

VOLTAGE MAPS

The 2 *Voltage Maps* are full resolution and can be “zoomed” for greater detail. The map keys define the color coding indicated on each map:

Red	Voltage < 116V
Green	Voltage between 116-118V
Black	Voltage > 118V

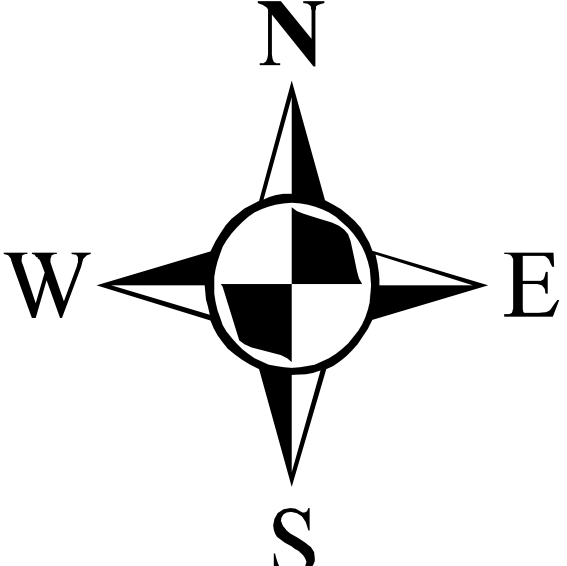
Map 1 depicts the 2006 system with 2006 loading (existing).

Map 2 depicts the 2010 system with 2010 loading (future) without the CWP system improvement projects completed.



2007-2009
CONSTRUCTION WORK PLAN
EXISTING DECEMBER 2005 SYSTEM

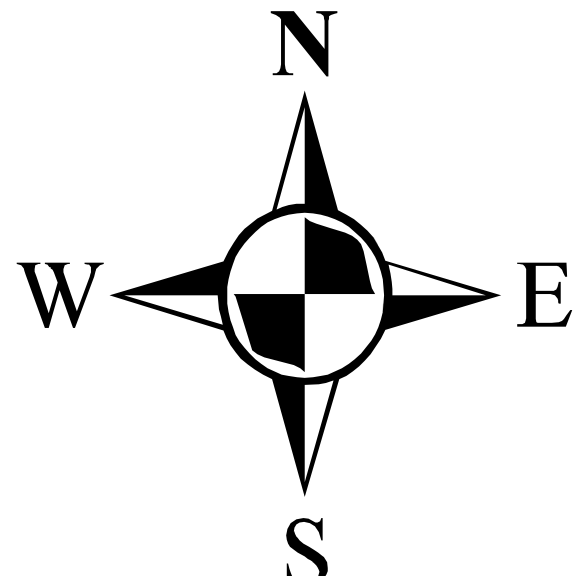
DATE	REVISIONS	BLUE GRASS ENERGY COOPERATIVE CORPORATION				MAP 1	
		NICHOLASVILLE, KENTUCKY				SYSTEM MAP	
		KENTUCKY 64 JESSAMINE				VOLTAGE	
		PATTERSON & DEWAR ENGINEERS, INC.		NORCROSS, GA		SHEET 1 OF 2	
		DWN BY: SR	CKD BY: DT	APPD BY:	DATE: OCTOBER-2006		



LEGEND	
	PROPOSED SUBSTATION
	EXISTING SUBSTATION
	PRIMARY DISTRIBUTION LINE
	VOLTAGE < 116
	VOLTAGE 116 - 118
	VOLTAGE > 118
	TAPS
	SUBSTATION BOUNDARY



