



SUBJECT: Update regarding system improvements that ComEd is undertaking in the village	AGENDA ITEM: 5a MEETING DATE: December 6, 2011
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VILLAGE BOARD REPORT

TO: Village President and Board of Trustees

FROM: Jerry Burke, Director of Public Works (847/904-4525)

THROUGH: Todd Hileman, Village Manager

PURPOSE

Staff is presenting an update regarding system improvements that ComEd is undertaking in the village.

BACKGROUND/DISCUSSION

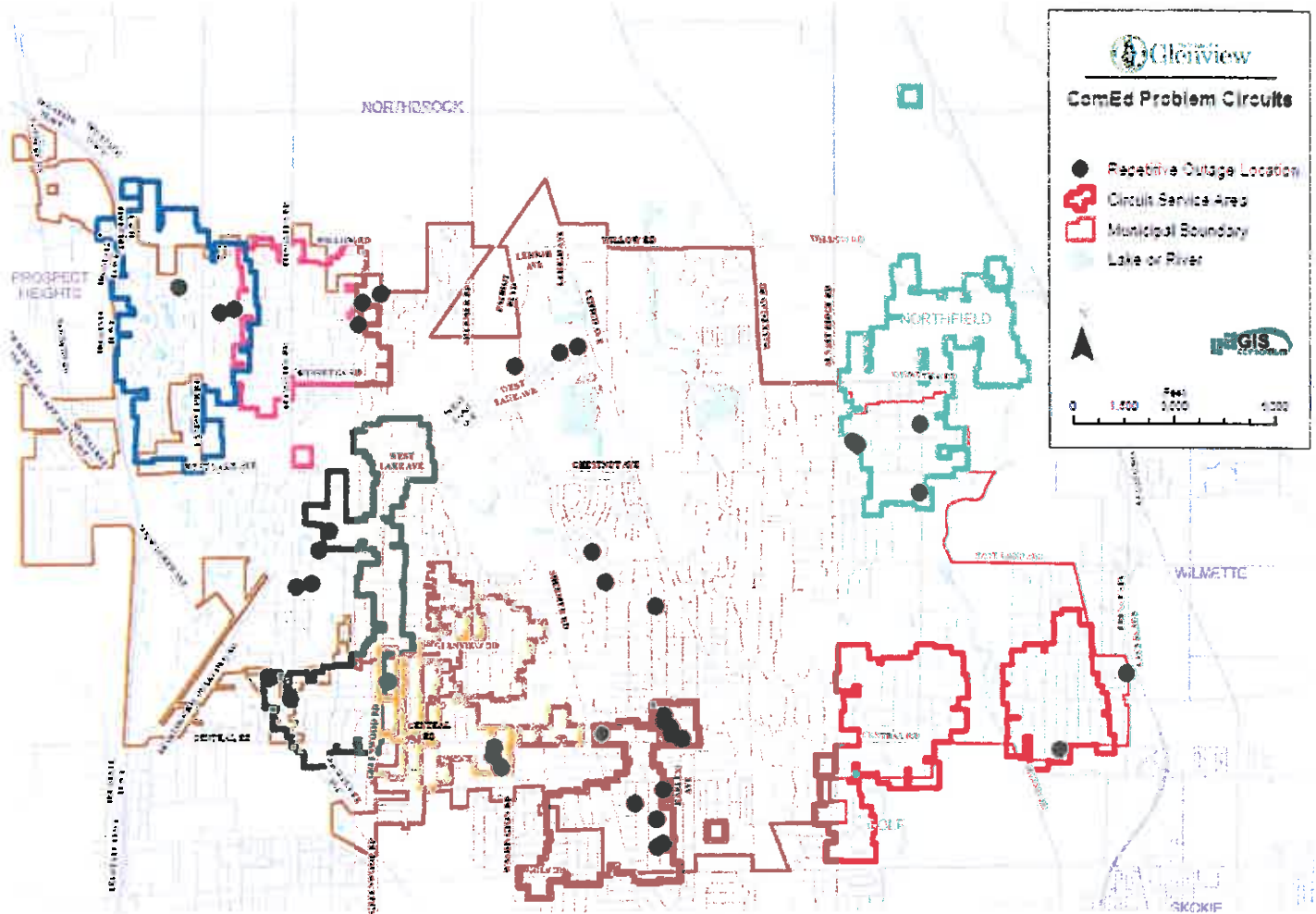
Each year, staff works with ComEd representatives to provide an update to the board on the performance of ComEd’s electricity distribution system within the village. Earlier this year on September 6, staff and ComEd representatives provided an update that discussed several improvements ComEd plans to make to its system in the near future. The improvements, designed to protect and strengthen ComEd’s infrastructure so that it is less susceptible to storm-related outages, are discussed in the ComEd presentation that is attached as **Appendix A**. On September 6, ComEd was not able to provide specific timeframes within which it would undertake the improvements. Since that date, ComEd has undertaken the following activities:

- Preliminary engineering work for troubled areas to be completed by December 31
- Vegetation trimming for all troubled areas to be completed by December 31
- URD cable replacement to be completed by December 31
 - Indian Ridge Subdivision

ComEd will undertake the following activities beginning in mid-January 2012:

- Hendrix cable installation to be completed by March 31, 2012
 - Huckleberry, Ridgewood, Glen Oak area
 - Indigo area
 - Park Manor, Robincrest area
 - Pfingsten, Greenwood area
 - Swainwood, Elm area
 - Virginia, Covert, Karen area

- Construction work, such as installation of trip-saver fuses, cable testing or replacement, etc., to be completed by March 31, 2012
 - Huckleberry, Ridgewood, Glen Oak area
 - Indian Ridge Subdivision
 - Indigo area
 - Park Manor, Robincrest area
 - Pfungsten, Greenwood area
 - Pfungsten, Limar, Lindenwood area
 - Violet area
 - Virginia, Covert, Kawn area



The ComEd report attached as **Appendix B** details the improvements ComEd will undertake within specific areas of the village during the first few months of 2012.

