APPENDIX E – OPEN HOUSES

ComEd
An Exelon Company

PHASE III OF THE NORTHWEST RELIABILITY PROJECT
FACT SHEET

PROJECT BACKGROUND & DESCRIPTION

In the mid-1990s, projections forecasted rapid growth in the southeastern McHenry and northeastern Kane County area. At that time, ComEd began identifying alternatives that would ensure reliable electric service while supporting the area's growth. With community involvement, a three-phase plan now known as the Northwest Reliability Project was launched to build transmission lines and substations to meet the area's rapidly growing needs. As part of the project's first two phases, ComEd completed construction of a new substation north of Huntley in 1999, and a second substation was built near Algonquin in 2001.

ComEd is now collecting data for Phase III of the Northwest Reliability Project, which will include the proposed construction of a distribution substation near Interstate 90 (I-90) and State Route 47 (SR 47). This substation would be supplied by a proposed transmission line extending from ComEd's Gilberts Substation (see map on reverse) to an existing transmission line in southern McHenry County that was a component of the two initial phases. The proposed transmission line will be constructed using single-pole steel structures with two circuits, similar to the existing line mentioned above.

NEED & BENEFITS

Without reinforcing the area's transmission and distribution system, local electric reliability will deteriorate, jeopardizing the dependability of service for the area's residents and businesses. ComEd forecasts that beyond 2009, demand for electricity will exceed the current infrastructure's capacity.

- Increase Capacity to Serve New Customers
  - Along the I-90 and SR 47 corridors, ComEd has experienced an annual increase in demand of approximately 6 percent.
  - By 2009, growth in this area is expected to increase to 10 percent per year, or five times the average of the rest of the ComEd service territory. The proposed transmission line will be capable of handling the electric needs for the area's rapidly increasing number of customers.
  - The new distribution substation will relieve stress on critical electric facilities and support the area's future commercial and residential growth.

- Maintain Service Reliability to Customers
  - The project will allow the system to comply with ComEd standards to reduce the likelihood of an extended major outage. A major outage is defined as when a single event, such as a car hitting a pole, leaves more than 30,000 customers without service for more than four hours.
  - By 2010, absent reinforcement, ComEd would serve more than 30,000 customers through the Algonquin and North Huntley substations alone. Phase III will increase reliability by adding another pathway to serve the area's customers in the event of a service interruption along the normal transmission line.
  - The new substation will shorten existing distribution circuits, reducing the likelihood of service interruptions.

FACTS & FIGURES

- The area is currently adding about 2,500 new homes annually, which is expected to increase to 4,500 new homes per year by 2010 according to Metrostudy, a housing industry analyst.

- According to the U.S. Census Bureau, Kane County's population grew by 16 percent between 2000 and 2004, and McHenry County's population grew by 13 percent.

- In the Village of Huntley alone, the population more than doubled between 2001 and 2004.

