

Missouri Public Service Commission Electric & Natural Gas Roundtable



**Integrated Resource Planning (IRP) for Electric
& Natural Gas Utilities Rulemaking Workshop**

May 20, 2005



Electric & Natural Gas IRP Rulemaking Workshop

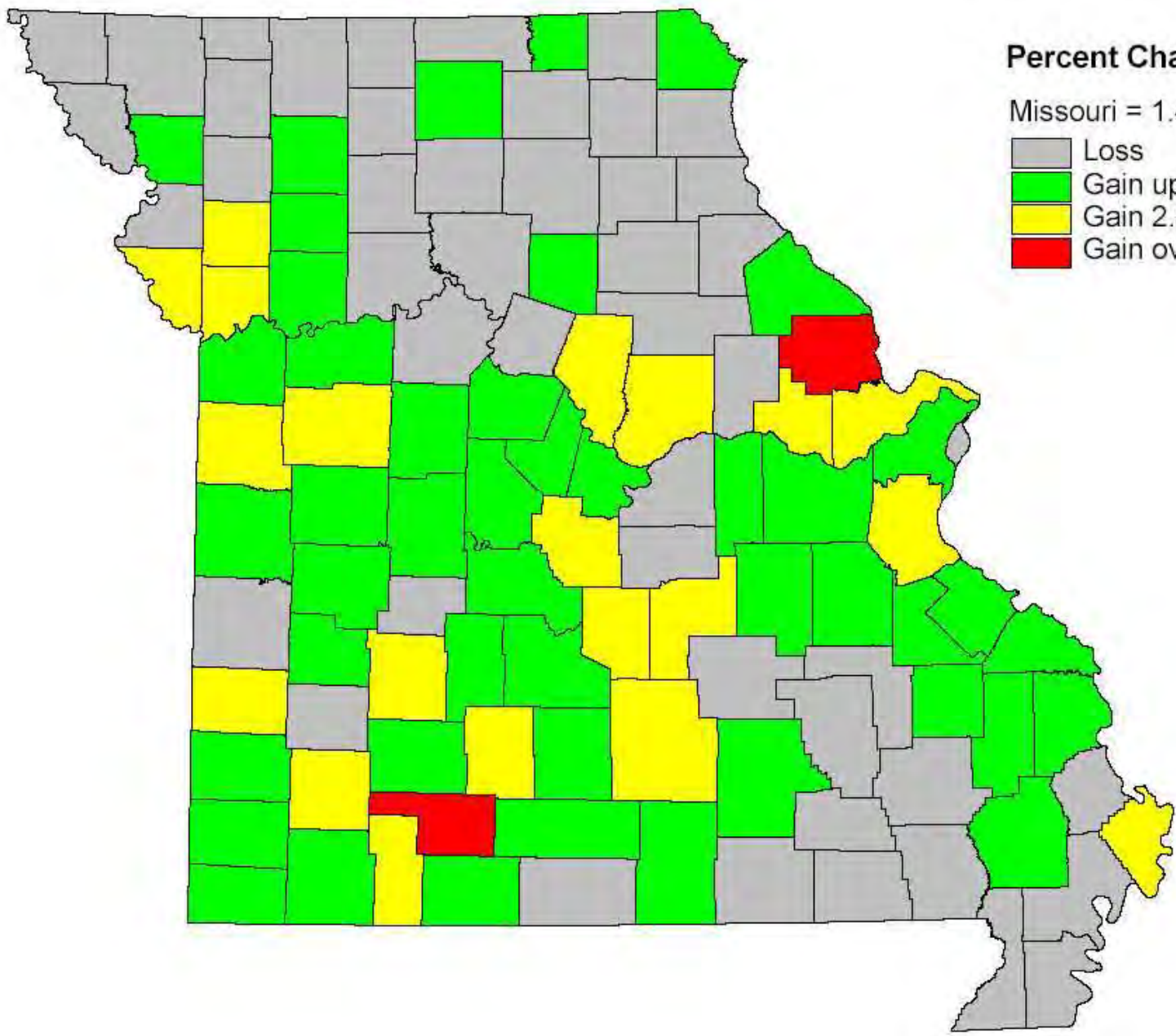
- ★ Welcome to this Missouri Public Service Commission Roundtable/Workshop on Possible Electric & Natural Gas Integrated Resource Planning (IRP) Rulemaking
- ★ This promises to be a very interesting exchange of information and opinions.

Electric & Natural Gas IRP Rulemaking Workshop

- ★ A compendium with all of today's presentations will be posted to our internet site within two weeks @ <http://www.psc.mo.gov/publications.asp> under both the "electric" and "natural gas" categories.
- ★ If you would like to be added to our roundtable mailing distribution list, please provide me with a business card or a piece of paper with your name and mailing address.