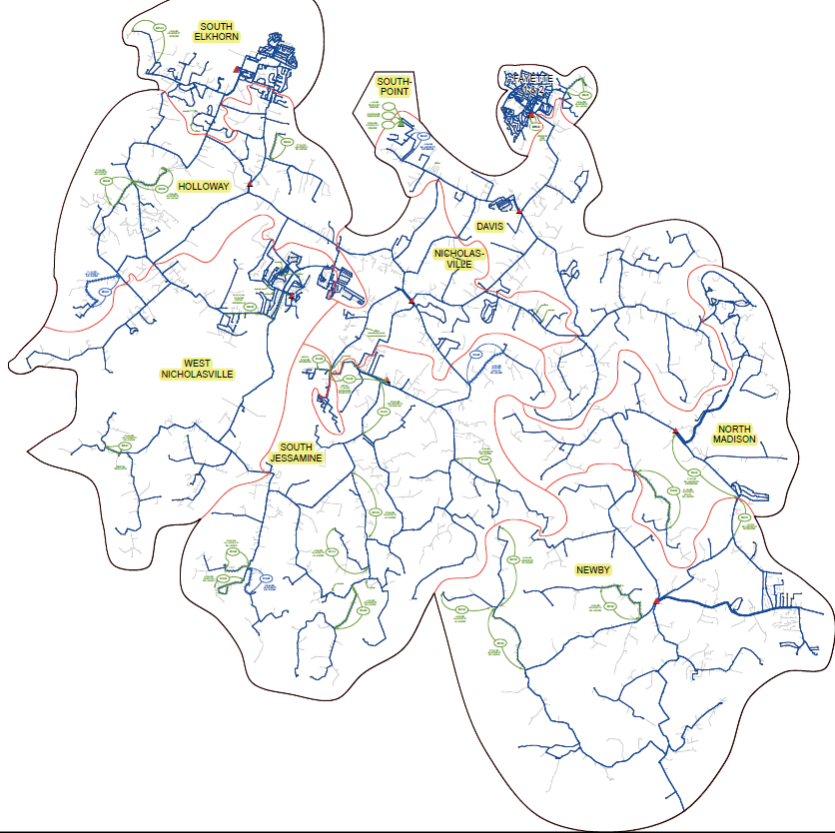
 PATTERSON & DEWAR ENGINEERS, INC. 850 CENTER WAY, NORCROSS, GEORGIA 30071 PHONE: (770) 453-1410 FAX: (770) 453-1411 www.pd-engineers.com ENGINEERS - SURVEYORS	DATE	REVISIONS		BLUE GRASS ENERGY COOPERATIVE CORPORATION NICHOLASVILLE, KENTUCKY KENTUCKY 64 JESSAMINE		MAP 1	
						SYSTEM MAP	
						VOLTAGE GROWN	
				PATTERSON & DEWAR ENGINEERS, INC.		NORCROSS, GA	
				DWN BY: SR	CKD BY: DT	APPD BY:	DATE: OCTOBER-2006
							SHEET 2 OF 2



- LEGEND**
- ▲ PROPOSED SUBSTATION
 - ▲ EXISTING SUBSTATION
 - PRIMARY DISTRIBUTION LINE
 - VOLTAGE < 116
 - VOLTAGE 116 - 118
 - VOLTAGE > 118
 - TAPS
 - SUBSTATION BOUNDARY

SAMPLE CIRCUIT DIAGRAM MAPS WITH PROJECTS

The following 4 maps are “screen-shots” of the actual maps as said maps are +/- 8 MB in their native format. Said maps can / will be supplied via CD upon request.



DATE	REVISIONS

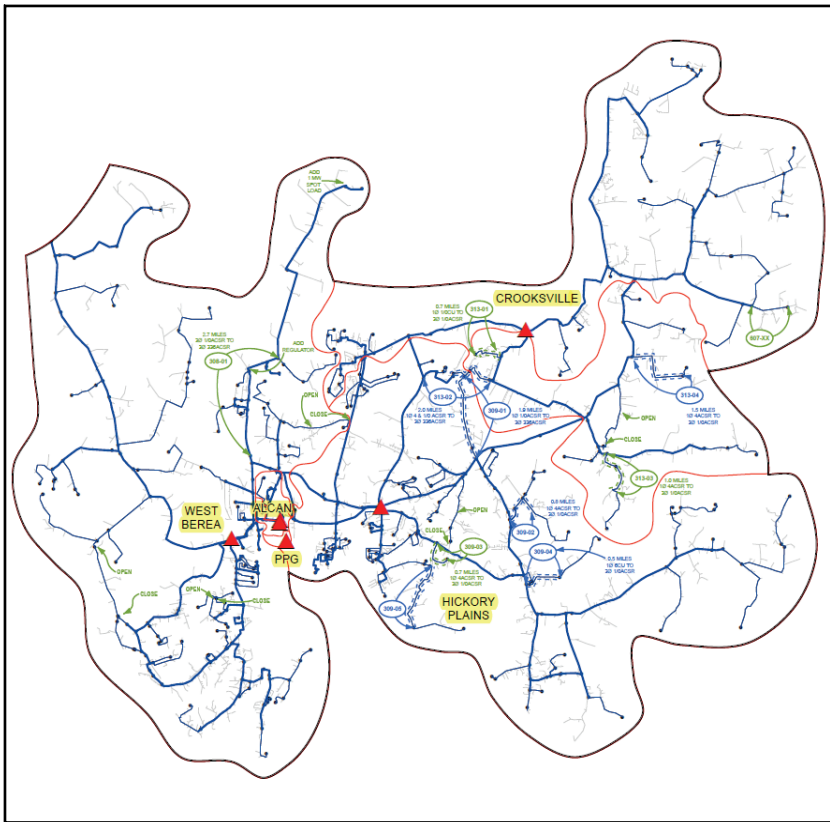
BLUE GRASS ENERGY COOPERATIVE CORPORATION NICHOLASVILLE, KENTUCKY KENTUCKY 40301			
PATTERSON & OSBORN ENGINEERS, INC.			
DESIGN BY: BCI	CHECKED BY: JCT	APPROVED BY: [Signature]	DATE: 10/10/2018 (REV)