ComEd
An Exelon Company

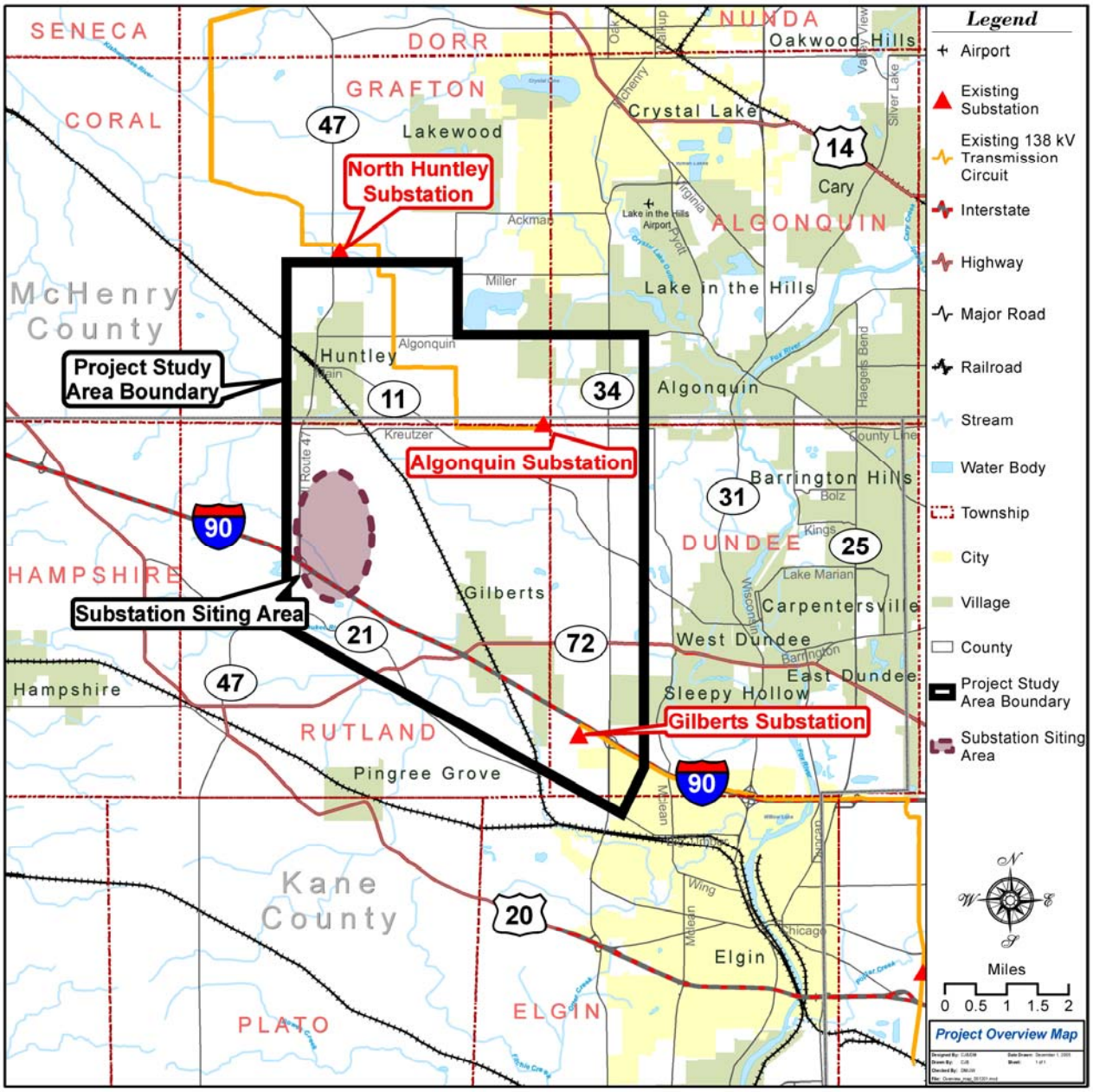
PHASE III OF THE NORTHWEST RELIABILITY PROJECT
FACT SHEET

COMMUNITY INVOLVEMENT

Community involvement is an important part of the transmission line siting process. ComEd will engage the public and interested parties during the planning stages of the project to seek input and feedback from local residents. Before beginning construction of Phase III, ComEd must seek the approval of the Illinois Commerce Commission.

SCHEDULE

- **Community Involvement.....Spring 2006**
- **File for Illinois Commerce Commission Approval.....Summer 2006**
- **Projected Construction Start .....Summer 2008**
- **Required In-Service Date.....Summer 2009**



PROJECT AREA

For additional information, please call 1-877-491-0112
or visit www.NWReliability-ComEd.com.

You're Invited to a Public Open House!

