

53.64(c) (10) A schematic system map, locating and identifying by name, the pressure and capacity of all interstate or intrastate transmission pipeline connections, compressor stations, utility transmission or distribution mains 6 inch or larger in size, storage facilities, including maximum daily injection and withdrawal rates, production fields, and each individual supply or transportation customer which represents 5% or more of total system throughput in a month. Each customer or account shall be identified solely by a unique alphanumeric code, the key to which may be provided subject to § 5.423.

Response:

The schematic "Pipeline Connections, Supply Points and Storage Locations" provides an overview of Columbia Gas of Pennsylvania's (CPA) supply configuration. The following responses and related exhibits reference the schematic by unique numeric codes and more fully address the points of interest detailed in question 10.

- 1) Supply Pipelines - see Exhibit No. 10.1

Supply pipeline companies are coded on the schematic and identified by name and a unique numeric code in Exhibit 10.1. Compressor stations are owned and operated by the respective transmission companies. As a result, compressor station operating pressures and capacities are unknown to CPA. CPA does own and operate one compressor at its Blackhawk peak shaving storage facility (see item 4).

- 2) Supply Connections - see Exhibits No. 10.2 A-B

- 3) Significant Distributions Mains (6 inch or larger) - see Exhibit No. 10.3 A-F

CPA provides the energy needs of over 429,000 residential, commercial and industrial customers located in over 70 isolated natural gas distribution systems, or markets (see Exhibit 10.2) located throughout Pennsylvania. Many, if not all, of these distribution systems contain 6 inch pipe operating at various approved pressures. Providing detailed operating maps for these distribution systems would be a considerable task, both in terms of the number of maps required, and the difficulty in organizing them in a meaningful and understandable manner. However, a distribution main's significance is not only a function of its size, but also its operating pressure and its location within the system. A 6 inch high pressure main (for CPA a pressure greater than 60 psig) can deliver considerably more gas than a 6 inch low pressure main. In addition, a high pressure main is typically used to distribute natural gas from a supply point(s) to lower

pressure sub-systems within a given geographic region. Therefore, we are providing market drawings, which show significant distribution mains for CPA's major distribution systems. These drawings are from CPA's Supervisory Control and Data Acquisition system (SCADA).

4) Storage - see Exhibit 10.4

CPA owns and operates the Blackhawk underground storage facility located in Beaver County, Pennsylvania. It historically acted as a peak shaving facility for CPA. Due to the age, condition, and the upgrades/betterment required, CPA plans to retire Blackhawk from service over the next few years. Other underground storage supply is obtained through contracts noted in Exhibit 10.4.

5) Supply Connections Satisfying the 5% Condition - see Exhibit 10.5

6) CPA Customers Satisfying the 5% Condition - see Exhibit 10.6

Note that customers at schematic ID #17 & 29 are dual purpose customers. The meter acts as a supply point from the transmission company to CPA and as a delivery point from CPA to the customer. No other customers are served through these points.

EXHIBIT 10.1
CPA DIRECT TRANSMISSION SUPPLY POINTS

1. EQUITRANS GAS TRANSMISSION (EQ)
2. DOMINION ENERGY TRANSMISSION (DETI)
3. COLUMBIA GAS TRANSMISSION (TCO)
4. TEXAS EASTERN TRANSMISSION (TET)
5. TENNESSEE GAS PIPELINE (TGP)
6. TRANSCONTINENTAL GAS PIPE LINE (TRANSCO)
(SHOWN ON MAP BUT DOES NOT SERVE CPA)
7. NATIONAL FUEL GAS SUPPLY CORP (NFG)

EXHIBIT 10.2 A
CPA DIRECT TRANSMISSION SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>		<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY</u> <u>Dth/Day</u>	<u>PRESSURE</u> <u>PSIG</u>
ROCHESTER	20325	(16) TGP / KOPPEL	0	*
STATE COLLEGE	21305	(25) DETI / PLEASANT GAP	24,800	*
UNIONTOWN	70056	(26) TET / UNIONTOWN	11,753	*
UNIONTOWN	70579	(13) TET / ROCKWOOD	9,000	*
YORK	71219	(11) TET / EMIGSVILLE	0	*
STATE COLLEGE	71363	(12) TET / PLEASANT GAP	7,800	*
YORK	73200	TET CHAMBERSBURG	200	*
WARREN	329621	(27) NFG TO CPA @ WARREN	4,218	*
ROCHESTER	420062	(14) TGP / NEW CASTLE	16,000	*
ROCHESTER	420306	(15) TGP / BRADFORD WOODS	7,600	*
ROCHESTER	514010	(18) DETI / WARRENDALE	4,000	*
ROCHESTER	516110	(19) DETI / DARLINGTON	2,000	*
YORK	600054	(8) NORTH YORK	44,948	175
YORK	600055	YORK ST. HANOVER	1,541	300
YORK	600056	BALTIMORE ST., HANOVER	990	200
YORK	600057	RIDGE AVE HANOVER	9,402	300
YORK	600058	BECKMILL ROAD	9,372	200
YORK	600059	MCSHERRYSTOWN	361	75
YORK	600061	GLEN ROCK	3,309	75
YORK	600062	SHREWSBURY	3,777	75
YORK	600063	(9) EMIGSVILLE	40,126	550
YORK	600064	(10) ADMIRE	29,117	300
BRADFORD	600183	TUNA CROSS ROADS	400	75
BRADFORD	600184	DERRICK CITY	379	75
BRADFORD	600185	RED ROCK	165	75
BRADFORD	600186	LAFFERTY HOLLOW	2,432	75
BRADFORD	600187	CORWIN LANE	196	40
BRADFORD	600188	LEWIS RUN	2,008	75
NEW BETHLEHEM	600191	SUMMERVILLE	402	75
NEW BETHLEHEM	600192	WASH. & PENN NEW BETHLEHEM	506	60
NEW BETHLEHEM	600193	COL PA PIPE YARD NEW BETHLEHEM	451	60
NEW BETHLEHEM	600197	WEST MONTERY ROAD	362	50
NEW BETHLEHEM	600198	CHURCH YARD RIMERSBURG	252	50
EMLENTON	600199	FAIRVIEW MEASURING STATION	3,853	100
ROCHESTER	600202	ENON VALLEY	87	100
ROCHESTER	600203	WAMPUM WEST	618	75
ROCHESTER	600205	CHEWTON VILLAGE	206	200
ROCHESTER	600206	CHEWTON	27,694	200
ROCHESTER	600208	NEW CASTLE ROAD	700	200
ROCHESTER	600214	LACOCK STREET	4,140	200

