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Lawrence D. Willey, P.E. Vice President
Energy/Business Services

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Energy Northwest in Motion: Serving the Region

Member Focused
Today's Resources
Tomorrow's Solutions
End User is King





Guided Motion - last year's input Motion is Change - react to external forces Change with Relevance - benchmarking Perform with Excellence - accountable Changes Evolving - seeing around the corner Listening & Moving - transitions Doing & Listening in Parallel - new sparks Round Table Pre-brief – voice of the Customer





Guiding Motion . . .





One year ago, we asked for your feedback



...What we heard

- Build member confidence; maintain visible interaction at PUD level
- Investigate regional conservation/demand response
- Plan for future need by banking technologies and sites
- Consolidate buying power for common purchases
- Assist with talent recruitment and retention systems





How we've responded

- CEO, VP visits to members and association meetings
- EN formed Demand Response team and submitted pilot project proposal to BPA
- EN partnering on NuScale Small Modular Reactor proposal
- Studying feasibility of establishing aggregate buying program
- 2013 Member Forum breakout sessions on talent acquisition, leadership assessments, succession planning, and the Excellence Model





Motion is Change . . .





Public Power

FY12

- > Tier 2 power need emerging
 - > Improve Demand Forecasting
- > Refurbish Member existing generation assets
 - > Develop key additional generation projects

FY13

- > Improve existing generation plant performance
- > Offer low-price, low-risk power supply options
 - > Technical Workforce challenges
 - > Improve Transmission efficiency

FY14

- > Energy demand flat, reduced
- Load impacts of Distributed Generation, Net Metering
 - > Bank Sites for need-based development
- > Conservation, Energy Efficiency

FY15 +

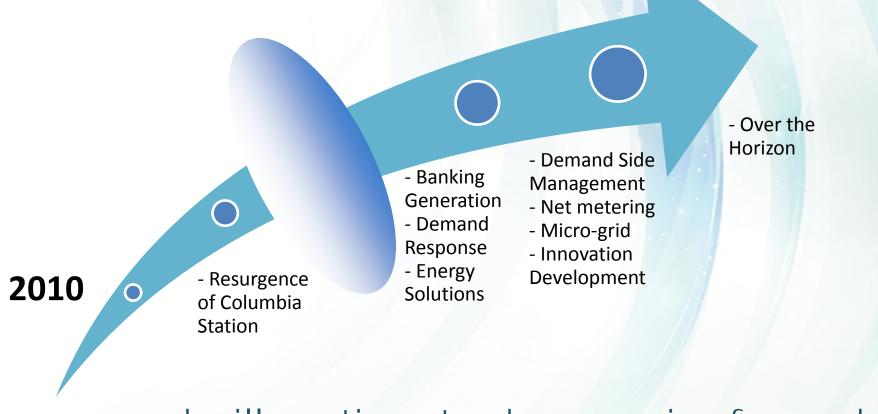
- > Energy demand flat, reduced
 - > Demand Side Management:
 - Demand Response
 - Distributed Storage
 - > Establish development partnerships

Continuously evolving





Energy Northwest has changed



. . . and will continue to change going forward





Change with Relevance.





Benchmarking to Better Serve

Utah Associated Municipal Power Systems (UAMPS)

Platte River Power Authority (PRPA)





Nebraska Public Power District (NPPD)



Municipal Electric Authority of Georgia (MEAG)





MEMBER FORUM XVI

Preliminary thoughts

How do other joint agencies manage their

Member Construct?

- Simple Board structure
- Board listening sessions
- Board governance of Agency
- Agency leads the business
- Proactive member participation
- Member project definition
- Member project leadership
- Member skin in the game
- End user is king









Perform with Excellence . . .





Well Run Generation Diversity is Essential







Public Power User Groups

- Application of power technologies
- Expertise from around the region
- Knowledge sharing



- Small hydro
- Demand Side Management
- Micro-grid



Cost, Performance & Market Benchmarking

Lawrence Berkeley National Laboratory – Wind

Oak Ridge National Laboratory – Hydro





Banking generation sites

Viable generation options ready when members need them

- Kalama CCGT mothballed
- Most recent activity neoen (solar)



Others simmering; wind, biomass

Less emphasis today – but always ready





Changes Evolving . . .





