CITY OF BANDON
ATTACHMENT A

INTERCONNECTION & NET METERING APPLICATION

Customer-Owned, Grid Connected, Electric Generating System

(25 kW or Smaller)

Please review this application with your contractor / agent to be sure your plan will meet all of the general criteria contained in Attachment A "Interconnection & Net Metering Application" and Attachment B "Interconnection Standards".

To initiate an engineering review and impact assessment, the Applicant shall complete sections A, B and C of this Interconnection & Net Metering Application, submit the information required herein and Attachment B (contains minimum design requirements and information that is required), obtain approval that the installation meets local zoning requirements, and pay a deposit of $2,500 for Brown & Kysar Inc. to do an electrical schematic review and Reese Electric to do a final inspection. Any unaccounted for money from the deposit will be refunded. Any additional costs associated with the customer's electric generating system will be billed to the customer. A net meter will be installed after final inspection and payment in full for any associated costs. The Utility may request additional information that is necessary to complete the review of the application.

Planning Department Contacts:

Inside City Limits City of Bandon	 541-347-2437 Ext. 231
Outside city limits Coos County	 541-396-7770
Curry County	541-247-3379

After the applicable zoning compliance has been approved and the City has approved the Interconnection Agreement; the applicant is required to apply for applicable permits from the City, County, or State Building Codes Division (contact: 541-266-1098).

The application review process is shown in Figure 1. If the application meets the criteria for the Fast Track Screening Process, the Utility will proceed with the Fast Track review as shown in Figure 2.

If the application does not meet the criteria of the Fast Track Screening Process or any of the answers to the Fast Track screening questions are "NO", then the Applicant will be notified that an in-depth study is required. If an in-depth study is required, the Utility will advise the Applicant of what issues require an in-depth review. If the Applicant does not want to proceed with the in-depth review, then the application is deemed withdrawn and any unaccounted for money from the original application deposit will be refunded.

A. Applicant Information

Name:

Mailing Address: _____

City: _____ State: _____ Zip: _____

Street Address (if different from above): _____

Daytime Phone: _____ Fax: _____ Email: _____

Electric Utility Name: _____ Electric Account No: _____

B. Electric System Information

Type of System: ❑ Solar PV Array ❑ Fuel Cell ❑ Wind ❑ Hydroelectric

Location: Attach Site Plan with location of proposed system

Solar □ Rooftop □ Pole Mount or □ Ground Mount - Show Location on Site Plan

Other □ Indoor □ Outdoor- Show Location on Site Plan

System Description:

Manufacturer: _____ Type/Style/Model: _____

Nameplate Data:

Voltage/Frequency _____ Maximum kW Output Rating: _____kW

Synchronous Inverter / Synchronous Generator / Induction Generator (Circle one)

Manufacturer & Model #: _____

Nameplate Data:

Voltage/Frequency: _____ Maximum Power Rating: _____kW (AC/DC)

Operating Power Factor: _____

Inverter / Generator Operation:

□ Isolated from Utility (with a break-before-make transfer switch)

□ Paralleled with Utility (Requires import/export meter, provided by Utility and Interconnection Agreement for periodic operational testing)

□ Inverter UL 1741 Certified & IEEE 1547 Compliant

Panel:

Manufacturer and Model: _____

Panel Size: _____ Panel Peak Wattage Output: _____

Number of Panels: _____ Total Peak Wattage Output: _____

AC Disconnect: Provide A Separate Manual Disconnect - Show Location on Site Plan

C. System Designer & Installation Contractor Information (if applicable)

Design Consultant: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Daytime Phone: _____ Fax: _____ Email: _____

Installation Contractor:

Contractor's License No: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Daytime Phone: _____ Fax: _____ Email: _____

Proposed Installation Date: _____

Submit / Attach additional information as specified herein and in Attachment B.

