

Entergy 2010-2012 Draft Construction Plan

Project Driver	Project Description	Cost Allocation Guideline	Project Category
Block load addition	Projects needed to accommodate the addition of block loads beyond expected normal load growth	Attachment T	CP (load related)
Load growth	Projects needed to reliably serve expected normal load growth	Attachment T	CP (load related)
Transmission Reliability - Maintaining Infrastructure	Projects needed to maintain existing infrastructure or existing levels of reliability	Attachment T	CP (AM related)
Transmission Reliability - Meeting Planning Criteria	Projects needed to meet NERC Reliability Standards, SERC Supplements, and Entergy Transmission Local Planning Criteria	ICT to determine	CP (others)
Transmission Reliability - Regulatory	Projects to satisfy regulatory requirements	ICT to determine	CP (others)
Transmission Service	Projects needed to accommodate new transmission service requests	ICT to determine	CP (others)
Economic	Projects anticipated to yield production cost savings	ICT to determine	CP (others)
Enhanced Transmission Reliability	Projects yielding transmission reliability levels above those specified in local planning criteria	ICT to determine	CP (others)
Customer Driven	Customer driven (other than reliability)	ICT to determine	CP (others)
Generation Interconnection	Projects to interconnect new generation	ICT to determine	CP (others)

Terminology (Funding Comments)

Approved	Project construction is funded and Entergy is committed to completing it by the projected in service date
Proposed & In Target	Project is currently funded for scoping and preliminary engineering and the expected construction commencement date is within the 3-year Construction Plan horizon

Caveats!

This list of approved and proposed projects is fluid.

Budget adjustments throughout the year could alter this list.

"Out-of-cycle" projects, such as customer-driven projects, could be appended to the list as needed.

Notes:

"Carryover" projects are those projects approved in prior budget year, but whose in-service date is expected to be beyond budgeted year.

Addendum: Identified Target Areas

Identified Target Areas are areas with reliability concerns. For some areas, specific potential projects have been identified. However, the construction start dates of the potential projects or possible solution sets are beyond the 3-year Construction Plan horizon. These projects and associated projects are not part of the 2010-2012 Entergy Construction Plan.

Construction Plan Projects Relating To:

- **Transmission Reliability - Meeting Planning Criteria**
- **Transmission Reliability - Regulatory**
- **Transmission Service**
- **Economic**
- **Enhanced Transmission Reliability**
- **Customer Driven**
- **Generation Interconnection**