EXHIBIT 10.2 A
CPA DIRECT TRANSMISSION SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>		<u>SUPPLY PT (SCHEMATIC ID)</u>	CAPACITY	PRESSURE
			<u>Dth/Day</u>	<u>PSIG</u>
ROCHESTER	600216	BISCUP LANE LINE D-272	1,316	150
ROCHESTER	600217	SULLIVAN PLAN	1,086	200
ROCHESTER	600218	HALL FARM	6,046	100
ROCHESTER	600219	(23) AMBRIDGE STA.	19,920	100
ROCHESTER	600221	CLINTON	600	75
WASHINGTON	600222	PARIS	286	50
WASHINGTON	600223	MIDWAY	853	50
MT LEBANON	600224	(20) MCCANDLESS	54,124	200
MT LEBANON	600226	T-P NOBLESTOWN	2,382	75
WASHINGTON	600227	NORTH STREET MCDONALD	291	75
WASHINGTON	600228	(21) CECIL GREENTREE	37,000	300
WASHINGTON	600229	PATTERSON MILLS	252	50
WASHINGTON	600230	AVELLA	205	50
WASHINGTON	600231	HICKORY LINE D-4	1,954	100
WASHINGTON	600232	SHARP FARM	11,546	250
WASHINGTON	600233	(22) TANNEHILL	47,689	300
WASHINGTON	600234	HOUSTON	862	75
WASHINGTON	600235	LINDEN	7,000	100
WASHINGTON	600236	MCMURRAY	984	100
WASHINGTON	600237	HIXON WALLACE	6,318	100
WASHINGTON	600238	GOAT HILL	20,288	100
WASHINGTON	600240	WEST ALEXANDER	376	75
WASHINGTON	600241	RUFFS CREEK	184	50
WASHINGTON	600242	WATER ST WAYNESBURG	205	5
UNIONTOWN	600243	SOUTH JEANNETTE	16,027	225
UNIONTOWN	600244	NORTH JEANNETTE	1,980	75
UNIONTOWN	600245	ADAMSBURG	9,831	225
UNIONTOWN	600246	ARMBURST(STARASKS)	0	0
UNIONTOWN	600247	WIGLE HILL	150	75
UNIONTOWN	600248	FISHER HIGHTS	3,828	75
UNIONTOWN	600249	KINDER FARM	6,599	50
UNIONTOWN	600250	ALLENPORT	8,000	60
WASHINGTON	600251	BEALLSVILLE	2,600	60
WASHINGTON	600252	MARIANA	972	75
UNIONTOWN	600254	WHITELY CREEK LINE D-8500	13,330	180
UNIONTOWN	600255	GRIMES FARM	941	150
UNIONTOWN	600257	RT219 (SOMERSET)	3,200	125
GREENCASTLE	600259	OAKS LEASE GREENCASTLE	1,393	90
GREENCASTLE	600260	SHADY GROVE	1,860	90
GREENCASTLE	600261	NUNNERY	166	110

EXHIBIT 10.2 A
CPA DIRECT TRANSMISSION SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>		<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY</u> <u>Dth/Day</u>	<u>PRESSURE</u> <u>PSIG</u>
GREENCASTLE	600262	KNEPPER	155	110
GREENCASTLE	600263	MONT ALTO	2,729	110
YORK	600264	CASHTOWN	391	90
YORK	600265	FAIRFIELD	700	90
YORK	600266	ARENDTSVILLE	368	90
YORK	600267	GETTYSBURG	9,262	165
YORK	600268	TWO TAVERNS	546	90
YORK	600269	LITTLESTOWN	1,813	90
YORK	600270	ABBOTTSTOWN	1,851	90
YORK	600271	EAST BERLIN	571	90
YORK	600277	CROSS KEYS	7,336	200
STATE COLLEGE	600279	(28) SNOWSHOE	6,208	420
ROCHESTER	600281	NEW GALILEE	305	35
NEW BETHLEHEM	600283	CLYMER	970	60
ROCHESTER	600447	GEORGETOWN	110	20
WASHINGTON	600451	BOWER HILL	92	100
ROCHESTER	600452	NERO PLAN	162	100
NEW BETHLEHEM	600453	EMERICKVILLE	478	55
ROCHESTER	600454	GLASGOW	44	20
EMLENTON	600457	YOUNG RIMERSBURG	64	50
ROCHESTER	600460	BIRNESSER	93	200
UNIONTOWN	600461	PRESTIGE FURNITURE JEANNETTE	201	75
BRADFORD	600462	DALLAS CITY	32	75
WASHINGTON	600463	BARTON WAYNESBURG	39	5
NEW BETHLEHEM	600466	FAIRMONT.MT.SAVAGE REFRACTOR\	193	60
NEW BETHLEHEM	600467	OAKRIDGE	104	60
NEW BETHLEHEM	600469	CLAIRION ROAD HAWTHRONE	157	5
NEW BETHLEHEM	600471	KOLLERSBURG ROAD OAKLAND	90	10
NEW BETHLEHEM	600472	VAULT WORKS OAKLAND	127	10
NEW BETHLEHEM	600473	SEMAN S BETHLEHEM	57	10
NEW BETHLEHEM	600475	BLACKWELL N BETHLEHEM	58	60
NEW BETHLEHEM	600476	SMITH HAWTHRONE	160	5
WASHINGTON	600478	GARDENER FARM	171	50
NEW BETHLEHEM	600479	PLEASANT HILLS	239	50
NEW BETHLEHEM	600480	MAPLE GROVE	61	50
NEW BETHLEHEM	600482	COTTAGE HILL NEW BETHLEHEM	95	60
WASHINGTON	600484	WEST MIDDLETOWN	110	50
WASHINGTON	600486	ROUTE 22	79	50
WASHINGTON	600492	THOMAS	146	100
WASHINGTON	600493	MERCHANT FARM	89	100

