

MEMORANDUM

TO: City Council

FROM: Alfred D. Lott, CPM
City Manager

SUBJECT: *Status Report*

DATE: July 6, 2017

Status Report

1. BGE 2017 Feeder Rankings

Attached are the latest BGE feeder rankings for Bowie feeders. These rankings are submitted in May of each year to the Public Service Commission for all BGE feeders. These ranking are for the period October 1, 2015 through September 30, 2016. This information excludes major storms impacting over 100,000 customers, planned outages and substation events. Rankings are based on all feeders with > 100 customers. These rankings are determined by SAIFI performance which represents the total number of customer interruptions divided by the total number of customers served. The higher numbered ranks constitute better performance. There are approximately 1,200 feeders in the entire BGE system. Also attached is a comparison of the rankings for 2017 with the rankings from the six previous years and with the year 2007, which is the year prior to the implementation of the Bowie Electrical Reliability Action Plan (BERAP). In 2007, eight of the 21 feeders in the City were in the bottom 10% of all feeders in the BGE system. In 2017, two Bowie feeders out of 22 total Bowie feeders were in the bottom 10%. The average rating of all Bowie Feeders in 2007 was 224. The average rating of all Bowie feeders in 2017 is 508. BGE invested in excess of \$40 million in the BERAP program in Bowie. This program continues to pay dividends for Bowie residents in more consistent, improved electrical reliability in the City.

ADL/lfr

Attachments

2006 Bowie Feeder Rank by Neighborhood

| Feeder | Neighborhood | Rank | Percentile |
|-------------|---|------|------------|
| 7434 | Derbyshire/Bowie Forest/Buckingham | 8 | 0.82% |
| 8462 | Ensleigh/Essington/Heather Hills/Kenilworth | 17 | 1.75% |
| 8413 | Old Stage/Westview/Woodmore Highlands | 19 | 1.95% |
| 7417 | Fairview/Highbridge Park/Stewart's Landing | 22 | 2.26% |
| 7422 | Huntington/Huntington Crest/Rolling Hills/Rockledge/Belair Greens/Grady's Walk | 25 | 2.57% |
| 8414 | Meadowbrook/Chapel Forge | 29 | 2.98% |
| 7419 | Tulip Grove | 36 | 3.70% |
| 7420 | Foxhill/Someset/Tulip Grove | 50 | 5.13% |
| 7440 | Pointer Ridge/Devonshire Estates/Lake Village Manor/Mitchellville/Ridgeview Estates | 61 | 6.26% |
| 8463 | Bowie Commons/Enfield Chase | 63 | 6.47% |
| 7445 | Collington Station/Collington Manor | 136 | 13.96% |
| 7441 | Glen Allen/Covington Manor/Heather Hills/Mitchellville/Mitchellville East | 216 | 22.18% |
| 7442 | Pointer Ridge/Northview/GrovehurstAmber Meadows/Enfield Chase/Oak Pond/Oak Tree/Ternberry/Archstone/Tall Oaks CrossingRidgeview Estates | 220 | 22.59% |
| 7418 | Long Ridge/Princeton Square | 236 | 24.23% |
| 7438 | Victoria Heights/Yorktown/Overbrook/Chapel Forge/Belair Town | 249 | 25.56% |
| 7421 | Old Chapel Estates/Chapel Forge/Overbrook/Rockledge/Whitehall | 351 | 36.04% |
| 7437 | Idlewild/Bowie Forest | 354 | 36.34% |
| 7436 | Forest Hills/Longleaf | 464 | 47.64% |
| 7444 | Amber Meadows/Lake Village Manor/Oak Pond/Oak Tree/Mitchellville | 465 | 47.74% |
| 7447 | Evergreen Estates/Covington Manor/Mitchellville East/Mitchellville/Northview/Pin Oak Village | 507 | 52.05% |
| 8465 | Saddlebrook | 543 | 55.75% |

Those feeder lines in bold have been identified by BGE to receive priority attention to improve reliability. The above ranking is for 2006 and excludes Major Storms (A weather event that causes outages to over 100,000 customers and service restoration takes 24 hours or more to complete). All service is typically restored in two to three days. The 2006 ranking is based on 75% of 2005 events and 25% of 2004 events.

