



INVESTING IN A CLEAN FUTURE



Austin Energy's Resource, Generation and
Climate Protection Plan to 2020 Update

March 2014

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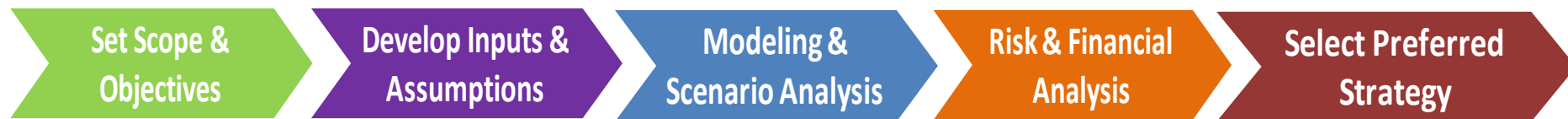
Public Participation Update to EUC & RMC

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March 2014



- Held 3 stakeholder input meetings
 - ✓ Tuesday 2/25 – 10 a.m. to noon
 - ✓ Tuesday 2/25 – 6 to 8 p.m.
 - ✓ Thursday 2/27 – 1 to 3 p.m.
- 102 total stakeholders attended meetings
- Requested feedback from stakeholders
 - ✓ Presentation + Q & A (Video taped)
 - ✓ Interactive booths : deep dive with subject matter experts
 - ✓ Note cards & online Q&A
 - ✓ Resource allocation exercise
 - ✓ Online survey
- Today's EUC Meeting – summarize feedback



Resource Allocation Exercise Feedback

% of Responses	Target Goal Year	Avg. Desired Renewables
38%	2020	66%
41%	2025	69%
11%	2030	66%
5%	2040	83%
5%	2050	18%
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100%		

Notes:

Based on 37 responses

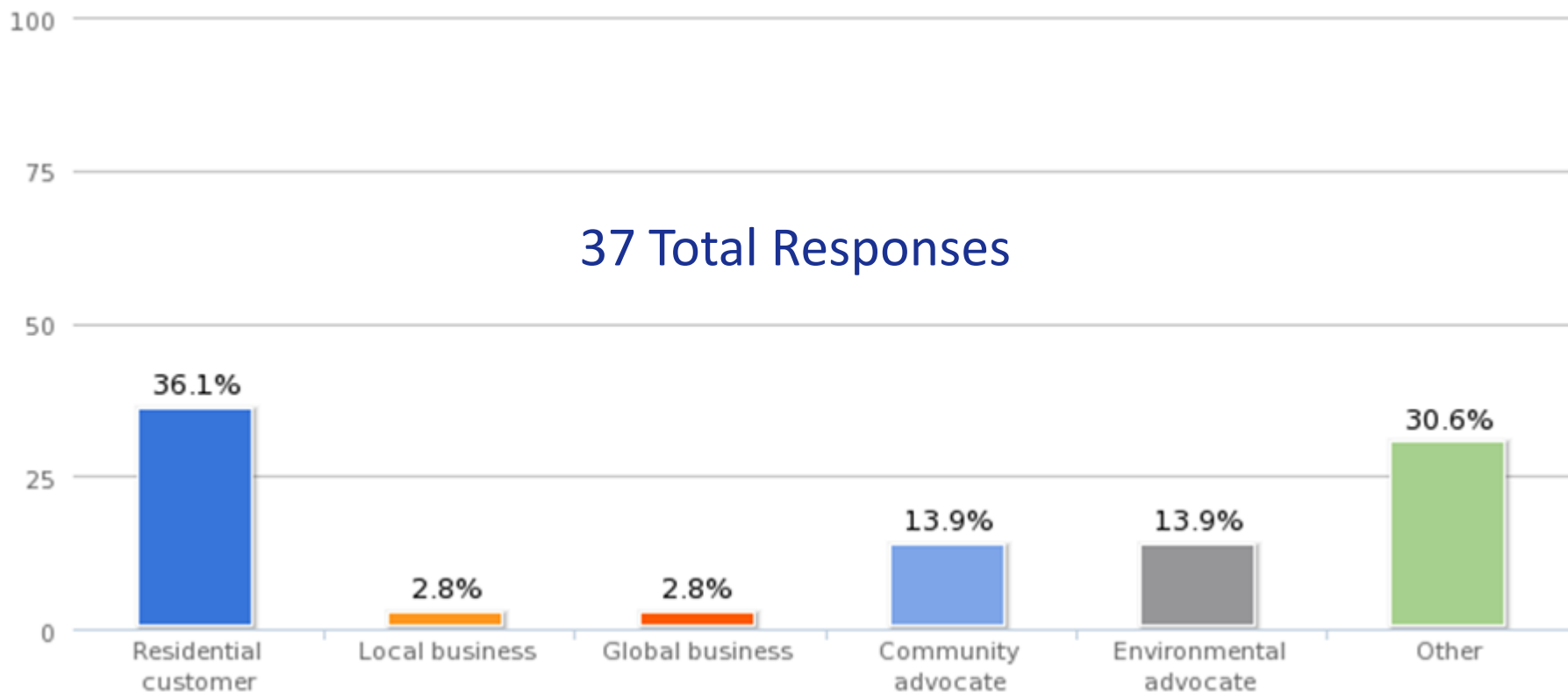
Target years grouped for summary purposes



