

**INTERCONNECTION AND PURCHASE AGREEMENT  
FOR  
NET ENERGY METERING**

**AGREEMENT BETWEEN ALAMEDA POWER & TELECOM AND ELIGIBLE  
CUSTOMER-GENERATORS WITH SOLAR OR WIND TURBINE GENERATING  
FACILITIES**

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**INTERCONNECTION AGREEMENT  
FOR  
NET ENERGY METERING**

THIS AGREEMENT (“Agreement”), entered into this \_\_\_\_ day of \_\_\_\_\_ 200\_\_, by and between ALAMEDA POWER & TELECOM (hereinafter referred to as “Alameda P&T”), a municipal corporation, acting by and through its PUBLIC UTILITIES BOARD, and \_\_\_\_\_, a ( \_\_\_\_\_ corporation, partnership, sole proprietor, individual) whose address is \_\_\_\_\_, (hereinafter called the “Customer” or “Customer-Generator”), referred to collectively as “Parties” and individually as “Party,” is made with reference to the following:

**RECITALS:**

A. Alameda P&T is a department of the City of Alameda, a municipal corporation duly organized and validly existing under the laws of the State of California with the power to carry on its business as it is now being conducted under the statutes of the State of California and the Charter of the City.

B. Alameda P&T and the Customer desire to enter into an agreement to permit the Customer to install and operate, at the Customer’s expense, a solar or wind turbine electrical generating facility, or a hybrid system of both, to be operated in parallel with Alameda P&T’s distribution system for the purpose of offsetting all or part of its electrical requirements.

NOW, THEREFORE, it is mutually agreed by and between the undersigned parties as follows:

**1. DEFINITIONS**

- 1.1. “Eligible customer-generator” means a residential, commercial, or municipal customer who uses a solar or a wind turbine electrical generating facility, or a hybrid system of both, with a capacity of not more than one megawatt that is located on the Customer’s owned, leased, or rented premises, is interconnected and operates in parallel with the electric grid, and is intended to primarily offset part or all of the Customer’s own electrical requirements.
- 1.2. “Net energy metering” means measuring the difference between the electricity supplied through the electric grid and the electricity generated by an eligible customer-generator and fed back into the electric grid over a billing period.
- 1.3. “Billing Period” means the customary monthly billing period.

**2. APPLICABILITY**

This Agreement is applied in conjunction with service under Rate Schedules D-1, D-2, A-1, A-2, A-3, MU-1, and Rider NEM. The applicability, rates, and special conditions provisions contained in these rate schedules are included in this Agreement by reference.

**3. GENERATING FACILITY SPECIFICATIONS**

3.1. Make, Model, Type, Description, and Serial Number of Customer-Installed Generating Facility:

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3.2. Location Where Customer-Installed Generating Facility is to be Installed:

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3.3. Anticipated Date On Which the Generating Facility Will Be Operational:

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**4. BILLING AND PAYMENT**

4.1. The eligible residential, commercial, or municipal customer-generator shall, at the end of each billing period following the date of final interconnection of the eligible customer-generator's system, be charged or credited for net energy used or generated during that period.

4.2. At the end of each billing period, where the electricity supplied during the period by Alameda P&T exceeds the electricity generated by the customer-generator during that same period, the customer-generator is a net electricity consumer and Alameda P&T shall be owed compensation for the net kilowatt-hour consumption over that same period. The customer-generator will be billed for the net energy supplied at the applicable rate as stated in Rider NEM, Net Energy Metering.

4.3. At the end of each billing period, where the electricity generated by the customer-generator during the period exceeds the electricity supplied by Alameda P&T during that same period, the customer-generator is a net electricity producer and Alameda P&T shall credit the customer-generator for the net kilowatt-hour production over that same period. Payment for net electricity production will be subject to the policies, rates, and limits as stated in Rider NEM, Net Energy Metering.