Which Resource Is "Best"?





Percent Change

Missouri = 1.4% Gain

- Loss
- Gain up to 2.5%
- Gain 2.5% to 7.5%
- Gain over 7.5%

Missouri's Electric Generation Resources





- ★ Regulated Investor Owned Utilities (IOUs) – AmerenUE, Kansas City Power & Light, Aquila MPS and L&P, Empire District Electric
- ★ Cooperatives
- ★ Municipals
- ★ Independent Power Producers
- ★ Out of State Generation Under Contract – (SWPA, GRDA, etc...)






Missouri's Electric Transmission Resources

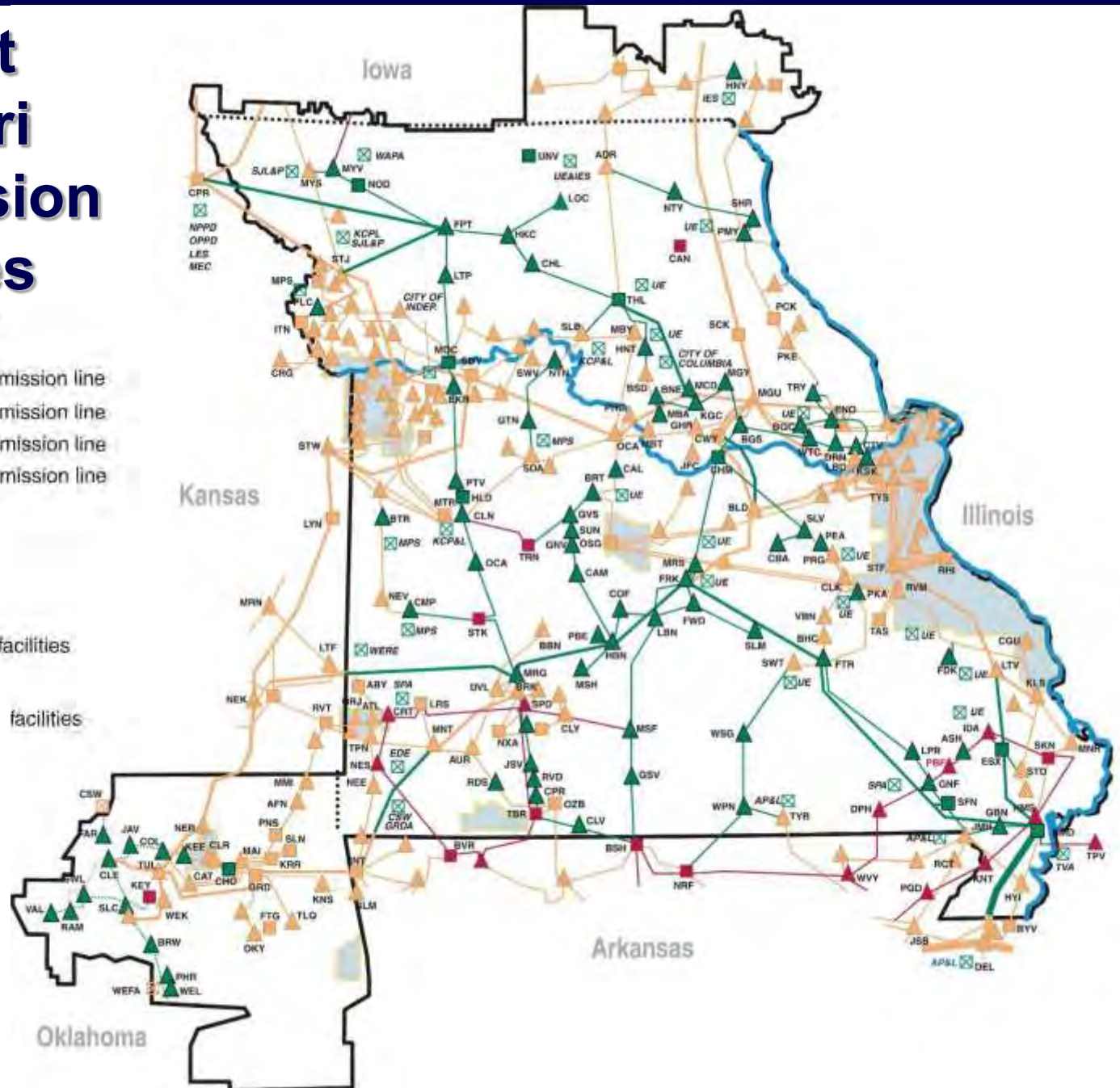
- ★ Regulated Investor Owned Utilities (IOUs) – AmerenUE, Kansas City Power & Light, Aquila MPS and L&P, Empire District Electric
- ★ Cooperatives
- ★ *Municipals Control Relatively Few Miles of Transmission But Are Highly Dependent On Transmission*

