



AIRPORT
PLANNING DESIGN & CONSTRUCTION
SYMPOSIUM

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SHERATON DOWNTOWN DENVER HOTEL
DENVER, COLORADO



PLANNING DESIGN & CONSTRUCTION

WORKSHOP NUMBER: 4

WORKSHOP TITLE: Airport Land Use: A Generational Issue or Near Term Solution?

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Introduction

- **THESIS**

1. *Old federal legal tools were marginally effective at solving old land use incompatibility problems.*
2. *Old federal tools have limited applicability to new land use compatibility problems.*
3. *Very few new federal tools are taking shape to tackle new problems.*

Land Use Compatibility Issues

Old Issues	New (Continuing) Issues
Noise	Noise
Safety	Safety
	Air Quality/Climate Change
	Security
	Wildlife attractants
	Electromagnetic interference
	New types of land uses (e.g., solar collectors)
	Parks and wilderness

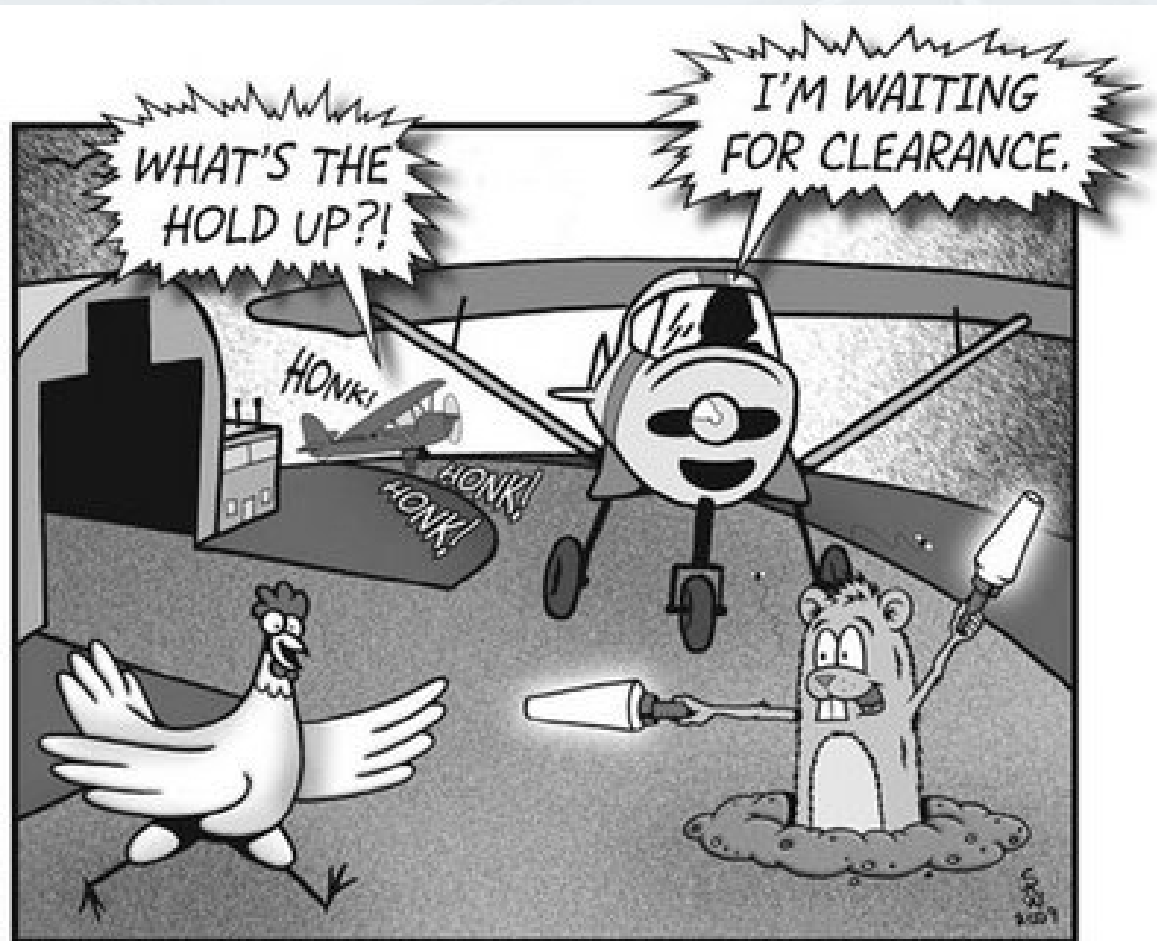
New Potential Problems



New Potential Problems



New Potential Problems



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OVER AT VANCE BRAND MUNICIPAL AIRPORT

Tools

Tool	Benefits	Limits
FAR Part 150	<ul style="list-style-type: none"> - Comprehensive noise study - Establishes eligibility for federal assistance - Public education 	<ul style="list-style-type: none"> - Voluntary program - Not approving actual measures - Limited to DNL 65 dB
FAR Part 161	<ul style="list-style-type: none"> - Process for studying potential noise rules 	<ul style="list-style-type: none"> - Procedurally demanding - FAA approval required for Stage 3 restrictions
NEPA	<ul style="list-style-type: none"> - Process for comprehensive study of environmental impacts 	<ul style="list-style-type: none"> - Procedural, not substantive
NextGen	<ul style="list-style-type: none"> - Potential to reduce noise - New technology 	<ul style="list-style-type: none"> - Goal is efficiency, not compatibility

Tools

Tool	Benefits	Limits
FAR Part 77	<ul style="list-style-type: none">- Notice is mandatory- Identifies obstructions and hazards	<ul style="list-style-type: none">- FAA determination does not control construction- Does not address certain potential hazards
Grant Assurances	<ul style="list-style-type: none">- Specific requirements for land use compatibility and potential hazards	<ul style="list-style-type: none">- No definite standards
Federal Funding for Land Acquisition	<ul style="list-style-type: none">- Eliminates incompatibility	<ul style="list-style-type: none">- Resale and repayment obligations
FAR Part 139	<ul style="list-style-type: none">- Prescriptive requirements- Includes wildlife hazards	<ul style="list-style-type: none">- On-airport only

Scorecard

- Few Part 150 studies pending
- No Part 161 applications approved
- Continued adherence to DNL 65 dB
- New pressure to sell noise lands
- New pressure to control wildlife
- Part 77 improved, but not perfect
- Stalemate on wind
- Stalemate on parks and wilderness
- NextGen still in its infancy
- No other new tools on the horizon