Survey Representation

Who do you represent when attending the Stakeholder meeting?

37 Total Responses



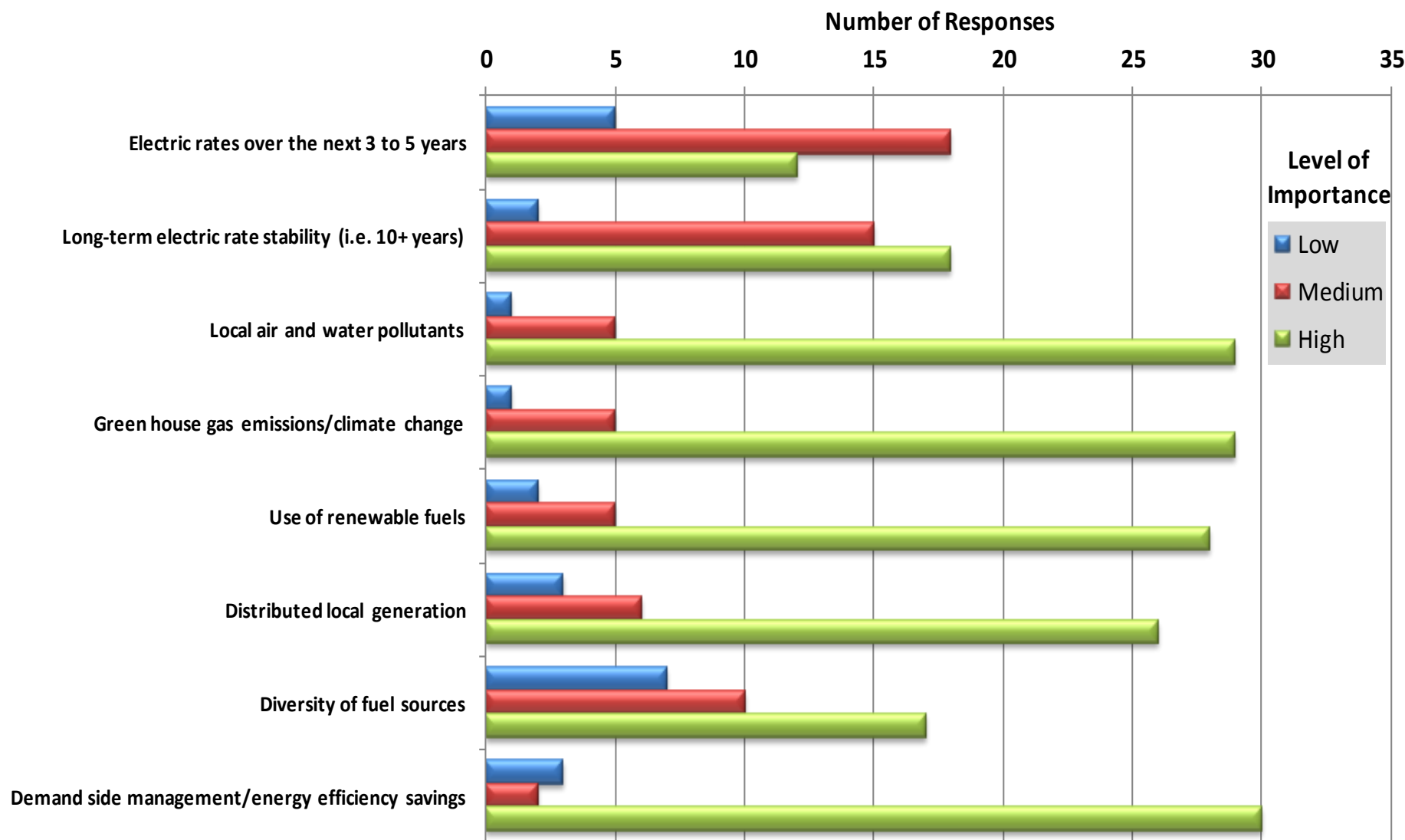
Other = COA Commissions/UT/Commercial Property/Community Member etc.



