GOSSA
Grid Open Source Software Alliance

Fred Elmendorf

GPA User's Forum
August 14, 2013

Situation

▶ Open Source Software (OSS) is:
- Becoming more robust and commonly used
- Provides greater utility control and options
- A natural fit for the closely linked electric industry
- Compatible with proprietary and legacy applications

▶ Electric Utility Industry Lags behind others due to:
- Lack of accurate information regarding OSS
- Proprietary vendor lock-in with legacy systems
- Risk aversion

▶ Interesting Links:
- [10 Years of Open Source](#)
- [Future of Open Source Survey Results](#)

GRID OPEN SOURCE SOFTWARE ALLIANCE

Solution = GOSSA

- GOSSA is a not-for-profit corporation
- Kick-Off Partners are DOE, EPRI, NERC, GPA and UIUC
- GOSSA Mission
  - To promote, manage, and disseminate high quality and secure open source software
  - To bridge the gap between users and the development community

GRID
OPEN SOURCE
SOFTWARE
ALLIANCE

August 14, 2013

GOSSA Scope

Open Source Software for All Aspects of Electric Grid Management and Reliability

- Generation
- Transmission
- Distribution
- Oversight and Coordination
- Planning
- Operations
- Maintenance
- Compliance

Application Areas Include:

- Real Time Operations
- Compliance Assurance
- Preventative/Corrective Maintenance
- Advanced Grid Features and Functions
- Market Interaction

GOSSA Value Added Services

▶ <u>Standards and Guidelines</u>
Develop and maintain Grid OSS development and quality requirements

▶ <u>Community Interaction</u>
Provide a forum for the grid community to collaborate, to identify the need for, and to develop and improve Grid OSS

▶ <u>Grid OSS Inventory Awareness</u>
Maintenance of a virtual, one-stop shop for Grid OSS with regular updates provided to the GOSSA community

▶ <u>Hosting Services</u>
A repository for Grid OSS for those that need it

▶ <u>Technology Transfer</u>
Support the distribution, utilization and integration of Grid OSS

▶ <u>Technical Support</u>
Provide support to Grid OSS developers and users

GRID
OPEN SOURCE
SOFTWARE
ALLIANCE

2013 Activities

▶ Solicit input from stakeholders to refine services

▶ Define services content

▶ Develop risk management profile

▶ Develop detailed licensing requirements and corresponding legal framework

▶ Identify additional GOSSA support organizations

August 14, 2013

GRID OPEN SOURCE SOFTWARE ALLIANCE

Kick-Off Meeting

▸ Meeting objectives
- Enhance visibility
- Accelerate participation
- Feedback

▸ National meeting

▸ Washington, DC, September 6
- NRECA Headquarters
- 8:00 AM – 12:30 PM
- http://gridossa.org

GRID
OPEN SOURCE
SOFTWARE
ALLIANCE

August 14, 2013