



Cleco Power LLC

FACILITIES STUDY

TRANSMISSION SERVICE REQUEST

OASIS 71847922

Revision: 2

3	2/17/09	Revise to include transmission upgrades and new data
2	5/16/08	Revisions prior to release
Rev	Issue Date	Description of Revision

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1. Purpose

The purpose of this Facilities Study is to estimate the cost and schedule to construct the facilities identified in the System Impact Study which are necessary to accommodate the request for 162 MW of Firm Yearly Network Integration Transmission Service across Cleco Power's Transmission System. The time period for this transfer is from April 1, 2009 through December 31, 2018.

All terms capitalized herein are defined in the Cleco Power's Open Access Transmission Tariff.

2. Review of System Impact Study Results

Based on the results of the System Impact Study dated March 2008, four limiting elements were identified. They are:

2.1 The Cocodrie 230/138kV Autotransformer

In 2009, the existing 386MVA autotransformer overloads for the loss of the Cocodrie to Ville Platte 230kV line.

2.2 The Coughlin to Plaisance 138kV Line

In 2018, the 18 mile long bundled 477 ACSR 26/7 Hawk conductor overloads for the loss of the Cocodrie to Ville Platte 230kV line.

2.3 The Richard to Habetz 138kV Line

In 2018, the 13 mile long bundled 336 ACSR 26/7 Linnett conductor overloads for the loss of the Wells to Pont Des Mouton 230kV line.

2.4 The Habetz to Flanders 138kV Line

In 2018, the 24 mile long bundled 336 ACSR 26/7 Linnett conductor overloads for the loss of the Wells to Pont Des Mouton 230kV line.

3. Facility Study Results

Due to changes in power flow model inputs, it was determined to perform a more detailed analysis based on updated model inputs. The results of the analysis are described below:

3.1 The Cocodrie 230/138kV Autotransformer

Based on the updated model inputs and a more detailed analysis, this network upgrade is no longer needed to accommodate the Transmission Service request.

3.2 The Coughlin to Plaisance 138kV Line

Based on the updated model inputs and a more detailed analysis, this network upgrade is no longer needed to accommodate the Transmission Service request.

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3.3 The Richard to Habetz 138kV Line

Based on the updated model inputs and a more detailed analysis, this network upgrade is no longer needed to accommodate the Transmission Service request.

3.4 The Habetz to Flanders 138kV Line

Based on the updated model inputs and a more detailed analysis, this network upgrade is no longer needed to accommodate the Transmission Service request.

3.5 Metering and RTU Upgrades at 17 Delivery Points

Embedded within the Transmission Customer's request for Transmission Service is the election of Cleco Power as the Control Area under which this service will be offered. Presently, the delivery points named in this Network Service request exist within a third party's Control Area spanning three transmission providers necessitating coordinated rules of operation among the parties. That being the case, it is premature at this time to attempt to refine costs for this Control Area transition being such implementation is subject to multi-party technical negotiations among several Control Areas and the Transmission Customer. Nevertheless, it is the Transmission Customer's sole responsibility to pay costs associated with startup, maintenance, and upgrades associated with this change in Control Areas including those incurred by Cleco Power and any other affected Control Areas.

During the Network Integration Transmission Service Agreement negotiation, when requested by the Transmission Customer, Cleco Power will assist in the negotiations with other affected Control Areas with the goal of permitting the transition of Control Area responsibilities to Cleco Power. As a result of successful negotiation, Cleco Power will then be able to provide a detail cost estimate for implementation within the Control Area of Cleco Power. The total estimated cost of implementation shall be those cost incurred by Cleco Power plus any costs passed on directly to Transmission Customer by other affected Control Areas.

Although subject to change based on necessary technical negotiations that must occur among the Control Areas, Cleco Power envisions that the following Direct Assignment Facilities will likely be required, at a minimum, for startup within Cleco Power's Control Area:

- o Changes to Energy Management System ("EMS") generation control
- o Changes to EMS accounting
- o Installation of Cleco approved redundant metering at each delivery point
- o Installation of telecommunication circuit(s) (meter dialup and real-time)
- o Addition of remote terminal units at each delivery point
- o Changes to meter book management
- o Changes to existing balancing accounting process for this load

4. Cost

For the purpose of this Facilities Study, and subsequently the Network Integration Transmission Service Agreement (“NITSA”), the Transmission Customer shall acknowledge and agree that the cost listed hereafter is only an estimate using Good Utility Practices. Cleco stipulates that the estimates quoted herein are as accurate as possible considering the information available. The Transmission Customer shall protect, indemnify and hold harmless Cleco from the cost consequences of any current tax liability imposed against Cleco as the result of payments made by the Customer to Cleco. Cleco’s tax gross up rate is 61.52%, which will be applied if applicable.

Estimated costs including overheads and interest for Direct Assignment Facilities are:

- Metering and RTU upgrades \$ 500,000

5. Other Contractual Arrangements

Prior to execution of the NITSA, the Transmission Customer and Cleco Power shall enter into good-faith negotiations for the establishment of necessary contract terms within the Network Operating Agreement that clearly allocate responsibilities regarding compliance with reliability related criteria and any charges that may be appropriate for integration of Transmission Customer into the Cleco Control Area.

6. Schedule

A detailed schedule will be prepared subsequent to customer approval. The following are approximate durations:

- Metering and RTU upgrades 1 year

Notes to Duration Schedules:

- Schedule durations are high level estimates at this time. Upon project approval, a detailed schedule will be produced.