On Feb. 8, ComEd will host the first of a series of three different open houses to inform customers and seek input about Phase III of the Northwest Reliability Project.

The Northwest Reliability Project began in the mid-1990s to ensure reliable electric service for business and residential customers within fast-growing southeast McHenry and northeast Kane counties. With community involvement, the three-phase Northwest Reliability Project was launched to build transmission lines and substations to meet the area's needs. Phases I and II were completed in 1999 and 2001, respectively.

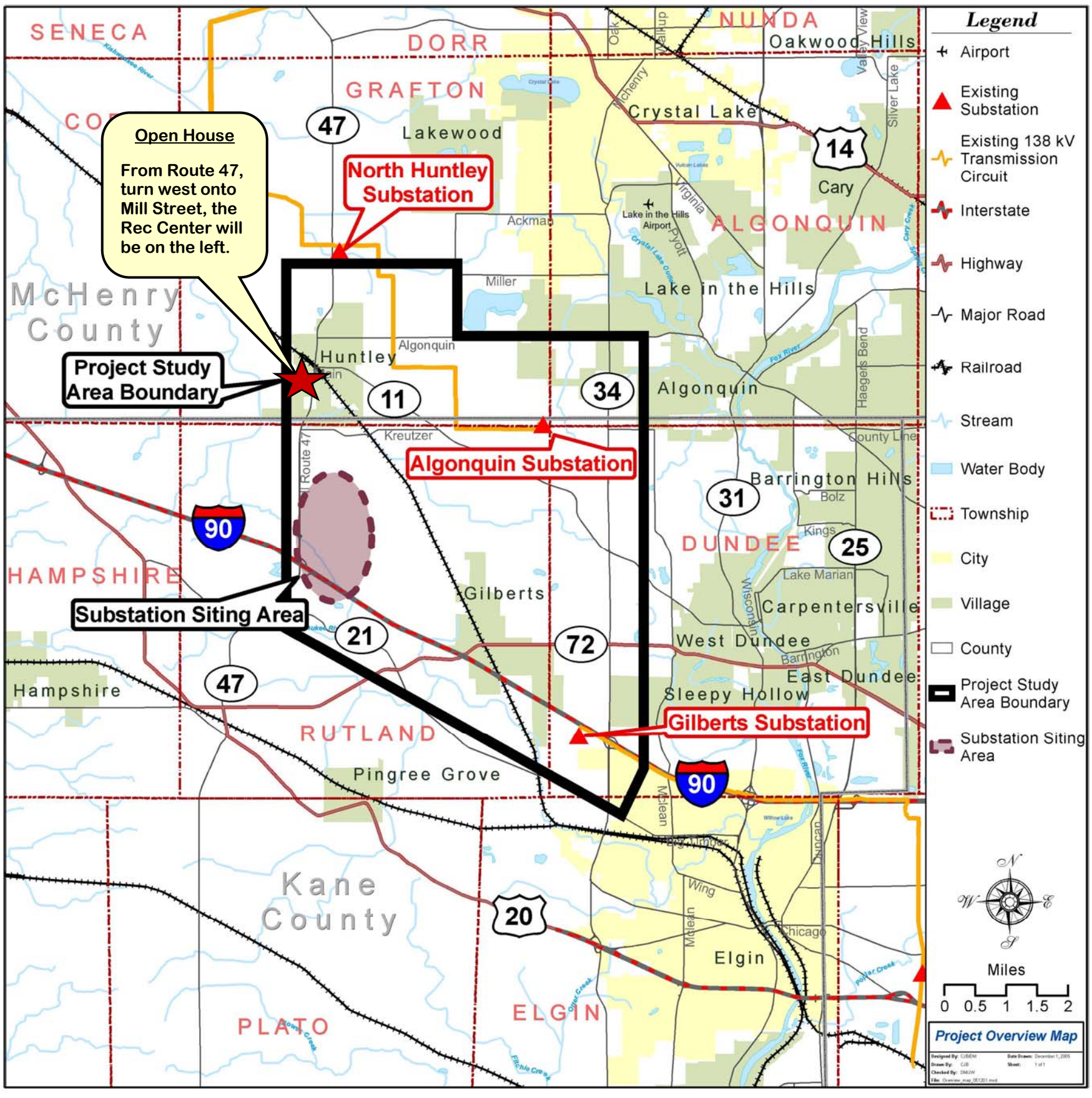
Phase III will include the construction of a distribution substation near Interstate 90 and State Route 47. This substation would be supplied by a transmission line extending from ComEd's Gilberts Substation (see map) to an existing transmission line in southern McHenry County.

