FCC Form 481 - Carrier Annual Reporting Data Collection Form

FCC Form 481
OMB Control No. 3060-0986/OMB Control No. 3060-0819
July 2013

<010>	Study Area Code	411781
<015>	Study Area Name	H & B COMMUNICATIONS
<020>	Program Year	2014
<030>	Contact Name: Person USAC should contact with questions about this data	Marlena Jahn
<035>	Contact Telephone Number: Number of the person identified in data line <030>	785-252-4000
<039>	Contact Email Address: Email of the person identified in data line <030>	marlenajahn@hbcomm.net

ANNUAL REPORTING FOR ALL CARRIERS

(check box when complete)

			54.313 Completion Required	54.422 Completion Required
<100>	Service Quality Improvement Reporting	(complete attached worksheet)		
<200>	Outage Reporting (voice)	(complete attached worksheet)	✓	✓
<210>	✓ <-- check box if no outages to report			
<300>	Unfulfilled Service Requests (voice)	0	✓	
<310>	Detail on Attempts (voice)	(attach descriptive document)		
<320>	Unfulfilled Service Requests (broadband)			
<330>	Detail on Attempts (broadband)	(attach descriptive document)		
<400>	Number of Complaints per 1,000 customers (voice)		✓	✓
<410>	Fixed	150.8		
<420>	Mobile			
<430>	Number of Complaints per 1,000 customers (broadband)			
<440>	Fixed			
<450>	Mobile			
<500>	Service Quality Standards & Consumer Protection Rules Compliance	(check to indicate certification)	✓	✓
<510>	411781ks510	(attached descriptive document)	✓	✓
<600>	Functionality in Emergency Situations	(check to indicate certification)	✓	✓
<610>	411781ks610	(attached descriptive document)	✓	✓
<700>	Company Price Offerings (voice)	(complete attached worksheet)		
<710>	Company Price Offerings (broadband)	(complete attached worksheet)		
<800>	Operating Companies and Affiliates	(complete attached worksheet)	✓	✓
<900>	Tribal Land Offerings (Y/N)? ○ ●	(if yes, complete attached worksheet)		
<1000>	Voice Services Rate Comparability	(check to indicate certification)		
<1010>		(attach descriptive document)		
<1100>	Terrestrial Backhaul (Y/N)? ● ○	(if not, check to indicate certification)		
<1110>		(complete attached worksheet)		
<1200>	Terms and Condition for Lifeline Customers	(complete attached worksheet)		✓

Price Cap Carriers, Proceed to Price Cap Additional Documentation Worksheet

Including Rate-of-Return Carriers affiliated with Price Cap Local Exchange Carriers

<2000>		(check to indicate certification)		
<2005>		(complete attached worksheet)		

Rate of Return Carriers, Proceed to ROR Additional Documentation Worksheet

<3000>		(check to indicate certification)	✓	
<3005>		(complete attached worksheet)	✓	

(100) Service Quality Improvement Reporting
Data Collection Form

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<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<110>	Has your company received its ETC certification from the FCC?	(yes / no) ○ ●
<111>	If your answer to Line <110> is yes, do you have an existing §54.202(a) "5 year plan" filed with the FCC?	(yes / no) ○ ●

If your answer to Line <111> is yes, then you are required to file a progress report, on line <112> delineating the status of your company's existing § 54.202(a) "5 year plan" on file with the FCC, as it relates to your provision of voice telephony service.

<112> Attach Five-Year Service Quality Improvement Plan or, in subsequent years, your annual progress report filed pursuant to 47 C.F.R. § 54.313(a)(1). If your company is a CETC which only receives frozen support, your progress report is only required to address voice telephony service.

Name of Attached Document (.pdf)

Please check these boxes below to confirm that the attached PDF, on line 112, contains a progress report on its five-year service quality improvement plan pursuant to § 54.202(a). The information shall be submitted at the wire center level or census block as appropriate.