What's on the Horizon?

- Demand Side Management
- Demand Response
- Energy Storage
- Distributed resources
- Net metering
- Micro-grid
- Others





Listening

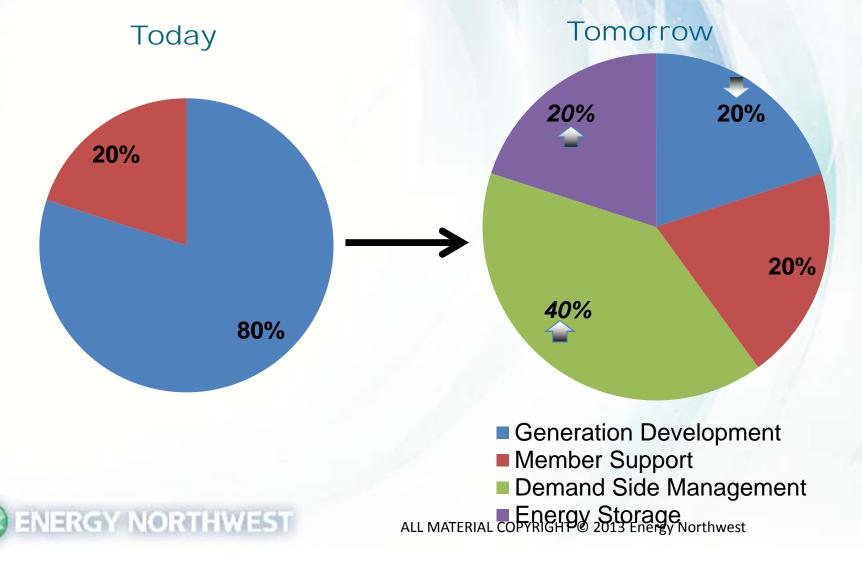


Moving



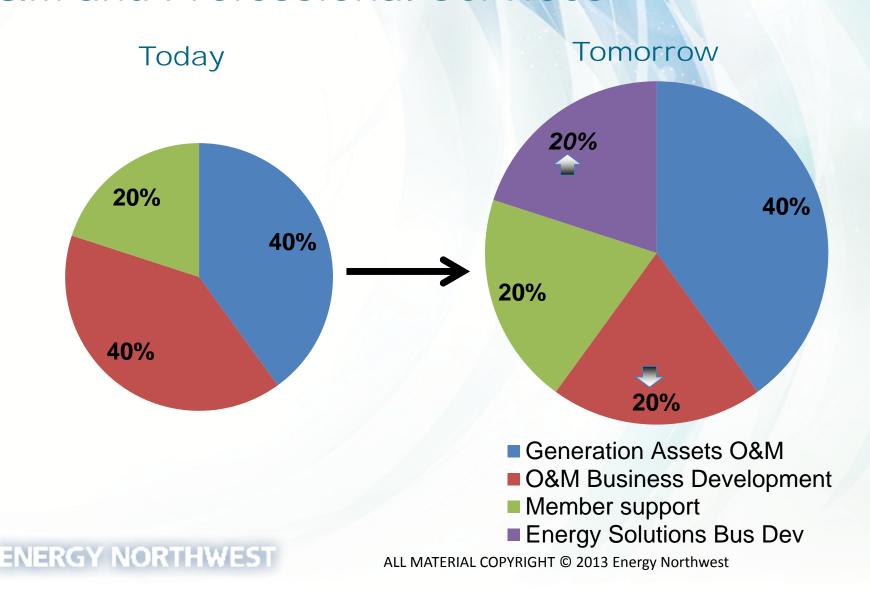


