



ORIGINAL

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2017 FEB - 8 A 11: 37

Jessica T. Nyman
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February 7, 2017

VIA HAND DELIVERY

Accepted / Filed

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

FEB - 7 2017

**Federal Communications Commission
Office of the Secretary**

Attn:
Son Nguyen, Supervisory Engineer
Audio Division, Media Bureau

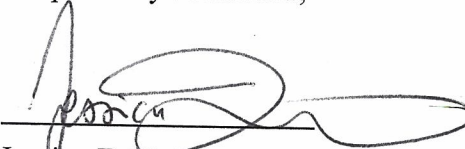
**Re: ACM JCE IV B LLC
FRN: 0024486094
WFTL(AM), W. Palm Beach, FL (FIN: 29490)**

Dear Ms. Dortch:

On behalf of ACM JCE IV B LLC, licensee of WFTL(AM), West Palm Beach, Florida, Facility ID 29490 (the "Station"), the instant submission amends the pending modification of license application, FCC File No. BMML-20050104ABJ, to resolve issues identified by Audio Division staff in the December 30, 2016 letter granting the Station authority to conduct limited program tests.

Please direct any communications regarding this matter to the undersigned.

Respectfully submitted,


Jessica T. Nyman

cc (via email): Ed Lubetzky, FCC

Accepted / Filed

Federal Communications Commission
Washington, D. C. 20554Approved by OMB
3060-0627
Expires 01/31/98FOR
FCC
USE
ONLY

FEB - 7 2017

Federal Communications Commission
Office of the SecretaryFCC 302-AM
APPLICATION FOR AM
BROADCAST STATION LICENSE

(Please read instructions before filling out form.)

FOR COMMISSION USE ONLY

FILE NO.

SECTION I - APPLICANT FEE INFORMATION

1. PAYOR NAME (Last, First, Middle Initial)

ACM JCE IV B LLC

MAILING ADDRESS (Line 1) (Maximum 35 characters)

426 South River Road

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

Tryon

STATE OR COUNTRY (if foreign address)

NC

ZIP CODE

28782

TELEPHONE NUMBER (include area code)

202-663-8810

CALL LETTERS

WFTL(AM)

OTHER FCC IDENTIFIER (If applicable)

29490

2. A. Is a fee submitted with this application?

☐

Yes

☒

No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section

☐

Governmental Entity

☐

Noncommercial educational licensee

☒Other (Please explain): Amendment to FCC File No.
BMML-20050104ABJ

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter fee amount due in Column (C).

(A)

FEE TYPE CODE		

(B)

FEE MULTIPLE			
0	0	0	1

(C)

FEE DUE FOR FEE TYPE CODE IN COLUMN (A)
\$

FOR FCC USE ONLY

To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)

--	--	--

(B)

0	0	0	1
---	---	---	---

(C)

\$

FOR FCC USE ONLY

ADD ALL AMOUNTS SHOWN IN COLUMN C,
AND ENTER THE TOTAL HERE.
THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED
REMITTANCE.TOTAL AMOUNT
REMITTED WITH THIS
APPLICATION

\$

FOR FCC USE ONLY

SECTION II - APPLICANT INFORMATION		
1. NAME OF APPLICANT ACM JCE IV B LLC		
MAILING ADDRESS 426 South River Road		
CITY Tryon	STATE NC	ZIP CODE 28782

2. This application is for:

☒ Commercial
 ☐ Noncommercial
☒ AM Directional
 ☐ AM Non-Directional

Call letters WFTL(AM)	Community of License West Palm Beach	Construction Permit File No.	Modification of Construction Permit File No(s).	Expiration Date of Last Construction Permit
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3. Is the station now operating pursuant to automatic program test authority in accordance with 47 C.F.R. Section 73.1620?

☐ Yes ☒ No

If No, explain in an Exhibit.

Exhibit No.
directional PTA

4. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

☒ Yes ☐ No

If No, state exceptions in an Exhibit.

Exhibit No.

5. Apart from the changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect?

☐ Yes ☒ No

If Yes, explain in an Exhibit.

Exhibit No.

6. Has the permittee filed its Ownership Report (FCC Form 323) or ownership certification in accordance with 47 C.F.R. Section 73.3615(b)?

☐ Yes ☐ No

If No, explain in an Exhibit.

☒ Does not apply

Exhibit No.

7. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to the application in a civil or criminal proceeding, brought under the provisions of any law relating to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?

☐ Yes ☒ No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and the disposition of the litigation. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) the disposition of the previously reported matter.

Exhibit No.

8. Does the applicant, or any party to the application, have a petition on file to migrate to the expanded band (1605-1705 kHz) or a permit or license either in the existing band or expanded band that is held in combination (pursuant to the 5 year holding period allowed) with the AM facility proposed to be modified herein?

☐ Yes ☒ No

If Yes, provide particulars as an Exhibit.

Exhibit No.

The APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because use of the same, whether by license or otherwise, and requests and authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended).


The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations and that all the exhibits are a material part hereof and are incorporated herein as set out in full in

CERTIFICATION

1. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

☒ Yes ☐ No

2. I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name Mark Jorgenson	Signature 
Title Sole Member of Licensee's Sole Member	Date 2/2/2017
	Telephone Number 828-859-6982

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Your response is required to obtain the requested authorization.