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Existing in 2009-2011 Construction Plan						
New Addition						
August 2009 Addition / Modification						
Project Driver	Project Name	LE	Current Projected In-Service	2009 Funding Comments	Project Status	Other Comments
Transmission Reliability - Meeting Planning Criteria	Hamlet 161 kV Substation: Install 161 kV Breaker on Conway Industrial Line	EAI	Summer 2009	Approved	Complete	Eliminate risk for transmission contingency
Transmission Reliability - Meeting Planning Criteria	Gillette 115 kV Substation: Install 10.8 MVAR Capacitor Bank	EAI	Summer 2009	Approved	Construction	Final part of 2 part project to improve voltage profile in the area between Helena and Stuttgart
Transmission Reliability - Meeting Planning Criteria	Conway West - Donaghey 161 kV Line: Reconductor with 666 ACSS	EAI	Summer 2009	Approved	Complete	Increase Load Serving capability in Conway Area
Transmission Reliability - Meeting Planning Criteria	Danville 161 kV Substation: Upgrade Terminal Equipment to match or exceed Magazine line ratings	EAI	Fall 2009	Approved	Construction	Project to eliminate overloads for loss of ANO-Ft. Smith EHV line
Transmission Reliability - Meeting Planning Criteria	Donaghey - Conway South 161 kV Line: Reconductor with 666 ACSS	EAI	Winter 2009	Approved	Design/Scoping	Increase Load Serving capability in Conway Area
Transmission Service	SMEPA (Plum Point): * Dell - Manilla 161kV Line: Upgrade to at least 247MVA * Manilla - Monette 161kV Line: Upgrade to at least 247MVA * Jonesboro North - Paragould South 161kV Line: Upgrade to at least 247MVA * Jonesboro North - Jonesboro 161kV Line: Upgrade to at least 247MVA	EAI	Summer 2010	Approved	Construction	Transmission service
Transmission Reliability - Meeting Planning Criteria	Beebe 115 kV Substation: Install 21.6 MVAR Capacitor Bank	EAI	2010	Proposed & In Target	Design/Scoping	Project to address ICT 100 MW rule
Transmission Reliability - Meeting Planning Criteria	Mt. Ida 115 kV Substation: Install 10.8 MVAR Capacitor Bank	EAI	2010	Proposed & In Target	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Melbourn - Sage 161 kV Line: Upgrade line to at least 1200 A	EAI	Winter 2010	Proposed & In Target	Design/Scoping	
Transmission Service	Transmission Service (OG&E) Upgrade ANO - Russelville North 161 kV Line to 546 MVA Upgrade Russelville East - Russelville South 161 kV Line to 448 MVA	EAI	Winter 2010	Approved	Design/Scoping	Accelerated ISD one year
Transmission Reliability - Meeting Planning Criteria	Sarepta Project (NW Louisiana/South Arkansas Voltage Support Plan) Add 10.8 MVAR capacitor bank at Emerson 115 kV substation	EAI	Summer 2011	Approved	Design/Scoping	Revised bank size to 10.8 MVAR instead of 32.4 MVAR
Transmission Reliability - Meeting Planning Criteria	Osage Creek-Grandview New Line Build new 161 kV (At Least 1200 A) line from Grandview (Planned SPA 161 kV Substation tapped on the Eureka - Table Rock 161 kV Line) to Osage Creek	EAI	2011	Proposed & In Target	Design/Scoping	Project to increase reliability to load in NW Arkansas, specifically along the Harrison - Eureka Springs 161 kV line Exploring other options with customer. Accelerated ISD.
Transmission Reliability - Meeting Planning Criteria	Harrison East to Everton Road 161 kV Line: Upgrade Harrison East Terminal Equipment to 1200 A	EAI	2011	Proposed & In Target	Design/Scoping	Replaces St. Joe to Hilltop project identified in the ICT base plan.
Transmission Reliability - Meeting Planning Criteria	Holland Bottoms (Cabot EHV): Construct new 500/161/115 kV substation Phase 1 Projects (2011) Tap the Keo - ISES 500 kV Line Tap the Cabot - Jacksonville North 115 kV Line Install 500 kV and 115 kV Busses and a 600 MVA 500 kV / 115 kV Autotransformer	EAI	2011	Proposed & In Target	Design/Scoping	Project to improve reliability in Little Rock during heavy transfers and and loss of Mabelvale autotransformer. Accelerated ISD 2 years.
Transmission Service	Transmission Service (Aquila) Upgrade Hot Springs - Bismark 115 kV Line to 176 MVA Upgrade Bismark - Alpine 115 kV Line to 176 MVA Upgrade Alpine - Amity 115 kV Line to 176 MVA	EAI	Winter 2011	Approved	Design/Scoping	Hot Springs to Bismark was identified as a base plan difference project