We will discuss why Phase III is necessary to continue to provide reliable electric service to the region and collect local input. Two additional open houses will also be held in March and April.

Wednesday, February 8, 2006
4 p.m. – 7 p.m.
Huntley Park District Rec Center – Theater Room
12015 Mill Street, Huntley, IL 60142

Residents may arrive anytime between 4 p.m. and 7 p.m. The format for these open houses is informal, emphasizing one-on-one exchanges of information.

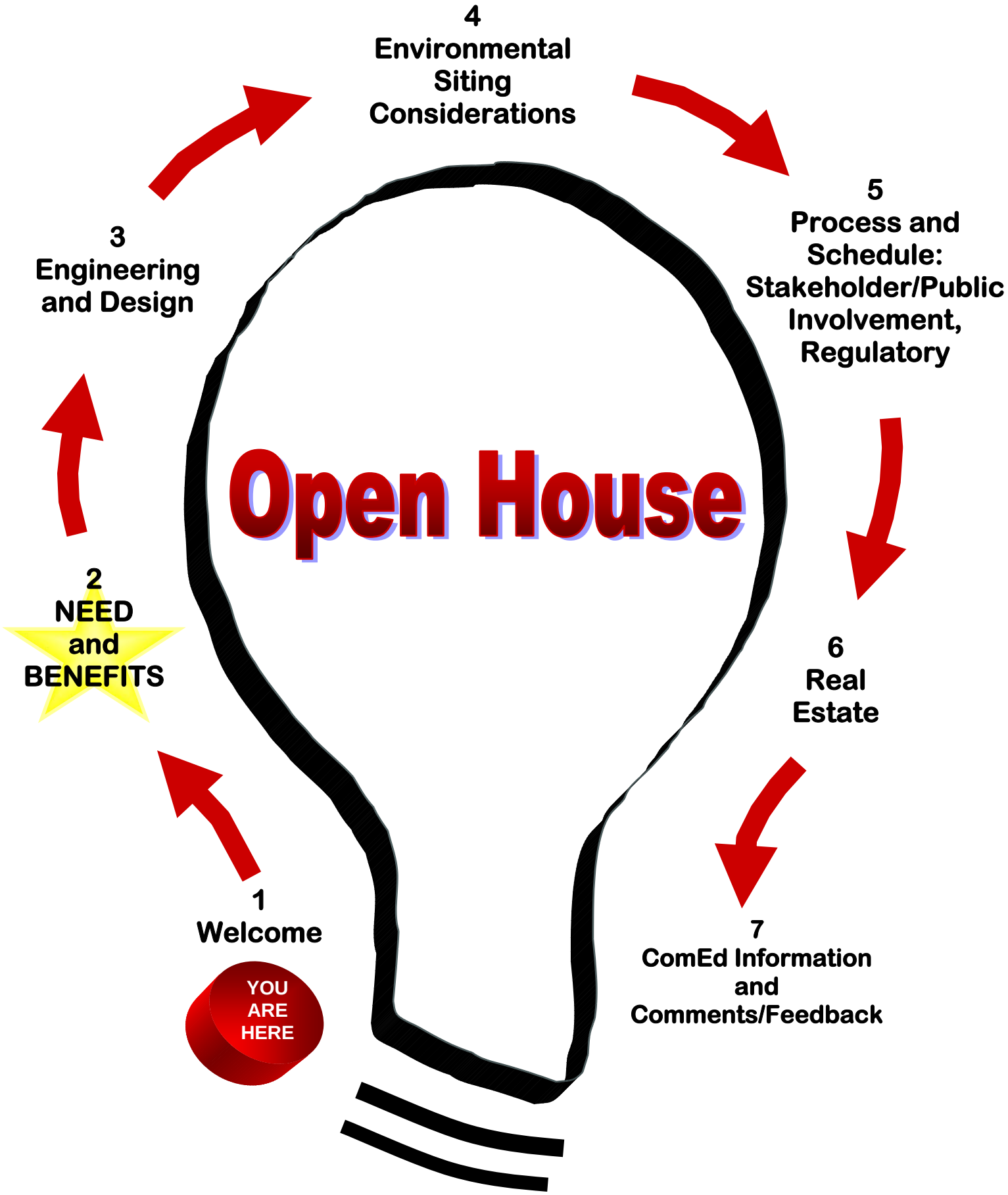
Project Study Area



For more information about Phase III of the Northwest Reliability Project, call toll free at 1-877-491-0112.

