first-served basis.

3.h. Incentive Reservation Period

All residential incentive reservations expire in 6 calendar months after the date of acceptance. All other incentive reservations expire after 12 calendar months after the date of acceptance.

3.i. Quarterly Milestone Reporting

All projects greater than 10 kWdc will be required to demonstrate progress toward completing financing and construction on a quarterly basis. Failure to report quarterly or to demonstrate progress in quarterly reports may result in termination of the incentive reservation.

3.j. Extensions

No extensions will be granted for residential projects. Customers requiring an extension will need to re-apply for incentive funding with a new application subject to funding availability at the time of reapplication.

Commercial/industrial and government/non-profit customers who cannot complete their project within the incentive reservation period may apply for an extension. Extension requests must be received before 5:00 PM on the expiration date, and must include detailed documentation regarding the reasons for the delay. Progressive documentation of issues to the Program Manager as they occur throughout the project will significantly improve the case for a project extension.

The Program Manager will consider extensions in cases where significant progress has been made toward completion of the project, and where the delay was unavoidable and unforeseeable at the time of the initial application. Approval of any extension will depend on the totality of circumstances related to reasonable progress toward each of the items listed below and the reason why the delay was unavoidable and unforeseeable as demonstrated through documentation provided with the extension request.

- a) Physical construction has started at the customer's site, which means that:
 - i. construction permits have been granted (where applicable);
 - ii. project materials are either onsite or in storage; and
 - iii. installation work has started;
- b) Irrevocable orders have been placed with the manufacturers of the major items of equipment (PV modules and inverters);
- c) Construction permits have been approved by the authority having jurisdiction (where applicable);
- d) Engineering and design work has been started and progressed to a significant degree;
- e) Material and/or equipment have been received from the manufacturer, and are either onsite or in storage.

If granted, the extension will be for a period no greater than the original applicable reservation period. No additional extensions are permitted. If a project exceeds the extended deadline, the service provider will need to re-apply for incentive funding with a new application.

3.k. Designation of Incentive Recipient

Service providers may designate the customer, themselves, or another entity to receive the incentive payment. The designation of incentive recipient can be made as part of the initial application.

3.1. Other Oncor Programs

Participation in the Solar PV Program does not affect a customer's eligibility to participate in other Oncor energy efficiency/conservation programs.

4. Participation Process

4.a. Overview

The program utilizes several forms, including the Service Provider Information Form, Project Pre-Approval Application, and Final Application Form. These forms are typically provided to the Program Manager by registered service providers. The paper versions of these forms are expected to be replaced with a web-based registration process during the 2008-2009 program year.

4.b. Detailed Description of Process Steps

Participating in Oncor's Take a Load Off, Texas Solar PV Program consists of three main steps:

1. Service provider registration;
2. Project pre-approval application; and,
3. Final application.

1. Service Provider Registration

Only eligible and approved service providers may apply for incentive funding. Eligible service providers must apply for approval by filling out and submitting the Service Provider Information form and by providing proof of current licensing, insurance, and NABCEP status to the Program Administrator. When this information is deemed to be complete, the service provider will be able to register projects for Pre-Approval. The Service Provider Information form may be obtained by contacting the Program Manager.

2. Project Pre-Approval Application

Service providers must fill out and submit a complete Project Pre-Approval Application for each proposed customer project, except in cases where the Program Manager acts as a proxy service provider for customers with unique purchasing processes or requirements (see section 2.b.). The Project Pre-Approval Application includes Oncor's Application for Interconnection and Parallel Operation of Distributed Generation with the Utility System (hereafter referred to as the "Interconnection Application").

The Program Manager will review each Project Pre-Approval Application to ensure eligibility of the proposed project, and will verify Oncor staff's approval of the Interconnection Application. If the project is determined to be eligible for participation and the Interconnection Application is approved by Oncor staff, the Program Manager will confirm pre-approval with a letter to the service provider providing a registration number and stating the pre-approved incentive amount and the incentive reservation period.

If the Project Pre-Approval Application is determined to be incomplete or the proposed project ineligible for participation, the Program Manager will inform the service provider of the deficiencies, and the service provider may modify and/or resubmit the Application.

3. Final Application

When construction is complete and all local inspections have been passed, the service provider must submit a Final Application to the Program Manager. The Final Application is used to document any differences from the Project Pre-Approval Application and to provide proof that the project has passed all required local inspections.

The Program Manager will review each Final Application for completeness and, in the case of projects which have changed in any way from what was submitted in the Project Pre-Approval Application, eligibility.

Once determined to be complete and eligible, the Program manager will select a sampling of projects for on-site inspection, and will work with the service provider and customer to schedule such inspections. The primary purpose of the program inspections will be to verify accuracy of the information submitted in the Final Application and to ensure the system is installed and operating in accordance with all program guidelines.

Projects that are not selected for inspection, or projects that are selected for and pass their program inspection, are then reported to Oncor for incentive check delivery. Customers or their designated check recipients should expect about 6-8 weeks for incentive check delivery after final approval.

4.c. Differences Between Pre-Approved and Final Applications

The Final Application is used to identify changes between project specifications detailed in the Project Pre-Approval Application from those specified in the Final Application. All changes in project specifications potentially trigger review of a project's eligibility to receive incentives and of the Interconnection Application, so service providers should clearly communicate any such changes in advance with the Program Manager to determine the effect, if any, on project eligibility and/or the customer incentive amount.

Changes which decrease the total capacity of a project will reduce the incentive amount.

Changes which increase the total capacity of a project may increase the incentive amount, but additional incentive funds are subject to availability at the time the Program Manager is notified of the change. Again, service providers are encouraged to clearly communicate any such changes in advance with the Program Manager and Oncor interconnection staff to determine the effect, if any, on project eligibility and/or the customer incentive amount.