During the September 6 meeting, the Village President asked ComEd to provide outage data for the past few years similar to that provided in ComEd’s annual reports but sorted by circuit number—this so that the board can review the frequency and duration of power outages for individual circuits within the village. ComEd has not yet completed a report for the village showing outage data by circuit, but it will be prepared on December 6 to offer the board a date by which it will provide this report.

APPENDIXES

- A. ComEd presentation about system improvements (09-06-11)
- B. ComEd report about system improvements (12-06-11)

Appendix A

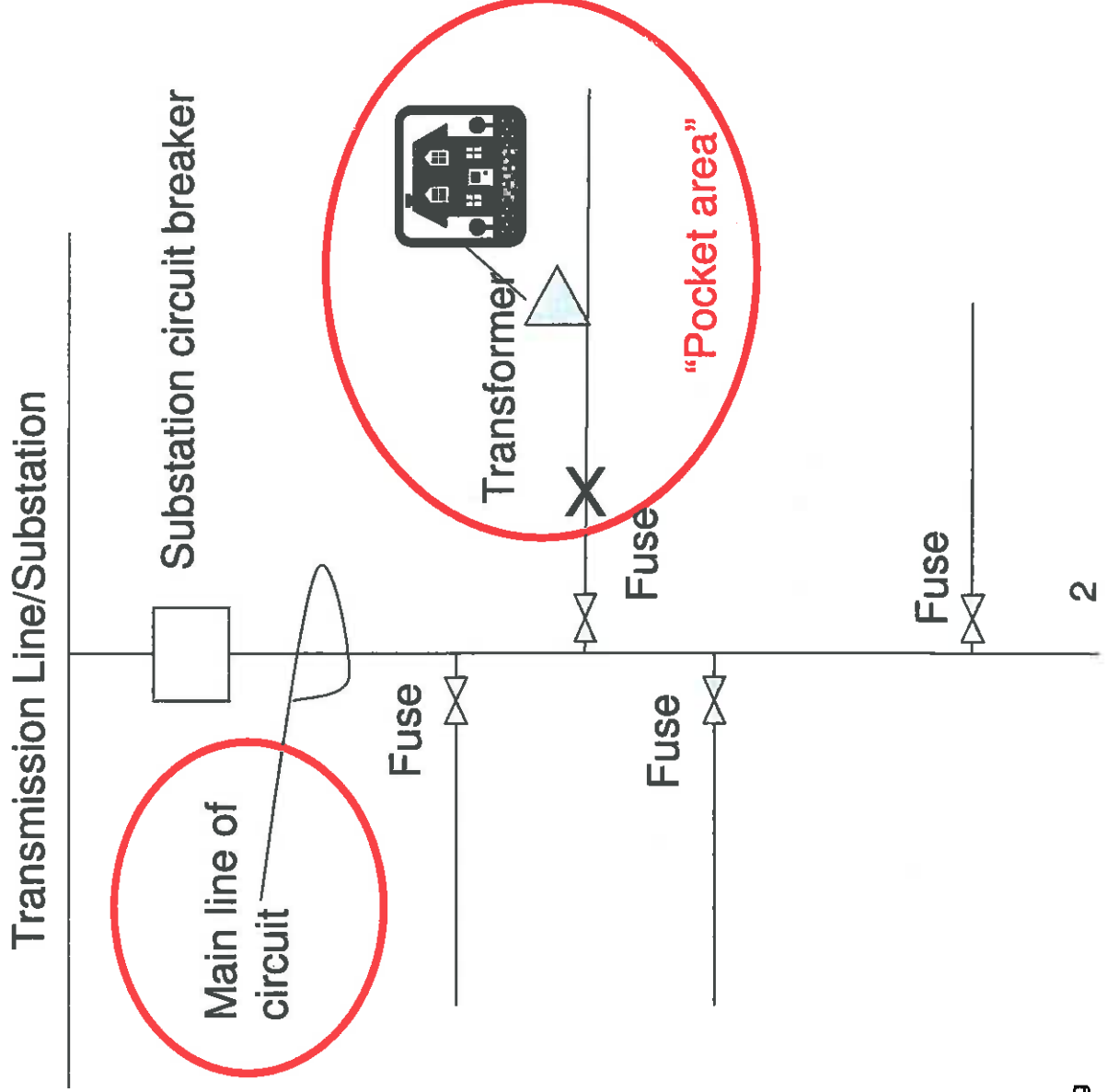
Glenview Reliability Update

September 6, 2011

Engineering Reliability Reviews



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System Performance Improvements



an Company

Trip saver: Fuse that will auto reset for transient faults
i.e. branch bounces off wire, fuse resets itself
and avoids sustained outage



Hendrix cable: A overhead installation of covered, bundled primary wire that can withstand tree branches and small tree contact