MAP 1
WORK PLAN
SHEET 3 OF 4



LEGEND

- PROPOSED SUBSTATION
- EXISTING SUBSTATION
- PRIMARY DISTRIBUTION LINE
- SINGLE PHASE 120KV
- TWO PHASE 25KV
- TWO PHASE 12KV
- THREE PHASE 25KV
- THREE PHASE 12KV
- TAPS
- SUBSTATION BOUNDARY



DATE	REVISIONS

**BLUE GRASS ENERGY
COOPERATIVE CORPORATION**
NICHOLASVILLE, KENTUCKY
KENTUCKY RE-EGRESS

PATTERSON & OWENS ENGINEERS, INC. NICHOLASVILLE, KY
DRAWN BY: SA CHECKED BY: ST APPROVED BY: DATE: OCTOBER 1998

MAP 1

WORK PLAN

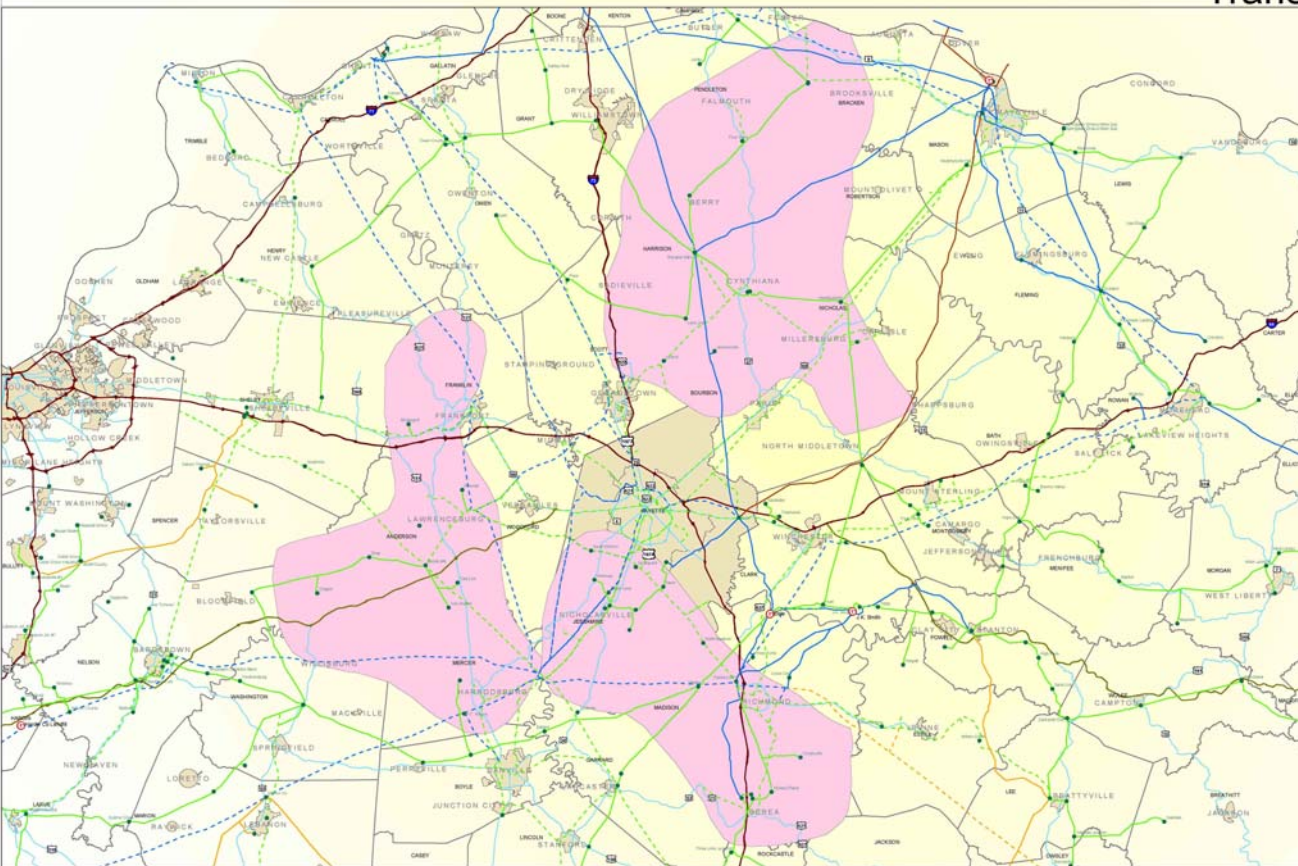
SHEET 4 OF 4



LEGEND

- ▲ PROPOSED SUBSTATION
- ▲ EXISTING SUBSTATION
- PRIMARY DISTRIBUTION LINE
- SINGLE PHASE 20KV
- SINGLE PHASE 12KV
- TWO PHASE 20KV
- TWO PHASE 12KV
- THREE PHASE 20KV
- THREE PHASE 12KV
- DATA
- UNIDENTIFIED OR UNKNOWN