EXHIBIT 10.2 A
CPA DIRECT TRANSMISSION SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>		<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY</u> <u>Dth/Day</u>	<u>PRESSURE</u> <u>PSIG</u>
WASHINGTON	600494	BULGER	135	75
WASHINGTON	600495	CROSS CREEK	86	50
WASHINGTON	600498	SPARTA	13	50
WASHINGTON	600499	WAYNESBURG C S YARD	65	25
WASHINGTON	600502	RODGERSVILLE	123	5
WASHINGTON	600503	SUGAR RUN	116	50
WASHINGTON	600505	HICKORY	192	100
ROCHESTER	600506	MCCALISTER CROSSROADS	206	75
WASHINGTON	600508	SCENERY HILL EAST	32	100
UNIONTOWN	600509	VICTORY HILL	163	75
UNIONTOWN	600510	CENTERVILLE	181	75
UNIONTOWN	600513	MORRIS CROSSROADS	92	150
WASHINGTON	600516	WINDRIDGE	110	5
WASHINGTON	600519	LAIRD FARM	70	75
WASHINGTON	600530	EIGHTY FOUR	250	100
EMLENTON	600531	WEST SUNBURY	117	100
WASHINGTON	600535	SCENERY HILL WEST	132	100
EMLENTON	602280	F R BARTOE-CODY	0	0
UNIONTOWN	602281	N A BATYKEFER-WOODWARD	0	0
UNIONTOWN	602383	EVERLY-SACKETTE	0	0
WASHINGTON	602405	FORDYCE-WILSON	0	0
UNIONTOWN	602484	C R LOWSTUTER-BERRYMAN	0	0
ROCHESTER	602525	PEOPLES NATURAL BAER	0	0
EMLENTON	602598	R R WALKER-MCANALLEN	0	0
GREENCASTLE	603308	MERCERSBURG	1,200	140
ROCHESTER	604062	NIXON FARM	8,789	150
WASHINGTON	604583	WESTLAND	132	100
BRADFORD	604745	HIGHLAND. WARREN LINE D-4005	50	150
ROCHESTER	618370	SLIPPERY ROCK REQUIREMENTS	1,800	75
WASHINGTON	618774	GRAYSVILLE	146	5
ROCHESTER	619688	MONACA	24,298	200
UNIONTOWN	619856	PRODUCTION CHECK METER&CPA S/	0	0
ROCHESTER	620184	CRESTMONT VILLAGE	336	100
BRADFORD	620746	MT ALTA,LINE 4226	137	75
ROCHESTER	630212	KANE HEIGHTS	240	100
YORK	630930	DILLSBURG CPA	500	300
WASHINGTON	634428	BURNSVILLE	49	75
NEW BETHLEHEM	635704	KNOX/EMLENTON	3,313	110
UNIONTOWN	635710	CPA-REDD FARM	5,000	75
NEW BETHLEHEM	639213	SINCLAIR S BETHLEHEM REPLACE	40	35

EXHIBIT 10.2 A
CPA DIRECT TRANSMISSION SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>		<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY</u> <u>Dth/Day</u>	<u>PRESSURE</u> <u>PSIG</u>
ROCHESTER	640029	WASHINGTON MEADOWLANDS TROT	1,828	200
ROCHESTER	640299	ELLWOOD CITY 2	5,500	200
YORK	640464	CPA BERMUDIAN	600	400
YORK	640478	CPA-EISERHOWER FARM	55	165
EMLENTON	640549	HETRICK ROAD	0	0
NEW BETHLEHEM	642758	PENNS STATION	0	0
EMLENTON	642788	CALUMET KARNS CITY	145	0
GREENCASTLE	642857	VILLA VISTA	375	300
NEW BETHLEHEM	643028	CPA RIMERSBURG	0	0
ROCHESTER	643048	PEOPLES UNMEASURED	0	0
GREENCASTLE	648599	COLONIAL DRIVE	125	75
GREENCASTLE	648703	GRANITE STATION RD.	270	75
ROCHESTER	666661	(24) EQUITRANS - GROVETON	0	*

* PRESSURES THAT MAY EXIST IN THE PIPELINE FROM TIME TO TIME.

EXHIBIT 10.2 B
CPA DUAL PURPOSE SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>	<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY</u>	<u>PRESSURE</u>
		<u>Dth/Day</u>	<u>PSIG</u>
TEXAS EASTERN TRANS. LINE	72942	0	*
TCO PIPELINE	600284	1,849	100
TCO PIPELINE	600285	100	90
TCO PIPELINE	600287	0	60
HUPP FARM - INDUSTRIAL PARK	600289	62	150
TCO PIPELINE	600291	63	100
TCO PIPELINE	600292	18	90
TCO PIPELINE	600293	12,937	225
TCO PIPELINE	600294	400	90
TCO PIPELINE	600295	1,031	100
PITT METALS - SR980	600296	50	75
ORRTANNA	600297	71	90
TCO PIPELINE	600616	11	20
PENN HILLS	600637	41	75
TCO PIPELINE	600646	17	75
TCO PIPELINE	600798	2	50
TCO PIPELINE	600931	135	60
TCO PIPELINE	600933	21	60
TCO PIPELINE	600945	18	5
TCO PIPELINE	600996	154	50
TCO PIPELINE	601046	26	30
TCO PIPELINE	601083	84	5
TCO PIPELINE	601162	21	5
TCO PIPELINE	601251	77	5
TCO PIPELINE	601273	105	50
LUZERNE TWP - ELEM. SCHOOL	601275	44	5
TCO PIPELINE	601335	143	150
GLADHILL	601476	51	90
TCO PIPELINE	601493	183	90
TCO PIPELINE	601511	684	90
TCO PIPELINE	603124	12	100
DENORA - HERCULES POWDER	603295	200	75
CLAD METALS - SR519	603296	83	100
TCO PIPELINE	603304	444	50
LONE PITT	603311	15	100
DENORA - HERCULES POWDER	603323	74	75
TCO PIPELINE	604246	0	75
HUPP FARM - INDUSTRIAL PARK	604247	60	200
TCO PIPELINE	604339	16	90

EXHIBIT 10.2 B
CPA DUAL PURPOSE SUPPLY POINTS
COLUMBIA GAS TRANSMISSION SUPPLY POINTS UNLESS OTHERWISE NOTED

<u>CPA MARKET</u>	<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY</u>	<u>PRESSURE</u>
		<u>Dth/Day</u>	<u>PSIG</u>
TCO PIPELINE	604420	5	50
TCO PIPELINE	604502	102	100
TCO PIPELINE	604540	50	100
TCO PIPELINE	614446	101	100
HUPP FARM - INDUSTRIAL PARK	614465	144	200
TCO PIPELINE	614594	51	50
TCO PIPELINE	614624	0	0
TCO PIPELINE	614635	392	450
TCO PIPELINE	614666	1,394	620
TCO PIPELINE	630310	0	*
CENTRAL GREENE SCHOOLS	634498	10	*
SOMERSET MARKET	635106	0	75
TCO PIPELINE	635239	15	100
PENN DOT	640519	12	20
TCO PIPELINE	643009	100	500
TCO PIPELINE	644118	148	35
TCO PIPELINE	645180	0	*
TCO PIPELINE	645561	0	*
MENALLEN TWP - UPPER MIDDLE	645819	0	*
TCO PIPELINE	645872	0	*
TCO PIPELINE	647605	50	5
TCO PIPELINE	648084	0	0
TCO PIPELINE	648785	0	*
TCO PIPELINE	648868	1	75

* PRESSURES THAT MAY EXIST IN THE PIPELINE FROM TIME TO TIME.