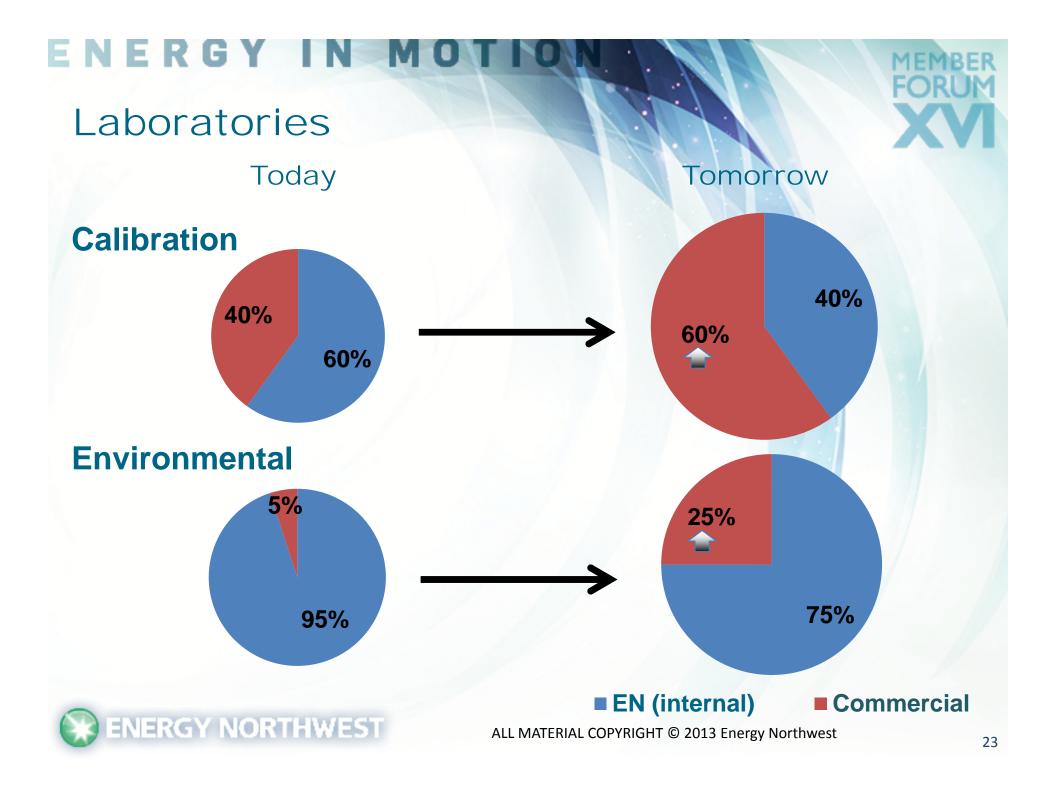
Generation Project Development





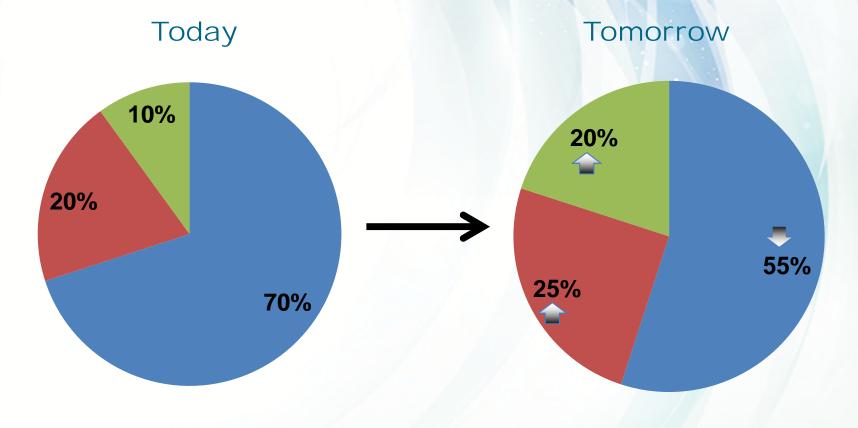
O&M and Professional Services







Facilities



Leasing Restoration Disposition (WNP 1/4)





Doing & Listening in Parallel . .