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Transmission Reliability - Meeting Planning Criteria	Holland Bottoms (Cabot EHV): Construct new 500/161/115 kV substation Phase 2 Projects(2012) Install 161 kV Bus and a 600 MVA 500 kV / 161 kV Autotransformer	EAI	2012	Proposed & In Target	Design/Scoping	Project to improve reliability in Little Rock during heavy transfers and and loss of Mabelvale autotransformer. Accelerated ISD 2 years.
Transmission Reliability - Meeting Planning Criteria	Holland Bottoms - Hamlet 161 kV Line: Construct new 161 kV Line Convert Hamlet SS to a breaker station (Single Bus Single Breaker Scheme) Move the Quitman line from Gold Creek to Hamlet SS Move the Gravel Ridge line from Gold Creek to Hamlet SS Construct a line rated at least 1200 A from Hamlet SS to Holland Bottoms	EAI	2012	Proposed & In Target	Design/Scoping	In lieu of Morrilton East - Gleason - Tyler upgrade.
Transmission Reliability - Meeting Planning Criteria	Warren East 115 kV Substation: Install 10.8 MVAR Capacitor Bank	EAI	2012	Proposed & In Target	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Ebony 161 kV Switching Station: Install 5 Breaker Ring Bus Lines Terminating Into New Ebony Substation (ratings unchanged): Ebony - Kuhn Road 161 kV Line Ebony - WM Lehi - WM Polk - WM EHV 161 kV Line Ebony - WM Dover - WM Gateway 161 kV Line Ebony - Marked Tree 161 kV Line Ebony - WM Lehi - WM EHV 161 kV Line	EAI	2012	Proposed & In Target	Design/Scoping	Project in-lieu of WM Lehi capacitor bank
Transmission Reliability - Meeting Planning Criteria	Jonesboro to Hergett 161 kV Line: Upgrade 161 kV Line to at least 240 MVA	EAI	2012	Proposed & In Target	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Benton North to Benton South: Construct New 115 kV Line Rated at least 170 MVA Install Switching Stations at Benton North and Benton South	EAI	2012	Proposed & In Target	Design/Scoping	Alternative project to Bauxite capacitor bank (addresses ICT 100 MW rule)
Transmission Service	Westar Transmission Service Monette - Paragould 161kV Line: Upgrade to at least 246 MVA Paragould Substation: Upgrade the switch B6673 from 600A to 2000A Russellville South - Dardanelle Dam (SPA) 161kV Line: Upgrade to 416 MVA	EAI	Summer 2012	Approved	Design/Scoping	Monette to Paragould upgrade was identified as a base plan difference project.
Transmission Reliability - Meeting Planning Criteria	Acadia 138 kV Substation: Install 36 MVAR Capacitor Bank	EGSL	Summer 2009	Approved	Complete	
Transmission Reliability - Meeting Planning Criteria	Carter and Elton: Upgrade 69 kV capacitor bank at Elton to 14 MVAR, Add 69 kV, 14 MVAR capacitor bank at Carter	EGSL	2010	Proposed & In Target	Design/Scoping	Formerly Serpent and Elton
Transmission Reliability - Meeting Planning Criteria	Construct New Youngsville 138 kV Distribution Substation	EGSL	2011	Proposed & In Target	Design/Scoping	Shifts load off Lafayette to Holiday to Billeaud 69 kV Line. (Replaces Lafayette to Holiday to Billeaud Upgrade). May be delayed one year due to feasibility of ROW acquisition.
Transmission Reliability - Meeting Planning Criteria	Alchem - Monochem 138 kV Line: Upgrade 138 kV line to 275 MVA	EGSL	2011	Approved	Design/Scoping	Also required for TSR's
Transmission Reliability - Meeting Planning Criteria	Addis to Cajun 230 kV line - Upgrade Limiting Section With Double-Bundled 649.5 ACAR (654 MVA)	EGSL	2011	Approved	Design/Scoping	Increase capacity of existing 230 kV line. Also required for TSR's
Transmission Reliability - Meeting Planning Criteria	Acadiana Area Improvement Project Phase 1 Projects (2011) Construct new Sellers Road to Meaux 230 kV Line Add 450 MVA, 230-138 kV auto at Meaux Add new 138 kV line bay at Moril (Segura Line) Add new 500 kV position for Cleco autotransformer at Richard	EGSL	2011	Approved	Design/Scoping	

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Transmission Reliability - Meeting Planning Criteria	Acadiana Area Improvement Project Phase 2 Projects (2012) Construct new Labbe to Sellers Road 230 kV Line Add new 500 kV position for Cleco autotransformer at Wells	EGSL	2012	Approved	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Construct 2nd Dynergy to Pecan Grove 230 kV line	EGSL	2012	Proposed & In Target	Design/Scoping	Project to replace upgrade of Nelson to Moss Bluff as identified in ICT Base Plan
Transmission Reliability - Meeting Planning Criteria	Tejac to Marydale: Upgrade 69 kV transmission line	EGSL	2012	Approved	Design/Scoping	Increase thermal capacity of 69 kV line.
Transmission Reliability - Meeting Planning Criteria	Loblolly-Hammond Build 230 kV Line	EGSL/ELL	2012	Approved	Design/Scoping	ROW acquisition and permitting under way. Accelerated ISD.
Transmission Reliability - Meeting Planning Criteria	Nelson to Mossville - Upgrade 138 kV Line	EGSL	2013	Proposed & In Target	Design/Scoping	Increase thermal capacity
Transmission Reliability - Meeting Planning Criteria	Construct new Willow Glen to Conway 230 kV line	EGSL	2014	Proposed & In Target	Design/Scoping	Increase 230 kV thermal capacity in the industrial corridor.
Transmission Reliability - Meeting Planning Criteria	Waterford 4: Blackstart generator interconnection	ELL	Summer 2009	Approved	Complete	
Transmission Reliability - Meeting Planning Criteria	Snakefarm to Kenner 115 kV line: Upgrade to 359 MVA	ELL	Winter 2010	Proposed & In Target	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Bogalusa to Adams Creek 230 kV No. 2 - Upgrade terminal equipment at Bogalusa	ELL	Winter 2010	Proposed & In Target	Design/Scoping	Upgrade terminal equipment to thermal rating of conductor. Accelerated one year
Economic	Delhi 115 kV Substation - Add 10 Ohm series reactor	ELL	Summer 2010	Approved	Design/Scoping	Accelerated one year
Transmission Reliability - Meeting Planning Criteria	Sarepta Project (NW Louisiana/South Arkansas Voltage Support Plan) Construct a new 345-115 kV substation consisting of a 500 MVA auto Cut station into EL Dorado to Longwood 345 kV line. Add 32.4 MVAR capacitor bank at Luckey 115 kV substation 4/10 Add 32.4 MVAR capacitor bank at Vienna 115 kV substation 10/09	ELL	2011	Approved	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Southeast LA Coastal Improvement Plan: Phase 2 Build Peters Road-Oakville 230kV Line and Substation	ELL	2012	Proposed & In Target	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Southeast LA Coastal Improvement Plan: Phase 3 Construct Oakville to Alliance 230kV Line Add 230 - 115 kV Autotransformer at Alliance Substation	ELL	2012	Proposed & In Target	Design/Scoping	Provides 230 kV source to the Alliance area.
Transmission Reliability - Meeting Planning Criteria	Bayou Steel to Tezcucu 230 kV line - Construct new line	ELL	2012	Proposed & In Target	Design/Scoping	Provides third path from Gypsy/Waterford area to Tezcucu. Replaces Belle Point to Gypsy 230 kV line upgrade identified in the ICT Base Plan.
Transmission Service	Ouachita Transmission Service Split Sterlington 115 kV bus and replace 500-115 auto #2 with 750 MVA Upgrade Walnut Grove to Swartz 115 kV line Upgrade Frostcraft to Rilla 115 kV line Upgrade Sterlington to Log Cabin 115 kV like Loop Sterlington to North Crossett into North Bastrop Add 43 MVAR, 115 kV capacitor bank at Riser	ELL	2012	Approved	Design/Scoping	Final ISD's to be determined