EXHIBIT 10.4
CPA STORAGE CONTRACTS - CITY GATE QUANTITIES

<u>TRANSMISSION PIPELINE</u>	<u>RATE SCHEDULE</u>	<u>STORAGE QUANTITY DTH</u>	<u>MAXIMUM WITHDRAWAL DTH/DAY</u>	<u>MAXIMUM INJECTION DTH/DAY</u>
COLUMBIA GAS TRANSMISSION	FSS	25,341,126	456,876	202,729
EQUITRANS	115SS	1,500,000	14,348	7,500
DOMINION TRANSMISSION	GSS	2,111,176	28,800	11,730

**EXHIBIT 10.5
 CPA DIRECT TRANSMISSION SUPPLY POINTS
 SUPPLY POINTS SATISFYING THE 5% CONDITION
 COLUMBIA GAS TRANSMISSION SUPPLY POINT UNLESS OTHERWISE NOTED**

<u>CPA MARKET</u>	<u>POD</u>	<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY Dth/Day</u>	<u>PRESSURE PSIG</u>
WASHINGTON	600233	TANNEHILL (22)	35,960	300
YORK	600063	EMIGSVILLE (9)	26,352	550
MT LEBANON	600224	MCCANDLESS (20)	25,347	200
YORK	600064	ADMIRE (10)	25,132	300
YORK	600054	NORTH YORK (8)	24,909	175
ROCHESTER	600219	AMBRIDGE STA. (23)	19,085	100
STATE COLLEGE	21305	DETI / PLEASANT GAP (25)	18,948	*
YORK	71219	TET / EMIGSVILLE (11)	5,851	*

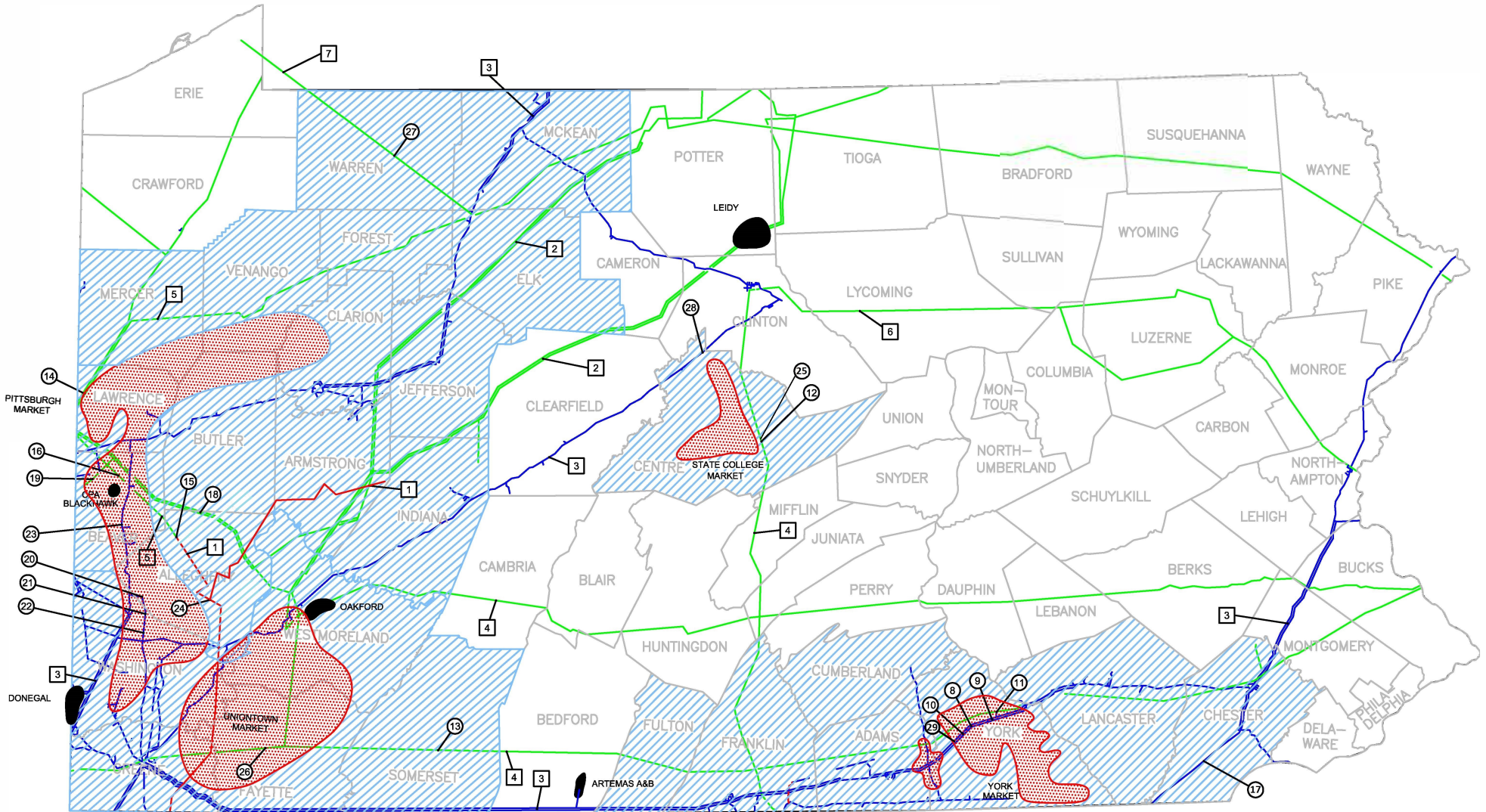
* PRESSURES THAT MAY EXIST IN THE PIPELINE FROM TIME TO TIME.

**EXHIBIT 10.6
 CPA CUSTOMERS SATISFYING THE 5% CONDITION**

<u>CPA MARKET</u>	<u>SUPPLY PT (SCHEMATIC ID)</u>	<u>CAPACITY Dth/Day</u>	<u>PRESSURE PSIG</u>
PIXELLE SPECIALITES (GLATFELTER)	643009 (29)	7,988	500
ARCELOR MITTEL (LUKENS STEEL)	600293 (17)	6,259	225

COLUMBIA GAS OF PENNSYLVANIA, INC.

