

# ***Generation Interconnection Feasibility Study Report Queue Position AC1-180***

The Interconnection Customer (IC), has proposed a 6.0 MW MFO (6.0 MWC) methane gas (biomass) fueled generating facility to be located in Princess Anne, Maryland. PJM studied AC1-180 as a 6.0 MW injection into the Delmarva Power and Light Company's (DPL) system at the Kings Creek 25 kV Substation and evaluated it for compliance with reliability criteria for summer peak conditions in 2020. The planned in-service date, as stated during the project kick-off call, is October, 2018. This date may not be attainable due to additional required PJM studies and Transmission Owner construction schedules.

## **Point of Interconnection**

The Interconnection Customer requested a distribution level interconnection. As a result, AC1-180 will interconnect with the Delmarva Power and Light distribution system at the Kings Creek 25 kV Substation via a new express feeder from the T1 transformer.

## **Direct Connection Requirements**

### **Criteria Limits for Distributed Energy Resource (DER) Connections to the ACE, DPL and Pepco Distribution Systems (less than 69kV)**

#### **1. Single Phase Limit**

Any DER with a capacity that exceeds 100kW shall be a balanced 3 phase system.

#### **2. Voltage Limits**

DER's are permitted to cause a voltage fluctuation of up to 2% at the Point of Interconnection, ½ the band width of any voltage regulator at its terminals, and ½ the net dead band of a switched capacitor bank at its connection point. When a DER is at maximum output, it shall not raise the feeder voltage above the ANSI C84.1 or state limit, whichever is more conservative.

#### **3. Existing Distribution Circuit Capacity Limits**

The aggregate limit of large (250 kW and over) generators running in parallel with a single, existing distribution circuit is 0.5 MWs on the 4kV, 3MWs on the 12 kV, 6 MWs on the 25 kV, and 10 MWs on the 34 kV.

#### **4. Express Circuit Capacity Limits**

Distributed generation installations which exceed the limit for an existing circuit require an express circuit.

The maximum generator size for express circuits shall be:

- 4 kV                      0.5 MW
- 12 – 13.8 kV            10 MW
- 23 – 25 kV              10 MW

- 33.26 – 34.5 kV 15 MW

### **5. Distribution Power Transformer Limit**

The aggregate limit of large (250 kW and over) generator injection to a single distribution transformer of 22.5 MVA nameplate or larger is 10 MWs. Transformers with nameplate ratings lower than 22.5 MVA will be given lower ratings on an individual basis. If the transformer rating is significantly greater than 40 MVA it may be possible to consider a greater generation capacity.

Adding a new transformer will be considered if there is no availability on any of the existing transformers and space is available in an existing substation. Any proposed transformers would be PHI's standard distribution transformer.

### **6. Express Circuit Length Limit**

If there is no space for an additional transformer at the closest substation, the next closest substation will be considered. The length of an express circuit is limited to 5 miles, or for the sake of the feasibility study, 3.8 straight line miles to the substation. This simplification is used because the feasibility study phase does not allow for the time and resources to examine routes in detail (including existing pole lines, easements, ROW, and environmental issues etc.)

### **7. When a New Substation is Required**

If a distribution express circuit can't be built from an existing substation for a project, it will be necessary to construct a new distribution substation with a standard ring bus design. It will be supplied by extending existing transmission lines. It is the developer's responsibility to verify eligibility of this configuration for solar renewable energy certificates.

All limits, given above in MWs, are subject to more detailed study to ensure feasibility.

### **Transmission Owner Scope of Work**

TO work required to accommodate 6 MW of generation on an express feeder from Kings Creek Substation T1:

1. Design and construct one new 25 kV feeder with 477 aluminum conductor from Kings Creek Substation to the generation site – approximately 3 miles.
2. One new 25 kV feeder terminal position will be constructed.
3. A utility operated recloser equipped with the proper relaying and communications will be required.
4. Utility grade primary metering will be required.
5. Generation telemetry and remote trip capability will be provided to the control center.
6. A detailed, time-based study may be performed during later study phases.
7. Protection, Planning, and other engineering departments will perform studies, design work, and prepare engineering estimates.
8. Transfer trip will be required. The cost included below is to install 48SM ADSS fiber optic cable in conduit from Kings Creek Substation to the POI, a total distance of approximately 3 miles. 138 kV potential transformers will need to be installed if none already in-service.

