

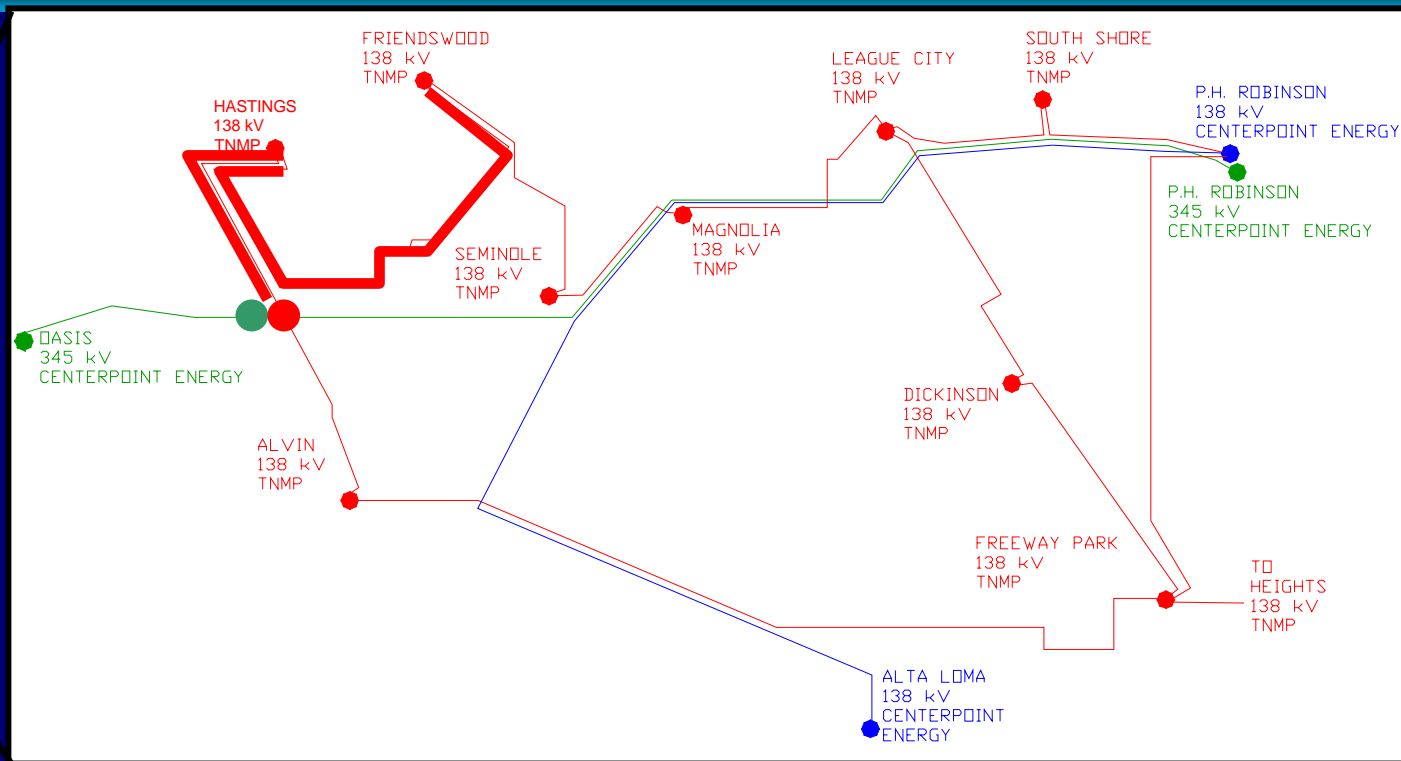


# **Texas-New Mexico Power & CenterPoint Energy Alvin 345/138 kV Tie Project**

**Bill Bojorquez**  
January 16, 2007

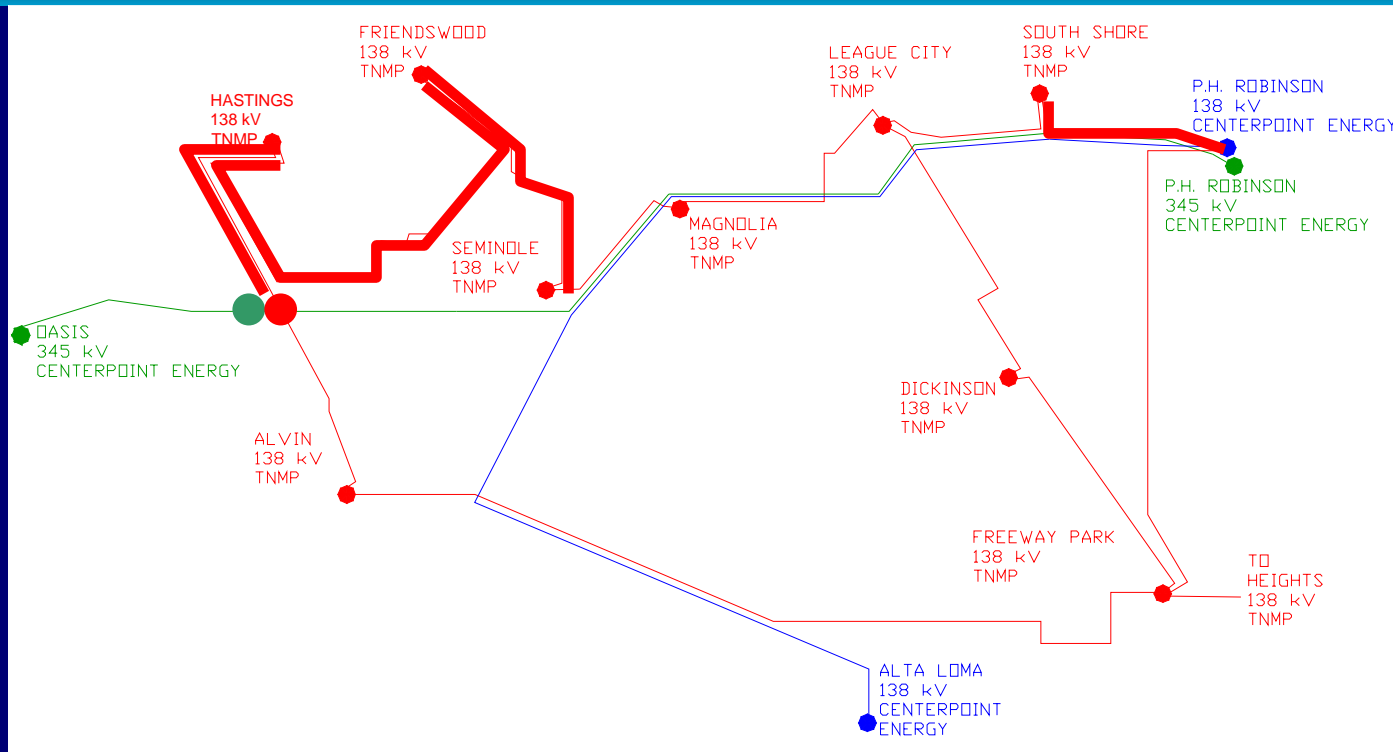
# Description of Project - 2007

## Houston Area



- Build 345/138 kV station and loop PH Robinson to Oasis 345 kV line into this station
- Loop existing Hastings to Alvin 138 kV line into new station
  - Rebuild this line from new station to Hastings
- Rebuild Hastings to Friendswood 138 kV line
- Cost \$19.4 M (2006 dollars)

# Associated Long Term Projects – 2010+



- Rebuild South Shore to P.H. Robinson 138 kV line
- Rebuild Friendswood to Seminole 138 kV line
- Cost \$5.1 M (2006 dollars)



# Projects Needed for Reliability

- **Generation re-dispatch will not be able to relieve post-contingency loading during peak load by 2007**
- **Occurs with single and multiple line outages**

- **TNMP considered eight options**
- **ERCOT studied the two least expensive of TNMP's eight options in depth**
- **Recommended Project is the least expensive option considering the long term (2015) needs of the area**

- **The Stakeholder review period for this project was held in August 2006**
- **There were no dissenting comments on this package of projects and TNMP resolved all questions**
- **TAC voted in support of this project**



# ERCOT Board Endorsement

**ERCOT supports the need for this project, as described, and requests that it be endorsed by the Board**