

STATE OF NEW HAMPSHIRE  
PUBLIC UTILITIES COMMISSION

Re : Notification of New Hampshire Optical Systems, Inc. to construct and maintain fiber optic communications cable over and across 1 NH Public Waterway and 3 Railroads in Northumberland NH.

AFFIDAVIT OF AMY KRAUS

I, Amy Kraus, attest to the following

1. My name is Amy Kraus. I am Project Manager/Agent for New Hampshire Optical Systems, Inc, with corporate offices at 10 North Southwood Dr. Nashua, NH.
2. I am the officer responsible for facilitating network design, construction and maintenance, and I am authorized to provide this Affidavit on behalf of NHOS.
3. I am familiar with the design of the fiber-optic telecommunications cable NHOS has constructed between existing poles in Northumberland, NH. The river crossing currently runs between poles PSNH 31/14 located at Latitude N 44.59565314, Longitude W-71.51081431 and PSNH 31/15 located at Latitude N 44.59547927, Longitude W-71.51018163. This segment completed has construction work as of 4/30/13. The railroad crossings were constructed before said completion date and currently run through the following poles:
  - a. PSNH 50/80 located at Latitude N 44.53423639, Longitude W -71.57155526 and PSNH NT/NT located at Latitude N 44.53384475, Longitude W -71.57191693
  - b. PSNH 31B/43 located at Latitude N 44.5809238, Longitude W -71.53346432 and PSNH 31B/42 located at Latitude N 44.58158848, Longitude W -71.53330199.
  - c. PSNH31B/18 located at Latitude N 44.59129462, Longitude W -71.5166092 and PSNH 31B/17 located at Latitude N 44.5916279, Longitude W -71.51579575
4. The crossings have been completed in compliance with the National Electrical Safety Code, as well as with pole attachment licenses issued by the utility pole owner(s).
5. All statements made and matters set forth herein are true and correct to the best of my knowledge and belief after due and diligent inquiry

Further the affiant sayeth not. .

Signature:

Date: 6/10/2014

Location: 10 N.Southwood Dr.

SUBSCRIBED and sworn to by Amy Kraus who personally appeared before me.

(Seal)

Notary Public

Commission expires:

MEGHANNE L. BAMBERG, Commissioner of Deeds  
My Commission Expires September 4, 2018



645 Odlin Road  
Bangor, Maine, 04401

[www.FairPoint.com](http://www.FairPoint.com)

Date: 02/16/2012

New Hampshire Optical Systems Inc (PSNH)  
14 Kidder Rd  
Chelmsford, Massachusetts 01824

RE: Application number A-2011-1180  
Licensee reference number: NHOS-P16-LAN-08

Dear Jay Dunn:

This is to inform you that on 02/16/2012 our Fairpoint engineer notified us that the pole make-ready work performed by Fairpoint for New Hampshire Optical Systems Inc (PSNH) in the municipality of Route 3/DW Highway, Lancaster, NH in accordance with the above license application number, has been sufficiently completed so as not to impede the placement of your facilities. Please remember that you must also receive a license from the Electric Company before you begin to place your facilities.

Enclosed is the license being issued for this application, which you should retain permanently as a part of your records. Your next rental bill will reflect these additional attachments.

Also enclosed you will find Form 8 "Licensee to RCE Notification". As stipulated in the Pole Attachment Agreement or, if applicable( VT. PSB No. 26), written notification to Fairpoint is required within 10 days of placing your attachments. Please complete this form and fax or mail to the RCE listed on the form.

Please call 1-866-774-5228 to speak with a License Administration Associate should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mary E. Thompson".