URD cable replacement: Cable that has shown unfavorable trends of performance and will be replaced in the same route as the old cable



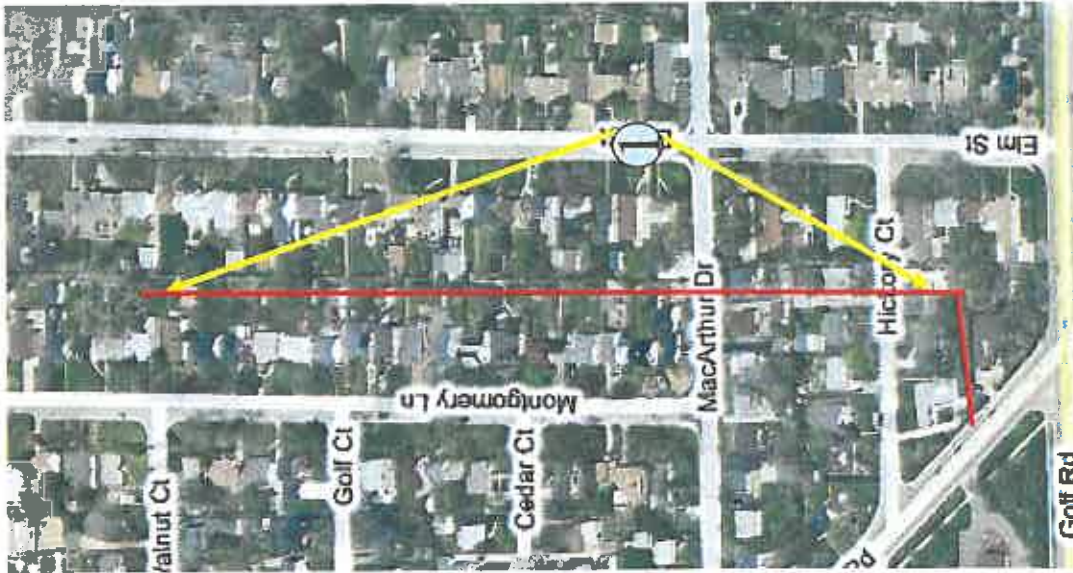
Glenview – Pocket Area



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Address the following pocket areas: Park Manor, Robincrest areas

1. Proposed Hendrix, additional enhanced tree trimming, and additional sectionalizing.
2. Proposed new feed from Shermer Rd. This creates an additional tie to the south.



Glenview – Pocket Area



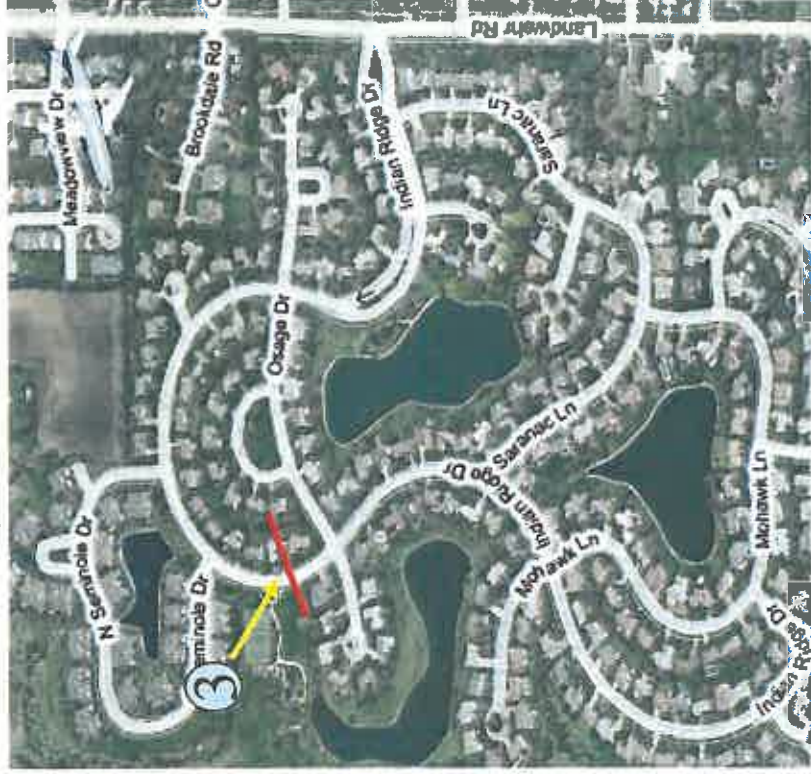
An Exelon Company

Address the following pocket areas: Indian Ridge, Leanne, Fredric Ct.