Public reporting burden for this collection of information is estimated to average 639 hours and 53 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0627), Washington, D. C. 20554. Do NOT send completed forms to this address.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

ACM JCE IV B LLC

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)



Station License



Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
WFTL	BMP20031024AAV	850	Unlimited	20	50

2. Station location

State Florida	City or Town West Palm Beach
-------------------------	--

3. Transmitter location

State	County	City or Town	Street address (or other identification)
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4. Main studio location

State	County	City or Town	Street address (or other identification)
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5. Remote control point location (specify only if authorized directional antenna)

State	County	City or Town	Street address (or other identification)
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6. Has type-approved stereo generating equipment been installed?



Yes



No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?



Yes



No



Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No.
see eng stmt**8. Operating constants:**

RF common point or antenna current (in amperes) without modulation for night system 20.5	RF common point or antenna current (in amperes) without modulation for day system 32.4
--	--

Measured antenna or common point resistance (in ohms) at operating frequency Night 50 Day 50	Measured antenna or common point reactance (in ohms) at operating frequency Night 0 Day 0
---	--

Antenna indications for directional operation

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day
1	-97.3	-111.1	0.383	0.681		
2	ref 0.0	ref 0.0	ref 1.00	ref 1.00		
3	+106.9	+129.8	0.544	0.480		
4	-117.4	-145.0	0.358	0.432		
5	-28.1	-43.5	1.549	1.288		
6	+83.2	+65.2	0.973	0.762		

Manufacturer and type of antenna monitor:

Potomac Instruments 1901-6**CLEAR ALL PAGES**

SECTION III - Page 2

9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator	Overall height in meters of radiator above base insulator, or above base, if grounded.	Overall height in meters above ground (without obstruction lighting)	Overall height in meters above ground (include obstruction lighting)	If antenna is either top loaded or sectionalized, describe fully in an Exhibit.
Guyed	see eng stn	see eng stn	see eng stn	Exhibit No.

Excitation ☒ Series ☐ Shunt

Geographic coordinates to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude	26	°	32	'	30	"	West Longitude	80	°	44	'	30	"
----------------	----	---	----	---	----	---	----------------	----	---	----	---	----	---

If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.

10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

none

11. Give reasons for the change in antenna or common point resistance.

MoM proof

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) Timothy C. Cutforth	Signature (check appropriate box below)
Address (include ZIP Code) Broadcast Engineering Consultants 965 S. Irving Street Denver, CO 80219	Date 2/1/2017 Telephone No. (Include Area Code) 303-912-5474

☐ Technical Director

☒ Registered Professional Engineer

☐ Chief Operator

☐ Technical Consultant

☐ Other (specify)

SECTION 3B - Page 2

8. Description of antenna system (If directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type/Radiator	Overall height in meters of radiator above base	Overall height in meters above ground (without hydrocarbon lighting)	Overall height in meters above ground (without obstruction lighting)	If antenna is either the tower or non-tower, describe fully in an Exhibit
Guyed	see eng sin	see eng sin	see eng sin	Exhibit No.

9. Antenna ☒ Series ☐ Beam

10. Geographic coordinates to nearest second. For directional antennas give coordinates of center of array. For single vertical radiator give base location.

North Latitude	26	32	50	West Longitude	80	44	30
----------------	----	----	----	----------------	----	----	----

If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated station circuits.

Exhibit No.

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.

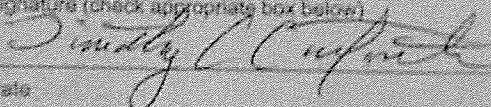
11. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

None

12. Give reasons for the change in antenna or common point resistance.

Mod proof

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Name (Please Print or Type) Timothy C. Cufford	Signature (check appropriate box below) 
Address (Include ZIP Code) Broadcast Engineering Consultants 965 S. Irving Street Denver, CO 80219	Date 2/1/2017 Telephone No. (Include Area Code) 303-912-5474

☐ Technical Director

☒ Registered Professional Engineer

☐ Chief Operator

☐ Technical Consultant

☐ Other (specify)

WFTL(AM) FORM 302-AM
February 2017 Amendment

Applicant submits this amendment to address the three issues identified by Commission staff in the December 30, 2016 letter granting WFTL(AM) authority to conduct limited program tests through March 30, 2017:

- 1. For clarity, please provide the reference measurements you state were made within 5% and 3° of the operating parameters specified in the FCC Form 302.***

Please see attached reference measurements.

- 2. In order to obtain sample system approval pursuant to the “Criteria For Approval of Sample Systems for Directional AM Broadcast Stations”, released December 9, 1985 you need to certify that the following stability requirements has been met: A stability study needs to show during a test period of 30 continuous days that the antenna monitor sample current ratios, and common point current does not exceed 5% of the value specified in this application and that the relative phase indications are within +/- 3° of the value specified in this application. The common point current must be taken daily, the sample current amplitudes and their ratios daily, and the antenna monitor phase indications, daily.***

The applicant certifies that a stability study conducted during a test period of 30 continuous days shows that the antenna monitor sample current ratios, and common point current does not exceed 5% of the values specified in this application, and that the relative phase indications are within +/-3° of the values specified in this application.

Please see attached stability study.