MEMBER FORUM XVI

Professional Energy Services

- Project management
- Professional labor
- Craft labor
- Construction
- Operation
- Maintenance
- Deal structuring
- Power marketing
- Bond financing











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MEMBER FORUM

Consulting & Reports



- Power technology
- Brainstorming
- Facilitation
- Scoping & Order of Magnitude
- Root Cause Analysis
- Finance; Training; Audits
- Environmental Management System/ISO-14001
- Human Resources
- Integrated resource planning
- Equity Outlook & Cost



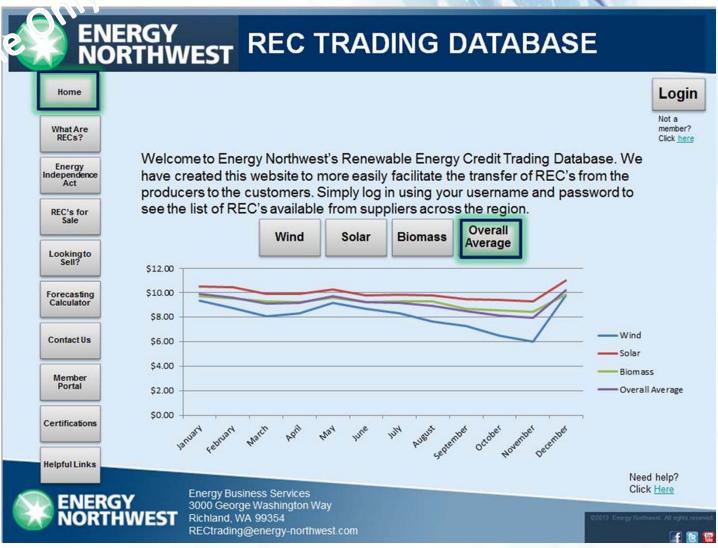
MEMBER FORUM

Indicative Pricing



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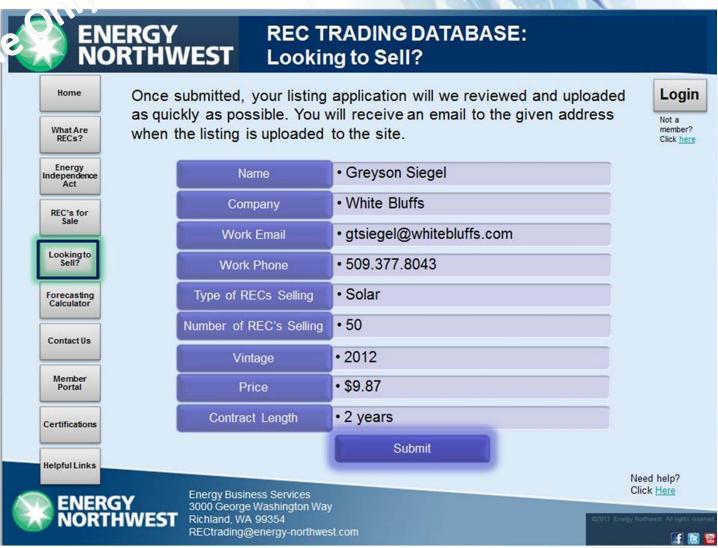






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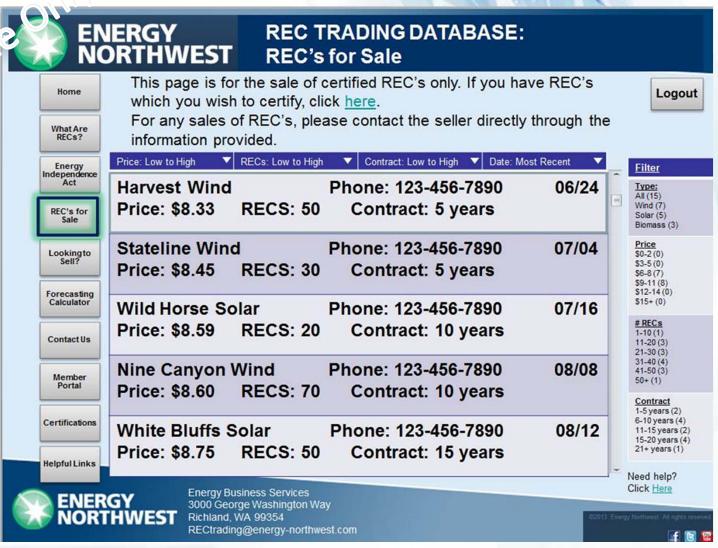