1. Proposed trip saver at Landwehr and Glenway Dr. and Leanne Ct.
2. Enhanced tree trimming



3. Proposed cable replacement north of Osage



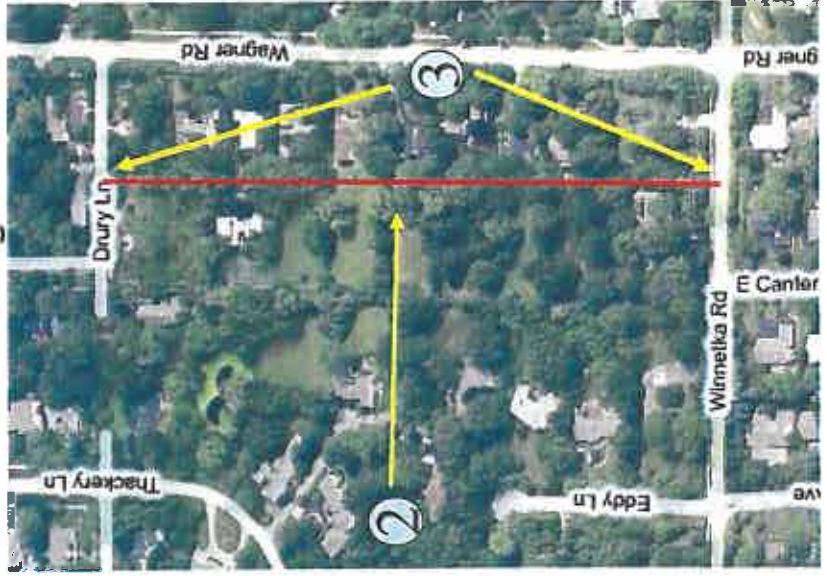
Glenview – Pocket Area



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Address the following pocket areas: Huckleberry, Ridgewood, Glen Oak Dr

1. Install trip-saver protection at locations along Wagner Rd
2. Install additional fusing in area north of Glen Oak Dr. Enhanced tree trimming.
3. Proposed installation of Hendrix cable in rear lot of Wagner Rd, south of Drury Ln and north of Winnetka Rd. Enhanced tree trimming.

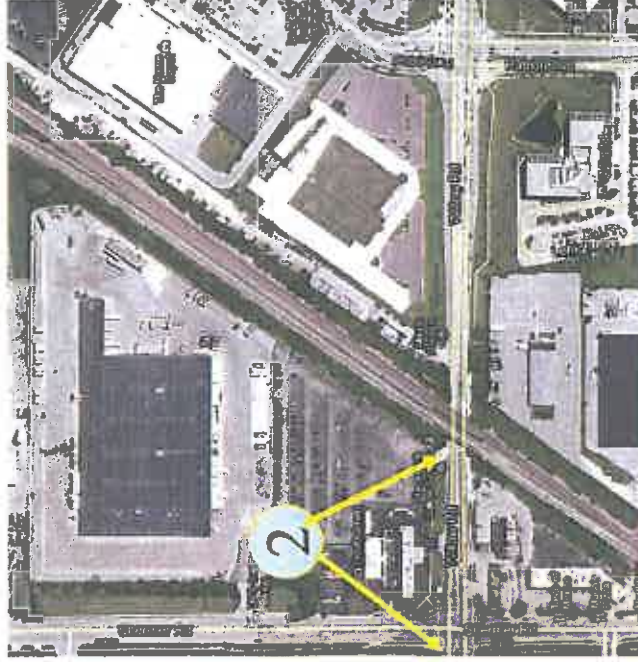


4. Testing of mainline cable and possible replacement along Northfield Rd.

Glenview – Pocket Area

Address the following pocket areas: Violet

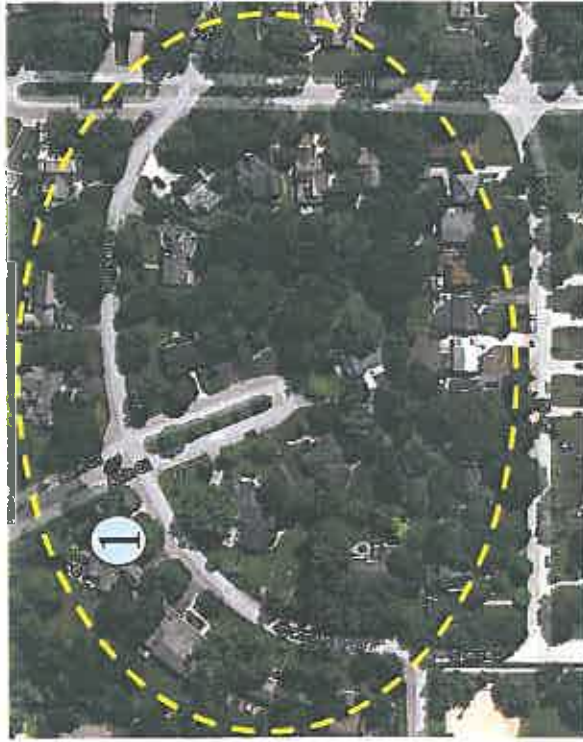
1. Proposed tree trimming and/ or tree removal in area of Sunset Ridge Rd between Rosewood Ct and Midway Rd.
2. VLF test cable near Willow Rd and Patriot, and replace as required. Install vehicle barriers near switchgear as required.