Mary E. Thompson  
License Administration

## Form 8

Licensee to RCE Notification Form

Licensee Name: New Hampshire Optical Systems Inc (PSNH)

Municipality: Lancaster

State: NH

Application A-2011-1180  
Number:

Please check applicable	
<input type="checkbox"/>	This is to notify you that the facilities (cables, power supplies or other associated equipment) have been placed in association with License Application number _____ on date ____/____/____ (month/day/year).
<input type="checkbox"/>	This is to notify you that an overlash project has been completed in association with License Application number _____ on date ____/____/____ (month/day/year).
<input type="checkbox"/>	This is to notify you that a rebuild project has been completed in association with License Application number _____ on date ____/____/____ (month/day/year).

FAX to RCE: Contact Joy Johnson at tel. no 603-595-1151 for fax number.

A-2011-1180  
NHA2011180APP  
Form 1  
WC 9285

**APPLICATION AND POLE ATTACHMENT LICENSE**

Licensee: New Hampshire Optical Systems

Street Address: 14 Kidder Rd

City, State and Zip: Chelmsford, MA 01824

Date: 10/3/2011

In accordance with the terms and conditions of the Pole Attachment Agreement, application is hereby made for a license to make 18 attachments to poles and N/A Power Supply(ies) and N/A other attachments located in the municipality of Lancaster in the State of New Hampshire.

This request will be designated **Pole Attachment License Application Number** NHOS-P16-LAN-08. Attached are my power supply specifications if applicable. The cable's strand size is 1/4 in. and weight per foot of cable is .17 lb/ft.

PSNH  
Power Company

Licensee's Name (Print) Jay Dunn, (Waveguide - Agent)

Signature: Jay Dunn

Title: Utilities Project Manager

Tel. No. (978) 376-1388

Fax No. (978) 670-4495

E-mail: jdunn@waveguidefiber.com

\*\*\*\*\*For licensor use, do not write below this line\*\*\*\*\*

Pole Attachment License Application Number NHOS-P16-LAN-08 is hereby granted to make the attachments described in this application to 16 attachments to JO<sub>1</sub> poles, 5 attachments to FO<sub>2</sub> poles, 0 attachments to JU<sub>3</sub> poles, 0 Power Supplies and 0 other attachments located in the municipality Lancaster, in the State of New Hampshire as indicated on the attached Form 3.

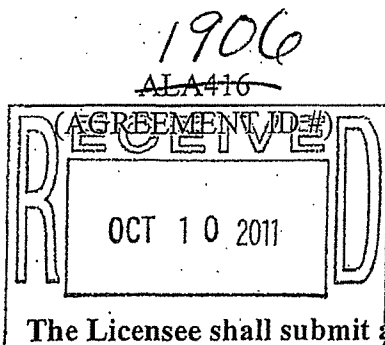
Licensor's Name (Print) STEPHEN J. POLYOT

Signature: Stephen J. Polyot

Title: License Administration

Date: 2-16-2012

Tel. No. 1-866-774-5228



The Licensee shall submit an original copy of this application to Northern New England Telephone Operations LLC, d/b/a FairPoint Communications - NNE (FairPoint) and the appropriate Power Company.

