ORIGINAL

Before The
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

FLORIDA CABLE TELECOMMUNICATIONS ASSOCIATION, INC., COX COMMUNICATIONS GULF COAST, L.L.C., et. al. Complainants, v. GULF POWER COMPANY, Respondent.

E.B. Docket No. 04-381

To: Office of the Secretary

Attn.: The Honorable Richard L. Sippel
Chief Administrative Law Judge

GULF POWER'S MOTION FOR EXTENSION OF TIME

Gulf Power Company ("Gulf Power"), pursuant to the Presiding Judge's March 17, 2005 Order, moves to extend the deadline for responding to interrogatories and request for production to Friday, April 15, 2005. In support of this motion, Gulf Power says the following:

1. By letter dated January 11, 2005, Gulf Power advised the Presiding Judge of its intention to engage a consultant to perform an accounting of the poles on which Complainants are attached. At that time, Gulf Power had been in contact with several potential contractors and was in the course of defining the parameters for the audit, and soliciting estimates/bids. In the January 11, 2005 letter, Gulf Power advised that the potential contractors' estimated amount of time for completing the project was 5 to 7 months.

2. By early February 2005, Gulf Power decided to engage Osmose Utilities Services, Inc. ("Osmose") for the purposes of this audit. On February 8, 2005, Osmose and Gulf Power

CMP ____
COM ____
CTR ____
ECR ____
GCL ____
MMS ____
RCA ____
SCR ____
SEC 1
OTH ____

held a "kickoff" meeting to discuss various aspects of the engagement. Following the "kickoff" meeting, the parties worked together to create a comprehensive Statement of Work. The Statement of Work, executed by Gulf Power March 17, 2005, is attached hereto as Exhibit A.

3. Field work in connection with Osmose's audit is expected to begin within the next 7 - 10 days. The project, if performed to completion, is expected to take 7 months. (See Statement of Work, p.13 of 20). Gulf Power cannot identify the specific poles it contends are "crowded" or at "full capacity" for the purposes of this proceeding until the audit is complete. (See, e.g. Complainants' First Interrogatories to Gulf Power, #3).

4. The preparation and finalization of the Statement of Work consumed significant Gulf Power resources during the month of February and the first half of March. An early-February retirement of a key Gulf Power employee further stretched Gulf Power's personnel resources. Gulf Power simply was unable to meaningfully respond to Complainants' discovery within the time initially anticipated.

5. Gulf Power believes that an April 15, 2005 discovery deadline would allow sufficient time to respond to Complainants' discovery. Though an extension of the discovery deadline itself will have absolutely no impact on the remaining deadlines in the December 17, 2004 Scheduling Order, the anticipated time for completing the audit *will* have an impact on these deadlines. To this end, Gulf Power re-urges the issue raised in its January 25, 2005 Proposed Additional Agenda Items For January 31, 2005 Prehearing Conference.

> Whether, in light of the estimated time for Gulf Power's consultant to complete its work (as set forth in the January 11, 2005 letter report), the interests of justice would be best served by a temporary stay or revision to existing procedural deadlines.

6. Gulf Power respectfully requests (1) that the current discovery deadline be moved to Friday, April 15, 2005, and (2) that the Presiding Judge consider, during the March 30, 2005

Prehearing Conference, a modified procedural schedule which accounts for the estimated length of time to complete the Osmose audit.

Respectfully submitted,

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Counsel for Respondent

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Motion For Extension Of Time has been served upon the following by Electronic Mail and by United States Mail on this the 23rd day of March, 2005:

Lisa Griffin Federal Communications Commission 445 12th Street, S.W. Washington, D.C. 20554 **Via E-mail**	Shiela Parker Federal Communications Commission 445 12th Street, S.W. Washington, D.C. 20554 **Via E-mail**
Rhonda Lien Federal Communications Commission 445 12th Street, S.W. Washington, D.C. 20554 **Via E-mail**	Marlene H. Dortch, Secretary Federal Communications Commission Office of the Secretary 445 12th Street, SW Washington, D.C. 20554
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Director, Division of Record and Reporting Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, Florida 32399-0850	Federal Energy Regulatory Commission Docket Room 1A-209 888 First Street, NE Washington, D.C. 20426
John D. Seiver Brian D. Josef COLE, RAYWID & BRAVERMAN 1919 Pennsylvania Avenue, N.W. Suite 200 Washington, D.C. 20006 **Via E-mail**	

OF COUNSEL

Statement of Work
Joint Use Audit

Prepared for Gulf Power Company

March 4, 2005

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Syracuse, NY 13057
315-433-1010
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www.osmose.com

Osmose Utilities Services
Proprietary and Confidential

Statement of Work Sign-off

Contractor:	**Osmose Utilities Services, Inc.**	**Statement of Work**
Contract No.:	**C-04-110010**	**Date: 03/11/2005**

Date of Contract: ~~May~~ 3-18-2005 3-22-05

Purchase Order No: 5504585 3-22-05

This Statement of Work is issued to Gulf Power Company to identify the work that is to be performed for the Joint Use Audit project. By signing Gulf Power Company and Osmose agree to the terms and definitions of the work to be performed as documented in this Statement of Work. This signed version forms a baseline from which changes shall be proposed, assessed, and agreed to before their incorporation.

Osmose Utilities Services, Inc.	**Gulf Power Company**
By: Joe Zamborsky **Authorized Signature**	**By:** **Authorized Signature**
Joe Zamborsky **Name**	**Name**
Vice President **Title**	**Title**
3/18/05 **Date**	**Date**

Gulf Power Company Joint Use Audit
Statement of Work
Version 1.3

Executive Summary

Gulf Power Company has the need to perform an audit of all Gulf Power Company-owned joint-use poles within their system, with the primary purpose of this audit being a determination of the number of "crowded" or "full-capacity" poles in the context of a pending administrative proceeding before the Federal Communications Commission (FCC). The attachments on the joint-use poles are expected to include cable TV, telecommunications, and governmental attachments. Each crowded or full-capacity pole will have its attachments measured and recorded.

Definitions

- A "joint-use pole" refers to a Gulf Power Company pole that has equipment owned by a second party (i.e., a pole with an attachment made by an attaching entity that is not Gulf Power Company). These attachments may be in the usable and/or the non-usable space on a pole.