Glenview – Pocket Area

Address the following pocket areas: Swainwood, Elm

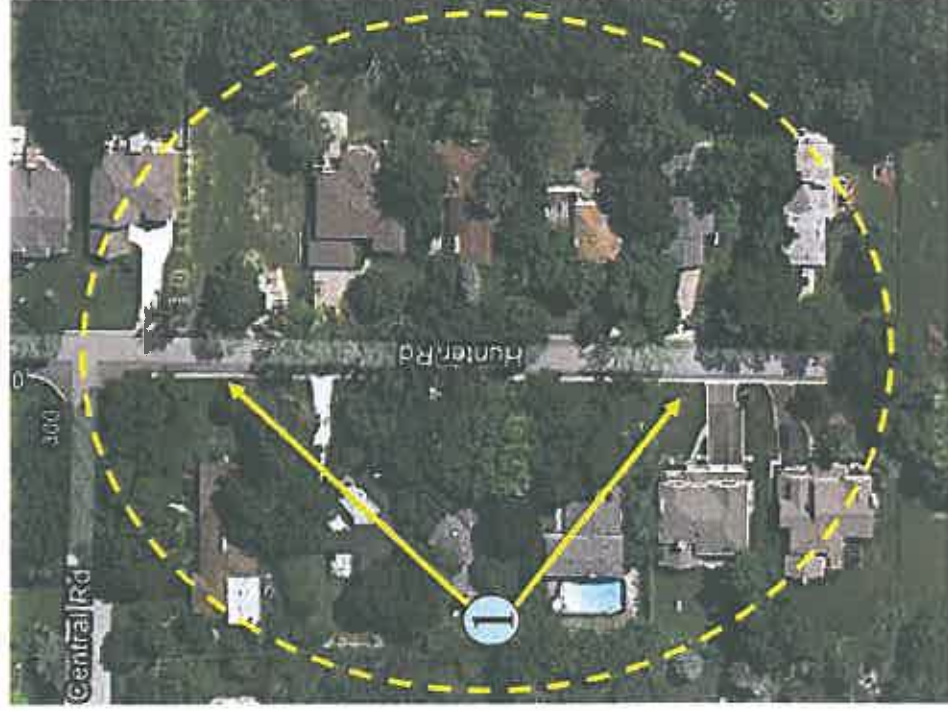
- 1. Vegetation assessment and enhanced tree trimming.
- 2. Single phase Hendrix may be installed where adequate tree clearance is not feasible.



Glenview – Pocket Area

Address the following pocket areas: Hunter

1. Vegetation review of entire circuit with enhanced tree trimming or removal.
2. Inspect all overhead transformers on entire circuit for wildlife protection and install / repair as required.



Glenview – Pocket Area

Address the following pocket areas: Indigo

1. This area does not have any chronic issues. There were two intentional outages in 2011 due to switching needed to perform other work on the system. There was an outage in 2010 due to mylar balloons on an overhead portion of the circuit.



Glenview – Pocket Area

Address the following pocket areas: Rebecca Lane

1. This circuit has had no lockouts for the last three years. There were URD cable faults in the area of Rebecca Ln. The outages will be monitored as part of the URD cable program which replaces aged cable on a cyclic basis.



Glenview – Pocket Area



An Exelon Company

Address the following pocket areas: Longvalley Rd

1. Circuit will be reviewed for vegetation and enhanced tree trimming will be performed as required. Install trip savers along taps as needed.



Glenview – Pocket Area

Address the following pocket areas: Virginia, Covert and Karen

1. There were tree related outages during storms in the area. Install trip saver.
2. Enhanced tree trimming will be performed along the circuit.
3. Proposed Hendrix installation east of Greenwood, between Central and Glenview Rd.



Glenview – Pocket Area

Address the following pocket areas: Pfingsten, Greenwood

1. Install trip savers and.
2. Install 2100' of HENDRIX cable
3. Perform enhanced tree trimming



Glenview – Pocket Area

Address the following pocket areas: Long

1. Area has no chronic problems. Recent outage was due to a broken limb during the July 11th storm. No previous outages in 2010 or 2009. Cyclic tree trimming will be performed in 2012.



Glenview – Pocket Area

Address the following pocket areas: Pfingsten, Limar, Lindenwood

1. Enhanced tree trimming
2. Install trip and fuse coordination



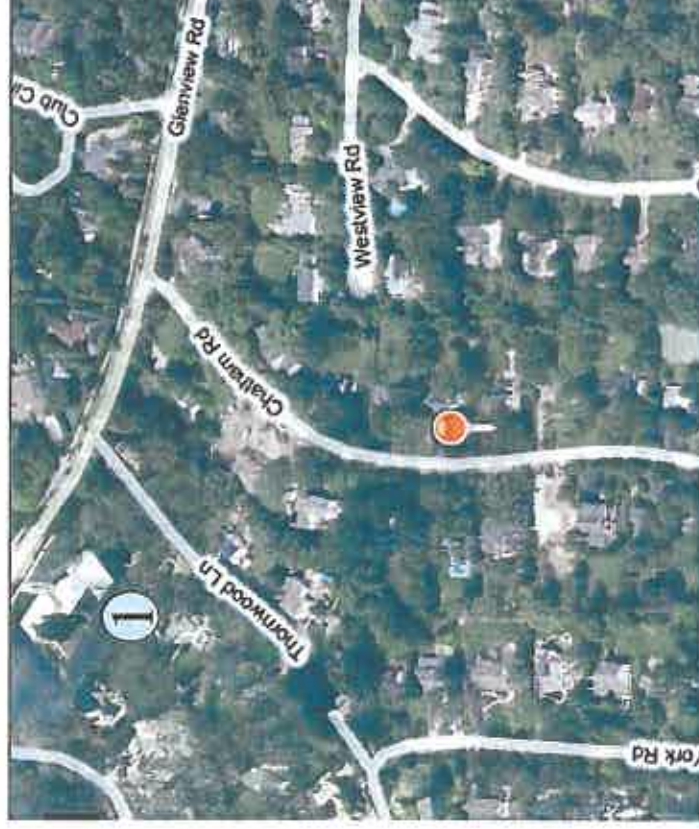
Glenview – Pocket Area



An Exelon Company

Address the following pocket area: Chatham

1. Outage history as follows: 7/11 to 7/13 in 2011, one previous outage in 2010 for 2 minutes in duration. No outages in 2009. This area does not have chronic reliability issues. Tree trimming will be performed in Q1 2012.