Station 1

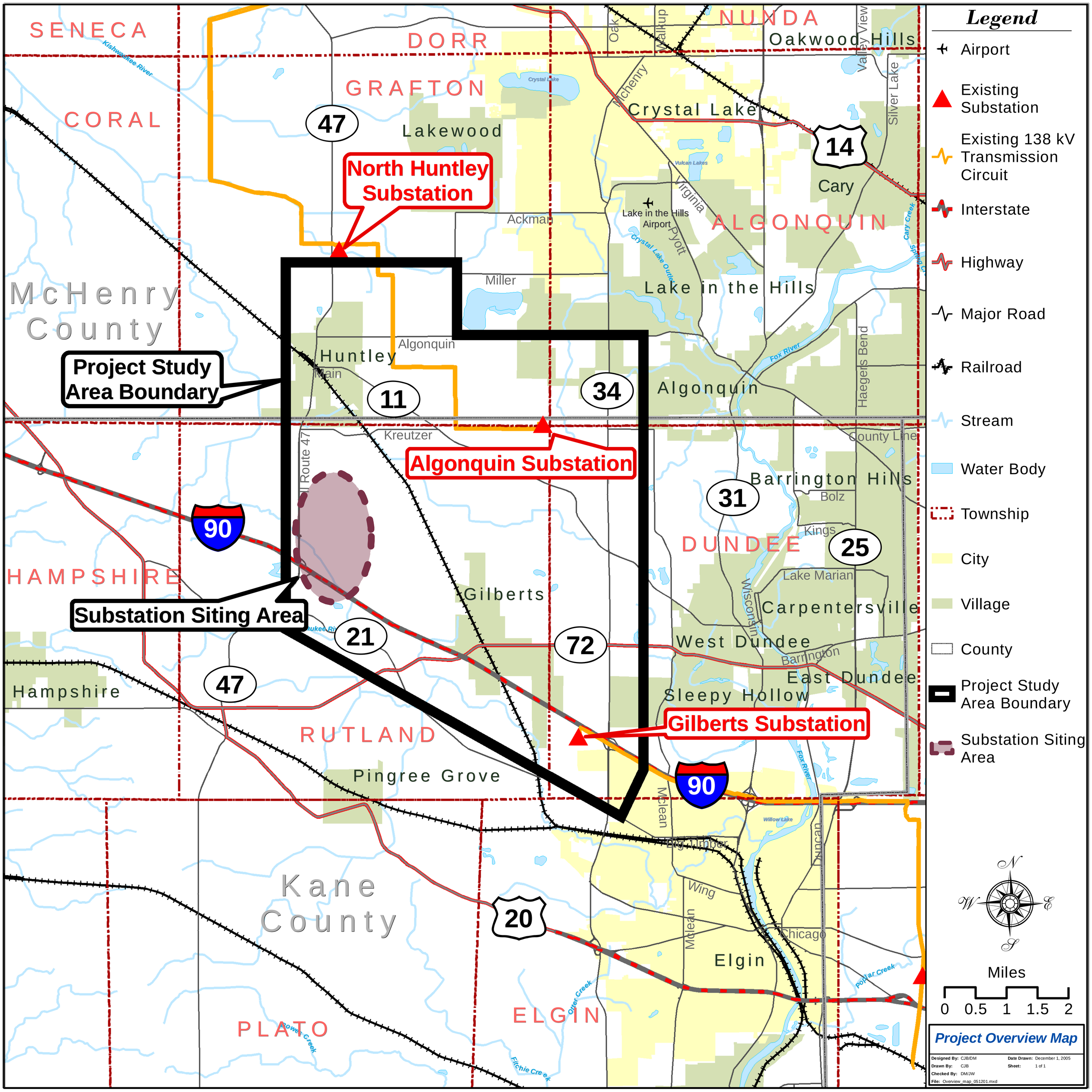
WELCOME

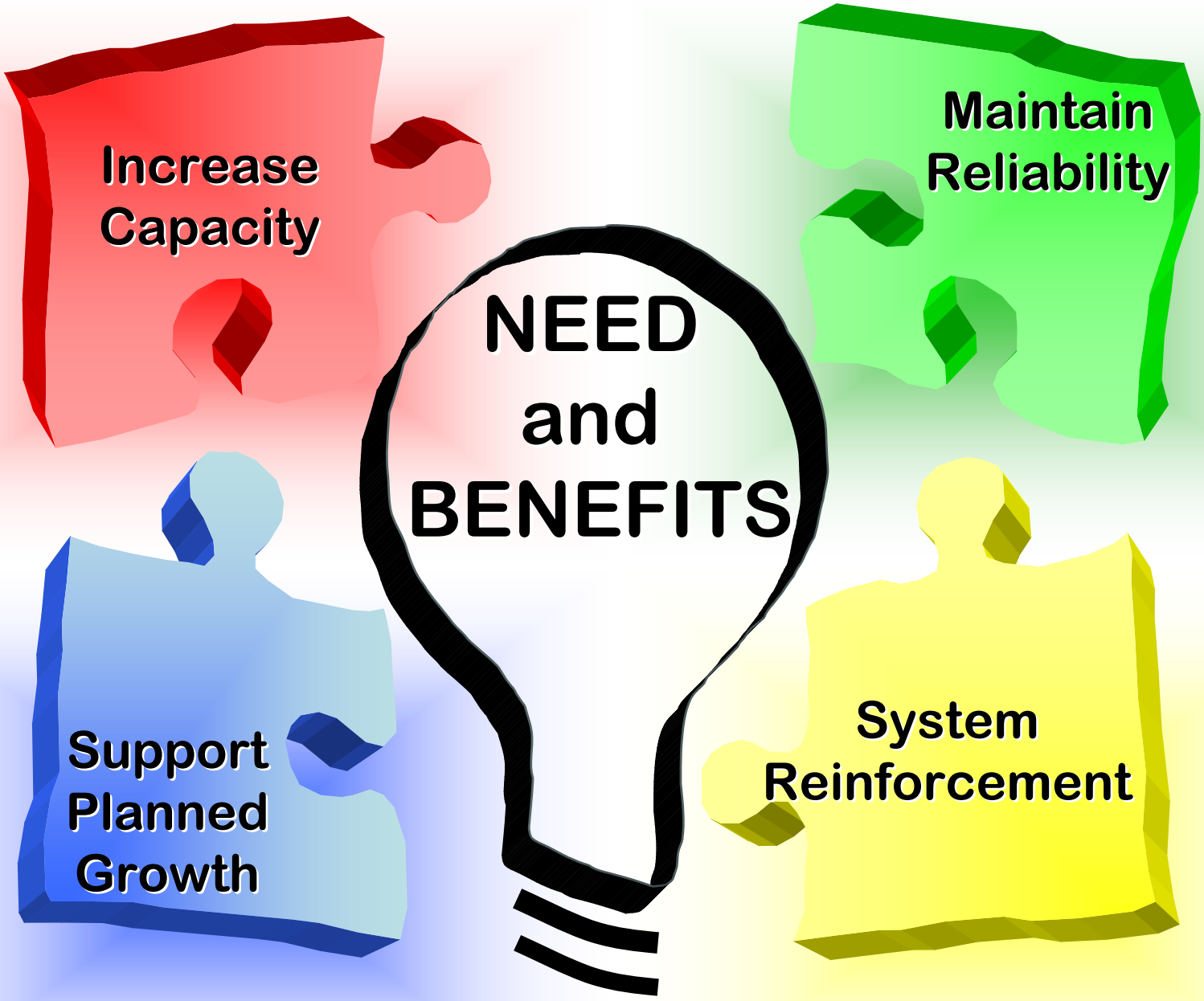


The format for the Open House is informal, emphasizing a one-on-one exchange of information so that individuals can discuss their issues.