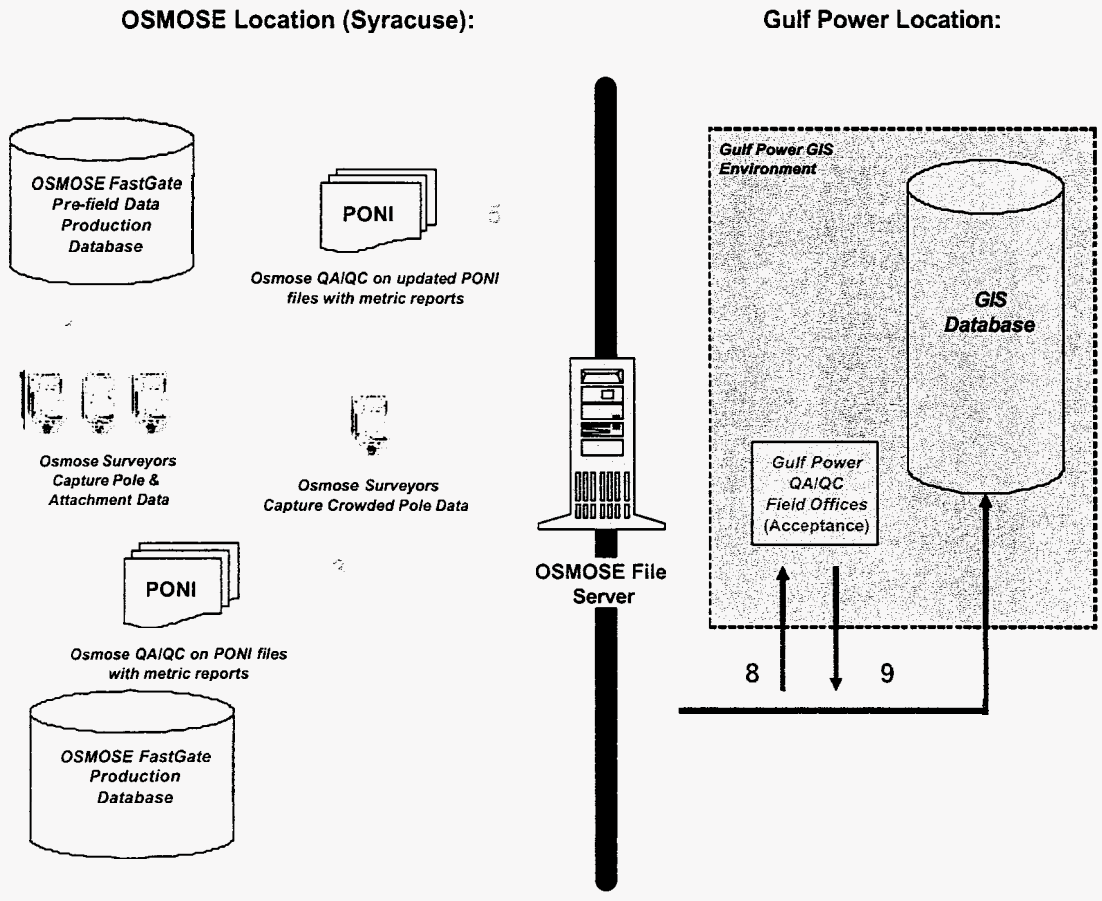
- A "crowded" pole, for the purposes of this joint use physical audit only, is defined as: (1) a pole that has any NESC vertical clearance violation(s) between Gulf Power Company's transformers (30"), transformer bus conductors (40"), neutrals (40"), riser (40"), or outdoor lighting (12") to the highest attachment below Gulf Power Company, or any NESC mid-span spacing violation(s) (4"); or NESC clearance over roads and pedestrian accessible areas that would cause one of the above clearance violations if corrected; (2) a pole that cannot accept an additional pole attachment due to vertical clearances between Gulf Power Company's transformers (42"), transformer bus conductors (52"), neutrals (52"), risers (52"), or outdoor lighting (24") to the highest attachment.

Project Overview

- This audit is to locate, identify, and record information about joint-use poles and those poles that would be regarded as "crowded" poles as defined herein. This audit is not intended to examine NESC wind and NESC ice loading attributes.
- The Gulf Power Company Pole Attachment Inventory Data-Collection Process is composed of pre-configured FastGate software components that together form a process that allows Osmose Field Technicians to collect and verify pole data in the field.
- Gulf Power Company and Osmose will jointly determine a project schedule for all of the areas to be field-inventoried. The project schedule will include the field inventory timeframe, the delivery of completed data, and acceptance for each delivery.
- Osmose will use existing Gulf Power Company TLN grid boundaries as guidance for segmenting data into workpackets.
- Osmose will use a tracking database to ensure all data files are monitored throughout the complete data flow described below.
- Osmose field technicians will verify and identify the data listed in this Statement of Work (Appendix A). Each item that is required for field inventory is specifically identified.
- An Osmose QA/QC process will be performed to ensure an accuracy level of 97% of pole attributes available on joint-use poles, and 98% on "crowded" poles (i.e., all crowded poles will be correctly identified from the set of audited poles).
- The project will follow the defined data flow described in Figure 1, "Field Inventory Data Flow".