- 3. Please advise your progress on correcting the tower registration records every ninety (90) days.***

As noted in the December 22, 2016 amendment, the FAA verified the WFTL tower registration filings and initiated an aeronautical study. The FAA assigned the following Aeronautical Study Numbers:

- 2016-ASO-30728-OE
- 2016-ASO-30729-OE
- 2016-ASO-30730-OE
- 2016-ASO-30731-OE
- 2016-ASO-30732-OE
- 2016-ASO-30733-OE

On December 28, 2016, the FAA issued a “Determination of No Hazard to Air Navigation” with respect to each of the towers.

Modification applications to correct the tower registration records were submitted to the FCC on January 16, 2017.

REFERENCE MEASUREMENTS

1/21/16		WFTL Night Reference Points			
Radial	Point	Dist.	MV	GPS	Description
18.5	1	8.02	3.1	26-36-36 (80-42-58)	On cr827 @ canal
	2	9.28	2.5	26-37-18.4 (80-42-43)	On US 27 @ sign S.B.
	3	18.7	0.8	26-39-51 (80-4145)	on N. side Hwy 80 @ ent. to farm
122.5	1	4.72	92	26-31-7.4 (80-31-7.4)	on gravel rd by canal
	2	5.1	83	26-30-.32 (26-41-58)	on gravel rd by canal
	3	9.19	40	26-29-51 (80-39-48)	On US 27 nb @ road
180.5	1	2.09	48	26-31-21 (80-44-29)	On gravel road
	2	3.71	44	26-30-49 (80-46-27)	on gravel rd east of radial
	3	6.21	29	26-29-10 (80-44-19)	on gravel rd
223	1	2.95	18	26-31-21 (80-45-40)	on gravel rd
	2	4.23	9.8	26-30-49 (80-46-14)	on gravel rd
	3	6.55	5.5	26-29-53 (80-47-11)	on gravel rd @ canal
233.5	1	3.61	12	26-31-20 (80-46-12)	@ intersection
	2	4.66	9.1	26-30-59 (80-46-45)	Difficult to get to
	3	9.06	5	26-30-41 (80-47-12)	on road
286.5	1	3.10	28	26-32-57 (80-46-17)	on road
	2	4.08	19	26-33-7 (80-47-55)	on road
286.5	3	9.06	5	26-30-5 (80-47-12)	on road

325.5	1	3.33	16	26-33-57-(80-45-36) on road by rr trx
	2	4.20	15	26-34-15 (80-45-50 on road
	3	5.29	11	26-34-48 (80-46-16) on road

WFTL Day Radial measurements.

Bearing	mv/m	Lat	Long
0.5	140	26-36-34.4	80-44-28.8
	19	26-36-7.1	80-44-29.2
	19.5	26-35-40.7	80-44-28.6
22.5	11	26-34-49.5	80-43-26.8
	7.6	26-36-22.9	80-42-43.6
	5.4	26-36-34.6	80-42-38.2
138	67	26-30-53.2	80-42-52
	101	26-31-19	80-43-18
	65	26-30-53.3	80-42-52.8
173	26	26-28-42.5	80-43-59.6
	33	26-29-9.4	80-44-3.2
	42	26-30-0.5	80-44-10.3
196.5	6.7	26-30-11.8	80-45-17.1
	5	26-30-0.4	80-45-21.4
	4.8	26-29-33.6	80-45-30.2
238	15	26-29-43.3	80-49-31.7
	36	26-31-0.8	80-47-13.2
	50	26-31-19.5	80-46-39.9
299.5	0.5	26-34-47.7	80-49-0.5
	0.9	26-34-40.1	80-48-45.9
	2.8	26-34-25.1	80-48-16.1

Common Point Current
31.0 apmps

All Readings obtain on 6/29/16 between 1130 and 1500.

Monitor point discriptions were eliminated since all points were located within Sugar Cane fields with no landmarks

STABILITY STUDY

	Lic Day	Lic Night	Day	Difference	Night	Difference
Date			12/30/2016	Degrees/%	12/30/2016	Degrees/%
Time			1700		1730	
CP	32.4	20.5	31.5		20.2	
Tower 1						
Phase	-111.1°	-97.3°	-111.2°	-.1°	-97.3°	.°
Ratio	0.681	0.383	0.687	0.9	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.3°	-.5°	106.8°	-.1°
Ratio	0.48	0.544	0.488	1.7	0.55	1.1
Tower 4						
Phase	-145.°	-117.4°	-146.°	-1.°	117.1°	-.3°
Ratio	0.432	0.358	0.429	-0.7	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.9°	-1.4°	-27.1°	1.°
Ratio	1.288	1.549	1.301	1.0	1.549	0.0
Tower 6						
Phase	65.2°	83.2°	64.5°	-.7°	84.°	.8°
Ratio	0.762	0.973	0.779	2.2	0.991	1.8