<113>	Maps detailing progress towards meeting plan targets	☐
<114>	Report how much universal service (USF) support was received	☐
<115>	How (USF) was used to improve service quality	☐
<116>	How (USF)was used to improve service coverage	☐
<117>	How (USF) was used to improve service capacity	☐
<118>	Provide an explanation of network improvement targets not met in the prior calendar year.	☐

(200) Service Outage Reporting (Voice)
Data Collection Form

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<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<220>

<a> NORS Reference Number	<b1> Outage Start Date	<b2> Outage Start Time	<b3> Outage End Date	<b4> Outage End Time	<c1> Number of Customers Affected	<c2> Total Number of Customers	<d> 911 Facilities Affected (Yes / No)	<e> Service Outage Description (Check all that apply)	<f> Did This Outage Affect Multiple Study Areas (Yes / No)	<g> Service Outage Resolution	<h> Preventative Procedures

-- See attached worksheet --

(700) Price Offerings including Voice Rate Data
Data Collection Form

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<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<701>	Residential Local Service Charge Effective Date	1/1/2013
<702>	Single State-wide Residential Local Service Charge	

<703>

<a1>	<a2>	<a3>	<b1>	<b2>	<b3>	<b4>	<b5>	<c>
State	**Exchange (ILEC)**	**SAC (CETC)**	**Rate Type**	**Residential Local Service Rate**	**State Subscriber Line Charge**	**State Universal Service Fee**	**Mandatory Extended Area Service Charge**	**Total per line Rates and Fees**
				-- See attached worksheet				
				--				

(710) Broadband Price Offerings
Data Collection Form

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<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<711>

<a1>	<a2>	<b1>	<b2>	<c>	<d1>	<d2>	<d3>	<d4>
State	**Exchange (ILEC)**	**Residential Rate**	**State Regulated Fees**	**Total Rate and Fees**	**Broadband Service - Download Speed (Mbps)**	**Broadband Service - Upload Speed (Mbps)**	**Usage Allowance (GB)**	**Usage Allowance Action Taken When Limit Reached {*select*}**
		-- See attached worksheet --						

(800) Operating Companies
Data Collection Form

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<035>	Contact Telephone Number - Number of person identified in data line <030>	785-252-4000
<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<810>	Reporting Carrier	H&B Communications, Inc.
<811>	Holding Company	H&B Enterprises, Inc.
<812>	Operating Company	H&B Communications, Inc.

<813>

<a1>	<a2>	<a3>
Affiliates	**SAC**	**Doing Business As Company or Brand Designation**

-- See attached worksheet --

(900) Tribal Lands Reporting
Data Collection Form

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July 2013

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<030>	Contact Name - Person USAC should contact regarding this data	Marlena Jahn
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<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<910> Tribal Land(s) on which ETC Serves

<920> Tribal Government Engagement Obligation

Name of Attached Document (.pdf)

If your company serves Tribal lands, please select (Yes,No, NA) for each these boxes to confirm the status described on the attached PDF, on line 920, demonstrates coordination with the Tribal government pursuant to § 54.313(a)(9) includes:

		Select (Yes,No, NA)
<921>	Needs assessment and deployment planning with a focus on Tribal community anchor institutions;	
<922>	Feasibility and sustainability planning;	
<923>	Marketing services in a culturally sensitive manner;	
<924>	Compliance with Rights of way processes	
<925>	Compliance with Land Use permitting requirements	
<926>	Compliance with Facilities Siting rules	
<927>	Compliance with Environmental Review processes	
<928>	Compliance with Cultural Preservation review processes	
<929>	Compliance with Tribal Business and Licensing requirements.	

(1100) No Terrestrial Backhaul Reporting Data Collection Form

FCC Form 481
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July 2013

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<020>	Program Year	2014
<030>	Contact Name - Person USAC should contact regarding this data	Marlena Jahn
<035>	Contact Telephone Number - Number of person identified in data line <030>	785-252-4000
<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<1120> Please check this box to confirm no terrestrial backhaul options exist within the supported area pursuant to § 54.313(G) ☐

<1130> Please check this box to confirm the reporting carrier offers broadband service of at least 1 Mbps downstream and 256 kbps upstream within the supported area pursuant to § 54.313(G) ☐