| <b>Ball Park Costs</b>                             |   |       |                    |
|--|---|-------|--------------------|
| <b>KingsCreek Substation T1</b>                    |   |       |                    |
| 477 AAC Express Feeder                             | 3 | Miles | \$1,200,000        |
| Fiber Installation                                 |   |       | \$150,000          |
| New Feeder Terminal                                |   |       | \$300,000          |
| Substation Relaying & 138 kV PTs                   |   |       | \$200,000          |
| Recloser & Metering                                |   |       | \$80,000           |
| SCADA Integration into EMS                         |   |       | \$10,000           |
| Dynamic Study                                      |   |       | \$50,000           |
| Various Departments Work                           |   |       | \$90,000           |
| <b>Subtotal Cost</b>                               |   |       | <b>\$2,080,000</b> |
| <b>Approximate Total Cost with 18% Contingency</b> |   |       | <b>\$2,392,000</b> |

The estimated time to complete this work is **36-48 months** after receipt of a fully executed interconnection agreement.

**Interconnection Customer Scope of Work**

The Interconnection Customer (IC) is responsible for all design and construction related to activities on their side of the point of Interconnection. Site preparation, including grading and an access road, as necessary, is assumed to be by the IC. Route selection, line design, and right-of-way acquisition of the direct connect facilities is not included in this report, and is the responsibility of the IC.

Protective relaying and metering design and installation must comply with PHI’s applicable standards. The IC is also required to provide revenue metering and real-time telemetering data to PJM in conformance with the requirements contained in PJM Manuals M-01 and M-14 and the PJM Tariff.

**Equipment Requirements**

Any transformers on the customer's side must be Wye grounded on the utility side or alternatively 3 phase potential transformers and a relay capable of detecting over/under voltage shall be installed to detect an undesirable condition on the high side of the customer's transformer.

**The Synchronous Generator at the DG location:**

The generator may be required to operate in a mode that mitigates high voltage during low load periods. We may require the generator to be operated at a power factor of 0.95 leading or lagging.

**Additional Operating Requirements**

1. The Company (Pepco, ACE, and DPL) will require the capability to remotely disconnect the generator from the grid by communication from its System Operations facility. This will be accomplished with a line recloser.
2. It is the Interconnection Customer's responsibility to send the data that PJM and the Company requires directly to PJM. The Interconnection Customer will grant permission for PJM to send the Company the following telemetry that the Interconnection Customer sends to PJM: real time MW, MVAR, volts, amperes, generator breaker status or inverter status, and interval MWH and MVARH.
3. The Interconnection Customer will be required to make provisions for a voice quality phone line within approximately 3 feet of each Company metering position to facilitate remote interrogation and data collection.
4. A mutually acceptable means of interrupting and disconnecting the generator with a visible break, able to be tagged and locked out, shall be worked out with Company Distribution Engineering.
5. Company reserves the right to charge the Interconnection Customer operation and maintenance expenses to maintain the Interconnection Customer attachment facilities, including metering and telecommunications facilities, owned by Company.
6. Study was performed with the generator on the transformer that it will be served from during normal conditions. Customer will not be allowed to generate when the feeder is served by an alternate transformer.

### **High Voltage Warning**

Voltage received at the meter from the utility can be 104% or 105% of nominal. Normal operating procedures dictate that voltage at the substation be raised to the higher end of an acceptable bandwidth in order to provide adequate supply to distant customers. Transformers with no load taps should be used to reduce the voltage by 2.5%. Failure to account for this may result in lost energy production.

## **Summer Peak Analysis - 2020**

### **Transmission Network Impacts**

Potential transmission network impacts are as follows:

#### **Generator Deliverability**

*(Single or N-1 contingencies for the Capacity portion only of the interconnection)*

None

#### **Multiple Facility Contingency**

*(Double Circuit Tower Line, Fault with a Stuck Breaker, and Bus Fault contingencies for the full energy output)*

None

**Contribution to Previously Identified Overloads**

*(This project contributes to the following contingency overloads, i.e. "Network Impacts", identified for earlier generation or transmission interconnection projects in the PJM Queue)*

1. (DP&L - DP&L) The LORETTO 138/69 kV transformer (from bus 232127 to bus 232275 ckt 1) loads from 108.04% to 109.5% (DC power flow) of its emergency rating (71 MVA) for the line fault with failed breaker contingency outage of 'DP56'. This project contributes approximately 1.04 MW to the thermal violation.

