



Use of GIS in Transmission Corridor Siting

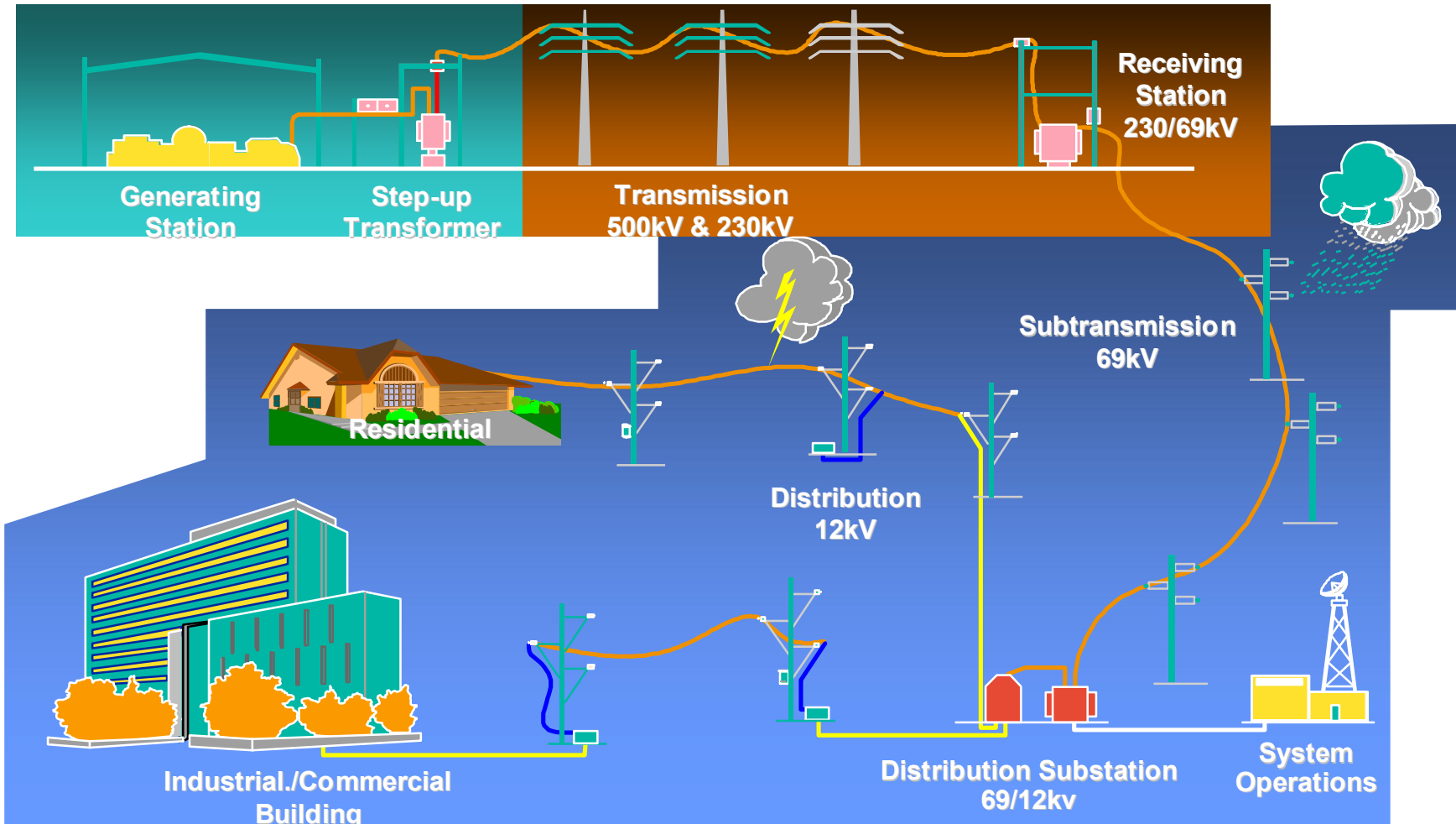
June 22, 2009



Agenda

- “ Welcome
 - “ Jeff Loehr, SRP Transmission System Planning
- “ Overview of Transmission Siting Process
- “ Use of GIS in Siting Analysis and Route Selection Process

System Overview



Planning and Siting Process, 115kV and above

- “ Need for new Line Identified
- “ State and Federal Line Siting Process
 - . Public Input and GIS Information
 - . Route Selected by ACC or Federal Agency
- “ Right of Way Procurement
- “ Construction

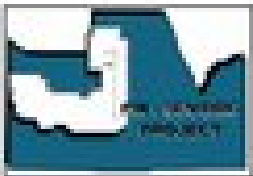
Use of GIS in Siting Process

- ” GIS is used to:
 - . Identify and Catalogue Opportunities and Constraints
 - . Identify Interested Parties
 - . Document Public Input
 - . Visualize Information