5. Quality Control / Quality Assurance

5.a. Pre-Inspections

The Program Manager will perform pre-inspections on all projects for which a Project Pre-Approval Application has been submitted, provided that unreserved incentives remain. The pre-inspection will entail an off-site evaluation of the proposed site for the PV system to verify that the orientation and shading of the building are appropriate for adequate solar energy conversion. Depending on the situation, this evaluation will be performed using the satellite and street view applications of Google Maps or an equivalent online mapping service. It is expected that a remote evaluation using online mapping tools will be sufficient for the vast majority of pre-inspections. The data collected through the pre-inspection process will be combined with the system specifications submitted by the program applicant to produce the proper inputs for the

modeling software, PV Watts v1, used to evaluate whether the proposed system meets minimum design threshold requirements.

5.b. Post-Installation Inspections

The second stage of measurement and verification will consist of post-installation inspections of approximately 50% of projects installed in the first year. Most projects will be randomly selected for inspection, but for large projects and projects installed by new service providers, the probability of inspection may be increased at the program manager's discretion. For the selected projects, the program inspector will perform a thorough inspection of the installed system within two weeks of installation. This post-installation inspection will serve to verify that the system has been installed as proposed in the application and that it conforms to the program guidelines and best practices as described in the program guidebook. The inspector will also conduct a real-time system performance test to check that the system performs at an acceptable level compared to its rated output. Finally, the inspector will verify that the solar meter is connected and functioning and record the meter reading at the time of inspection.

5.c. Persistence Inspections

The final stage of measurement and verification will be follow-up inspections of installed systems that have been in operation for at least one year. In each of years 2 through 5 of the program, at least 5% of the systems installed in all previous years will be inspected, as shown in the table below. All systems will be eligible for follow-up inspections, regardless of previous inspections. Real-time performance tests and solar meter readings will be performed to quantify system degradation and establish long-term energy production levels. The data gathered during these inspections will be used to tailor model inputs used in estimating demand and energy savings to reflect as accurately as possible the performance of systems installed under the program.

Inspection Sampling Rates	
M&V Activity	Inspection Sampling Rates, Program Year 2009
Pre-Inspection	100%
Post-Installation Inspection	50%
Persistence Inspection	0%

5.d. Inspection Failures

Applicants with projects that are found to be unlikely to produce acceptable levels of solar energy conversion through the pre-inspection process will be notified of the issues regarding their project design and will be allowed to re-submit an application. The second application will be treated as a new application and no special treatment (i.e., holding their position in the order of applicants) will be given.

Applicants with projects that fail the post-installation inspections will have 1 month to correct the problems with the system and either submit evidence of correction or schedule a second inspection, at the Program Manager's discretion. Service providers that fail to correct deficiencies in a timely manner may be removed from the program and/or be denied an incentive.

5.e. Service Provider Disqualification

All service providers are required to maintain proper licensure, certificates, insurance, and other eligibility requirements as listed in the Service Provider Partnership Agreement. The Program Manager will also determine and maintain metrics of service provider performance which may be used to disqualify service providers from participation in the Oncor Solar PV Program. Service provider performance metrics include, but are not limited to:

- High rates of customer complaints handled by Program Management staff;
- Low rates of passing program inspections;
- Low rates of completing pre-approved projects within the incentive reservation period;
- Failure of the Service Provider to maintain attendance at technical training sessions and periodic program update conference calls and webinars.

5.f. Dispute Resolution

Unresolved disputes hurt the success of the program. In this respect, the overriding objective of all the participants in the Oncor Solar Incentive Program is to achieve 100% customer satisfaction and to satisfactorily resolve any and all disputes at the lowest level possible.

Disputes, concerns or complaints arising from customers should, in general, be addressed at the lowest level possible. Most of the time, this means the problem should be resolved between the service provider and customer. Issues that cannot be addressed by the service provider and customer and are brought to the attention of the Program Manager may be addressed by the Program Manager. The Program Manager's first level response shall be to document the date and nature of the complaint and the specific details to include contact information; name address phone number and/or email and parties or programs involved. The Program Manager will maintain all contact and status records. This will open the issue; next an appropriate action step must be completed for it to be resolved and closed. The Program Manager shall be responsible to delegate or take action to resolve the issue within 2 weeks.

Disputes, concerns or complaints arising between service providers and the Program Manager shall follow a similar path. The Program Manager's first level response shall be to document the date and nature of the complaint and the specific details to include contact information; name address phone number and/or email and parties or programs involved. The Program Manager will maintain all contact and status records. This will open the issue; next an appropriate action step must be completed for it to be resolved and closed. The Program Manager shall be responsible to delegate or take action to resolve the issue within 2 weeks. Disputes that cannot be resolved or have future action agreed to by all parties during initial contact may be brought to the second level or to the Oncor Energy Efficiency Program Manager.

6. Technical Training/Technical Assistance

The Program Manager intends to provide and support technical training and technical assistance opportunities to service providers, local code officials, and potential customers. In addition, the Program Manager is developing periodic program update conference calls for service providers and periodic customer information sessions for customers. Attendance by service providers at a minimum number of technical training and program update events is mandatory. Details of available training opportunities will be made available as they arise.

7. Additional Considerations

7.a. Interconnection

All Project Pre-Approval Applications must contain an Oncor Interconnection Application. Approval by Oncor of the Interconnection Application is required before the Program Manager may issue a preapproval letter for any project.

7.b. Metering for Distributed Renewable Generation

Oncor is responsible for installing and maintaining metering equipment that tracks energy inflows (energy delivered from the distribution system to the customer) and outflows (energy delivered from the customer to the distribution system) on separate registers, in compliance with rules developed by the Public Utility Commission of Texas.

7.c. Compensation for Energy Delivered to the Distribution System (Outflows)

Oncor may not and does not engage in the purchase or retail sale energy inflows or outflows from any customers, including customers with distributed renewable generation.

A customer's retail electric provider is responsible for retail sales of energy provided to the customer (inflows), and may contract with the customer for the purchase of energy provided to the distribution system by the customer (outflows). Customers should contact their retail electric provider for more information about the availability and terms of compensation for outflows.