D. Hardware Installation Compliance

- The electrical system referenced above shall meet the Bandon Electric Department "Interconnection Standards for Customer-Owned, Grid Connected Electric Generating Systems".
- Customer shall be solely responsible for obtaining and complying with any and all necessary easements, licenses and permits, or exemptions, as may be required by any federal, state, local statutes, regulations, ordinances or other legal mandates.
- The Customer shall submit documentation to Bandon Electric Department that the system has been inspected and approved by the local permitting agency regarding electrical code requirements.
- Customer shall not commence parallel operation of the generating system until inspection and written approval of the interconnection has been given by Bandon Electric Department.
- This Application Form shall be Appendix A and B to the Bandon Electric Department "Interconnection & Net Metering Agreement".
- For PV Systems, the system hardware is in compliance with Underwriters Laboratories (UL) 1741, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems; UL 1703, Standard for Safety: Flat-Plate Photovoltaic Modules and Panels.
- For PV Systems, the system has been installed in compliance with IEEE Standard 929, Recommended Practice for Utility Interface of Photovoltaic Systems and with applicable requirements of local electrical codes and applicable National Electrical Code® (NEC) Articles (See Attachment B).

Signed (Contractor): _____ Date: _____

Name (Print): _____

Company: _____

E. Owner Acknowledgment

The system has been installed to my satisfaction and I have been given system warranty information, and an operation manual. Also, I have been informed as to whether my PV system is eligible for net metering, and I have been instructed in the operation of the system.

Signed (Owner): _____ Date: _____

F. Electrical Code Inspection and Utility Approval

The system referenced above satisfies applicable electrical code requirements.

Inspector Name (Print): _____

Signed (Inspector): _____ Date: _____

The system referenced above satisfies applicable utility interconnection requirements.

Utility Representative Name (Print): _____

Signed (Utility Representative): _____ Date: _____

REVIEW PROCESS AND OTHER APPLICATION REQUIREMENTS

For Customer-Owned, Grid Connected Electric Generating Systems
(25 kW or less)

Attachment A includes flow charts for the application review process and general criteria for interconnection of Customer-Owned, Grid-Connected Solar, Wind, Fuel Cell or Hydroelectric Electric Generating Facilities of up to 25kW Generating Capacity.

Larger Customer-Owned Generating Facilities, greater than 25kW output capacity, will usually require a System Impact Study and therefore requires a commitment from the Customer to pay for the additional cost of the System Impact Study and any electric distribution system modifications.

Attachment B specifies the requirements and conditions for the design and installation of Customer-Owned, Grid-Connected Solar, Wind, Fuel Cell or Hydroelectric Electric Generating Facilities of up to 25kW generating output capacity.

General Criteria

The generating facility shall be installed in compliance with all applicable requirements of local building and electrical codes, and the *National Electrical Code* and the *National Electric Safety Code*.

The Owner of the generating facility and/or the Owner's agents or representatives shall not make any substantial modifications to the generating facility, including but not limited to alterations to the protective functions, without prior written notification to the City of Bandon of any such modifications.

The customer shall furnish and install on customer's side of the meter, a UL-approved disconnect (safety switch, or approved equal) which shall be capable of fully disconnecting *all* customer energy production and storage sources from its distribution system for the safety of City line workers. The switch must be manually operable with a visible "ON" and "OFF" indication and capable of being locked in the off position. Draw-out or other types of disconnects are not acceptable**.** The disconnect switch shall be located adjacent to the City's meter and shall be of the visible break type in a metal enclosure which can be secured by a padlock. The disconnect switch shall be accessible to City personnel at all times. If the switch cannot be located within 10 feet of the service meter or is not visible from the meter, a permanent placard at the service meter location must be provided that gives clear directions to the disconnect location.

The output of Customer-Owned Electric Generating Facilities shall be interconnected with the existing Customer service voltage, 60 Hz.

Generation systems shall be approved by the City's electric utility on a case by case basis to ensure that the City's electric grid and City employees' safety are not jeopardized.

Supplemental Information to be included with application

Submit 1-line schematic diagram depicting service entrance disconnect, meter, transfer equipment, if applicable, generation equipment and customer distribution panel(s). Submit Manufacturer's literature of major generation equipment and control system. Submit diagram depicting controls and protective equipment.

Submit site plan for proposed Customer-Owned Generator system. Include metering points in relation to the Electric Department electrical system and the Customer's generating system.

