**Nodal Post Go-Live Support**

1. **Nodal Stabilization Project**
   1. **Objectives**

* Provide support for increased volume of questions and disputes
* Ensure quick analysis for Nodal issues
* Deliver system functionality based on priority and urgency
* Ensure adequate resources to quickly address system performance and stability issues
  1. **Scope Definition**
     1. **In Scope**

| **Scope Item** | **Description** | **Notes/Assumptions** |
| --- | --- | --- |
| Operational Response, Production Issues and Stability | Includes ERCOT Business and IT labor to address spikes in day-to-day operations to support volume of work above normal expectations:   * Response to stakeholder questions / external communications * Issue analysis to address impacts across grid, markets, services, finance, reporting and legal functions * Expected higher volume of settlement disputes due to market start-up and complexity * Anticipated additional training and workshops to respond to stakeholder needs * Remediation of production issues | * Stabilization is defined as 7-month period Dec 2010 – Jun 2011 * IT vendor costs are for period Dec 2010 – Dec 2011 |

* + 1. **Out of Scope**
* Any base operations activities supporting normal day-to-day operations
* Other components of the Nodal Post Go-Live Support effort
  + Delivery of Daylight Savings Time and Planning Model functionality
  + Decommission of zonal wholesale systems
  + Nodal deferred defects
  + Nodal Parking Deck items
  + HW & SW operations maintenance for Nodal systems
* Other capital projects on the 2011 PPL

1. **Other Nodal Post-Go Live Support Components**

| **Scope Item** | **Description** | **Notes/Assumptions** |
| --- | --- | --- |
| Delivery of Daylight Savings Time and Planning Model functionality | Includes development, testing and implementation to address Daylight Savings Time (DST) and Planning Model (MOD) functionality required by Q1 2011 | * Targeting a 2-3 month effort to begin in Dec 2010 and deliver by Mar 2011 |
| Decommission of zonal wholesale systems and components | Includes the complete decommission (code, data, instances) of the following zonal wholesale systems that will no longer be used post nodal go-live:   * TCR (TCR auction Solver (LINDO), TCR GUI, Database) * OS * MPIM Zonal Code * EMMS (EMS & MMS) * ICCP * SMP (SCADA Management Platform) * Zonal OTS * Zonal BTS * MOS – Sender & Listener * Zonal Weather/Load Forecast * Zonal DC Tie * ERCOTPROD domain (required by sender) equivalent in other environments (itest/dev) * MOSPublic * MOS TML (ERCOT PUC & ERCOT PRP) * Zonal Dynamic Ratings * Report Runner * Removal of NON\_Retail TML links * Retail Lite Environment * EIS Collateral Calc (FINANCE Schema in ISM) * ISM replication components (code components only, no data destruction) * Lodestar Appworx zonal jobs * Lodestar IT0xNDL itest databases * Nodal iTest MIR instance * PI code * Zonal Siebel Code * All EMIL Products (extracts, reports, web services, etc.) identified as “Zonal - will retire” including historical files in MIR, except those under RRS legal retention requirements. * NDC (Schema in ISM, consists of views pointing to ERCOT schema in ISM) * EIS ETL * EIP/Retail Tibco code responsible for wholesale/EMS/data extract. * Applicable Appworx jobs for listed components, products & jobs * Wholesale FTP job on intranet server * Migrate CERT servers to MOTE/SOTE VLAN; combine services; decommission redundant servers/services. * Removal of legacy pre-go live data from NPROD * Any other “only-zonal” component, product, system, data, database, etc, that is deemed disposable after nodal go-live | * Planning to start in Dec 2010 * Decommission beginning Jan 2011 (2-3 month duration over maintenance release windows) |
| Delivery of Nodal Deferred Defects & Workarounds | Includes development, testing and implementation to remediate 50% of Nodal deferred defects, based on priority, for the following systems:   * EMS – estimated 10 month effort * CMM – estimated 3 month effort * EIP – estimated 4 month effort * DAM – estimated 1 month effort * MOD – estimated 1 month effort * NMMS – estimated 2 month effort * MMS – estimated 3 month effort * REG – estimated 1 month effort * S&B – estimated 3 month effort * CSI – estimated 1 month effort | * Assumes 50% of deferred defects will be remediated in 2011, with majority of concentration between Jun-Dec 2011 * Where possible, defect will be addressed sooner, to coincide with Stabilization releases * All systems except for EMS are targeting a 3-6 month effort * EMS will have target 5 releases and require a 10-month effort |
| Nodal Parking Deck – Initial Release Planning/Design | Impact analysis, requirements, and design activities to address Parking Deck items as part of the initial release (note: this list is not inclusive of all Parking Deck items; the items listed below are proposed due to shared functionality/applications base, as well as some high priority stand-alone items)   * NPRR208 – Registration and Settlement of Distributed Generation (DG) Less Than 1 MW * NPRR258 – Sync with PRR824 and PRR833 and Additional Clarifications * NPRR131 – Ancillary Service Trades with ERCOT * NPRR207 – Unit Deselection * NPRR146 – ICCP Telemetry Information Submittals * NPRR210 – Wind Forecasting Change to P50, Sync with PRR841 * NPRR222 – Half-Hour Start Unit RUC Clawback * NPRR251 – Sync of PRR845, Definition for IDR Meters and Optional Removal of IDR Meters at a Premise Where an Advanced Meter Can be Provisioned * NPRR181 – FIP Definition Revision * SCR759 – acLineSegment Name Length Increase in Information Model Manager (IMM) * NPRR240 – Proxy Energy Offer Curve * SCR755 – ERCOT.com Website Enhancements * NMMS API * CRR API * MMS Multiple Network Models * Large Wind Power Production Ramp Forecasting Phase 2 * TML Transition to MIS * Update Credit PFE (Potential Future Exposure) Model | * Final list of items will require Market confirmation * Execution and delivery will be funded under future year PPL * Other parking deck items not included in this effort, will also be delivered as part of future year PPL * Cost estimate assumes mid-range estimate of cost |
| HW & SW Maintenance | Year 1 of hardware and software maintenance associated with Nodal systems | * From 2011 IT budget submission |

1. **Post Go-Live Support – High-level Timeline/Milestones**