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Transmission Reliability - Meeting Planning Criteria	Bogue Chitto 500/230 kV Substation: Option 1: Tap the Daniel - McKnight 500 kV Line Construct a New 500-230 kV Substation Tap the Bogalusa - Ramsey 230 kV Line Terminating Both Sections Into Bogue Chitto Tap the Bogalusa - Talisheek 230 kV Line Terminating Both Sections Into Bogue Chitto Upgrade New Bogue Chitto to Madisonville 230 kV line Option 2: Loop the Daniel - McKnight 500 kV Line in and out of Bogalusa 500 kV Substation	ELL	2013	Proposed & In Target	Design/Scoping	Requires coordination with neighboring utilities. Replaces Brookhaven to Mallillieu and Mallillieu to Norfield projects identified in ICT Base Plan
Transmission Reliability - Meeting Planning Criteria	Liberty-Gloster: Upgrade 115 kV Line For Natchez De-listing	EMI	Summer 2009	Approved	Complete	Project required to maintain reliability in the Natchez area after loss of local generation
Transmission Reliability - Meeting Planning Criteria	Indianola-Greenwood 115 kV Line: Upgrade line to 161 MVA Upgrade Terminal Equipment at Morehead, Ita Bena, and Greenwood	EMI	Winter 2010	Approved	Design/Scoping	Improve reliability in the Greenwood area Need Mobile
Transmission Reliability - Meeting Planning Criteria	Magee 115 kV Substation: Replace Switches	EMI	2010	Approved	Construction	Project to increase tie capability with SMEPA in coordination with SMEPA's upgrade of their autotransformers at Magee (SMEPA would not allow necessary outages thus project delayed)
Transmission Service	TVA Affected System Upgrades Morton 115 kV Substation: Upgrade 600 A Switches to 1200 A South Jackson - Florence 115 kV Line: Upgrade to at least 240 MVA	EMI	Summer 2010	Approved	Design/Scoping	
Transmission Service	Grand Gulf Uprate Project Baxter Wilson - Ray Braswell 500 kV Line: Upgrade Breakers and Switches to 3000 A	EMI	Summer 2010	Approved	Design/Scoping	Project to increase the thermal capacity of the 500 kV line. Accelerated ISD from 2011 to 2010
Transmission Reliability - Meeting Planning Criteria	Grenada/Winona/Greenwood Area Improvement (Tillatoba auto alternative): Phase 1 Projects (2010) Winona 115 kV Substation: Install 21.6 MVAR Capacitor Bank Greenwood 115 kV Substation: Upgrade 21.6 MVAR Capacitor Bank to 32.4 MVAR Schlater 115 kV substation: Install 21.6 MVAR Capacitor Bank	EMI	2010	Proposed & In Target	Design/Scoping	Project to improve reliability in the area between Tillatoba, Indianola, and Attalla for various 115 kV and 230 kV contingencies. Previous project was to add 2nd Tillatoba auto - this project provides better value. Accelerated ISD
Transmission Reliability - Meeting Planning Criteria	Florence - Florence SS - Star 115 kV Line: Upgrade to at least 240 MVA	EMI	Summer 2011	Proposed & In Target	Design/Scoping	Project to increase thermal capacity of 115 kV line
Transmission Service	Hornlake - TH Allen (TVA) 161 kV Line: Upgrade Line to 366 MVA	EMI	2011	Proposed & In Target	Design/Scoping	Project to improve the voltage profile in the Southaven area, specifically the 115kV system south of Getwell
Transmission Reliability - Meeting Planning Criteria	Waterways - Vicksburg East 115 kV Line: Upgrade to at least 240 MVA	EMI	2011	Proposed & In Target	Design/Scoping	Project to increase the thermal capacity of the 115 kV line. Accelerated ISD from 2011 to 2010
Transmission Reliability - Meeting Planning Criteria	Ridgeland-Madison Reliability Improvement Build Sunnybrook and Radial 115 kV Transmission Line	EMI	2011	Proposed & In Target	Design/Scoping	Project to serve rapid load growth North of Jackson
Transmission Reliability - Meeting Planning Criteria	McAdams Area Upgrades McAdams Substation: Add 2nd 615 MVA 500 kV / 230 kV Autotransformer McAdams - Pickens 230 kV line: Upgrade to Double-Bundled 954 ACSR (880 MVA)	EMI	2011	Proposed & In Target	Design/Scoping	115 kV upgrades subject to change

