



GUAM POWER AUTHORITY

Session 2 - IRP Stakeholder Meeting



November 29 , 2007



Mind Powered: Insight with Impact.

Integrated Resource Planning and the Shareholder Process

- Provides...
 - Guidance to the GPA team that is developing the new IRP
 - Insight on what might be community and customer issues related to new resource development
 - A “sounding board” on likely future impacts and examination of “unintended consequences”
 - *And challenges the status quo - helps create the most robust plan for the needs of GPA’s customers and it’s impact on Guam.*

General organization of the meetings

- A series of presentations by GPA's IRP team on background information and issues related to the plan.
- Each presentation will include a Q&A session with the Stakeholder Committee members
- Each stakeholder Committee meeting will include periods for questions and comments from the public
- Presentations will be posted on the GPA internet site.

Meeting Schedule and Scope

Session 1 - October 18

- What will be the future electric usage on Guam?
- What are current resources available?
- What are new generation resources available?
- What are demand side options available
- What will the future acquisition process look like.

Meeting Schedule and Scope

Session 2 - November 29

- Load Forecast Issues and Risks
- Fuel Forecast Issues and Risks
- Future Load-Resource Balance -Risks and Issues
- Likely Generation Resource Options
 - Costs
 - Operational issues
 - Environmental issues
- Initial Ranking of Demand Side Programs

Meeting Schedule and Scope

Session 3 - February 1, 2008

- Initial screening results
 - Types of resources
 - Timing of need
 - High level cost impact
- Risk analysis of screening results
- Financial analysis of screening results

Meeting Schedule and Scope

Session 4 -

- Overview of preliminary IRP results
- Additional comments to help shape the final draft IRP
- Next phase in the IRP process
 - Final Draft for the PUC
 - PUC process for acceptance of the IRP

Distribution of “Final Draft” for Comments

- “Final Draft - ver. 1” is submitted to the Stakeholder Committee for comments
- Final Draft completed and ready for filing with the PUC and general distribution
 - File by June 2008
 - Accepted by December 2008

Best Contacts for Questions and Information During the Process

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Today's Agenda

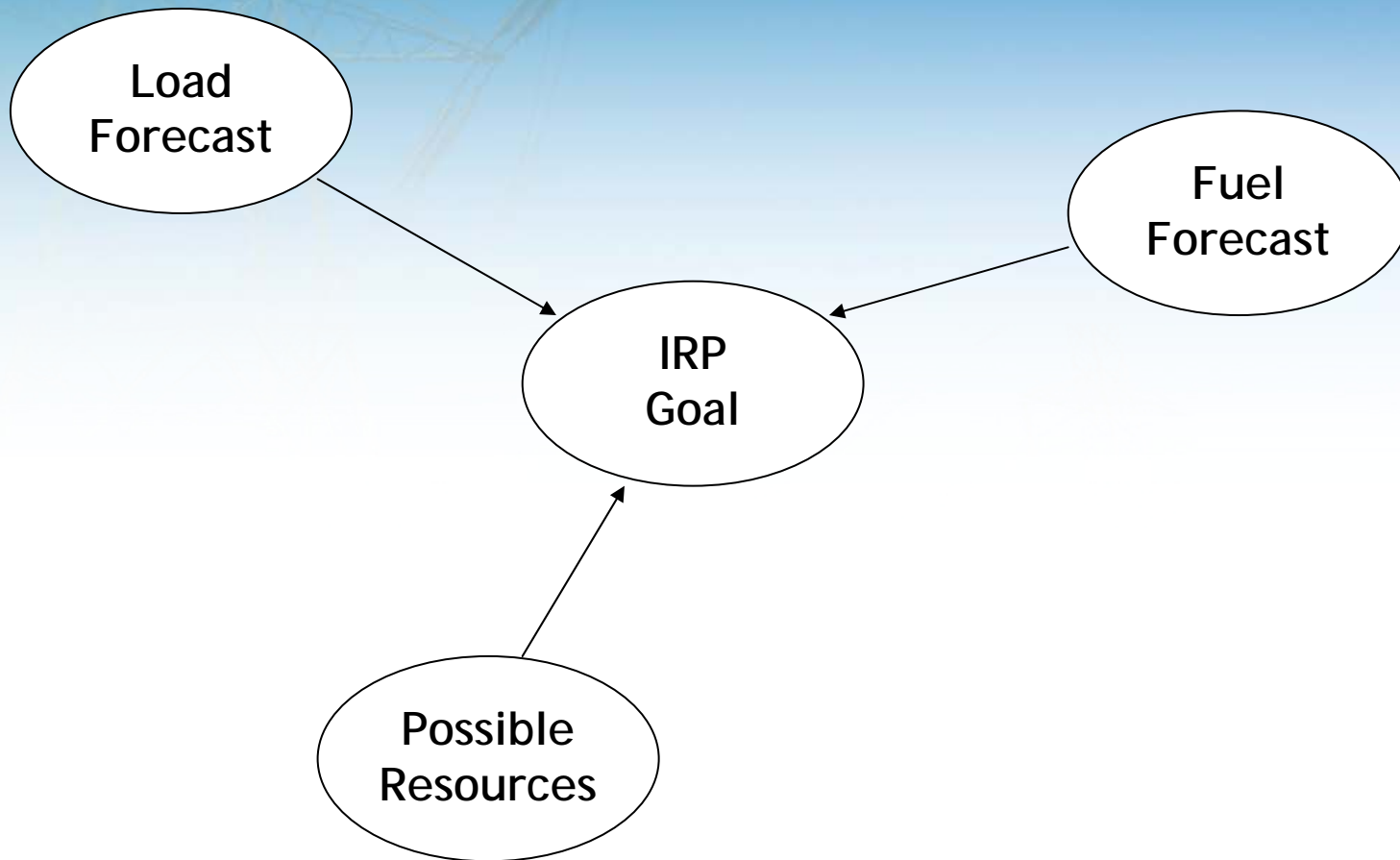
- **8:30 - 9:00** *Load Forecast*
 - Normal growth of Guam and Tourism
 - DOD build up and timing
 - Customer self generation
 - Load Forecast Planning Scenarios
- **9:15 - 9:45** *Fuel Forecasts*
 - Future pricing and volatility
 - Availability and deliverability
 - Environmental and regulatory risks
 - Fuel Forecast Planning Scenarios
- **10:00 - 10:15** *BREAK*

Today's Agenda

- *10:15 - 10:45 Load and Resource Balance*
- Determination of required amount of system generating capacity to ensure adequate supply
- Load duration curve
- Loss of Load Expectation, Loss of Energy Expectation
- Reserves: spinning, operating, reserve margin
- Why generation may be added before there is a capacity need

- *11:00 - 11:30 Initial Look at New Power Plant and DSM program costs*
- Screening curve analysis
- Present and discuss several generation options
- Initial screening curve analysis of generation options
- Likely Demand Side Management options

- *Break for Lunch and possible follow up conversations*



Additional Questions?

If not, lets proceed