Blue Grass Area Transmission System

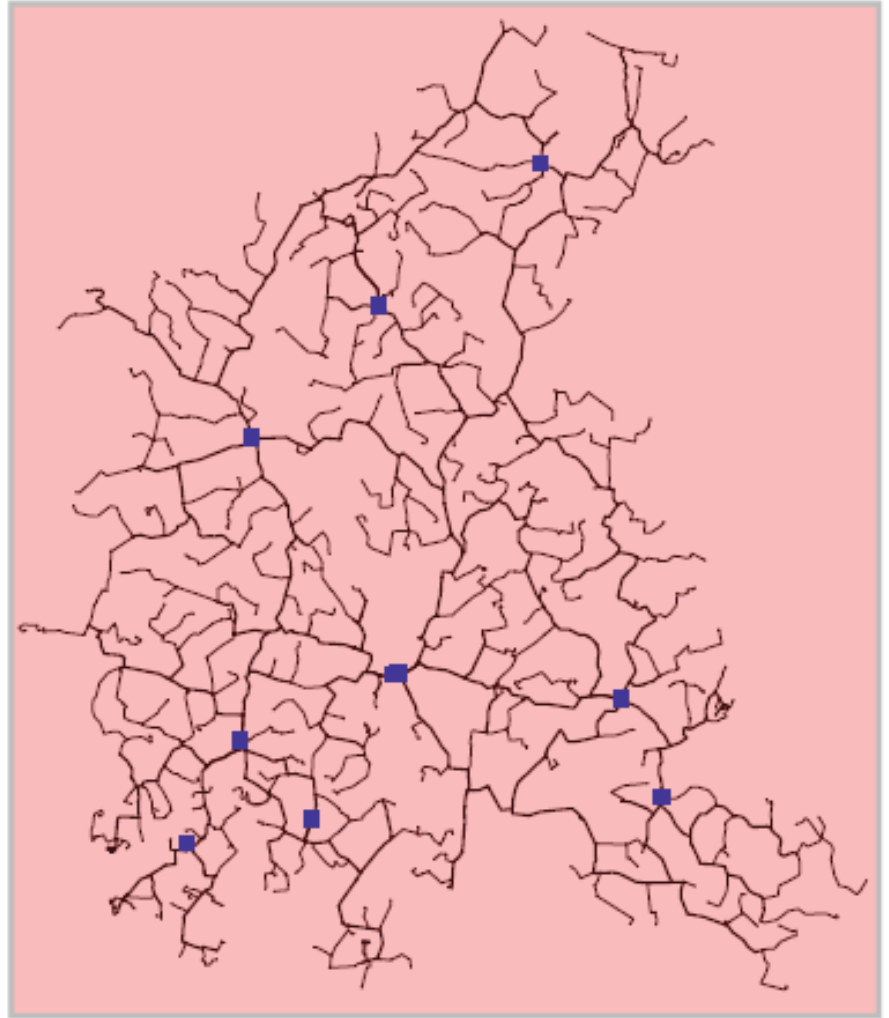


Legend

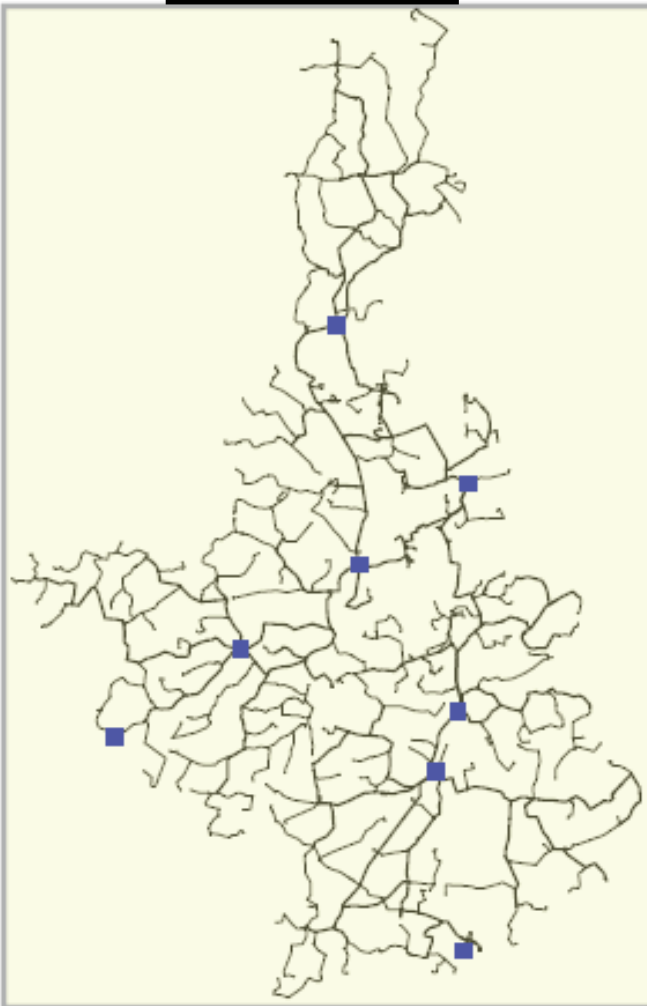
- EKPC Substation
- ⊙ EKPC Generation Plant
- EKPC Transmission**
 - EKPC 69 kV
 - EKPC 138 kV
 - EKPC 161 kV
 - EKPC 345 kV
- Foreign Transmission**
 - - - KU 69 kV
 - - - KU 138 kV
 - - - KU 161 kV