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Transmission Reliability - Meeting Planning Criteria	Ridgeland-Madison Reliability Improvement Rebuild Lakeover - Ridgeland Line Build Lakeover - Sunnybrook - Northpark 115 kV Line	EMI	2012	Proposed & In Target	Design/Scoping	Project to serve rapid load growth North of Jackson. Accelerated ISD from 2014
Transmission Service	Ouachita Transmission Service Move Sterlington 600 MVA auto to Baxter Wilson 500 (Second 500-115 kV auto)	EMI	2012	Approved	Design/Scoping	Final ISD's to be determined
Transmission Reliability - Meeting Planning Criteria	Grenada/Winona/Greenwood Area Improvement (Tillatoba auto alternative): Phase 2 Projects (2012) Tillatoba to South Grenada 230 kV Line: Construct New 520 MVA Line South Grenada 115 kV Substation: Install 230 kV Bus and a 400 MVA 230-115 kV Autotransformer	EMI	2012	Proposed & In Target	Design/Scoping	Project to improve reliability in the area between Tillatoba, Indianola, and Attalla for various 115 kV and 230 kV contingencies. Previous project was to add 2nd Tillatoba auto - this project provides better value. Accelerated ISD
Transmission Reliability - Meeting Planning Criteria	Ray Braswell - Wyndale - Byram 115kV Line: Construct New 260 MVA Line (Constructed at 230 kV but Operated at 115 kV)	EMI	2013	Proposed & In Target	Design/Scoping	Project to alleviate overloads flowing south on the 115 kV system between Jackson and south Louisiana. ISD driven by CCN and ROW acquisition.
Transmission Reliability - Meeting Planning Criteria	Getwell Area Improvements Getwell 230/115 kV Substation: Install 2nd 392 MVA 230 kV / 115 kV Autotransformer Getwell - Hernando 115 kV Line: Construct 2nd Parallel 115 kV Line (Constructed at 230 kV but Operated at 115 kV)	EMI	2013	Proposed & In Target	Design/Scoping	Provide additional thermal capacity and allow future conversion to 230 kV. Addresses ICT 100 MW rule. Creates first leg of Getwell to Batesville 230 kV conversion as identified in the ICT Base Plan.
Transmission Reliability - Meeting Planning Criteria	Paterson 115kV: Restore 4 breakers	ENOI	Summer 2009	Approved	Construction	
Transmission Reliability - Meeting Planning Criteria	Newton Bulk: Replace/Re-tap CT to increase rating on Holly Springs line	ETI	Summer 2009	Approved	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Beaumont 69 kV Improvement Plan: Option 2	ETI	Summer 2009	Approved	Construction	
Generation Interconnection	Sheco Jacinto - Generator Interconnection	ETI	Summer 2009	Approved	Complete	
Transmission Reliability - Meeting Planning Criteria	Fawil: Upgrade 138/69 kV Auto	ETI	Winter 2009	Approved	Construction	Delayed by customer
Transmission Reliability - Meeting Planning Criteria	Porter - Tamina: Replace Breaker/Switches	ETI	Winter 2009	Approved	Design/Scoping	Increase thermal capacity of 138 kV line
Enhanced Transmission Reliability	Warren Substation - Add two breakers	ETI	Winter 2009	Approved	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	Western Region Reliability Improvement Plan Phase 3 Interim (Part 1) Relocate Sheco's Caney Creek 138 kV Substation	ETI	Winter 2010	Approved	Design/Scoping	
Transmission Reliability - Meeting Planning Criteria	College Station 138kV Switching Station Close N.O and upgrade protection to create 3 terminal line	ETI	Winter 2010	Approved	Design/Scoping	Project scope being reviewed may require a breaker station in lieu of relay modifications
Transmission Reliability - Meeting Planning Criteria	Western Region Reliability Improvement Plan Phase 3 Interim (Part 3) Upgrade South Beaumont to Fontenot Corner 138 kV line	ETI	Winter 2010	Approved	Design/Scoping	Accelerated ISD
Transmission Reliability - Meeting Planning Criteria	Western Region Reliability Improvement Plan Phase 3 Interim (Part 2) Jacinto-Lewis Creek: Convert to 230 kV operation. Add 450 MVA 230-138 Auto at Lewis Creek	ETI	Summer 2011	Approved	Design/Scoping	Confirmed target ISD