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			12/31/2016	Degrees/%	12/31/2016	Degrees/%
CP	32.4	20.5	31.5		20.2	
Tower 1						
Phase	-111.1°	-97.3°	-111.4°	-.3°	-97.3°	.°
Ratio	0.681	0.383	0.688	1.0	0.376	-1.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.9°	-.9°	107.1°	.2°
Ratio	0.48	0.544	0.473	-1.5	0.551	1.3
Tower 4						
Phase	-145.°	-117.4°	-146.4°	-1.4°	-116.9°	-234.3°
Ratio	0.432	0.358	0.432	0.0	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-.6°	-26.9°	1.2°
Ratio	1.288	1.549	0.141	-89.1	1.545	-0.3
Tower 6						
Phase	65.2°	83.2°	63.9°	-1.3°	83.2°	.°
Ratio	0.762	0.973	0.768	0.8	0.986	1.3

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/1/2016	Degrees/%	1/1/2017	Degrees/%
CP	32.4	20.5	31.5		20.2	
Tower 1						
Phase	-111.1°	-97.3°	-111.3°	-.2°	-97.3°	.°
Ratio	0.681	0.383	0.692	1.6	0.378	-1.3
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1.001	
Tower 3						
Phase	129.8°	106.9°	129.3°	-.5°	106.3°	-.6°
Ratio	0.48	0.544	0.479	-0.2	0.545	0.2
Tower 4						
Phase	-145.°	-117.4°	-146.4°	-1.4°	-116.8°	.6°
Ratio	0.432	0.358	0.428	-0.9	0.355	-0.8
Tower 5						
Phase	-43.5°	-28.1°	-45.6°	-2.2°	-27.4°	.7°
Ratio	1.288	1.549	1.293	0.4	1.544	-0.3
Tower 6						
Phase	65.2°	83.2°	63.6°	-1.6°	83.6°	.4°
Ratio	0.762	0.973	0.77	1.0	0.986	1.3

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/2/2016	Degrees/%	1/2/2017	Degrees/%
CP	32.4	20.5	32.6		20.2	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.1°	.2°
Ratio	0.681	0.383	0.677	-0.6	0.378	-1.3
Tower 2						
Phase	.°	.°	1.°		.°	
Ratio	1	1	0		1.002	
Tower 3						
Phase	129.8°	106.9°	129.5°	-.3°	106.4°	-.5°
Ratio	0.48	0.544	0.482	0.4	0.543	-0.2
Tower 4						
Phase	-145.°	-117.4°	-145.4°	-.4°	-117.°	.4°
Ratio	0.432	0.358	0.43	-0.5	0.358	0.0
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-.6°	-26.9°	1.2°
Ratio	1.288	1.549	1.298	0.8	1.544	-0.3
Tower 6						
Phase	65.2°	83.2°	63.9°	-1.3°	83.2°	.°
Ratio	0.762	0.973	0.766	0.5	0.977	0.4

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/3/2017	Degrees/%	1/3/2017	Degrees/%
CP	32.4	20.5	715		700	
Tower 1			32.6		21.5	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.5°	-.2°
Ratio	0.681	0.383	0.677	-0.6	0.384	0.3
Tower 2						
Phase	.°	.°	1.°		.°	
Ratio	1	1	0		1.004	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.8°	-.1°
Ratio	0.48	0.544	0.477	-0.6	0.538	-1.1
Tower 4						
Phase	-145.°	-117.4°	-146.°	-1.°	-116.6°	.8°
Ratio	0.432	0.358	0.43	-0.5	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.3°	-.9°	-27.1°	1.°
Ratio	1.288	1.549	1.299	0.9	1.545	-0.3
Tower 6						
Phase	65.2°	83.2°	64.8°	-.4°	83.°	-.2°
Ratio	0.762	0.973	0.761	-0.1	0.97	-0.3

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/4/2017	Degrees/%	1/4/2017	Degrees/%
CP	32.4	20.5	1700		2345	
Tower 1			30.5		21.5	
Phase	-111.1°	-97.3°	-110.6°	.5°	-96.4°	.9°
Ratio	0.681	0.383	0.677	-0.6	0.376	-1.8
Tower 2					20.7	
Phase	.°	.°	1.°		.°	
Ratio	1	1	0		1	
Tower 3						
Phase	129.8°	106.9°	128.7°	-1.1°	106.8°	-.1°
Ratio	0.48	0.544	0.49	2.1	0.55	1.1
Tower 4						
Phase	-145.°	-117.4°	-146.3°	-1.3°	-117.4°	.°
Ratio	0.432	0.358	0.428	-0.9	0.355	-0.8
Tower 5						
Phase	-43.5°	-28.1°	-44.9°	-1.4°	-26.5°	1.6°
Ratio	1.288	1.549	1.305	1.3	1.545	-0.3
Tower 6						
Phase	65.2°	83.2°	64.3°	-.9°	84.°	.8°
Ratio	0.762	0.973	0.771	1.2	0.986	1.3

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/5/2017	Degrees/%	1/5/2017	Degrees/%
CP	32.4	20.5	30.8		21.2	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-96.8°	.5°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.9°	-.9°	107.°	.1°
Ratio	0.48	0.544	0.481	0.2	0.545	0.2
Tower 4						
Phase	-145.°	-117.4°	-146.5°	-1.5°	-117.2°	.2°
Ratio	0.432	0.358	0.428	-0.9	0.355	-0.8
Tower 5						
Phase	-43.5°	-28.1°	-44.7°	-1.2°	-26.7°	1.4°
Ratio	1.288	1.549	1.296	0.6	1.542	-0.5
Tower 6						
Phase	65.2°	83.2°	63.9°	-1.3°	83.6°	.4°
Ratio	0.762	0.973	0.775	1.7	0.986	1.3