0 4.5 9 18 27 36 Miles

Harrison Area



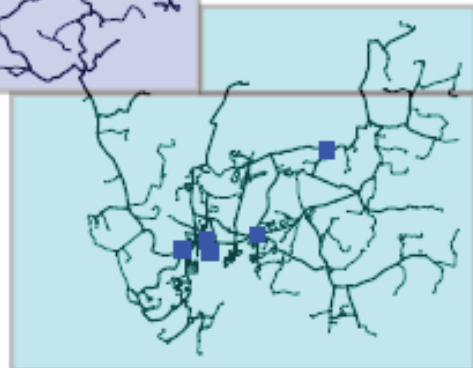
Fox Creek Area



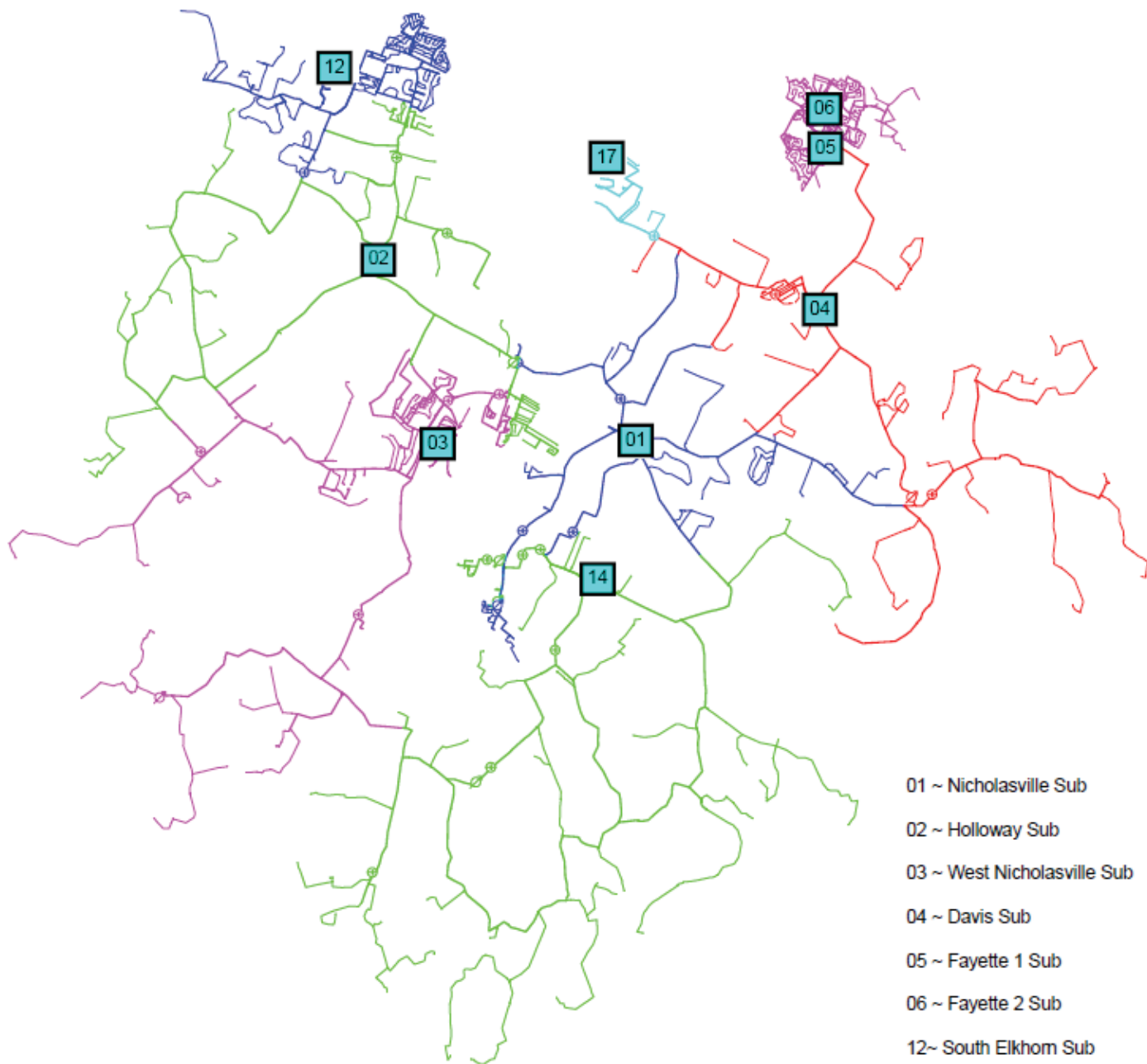