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# FORM 3 - FAIRPOINT ITEMIZED POLE MAKE-READY WORK CHARGES

Appendix IV Form 3

FIELD SURVEY / MAKE READY WORK FORM																							
RCE to Complete - Total Poles Surveyed				21				Total Poles Requiring Make Ready				Fairpoint		14		Others		16					
Surveyors:				Survey Date:				10/19/11				Survey Order #				NHA20111180APP							
Fairpoint				Bill Redman				Munic:				Lancaster				State:				New Hampshire			
Licensee				Gary Vickery				Licensee Name:				New Hampshire Optical System				Licensee Application #				NHOS-P16-LAN-08			
Elco				Rick St. Cyr				Elco Name:				PSNH				LAG Application #				A-2011-1180			
days																							
Location		Pole #		Attach		Ownership																	
Tel Rte / Street Name	Tel	El	F/C PS	J.O. Tel	J.O. El	J.U. Tel	J.U. El	S.O. Tel	S.O. El	Description of Work				FP	Others	Tasks		Attach location see notes					
145/ Rte 3 - DW Hwy	72	26/86	F	X						Lower 2 strands (5 ca) 12". CATV lower 12".				X	X	11A,11B		*					
145/ Rte 3 - DW Hwy	73	26/87	F	X						CATV lower 6". No tel make ready required. PSNH dress up service loops					X			*					
145/ Rte 3 - DW Hwy	74	26/88	F	X						No make ready required.								*					
145/ Rte 3 - DW Hwy	74 1/2	26/89	F	X						Lower 3 strands (7 ca), 1 PA guy 12". CATV lower 12".				X	X	10A,11A,(2)11B		*					
145/ Rte 3 - DW Hwy	75	26/90	F	X						Lower 2 strands (5 ca) 12". CATV lower 12".				X	X	11A,11B		*					
145/ Rte 3 - DW Hwy	76	26/91	F	X						No make ready required.								*					
145/ Rte 3 - DW Hwy	77	NT	F					X		Lower 2 strands (5 ca) 12". CATV lower 12".				X	X	11A,11B		*					
145/ Rte 3 - DW Hwy	78	NT	F					X		Lower 2 strands (5 ca), 1 PA guy 12". CATV lower 12". Guying required.				X	X	10A,11A,11B		*					
145/ Rte 3 - DW Hwy	79	NT	F					X		Lower 2 strands (5 ca), 1 pushbrace 12". CATV lower 12".				X	X	10A,11A,11B		*					
145/ Rte 3 - DW Hwy	80	NT	F					X		Lower 2 strands (5 ca), 1 PA guy 12". CATV lower 12". Guying required.				X	X	10A,11A,11B		*					
145/ Rte 3 - DW Hwy	81	NT	F					X		Lower 2 strands (5 ca), 2 PA guy 12". CATV lower 12". Guying required.				X	X	10A,10B,11A,11B		*					
145/ Rte 3 - DW Hwy	82	50/80	F	X						Lower 2 strands (5 ca) 12". CATV lower 12".				X	X	11A,11B		*					
145/ Rte 3 - DW Hwy	83	50/79	F	X						Lower 2 strands (5 ca) 12". CATV lower 12".				X	X	11A,11B		*					
145/ Rte 3 - DW Hwy	84	50/78	F	X						Lower 2 strands (5 ca) 12". CATV lower 12".				X	X	11A,11B		*					

Location		Pole #		Attach		Ownership						Description of Work	FP	Others	Tasks	Attach location see notes
Tel Rte / Street Name	Tel	El	F/C PS	J.O.		J.U.		S.O.								
				Tel	El	Tel	El	Tel	El							
145/ Rte 3 - DW Hwy	84 1/2	50/77	F	X							PSNH dress up service loops. No tel make ready required. Guying required.		X		*	
145/ Rte 3 - DW Hwy	84 1/2S	50/77S		X							PSNH raise 1 PP & 1PA guy. No tel make ready required. Guying required. Place anchor.		X		*	
145/ Rte 3 - DW Hwy	85	50/76	F	X							No make ready required. Guying required.				*	
145/ Rte 3 - DW Hwy	85S	50/76S		X							Lower 1 PA guy, 1 PP guy 12". Guying required. Place anchor.	X		10A,10B	*	
145/ Rte 3 - DW Hwy	85 1/2	50/ 75 1/2	F	X							Lower 2 strands (5 ca) 12". CATV lower 12".	X	X	11A,11B	*	
145/ Rte 3 - DW Hwy	86	50/75	F	X							Lower top strand(2 ca), 1 PA guy to 64". CATV lower to 52"	X	X	10A,11A,11B	*	
145/ Rte 3 - DW Hwy	86S	50/75S		X							No make ready required. Guying required.				*	
Totals				16	0	0	0	5	0			14	16			
<b>Notes:</b> * Attach no closer than 40" below power attachment and 12" above CATV and / or telephone attachment.																