More information regarding Oncor's role in metering distributed renewable generation is included in the document INTERCONNECTION OF DISTRIBUTED RENEWABLE GENERATION TO THE ONCOR ELECTRIC DELIVERY SYSTEM, Frequently Asked Questions (FAQ), which is reprinted in the Appendix.

7.d. Renewable Energy Credits

Once operational, owners of distributed renewable generation systems may be eligible to earn, sell, and/or retire renewable energy credits in accordance with applicable laws and rules. At this time, Oncor reserves the right to claim all renewable energy credits or other environmental credits associated with projects receiving Oncor incentives under this program. Prior to that time, customers may register their generating units and create solar renewable energy credits on a monthly basis.

7.e. Tax Considerations

Program participants should consult a tax professional regarding taxation and potential tax benefits of REC payments received, the eligibility of their installation for federal tax credits, treatment of incentive funds provided by Oncor, depreciation and all other tax matters.

Appendices

- 1. Oncor Interconnection Application**
- 2. Oncor's Information on Metering for Distributed Renewable Generation and Compensation for Energy Delivered to the Distribution System (Energy Outflows)**

DRAFT

Appendix 1. Oncor Interconnection Application

**Tariff for Retail Delivery Service
Oncor Electric Delivery Company**

6.3 Agreements and Forms

Applicable: Entire Certified Service Area
Effective Date: January 1, 2002

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Revision: Original

6.3.2 Application for Interconnection and Parallel Operation of Distributed Generation with the Utility System

Return Completed Application to:

Oncor Electric Delivery Company
Attention: Ken Brunkenhoefer
1601 Bryan Street, Rm 24-055E
Dallas, TX 75201

Customer's Name: _____

Address: _____

Contact Person: _____

Telephone Number: _____

Service Point Address: _____

Information Prepared and Submitted By: _____

(Name and Address) _____

Signature _____

The following information shall be supplied by the Customer or Customer's designated representative. All applicable items must be accurately completed in order that the Customer's generating facilities may be effectively evaluated by Company for interconnection with the utility system.

GENERATOR

Number of Units: _____

Manufacturer: _____

Type (Synchronous, Induction, or Inverter): _____

Fuel Source Type (Solar, Natural Gas, Wind, etc.): _____

Kilowatt Rating (95 F at location) _____

Kilovolt-Ampere Rating (95 F at location): _____

Power Factor: _____

Voltage Rating: _____

Ampere Rating: _____

Number of Phases: _____

Frequency: _____

Do you plan to export power: _____ Yes _____ No

If Yes, maximum amount expected: _____

Pre-Certification Label or Type Number: _____

Expected Energizing and Start-up Date: _____

Normal Operation of Interconnection: (examples: provide power to meet base load, demand management, standby, back-up, other (please describe)) _____

One-line diagram attached: _____ Yes

**Tariff for Retail Delivery Service
Oncor Electric Delivery Company**

6.3 Agreements and Forms

Applicable: Entire Certified Service Area
Effective Date: January 1, 2002

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Has the generator Manufacturer supplied its dynamic modeling values to the Host Utility? _____ Yes

[Note: Requires a Yes for complete application. For Pre-Certified Equipment answer is Yes.]

Layout sketch showing lockable, "visible" disconnect device: _____ Yes

[COMPANY NAME]

[CUSTOMER NAME]

BY: _____

BY: _____

TITLE: _____

TITLE: _____

DATE: _____

DATE: _____

Authorized Release of Information List

By signing this Application, Customer authorizes Oncor to release Customer's proprietary information to the following persons:

	Name	Phone Number	E-Mail Address
Owner / Customer			
Project Manager			
Electrical Contractor			
Consultant			

If Customer does not sign this Application, then Customer must authorize Oncor to release Customer's proprietary information to consultant or contractor. For residential Customers, that authorization may be provided in an e-mail communication or in hard copy. For commercial Customers, that authorization must be made on the Customer's business letterhead.

Solar, Wind, Renewable Information

Please indicate if the inverter has a UL-1741 utility interactive listing Yes ___ No ___

Please indicate if you layout sketch shows a "visible lockable labeled disconnect" : Yes ___ No ___

For distributed renewable generation customers with solar fuel sources please indicate the number of panels, wattage and manufacturer _____

Ken Brunkenhoefer
Distributed Resource Specialist
Oncor Electric Delivery
1601 Bryan Street, Rm. 24-055E
Dallas, Texas 75201

Phone 214.486.5547
Fax: 214.812.3440
E-Mail: **brunkenhoefer@oncor.com**



Oncor's Take A Load Off, Texas Solar PV Program

Instructions for Completing Oncor's Interconnection Application for Solar PV Projects

This document provides information and instructions for completing Oncor's "Application for Interconnection and Parallel Operation of Distributed Generation with the Utility System," hereafter referred to as the Interconnection Application.

1. Definitions and Roles

Interconnection Application: A form and accompanying technical information regarding a proposed distributed generation system used by the utility to determine eligibility for interconnection. Oncor's form is titled "Application for Interconnection and Parallel Operation of Distributed Generation with the Utility System" and is attached to this document.

Interconnection Agreement: A contract between the interconnected customer and Oncor which enables interconnection of a distributed generation system and specifies the rights and obligations of each party.

Contractor: A Contractor participating in Oncor's Take a Load Off, Texas Solar PV Program.

Customer: A customer receiving electric delivery service from Oncor and participating in Oncor's Take a Load Off, Texas Solar PV Program.

Oncor's Take a Load Off, Texas Solar PV Program "Solar PV Program": A program offered by Oncor providing customer incentives for the installation of solar PV equipment.