(1200) Terms and Condition for Lifeline Customers
Lifeline
Data Collection Form

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July 2013

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<030>	Contact Name - Person USAC should contact regarding this data	Marlena Jahn
<035>	Contact Telephone Number - Number of person identified in data line <030>	785-252-4000
<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

<1210> Terms & Conditions of Voice Telephony Lifeline Plans — 411781ks1210

Name of attached document (.pdf)

<1220> Link to Public Website — HTTP _____

"Please check these boxes below to confirm that the attached PDF, on line 1210, or the website listed, on line 1220, contains the required information pursuant to § 54.422(a)(2) annual reporting for ETCs receiving low-income support, carriers must annually report:

<1221> Information describing the terms and conditions of any voice telephony service plans offered to Lifeline subscribers, ☑

<1222> Details on the number of minutes provided as part of the plan, ☑

<1223> Additional charges for toll calls, and rates for each such plan. ☑

(2000) Price Cap Carrier Additional Documentation
Data Collection Form
Including Rate-of-Return Carriers affiliated with Price Cap Local Exchange Carriers

FCC Form 481
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<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

CHECK the boxes below to note compliance as a recipient of Incremental Connect America Phase I support, frozen High Cost support, High Cost support to offset access charge reductions, and Connect America Phase II support as set forth in 47 CFR § 54.313(b),(c),(d),(e) the information reported on this form and in the documents attached below is accurate.

Incremental Connect America Phase I reporting

<2010> 2nd Year Certification {47 CFR § 54.313(b)(1)} ☐
<2011> 3rd Year Certification {47 CFR § 54.313(b)(2)} ☐

Price Cap Carrier Receiving Frozen Support Certification {47 CFR § 54.312(a)}

<2012> 2013 Frozen Support Certification ☐
<2013> 2014 Frozen Support Certification ☐
<2014> 2015 Frozen Support Certification ☐
<2015> 2016 and future Frozen Support Certification ☐

Price Cap Carrier Connect America ICC Support {47 CFR § 54.313(d)}

<2016> Certification Support Used to Build Broadband ☐

Connect America Phase II Reporting {47 CFR § 54.313(e)}

<2017> 3rd year Broadband Service Certification ☐
<2018> 5th year Broadband Service Certification ☐
<2019> Interim Progress Certification ☐
<2020> Please check the box to confirm that the attached PDF , on line 2021, contains the required information pursuant to § 54.313 (e)(3)(ii), as a recipient of CAF Phase II support shall provide the number, names, and addresses of community anchor institutions to which began providing access to broadband service in the preceding calendar year. ☐
<2021> Interim Progress Community Anchor Institutions — Name of Attached Document Listing Required Information _____

(3000) Rate Of Return Carrier Additional Documentation

Data Collection Form

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July 2013

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<035>	Contact Telephone Number - Number of person identified in data line <030>	785-252-4000
<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

CHECK the boxes below to note compliance on its five year service quality plan (pursuant to 47 CFR § 54.202(a)) and, for privately held carriers, ensuring compliance with the financial reporting requirements set forth in 47 CFR § 54.313(f)(2). I further certify that the information reported on this form and in the documents attached below is accurate.