Date: 03/26/2012

New Hampshire Optical Systems Inc (PSNH)  
14 Kidder Rd  
Chelmsford, Massachusetts 01824

RE: Application number A-2011-1179  
Licensee reference number: NHOS-P16-NOR-07

Dear Jay Dunn:

This is to inform you that on 03/22/2012 our Fairpoint engineer notified us that the pole make-ready work performed by Fairpoint for New Hampshire Optical Systems Inc (PSNH) in the municipality of Main St & Various, Northumberland (Groveton), NH in accordance with the above license application number, has been sufficiently completed so as not to impede the placement of your facilities. Please remember that you must also receive a license from the Electric Company before you begin to place your facilities.

Enclosed is the license being issued for this application, which you should retain permanently as a part of your records. Your next rental bill will reflect these additional attachments.

Also enclosed you will find Form 8 "Licensee to RCE Notification". As stipulated in the Pole Attachment Agreement or, if applicable( VT. PSB No. 26), written notification to Fairpoint is required within 10 days of placing your attachments. Please complete this form and fax or mail to the RCE listed on the form.

Please call 1-866-774-5228 to speak with a License Administration Associate should you have any questions.

Sincerely,



Mary E. Thompson  
License Administration

## Form 8

Licensee to RCE Notification Form

Licensee Name: New Hampshire Optical Systems Inc (PSNH)

Municipality: Northumberland (Groveton)

State: NH

Application A-2011-1179  
Number:

Please check applicable:	
<input type="checkbox"/>	This is to notify you that the facilities (cables, power supplies or other associated equipment) have been placed in association with License Application number _____ on date ____/____/____ (month/day/year).
<input type="checkbox"/>	This is to notify you that an overlash project has been completed in association with License Application number _____ on date ____/____/____ (month/day/year).
<input type="checkbox"/>	This is to notify you that a rebuild project has been completed in association with License Application number _____ on date ____/____/____ (month/day/year).

FAX to RCE: Contact Joy Johnson at tel. no 603-595-1151 for fax number.

A-2011-1179  
NH2011179APP  
Form 1

APPLICATION AND POLE ATTACHMENT LICENSE

WC 9285

Licensee: New Hampshire Optical Systems

Street Address: 14 Kidder Rd

City, State and Zip: Chelmsford, MA 01824

Date: 10/3/2011

In accordance with the terms and conditions of the Pole Attachment Agreement, application is hereby made for a license to make 172 attachments to poles and N/A Power Supply(ies) and N/A other attachments located in the municipality of Northumberland in the State of New Hampshire.

This request will be designated **Pole Attachment License Application Number** NHOS-P16-NOR-07. Attached are my power supply specifications if applicable. The cable's strand size is 1/4 in. and weight per foot of cable is .17 lb/ft.

PSNH  
Power Company

Licensee's Name (Print) Jay Dunn, (Waveguide - Agent)

Signature: Jay Dunn

Title: Utilities Project Manager

Tel. No. (978) 376-1388

Fax No. (978) 670-4495

E-mail: jdunn@waveguidefiber.com

\*\*\*\*\*For licensor use, do not write below this line\*\*\*\*\*

Pole Attachment License Application Number NHOS-P16-NOR-07 is hereby granted to make the attachments described in this application to 139 46 attachments to JO<sub>1</sub> poles, 12 attachments to FO<sub>2</sub> poles, 0 attachments to JU<sub>3</sub> poles, 0 Power Supplies and 0 other attachments located in the municipality Northumberland, in the State of New Hampshire as indicated on the attached Form 3.