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/6/2017	Degrees/%	1/6/2017	Degrees/%
CP	32.4	20.5	730		650	
Tower 1			31.1		20.8	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.1°	.2°
Ratio	0.681	0.383	0.677	-0.6	0.382	-0.3
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1.002	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.6°	-.3°
Ratio	0.48	0.544	0.481	0.2	0.547	0.6
Tower 4						
Phase	-145.°	-117.4°	-146.3°	-1.3°	-117.°	.4°
Ratio	0.432	0.358	0.432	0.0	0.358	0.0
Tower 5						
Phase	-43.5°	-28.1°	-44.5°	-1.°	-26.7°	1.4°
Ratio	1.288	1.549	1.299	0.9	1.547	-0.1
Tower 6						
Phase	65.2°	83.2°	64.1°	-1.1°	84.3°	1.1°
Ratio	0.762	0.973	0.771	1.2	0.979	0.6

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/7/2017	Degrees/%	1/7/2017	Degrees/%
CP	32.4	20.5	845		850	
Tower 1			30.5		20.4	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.1°	.2°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1.002	
Tower 3						
Phase	129.8°	106.9°	129.3°	-.5°	106.8°	-.1°
Ratio	0.48	0.544	0.482	0.4	0.545	0.2
Tower 4						
Phase	-145.°	-117.4°	-145.4°	-.4°	-117.2°	.2°
Ratio	0.432	0.358	0.43	-0.5	0.355	-0.8
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-.6°	-26.8°	1.2°
Ratio	1.288	1.549	1.299	0.9	1.544	-0.3
Tower 6						
Phase	65.2°	83.2°	64.1°	-1.1°	83.6°	.4°
Ratio	0.762	0.973	0.766	0.5	0.981	0.8

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/8/2017	Degrees/%	1/8/2017	Degrees/%
CP	32.4	20.5	715		710	
Tower 1			30.6		20.3	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.8°	-.6°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1.002	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.4°	-.5°
Ratio	0.48	0.544	0.481	0.2	0.549	0.9
Tower 4						
Phase	-145.°	-117.4°	-146.2°	-1.2°	-117.°	.4°
Ratio	0.432	0.358	0.432	0.0	0.358	0.0
Tower 5						
Phase	-43.5°	-28.1°	-43.6°	-.1°	-26.5°	1.6°
Ratio	1.288	1.549	1.296	0.6	1.54	-0.6
Tower 6						
Phase	65.2°	83.2°	64.5°	-.7°	83.8°	.6°
Ratio	0.762	0.973	0.771	1.2	0.982	0.9

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/9/2017	Degrees/%	1/9/2017	Degrees/%
CP	32.4	20.5	715		710	
Tower 1			30.7		20.3	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.5°	-.2°
Ratio	0.681	0.383	0.677	-0.6	0.378	-1.3
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.9°	-.9°	106.8°	-.1°
Ratio	0.48	0.544	0.475	-1.0	0.54	-0.7
Tower 4						
Phase	-145.°	-117.4°	-145.8°	-.8°	-117.°	.4°
Ratio	0.432	0.358	0.423	-2.1	0.358	0.0
Tower 5						
Phase	-43.5°	-28.1°	-45.°	-1.5°	-26.9°	1.2°
Ratio	1.288	1.549	1.292	0.3	1.54	-0.6
Tower 6						
Phase	65.2°	83.2°	63.6°	-1.6°	83.6°	.4°
Ratio	0.762	0.973	0.764	0.3	0.97	-0.3

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/10/2017	Degrees/%	1/10/2017	Degrees/%
CP	32.4	20.5	820		825	
Tower 1			31		20.4	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.5°	-.2°
Ratio	0.681	0.383	0.677	-0.6	0.376	-1.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.8°	-.1°
Ratio	0.48	0.544	0.477	-0.6	0.545	0.2
Tower 4						
Phase	-145.°	-117.4°	-146.5°	-1.5°	-117.2°	.2°
Ratio	0.432	0.358	0.432	0.0	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.9°	-1.4°	-27.1°	1.°
Ratio	1.288	1.549	1.291	0.2	1.538	-0.7
Tower 6						
Phase	65.2°	83.2°	64.3°	-.9°	83.8°	.6°
Ratio	0.762	0.973	0.771	1.2	0.981	0.8

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/11/2017	Degrees/%	1/11/2017	Degrees/%
CP	32.4	20.5	715		710	
			30.6		22.2	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.7°	-.4°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.8°	-.1°
Ratio	0.48	0.544	0.484	0.8	0.547	0.6
Tower 4						
Phase	-145.°	-117.4°	-146.2°	-1.2°	-117.2°	.2°
Ratio	0.432	0.358	0.433	0.2	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-.6°	-26.7°	1.4°
Ratio	1.288	1.549	1.296	0.6	1.547	-0.1
Tower 6						
Phase	65.2°	83.2°	64.1°	-1.1°	84.°	.8°
Ratio	0.762	0.973	0.768	0.8	0.981	0.8