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Transmission Service	Grand Gulf Uprate Project Upgrade Hartburg to Inland Orange to McLewis 230 kV line	ETI	2011	Approved	Design/Scoping	Project to increase the thermal capacity of the 230 kV line.
Transmission Reliability - Meeting Planning Criteria	Tamina to Cedar Hill 138 kV line: Upgrade	ETI	Winter 2011	Proposed & In Target	Design/Scoping	Increase thermal capacity of 138 kV line
Transmission Reliability - Meeting Planning Criteria	Cedar Hill - Plantation 138 kV line: Upgrade	ETI	2012	Proposed & In Target	Design/Scoping	Increase thermal capacity of 138 kV line
Transmission Reliability - Meeting Planning Criteria	Plantation to Conroe 138 kV line: Upgrade	ETI	2012	Proposed & In Target	Design/Scoping	Increase thermal capacity of 138 kV line
Transmission Reliability - Meeting Planning Criteria	Jasper to Rayburn 138 kV line: Upgrade	ETI	2013	Proposed & In Target	Design/Scoping	Increase thermal capacity of 138 kV line



Addendum

Identified Target Areas [Beyond 2012]

Identified Target Areas are areas with reliability concerns. For some areas, specific potential projects have been identified. However, the construction start dates of the potential projects or possible solution sets are beyond the 3-year Construction Plan horizon. These projects and associated projects are not part of the 2010-2012 Entergy Construction Plan.

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Transmission Reliability - Meeting Planning Criteria	LR 115 kV System: Upgrade various lines or introduce 161 kV	EAI	Long Range plan to increase LR load serving capability - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Bull Shoals - Midway 161 kV Line: Upgrade	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Gum Springs - Amity 115 kV Line: Construct New Line	EAI	Long range project targeted to alleviate overloads and undervoltages around Mt. Ida - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Holland Bottoms - Ward 115kV Line Install Breakers at AECC Ward or Construct New N.O. Line	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Jim Hill Area Upgrades Option 1: Jim Hill - Datto: Construct New 161 kV Line Option 2: Jim Hill - Datto: Convert to 161 kV Operation	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Jonesboro Area: Construct New 500/161 kV Substation	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2015
Transmission Reliability - Meeting Planning Criteria	Lake Village Bagby - Macon 115 kV Line: Upgrade	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2013
Transmission Reliability - Meeting Planning Criteria	Mayflower - Morgan 115 kV Line: Upgrade	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2014
Transmission Reliability - Meeting Planning Criteria	Norfolk to Sage 161 kV Line: Upgrade	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2015
Transmission Reliability - Meeting Planning Criteria	Russellville East - Russellville North 161kV Line: Upgrade	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2017
Transmission Reliability - Meeting Planning Criteria	Camden McGuire - Camden North 115kV Line: Construct New Line	EAI	Long range project targeted to alleviate overloads and undervoltages in SW Arkansas - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Poyen 115 kV Substation: Add 10.8 MVAR Capacitor Bank	EAI	Long range project targeted to alleviate contingency undervoltage - Potential Target Year: 2014
Transmission Reliability - Meeting Planning Criteria	EI Dorado Upland - Texas Eastern F: New Line/ Texas Eastern F - TEF SS: Reconductor Line	EAI	Long range project targeted to alleviate overloads - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Gum Springs Area: Construct Switching Station	EAI	Long range project targeted to increase reliability between Hot Springs and McNeil area and to reduce reliability dependence on units in southern Arkansas - Potential Target Year: 2018
Transmission Reliability - Meeting Planning Criteria	Gobel Substation build at crossing point, Wabbaskeka Cap Bank, ULM Cap Bank - scope 2008 (Marvel South)	EAI	Long range project targeted to improve reliability between Stuttgart and Helena - Potential Target Year: 2018
Enhanced Transmission Reliability	Port Hudson - 69 kV area improvement	EGSL	Long range project targeted to increase reliability of 69kV system reconfiguring 69kV station and/or bringing in new 138kV source.
Transmission Reliability - Meeting Planning Criteria	Solac - Upgrade 230-69 kV Autos or add 3rd	EGSL	Long range project targeted to increase reliability of 69kV system.