Progress Report on 5 Year Plan

(3010)	Milestone Certification {47 CFR § 54.313(f)(1)(i)} Please check this box to confirm that the attached PDF , on line 3012,	Name of Attached Document Listing Required Information	☐
(3011)	contains the required information pursuant to § 54.313 (f)(1)(ii), as a recipient of CAF Phase II support shall provide the number, names, and addresses of community anchor institutions to which began providing access to broadband service in the preceding calendar year.		
(3012)	Community Anchor Institutions {47 CFR § 54.313(f)(1)(ii)}	Name of Attached Document Listing Required Information	
(3013)	Is your company a Privately Held ROR Carrier {47 CFR § 54.313(f)(2)}		☑ (Yes/No)
(3014)	If yes, does your company file the RUS annual report		☑ (Yes/No)
	Please check these boxes to confirm that the attached PDF, on line 3017, contains the required information pursuant to § 54.313(f)(2) compliance requires:		
(3015)	Electronic copy of their annual RUS reports (Operating Report for Telecommunications Borrowers)		☑
(3016)	PDF of Balance Sheet, Income Statement and Statement of Cash Flows		☑
(3017)	If the response is yes on line 3014, attach your company's RUS annual report and all required documentation	Name of Attached Document Listing Required Information	411781ks3017
(3018)	If the response is no on line 3014, Is your company audited?		☐ (Yes/No)
	If the response is yes on line 3018, please check the boxes below to confirm your submission, on line 3026 pursuant to § 54.313(f)(2), contains :		
(3019)	Either a copy of their audited financial statement; or (2) a financial report in a format comparable to RUS Operating Report for Telecommunications		☐
(3020)	PDF of Balance Sheet, Income Statement and Statement of Cash Flows		☐
(3021)	Management letter issued by the independent certified public accountant that performed the company's financial audit.		☐
	If the response is no on line 3018, please check the boxes below to confirm your submission, on line 3026 pursuant to § 54.313(f)(2), contains:		
(3022)	Copy of their financial statement which has been subject to review by an independent certified public accountant; or 2) a financial report in a format comparable to RUS Operating Report for Telecommunications Borrowers,		☐
(3023)	Underlying information subjected to a review by an independent certified public accountant		☐
(3024)	Underlying information subjected to an officer certification.		☐
(3025)	PDF of Balance Sheet, Income Statement and Statement of Cash Flows		☐
(3026)	Attach the worksheet listing required information	Name of Attached Document Listing Required Information	

Certification - Reporting Carrier Data Collection Form	FCC Form 481 OMB Control No. 3060-0986 OMB Control No. 3060-0819 July 2013

<010>	Study Area Code	411781
<015>	Study Area Name	H & B Communications, Incorporated
<020>	Program Year	2012
<030>	Contact Name - Person USAC should contact regarding this data	Marlena Jahn
<035>	Contact Telephone Number - Number of person identified in data line <030>	(785) 252-4000
<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

TO BE COMPLETED BY THE REPORTING CARRIER, IF THE REPORTING CARRIER IS FILING ANNUAL REPORTING ON ITS OWN BEHALF:

I certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the annual reporting requirements for universal service support recipients; and, to the best of my knowledge, the information reported on this form and in any attachments is accurate.

Name of Reporting Carrier:	H & B Communications, Incorporated		
Signature of Authorized Officer:		Date:	10/4/13
Printed name of Authorized Officer:	Robert A. Koch		
Title or position of Authorized Officer:	President/General Manager		
Telephone number of Authorized Officer:	(785) 252 - 4000		
Study Area Code of Reporting Carrier:	411781	Filing Due Date for this form:	10/15/2013

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

Certification - Agent / Carrier Data Collection Form	FCC Form 481 OMB Control No. 3060-0986/OMB Control No. 3060-0819 July 2013

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<020>	Program Year	2014
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<035>	Contact Telephone Number - Number of person identified in data line <030>	785-252-4000
<039>	Contact Email Address - Email Address of person identified in data line <030>	marlenajahn@hbcomm.net

TO BE COMPLETED BY THE REPORTING CARRIER, IF AN AGENT IS FILING ANNUAL REPORTS ON THE CARRIER'S BEHALF:

Certification of Officer to Authorize an Agent to File Annual Reports for CAF or LI Recipients on Behalf of Reporting Carrier

I certify that (Name of Agent)_____ is authorized to submit the information reported on behalf of the reporting carrier. I also certify that I am an officer of the reporting carrier; my responsibilities include ensuring the accuracy of the annual data reporting requirements provided to the authorized agent; and, to the best of my knowledge, the reports and data provided to the authorized agent is accurate.

Name of Authorized Agent:

Name of Reporting Carrier: H & B COMMUNICATIONS

Signature of Authorized Officer: CERTIFIED ONLINE Date:

Printed name of Authorized Officer:

Title or position of Authorized Officer:

Telephone number of Authorized Officer:

Study Area Code of Reporting Carrier: 411781 Filing Due Date for this form: 10/15/2013

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

TO BE COMPLETED BY THE AUTHORIZED AGENT:

Certification of Agent Authorized to File Annual Reports for CAF or LI Recipients on Behalf of Reporting Carrier

I, as agent for the reporting carrier, certify that I am authorized to submit the annual reports for universal service support recipients on behalf of the reporting carrier; I have provided the data reported herein based on data provided by the reporting carrier; and, to the best of my knowledge, the information reported herein is accurate.