Current Missouri Transmission Facilities

LEGEND

-  138-kV transmission line
-  161-kV transmission line
-  345-kV transmission line
-  500-kV transmission line

-  Substation
-  Generation
-  Interconnection
-  Other companies' facilities
-  Federal facilities

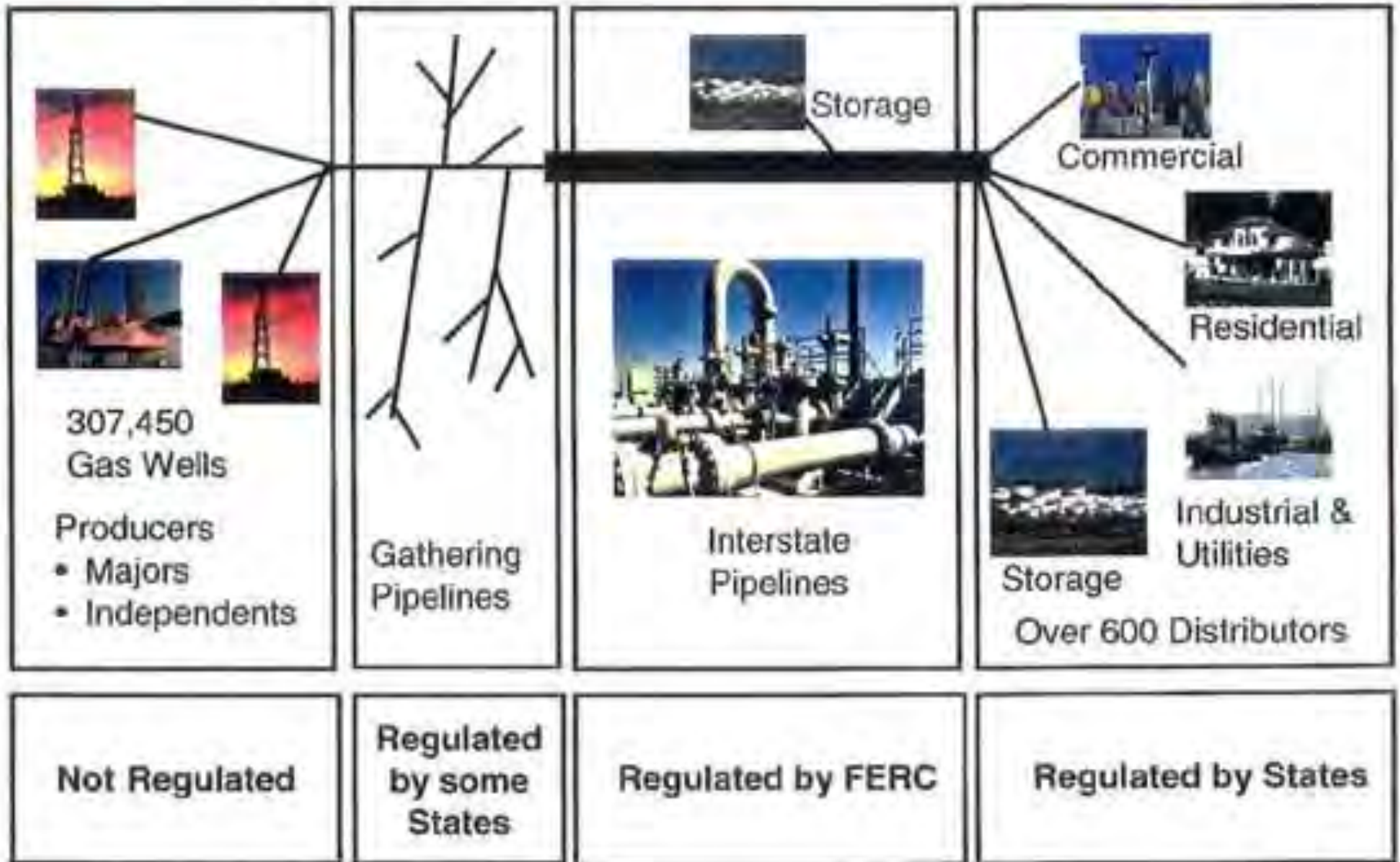


Missouri's Natural Gas Providers

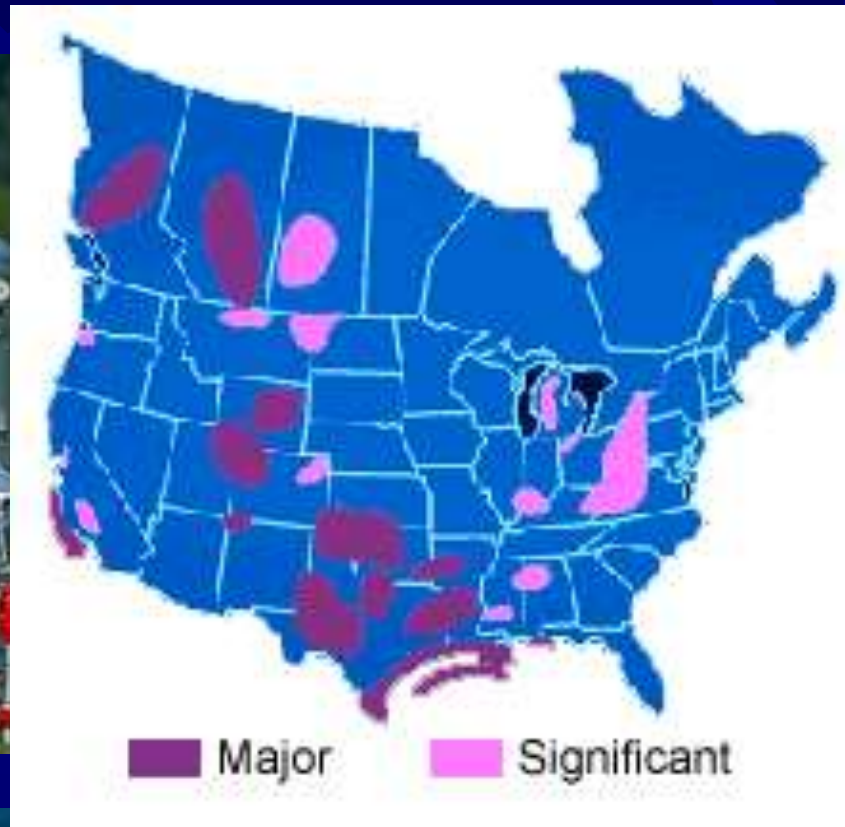
- ★ Regulated Investor Owned Utilities (IOUs) – Laclede Gas Company, Missouri Gas Energy, AmerenUE, Aquila MPS and L&P, Southern Missouri Gas, Atmos Energy Corp., Fidelity Natural Gas, and Missouri Gas Utilities
- ★ Municipals – City Utilities of Springfield, Fulton & 40 Other Towns
- ★ Missouri has very little natural gas production, we are highly dependent on production from other areas.



The Natural Gas Industry



Gas Supplies – Production Regions & Methods:



Missouri's Natural Gas Pipelines

Local Distribution Companies (LDCs)	Interstate Pipelines								
	ANR	KPC	Kinder	MRT	NGP	Ozark	PEPL	TET	SSC
Volumes Delivered in MO - Rank	6-7-8	6-7-8	4-5	2	9	6-7-8	3	4-5	1
Aquila Networks									
L&P	X								
MPS							X		X
Atmos Energy									
Butler							X		
Greeley									X
Kirksville	X								