Application Review Process

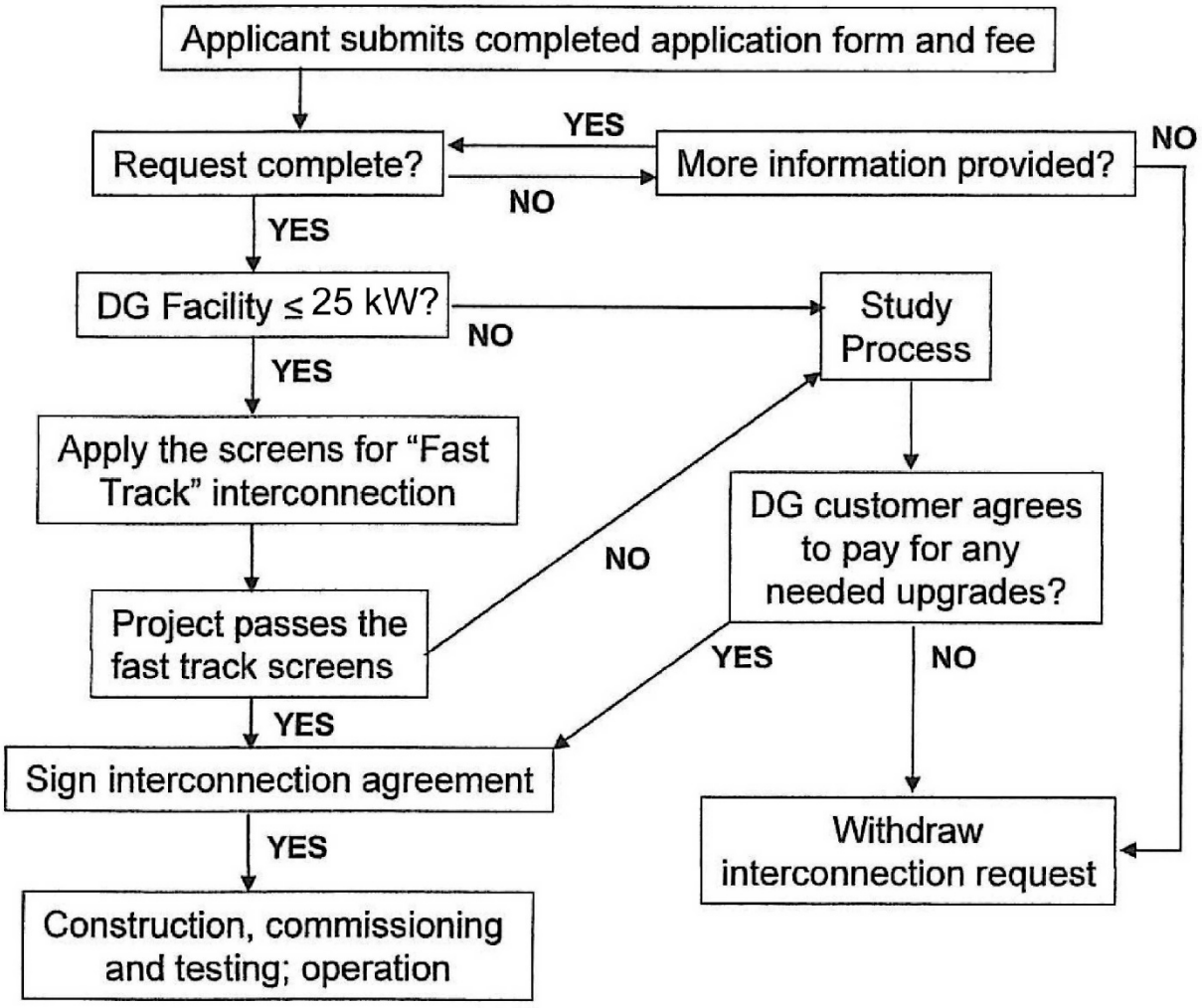

Figure 1. The Application Process

Fast Track Screening Process

The fast track screening process is available for customers with DG projects up to 25 kW (see Figure 2), and if the equipment meets the codes and standards listed in Attachment A and meets the equipment certification requirements of IEEE 1547 2018 and IEEE 1547.1 (2005). Specific screens to be met include:

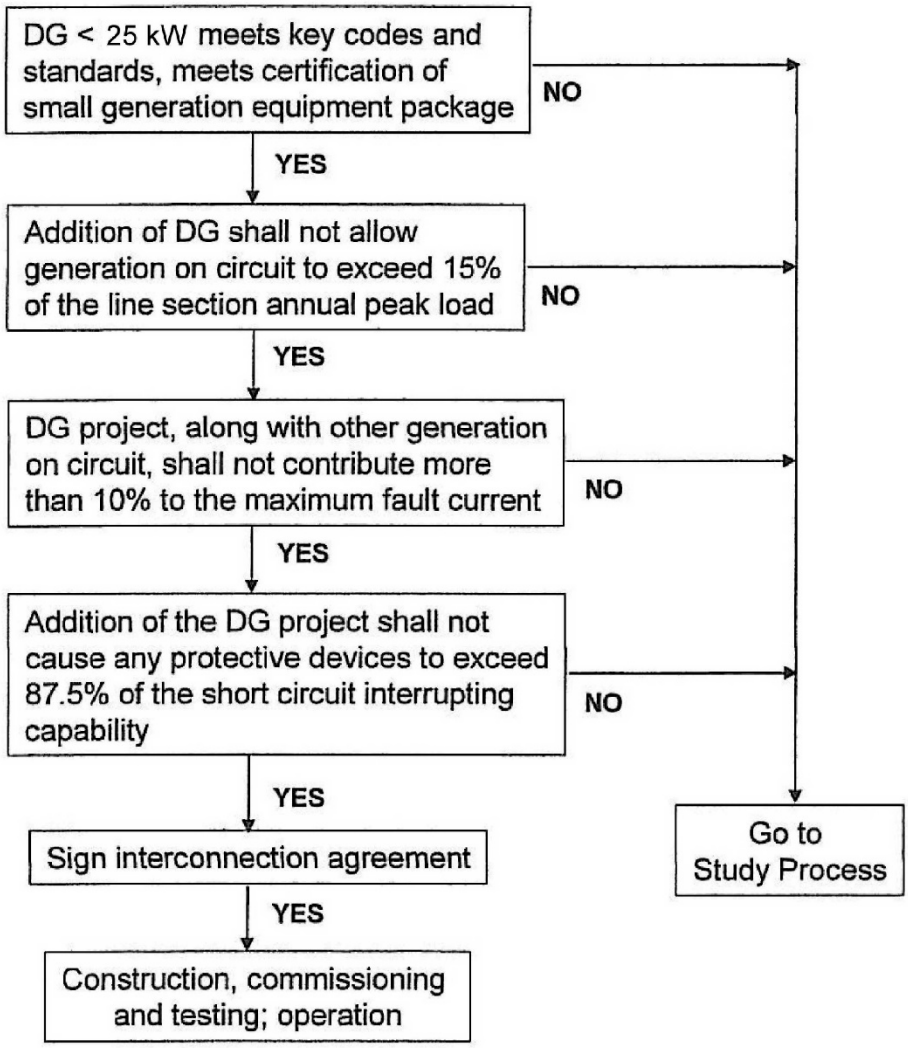

Figure 2. Fast Track Screening Process

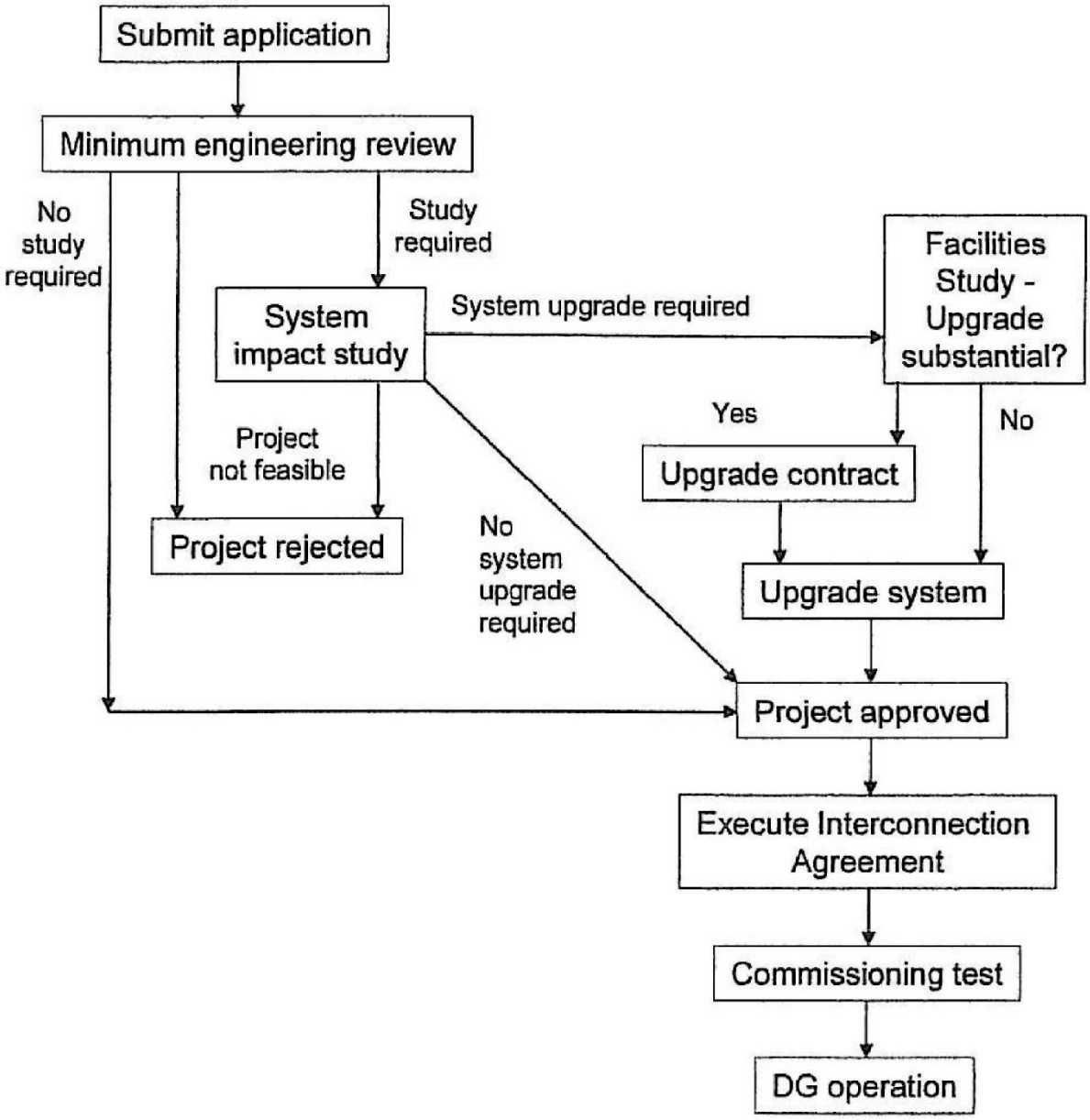

Figure 3. The Study Process

City of Bandon
Electric Power Purchase Agreement
For Renewable Energy Systems 25 kW or Smaller

Owner(s) Name: _____

Mailing Address: _____

Street Address of Owner's Electric Generating Facility (if different than the mailing address):

_____

Daytime Phone: _____ Fax: _____ Email: _____

Electric Account Number: _____

Recitals:

A. The City of Bandon encourages citizens and businesses to invest in renewable electric energy generation systems.

B. Owner produces electricity from an electric generating facility that qualifies for purchase by the City of Bandon under the City's Renewable Resource Purchase Policy.

C. Owner has met the City's design requirements for interconnection and has entered into an interconnection agreement with the City.

City and Owner agree as follows:

1. Any kWhs generated by the owner will be purchased or credited at the same rate paid for power generation under contract with Bonneville Power Administration.

2. The new energy produced by Owner's facility for a billing cycle will be credited at the same rate paid for power generation under contract with Bonneville Power Administration towards the next billing cycle. Such crediting shall occur for each subsequent billing cycle until December of each year. If a credit is still owing at that time, City shall pay to Owner the amount then due.

Owner

_____
Signature

_____
Print Name

_____
Date

City of Bandon

_____
Signature

Dan Chandler
Print Name

City Manager
Title

_____
Date