Nicholasville Area



Madison Area



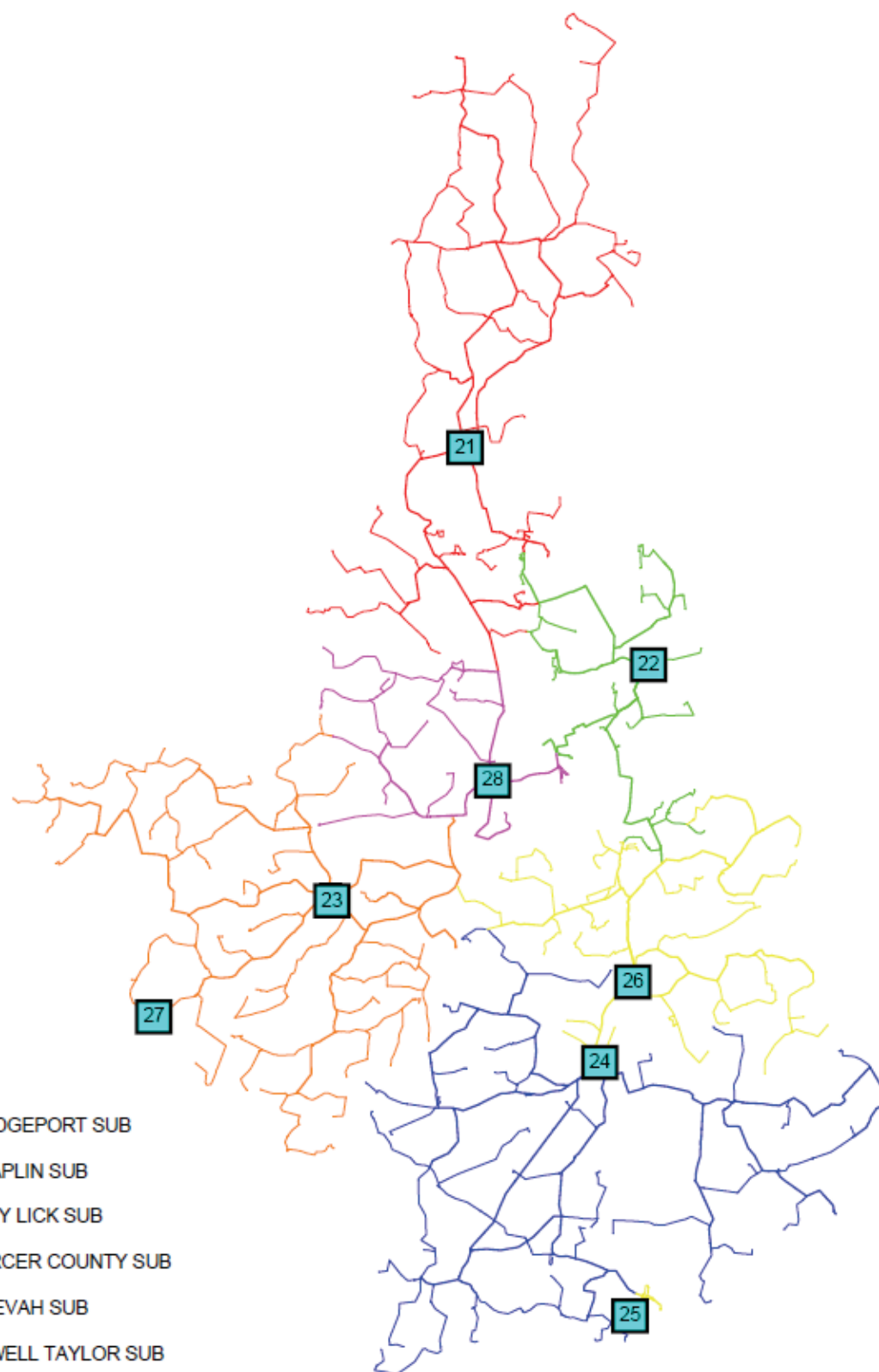
BLUE GRASS ENERGY
Nicholasville District