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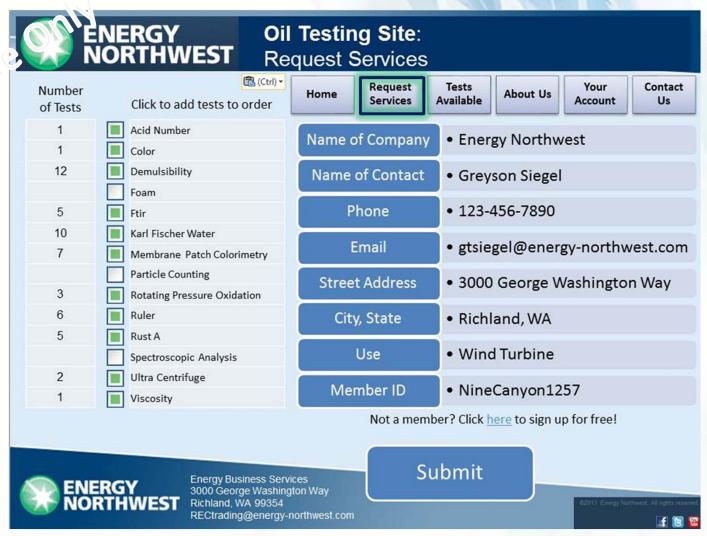








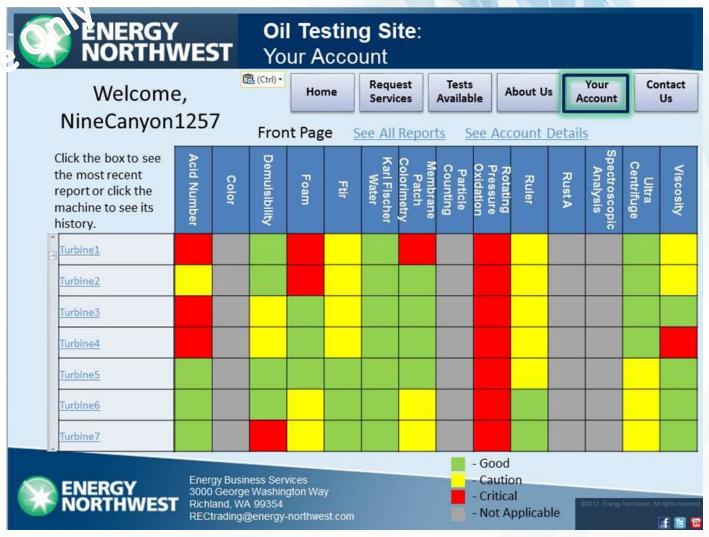
eOil_Test







eOil_Test









- Energy Northwest is ~7% member
- 2010 U.S. DoC grants; ~80% of \$138.8MM spent
- 1,000 miles fiber and 8 new microwave sites
- Enabling; 300 community anchor institutions + 1000's end users



What's next?

- Build-out?
- Future directions?
- Upcoming vision discussions w/ CEO (Greg Marney) & COO (Dave Spencer)





Round Table Pre-brief . . .





Let's discuss opportunities!

- Structured roundtable discussions: coming together to share information
- 8 tables:
 - 4 in this main room
 - 2 in the atrium (where you had lunch)
 - 2 in the Clearwater Room (across the hall from where the Board meeting was held)
- GMs, Power Managers and staff: after the break, please go the Atrium Room and seat yourselves at Tables 7 and 8
- Board members and commissioners: after the break, please come back here and seat yourselves at Tables 1 - 6





Structured roundtables

- To stimulate new ideas, we encourage you to sit with colleagues that are not from your own utility
- Each table will meet for about 10 minutes with rotating Energy Northwest staff, who will facilitate and take notes
 - Facilitators will present topics and scenarios for discussion
 - Note Takers will gather comments and suggested actions
 - Facilitators will rotate; Note Takers will stay at the same table
 - 10 minutes per question
- We'll close the activity by posting the clear themes and actions on wall charts and provide the opportunity for all participants to vote their top choices using "dots"





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Questions? Comments?



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