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/12/2017	Degrees/%	1/12/2017	Degrees/%
CP	32.4	20.5	715		710	
			30.9		22.8	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.7°	-.4°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.7°	-1.1°	106.8°	-.1°
Ratio	0.48	0.544	0.484	0.8	0.549	0.9
Tower 4						
Phase	-145.°	-117.4°	-146.3°	-1.3°	-116.8°	.6°
Ratio	0.432	0.358	0.426	-1.4	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.8°	-1.3°	-26.5°	1.6°
Ratio	1.288	1.549	1.301	1.0	1.542	-0.5
Tower 6						
Phase	65.2°	83.2°	64.7°	-.5°	83.6°	.4°
Ratio	0.762	0.973	0.777	2.0	0.977	0.4

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/13/2017	Degrees/%	1/13/2017	Degrees/%
CP	32.4	20.5	31.4		22.2	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.1°	.2°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.4°	-.4°	106.8°	-.1°
Ratio	0.48	0.544	0.477	-0.6	0.55	1.1
Tower 4						
Phase	-145.°	-117.4°	-145.6°	-.6°	-117.2°	.2°
Ratio	0.432	0.358	0.426	-1.4	0.358	0.0
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-.6°	-27.1°	1.°
Ratio	1.288	1.549	1.292	0.3	1.54	-0.6
Tower 6						
Phase	65.2°	83.2°	63.6°	-1.6°	83.2°	.°
Ratio	0.762	0.973	0.764	0.3	0.975	0.2

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/14/2017	Degrees/%	1/14/2017	Degrees/%
CP	32.4	20.5	31.1		22.6	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-96.9°	.4°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.6°	-.3°
Ratio	0.48	0.544	0.479	-0.2	0.549	0.9
Tower 4						
Phase	-145.°	-117.4°	-145.4°	-.4°	-117.4°	.°
Ratio	0.432	0.358	0.43	-0.5	0.355	-0.8
Tower 5						
Phase	-43.5°	-28.1°	-43.9°	-.4°	-26.7°	1.4°
Ratio	1.288	1.549	1.299	0.9	1.544	-0.3
Tower 6						
Phase	65.2°	83.2°	64.1°	-1.1°	84.°	.8°
Ratio	0.762	0.973	0.775	1.7	0.984	1.1

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/15/2017	Degrees/%	1/15/2017	Degrees/%
CP	32.4	20.5	715		710	
Tower 1			30.5		20.8	
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.3°	.°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.4°	-1.4°	106.6°	-.3°
Ratio	0.48	0.544	0.477	-0.6	0.549	0.9
Tower 4						
Phase	-145.°	-117.4°	-146.°	-1.°	-117.4°	.°
Ratio	0.432	0.358	0.428	-0.9	0.358	0.0
Tower 5						
Phase	-43.5°	-28.1°	-44.8°	-1.3°	-26.5°	1.6°
Ratio	1.288	1.549	1.299	0.9	1.545	-0.3
Tower 6						
Phase	65.2°	83.2°	64.1°	-1.1°	83.8°	.6°
Ratio	0.762	0.973	0.766	0.5	0.982	0.9

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/16/2017	Degrees/%	1/16/2017	Degrees/%
CP	32.4	20.5	30.4		21.5	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.5°	-.2°
Ratio	0.681	0.383	0.677	-0.6	0.382	-0.3
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.4°	-.4°	106.4°	-.5°
Ratio	0.48	0.544	0.481	0.2	0.547	0.6
Tower 4						
Phase	-145.°	-117.4°	-145.5°	-.5°	-117.2°	.2°
Ratio	0.432	0.358	0.43	-0.5	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.4°	-.9°	-26.7°	1.4°
Ratio	1.288	1.549	1.298	0.8	1.54	-0.6
Tower 6						
Phase	65.2°	83.2°	63.7°	-1.5°	83.6°	.4°
Ratio	0.762	0.973	0.762	0.0	0.977	0.4

	Lic Day	Lic Night	Day	Difference	Night	Difference
Date			1/17/2017	Degrees/%	1/17/2017	Degrees/%
Time			715		710	
CP	32.4	20.5	30.2		20.1	
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	.5°	-97.3°	.°
Ratio	0.681	0.383	0.677	-0.6	0.38	-0.8
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.4°	-5°
Ratio	0.48	0.544	0.482	0.4	0.547	0.6
Tower 4						
Phase	-145.°	-117.4°	-146.2°	-1.2°	-117.1°	.3°
Ratio	0.432	0.358	0.432	0.0	0.357	-0.3
Tower 5						
Phase	-43.5°	-28.1°	-44.°	-5°	-26.5°	1.6°
Ratio	1.288	1.549	1.303	1.2	1.54	-0.6
Tower 6						
Phase	65.2°	83.2°	64.1°	-1.1°	83.2°	.°
Ratio	0.762	0.973	0.77	1.0	0.982	0.9