- 01 ~ Nicholasville Sub
- 02 ~ Holloway Sub
- 03 ~ West Nicholasville Sub
- 04 ~ Davis Sub
- 05 ~ Fayette 1 Sub
- 06 ~ Fayette 2 Sub
- 12~ South Elkhorn Sub
- 14 ~ South Jessamine Sub
- 17 ~ Southpoint Sub

BLUE GRASS ENERGY

Fox Creek District



21 ~ BRIDGEPORT SUB

27 ~ CHAPLIN SUB

26 ~ CLAY LICK SUB

25 ~ MERCER COUNTY SUB

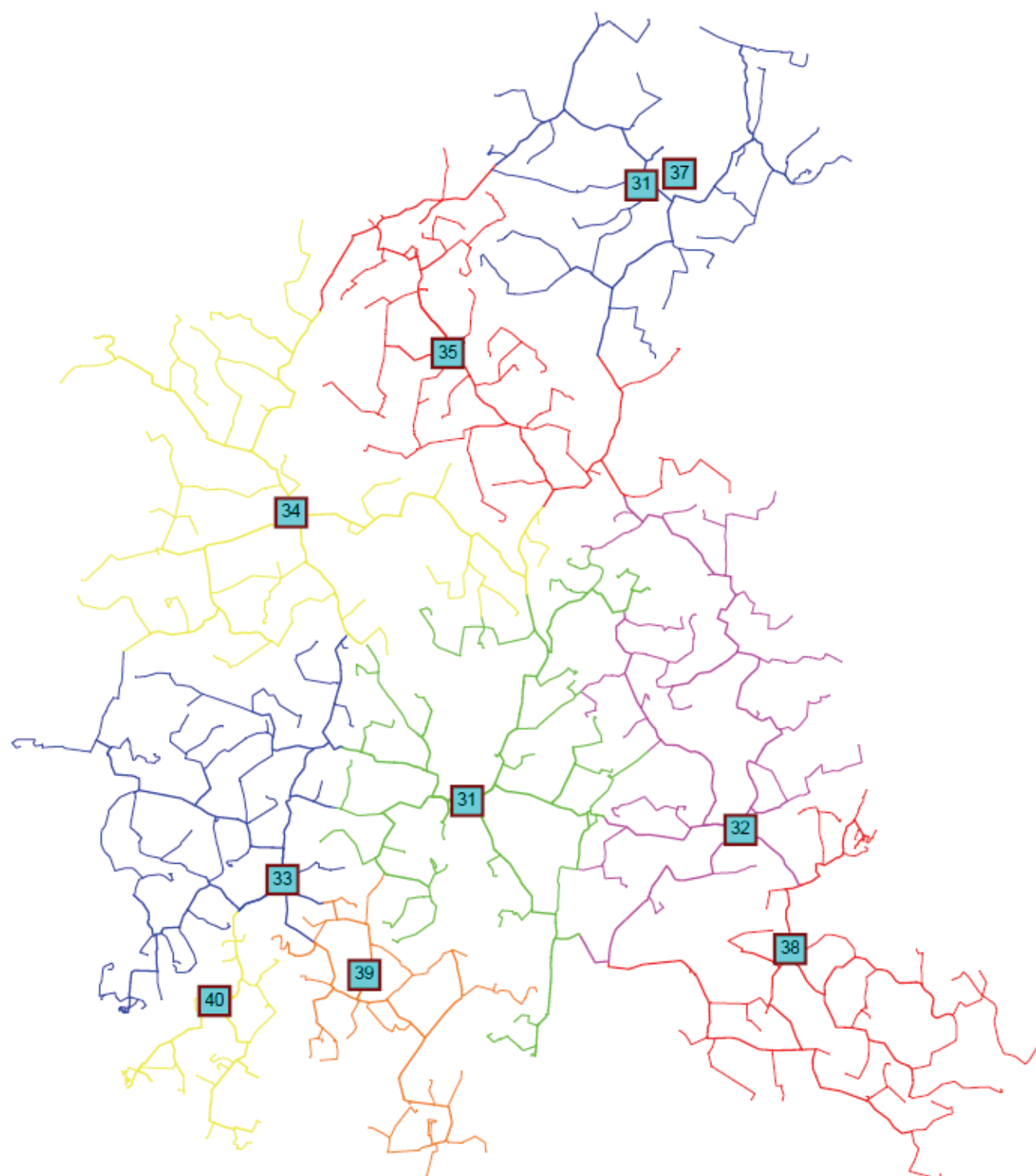
22 ~ NINEVAH SUB

28 ~ POWELL TAYLOR SUB

23 ~ SINAI SUB

24 ~ VAN ARSDELL SUB

BLUE GRASS ENERGY