PIPELINE INTERCONNECTS, SUPPLY POINTS AND STORAGE LOCATIONS



TRANSMISSION PIPELINES

- 1 Equitrans Gas Transmission (EQ)
- 2 Dominion Energy Transmission (DETI)
- 3 Columbia Gas Transmission (TCO)
- 4 Texas Eastern Transmission (TET)
- 5 Tennessee Gas Pipeline (TGP)
- 6 Transcontinental Gas Pipeline (TRANSCO)
- 7 National Fuel Gas Supply (NFG)

MAJOR INTERCONNECTS SERVING PA

- | | | |
|-------------------------|--------------------------|-------------------------------------|
| 8 (TCO) North York | 16 (TGP) Koppel | 24 (EQ) Groveton |
| 9 (TCO) Emigsville | 17 Arcelor Mittal | 25 (DETI) Pleasant Gap |
| 10 (TCO) Admire | 18 (DETI) Warrendale | 26 (TET) Uniontown |
| 11 (TET) Emigsville | 19 (DETI) Darlington | 27 (NFG) Warren |
| 12 (TET) Pleasant Gap | 20 (TCO) McCandless | 28 (TCO) Snowshoe |
| 13 (TET) Rockwood | 21 (TCO) Cecil Greentree | 29 Pixelle Specialties (Glatfelter) |
| 14 (TGP) New Castle | 22 (TCO) Tannehill | |
| 15 (TGP) Bradford Woods | 23 (TCO) Ambridge | |

LEGEND

- CPA Service Areas
- CPA Major Markets
- Storage Fields

Notepad

Trend

EXHIBIT 10.3A

YORK

Dismiss

Region

* Summary *

* ERX Map *

Temperature 38 °F
From 2/18/2019 10:27:26

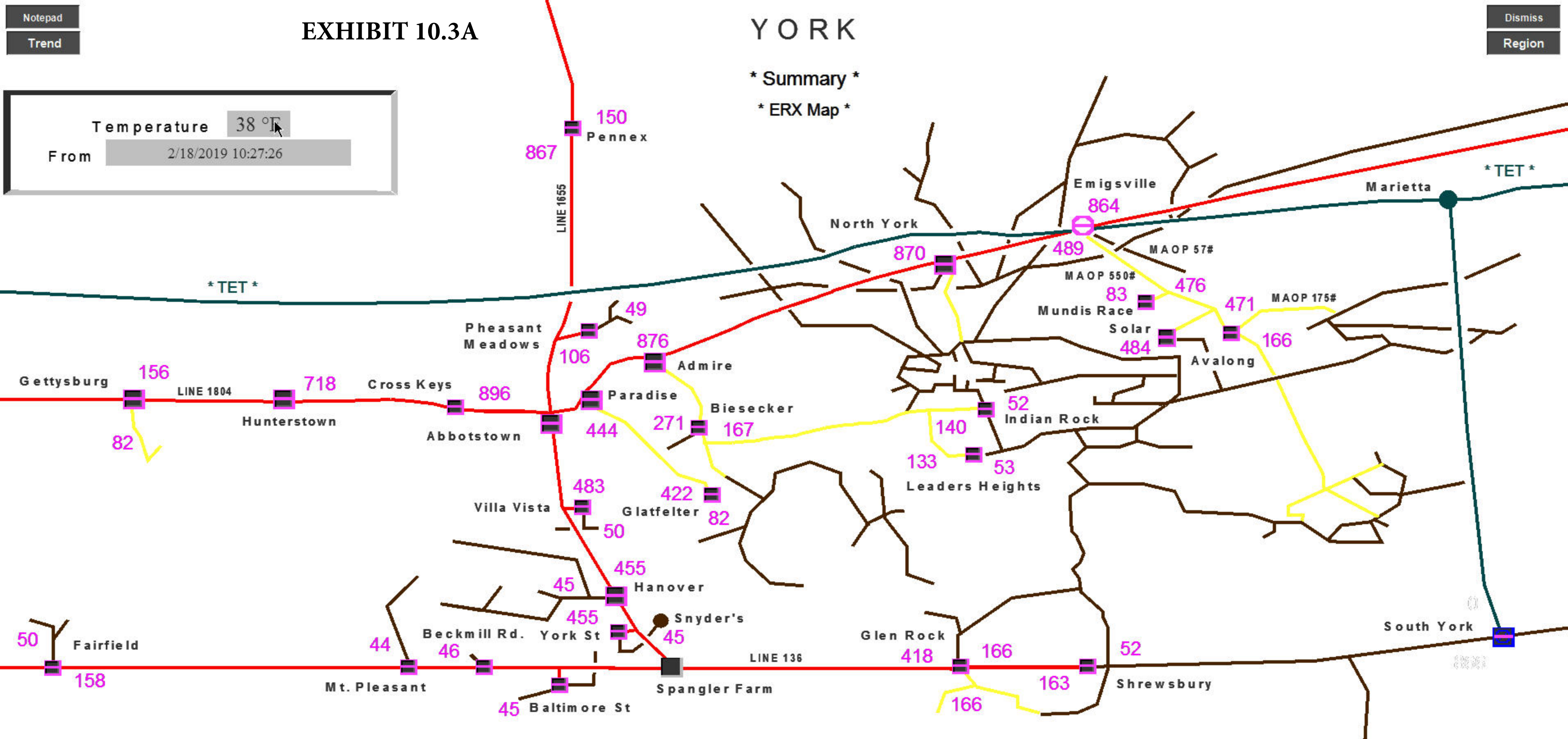
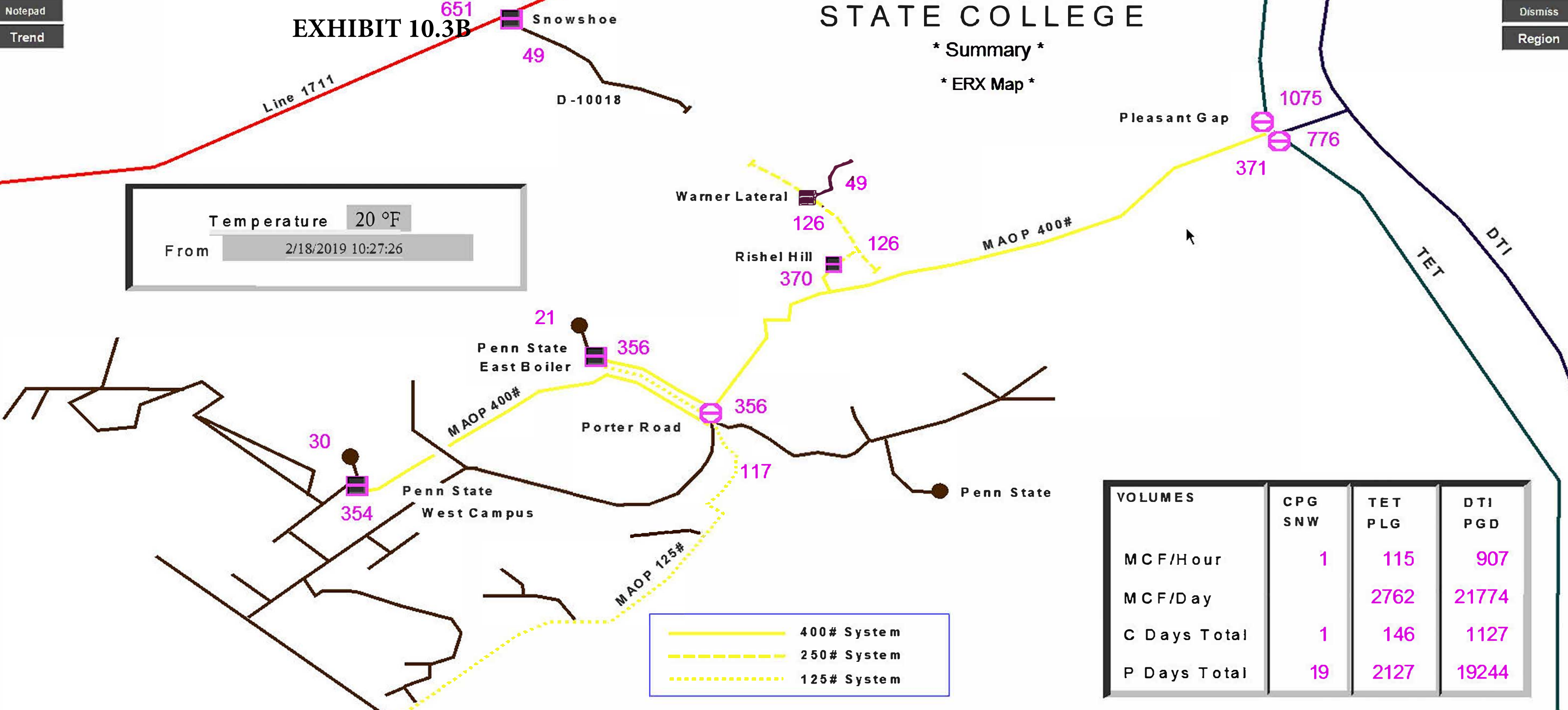