- Gulf Power Company will notify local law enforcement officials and the general public of the fielding effort.
- Gulf Power Company will provide a letter of introduction to be carried by the Osmose field personnel. This letter will be provided to any customer that makes an inquiry about the project.
- Gulf Power Company will provide Osmose with paper maps for navigation. Road names, equipment locations, and other features that may assist the Osmose field crews with navigation must be identified on all maps.
- Gulf Power Company will provide contractor magnetic signs for display on field vehicles.
- Gulf Power Company represents and warrants to Osmose that Gulf Power Company has, and Osmose at all times during the performance of the work shall have, the legal right to access work sites.

Figure 1: Field Inventory Data Flow



Inventory Process Details:

Steps	Process Name:	Description	Owner
1	Osmose FastGate Field Data Preparation	Osmose field technicians will use Customer supplied Gulf Power Company database as a landbase reference. Each of the workpackets will represent a specific area.	Osmose
2	Pole & Attachment Data Field Collection	Pole and attachment data are captured by experienced field technicians. Osmose will deploy trained crews to survey joint-use poles and collect the items identified in this Statement of Work. In-field data validation and correction duties are performed before workpackets are completed and returned to the Osmose FastGate Production database.	Osmose
3	Osmose Field Data QA/QC	Osmose will perform QA/QC analysis on the collected data as defined in the "Quality Standards" section of this document. Corrections will be made to the data as needed. If an individual work set fails to pass the specified acceptance criteria, that work set will be corrected.	Osmose
4	"Crowded" Pole Data Field Collection	"Crowded" pole data are captured by trained field technicians using the first pass pole and attachment workpackets as the starting point. In-field data validation and correction duties are performed before workpackets are completed and returned to the Osmose FastGate Production database.	Osmose
5	Osmose Field Data QA/QC	Osmose will perform QA/QC analysis on the updated data as defined in the "Quality Standards" section of this document. Corrections will be made to the data as needed. If an individual work set fails to pass the specified acceptance criteria, that work set will be corrected.	Osmose
6	FastGate Field Data Post Production	Field workpackets are assembled from QA/QC and imported into a post process environment. Post-field validations are run on the data set to ensure completeness and consistency across the entire area.	Osmose
7	Data Delivery	FastGate data is exported for Gulf Power Company. The data will be delivered in 3 formats: ESRI shapefile, Access, and FastGate Manager for Poles (after the pilot).	Osmose
8	Receipt of Data by Gulf Power Company	Gulf Power Company will download the data delivery file from Osmose's secure FTP server, ftp.osmose.com	Gulf Power Company
9	Gulf Power Company Field Data	Gulf Power Company will perform a check of the data for consistency with pole information in the field, and if inaccuracies in a work set are discovered, the underlying work set will be brought to the attention of and discussed with Osmose personnel and/or management. Corrections required to meet the criteria defined in the "Quality Standards" section, will be made.	Gulf Power Company

Quality Standards

The QA/QC process is based on a FastGate Mobile application configured for use on the Gulf Power Company Joint Use Audit project. The application allows us to increase the accuracy of the data delivered to Gulf Power Company. Osmose will use the application internally prior to delivery. Quality control for this project will be met by conforming to the following standards:

- After collecting data in the field and storing the results in individual workpackets (containing a single PONI file, and associated background landbase), these work sets will be distributed to an internal Quality Control group whose job it is to verify a random subset of the data collected.
- After a completed workpacket has been handed to the field supervisor from the field technician, the Quality Control group will be given the work set. Using the FastGate Mobile Joint Use Application, they will randomly sample poles in each work set per field technician. The size of these workpackets will determine the lot size for the quality control process.
- The customer-acceptance quality control process will be based on a level II General Inspection size from an ANSI standard QA/QC table for lot size, and a random number generator shall be used to determine which poles with attachments and "crowded" poles make up the lot. The lot size will vary. A higher sample rate or any poles that are not part of a random sample will not be considered valid unless agreed upon by Gulf Power Company and the Osmose project manager. Gulf Power Company has the option to contract with Osmose to use the Customer Acceptance Quality Control FastGate Mobile product to perform their inspections.
- Each pole in the sampled sets will be visited by the QC group, and the assets collected during the initial inventory will be verified.
- Each attribute being verified in the QA/QC will receive equal weight when calculating quality standards. A minimum of 97% of all attributes collected in the field on joint-use poles in the sample set must be found to be correct for a workpacket to pass internal acceptance.
- Once a workpacket has passed the first QA/QC process, the additional information on "crowded" poles will be collected. A new sample set consisting of crowded poles will be selected, and a minimum of 98% of all poles in the sample set must be correctly identified as crowded to pass this stage of the QA/QC process.
- If data routinely passes the QA/QC standard, before Osmose may determine to modify the number of records, the number of sample lots, and/or the frequency of QA/QC testing, it will discuss any proposed modification with Gulf Power Company and receive Gulf Power Company's approval for the modification.
- Gulf Power Company will have 15 working days to accept or reject the deliveries. After 15 working days, the data will be considered accepted, unless the Gulf Power Company project manager makes special arrangements that are agreed upon with the Osmose project manager.
- Gulf Power Company will provide written documentation for all data that is rejected. The written documentation will include all the pole numbers in the survey, the original attribute value that was found to be in error, and the correct attribute value.
- Osmose will respond to rejected work sets by examining the root cause of the problem and properly correcting the information found inaccurate and to reach the appropriate level of quality standards. A root cause method looks at the reason for the failure, if the majority of the errors are caused by the same attribute, and then only those attribute needs to be corrected. The work set will undergo another round of Quality Control prior to re-delivery to Gulf Power Company only if no root cause is identified.

- Osmose and Gulf Power Company will compile a clarification guide of issues identified after the start of the field inventory that will be issued to Osmose field technicians with each significant change in collection process or scope definition.

Data Collection

Each joint-use pole owned by Gulf Power Company will be inventoried and placed relative to Gulf Power Company's conductor and transformer source data using the FastGate Mobile application, with placement made relative to the landbase if no facility information is present in that location. The following attributes will be collected for all Gulf Power Company joint-use poles (see Appendix A for the detailed specification):

- Unique ID number with TLN Map #
- GPS location (3-10 meter accuracy)
- Date of our audit
- Pole class
- Pole height
- Pole type (wood, concrete, steel, etc.)
- Identification of attacher
- Number of attachments
- Description and number of the attachment(s) (i.e., main line cable, drop, one of each, amplifier, riser, pedestal, termination box, crossarms or extension arms)
- Over-lashing (Y/N)
- Number of overlashed cables

Poles that meet the "crowded" definition will have the following additional information collected:

- The following measurements will be collected for crowded poles:
  - From ground to electric space
  - From ground to each attachment
- Clearance measurements will be surface-to-surface (vertical) and spacing measurements will be center line to center line (vertical) as defined in the NESC and GPC spec plates, to the nearest inch
- A digital image of the pole will be captured using a 4-5 mega pixel digital camera (additional image(s) might be necessary to identify the issues in some cases)

NESC Violations will be identified as listed below. Collection of additional code violations may necessitate a price adjustment due to the additional time required to collect this information.

- 52" clearance from Power to Highest attacher
- 24" clearance from Powers outdoor light drip loop and attahcer
- Less than 4" mid span "spacing" between attachments center line to center line (vertical)
- All attachers on Gulf Power Company poles that have a vertical ground are required by the NESC to bond to our pole or have their vertical ground bonded to our ground.
- Less than 40" clearance between power (top of riser, secondary or neutral) and highest attachment on pole
- Less than 30" clearance between bottom of transformer can and highest attachment on pole
- Less than 12" clearance between outdoor light drip loop and highest attachment on pole
- Less than 12" between attachments center line to center line on pole
- Less than 30" clearance between power (secondary or neutral) and highest attachment (mid-span clearance)
- Less than 18' clearance over DOT roadway
- Less than 3' clearance over structure

- Less than 15.5' clearance over roadway (18' in Bay County)
- Less than 9.5' clearance to pedestrian accessible area
- Less than 4' clearance between down guys