**5. INTERCONNECTION**

- 5.1. The Customer will be fully responsible for furnishing, installing, operating, and maintaining in good order and repair, without cost to Alameda P&T, equipment, and any control, protective and safety devices as Alameda P&T requires or may require in the future for parallel operation with its distribution system.
- 5.2. The Customer shall install, at its expense, adequate protective devices to protect the equipment from over-current, over- or under-voltage and frequency, switching transients and lightning.
- 5.3. The Customer is responsible, at its expense, for obtaining any governmental authorizations and permits required for the construction and operation of the electric generating facility and interconnection facilities. Customer shall reimburse Alameda P&T for any and all loss, liability, damage, claim, cost, charge, demand, expense, or penalty it incurs as a result of Customer's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of its generating facility.
- 5.4. The Customer shall submit to Alameda P&T, for review and written approval, equipment specifications and detailed plans for the installation of the generating facility prior to the installation of any equipment or connection to Alameda P&T's distribution system. Alameda P&T's review and acceptance of the Customer's proposed equipment specifications and detailed plans does not confirm or endorse the Customer's design or the equipment's safety, durability, or reliability. Alameda P&T is not responsible for strength, details of design adequacy, performance or capacity of equipment, nor is Alameda P&T's acceptance an endorsement of any equipment.
- 5.5. Customer shall not commence parallel operation of the generating facility until Alameda P&T has given written approval of the interconnection facilities. Such approval shall not be unreasonably withheld. Alameda P&T shall have reasonable notice of any testing and shall have the right to have representatives present at the initial and any subsequent testing of a Customer's generating facility and associated equipment. Approval for operation is subject to successfully meeting requirements of the City of Alameda and Alameda P&T inspections.
- 5.6. All additions, reinforcements, increases in capacity, and extensions of Alameda P&T equipment needed to make connection to the customer-installed generating facility will be constructed at the Customer's expense and be inspected and prior approved by Alameda P&T. Such additions, increases in capacity, and extensions of Alameda P&T equipment shall remain the property of Alameda P&T.
- 5.7. The Customer shall coordinate with Alameda P&T regarding proposed generator voltage and number of phases. The Customer may be required to conform to the system voltage and number of phases available in the immediate area.
- 5.8. Alameda P&T will allow interconnection between its facilities and the Customer's facilities on a continuing basis as long as the parallel operation of the

Customer's generating facility does not degrade in any way the quality of electric service provided to Alameda P&T's other customers. The Customer shall insure that its operation of the generating facility in no way creates unsafe conditions at either its facility or on Alameda P&T's distribution system.

- 5.9. Alameda P&T may perform periodic inspections or reviews of the generating facility without notice to the Customer.

## **6. METERING**

- 6.1. Net energy metering shall be accomplished using a single meter capable of registering the flow of electricity in two directions. If the existing electrical meter of an eligible customer-generator is not capable of measuring the flow of electricity in two directions, the customer-generator shall be responsible for all expenses involved in purchasing and installing a meter that is able to measure electricity flow in two directions.
- 6.2. An additional meter to monitor the output of the generator will be installed at Alameda P&T's expense. Customer-generator shall submit to Alameda P&T a detailed cost breakdown for labor and material to install the self-contained meter socket as part of the Permit Application Process. Alameda P&T will require the customer-generator to install the meter socket and will reimburse all reasonably incurred actual costs up to an amount not to exceed \$200.

## **7. ACCESS TO PREMISES**

Alameda P&T shall have immediate and unhindered access, without notice, to and from Alameda P&T's equipment for any purpose reasonably connected with the furnishing of electric services, including, but not limited to, inspection, reading, testing, maintenance, removal and replacement of Alameda P&T meters and equipment, or for the purposes of observing testing of the Customer's generating facility and associated equipment.

## **8. OPERATING STANDARDS AND REQUIREMENTS**

- 8.1. The Customer will coordinate in advance all distribution system paralleling, separation, shutdowns, equipment clearances, and other operations or activities that affect the interconnection with Alameda P&T's distribution system, with Alameda P&T. For planned outages, the Customer will give Alameda P&T 48-hour notice of such activities. Planned outages include, but are not limited to, routine maintenance, repairs, equipment or facility changes or upgrades, testing, and demonstrations. For unplanned outages, the Customer will provide notice as soon as practicable, but within 24 hours of the event. Reasons for unplanned outages include, but are not limited to, emergencies; fire; flood; earthquake; mechanical failure; accidents; unsafe operating conditions; inadvertent tripping of fuses, breaker switches or other protective devices; power quality problems; system checking and testing of an unplanned nature; and interruptions in the supply of fuel.

- 8.2. Alameda P&T may disconnect, without notice, the parallel generating facility in order to construct, install, maintain, repair, replace or inspect Alameda P&T facilities; or for emergencies, forced outages, force majeure or for any reason due to operating condition on the distribution system; or if, at Alameda P&T's sole discretion, a hazardous condition exists and such immediate action is necessary to protect persons, equipment or property from harm, damage or interference caused by the Customer's generating facility and associated equipment or facilities. The Customer's generating facility shall remain disconnected until such time as Alameda P&T is satisfied that the condition(s) referenced above have been corrected.
- 8.3. Whenever possible, Alameda P&T shall give Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required.
- 8.4. Alameda P&T is not liable for lost generation for any reason or cause, including, but not limited to, the reasons listed in Section 8.2 above.