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/18/2017	Degrees/%	1/18/2017	Degrees/%
CP	32.4	20.5	715		710	
Tower 1			31.6		20	
Phase	-111.1°	-97.3°	-110.6°	0.5°	-96.5°	0.8°
Ratio	0.681	0.383	0.677	-0.6%	0.378	-1.3%
Tower 2						
Phase	.°	.°	.°		.°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.9°	-0.9°	106.4°	-0.5°
Ratio	0.48	0.544	0.479	-0.2%	0.552	1.5%
Tower 4						
Phase	-145.°	-117.4°	-146.°	-1.0°	-117.2°	0.2°
Ratio	0.432	0.358	0.435	0.7%	0.357	-0.3%
Tower 5						
Phase	-43.5°	-28.1°	-43.9°	-0.4°	-26.5°	1.6°
Ratio	1.288	1.549	1.299	0.9%	1.545	-0.3%
Tower 6						
Phase	65.2°	83.2°	63.7°	-1.5°	83.8°	0.6°
Ratio	0.762	0.973	0.768	0.8%	0.979	0.6%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/19/2017	Degrees/%	1/19/2017	Degrees/%
CP	32.4	20.5	715		710	
Tower 1			32	-1.2%	20.3	-1.0%
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.5°	-0.2°
Ratio	0.681	0.383	0.677	-0.6%	0.376	-1.8%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.1°	-0.7°	106.8°	-0.1°
Ratio	0.48	0.544	0.484	0.8%	0.547	0.6%
Tower 4						
Phase	-145.°	-117.4°	-145.7°	-0.7°	-117.2°	0.2°
Ratio	0.432	0.358	0.428	-0.9%	0.353	-1.4%
Tower 5						
Phase	-43.5°	-28.1°	-43.7°	-0.1°	-26.9°	1.2°
Ratio	1.288	1.549	1.31	1.7%	1.538	-0.7%
Tower 6						
Phase	65.2°	83.2°	63.6°	-1.6°	83.8°	0.6°
Ratio	0.762	0.973	0.771	1.2%	0.981	0.8%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/20/2017	Degrees/%	1/20/2017	Degrees/%
CP	32.4	20.5	715 31.4	-3.1%	710 20.7	1.0%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-96.8°	0.5°
Ratio	0.681	0.383	0.677	-0.6%	0.378	-1.3%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.5°	-1.3°	106.8°	-0.1°
Ratio	0.48	0.544	0.477	-0.6%	0.545	0.2%
Tower 4						
Phase	-145.°	-117.4°	-145.5°	-0.5°	-116.6°	0.8°
Ratio	0.432	0.358	0.432	0.0%	0.358	0.0%
Tower 5						
Phase	-43.5°	-28.1°	-44.°	-0.5°	-26.5°	1.6°
Ratio	1.288	1.549	1.298	0.8%	1.544	-0.3%
Tower 6						
Phase	65.2°	83.2°	63.7°	-1.5°	83.6°	0.4°
Ratio	0.762	0.973	0.768	0.8%	0.979	0.6%