CONTINGENCY 'DP56'/\*LORETTO BUS BREAKER  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232117 CKT 1/\*LORETTO VIENNA  
138 1380  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232128 CKT 1/\*LORETTO PINEY  
GROVE 138 138  
END

Please refer to Appendix 1 for a table containing the generators having contribution to this flowgate.

2. (DP&L - DP&L) The LORET\_69-FRUITLND 69 kV line (from bus 232275 to bus 232288 ckt 1) loads from 112.69% to 114.12% (DC power flow) of its emergency rating (137 MVA) for the line fault with failed breaker contingency outage of 'DP56'. This project contributes approximately 1.96 MW to the thermal violation.

CONTINGENCY 'DP56'/\*LORETTO BUS BREAKER  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232117 CKT 1/\*LORETTO VIENNA  
138 1380  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232128 CKT 1/\*LORETTO PINEY  
GROVE 138 138  
END

Please refer to Appendix 2 for a table containing the generators having contribution to this flowgate.

3. (DP&L - DP&L) The FRUITLND-PEMBERTN 69 kV line (from bus 232288 to bus 232273 ckt 1) loads from 124.16% to 126.31% (DC power flow) of its emergency rating (91 MVA) for the line fault with failed breaker contingency outage of 'DP56'. This project contributes approximately 1.96 MW to the thermal violation.

CONTINGENCY 'DP56'/\*LORETTO BUS BREAKER  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232117 CKT 1/\*LORETTO VIENNA  
138 1380

DISCONNECT BRANCH FROM BUS 232127 TO BUS 232128 CKT 1/\*LORETTO PINEY GROVE 138 138  
END

Please refer to Appendix 3 for a table containing the generators having contribution to this flowgate.

## **Summer Peak Load Flow Analysis Reinforcements**

### **New System Reinforcements**

*(Upgrades required to mitigate reliability criteria violations, i.e. Network Impacts, initially caused by the addition of this project generation)*

None

### **Contribution to Previously Identified System Reinforcements**

*(Overloads initially caused by prior Queue positions with additional contribution to overloading by this project. This project may have a % allocation cost responsibility which will be calculated and reported for the Impact Study)*

1. To mitigate the (DP&L) LORETTO 138/69 kV transformer (from bus 232127 to bus 232275 ckt 1) overload will require replacement of the Loretto AT1 autotransformer, which requires the reconfiguration of the 138 kV and 69 kV buses at Loretto Substation. The estimate to perform this work is **\$4,377,000** and will take approximately **2 years** to complete.
2. To mitigate the (DP&L) LORET\_69-FRUITLND 69 kV line (from bus 232275 to bus 232288 ckt 1) overload will require rebuilding the Loretto – Fruitland 69 kV transmission line and substation reinforcements at Loretto Substation and Fruitland Substation. The estimate to perform this work is **\$7,196,000** and will take approximately **3 years** to complete.
3. To mitigate the (DP&L) FRUITLND-PEMBERTN 69 kV line (from bus 232288 to bus 232273 ckt 1) overload will require completion of PJM Supplemental Project **S0820** which will rebuild the North Salisbury-Pemberton 69 kV circuit and raise the emergency rating of this circuit to 174 MVA.

### **Steady-State Voltage Requirements**

To be determined in later study phases.

### **Short Circuit**

No issues identified.

### **Stability and Reactive Power Requirement**

To be performed in later study phases if required.

**Delivery of Energy Portion of Interconnection Request**

*PJM also studied the delivery of the energy portion of this interconnection request. Any problems identified below are likely to result in operational restrictions to the project under study. The developer can proceed with network upgrades to eliminate the operational restriction at their discretion by submitting a Merchant Transmission Interconnection request.*

*Only the most severely overloaded conditions are listed. There is no guarantee of full delivery of energy for this project by fixing only the conditions listed in this section. With a Transmission Interconnection Request, a subsequent analysis will be performed, which will study all overload conditions associated with the overloaded element(s) identified.*

None

**Light Load Analysis - 2020**

Light Load Studies to be conducted during later study phases (as required by PJM Manual 14B).

**Facilities Study Estimate**

The estimated time for PJM to issue a Facilities Study Report is 7 months. The deposit required for project will be \$50,000.

