Energy Smart Florida

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Cautionary Statements and Risk Factors that May Affect Future Results

Any statements made herein about future operating results or other future events are forward-looking statements under the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements may include, for example, statements regarding anticipated future financial and operating performance and results, including estimates for growth. Actual results may differ materially from such forward-looking statements. A discussion of factors that could cause actual results or events to vary is contained in our SEC filings.
Florida Power & Light Company is one of the largest rate-regulated electric utilities in the country

FPL Service Area

- High service quality for 4.5 million customers
- 27,000 square miles in 35 counties
- No. 1 in energy efficiency among U.S. electric utilities (as reported by DoE)
Energy Smart Florida expands the focus originally proposed in the Energy Smart Miami announcement

Energy Smart Florida

- Promotes energy efficiency and greater use of renewable energy
- Improves infrastructure reliability
- Highlights critical role of smart meters in FPL’s smart grid strategy
- Creates “green collar” jobs to build and deploy the technology
- Builds community goodwill and relationships
FPL’s solution to achieving Smart Grid benefits and meeting the challenges is ‘Energy Smart Florida’

**Energy Smart Florida**
ESF incorporates advanced sensing, communication, control and analytical capabilities into the grid (predict and prevent vs. sense and respond)

ESF is an integrated end-to-end solution that will improve intelligence and efficiency of the grid and provide enhanced information to enable better customer decision-making.
On October 27, 2009, President Obama announced awards of $3.4B to 100 Companies for Smart Grid, supporting $4.7B private investment

**Smart Grid Investment Grant - Award summary**

- **Total awards across the nation**
  - 850 PMU’s (Phasor Measurement Units)
  - 1 million in-home displays
  - 200,000 Smart Transformers
  - 700 Automated Substations
  - 40 million Smart Meters

- **$200MM Awardees**
  - FPL, Duke, Baltimore Gas & Electric,
  - CenterPoint, PECO, Progress Energy

- **Energy Smart Florida (ESF) total project cost = $578MM**

Energy Smart Florida received the maximum investment award
While new markets will emerge once Smart Grid is deployed, immediate benefits are core to the business

Smart Grid Opportunities

• Increased resource efficiency and improved asset utilization
• Improved distribution and transmission reliability
• Enhanced customer experience resulting in improved satisfaction
• New markets built around renewable energy and carbon
• Mitigation of aging workforce pressure through application of automation and technology
• New business models, products and services, partnerships
Whether we are successful in meeting the challenges of execution depends on our *agility* and *ability* to innovate

**Key Factors for Successful Execution**

- Customer-centric business models
- Market-driven, breakthrough innovation
- Untraditional partnerships and collaboration – development of industry ecosystem and “complementors”
- Rapid convergence on standards
- Dedication to interoperability
- Tenacious commitment to ongoing cost improvement
- Unrelenting focus on cyber-security
- Development of world-class data analytics
Technology driven change must be balanced with a pragmatic review of policy, process and sustainability

**Smart Grid Risks**

- Reduced revenues from improved energy efficiency, new market entrants, distributed generation
- Increased stranded assets from rapid technology cycle vs. slow depreciation cycle
- Timing of technology maturity, regulatory process, cost recovery model must align
- Prospect of state/federal jurisdictional disputes, expansion of federal regulation into distribution, customer domains
- Driving involvement in setting industry standards vs. being dominated by vendors - will we lose control?
- Increased security risk driven by new avenues of attack
A comprehensive approach is required for Smart Grid

**FPL’s Response**

- Business focus: Deploy Smart Grid at pace of value
- Prioritize benefits
- Create a cross-functional organization
- Eco-system of partners: communities, technology leaders (IT and grid)
- Conduct pilots to understand complexity at scale
- Focus on cyber-security and grid management
- Active participation in national standards efforts
- Build from a strong foundation
ESF Smart Grid organization framework developed, key positions approved and ready for deployment

**Energy Smart Florida Organization Structure**

- **ESF Executive Sponsor**
  - FPL Executive Sponsor
  - FPL Steering Committee

- **ESF Director**
  - FPL Project Management Office
  - FPL Business unit technical lead
  - Strategic vendor representation

- **ESF Operations Project Manager**
  - ESF – Energy Smart Florida
  - TM – Technical Manager

- **ESF Financial/Compliance Manager**
  - ESF Financial/Compliance Analyst

- **ESF Financial/Compliance Analyst**

- **FPL Smart Grid Exec. Steering Committee**

- **Trans. / Substation TM**
  - Advanced Metering Infrastructure TM
  - HEC & Alternative Rates TM
  - Customer Education TM
  - Cyber Security TM

- **Distribution Intelligence TM**
  - Diagnostic Systems TM
  - Distributed Generation TM
  - Education Curriculum TM
  - Interoperability TM

- **GE - TM**
- **SSN - TM**
- **Cisco - TM**
The Smart Grid Steering Committee (SGSC) role for 2010 is to facilitate issues management and provide support for smart grid projects deployments.

Steering Committee/Project Deployment Teams Interplay

- FPL Operating Committee
- Smart Grid Steering Committee
- Issues Resolution
- Regulatory
- Communications
- Industry
- Energy Smart Florida
- Business Units’ Smart Grid-Related Projects
- Electric Transportation
- Other Projects
- New Projects
- Lessons learned
- Support project deployments

Facilitate issues management

Support project deployments

PRIVILEGED AND CONFIDENTIAL
Smart Grid is a journey, not an event, in which planning and active engagement of all stakeholders are key

Key Takeaways

• High expectations have been set across the country
• Business process, regulatory policy still in development
• Strong foundations are critical to sustain success (cyber security, communications, testing and certification)
• Active engagement of the utility industry is critical
• Execution faces challenges
• Success largely dependent on new competencies and untraditional ways of doing business in our industry