Project Communications

- At the start of the project, Gulf Power Company and Osmose conducted a kickoff meeting with the project team members. The purpose of this meeting was to identify the roles of each team member, review the scope of work as defined in the proposal, and identify any items that need clarification to ensure a successful project. Additional information gathered at the meeting has been incorporated into this Statement of Work document.
- Gulf Power Company and Osmose will hold a weekly teleconference to review project status. The Gulf Power Company and Osmose project managers will determine a mutually agreeable date and time to conduct the conference call.
- The Osmose project manager will provide weekly updates on project status and progress to Gulf Power Company via e-mail.
- The Osmose field supervisor will meet with the designated Gulf Power Company point of contact weekly to review field operations and outstanding issues.

Gulf Power Company Deliverables

The following will be provided by Gulf Power Company during the project setup phase (within 1 week of project kickoff meeting):

- Gulf Power Company landbase and facility data in ESRI shapefile format, including FAMS tile information
- Paper maps with attacher information
- Cable company maps (e.g. Cox, Mediacom, etc)
- Joint use spec plates
- List of attachers in the Gulf Power Company service territory, and guidelines for identifying each attacher in the field

Osmose Deliverables

Data will be delivered to Gulf Power Company in as many as three formats:

1) ESRI shapefiles containing geospatial data
2) Access database containing information on the crowded poles (findings report)
3) FastGate Manager for Poles database

See Appendix B for the specification of the ESRI shapefile format, and Appendix C for the specification of the Access table format.

The first data delivery will consist of a small sample dataset, while the size of the second delivery will be determined during the project setup phase. The first two deliveries will include data in the ESRI shapefile and Access database formats; assuming Gulf Power Company authorizes the full project after the pilot phase, a FastGate Manager for Poles database will be delivered subsequently as well. See the "Schedule" section later in this document for the timing of the deliveries.

Pricing

Osmose will provide field data collection for the items specified in this proposal at the following rates:

• Cost per Joint-Use Pole Visited (that is not "crowded")	$ 2.65
• Cost per "Crowded" Pole w/GPS	$ 20.00
• Digital Picture (adder for "crowded" poles only)	$ 0.25
• GPS (3-10 Meter) (adder cost for JUPV)	$ 0.15
• Cost for adding TLN Map # to the unique pole #	$ 2,400.00
• Hourly Rate (for additional services/tasks-see below)	$ 75.00

Hourly Price – Field Technician

In the event that Gulf Power Company requests completion of field tasks that are outside the scope of this project, Osmose offers a standard rate of $75.00/hour. Teleconferences or in-person meetings and discussions that are between Gulf Power Company personnel and Osmose employees or personnel while in Gulf Power Company's service area and that are related to the services and tasks within the scope of this project are not subject to the hourly rate charge. Osmose and Gulf Power Company will reach agreement before Osmose applies any hourly rate charges. This rate will be charged by the quarter hour at $18.75.

Invoicing Terms

- Invoices will be submitted to Gulf Power Company upon delivery. The intent is to limit the number of invoices to a maximum of two per month.
- A service charge of one and one-half percent (1½ %) per month will be added to all account balances not paid within thirty (30) days.

Schedule Milestones

• Project kick-off meeting:	2/9/05
• Submission of Statement of Work for Gulf Power Company review:	2/15/05
• Gulf Power Company signoff on Statement of Work:	3/XX/05 *
• Project setup complete:	+1 week
• Field testing and training complete:	+2 weeks
• First delivery:	+5 weeks **
• Second delivery and completion of pilot:	+8 weeks **
• Gulf Power Company decision on full project:	+9 weeks
• Collection complete for full project:	+7 months

* All subsequent dates are dependent on the SOW signoff by Gulf Power Company, and will be adjusted accordingly based on the actual date of signoff

** These delivery dates will allow Osmose to perform 2-3 weeks of field data collection and QA/QC for each delivery (the additional time is required to prepare the data for delivery to Gulf Power Company)