Name of Reporting Carrier: H & B COMMUNICATIONS

Name of Authorized Agent or Employee of Agent:

Signature of Authorized Agent or Employee of Agent: CERTIFIED ONLINE Date:

Printed name of Authorized Agent or Employee of Agent:

Title or position of Authorized Agent or Employee of Agent

Telephone number of Authorized Agent or Employee of Agent:

Study Area Code of Reporting Carrier: 411781 Filing Due Date for this form: 10/15/2013

Persons willfully making false statements on this form can be punished by fine or forfeiture under the Communications Act of 1934, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

Attachments

(800) Operating Companies
Data Collection Form

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<810>	Reporting Carrier	H&B Communications, Inc.
<811>	Holding Company	H&B Enterprises, Inc.
<812>	Operating Company	H&B Communications, Inc.

<813>

<a1>	<a2>	<a3>
Affiliates	**SAC**	**Doing Business As Company or Brand Designation**
H&B Cable Service, Inc.	419008	H&B Cable Service, Inc.

QUALITY OF SERVICE & CUSTOMER PROTECTION PROCESSES
H & B COMMUNICATIONS, INCORPORATED

CUSTOMER SERVICE

A. Available Customer Service Representatives to Answer Phones – All calls received by H&B during business hours are answered internally, 90% of them within 15 seconds (by the third ring). When the assigned customer representatives are unable to answer calls by the third ring, an additional representative is taken from other tasks and asked to help answer phones. It is not uncommon for the Office Manager to also step in and answer phones when necessary, specifically during lunch times. A phone system with the option to ring multiple lines at once is used so that multiple representatives can answer phones as required.

B. Provide After Hours Emergency Customer Service – Where 80% of calls are answered within 60 seconds. Call logs are reviewed daily by personnel and the overall answer rate is considered. Notifications of less than an 80% answer rate are sent to department Managers to review and address. Customer service representatives have been given a list of questions by H&B to ask to assist them in resolving the issue. Issues unresolved are entered into H&B's service order system and are reviewed the following work day. Issues requiring immediate attention are sent to the H&B service technician on call, who works to resolve the matter as quickly as possible. If that technician is unable to resolve the problem, a second level technician is brought in. The after-hours customer service is run by an outside contractor who uses specially designed software to assist in meeting the target objective.

C. Provide a 24/7 Hour Internet Help Desk Service – Where 80% of calls are answered within 60 seconds and 85% of calls are resolved on the phone. Call logs are reviewed daily by personnel and the overall answer and resolution rate are considered. Notifications of less than an 80% answer rate or an 85% resolution rate are sent to department Managers to review and address. The Internet help desk is run by an outside contractor who uses specially designed software to assist in meeting the target objective. They also utilize an internal trouble ticket system.

D. Offer Online Bill Payments – Payments made online are posted to the customer accounts and are viewable on the online customer account summaries within 24 hours. Through a contracted provider, payment reports are printed every night at midnight and sent to another contracted provider to be posted to the company's billing system. Problems at either step of that process are reported to the Office Supervisor, but are handled by the contracted providers who work to resolve the technical errors as quickly as possible.

E. Periodic Customer Satisfaction Surveys to All Current Subscribers – Asking the question, "Please rate the customer service of H&B in the following areas: Phone, Office, Service Technicians, Customer Support, Overall." Customers will be given the opportunity to rate the company on a scale of 1 to 5; 1 being excellent. It is the goal of H&B to obtain a 1 or 2 (Excellent or Good) on 90% of returned surveys. Surveys are written internally, but contractors are used to calculate the results. Results are returned to the Marketing Manager who will call customers that gave the company a poor rating to determine what could be done differently to serve them better if 90% are not Excellent or Good.