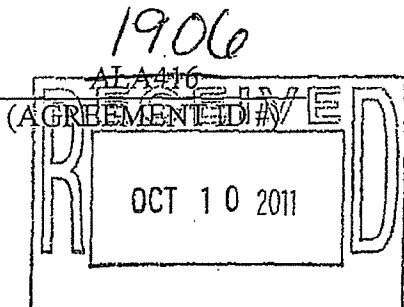
Licensor's Name (Print) Douglas Cyr

Signature: Douglas Cyr

Title: LAG Specialist

Date: 3-26-2012

Tel. No. 1-866-774-5228



The Licensee shall submit an original copy of this application to Northern New England Telephone Operations LLC, d/b/a FairPoint Communications - NNE (FairPoint) and the

Location		Pole #	Attach	Ownership						CATV - TIME WARNER CABLE					
Tel Rte / Street Name	Tel	El	F/C PS	J.O.		J.U.		S.O.		Description of Work	CHARGE		Tasks		Attach location see notes
				Tel	El	Tel	El	Tel	El		YES	NO			
145E/ MAIN ST	242	31/14	F	X	X					FRP RAISE TO 64", 2 CABLES, 2 DROPS, CATV RAISE TO 52", WORK NEEDED TO ALLOW FOR LOWERING AT 145E/241	X				40"
145E/ MAIN ST	241	31/15	F	X	X					FRP LOWER TO 52", 2 CABLES, CATV LOWER TO 42", UP SECONDARY LTS DRESS	X				30"
145E/ MAIN ST	240	31/16	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			12"/TV
145E/ HWY 110, BROOKLYN ST	239	31B/1	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			40"
145E/ HWY 110, BROOKLYN ST	238	31B/2	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			12"/TV
145E/ HWY 110, BROOKLYN ST	237	31B/3	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			12"/TV
145E/ HWY 110, BROOKLYN ST	236	31B/4	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			12"/FRP
145E/ HWY 110, BROOKLYN ST	235	31B/5	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			12"/TV
145E/ HWY 110, BROOKLYN ST	234	31B/6	F	X	X					FRP LOWER 12", 1 CABLE, 2 DROPS, CATV LOWER 12"	X				12"/TV
145E/ RIVERSIDE DR	233	31B/7	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS RAISE SECONDARY 12"		X			12"/TV
145E/ RIVERSIDE DR	232	31B/8	F	X	X					FRP LOWER 10", 2 DROPS, CATV LOWER 12"	X				12"/TV
145E/ RIVERSIDE DR	231	31B/9	F	X	X					FRP LOWER 12", 1 CABLE, 1 DROP, CATV LOWER 12"	X				12"/TV
145E/ RIVERSIDE DR	230	31B/10	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS DRESS UP SECONDARY		X			12"/TV
145E/ RIVERSIDE DR	229	31B/11	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS RAISE SECONDARY 12"		X			12"/TV
145E/ RIVERSIDE DR	228	31B/12	F	X	X					NC, NO FRP MAKE READY NEEDED.		X			12"/TV

Location	Pole #	Attach	Ownership		CATV - TIME WARNER CABLE															
Tel Rte / Street Name	Tel	El	F/C PS	J.O.		J.U.		S.O.		Description of Work	CATV	CHARGE		Tasks			Attach location see notes			
				Tel	El	Tel	El	Tel	El			YES	NO							
145E/ RIVERSIDE DR	227	31B/ 13	F	X	X					FRP LOWER 12", 1 CABLE, LOWER 12",		X					12"/ TV			
145E/ RIVERSIDE DR	226	31B/ 14	F	X	X					FRP LOWER 12", 1 CABLE, 2 DROPS, CATV LOWER 12",		X					12"/ TV			
145E/ RIVERSIDE DR	225	31B/ 15	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS DRESS UP SECONDARY			X				12"/ TV			
RIVERSIDE DR	NA	31B/ 16	F						X	NC, NO FRP MAKE READY NEEDED.			X				12"/ TV			
145/ HWY 3	224	31B/ 17	F	X	X					NC, NO FRP MAKE READY NEEDED. NHOS PL 1 PAG W/ ANCHOR			X				12"/ TV			
145/ HWY 3	223	31B/ 18	F	X	X					FRP LOWER 12", 2 TOP CABLES, 1 PAG, CATV LOWER 12",		X					12"/ TV			
145/ HWY 3	222	31B/ 19	F	X	X					NC, NO FRP MAKE READY NEEDED.			X				12"/ TV			
145/ HWY 3	221	31B/ 20	F	X	X					NC, NO FRP MAKE READY NEEDED.			X				12"/ TV			
145/ HWY 3	220	31B/ 21	F	X	X					NC, NO FRP MAKE READY NEEDED.			X				12"/ TV			
145/ HWY 3	219	31B/ 22	F	X	X					FRP LOWER TO 64", 2 CABLES, 2 DROPS, CATV LOWER TO 52",		X					40"			
145/ HWY 3	218	31B/ 23	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS RAISE SECONDARY 6"			X				12"/ TV			
145/ HWY 3	217	31B/ 24	F	X	X					FRP LOWER 12", 2 CABLES, 2 DROPS,, CATV LOWER 12",		X					12"/ TV			
145/ HWY 3	216	31B/ 25	F	X	X					NC, FRP LOWER TO 64", 2 CABLES, 1 DROP, 2 PAG, LOWER TO 52",			X				40"			
145/ HWY 3	215	31B/ 26	F	X	X					NC, NO FRP MAKE READY NEEDED.			X				12"/ TV			
145/ HWY 3	214	31B/ 27	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS RAISE SECONDARY 12"			X				12"/ TV			