Glenview – SAIFI and CAIDI



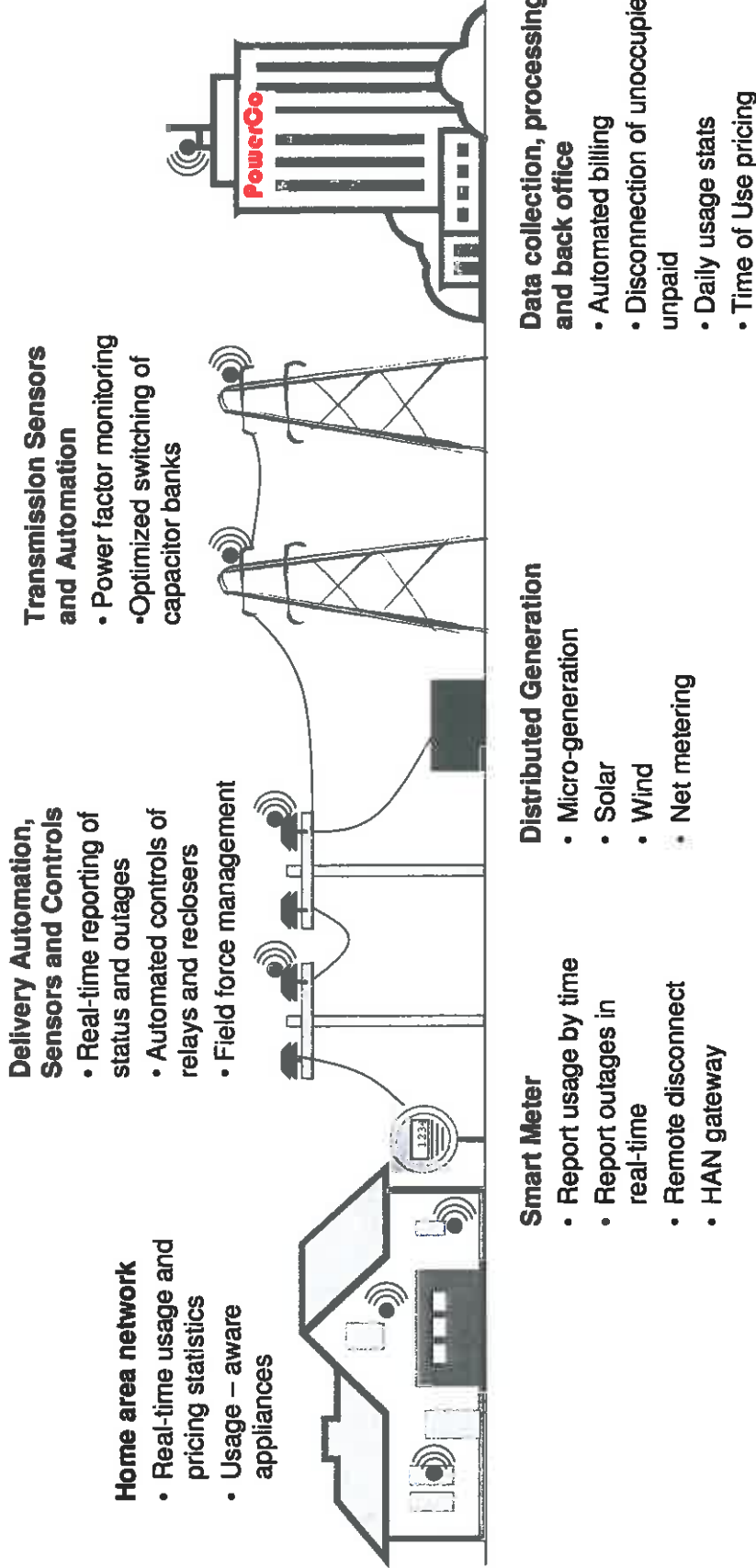
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	2011 YTD	2010	2009	2008
Non-Storm SAIFI	0.48	0.71	0.84	0.78
Storm SAIFI	0.88	0.32	0.2	0.11
TOTAL SAIFI	1.36	1.03	1.04	0.89
ComEd SAIFI	1.12	1.14	0.84	1.12
Non-Storm CAIDI	118	87	80	95
Storm CAIDI	1390	261	224	277
ComEd CAIDI	485	202	123	202

Smart Grid – Future Model



An Exelon Company



Smart Grid will deliver enhanced reliability and create new opportunity for customer control of energy usage and spend

Appendix B

Glenview Reliability Schedule Update

December 6, 2011

Introduction

- **Working collaboratively with the Village Manager and Staff over the past several months, ComEd has developed a comprehensive reliability enhancement plan specifically focusing on electrical reliability issues for the Village of Glenview.**
- **On Sept 6th , ComEd presented a plan to the Village Board to address reliability concerns from the summer storms as well as other areas of concerns raised in several constituent meetings.**
- **A project plan schedule has been developed to implement these reliability enhancement plans. Regular status updates will be provided to the Village as work commences.**

Glenview – Planned Work Schedule



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- Targeted Vegetation trimming to begin on 12/5/11 on the following circuits: C129, C253, C801, C905, C1211, C5810, C7213, C7215 and C7223. The anticipated completion for this work is on or before 12/31/11.