**Appendices**

The following appendices contain additional information about each flowgate presented in the body of the report. For each appendix, a description of the flowgate and its contingency was included for convenience. However, the intent of the appendix section is to provide more information on which projects/generators have contributions to the flowgate in question. Although this information is not used "as is" for cost allocation purposes, it can be used to gage other generators impact.

It should be noted the generator contributions presented in the appendices sections are full contributions, whereas in the body of the report, those contributions take into consideration the commercial probability of each project.

**Appendix 1**

(DP&L - DP&L) The LORETTO 138/69 kV transformer (from bus 232127 to bus 232275 ckt 1) loads from 108.04% to 109.5% (DC power flow) of its emergency rating (71 MVA) for the line fault with failed breaker contingency outage of 'DP56'. This project contributes approximately 1.04 MW to the thermal violation.

CONTINGENCY 'DP56' /\*LORETTO BUS BREAKER  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232117 CKT 1 /\*LORETTO  
VIENNA 138 1380  
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232128 CKT 1 /\*LORETTO  
PINEY GROVE 138 138  
END

| <i>Bus Number</i> | <i>Bus Name</i> | <i>Full Contribution</i> |
|-------------------|-----------------|--------------------------|
| 232926            | CRISFLD1        | 0.33                     |
| 904212            | V4-022E         | 0.28                     |
| 901004            | W1-003 E        | 0.43                     |
| 901014            | W1-004 E        | 0.43                     |
| 901024            | W1-005 E        | 0.43                     |
| 901034            | W1-006 E        | 0.43                     |
| 907052            | X1-032 E        | 0.58                     |
| 907323            | X1-096 C        | 0.64                     |
| 907324            | X1-096 E        | 16.04                    |
| 920582            | Z1-076 C        | 0.35                     |
| 920583            | Z1-076 E        | 0.57                     |
| 920592            | Z1-077 C        | 0.25                     |
| 920593            | Z1-077 E        | 0.41                     |
| 917082            | Z2-012 E        | 1.14                     |
| 921122            | AA1-059 C       | 0.74                     |
| 921123            | AA1-059 E       | 0.29                     |
| 918831            | AA1-102         | 1.23                     |
| 922213            | AA2-129 E       | 1.83                     |
| 922222            | AA2-130         | 0.35                     |
| 923902            | AB2-030 E       | 0.37                     |
| 923931            | AB2-033 C       | 0.66                     |
| 923932            | AB2-033 E       | 0.26                     |
| 924361            | AB2-084 C       | 0.55                     |
| 924362            | AB2-084 E       | 0.9                      |
| 924681            | AB2-120 C OP    | 3.2                      |
| 924682            | AB2-120 E OP    | 5.22                     |
| 925101            | AB2-167 C       | 0.35                     |
| 925102            | AB2-167 E       | 0.58                     |
| 925381            | AC1-009 C       | 0.7                      |
| 925382            | AC1-009 E       | 1.14                     |
| 925761            | AC1-052 C       | 0.92                     |
| 925762            | AC1-052 E       | 0.37                     |
| 926911            | AC1-177         | 0.69                     |
| 926931            | AC1-180         | 1.04                     |

## **Appendix 2**

(DP&L - DP&L) The LORET\_69-FRUITLND 69 kV line (from bus 232275 to bus 232288 ckt 1) loads from 112.69% to 114.12% (DC power flow) of its emergency rating (137 MVA) for the line fault with failed breaker contingency outage of 'DP56'. This project contributes approximately 1.96 MW to the thermal violation.

CONTINGENCY 'DP56'

/\*LORETTO BUS BREAKER

DISCONNECT BRANCH FROM BUS 232127 TO BUS 232117 CKT 1  
 VIENNA 138 1380  
 DISCONNECT BRANCH FROM BUS 232127 TO BUS 232128 CKT 1  
 PINEY GROVE 138 138  
 END