EXHIBIT 10.3B

STATE COLLEGE

* Summary *

* ERX Map *



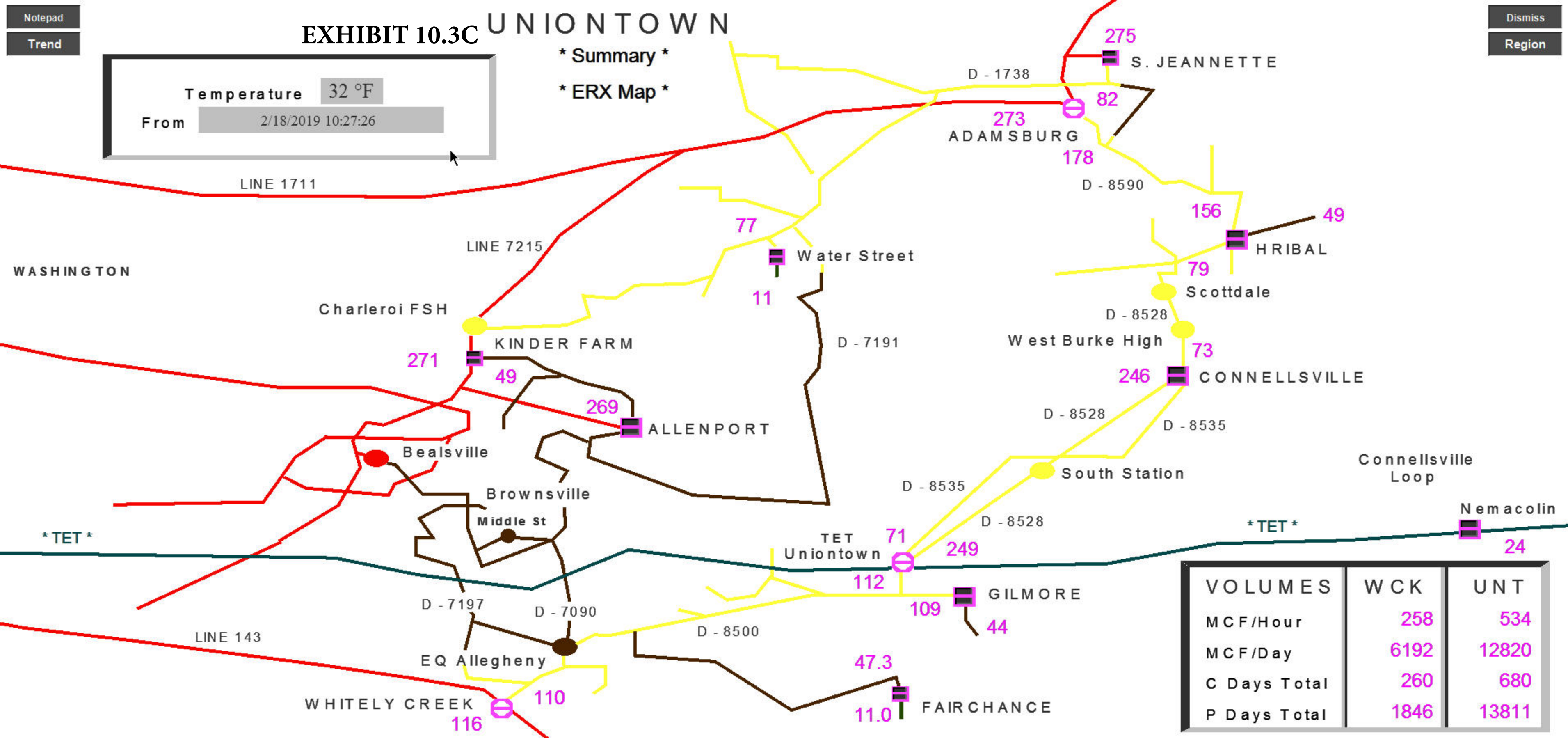
	400# System
	250# System
	125# System

VOLUMES	CPG SNW	TET PLG	DTI PGD
MCF/Hour	1	115	907
MCF/Day		2762	21774
C Days Total	1	146	1127
P Days Total	19	2127	19244