- Engineering for all work began on 11/10/11 and will be completed by 12/31/11.

- Hendrix Cable Installation for circuits C7213, C801, C7215 and C129 will begin 1/16/12 and will complete by 3/31/12.

- Construction work such as fuses, cable testing or replacement, and sectionalizing devices for the following circuits C7213, C1730, C7215, C801, C129, C253, C955 and C7223 will begin in late January for anticipated completion by 3/31/12.

- URD Cable Replacement has begun on C1730 Indian Ridge with completion before 12/31/11.

**Note: All scheduled work is subject to change based on weather or other circumstances.

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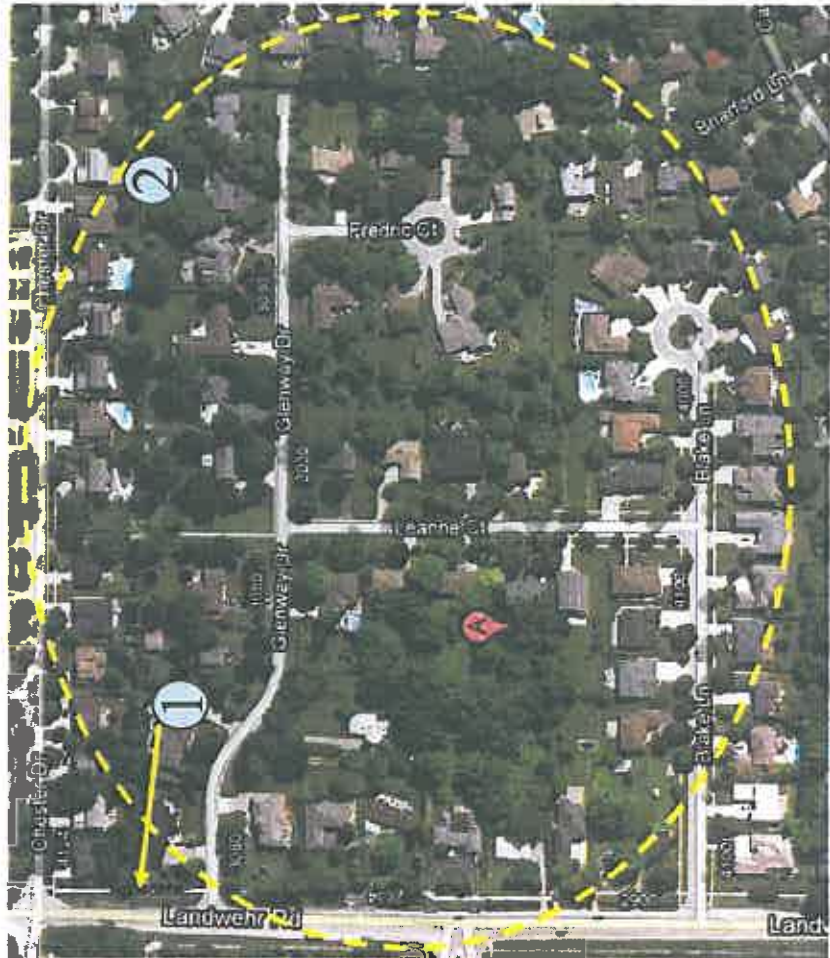
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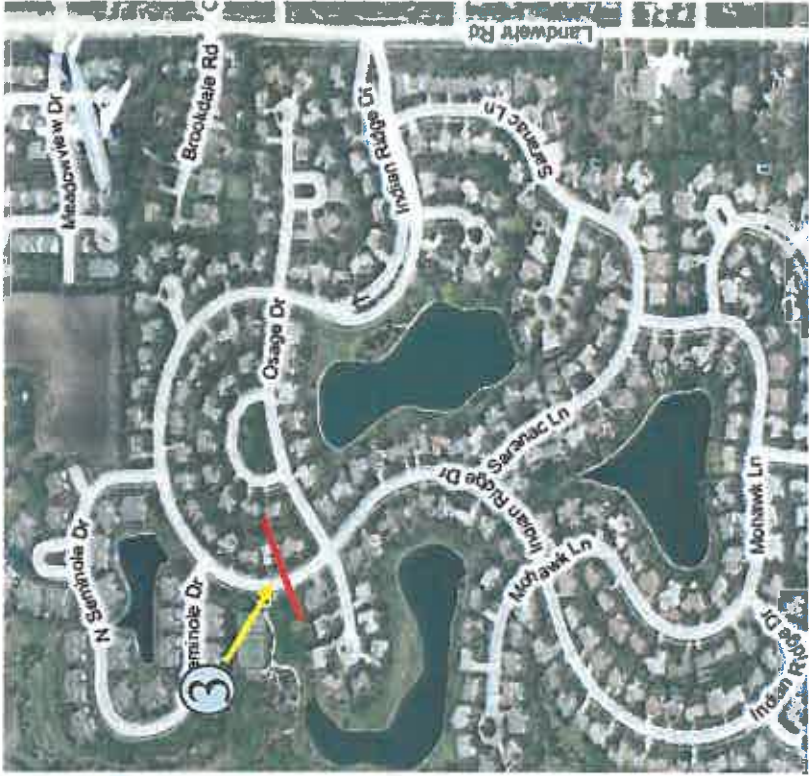
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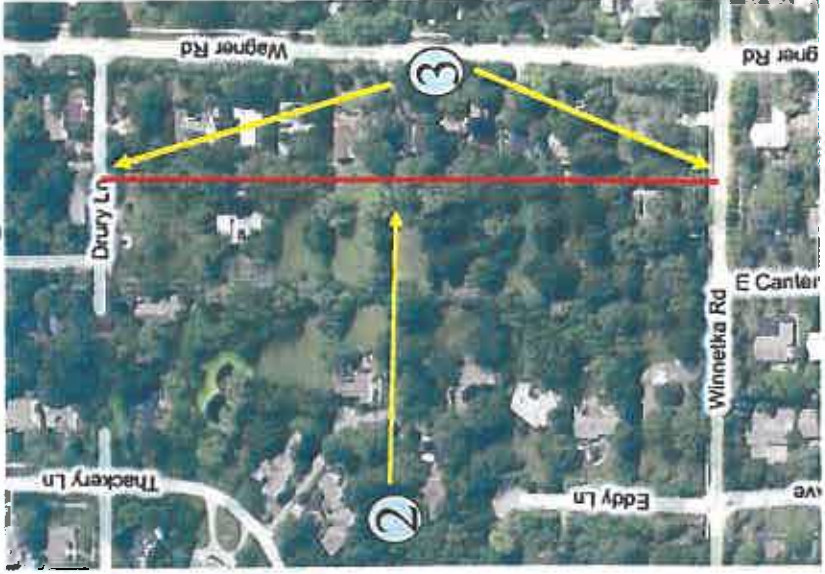
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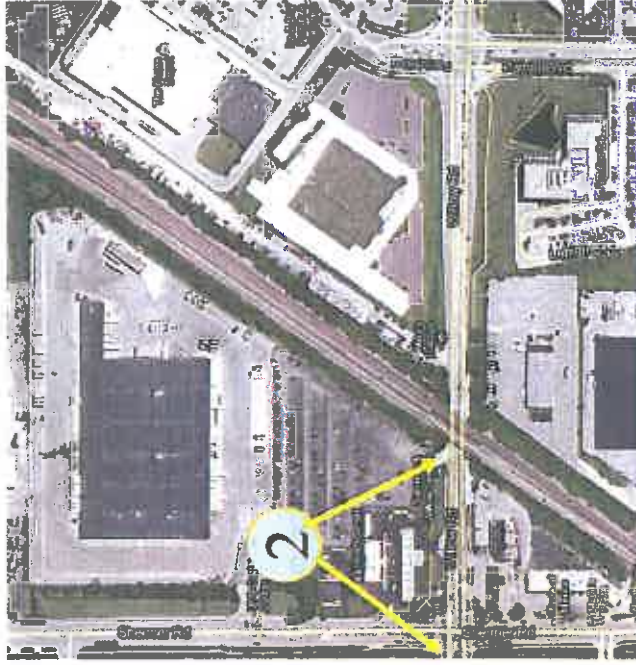