Oncor Distributed Resource Specialist: The person assigned by Oncor to review, accept, and deny Interconnection Applications, and to issue Interconnection Agreements. The current Oncor Distributed Resource Specialist is:

Ken Brunkenhoefer
Oncor Electric Delivery Company
1601 Bryan Street, Rm 24-055E
Dallas, TX 75201
Phone 214.486.5547
Fax: 214.812.3440
brunkenhoefer@oncor.com

Solar PV Program Manager: The point of contact for all matters pertaining to the Solar PV Program. The current Solar PV Program Manager is:

Steve Wiese, Program Manager
Oncor's Take a Load Off, Texas Solar PV Program
Take A Load Off, Texas c/o Clean Energy Associates
1515 S Capital of Texas Highway, Suite 110
Austin, Texas 78746
(512) 653-9651
steve.wiese@cleanenergyassociates.com



Oncor's Take A Load Off, Texas Solar PV Program

Instructions for Completing Oncor's Interconnection Application for Solar PV Projects

2. Coordination between Oncor and the Solar PV Program Manager

Oncor's Interconnection Application is required for all distributed generation projects. In the case of solar PV projects participating in Oncor's Solar PV Program, the Solar PV Program Manager acts as a conduit between the Solar PV Program and Oncor's DG Coordinator. With regard to the Interconnection Application, the process and information flow between the Contractor, Solar PV Program Manager, and Oncor Distributed Resource Specialist is as follows:

1. The Interconnection Application is a required element of the Solar PV Program's project pre-application step. The Contractor fills out the Interconnection Application and submits it to the Solar PV Program Manager.
2. The Solar PV Program Manager checks the Interconnection Application for completeness.
 - a. If it is incomplete, the Solar PV Program Manager informs the Contractor of any missing information, and the Contractor may resubmit the Interconnection Application.
 - b. If complete, the Solar PV Program Manager forwards the Interconnection Application to Oncor's DG Coordinator.
3. Oncor's DG Coordinator reviews the information submitted.
 - a. If any issues are identified, the Oncor Distributed Resource Specialist contacts the Contractor directly to resolve them.
 - b. Once all issues are resolved, the DG coordinator:
 - i. Prepares an Interconnection Agreement and sends it to the Solar PV Program Manager who forwards it to the customer or contractor. A signed version of the Interconnection Agreement must be submitted to the Solar PV Program Manager as part of the final application step (see Step 5, below)
 - ii. Informs the Program Manager that the Interconnection Application has been accepted.
4. After receiving the Oncor Distributed Resource Specialist's acceptance of the Interconnection Application, and after review and acceptance of all other elements of the Contractor's Project Pre-Application submittal, the Solar PV Program Manager issues a Pre-Approval Letter to the Contractor referencing the customer, site location, reserved rebate amount, and reservation expiration date.
5. The Contractor completes construction of the PV system and submits final application paperwork, which includes a signed copy of the Interconnection Agreement.
6. The Solar PV Program Manager receives the final application and forwards the signed Interconnection Agreement to the Oncor Distributed Resource Specialist. Upon determination that all other final application materials are in order, the Solar PV Program Manager completes the rebate process by scheduling an inspection (if the system is selected for inspection) and requesting the rebate check.



Oncor's Take A Load Off, Texas Solar PV Program

Instructions for Completing Oncor's Interconnection Application for Solar PV Projects

3. Filling Out the Interconnection Application

a. Customer Section

The top of the first page is used to gather information about the customer. It can be filled in by the customer or a customer's representative.

b. Generator Section

This section is used to gather information about the generating unit. Most requested data is available on inverter cut-sheets, or on inverter nameplates.

Number of Units: Enter the number of inverters installed.

...

Type: For solar PV projects, this should always be "inverter".

...

Kilowatt Rating: Enter the sum of the continuous power ratings of all the inverters installed.

Kilovolt-Ampere Rating: Enter "NA."

Power Factor: Enter the Power Factor rating from the inverter's cut sheet. Often this is listed as "Unity".

Voltage Rating: Enter the AC voltage output.

Ampere Rating: Enter the sum of the maximum current (amperage) ratings of all the inverters installed.

...

Do you plan to export power? Enter "yes," even if the expected amount of export is small.

If Yes, maximum amount expected: Enter the total kWac of the PV system, assuming no other building loads are present.

Pre-Certification Label or Type Number: Enter "CEC" to indicate that the inverter is listed on the CEC website.

...

Normal Operation of Interconnection: Enter "Parallel"

...

Has the generator Manufacturer supplied its dynamic modeling values to the Host Utility? Enter "NA".

c. One-Line Diagram Requirements

A sample one-line electrical diagram is available. In general, electrical one-line diagrams should contain the following information:

- The customer name, address, electrical account ID, and meter number.



Oncor's Take A Load Off, Texas Solar PV Program

Instructions for Completing Oncor's Interconnection Application for Solar PV Projects

- Identification of a technical contact person (typically the Contractor who prepared the one-line diagram).
- Identification of the following system components:
 - Solar modules (make, model, #);
 - Inverter(s) (make, model, #);
 - Utility accessible, visible, lockable, labeled AC disconnect switch;
 - Main service panel;
 - Utility meter.
- Identification of the distance between the utility meter and the AC disconnect switch.
- Identification of placard language:
 - To be installed on the AC disconnect switch (required);
 - To be installed at or near the utility meter if the AC disconnect switch is not close to (within 10 feet) or clearly visible from that location;
 - Any other placard language, such as that for placards for utility transformers and other more complex, typically commercial, installations.

d. Site Layout Sketch Requirements

A sample site layout sketch is available. In general, site layout sketches should contain the following information:

- The customer name, address, electrical account ID, and meter number.
- Identification of a technical contact person (typically the Contractor who prepared the one-line diagram).
- An overhead view of the property, with a directional indicator.
- The relative locations of the PV modules, inverter, AC disconnect switch, main service panel, utility meter and utility source (if overhead pole).
- The distance between the AC disconnect switch and the utility meter.

e. Company and Customer Signatures

The Company who prepared the Interconnection Application must identify itself; the Customer must sign the Interconnection Application.

f. Authorized Release of Information List

This section enables Oncor's DG Coordinator to share information contained in the Interconnection Application with other entities for the purpose of application review. For example, if a Contractor is working with separate engineering or construction companies who are also involved in the project, it might be helpful to list those contacts here.