## **9. INTERFERENCE WITH QUALITY OF SERVICE**

- 9.1. Alameda P&T can refuse to connect or remain connected to any new or existing equipment that may interfere with the quality of Alameda P&T operation or electric service to its customers.
- 9.2. The Customer will not operate equipment that superimposes upon Alameda P&T's distribution system a voltage, current, or frequency which causes interference with Alameda P&T's provision of electric service to Alameda P&T customers or interference to communication facilities. If the Customer causes electric service interference to others, the Customer must take corrective action at its expense after being given notice and reasonable time to do so by Alameda P&T or after being disconnected by Alameda P&T, in accordance with Section 8.2 above. The Customer shall notice Alameda P&T with any corrective action prior to it being taken. As to any corrective action, the Customer must comply with any other requirements of this Agreement.

## **10. FORCE MAJEURE**

Alameda P&T shall not be subject to any liability or damage for inability to provide service, and the Customer shall not be subject to any liability or damage for such inability to receive service, to the extent that such inability shall be due to causes beyond the control of the party seeking to invoke this provision, including, but not limited to, the following: (a) the operation and effect of any rules, regulations and orders promulgated by any Commission, municipality, or governmental agency of the United States, or subdivisions thereof; (b) restraining order, injunction, or similar decree of any court; (c) war; (d) flood; (e) earthquake; (f) act of God; (g) sabotage; or (h) strikes or boycotts. The Party claiming Force Majeure under this provision shall make every attempt to remedy the cause thereof as diligently and expeditiously as possible.

## **11. INDEMNITY**

- 11.1. Except for loss, damages, liability, claims, suits, costs and expenses whatsoever, including reasonable attorneys' fees, caused solely by the negligence of Alameda P&T, City of Alameda, its City Council, boards and commissions, officers and employees, the Customer shall indemnify, defend and hold harmless Alameda P&T, City of Alameda, its City Council, boards and commissions, officers and employees from and against any and all loss, damages, liability, claims, suits, costs and expenses whatsoever, including reasonable attorneys' fees, regardless of the merits or outcome of any such claim or suit arising from or in any manner connected to the negligent act or omission of the Customer or Customer's agent regarding the compliance by the Customer or Customer's agent with any provision of this Agreement.
- 11.2. Except for loss, damages, liability, claims, suits, costs and expenses whatsoever, including reasonable attorneys' fees, caused solely by the negligence of Alameda P&T, City of Alameda, its City Council, boards and commissions, officers and employees, the Customer shall indemnify, defend and hold harmless Alameda P&T, City of Alameda, its City Council, boards and commissions, officers and employees from and against any and all loss, damages, liability, claims, suits, costs and expenses whatsoever, including reasonable attorneys' fees, accruing or resulting to any and all persons, firms or corporations furnishing or supplying work, services, materials, equipment or supplies arising from or in any manner connected to the negligent act or omission of the Customer or Customer's agent regarding the compliance by the Customer or Customer's agent with any provision of this Agreement.
- 11.3. The provisions of this Section 11 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.
- 11.4. If the Customer or Customer's agent fails to comply with the insurance provisions in Section 12 of this Agreement, the Customer shall indemnify, defend and hold harmless Alameda P&T, City of Alameda, its City Council, boards and commissions, officers and employees from and against any and all loss, damages, liability, claims, suits, costs and expenses whatsoever, including reasonable attorneys' fees, accruing or resulting from the death or injury to any person or damage to any property, including the personnel and property of Alameda P&T, to the extent that Alameda P&T would have been protected had the Customer complied with all such insurance provisions. The inclusion of this Section 11.4 is not intended to create any expressed or implied right for the Customer or Customer's agent to elect not to provide any such required insurance.

## **12. INSURANCE**

- 12.1. On or before the commencement of the terms of this Agreement, the Customer or Customer's agent shall furnish Alameda P&T with certificates showing the type,

amount, class of operations covered, effective dates and dates of expiration of insurance coverage in compliance with Section 12.2. Such certificates, which do not limit the indemnification of the Customer or Customer's agent, shall also contain substantially the following statement: "Should any of the above insurance covered by this certificate be amended, altered, modified, canceled or coverage reduced before the expiration date thereof, the insurer affording coverage shall provide thirty (30) days' advance written notice to Alameda P&T, City of Alameda by certified mail, "Attention: Risk Manager."