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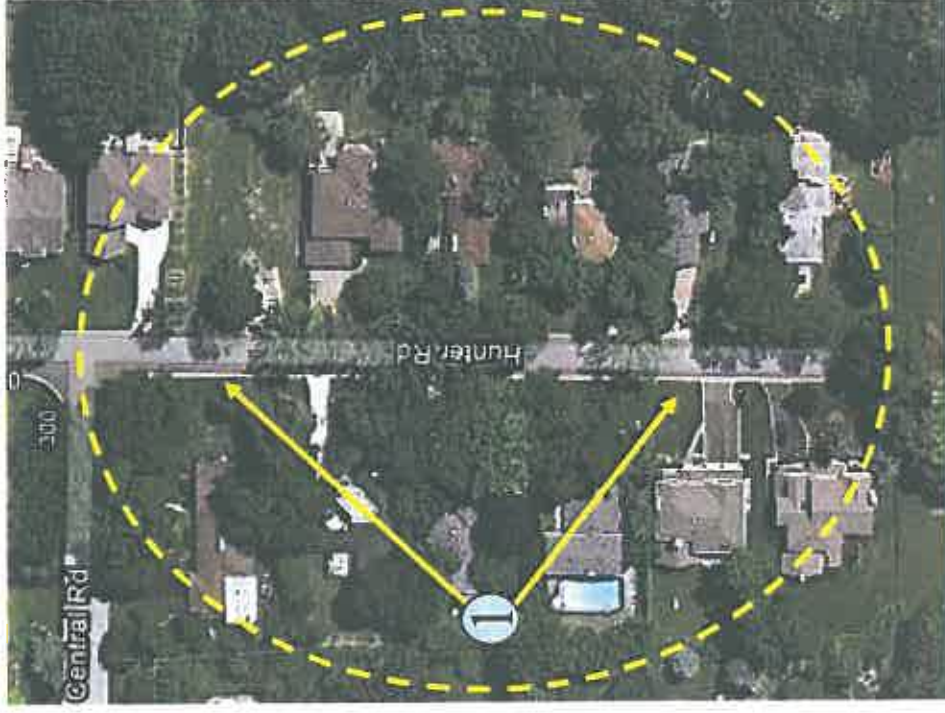
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