Oncor's Take A Load Off, Texas Solar PV Program

Instructions for Completing Oncor's
Interconnection Application for Solar PV Projects

g. Solar, Wind, Renewable Information

Inverter UL-1741 Utility Interactive Rating: Indicate whether your inverter(s) is rated to the UL-1741 utility interactive standard. This is a requirement of interconnection and the Solar PV Program.

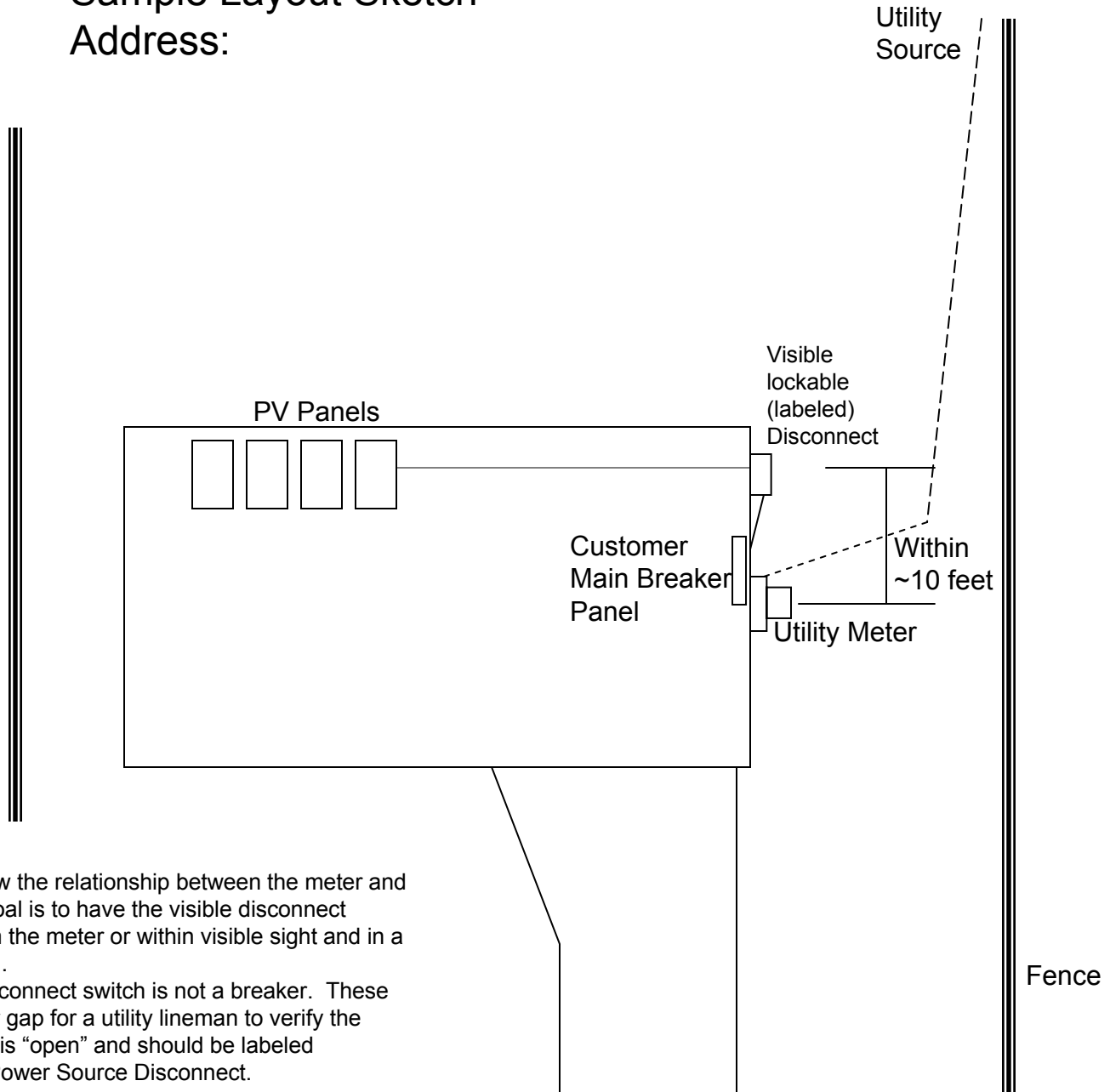
Visible Lockable Labeled AC Disconnect: Indicate whether your layout sketch shows a visible lockable labeled AC disconnect.

PV Modules: List the make, model, and number of PV modules included in your installation.

DRAFT

Sample Layout Sketch

Address:

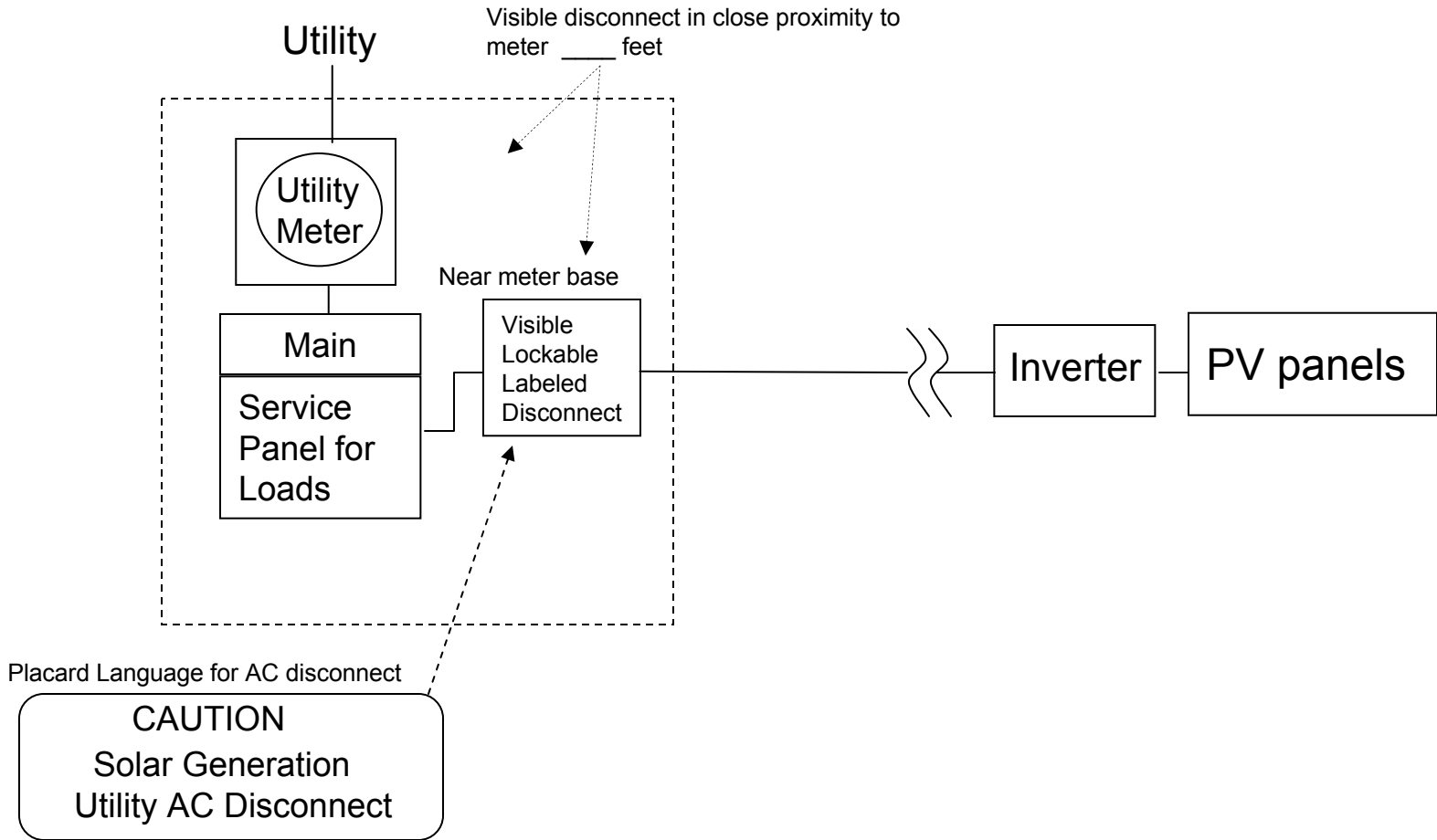


Comments:

- 1) Layout sketch is to show the relationship between the meter and visible disconnect. The goal is to have the visible disconnect located within 10 feet from the meter or within visible sight and in a readily accessible location.
- 2) The visible lockable disconnect switch is not a breaker. These switches have a visible air gap for a utility lineman to verify the alternate source of power is "open" and should be labeled something like Alternate Power Source Disconnect.

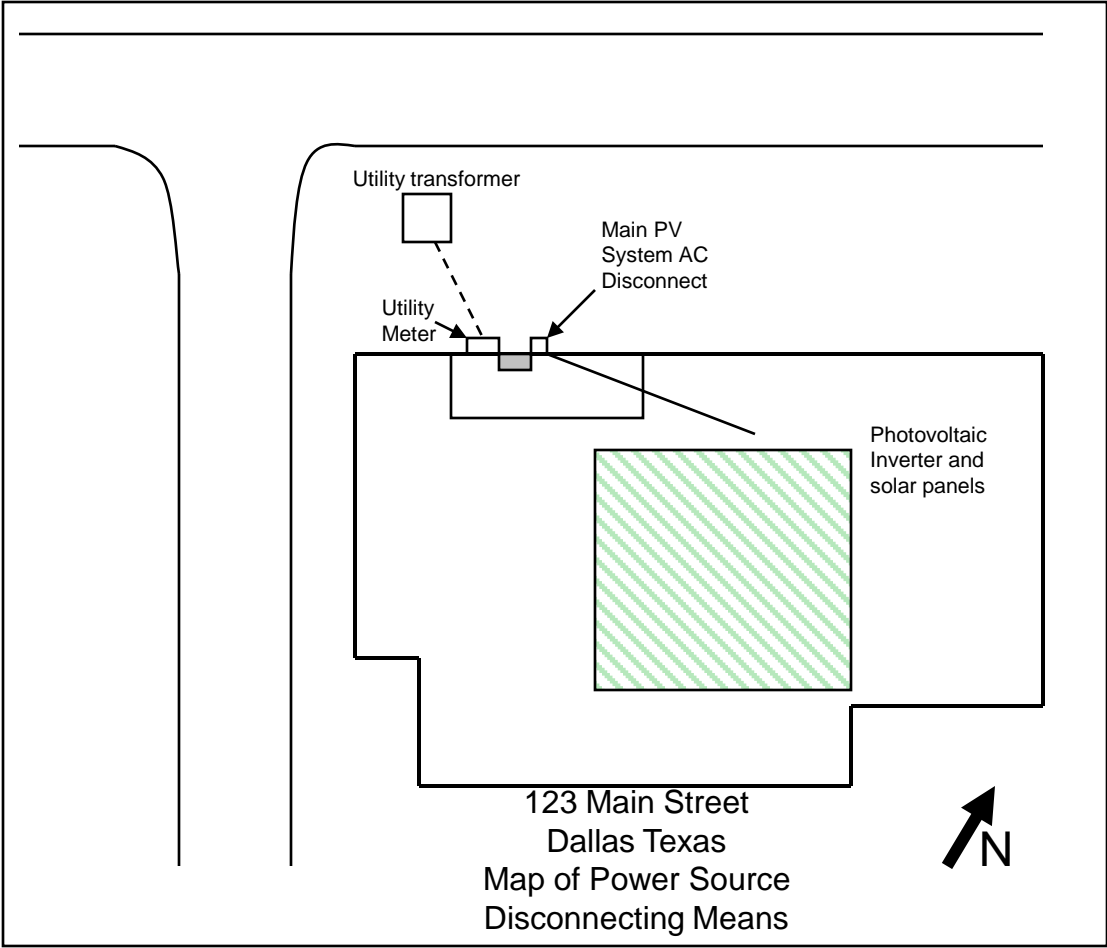
One-Line Electrical Diagram

Name:
Address (City-Zip):
Acct. Id # (If available)
Meter # (If available)