Station 2

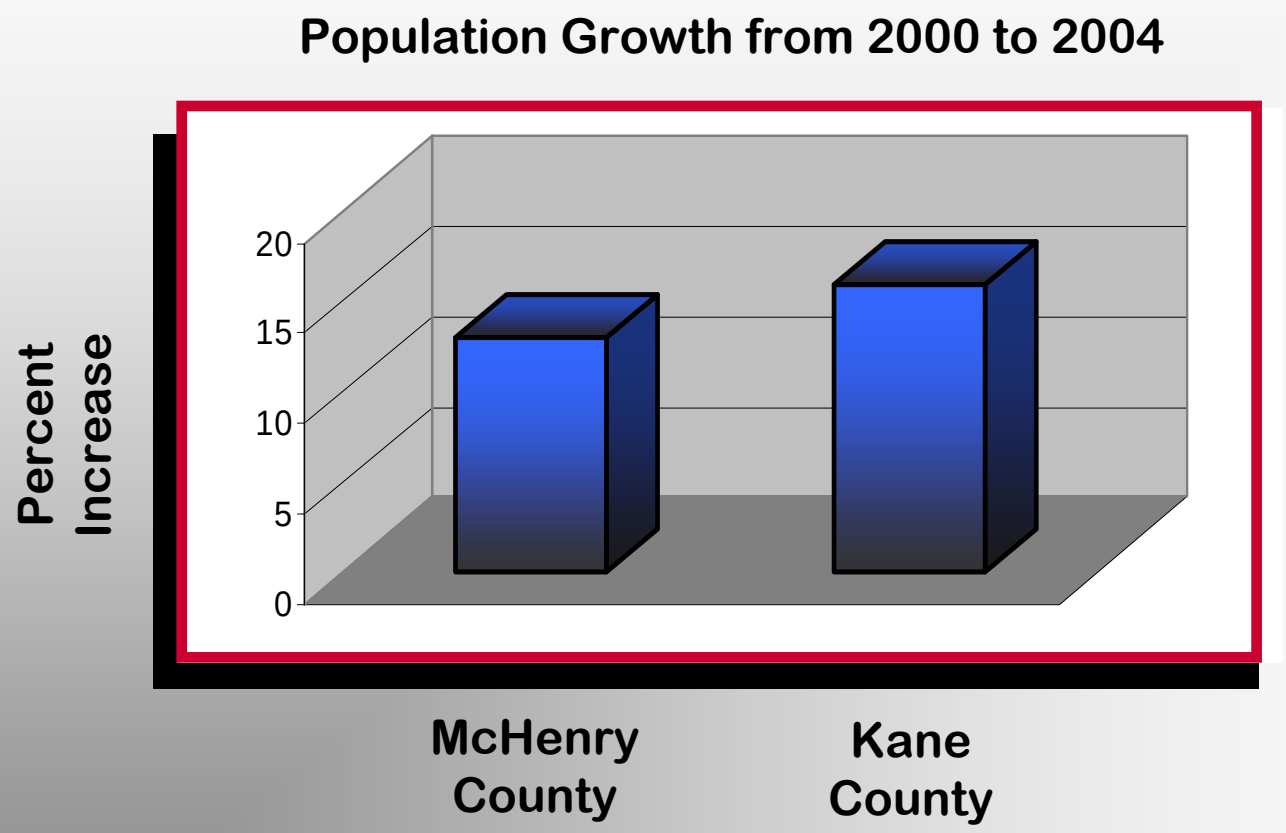
NEED
and
BENEFITS


SENECA
DORR
NUNDA
Oakwood Hills
GRAFTON
CORAL
Lakewood
Crystal Lake
47
14
North Huntley Substation
Cary
Lake in the Hills Airport
ALGONQUIN
Ackman
Miller
Lake in the Hills
McHenry County
Project Study Area Boundary
Huntley
Algonquin
11
34
Algonquin
Kreutzer
Algonquin Substation
Barrington Hills
31
Bolz
Kings
25
DUNDEE
90
HAMPSHIRE
Gilberts
Lake Marian
Carpentersville
Substation Siting Area
21
72
West Dundee
East Dundee
Hampshire
47
Sleepy Hollow
Gilberts Substation
RUTLAND
Pingree Grove
90
Kane County
20
Elgin
Chicago
PLATO
ELGIN
Legend
Airport
Existing Substation
Existing 138 kV Transmission Circuit
Interstate
Highway
Major Road
Railroad
Stream
Water Body
Township
City
Village
County
Project Study Area Boundary
Substation Siting Area
Miles
0 0.5 1 1.5 2
Project Overview Map
Designed By: CJB/DM
Date Drawn: December 1, 2005
Drawn By: CJB
Sheet: 1 of 1
Checked By: DM/JW
File: Overview_map_051201.mxd



KEEPING THE LIGHTS ON

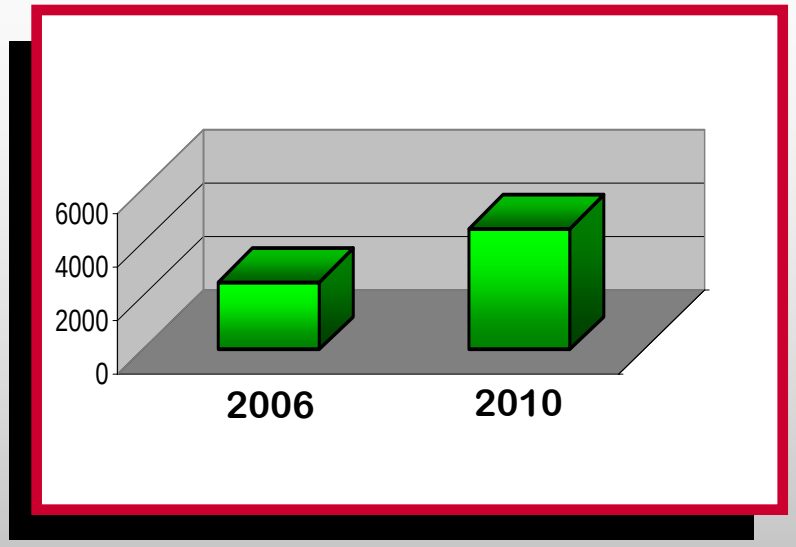
Growth in the Study Area



Village of Huntley's population more than doubled during this time.