Assumptions

1. Gulf Power Company owns approximately 150,000 joint-use poles that will be audited during this project. This audit is limited to poles owned by Gulf Power Company. However if ownership cannot be determined in the field, from the cable companies' maps, or from Gulf Power Company's TLN (2001 pole count) paper maps, Osmose will still collect, deliver, and invoice for work performed on those poles.
2. Gulf Power Company will provide documentation to be carried by Osmose field representatives stating the purpose of their work which will contain contact phone numbers for any customer with further questions.
3. Pricing is based on Osmose interpretation of the information received from Gulf Power Company. For any change in the schedule or scope, Osmose reserves the right to negotiate pricing with Gulf Power Company.
4. Osmose, Gulf Power Company, OSHA, and DOT safety standards will be followed during the field-inventory process.
5. Any dangerous situations identified in the field will be relayed to the Gulf Power Company project manager. Dangerous condition may include; buckling, splitting, lower primary or secondary wires, or leaking transformers.
6. Only those attachments identified in this document will be inventoried.
7. Restricted access poles will not be part of this survey if, after proper notification to the designated Gulf Power Company point of contact, Gulf Power Company employees cannot provide access within 48 hours of notification. If access is not provided within 48 hours of notification, field collection of information on restricted access poles may be charged at the hourly price; or, arrangements may be worked out between Gulf Power Company and Osmose for a joint review of such poles that is agreeable to both parties and that would eliminate the hourly rate charge being applied for the data collection of restricted access poles. A restricted access pole is one where access is denied due to circumstances such as but not limited to:
    a. Locked Gate
    b. Military complex
    c. Prison
    d. Owner refuses access
    e. Airport
    f. Dog
8. Osmose technicians will not work in areas that present safety concerns.
9. Osmose reserves the right to use a 6 day week schedule for field inventory work hours.
10. The unique number assigned to each pole audited will be generated by the Osmose FastGate Mobile application. The field application will use a predefined algorithm to generate the unique number. Osmose will include Gulf Power Company's TLN map number in assigning this number and will bill Gulf Power Company for this service in total in the first billing.
11. Source data received from Gulf Power Company will not have duplicate records.
12. Osmose will use Gulf Power Company data "as-is". If a manual cleanup is requested, Osmose will perform the tasks on a time and materials basis.
13. Any Gulf Power Company customer issues with Osmose technicians will be reported to the Osmose project manager with a written description of the incident.
14. All project scope related issues will be communicated directly to the Osmose project manager.

15. Gulf Power Company will have 15 working days to accept or reject the deliveries. After 15 working days, the data will be considered accepted, unless the Gulf Power Company project manager makes special arrangements that are agreed upon with the Osmose project manager.
16. Osmose is not responsible for any work related to the integration of the delivered ESRI and Access data into Gulf Power Company systems.
17. The pole and attachment data collected for this project will be mapped to the existing FastGate Manager for Poles data model when creating the Manager database deliverable, which may not support all of the attributes collected; customization or enhancement of that data model is not within the scope of this effort.
18. Gulf Power Company will assign sufficient resources to the project to ensure that there are no delays due to data acquisition, providing answers to questions, or issue resolution.
19. Should the project be canceled for any reason, Osmose will invoice Gulf Power Company for all poles field inventoried up to the point of termination. The services billed to Gulf Power Company will include all poles field inventoried at the time of cancellation in the format described in "Osmose Deliverables". The QA/QC process will be completed on all poles field inventoried up to the point of termination before final invoicing and delivery of data to Gulf Power Company.
20. Osmose acknowledges that this project may provide data to support on-going litigation. The scope of this project is limited to the collection and delivery of pole and attachment data. Teleconferences or in person meetings and discussions between Gulf Power Company personnel and Osmose employees or personnel while in Gulf Power Company's service area that are related to the services and tasks within the scope of this project; or are to provide explanations of QA/QC processes and documentation to Gulf Power Company personnel; or are to clarify and answer pole attachment data questions or processes with Gulf Power Company personnel; or pertain to questions or concerns about the Pole Manager data deliverable, the accessing or processing of data collected, and the compatibility of deliverable products with Gulf Power Company's GIS system are all within the scope of work of this agreement. Any additional work or reporting that is not covered in this Statement of Work that is requested by Gulf Power Company to support the litigation effort, however, is out of scope and will be handled through the change order process.