Use of GIS in Siting Process

OPPORTUNITIES

Certificate of Environmental Compatibility
 Figure 2
 Opportunities
 Final Report to the Resource Inventory/Planning Project
 Date: 04/10/02 Page: 1 Author: JLB
 This Report is also available in volume 2 of the 2002-2003 Annual



LEGEND

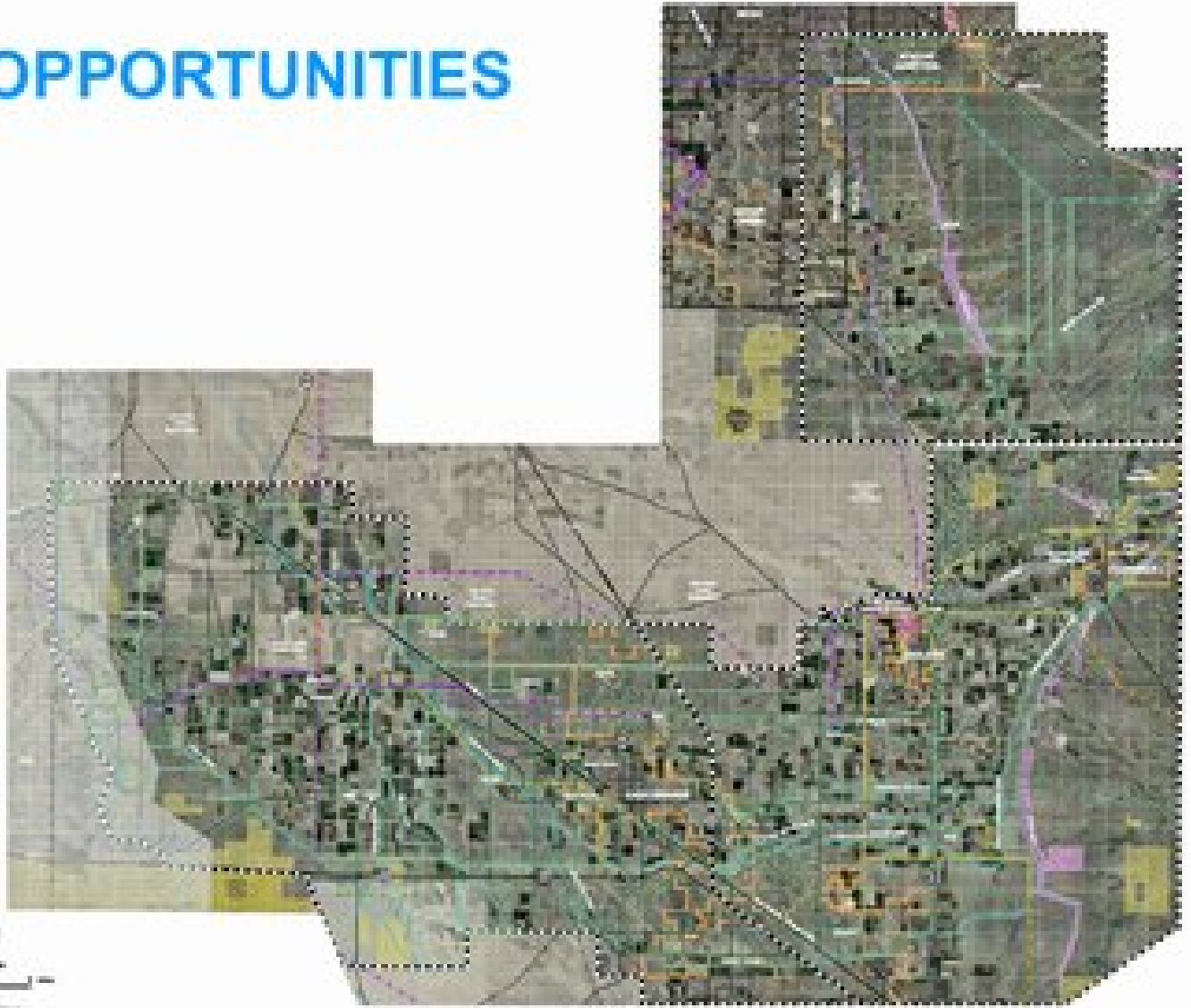
Opportunities

- 500 kV Transmission Line
- 360 kV Transmission Line
- 230 kV Transmission Line
- Proposed/Certified 230 kV
- 161 kV Transmission Line
- 115 kV Transmission Line
- Pipelines
- Proposed Service Pipeline
- Large Canal/Developed Drainage Feature
- Railroad
- Interstate
- Major Road
- Section Line
- Transmission Interconnection Area