12.2. The Customer or Customer's agent shall maintain in force at all times during the performance of this Agreement all appropriate coverage of insurance required by this Agreement with an insurance company that is acceptable to Alameda P&T and licensed to do insurance business in the State of California.

**13. BINDING AGREEMENT**

This Agreement shall be binding on any assignee, successor or agent of the Customer.

**14. NOTICES**

14.1. All notices, demands, requests or approvals to be given under this Agreement shall be given in writing and conclusively shall be deemed served when delivered personally or on the second business day after the deposit thereof in the United States Mail, postage prepaid, registered or certified, addressed as hereinafter provided.

14.2. All notices, demands, requests, or approvals from the Customer to Alameda P&T shall be addressed to Alameda P&T at:

Alameda Power & Telecom  
2000 Grand Street  
P.O. Box H  
Alameda CA 94501  
Attention: General Manager

14.3. All notices, demands, requests, or approvals from Alameda P&T to Contractor shall be addressed to the Customer at:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**15. TERM OF AGREEMENT**

This Agreement shall be in effect when signed by the Customer and Alameda P&T and shall remain in effect thereafter month-to-month unless terminated by either Party in accordance with the provisions of Section 16 below.

## **16. TERMINATION**

- 16.1. Either Party may terminate this agreement for any reason after giving thirty (30) days' written notice in accordance with Section 14 above.
- 16.2. Alameda P&T may terminate this Agreement after giving ten (10) days' written notice in accordance with Section 14 above if the Customer fails or refuses to comply with any of the provisions hereof at the time and in the manner required hereunder, or those contained in the applicable rate schedule; or fails or refuses to comply with federal, state, or local codes, regulations, or rules, including, but not limited to, Alameda P&T's Rules and Regulations; or fails or refuses to correct an unsafe or disruptive condition after having been given proper written notice in accordance to Section 14 above, specifying the nature of condition(s) and the steps necessary to correct such condition(s), and after having been given reasonable time to correct the condition(s) referenced above by Alameda P&T.
- 16.3. In the event that Alameda P&T terminates this Agreement in accordance with the provisions of Section 16.2 above, the Customer will cease operating the parallel generating facility and will revert back to taking full-requirements electric service from Alameda P&T under the applicable General Service Rate Schedule.
- 16.4. Upon termination of this Agreement, each Party shall pay to the other Party that portion of compensation or reimbursement specified in this Agreement that is due and unpaid prior to the effective date of termination.

## **17. COMPLIANCES**

The Customer shall comply with all laws, state or federal and all ordinances, rules and regulations enacted or issued by the City of Alameda or Alameda P&T that pertain to the execution of this agreement and the operation and interconnection of the generating facility.

## **18. CONFLICT OF LAW**

This Agreement shall be interpreted under, and enforced by the laws of the State of California excepting any choice of law rules that may direct the application of laws of another jurisdiction. The Agreement and obligations of the parties are subject to all valid laws, orders, rules, and regulations of the authorities having jurisdiction over this Agreement (or the successors of those authorities). Any suits brought pursuant to this Agreement shall be filed with the courts of the County of Alameda, State of California.

## **19. WAIVER**

A waiver by Alameda P&T of any breach of any term, covenant, or condition contained herein, shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained herein, whether of the same or a different character.

**20. INTEGRATED CONTRACT**

This Agreement represents the full and complete understanding of every kind or nature whatsoever between the Parties hereto, and all preliminary negotiations and agreements of whatsoever kind or nature are merged herein. No verbal agreement or implied covenant shall be held to vary the provisions hereof. Any modification of this Agreement will be effective only by written execution signed by both Alameda P&T and the Customer.

**21. INSERTED PROVISIONS**

Each provision and clause required by law to be inserted into the Agreement shall be deemed to be enacted herein, and the Agreement shall be read and enforced as though each were included herein. If through mistake or otherwise, any such provision is not inserted or is not correctly inserted, the Agreement shall be amended to make such insertion on application by either Party.

**22. CAPTIONS**

The captions in this Agreement are for convenience only, are not a part of the Agreement and in no way affect, limit or amplify the terms or provisions of this Agreement.

**23. SIGNATURES**

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives on the day and year first above written.

\_\_\_\_\_  
(Company Name)

Alameda Power & Telecom, a  
Department of the City of Alameda

\_\_\_\_\_  
(Type of company)

A Municipal Corporation

By \_\_\_\_\_  
(Signature)

By \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Please print or type)

\_\_\_\_\_  
(Please print or type)

Title \_\_\_\_\_

Title \_\_\_\_\_

APPROVED AS TO FORM:  
City Attorney

By \_\_\_\_\_

Title \_\_\_\_\_