Appendix A

Objects/Attributes/Attribute Values to be Inventoried

OBJECT	ATTRIBUTE	ATTRIBUTE VALUE
Pole	ID Number	Generated by FastGate Mobile with TLM map number
	GPS Location	X,Y
	Date/time of Inspection	String
	Pole class	Enumerated list (actual or estimated)
	Pole height	Enumerated list (actual or estimated)
	Pole type	Enumerated list
	Crowded pole	Y/N (less than 52"of available space or, 24" from street light drip loop)
	NESC Violation	Multi-select list: None Less than 40" power/communication separation Less than 52" power/communication separation Less than 4" mid-span vertical spacing between attachments Attachers with vertical ground not bonded to GP ground Less than 30" transformer/attachment separation Less than 12" street light drip loop/attachment separation Less than 24" from street light drip loop/attachment separation Less than 12" between attachments on pole Less than 30" mid-span power/attachment separation Less than 18' clearance over DOT roadway Less than 3' clearance over structure Less than 15'5" clearance over roadway Less than 9.5' clearance to pedestrian accessible area Less than 4' separation between down guys
	Measurements (crowded poles only): From ground to electric space From ground to each attachment	Integers
	Image1 file name (crowded poles only)	String
	Image2 file name (crowded poles only, if necessary)	String
Attachment	Owner	Enumerated list
	Type	Enumerated list: CATV, phone, government, etc.
	Number of main line cable attachments	Integer
	Number of service drop attachments	Integer
	Number of amplifier attachments	Integer
	Number of riser attachments	Integer
	Number of pedestal attachments	Integer
	Number of termination box attachments	Integer

	Number of crossarm attachments	Integer
	Number of extension arm attachments	Integer
	Over-lashing	Y/N
	Number of overlashed cables	Integer
	Attachment height (crowded poles only)	Integer

Appendix B

ESRI Shapefile Deliverable Format

OBJECT	ATTRIBUTE	COMMENTS
Pole	ID number	
	GPS Location	
	Date/time of inspection	
	Pole class	
	Pole height	
	Pole type	
	Crowded pole	Y: less than 52" of available space
	NESC Violation	
	Measurement1 (crowded poles only)	From ground to electric space
	Measurement2 (crowded poles only)	From ground to 1st attacher
	Measurement3 (crowded poles only)	From ground to 2nd attacher
Attachment	Pole ID number	
	Owner	
	Type	
	Number of main line cable attachments	
	Number of service drop attachments	
	Number of amplifier attachments	
	Number of riser attachments	
	Number of pedestal attachments	
	Number of termination box attachments	
	Number of crossarm attachments	
	Number of extension arm attachments	
	Over-lashing	
	Number of overlashed cables	
	Attachment height (crowded poles only)	

Appendix C

Access Deliverable Format

TABLE NAME	COLUMN NAME	COMMENTS
Pole	ID Number	
	GPS Location	
	Date/time of Inspection	
	Pole class	
	Pole height	
	Pole type	
	NESC Violation	
	Measurement1	
	Measurement2	
	Measurement3	
	Image1 file name	
	Image2 file name	
Attachment	Pole ID number	
	Owner	
	Type	
	Number of main line cable attachments	
	Number of service drop attachments	
	Number of amplifier attachments	
	Number of riser attachments	
	Number of pedestal attachments	
	Number of termination box attachments	
	Number of crossarm attachments	
	Number of extension arm attachments	
	Over-lashing	
	Number of overlashed cables	
	Attachment height	