SWB and Entergy Reliability Initiative



January 2019

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Overview

- Entergy and S&WB have formed a Joint Reliability team to identify and implement measures to increase reliability to S&WB facilities and transition to Entergy as primary source of reliable and economic power
- The New Orleans Power Station (NOPS) is a cornerstone of Entergy's ability to provide reliable and economic power to S&WB
 - NOPS will ensure grid stability and prevent cascading outages that could interrupt service to any new substation
 - NOPS will also help serve any new pumping load as S&WB transitions away from generating its own power to Entergy as its primary source of power
 - NOPS will provide a local source of blackstart power close to the City that can support S&WB operations following extreme weather events
- Measures designed to increase reliability to S&WB facilities assume NOPS is constructed absent NOPS those measures may prove ineffective
- Entergy will continue to collaborate with S&WB, and it is critical to recognize that NOPS and providing reliable service to S&WB go hand in hand



BUSINESS DEVELOPMEN'

Joint Reliability Team

Boil Water Advisories over recent years have increased due to Power Quality issues at Carrollton Plant

Nov 5, 2018 Entergy and SWB agree to reconvene their joint Reliability Team Joint Reliability Team met on:

> 12/5/18 12/18/18 1/16/19

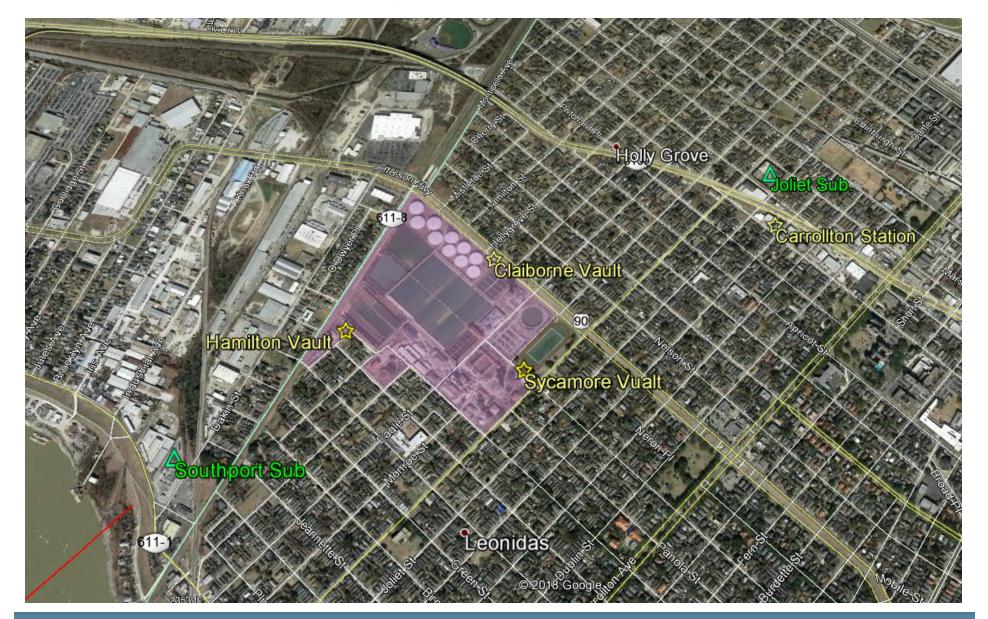
To develop solutions Joint Reliability Team produced an initial solution set and continues to refine the details



Results of Joint Reliability Team Efforts:

- Short Term Risk Mitigation Efforts
- Mid-Term Improvement Options
- Long Term Solution

Area Map – Carrollton Plant



Short Term Risk

Mitigation



Mid-Term Improvement Options



Long Term Solution





N.O. SWB Reliability Initiative

Next Steps

GOAL:

Implement a customer focused solution to reliably and cost effectively serve electrical power requirements for New Orleans SWB.

TEAM

Entergy

N.O.

SWB

Michael Gravolet Drew Thompson Seth Cureington Lamart Buggage Earl Vedros, Jr Randall Roberts Derrick Claiborne John Kingston Darren Dehesa Lajon Jordan Kevin Haas Tad Patella Frank Morse Chris Gremillion Paul Mazant Joe Payne **Clay Adams** Bill Sones Bryan Hebert Ghassan Korban Fric Labat Bruce Adams **Richard Rainey**

Ron Spooner Robert Turner Schedule meeting for Distribution sub-team

2/1/19 – Finalize scope for providing 7.5MVA of total capacity at Hamilton and/or Claiborne delivery point (short term mitigation)

02/13/19 – Conduct team meeting #3 with customer technical team. Present short term reliability improvement that Entergy Management has approved for implementation.

02/13/19 – Prepare billing estimates for service from new substation.