Location		Pole #	Attach	Ownership						CATV- TIME WARNER CABLE							
Tel Rte / Street Name	Tel	El	F/C PS	J.O.		J.U.		S.O.		Description of Work	CHARGE		Tasks			Attach location see notes	
				Tel	El	Tel	El	Tel	El		YES	NO					
145/ HWY 3	198.5	31B/40X	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS RAISE NEUTRAL 12"		X				12"/TV	
145/ HWY 3	198	31B/41	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS DRESS UP SECONDARY		X				12"/TV	
145/ HWY 3	197	31B/42	F	X	X					NC, FRP LOWER TO 64", 2 CABLES, 1 DROP, 1 PM LOAD CASE, 1 PPG, 1 PAG, CATV LOWER TO 52"		X				40"	
145/ HWY 3	196	31B/42A	F	X	X					NC, NO FRP LICENSING REQUIRED, NHOS WILL NOT BE ATTACHED TO POLE, PER GATV VICKERY		X					
145/ HWY 3	NA	31B/43	F						X	NC, NO FRP LICENSING REQUIRED, 100% PSNH POLE, NO FRP ATTACHMENTS		X					
943/ HWY 3	1	31B/44	F	X	X					NC, NO FRP MAKE READY NEEDED.		X				12"/TV	
145/ HWY 3	193S	31B/45	F	X	X					FRP LOWER 12", 1 PPG, 1 PAG,, CATV LOWER 12",	X					12"/TV	
145/ HWY 3	192	31B/46	F	X	X					NC, NO FRP MAKE READY NEEDED.		X				12"/TV	
145/ HWY 3	191	31B/47	F	X	X					NC, NO FRP MAKE READY NEEDED.		X				12"/TV	
145/ HWY 3	190	31B/48	F	X	X					NC, NO FRP MAKE READY NEEDED. LTS DRESS UP SECONDARY		X				12"/TV	
145/ HWY 3	189	31B/49	F	X	X					FRP LOWER 12", 2 CABLES, 1 PAG, CATV LOWER 12",	X					12"/TV	
145/ HWY 3	188	31B/50	F	X	X					FRP LOWER 12", 2 CABLES, 1 DROP, CATV LOWER 12",	X					12"/TV	
145/ HWY 3	187.5	31B/51	F	X	X					FRP LOWER 12", 2 CABLES, CATV LOWER 12",	X					12"/TV	
145/ HWY 3	187	31B/52	F	X	X					NC, NO FRP MAKE READY NEEDED.		X				12"/TV	
145/ HWY 3	186	NA	F						X	NC, NO FRP MAKE READY NEEDED.		X				12"/TV	