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Transmission Reliability - Meeting Planning Criteria	Harrelson to Gloria - upgrade 69 kV line	EGSL	Long range project targeted to increase reliability of 69kV system.
Transmission Reliability - Meeting Planning Criteria	McManus to Brady Heights - Upgrade 69 kV Line	EGSL	Long range project targeted to increase reliability of 69kV system.(Potential Target Year 2014)
Enhanced Reliability	Fancy Point 500 kV Switchyard Upgrades	EGSL	
Transmission Reliability - Meeting Planning Criteria	Moril - Add 2nd 138 - 69 Auto	EGSL	Eliminates contingency loss of existing auto. (Potential Target Year 2014)
Transmission Reliability - Meeting Planning Criteria	Lake Charles Improvement - 230 kV Loop	EGSL	Long range project targeted to increase reliability of 230 and 138kV system by building a new 230kV line from Nelson towards LC Bulk and 230-138kV station. (Potential Target Year 2016)
Transmission Reliability - Meeting Planning Criteria	LC Bulk: Add 3rd 138-69 kV Autotransformer	EGSL	Long range project targeted to increase reliability of 69 kV system. (Potential Target Year 2015)
Transmission Reliability - Meeting Planning Criteria	LC Bulk - Chlomal: Reconductor approximately 3 miles	EGSL	Long range project targeted to increase reliability of 69kV system (Potential Target Year 2016).
Transmission Reliability - Meeting Planning Criteria	Upgrade Scott to Carencro 69 kV Line	EGSL	Long range project targeted to increase reliability of 69kV system (Potential Target Year 2015).
Transmission Reliability - Meeting Planning Criteria	Chlomal-Lacassine: Upgrade 69kV line and install breaker	EGSL	Long range project targeted to increase reliability of 69kV system. (Potential Target Year 2015)
Transmission Reliability - Meeting Planning Criteria	Lawtag-Jennings: Upgrade 69kV line	EGSL	Long range project targeted to increase reliability of 69kV system. (Potential Target Year 2013)
Transmission Reliability - Meeting Planning Criteria	2005 Jackson-Tejac 69kV Line	EGSL	Long range project targeted to increase reliability of 69kV system. (Potential Target Year 2014)
Transmission Reliability - Meeting Planning Criteria	Greenwell Springs area reconfiguration (Coly-Polyform-Denham Springs)	EGSL	Long range project targeted to increase reliability of 69kV system by upgrading overloaded 69kV lines or relay upgrade to allow creation of three terminal lines. (Potential Target Year 2015)
Transmission Reliability - Meeting Planning Criteria	Champagne - Add 115 kV Capacitor Bank	EGSL	Long range project to provide voltage support during contingency outages (Potential Target Year 2015)
Transmission Reliability - Meeting Planning Criteria	Mossville to Alfol Construct new 69 kV Line	EGSL	Long range project targeted to increase reliability of 69kV system. (Potential Target Year 2014)
Transmission Reliability - Meeting Planning Criteria	Minden Area Improvement: Reconductor Minden to Minden LaGen and Add 32.4 MVAR capacitor bank at Minden.	ELL	Long Range project to increase reliability in the Minden area. (Potential Target Year 2014)