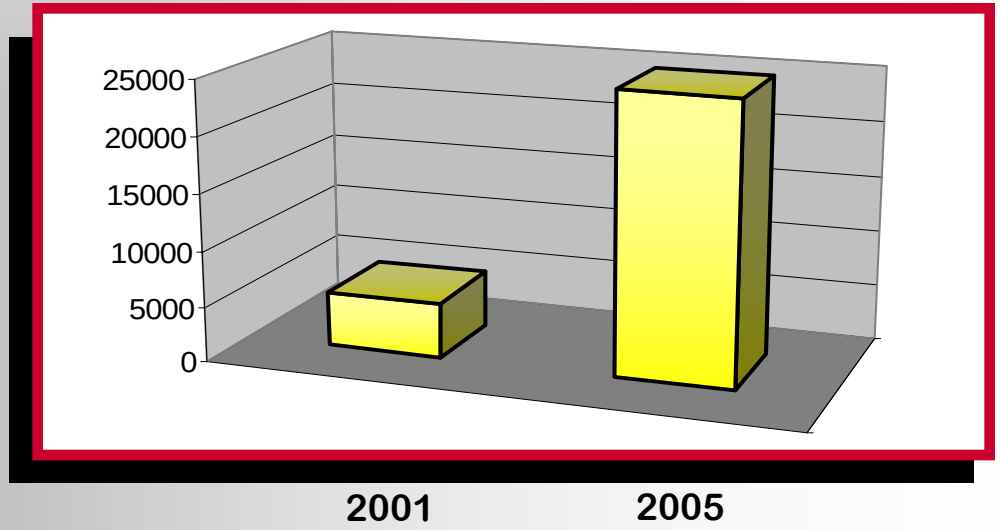
Future Growth in the Study Area

Expected Annual Housing Increase



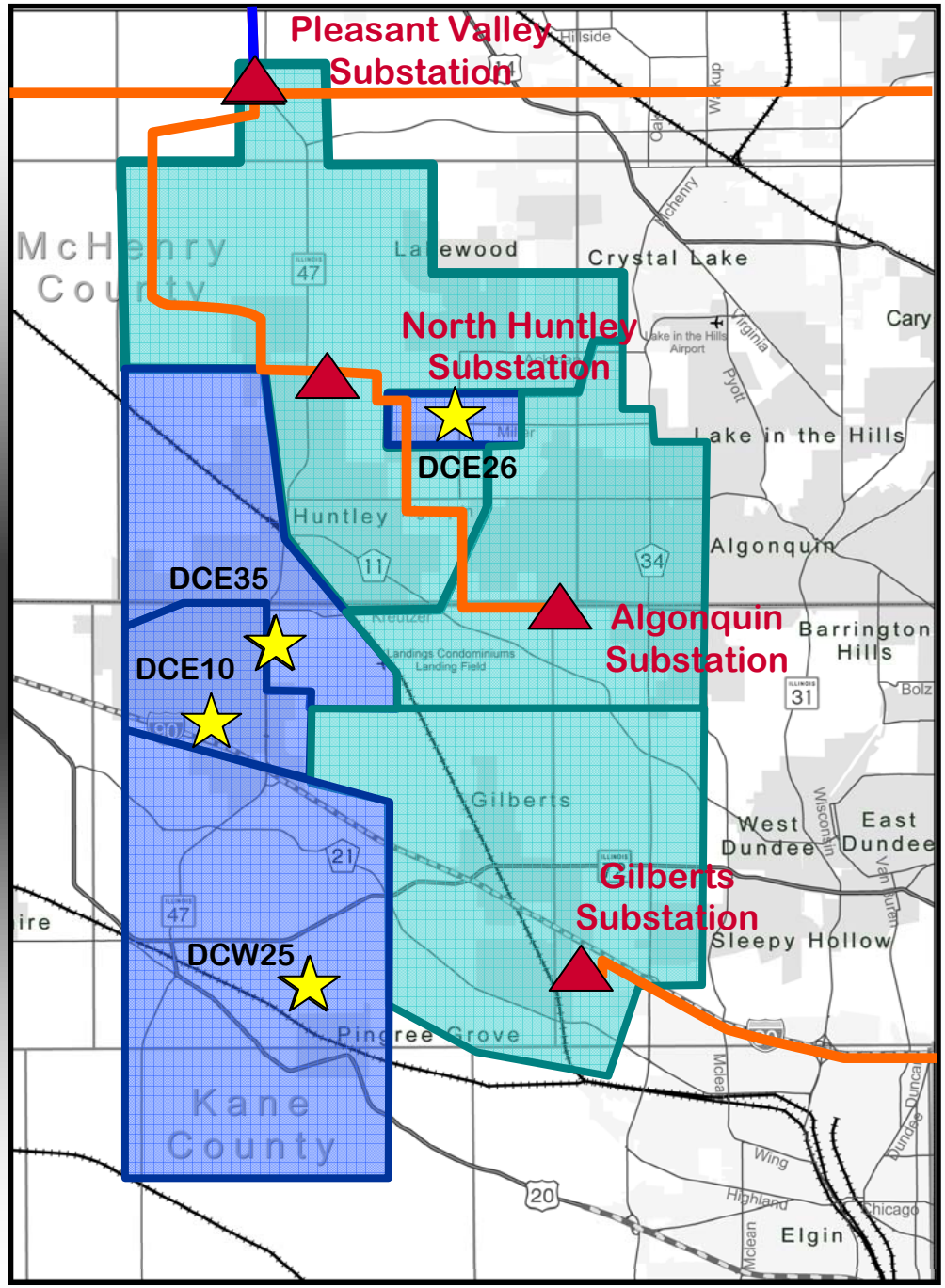
New Homes

Lots for Future Residential



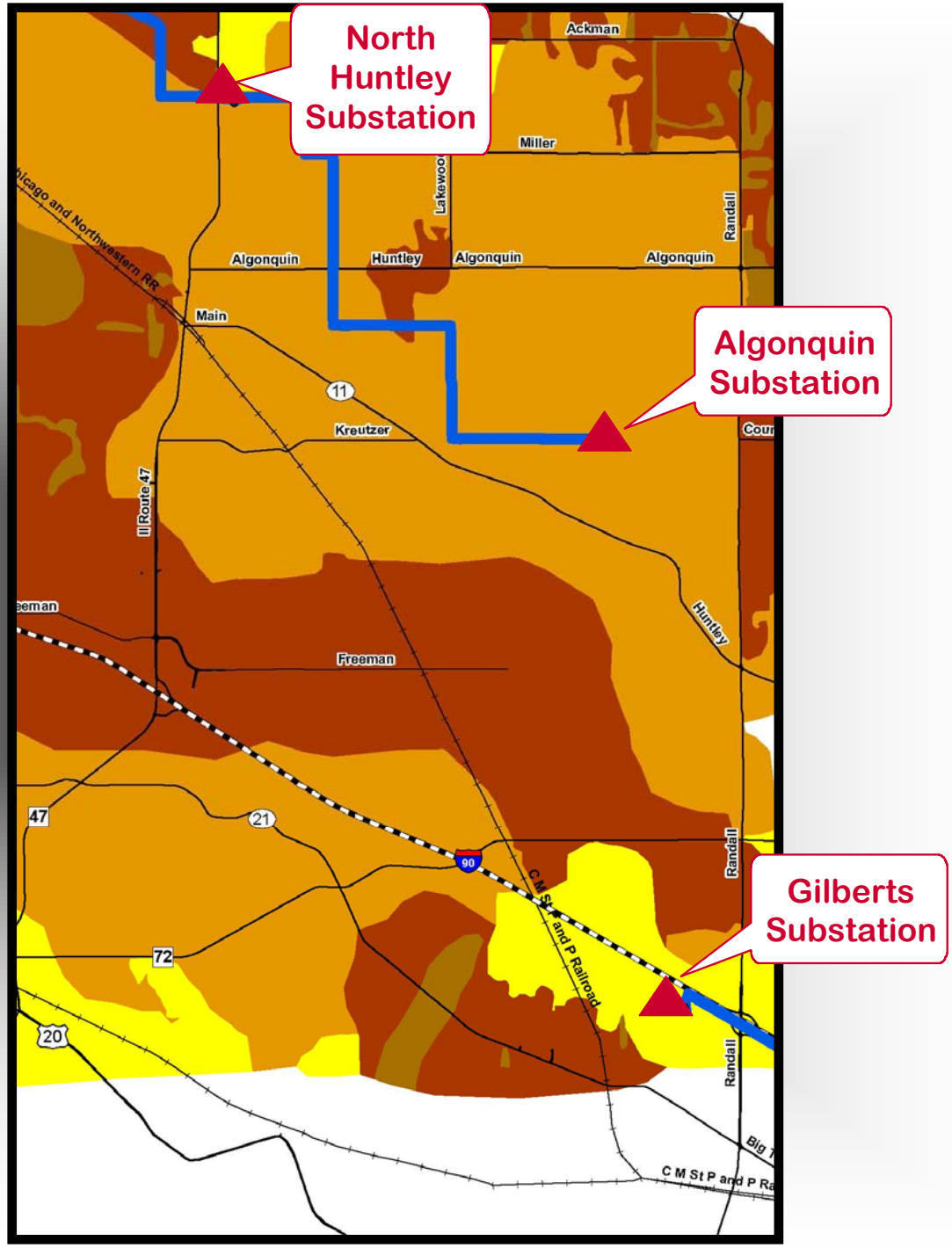
Source: MetroStudy Huntley Trade Area Housing Market Forecast, October 2005

Approximate Coverage of Neighboring Substations that Serve the Huntley/Rutland Area Today



Demand on Existing Infrastructure

Percent Feeder Use

Anticipated Loading in 2006 without Reinforcement

- 100% or Higher - Needs Upgrading
- 90% - 100%
- 70% - 90%
- 45% - 70%
- 45% or Lower