F. Give Customers Cut-off Warnings & Provide Bill Arrangement Opportunities – 100% of customers are given two months of missed payments before being cut off. Notification of the payment due date and the cut-off date are prominently displayed on customer bills as well as of the opportunity to make a bill payment arrangement to avoid being cut-off. Additionally, customers who have not been cut

off within the last few months will receive a call from a customer service representative to remind them of the late payment. If a customer complains that notice was not given, they are directed to speak with the Office Manager who will work to resolve the matter and prevent it from occurring again. Account balance reports are printed monthly internally using the company's billing system.

ORDER FULFILLMENT

A. Ensure That All New Service Installation Orders Are Fulfilled When the Customer Requires Them – Make contact with all customers within 48 hours regarding scheduling the new service installation. If outside plant is already in place, fill the order at the customers' earliest convenience; if outside plant is in not in place, fill the order as soon as the weather permits. If the 48-hour timeline is not met, the Plant Manager will step in to lend assistance. There are several systems in place to help H&B handle this objective internally: an electronic work order system for handoff of service requests from the front to the back office, several systems for the provisioning of services, and daily team meetings to review outstanding service requests.

B. Minimize Customer Downtime for Services & Make Requested Changes Promptly – Contact customers regarding all service requests the same day, resolving 95% of the issues within 48 hours. The other 5% of issues will be resolved contingent on the technician/customer coordination of access to the premises. Should service technicians not be able to meet 48-hour timeline, Plant Manager and Systems Engineer will be informed and will perform services as needed. H&B has several systems and tools in place to handle service changes/requests internally: an electronic work order system for handoff of service requests from the front to the back office, several systems for the provisioning of services, daily team meetings to review outstanding service requests, and regular cell phone communication between the service technicians and the Plant Manager.

CAPACITY PLANNING

A. Have CO Equipment, Outside Plant Equipment, and A Network Backbone Capable of Meeting our Current & Forecasted Customer Needs – Multiple constraints and triggers are applicable due to the multiple services offered:
   - Maintain a less than 90% fill rate on the FTTH equipment at each of H&B's sites. If the fill rates pass 90%, additional GPON cards will be added one at a time to increase capacity by 25% each. The Calix Management System assists H&B in monitoring the fill rates internally on a monthly basis.
   - Sustain a less than 90% usage of total line capacity on the softswitch. If usage passes 90%, new equipment will need to be purchased. Usage rates are analyzed monthly internally by H&B using reports automatically generated by the switch.
   - Keep data, video, and voice traffic below 80% of total capacity on the BTI 10Gb ring. H&B currently has <1% of the ring allocated to voice traffic, 10% allocated to video services, and 2% allocated to data. If total data traffic reaches 80%, H&B will allocate an additional wavelength of capacity on the ring. H&B will monitor traffic internally on a monthly basis with network monitoring software for data and by keeping inventory of T1 usage for voice.
   - H&B's contract with its ISP, KFN, allows for usage up to the purchased bandwidth of 200 Mb. Additional internet access bandwidth will be purchased when peak usage is consistently at 90% of the purchased bandwidth. H&B's access to the ISP is provided by a GigE connection which allows for significant growth beyond our current usage. Should we exceed the capacity of the GigE connection, additional ports are available to add additional GigE connections. Using network monitoring software H&B will monitor this usage monthly internally.
   - All fiber plant has been designed with only a 70% fill rate to allow for new customer premises and has been designed with all splitters located such that there is a home run fiber from all

premises to an equipment location allowing for potential growth in per home bandwidth requirements.