- Project Boundary
- Existing Receiving Station
- Existing Generation Station with Interconnecting
- Existing Substation
- Existing Generation Station (Hydroelectric)
- Future Receiving Station
- Future Generation Station
- Future Substation

- Bureau of Land Management Land
- Bureau of Reclamation Land
- Sierra Club/Desert National Monument
- Indian Lands
- Philanthropic Areas

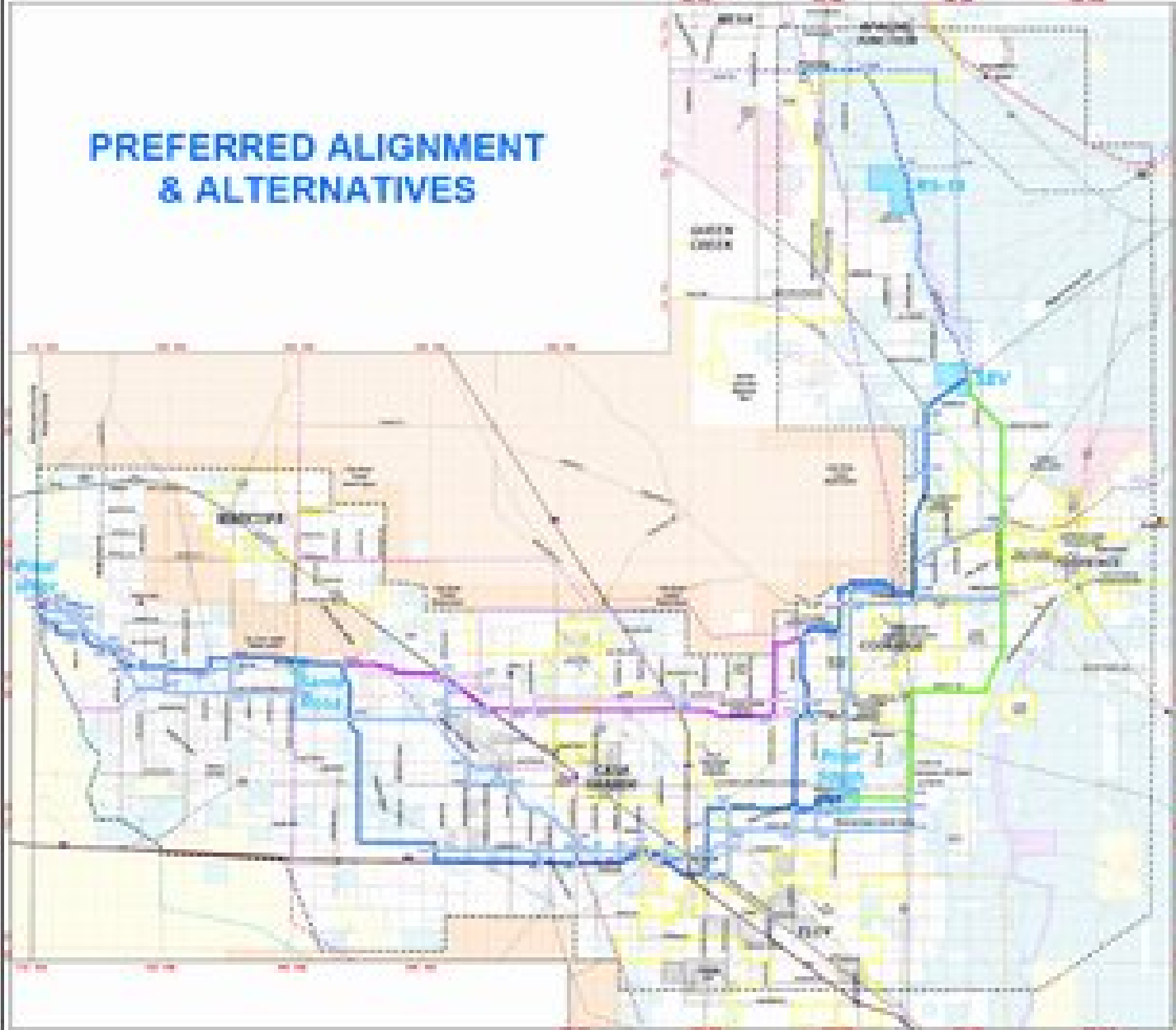
- County Line
- Municipality
- Water





PREFERRED ALIGNMENT & ALTERNATIVES

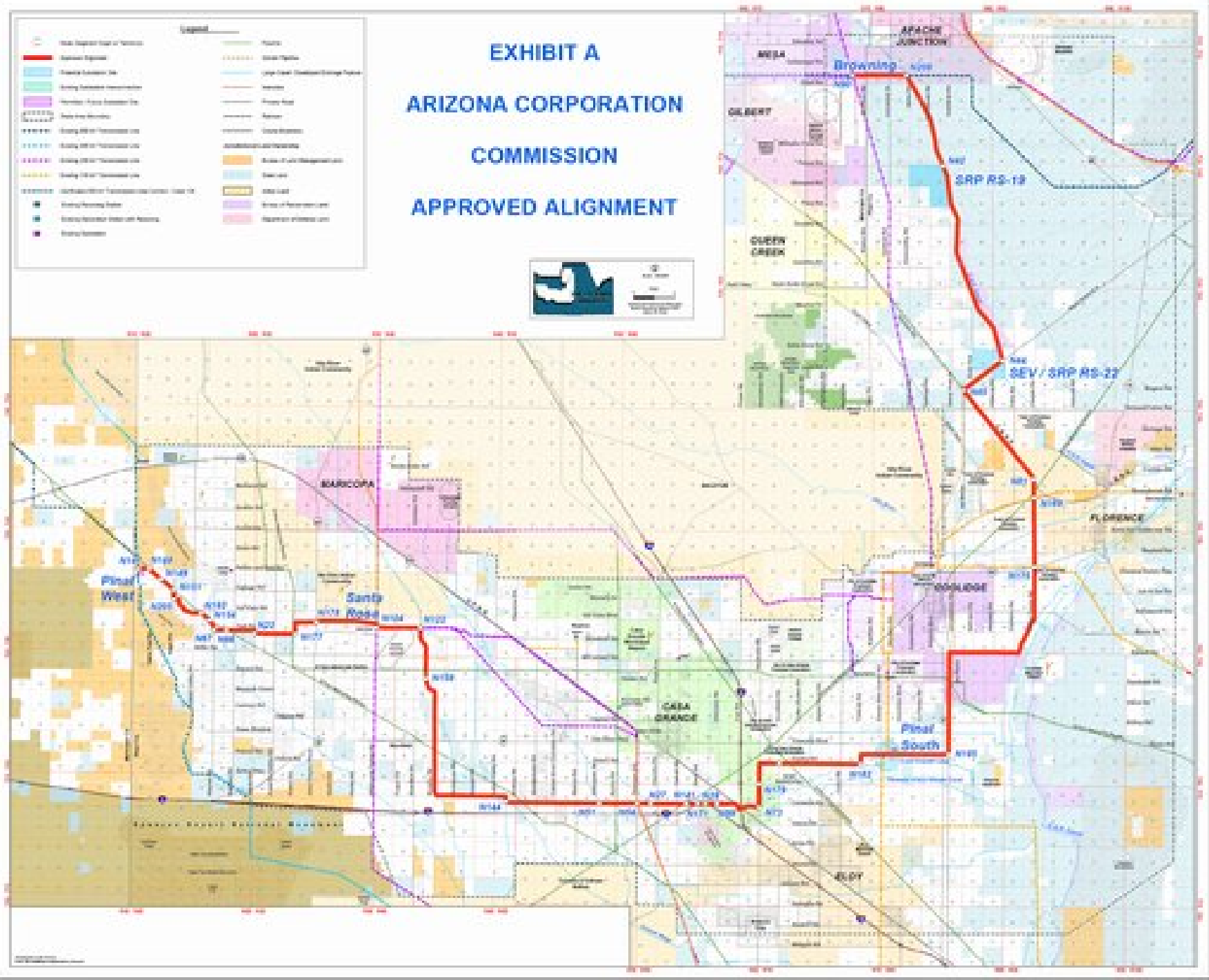
PROJECT INFORMATION
 PROJECT NAME: [Illegible]
 PROJECT NUMBER: [Illegible]
 DATE: [Illegible]



	Preferred Alignment		Intersection
	Alternative 1		Right-of-Way
	Alternative 2		Manhole
	Alternative 3		Proposed
	Alternative 4		Existing
	Alternative 5		Proposed
	Alternative 6		Existing
	Alternative 7		Proposed
	Alternative 8		Existing
	Alternative 9		Proposed
	Alternative 10		Existing
	Alternative 11		Proposed
	Alternative 12		Existing
	Alternative 13		Proposed
	Alternative 14		Existing
	Alternative 15		Proposed
	Alternative 16		Existing
	Alternative 17		Proposed
	Alternative 18		Existing
	Alternative 19		Proposed
	Alternative 20		Existing

EXHIBIT A
ARIZONA CORPORATION
COMMISSION
APPROVED ALIGNMENT

Legend	
	Proposed Alignment
	Existing Alignment
	Proposed Right-of-Way
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	Proposed Right-of-Way



Summary

“ Questions ? ? ?

“ SRP Websites, future transmission:

<http://www.srpnet.com/electric/future.aspx>

<http://www.azpower.org>