Survey Highlights

- Renewables, Demand Side Management, greenhouse gas emissions and reducing pollutant received most favorable scores
- Short-term and long-term rate importance received only a few high scores
- Open ended question response:
 - Support 50% renewables for 2020 and 60% by 2024 (half local and 1/4 customer controlled by 2020) and a 10% solar goal by 2024
 - AE's generation and customer consumption are not tied together
 - AE can be 100% green but ERCOT carbon emissions would continue to increase
 - Simplify complex policy options now and moving forward
 - AE should have strategic environmental goals over time but allow the utility to have discretion for execution to meet goals
 - Set targets and back load rollout or adoption if required
 - Change AE business model so selling less power doesn't jeopardize financial stability
 - Don't force price increase on low-income customers
- Customer willing to pay on average per month
 - To be an early adopter: \$8 median (Ranges from \$0 to \$300)
 - CO₂ Emission reductions: \$9 median (Ranges from \$0 to \$200)
 - Local Solar vs West Texas Solar: \$2 median (Ranges from \$0 to \$200)

Power Generation Issues





Theme of Q&A

- Environmental & Climate Change

- ☐ Carbon pricing
- ☐ Impact of fracking & methane regulation
- ☐ Coal ash regulations
- ☐ Community impacts on running FPP
- ☐ Emergency response mode for climate change

- Scenarios

- ☐ Expand goals with more wind & solar
- ☐ Increase Demand Side Management
- ☐ Compressed Air Energy Storage & other storage technologies
- ☐ Smaller gas plant or built in multiple phases
- ☐ Distributed generation

- Education & Clarification

- ☐ Better understanding of the ERCOT market
- ☐ Modeling of Demand Side Management in load forecast
- ☐ Emissions and dispatch of Decker Creek Power Station
- ☐ Impacts of rates if Austin did not own any resources
- ☐ Budget for solar and Demand Side Management



Summary of Scenarios and Key Uncertainties

		Potential Scenarios							
		Least Cost Plan Meeting Council Goals	No Additional Generation	Increase Goals			Replace FPP & Decker		
				1000 MW of DSM with 40% Renewables by 2020	1200 MW of DSM with 50% Renewables by 2025	100% Emission Free by 2025	With Renewables + Natural Gas Simple Cycle Peakers	With Renewables + Natural Gas Combined Cycle	With Renewables + Compressed Air Energy Storage
Key Uncertainties (Relative to Current Forecasts)	High Gas								
	Low Gas								
	High Load								
	Low Load								
	High Carbon								
	Low Carbon								
	Capacity Market								
	PTC/ITC Extn								

- Scenarios cover a wide range of values for key uncertainties
- Selected scenarios cover most feedback from the stakeholders

Proposed Timeline to City Council