/\*LORETTO

/\*LORETTO

| <i>Bus Number</i> | <i>Bus Name</i> | <i>Full Contribution</i> |
|-------------------|-----------------|--------------------------|
| 232905            | BAYVIEW1        | 0.41                     |
| 232926            | CRISFLD1        | 0.62                     |
| 232912            | OH NUG1         | 1.47                     |
| 232913            | OH NUG2         | 1.45                     |
| 232914            | OH NUG3         | 1.47                     |
| 232915            | OH NUG4         | 1.47                     |
| 232916            | OH NUG5         | 1.47                     |
| 232917            | OH NUG6         | 1.47                     |
| 232918            | OH NUG7         | 1.46                     |
| 232921            | TASLEY2G        | 1.01                     |
| 904210            | V4-022C         | 0.06                     |
| 904212            | V4-022E         | 0.54                     |
| 901003            | W1-003 C        | 0.11                     |
| 901004            | W1-003 E        | 0.82                     |
| 901013            | W1-004 C        | 0.11                     |
| 901014            | W1-004 E        | 0.82                     |
| 901023            | W1-005 C        | 0.11                     |
| 901024            | W1-005 E        | 0.82                     |
| 901033            | W1-006 C        | < 0.01                   |
| 901034            | W1-006 E        | 0.82                     |
| 907052            | X1-032 E        | 1.1                      |
| 907323            | X1-096 C        | 1.21                     |
| 907324            | X1-096 E        | 30.34                    |
| 920582            | Z1-076 C        | 0.67                     |
| 920583            | Z1-076 E        | 1.09                     |
| 920592            | Z1-077 C        | 0.48                     |
| 920593            | Z1-077 E        | 0.78                     |
| 916441            | Z1-100          | 0.14                     |
| 916451            | Z1-101          | 0.14                     |
| 916461            | Z1-102          | 0.14                     |
| 920602            | Z1-103          | 0.14                     |
| 917081            | Z2-012 C        | 0.25                     |
| 917082            | Z2-012 E        | 2.15                     |
| 920952            | AA1-025         | 0.13                     |
| 920962            | AA1-026         | 0.13                     |
| 920972            | AA1-027         | 0.13                     |
| 920982            | AA1-028         | 0.13                     |
| 921122            | AA1-059 C       | 1.4                      |

|        |              |      |
|--------|--------------|------|
| 921123 | AA1-059 E    | 0.55 |
| 918831 | AA1-102      | 2.32 |
| 921602 | AA1-141 C    | 0.52 |
| 921603 | AA1-141 E    | 0.85 |
| 922213 | AA2-129 E    | 3.46 |
| 922222 | AA2-130      | 0.65 |
| 923902 | AB2-030 E    | 0.69 |
| 923931 | AB2-033 C    | 1.24 |
| 923932 | AB2-033 E    | 0.49 |
| 924361 | AB2-084 C    | 1.04 |
| 924362 | AB2-084 E    | 1.7  |
| 924681 | AB2-120 C OP | 6.05 |
| 924682 | AB2-120 E OP | 9.88 |
| 925101 | AB2-167 C    | 0.66 |
| 925102 | AB2-167 E    | 1.09 |
| 925231 | AB2-177 C    | 0.23 |
| 925232 | AB2-177 E    | 0.38 |
| 925381 | AC1-009 C    | 1.32 |
| 925382 | AC1-009 E    | 2.15 |
| 925651 | AC1-041 C    | 0.12 |
| 925652 | AC1-041 E    | 0.2  |
| 925761 | AC1-052 C    | 1.73 |
| 925762 | AC1-052 E    | 0.69 |
| 926911 | AC1-177      | 1.31 |
| 926931 | AC1-180      | 1.96 |

### **Appendix 3**

(DP&L - DP&L) The FRUITLND-PEMBERTN 69 kV line (from bus 232288 to bus 232273 ckt 1) loads from 124.16% to 126.31% (DC power flow) of its emergency rating (91 MVA) for the line fault with failed breaker contingency outage of 'DP56'. This project contributes approximately 1.96 MW to the thermal violation.

```
CONTINGENCY 'DP56'                               /*LORETTO BUS BREAKER
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232117 CKT 1 /*LORETTO
VIENNA 138 1380
DISCONNECT BRANCH FROM BUS 232127 TO BUS 232128 CKT 1 /*LORETTO
PINEY GROVE 138 138
END
```

| <i>Bus Number</i> | <i>Bus Name</i> | <i>Full Contribution</i> |
|-------------------|-----------------|--------------------------|
| 232905            | BAYVIEW1        | 0.41                     |
| 232926            | CRISFLD1        | 0.62                     |
| 232912            | OH NUG1         | 1.47                     |