Example Placards For Utility Transformer

Separate Site Map With Caution Placard below for mounting on transformer door



Red background with White lettering

CAUTION
POWER TO THIS SERVICE
IS ALSO SUPPLIED FROM
ON-SITE GENERATION
A MAIN AC DISCONNECT
IS PROVIDED

Placard for Visible Lockable AC Main Disconnect
Location is for disconnect to be near meter and coordinate
with site map if provided

**Photovoltaic Main
AC System Disconnect**

Appendix 2. Oncor's Information on Metering for Distributed Renewable Generation and Compensation for Energy Delivered to the Distribution System (Energy Outflows)

Please Note:

Summary information on Oncor's role in providing metering for distributed renewable generation, and on compensation for energy delivered to the distribution system (energy outflows) is provided in the Program Guidebook.

This Appendix presents additional information drafted by Oncor in early 2008 in response to regulatory changes to the way distributed renewable generation resources are to be metered and potentially compensated in the Texas competitive market.

The information in this Appendix is time sensitive because of changing rules and regulations. Some of the information included in this Appendix is out of date. Specifically:

- A4) The answer to question 4 says that the first step in installing solar generation is to file an interconnection application with Oncor. Participants in Oncor's Take a Load Off, Texas Solar PV Program will include the Oncor interconnection application as an addendum to the Project Pre-Application Form submitted to the Solar PV Program Manager.
- A13) The answer to question 13 says Oncor does not provide incentives directly to customers for installing renewable energy systems. This is no longer true, as customer incentives for solar photovoltaic systems are available through Oncor's Take a Load Off, Texas Solar PV Program.
- A15) The answer to question 15 says Oncor may not provide a list of contractors or consultants to develop and install distributed renewable energy systems. Oncor's Take a Load Off, Texas Solar PV Program will maintain a list of participating contractors and will make this list available to customers on the program website.

It is recommended that you periodically request updated information.

INTERCONNECTION OF DISTRIBUTED RENEWABLE GENERATION TO THE ONCOR ELECTRIC DELIVERY SYSTEM

Frequently Asked Questions (FAQ)
(updated 1/29/2008)

The following information is time sensitive because of changing rules and regulations. For that reason, it is recommended that you periodically request updated information.

Q1) What is Oncor's role in distributed generation?

A1) Oncor is a regulated transmission and distribution utility (a TDU or wires company) that delivers energy from generators to loads pursuant to its Tariff for Retail Delivery Service (Tariff) and is prohibited from buying or selling electric energy. This Tariff governs the rates, terms of access and conditions for the provision of Delivery Service to Competitive Retailers (Retail Electric Providers – REPs) and Retail Customers. What this means is that Oncor uses this Tariff to bill your REP for wires-related delivery service charges and then the Retail Electric Provider provides your retail service and electric bills. This Tariff also includes provisions concerning distributed generation interconnection.

Oncor's role in distributed generation is to insure the safe and reliable interconnection of generation resources to its electrical distribution system. This Tariff is available on the Oncor internet site www.oncor.com/pdf/tariffs/Tariff_for_Retail_Delivery_Service.pdf (or follow the links from www.oncor.com by clicking on CR Relations, then Rate Schedules, then Distribution Rate Schedules, then Tariff for Retail Delivery Service). Distributed Generation related information and documents are available for review in Chapter 6 of the Tariff, which contains:

- 6.1.2.4 Distributed Generation, DD24 - Distributed Generation Pre-Interconnection Study Fee Schedule
- 6.3.2 Application for Interconnection and Parallel Operation of Distributed Generation with the Utility System
- 6.3.3 Agreement for Interconnection and Parallel Operation of Distributed Generation

Q2) Is Oncor a Retail Electric Provider? Are they required by law to purchase my excess power?

A2) No, Oncor is not a Retail Electric Provider. Oncor is a transmission and distribution utility (TDU) or electric delivery company and is prohibited from buying and selling electric energy. Retail Electric Providers (REPs) are entities that buy and sell energy to customers in geographic areas of Texas where electricity is a competitive service.

Q3) Who is my Retail Electric Provider?

A3) Your Retail Electric Provider (REP) is the company you have contacted to purchase electric energy. Oncor is not a REP. Your REP is the one who provides your electric energy and the associated monthly electric bills.

Q4) What is the first step in installing my solar or wind generation?

A4) The Public Utility Commission of Texas (PUC) has developed rules for distributed generators, such as generation from renewable resources (wind, photovoltaic/solar, etc.), which require the customer to fill out an Interconnection Application which is to be sent to the interconnecting utility (Oncor in this case). These rules (P.U.C. Substantive Rule § 25.211 and § 25.212) are available on the PUC's web site www.puc.state.tx.us/rules/subrules/electric/index.cfm. The attachments to this e-mail contain the application and a sample of the requested drawings. If your system is inverter based, the application requires you to provide certification listing information proving the device has been tested and meets UL-1741 – Utility Interactive. Please fax, e-mail or send the application and drawings to the address provided in this correspondence. This process does not apply to isolated distributed renewable generation (DRG) serving stand-alone loads not connected to the grid.

Q5) Do I have to notify anyone if I decide to install solar panels or a wind turbine for personal use? Why did my REP give me Oncor's phone number to call concerning interconnecting a renewable generation resource?