United Cities					X		X	X	
Southeast MO				X	X	X		X	
Fidelity	Served Exclusively by Intrastate Pipeline (MPC)								
Laclede				X					X
MGU									
MGE		X	X				X		X
**Missouri Pipeline Company				X			X		
SOMO Gas									X
AmerenUE					X		X	X	



Electric & Natural Gas IRP Rulemaking Workshop

10:10 Objectives of Integrated Resource Planning

Ryan Kind, Chief Economist, OPC

10:30 Electric & Natural Gas IRP Rules History & Status

Mike Proctor, Chief Economist, MoPSC

Electric IRP Rule

10:50 Degree of Change Required – Minor, Major, or In-Between?

Lena Mantle, Engineering Manager, MoPSC

11:15 Key Drivers Underlying Rationale to Change Rule

Tony Artman, Principal Planning Engineer, Ameren Services

11:40 Rulemaking – The Process

Tom Imhoff, Rates/Tariffs Manager, MoPSC

11:50 Lunch

1:00 Open Discussion/Question Period Until 2:00



Natural Gas IRP Rule

2:00 Interest In a Natural Gas IRP Rule & Possible Structures

Mike Pendergast, Vice President & Associate General Counsel, Laclede Gas Company

Doug Micheel, Deputy General Counsel, Office of the Public Counsel

Lesa Jenkins, Procurement Analysis Engineering, MoPSC Staff

3:00 Open Discussion/Question Period

4:00 Adjourn