Bowie Feeder Rank by Neighborhood 2007 Compared to 2011 - 2017

| Feeder | Neighborhood | 2007 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------|---|------|------|------|------|------|------|------|------|
| 7434 | Derbyshire/Bowie Forest/Buckingham | 8 | 915 | 928 | 330 | 465 | 821 | 600 | 543 |
| 8462 | Ensleigh/Essington/Heather Hills/Kenilworth | 17 | 612 | 869 | 782 | 666 | 321 | 126 | 341 |
| 8413 | Old Stage/Westview/Woodmore Highlands | 19 | 747 | 206 | 292 | 896 | 871 | 872 | 613 |
| 7422 | Huntington/Huntington Crest/Rolling Hills/Rockledge/Belair Greens/Grady's Walk | 25 | 606 | 738 | 778 | 655 | 733 | 751 | 413 |
| 8414 | Meadowbrook/Chapel Forge | 29 | 646 | 804 | 191 | 132 | 320 | 721 | 491 |
| 7419 | Tulip Grove | 36 | 879 | 890 | 666 | 704 | 438 | 546 | 115 |
| 7420 | Foxhill/Someset/Tulip Grove | 50 | 534 | 884 | 800 | 712 | 565 | 623 | 692 |
| 7440 | Pointer Ridge/Devonshire Estates/Lake Village Manor/Mitchellville/Ridgeview Estates | 61 | 679 | 243 | 4 | 114 | 756 | 437 | 520 |
| 8463 | Bowie Commons/Enfield Chase | 63 | 401 | 257 | 81 | 61 | 664 | 1059 | 732 |
| 7445 | Collington Station/Collington Manor | 136 | 666 | 900 | 480 | 344 | 942 | 595 | 827 |
| 7441 | Glen Allen/Covington Manor/Heather Hills/Mitchellville/Mitchellville East | 216 | 595 | 259 | 616 | 259 | 627 | 223 | 364 |
| 7442 | Pointer Ridge/Northview/GrovehurstAmber Meadows/Enfield Chase/Oak Pond/Oak Tree/Ternberry/Archstone/Tall Oaks CrossingRidgeview Estates | 220 | 163 | 593 | 1116 | 292 | 224 | 748 | 974 |
| 7418 | Long Ridge/Princeton Square | 236 | 362 | 843 | 353 | 752 | 749 | 246 | 256 |
| 7438 | Victoria Heights/Yorktown/Overbrook/Chapel Forge/Belair Town | 249 | 461 | 788 | 735 | 549 | 500 | 886 | 429 |
| 7421 | Old Chapel Estates/Chapel Forge/Overbrook/Rockledge/Whitehall | 351 | 566 | 743 | 773 | 436 | 588 | 740 | 166 |
| 7437 | Idlewild/Bowie Forest | 354 | 755 | 748 | 232 | 701 | 566 | 554 | 447 |
| 7436 | Forest Hills/Longleaf | 464 | 70 | 376 | 137 | 85 | 995 | 934 | 921 |
| 7444 | Amber Meadows/Lake Village Manor/Oak Pond/Oak Tree/Mitchellville | 465 | 655 | 924 | 633 | 137 | 718 | 1026 | 165 |
| 7447 | Evergreen Estates/Covington Manor/Mitchellville East/Mitchellville/Northview/Pin Oak Village | 507 | 570 | 663 | 1071 | 302 | 943 | 1028 | 901 |
| 8465 | Saddlebrook | 543 | 795 | 658 | 337 | 987 | 351 | 405 | 111 |
| 7417 | Fairview/Highbridge Park/Stewart's Landing | 658 | 588 | 910 | 815 | 854 | 449 | 503 | 396 |
| 8466 | Ensleigh/Essington/Heather Hills/Kenilworth | | 503 | 8 | 138 | 531 | 758 | 192 | 762 |
| | Average | 224 | 580 | 647 | 516 | 483 | 632 | 628 | 508 |

2007 - Based on SAIFI data from October 1, 2005 through September 30, 2006

2011 - Based on SAIFI data from October 1, 2009 through September 30, 2010

2012 - Based on SAIFI data from October 1, 2010 through September 30, 2011

2013 - Based on SAIFI data from October 1, 2011 through September 30, 2012

2014 - Based on SAIFI data from October 1, 2012 through September 30, 2013

2015 - Based on SAIFI data from October 1, 2013 through September 30, 2014

2016 - Based on SAIFI data from October 1, 2014 through September 30, 2015

2017 - Based on SAIFI data from October 1, 2016 through September 30, 2016

Feeder 8466 is a new feeder and did not exist in 2007

Excludes Major Storms - Storms Impacting over 100,000 customers

Bowie Feeders' 2017 ranking (22 feeders)

| Feeder | Neighborhood | 2017 Ranking |
|---------------|--|---------------------|
| 7436 | Forest Hills/Longleaf | 921 |
| 7442 | Pointer Ridge/Northview/Grovehurst Amber Meadows/Enfield Chase/Oak Pond/Oak Tree/Ternberry/Archstone/Tall Oaks Crossing Ridgeview Estates | 974 |
| 7418 | Long Ridge/Princeton Square | 256 |
| 8463 | Bowie Commons/Enfield Chase | 732 |
| 7438 | Victoria Heights/Yorktown/Overbrook/Chapel Forge/Belair Town | 429 |
| 8466 | Ensleigh/Essington/Heather Hills/Kenilworth | 762 |
| 7420 | Foxhill/Someset/Tulip Grove | 692 |
| 7421 | Old Chapel Estates/Chapel Forge/Overbrook/Rockledge/Whitehall | 166 |
| 7447 | Evergreen Estates/Covington Manor/Mitchellville East/Mitchellville/Northview/Pin Oak Village | 901 |
| 7417 | Fairview/Highbridge Park/Stewart's Landing | 396 |
| 7441 | Glen Allen/Covington Manor/Heather Hills/Mitchellville/Mitchellville East | 364 |
| 7422 | Huntington/Huntington Crest/Rolling Hills/Rockledge/Belair Greens/Grady's Walk | 413 |
| 8462 | Ensleigh/Essington/Heather Hills/Kenilworth | 341 |
| 8414 | Meadowbrook/Chapel Forge | 491 |
| 7444 | Amber Meadows/Lake Village Manor/Oak Pond/Oak Tree/Mitchellville | 165 |
| 7445 | Collington Station/Collington Manor | 827 |
| 7440 | Pointer Ridge/Devonshire Estates/Lake Village Manor/Mitchellville/Ridgeview Estates | 520 |
| 8413 | Old Stage/Westview/Woodmore Highlands | 613 |
| 7437 | Idlewild/Bowie Forest | 447 |
| 8465 | Saddlebrook | 111 |
| 7419 | Tulip Grove | 115 |
| 7434 | Derbyshire/Bowie Forest/Buckingham | 543 |

*Based on SAIFI data from Oct 1 2015 through Sep 30 2016.

*Excludes Major Storms – Storms Impacting over 100,000 customers, planned outages, and Substation Events

*Rankings are based on all feeders with > 100 customers.