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Project Driver	Project Name	LE	Comments
Transmission Reliability - Meeting Planning Criteria	West Monroe/Monroe Reliability Improvements	ELL	Long range project targeted to increase reliability by energizing 115kV lines built according to 230kV standard to 230kV level and completing 230kV loop around Monroe. (Potential Target Year 2015)
Transmission Reliability - Meeting Planning Criteria	Red Gum Voltage Improvement	ELL	Long range project targeted to increase reliability by energizing 34kV line built according to 115kV standards to 115kV level and adding a cap bank for voltage support at Winnsboro.
Transmission Reliability - Meeting Planning Criteria	Napoleonville Cap Bank 21MVAR	ELL	Long range project to increase voltage reliability on the 115kV system from Plaquemine to Paincourtville
Transmission Reliability - Meeting Planning Criteria	Clovelly to Golden Meadow 115 kV upgrade	ELL	Provide thermal capacity to Golden Meadow area
Transmission Reliability - Meeting Planning Criteria	DSG Reliability Improvements: Phase 3	ELL/ENOI	Long range project targeted to improve the voltage support and thermal overloads observed in the DSG area during high load conditions. Timing dependent on load growth in N.O.
Transmission Reliability - Meeting Planning Criteria	North Mississippi Improvement (230 kV)	EMI	Long rang project targeted to improve reliability between Batesville and Southaven (230 between Batesville and Getwell) 2018
Transmission Reliability - Meeting Planning Criteria	Paterson: Install 230/115 kV Auto	ENOI	This long range project is a continuation of a breaker project to improve voltage reliability in the New Orleans area where Paterson substation is located. Timing dependent on load growth in N.O.
Transmission Reliability - Meeting Planning Criteria	Breakers at Hollandale and Belzoni (close normally-open point) / Rolling Fork Cap Bank	EMI	Project to increase reliability in central Mississippi on the 115 kV system between Greenville and Vicksburg 2014
Transmission Reliability - Meeting Planning Criteria	Rankin Industrial - Airport: Reconductor	EMI	2014
Transmission Reliability - Meeting Planning Criteria	Church Rd - Getwell: Build new line	EMI	2014
Transmission Reliability - Meeting Planning Criteria	Central MS Improvement (Lakeover-Canton 230kV : Voltage)	EMI	2016
Transmission Reliability - Meeting Planning Criteria	Upgrade Cleveland-Dayton Bulk 138kV	ETI	Long range project to increase reliability in the Dayton area. (Potential Target Year 2013)
Transmission Reliability - Meeting Planning Criteria	Conroe area switching station - tie lines Longmire to Fish Creek and Conroe to Woodhaven 138 lines together.	ETI	Long range project to increase reliability in the Egypt / Fish Creek area. (Potential Target Year 2013)
Transmission Reliability - Meeting Planning Criteria	Reconductor Sabine to Port Neches Bulk (Line 515) and Sabine to Port Neches Bulk (via Linde Line 516)	ETI	Long range project to increase reliability in the Sabine area. (Potential Target Year 2013)

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Transmission Reliability - Meeting Planning Criteria	Upgrade Doucette-Rayburn 138kV	ETI	Long range project to increase reliability in the Sabine area. (Potential Target Year 2014)
Transmission Reliability - Meeting Planning Criteria	Expand Cap Bank at New Caney 138kV	ETI	Potential Target Year of 2014
Transmission Reliability - Meeting Planning Criteria	New Sabine-Gulfway 230kV Line	ETI	Potential Target Year of 2014
Transmission Reliability - Meeting Planning Criteria	Upgrade Jacinto to Porter 138kV	ETI	Potential Target Year of 2014
Transmission Reliability - Meeting Planning Criteria	Orange County 230kV Project	ETI	Potential Target Year of 2014
Transmission Reliability - Meeting Planning Criteria	Western Region Reliability Improvement Plan Phase 3 Final Construct new Cypress to Jacinto 230 kV Line	ETI	Long range Western Region Project. (Potential Target Year 2015)
Transmission Reliability - Meeting Planning Criteria	Expand Cap Bank at Cleveland 138kV	ETI	Potential Target Year of 2015
Transmission Reliability - Meeting Planning Criteria	New China-Amelia 230kV line	ETI	Potential Target Year of 2015
Transmission Reliability - Meeting Planning Criteria	Add Cap Bank at Mill Creek (JNEC) 138kV	ETI	Potential Target Year of 2016
Transmission Reliability - Meeting Planning Criteria	Add Cap Bank at Call (JNEC) 138kV	ETI	Potential Target Year of 2016
Transmission Reliability - Meeting Planning Criteria	Upgrade Pelican Road-Shepherd 138kV	ETI	Potential Target Year of 2016
Transmission Reliability - Meeting Planning Criteria	Upgrade South Beaumont-Pansy 69kV	ETI	Potential Target Year of 2016
Transmission Reliability - Meeting Planning Criteria	Upgrade Kountze Bulk-Warren 138kV	ETI	Potential Target Year of 2016
Transmission Reliability - Meeting Planning Criteria	Expand Cap Bank at Rivtrin 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Add Cap Bank at Huntsville 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Expand Cap Bank at Corrigan Bulk 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Add Cap Bank at Shepherd (SHECO) 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Expand Cap Banks at Dayton Bulk 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Expand Cap Banks at Doucette Bulk 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Upgrade Eastgate-Dayton Bulk 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Upgrade Cypress-Lumberton	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Add 2nd Cypress Auto (500/230kV or 500/138kV)	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Upgrade Amelia-Helbig 230kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Upgrade Jacinto-Cleveland 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Upgrade Toledo Bend-Newton Bulk 138kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Upgrade Cypress-Amelia 230kV	ETI	Potential Target Year of 2017
Transmission Reliability - Meeting Planning Criteria	Add Cap Bank at Honey (SHECO) 138kV	ETI	Potential Target Year of 2018
Transmission Reliability - Meeting Planning Criteria	Western Region Reliability Improvement Plan Phase 3 Interim Add Alden SVC	ETI	Potential Target Year of 2014