|        |                  |        |
|--------|------------------|--------|
| 232913 | <i>OH NUG2</i>   | 1.45   |
| 232914 | <i>OH NUG3</i>   | 1.47   |
| 232915 | <i>OH NUG4</i>   | 1.47   |
| 232916 | <i>OH NUG5</i>   | 1.47   |
| 232917 | <i>OH NUG6</i>   | 1.47   |
| 232918 | <i>OH NUG7</i>   | 1.46   |
| 232921 | <i>TASLEY2G</i>  | 1.01   |
| 904210 | <i>V4-022C</i>   | 0.06   |
| 904212 | <i>V4-022E</i>   | 0.54   |
| 901003 | <i>W1-003 C</i>  | 0.11   |
| 901004 | <i>W1-003 E</i>  | 0.82   |
| 901013 | <i>W1-004 C</i>  | 0.11   |
| 901014 | <i>W1-004 E</i>  | 0.82   |
| 901023 | <i>W1-005 C</i>  | 0.11   |
| 901024 | <i>W1-005 E</i>  | 0.82   |
| 901033 | <i>W1-006 C</i>  | < 0.01 |
| 901034 | <i>W1-006 E</i>  | 0.82   |
| 907052 | <i>X1-032 E</i>  | 1.1    |
| 907323 | <i>X1-096 C</i>  | 1.21   |
| 907324 | <i>X1-096 E</i>  | 30.34  |
| 920582 | <i>Z1-076 C</i>  | 0.67   |
| 920583 | <i>Z1-076 E</i>  | 1.09   |
| 920592 | <i>Z1-077 C</i>  | 0.48   |
| 920593 | <i>Z1-077 E</i>  | 0.78   |
| 916441 | <i>Z1-100</i>    | 0.14   |
| 916451 | <i>Z1-101</i>    | 0.14   |
| 916461 | <i>Z1-102</i>    | 0.14   |
| 920602 | <i>Z1-103</i>    | 0.14   |
| 917081 | <i>Z2-012 C</i>  | 0.25   |
| 917082 | <i>Z2-012 E</i>  | 2.15   |
| 920952 | <i>AA1-025</i>   | 0.13   |
| 920962 | <i>AA1-026</i>   | 0.13   |
| 920972 | <i>AA1-027</i>   | 0.13   |
| 920982 | <i>AA1-028</i>   | 0.13   |
| 921122 | <i>AA1-059 C</i> | 1.4    |
| 921123 | <i>AA1-059 E</i> | 0.55   |
| 918831 | <i>AA1-102</i>   | 2.32   |
| 921602 | <i>AA1-141 C</i> | 0.52   |
| 921603 | <i>AA1-141 E</i> | 0.85   |
| 922213 | <i>AA2-129 E</i> | 3.46   |
| 922222 | <i>AA2-130</i>   | 0.65   |
| 923902 | <i>AB2-030 E</i> | 0.69   |
| 923931 | <i>AB2-033 C</i> | 1.24   |
| 923932 | <i>AB2-033 E</i> | 0.49   |
| 924361 | <i>AB2-084 C</i> | 1.04   |

|               |                     |             |
|---------------|---------------------|-------------|
| <i>924362</i> | <i>AB2-084 E</i>    | <i>1.7</i>  |
| <i>924681</i> | <i>AB2-120 C OP</i> | <i>6.05</i> |
| <i>924682</i> | <i>AB2-120 E OP</i> | <i>9.88</i> |
| <i>925101</i> | <i>AB2-167 C</i>    | <i>0.66</i> |
| <i>925102</i> | <i>AB2-167 E</i>    | <i>1.09</i> |
| <i>925231</i> | <i>AB2-177 C</i>    | <i>0.23</i> |
| <i>925232</i> | <i>AB2-177 E</i>    | <i>0.38</i> |
| <i>925381</i> | <i>AC1-009 C</i>    | <i>1.32</i> |
| <i>925382</i> | <i>AC1-009 E</i>    | <i>2.15</i> |
| <i>925651</i> | <i>AC1-041 C</i>    | <i>0.12</i> |
| <i>925652</i> | <i>AC1-041 E</i>    | <i>0.2</i>  |
| <i>925761</i> | <i>AC1-052 C</i>    | <i>1.73</i> |
| <i>925762</i> | <i>AC1-052 E</i>    | <i>0.69</i> |
| <i>926911</i> | <i>AC1-177</i>      | <i>1.31</i> |
| <i>926931</i> | <i>AC1-180</i>      | <i>1.96</i> |