A5) Yes. It is Oncor's role to insure the safe and reliable interconnection of generation resources to its electrical distribution system. If the renewable resource installation is to be operated in parallel with Oncor's electrical distribution system (*i.e.*, not as a stand alone system), the PUC rules require the customer to fill out an Interconnection Application and send it to Oncor. After receipt, review, and acceptance of your completed application, Oncor will require a PUC-approved Interconnection Agreement be signed to complete the process. In addition, Oncor will notify your Retail Electric Provider of the parallel interconnection of your distributed generation.

Q6) Can I get net metering? How does Oncor meter DRG installations? Can you tell me how much I will be paid for my excess generation?

A6) There are several ways to define net metering. Ultimately the definition and treatment of metering for DRG (distributed renewable generation) varies from state to state and is dependent on the regulations in that state. In 2007, a new law was passed in Texas. The details of the law are still being worked out, but it appears that it will require Oncor, upon request by the DRG owner, to measure net consumption (in-flow) and net generation (out-flow) separately and report these values to the Electric Reliability Council of Texas (ERCOT) and ultimately to your REP (retail electric provider). Once the exported (out-flow) values are reported to your REP, then you as a customer may arrange for an agreement with your REP that details how you would be paid for your exported energy. Payments or credit for exported generation are arranged between you and your REP; Oncor is not included in those financial arrangements. Oncor is prohibited from buying and selling electric energy and is not involved in the transaction between you and your REP.

Q7) When can I have a meter that measures out-flow separately installed so that I may negotiate with my REP how much I will get paid?

A7) Oncor is currently developing processes and systems to report out-flow meter information in accordance with ERCOT protocols and requirements; however it is not anticipated that Oncor will have systems in place before the required implementation date of January 1, 2009. If the systems are in place prior to January, 1 2009, Oncor will notify you of the availability of the new out-flow metering.

Q8) How much will generation (out-flow) metering cost?

A8) The metering cost will depend on the requirements for your installation. The new law indicates that distributed renewable generation (DRG) customers are responsible for the cost difference between the current metering and any additional metering required to accurately measure and report in-flow and outflow. Oncor will bill your REP for the metering costs pursuant to its Tariff. It will be your REP's decision on how to bill you for any additional metering costs. Your electric bill will come from your REP and not Oncor.

Q9) Can you just tell me how much I will be paid for my excess energy?

A9) No. Please refer to the answer to Question 6 above. It is up to you to negotiate payment or credit for exported energy with your REP.

Q10) Do I have to wait to install a distributed renewable generation (DRG) system? What happens to the electricity I generate? Do I have to have an out-flow meter?

A10) No, you do not have to wait to install your DRG system. When you generate electricity at the same time you are using electricity, your generation and consumption will "net out" before it registers on the electric meter. The effect of this netting means you avoid using retail-valued energy coming from the distribution system into your facility. If you do not generate as much electricity as you are using, this will be measured as consumption (in-flow) on the electric meter at your facility. Conversely, if you generate more electricity than you use then you will be exporting energy (out-flow) to the grid. The new law passed in Texas indicates you may request metering services from Oncor for measurement of out-flow generation. Upon request, Oncor will separately measure your out-flow generation and report it to your REP. If a customer's goal is to simply reduce consumption from the grid (in-flow) and not get involved with a generation (out-flow) agreement with their REP, then standard metering which simply ignores outflow generation can be utilized. In this case, the meter would not spin backwards but only register consumption (in-flow) when consumption exceeded generation. Customers not electing to request outflow metering initially, can request metering changes at a later date. DRG systems installed during the interim period when out-flow metering is not available will be converted upon request by the DRG owner when out-flow metering is available. In any case, out-flow metering systems are required to be in place by January 1, 2009.

Q11) Does this mean that distributed renewable generation (DRG) systems are less valuable than they used to be?

A11) Not necessarily, but it does mean that they will be valued differently. Remember, any simultaneous production and consumption results in avoidance of the cost of electric energy your facility would have consumed if not for the DRG. The final rules for DRG will also allow you and your REP to accurately measure and value the generation out-flow from your DRG, if you produce more than you use.

Q12) Where can I find more information about these new laws?

A12) Information about these new laws can be found in the Texas Utility Code § 39.916 at the following website: www.puc.state.tx.us/rules/statutes/Pura07.pdf. Additional information can be found in the Public Utility Commission of Texas rulemaking in P.U.C. Project No. 34890 at <http://interchange.puc.state.tx.us/WebApp/Interchange/application/dbapps/filings/pgSearch.asp> (enter 34890 in the Control Number field).

Q13) Does Oncor provide direct customer incentives for installing renewable energy installations?

A13) No. Oncor does not provide incentives directly to customers for installing renewable systems at this time. Incentives may be available through various programs offered through Service Providers participating in the Large Commercial and Industrial Standard Offer Program or the Residential and Small Commercial Standard Offer Program (Energy Efficiency Programs). For a list of participating Service Providers visit www.oncor.com and click on Energy Efficiency Programs. You may also check with your Retail Electric Provider for information about possible incentives. A list of REP's can be found at www.powertochoose.org.

Q14) Is Oncor associated with TXU Energy, TXU Corp., TXU Electric, or TXU Electric Delivery?

A14) Oncor and TXU Energy are not the same companies. Oncor is regulated by the Public Utility Commission of Texas and provides quality regulated services to all Retail Electric Providers (REPs) and their retail customers. Oncor Electric Delivery Company LLC (Oncor) is a separate and distinct business unit, with a separate board of directors, management team, and headquarters. Oncor is legally an affiliate of TXU Energy, a REP, as both are owned by Energy Future Holdings Corp. TXU Corp., TXU Electric and TXU Electric Delivery are names that are no longer in use by any company.

Q15) Can you provide me assistance in finding qualified contractors or consultants to develop and install my system?

A15) No. Due to regulatory compliance issues, Oncor is not allowed to provide this type of information.