EXHIBIT 10.3C UNIONTOWN

Temperature 32 °F
From 2/18/2019 10:27:26

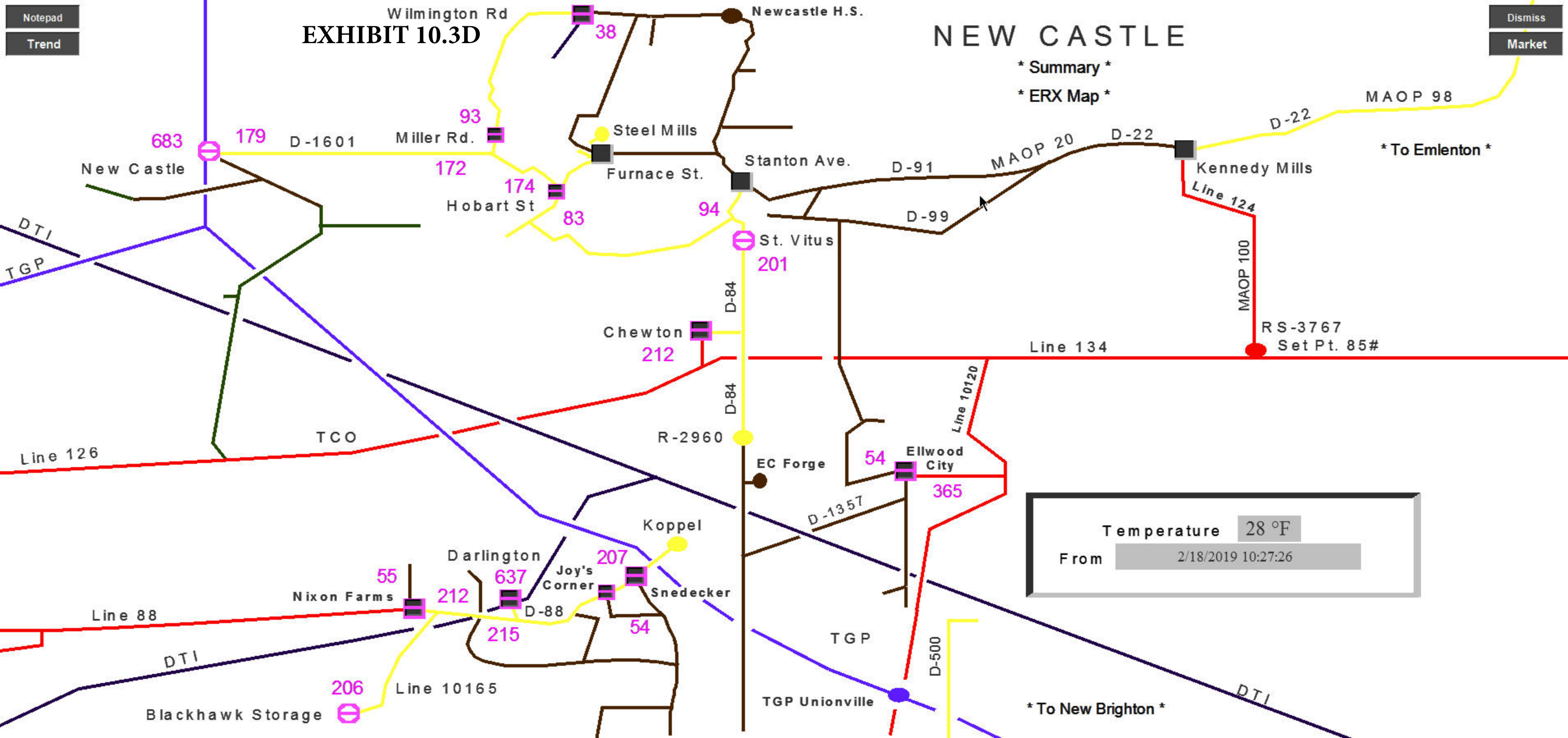
* Summary *
* ERX Map *



VOLUMES	WCK	UNT
MCF/Hour	258	534
MCF/Day	6192	12820
C Days Total	260	680
P Days Total	1846	13811