NETWORK MANAGEMENT

A. Proactively Monitor All Service Equipment So That H&B Is Aware of Major Service Outages In A Timely Manner – Service technicians will be made aware of outages affecting five or more customers within an hour. If these constraints are not met, the Plant Manager will investigate where the monitoring, reporting, and alarming system has broken down to resolve it as quickly as possible and take action to ensure the same error is not repeated. It is the goal of H&B to resolve major outages in four hours or less. If an outage has not been resolved within four hours, technicians will begin utilizing all resources, both from within and from without. H&B maintains technical support contracts with all of its major vendors. In addition, affected customers will be contacted to ensure them that the problem is being actively investigated. H&B provides internal oversight of its network management tools. These tools include:
   - Calix Management System for monitoring, managing, and sending alarms related to customer premise and CO equipment.
   - NetGuardian for collecting and forwarding alarms as well as polling network equipment and sending alarms should the equipment stop responding.
   - MikroTik Network Monitoring Software for polling network equipment and archiving responses and alarming as well as providing performance graphs where data is available from the network.
   - Cacti logs usage and performance data on a continual basis from all network elements and provides long term graphs of network usage and bandwidth for IP services.
   - PRTG is comparable to Cacti, but is used by H&B on an on-demand basis for specific troubleshooting and also provides graphing capability for network usage and bandwidth.
   - All alarms associated with these tools are forwarded 24x7 to on-call technicians via a paging system.
   - Technicians establish and accomplish yearly training goals to be better equipped for managing all services.

CUSTOMER PRIVACY

A. Company Confidential Information Policy – H&B has a company policy in place that holds employees accountable for a breach of confidentiality concerning customer data and company information. The policy states: "You are reminded that revealing any type of confidential information to unauthorized persons or tampering with or altering company records and/or property is a violation of trust that can result in disciplinary action up to and including discharge."

B. Company CPNI Policy – H&B also has a customer proprietary network information (CPNI) policy in place that ensures employee compliance with the FCC's CPNI guidelines. Outlined within the policy is a detailed description of CPNI as well as both acceptable and unacceptable CPNI practices. Employees are required to sign waivers stating they understand and agree to comply with the policy and acknowledge that "failure to protect this information result in disciplinary action up to and including discharge for the responsible employee." As a part of this policy, H&B has designated a Compliance Officer responsible for training employees, monitoring CPNI related activities, and reporting breaches.

EMERGENCY SITUATION FUNCTIONALITY
H & B COMMUNICATIONS, INCORPORATED

AVAILABILITY OF BACK-UP POWER

H&B has one central office and two tandem office locations within its service area. Each of these locations is equipped with a back-up generator capable of providing power to the equipment within that office in the event of an external power source outage. During extended power outages, company employees refill the gas tanks and check the oil on each generator at specified intervals. After each power outage, generators are inspected, gas tanks are filled, and oil is replaced as necessary. These generators are also professionally serviced bi-annually to ensure functionality.

In addition, H&B has installed back-up batteries on the customer premise equipment. Multiple back-up batteries have been installed at home of those with special needs. Spare batteries are kept at H&B's main office for replacement of batteries at customer homes in the event of a prolonged power outage.

H&B also utilizes its copper plant to provide central office based power to some customer premise equipment.

TRAFFIC ROUTING

Voice traffic between the central office switch and both remote switches is carried across a SONET ring allowing continued service if one route is interrupted. Voice traffic between the central office switch and the upstream tandem is also provisioned across a SONET ring. A links are provisioned on diverse routes to diverse STPs.

MANAGING TRAFFIC SPIKES

H&B's careful capacity planning has put multiple constraints and triggers in place on its central office equipment, outside plant equipment, and network backbone that will provide the company with the capability of handling traffic spikes during emergency situations. These constraints and triggers are as follows:

- Maintain a less than 90% fill rate on the FTTH equipment at each of H&B's sites. If the fill rates pass 90%, additional GPON cards will be added one at a time to increase capacity by 25% each. The Calix Management System assists H&B in monitoring the fill rates internally on a monthly basis.
- Sustain a less than 90% usage of total line capacity on the softswitch. If usage passes 90%, new equipment will need to be purchased. Usage rates are analyzed monthly internally by H&B using reports automatically generated by the switch.
- Keep data, video, and voice traffic below 80% of total capacity on the BTI 10Gb ring. H&B currently has <1% of the ring allocated to voice traffic, 10% allocated to video services, and 2% allocated to data. If total data traffic reaches 80%, H&B will allocate an additional wavelength of capacity on the ring. H&B will monitor traffic internally on a monthly basis with network monitoring software for data and by keeping inventory of T1 usage for voice.

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