Harrison District



31 ~ BRACKEN COUNTY SUB

35 ~ FOUR OAKS SUB

34 ~ COLEMANSVILLE SUB

31 ~ CYNTHIANA SUB

37 ~ 3M SUB

33 ~ LEE'S LICK SUB

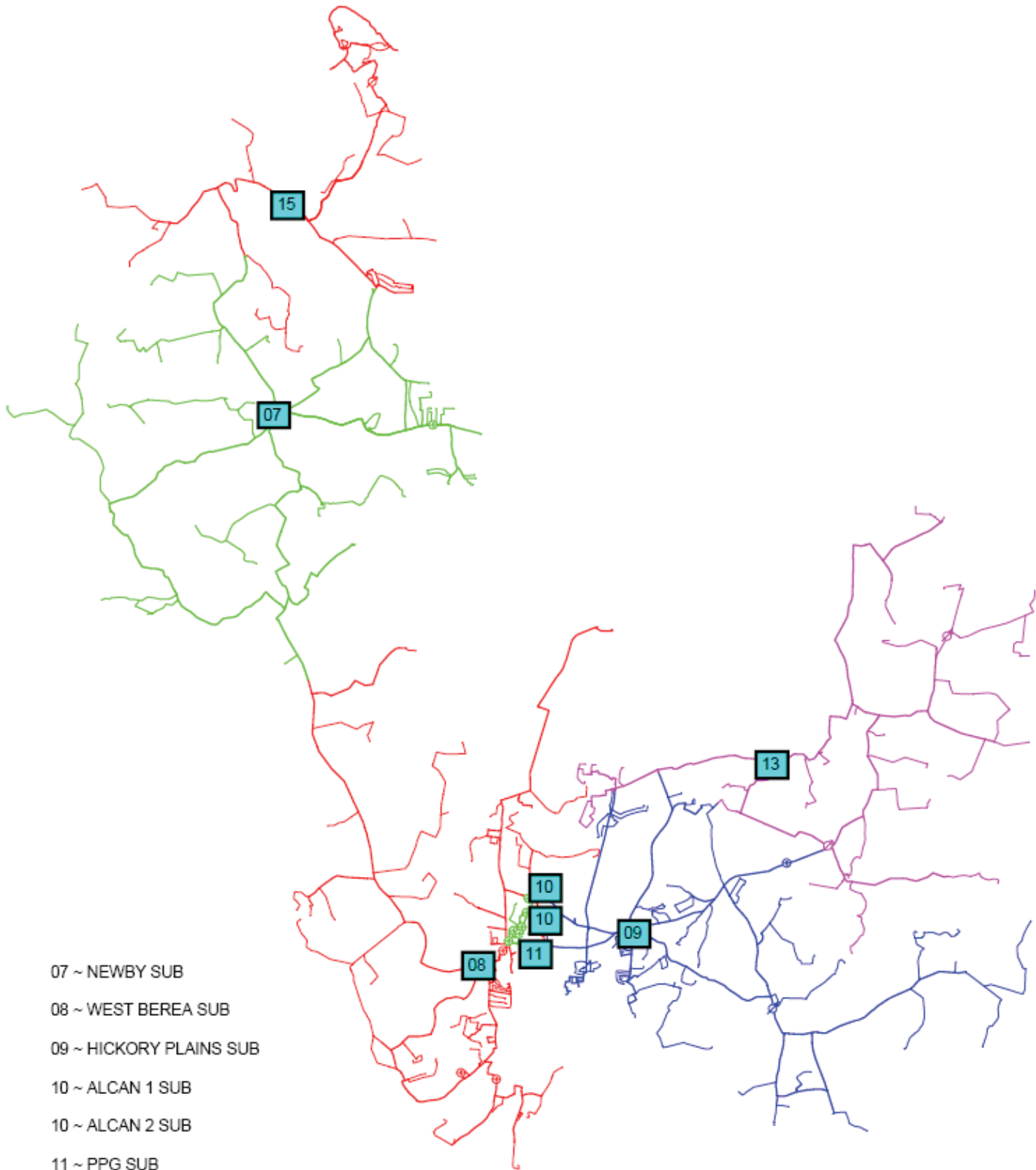
39 ~ JACKSONVILLE SUB

40 ~ OXFORD SUB

32 ~ HEADQUARTERS SUB

38 ~ MILLERSBURG SUB

BLUE GRASS ENERGY
Madison District



- 07 ~ NEWBY SUB
- 08 ~ WEST BEREAS SUB
- 09 ~ HICKORY PLAINS SUB
- 10 ~ ALCAN 1 SUB
- 10 ~ ALCAN 2 SUB
- 11 ~ PPG SUB
- 13 ~ CROOKSVILLE SUB
- 15 ~ NORTH MADISON SUB