	Lic Day	Lic Night	Day	Difference	Night	Difference
Date			1/21/2017	Degrees/%	1/21/2017	Degrees/%
Time			715		710	
CP	32.4	20.5	31.4	-3.1%	20.6	0.5%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.5°	-0.2°
Ratio	0.681	0.383	0.677	-0.6%	0.38	-0.8%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.3°	-0.5°	106.8°	-0.1°
Ratio	0.48	0.544	0.477	-0.6%	0.543	-0.2%
Tower 4						
Phase	-145.°	-117.4°	-146.0°	-1.0°	-116.8°	0.6°
Ratio	0.432	0.358	0.424	-1.9%	0.357	-0.3%
Tower 5						
Phase	-43.5°	-28.1°	-44.°	-0.5°	-27.1°	1.0°
Ratio	1.288	1.549	1.298	0.8%	1.545	-0.3%
Tower 6						
Phase	65.2°	83.2°	64.5°	-0.7°	84.°	0.8°
Ratio	0.762	0.973	0.768	0.8%	0.979	0.6%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/22/2017	Degrees/%	1/22/2017	Degrees/%
CP	32.4	20.5	715 31.1	-4.0%	710 20.6	0.5%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.3°	0.0°
Ratio	0.681	0.383	0.677	-0.6%	0.382	-0.3%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.1°	-0.7°	106.4°	-0.5°
Ratio	0.48	0.544	0.479	-0.2%	0.545	0.2%
Tower 4						
Phase	-145.°	-117.4°	-146.2°	-1.2°	-117.4°	0.0°
Ratio	0.432	0.358	0.43	-0.5%	0.355	-0.8%
Tower 5						
Phase	-43.5°	-28.1°	-44.6°	-1.1°	-26.7°	1.4°
Ratio	1.288	1.549	1.299	0.9%	1.547	-0.1%
Tower 6						
Phase	65.2°	83.2°	64.5°	-0.7°	83.6°	0.4°
Ratio	0.762	0.973	0.768	0.8%	0.977	0.4%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/23/2017	Degrees/%	1/23/2017	Degrees/%
CP	32.4	20.5	715 31.9	-1.5%	710 20.3	-1.0%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-96.4°	0.9°
Ratio	0.681	0.383	0.677	-0.6%	0.375	-2.1%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.3°	-0.5°	107.°	0.1°
Ratio	0.48	0.544	0.493	2.7%	0.556	2.2%
Tower 4						
Phase	-145.°	-117.4°	-146.0°	-1.0°	-117.4°	0.0°
Ratio	0.432	0.358	0.433	0.2%	0.353	-1.4%
Tower 5						
Phase	-43.5°	-28.1°	-43.7°	-0.1°	-26.°	2.1°
Ratio	1.288	1.549	1.321	2.6%	1.551	0.1%
Tower 6						
Phase	65.2°	83.2°	65.2°	0.0°	84.9°	1.7°
Ratio	0.762	0.973	0.775	1.7%	0.979	0.6%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/24/2017	Degrees/%	1/24/2017	Degrees/%
CP	32.4	20.5	715 31.4	-3.1%	710 20.7	1.0%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.7°	-0.4°
Ratio	0.681	0.383	0.677	-0.6%	0.376	-1.8%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.1°	-0.7°	107.°	0.1°
Ratio	0.48	0.544	0.479	-0.2%	0.55	1.1%
Tower 4						
Phase	-145.°	-117.4°	-146.0°	-1.0°	-116.9°	0.5°
Ratio	0.432	0.358	0.432	0.0%	0.353	-1.4%
Tower 5						
Phase	-43.5°	-28.1°	-44.4°	-0.9°	-26.3°	1.8°
Ratio	1.288	1.549	1.316	2.2%	1.545	-0.3%
Tower 6						
Phase	65.2°	83.2°	65.4°	0.2°	84.5°	1.3°
Ratio	0.762	0.973	0.768	0.8%	0.979	0.6%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/25/2017	Degrees/%	1/25/2017	Degrees/%
CP	32.4	20.5	715 31.8	-1.9%	710 20.7	1.0%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-96.9°	0.4°
Ratio	0.681	0.383	0.677	-0.6%	0.376	-1.8%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.1°	-0.7°	107.°	0.1°
Ratio	0.48	0.544	0.482	0.4%	0.549	0.9%
Tower 4						
Phase	-145.°	-117.4°	-146.0°	-1.0°	-117.4°	0.0°
Ratio	0.432	0.358	0.433	0.2%	0.357	-0.3%
Tower 5						
Phase	-43.5°	-28.1°	-43.9°	-0.4°	-26.3°	1.8°
Ratio	1.288	1.549	1.305	1.3%	1.538	-0.7%
Tower 6						
Phase	65.2°	83.2°	64.7°	-0.5°	84.3°	1.1°
Ratio	0.762	0.973	0.771	1.2%	0.972	-0.1%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/27/2017	Degrees/%	1/27/2017	Degrees/%
CP	32.4	20.5	715 32.4	0.0%	710 20.2	-1.5%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.5°	-0.2°
Ratio	0.681	0.383	0.677	-0.6%	0.382	-0.3%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.4°	-0.4°	107.1°	0.2°
Ratio	0.48	0.544	0.481	0.2%	0.545	0.2%
Tower 4						
Phase	-145.°	-117.4°	-146.2°	-1.2°	-117.1°	0.3°
Ratio	0.432	0.358	0.428	-0.9%	0.357	-0.3%
Tower 5						
Phase	-43.5°	-28.1°	-44.6°	-1.1°	-26.3°	1.8°
Ratio	1.288	1.549	1.298	0.8%	1.54	-0.6%
Tower 6						
Phase	65.2°	83.2°	64.3°	-0.9°	83.8°	0.6°
Ratio	0.762	0.973	0.761	-0.1%	0.966	-0.7%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/28/2017	Degrees/%	1/28/2017	Degrees/%
CP	32.4	20.5	715 32.5	0.3%	710 20.4	-0.5%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.5°	-0.2°
Ratio	0.681	0.383	0.677	-0.6%	0.376	-1.8%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	128.9°	-0.9°	106.8°	-0.1°
Ratio	0.48	0.544	0.479	-0.2%	0.552	1.5%
Tower 4						
Phase	-145.°	-117.4°	-146.4°	-1.4°	-117.4°	0.0°
Ratio	0.432	0.358	0.433	0.2%	0.357	-0.3%
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-0.6°	-26.5°	1.6°
Ratio	1.288	1.549	1.303	1.2%	1.542	-0.5%
Tower 6						
Phase	65.2°	83.2°	65.°	-0.2°	84.°	0.8°
Ratio	0.762	0.973	0.775	1.7%	0.982	0.9%

Date	Lic Day	Lic Night	Day	Difference	Night	Difference
Time			1/29/2017	Degrees/%	1/29/2017	Degrees/%
CP	32.4	20.5	715 32.6	0.6%	710 20.8	1.5%
Tower 1						
Phase	-111.1°	-97.3°	-110.6°	0.5°	-97.7°	-0.4°
Ratio	0.681	0.383	0.677	-0.6%	0.384	0.3%
Tower 2						
Phase	.°	.°	0.0°		0.0°	
Ratio	1	1	1		1	
Tower 3						
Phase	129.8°	106.9°	129.3°	-0.5°	106.8°	-0.1°
Ratio	0.48	0.544	0.479	-0.2%	0.541	-0.6%
Tower 4						
Phase	-145.°	-117.4°	-145.8°	-0.8°	-117.1°	0.3°
Ratio	0.432	0.358	0.439	1.6%	0.358	0.0%
Tower 5						
Phase	-43.5°	-28.1°	-44.2°	-0.6°	-26.7°	1.4°
Ratio	1.288	1.549	1.299	0.9%	1.538	-0.7%
Tower 6						
Phase	65.2°	83.2°	64.3°	-0.9°	82.9°	-0.3°
Ratio	0.762	0.973	0.77	1.0%	0.97	-0.3%