EXHIBIT 10.3D

NEW CASTLE



* Summary *
* ERX Map *

Temperature 28 °F
From 2/18/2019 10:27:26

* To Emlenton *

* To New Brighton *

Dismiss
Market

Notepad
Trend

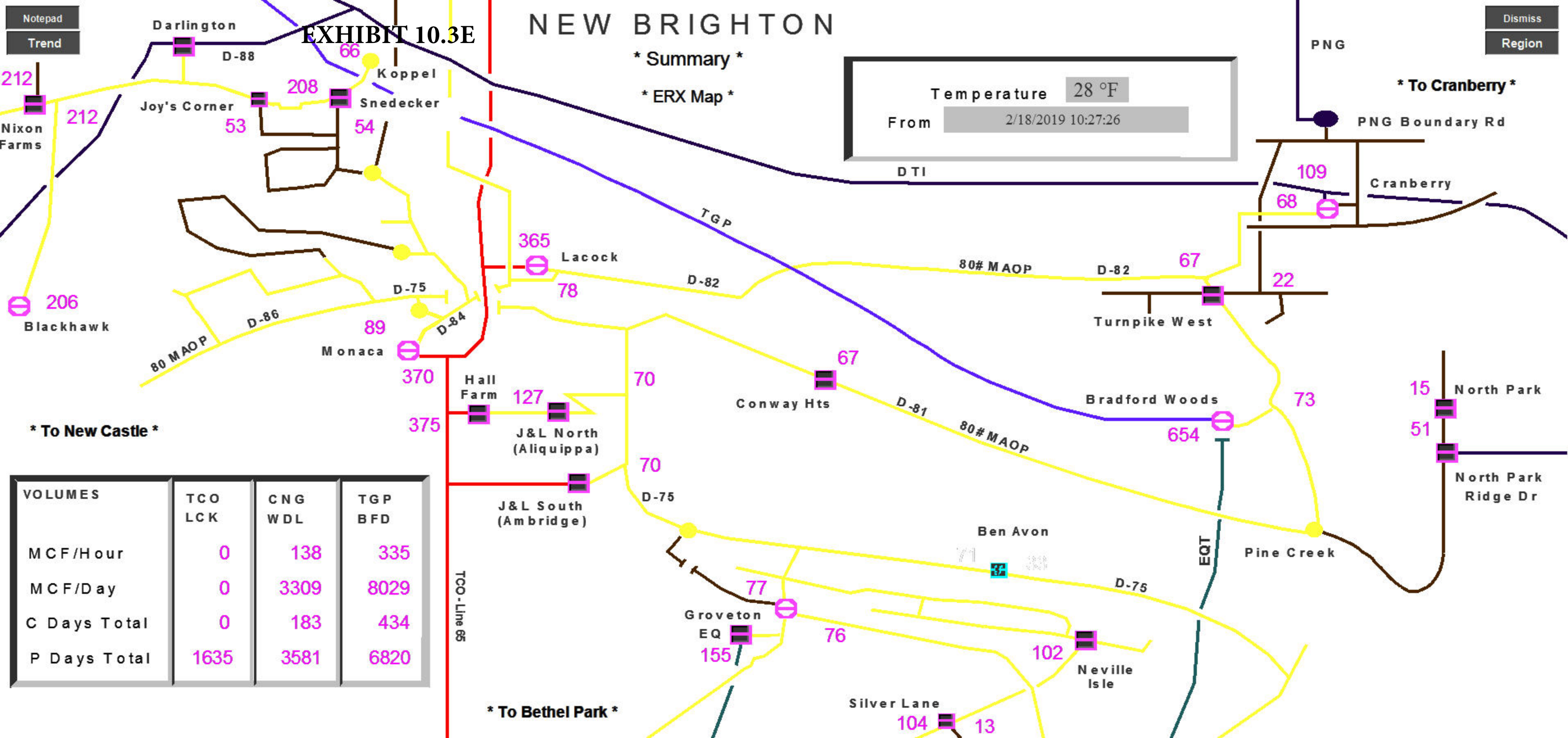


EXHIBIT 10.3E

NEW BRIGHTON

* Summary *
* ERX Map *

Temperature 28 °F

From 2/18/2019 10:27:26

DTI

VOLUMES	TCO LCK	CNG WDL	TGP BFD
MCF/Hour	0	138	335
MCF/Day	0	3309	8029
C Days Total	0	183	434
P Days Total	1635	3581	6820

Dismiss
Region

Notepad
Trend

* To New Castle *

* To Cranberry *

* To Bethel Park *

TCO-Line 65

PNG

PNG Boundary Rd

Cranberry

Turnpike West

Bradford Woods

North Park

North Park Ridge Dr

Ben Avon

Pine Creek

Groveton EQ

Neville Isle

Silver Lane

Nixon Farms

Blackhawk

Joy's Corner

Monaca

Hall Farm

J&L North (Aliquippa)

J&L South (Ambridge)

Conway Hts

Groveton EQ

Neville Isle

Silver Lane

Nixon Farms

Blackhawk

Joy's Corner

Monaca

Hall Farm

J&L North (Aliquippa)

J&L South (Ambridge)

Conway Hts

Groveton EQ

Neville Isle

Silver Lane

Darlington

D-88

66

Koppel

208

Snedecker

53

54

365

Lacock

78

D-82

80# MAOP

D-82

67

22

80 MAOP

D-86

89

D-75

D-84

370

127

375

70

67

D-81

80# MAOP

654

73

15

51

70

D-75

71

35

33

D-75

EQT

77

76

102

104

13

155

Notepad

Trend

* To New Brighton * EXHIBIT 10.3F

Bethel Park / Washington

Dismiss

Region

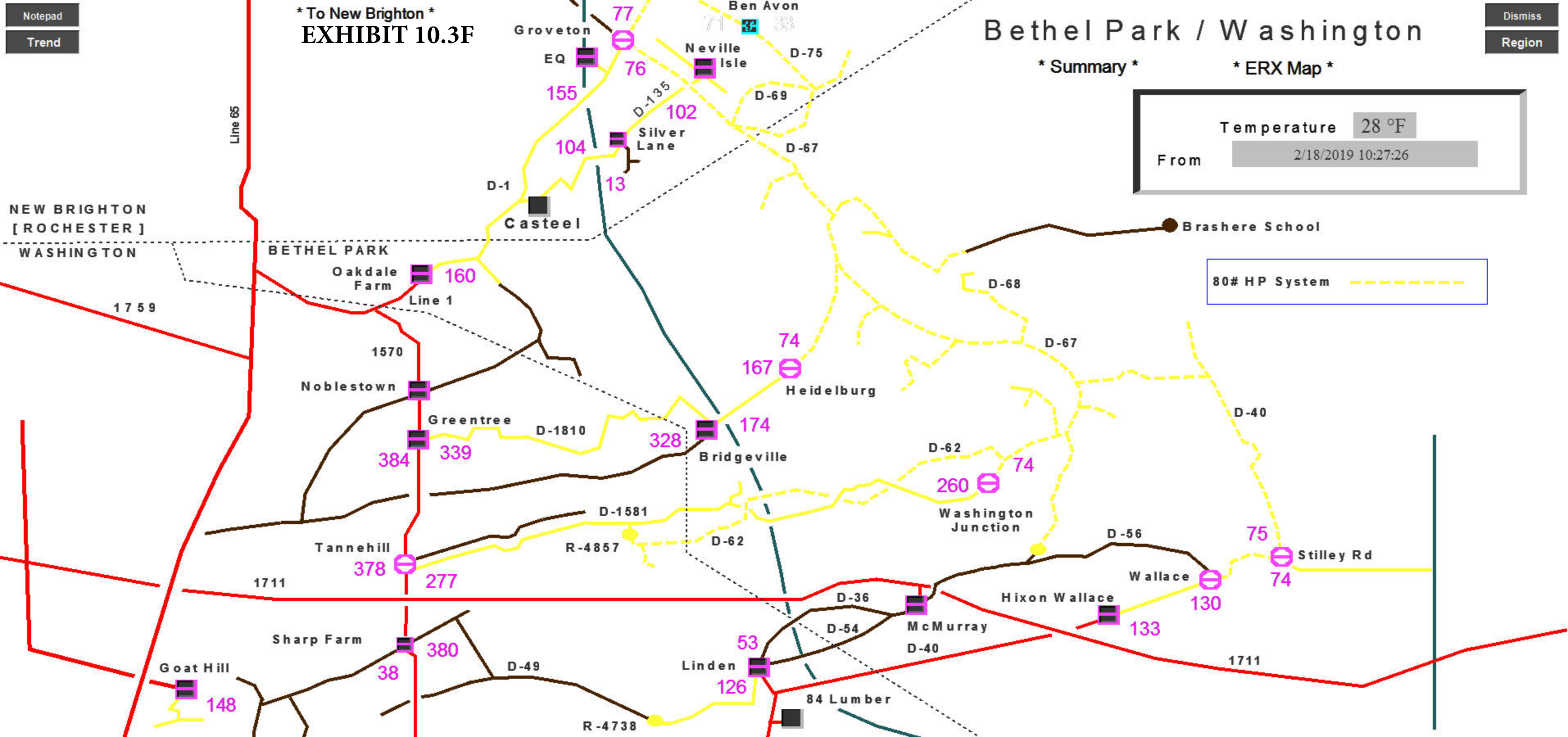
* Summary *

* ERX Map *

Temperature **28 °F**

From **2/18/2019 10:27:26**

80# HP System 



NEW BRIGHTON
[ROCHESTER]
WASHINGTON

BETHEL PARK

Oakdale Farm

Noblestown

Greentree

Tannehill

Sharp Farm

Goat Hill

Groveton

EQ

Casteel

Neville Isle

Silver Lane

Ben Avon

Heidelberg

Bridgeville

Washington Junction

Hixon Wallace

McMurray

Linden

84 Lumber

Brashere School

Wallace

Stillley Rd