

Connecting Disciplines Through Land Use Compatibility Planning

Engaging New Advanced Air Mobility Stakeholders

Maranda Thompson
Sr. Aviation Planner, Mead & Hunt
August 3, 2022

Agenda

- Advanced Air Mobility
 - New operations & locations
- Compatibility Planning
 - Factors & Process
- AAM Stakeholders
- Stakeholder Engagement
 - Level of participation & research gaps



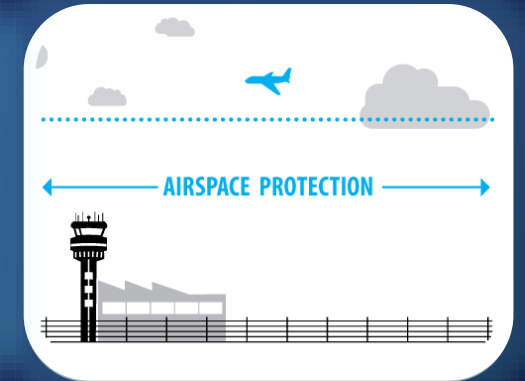
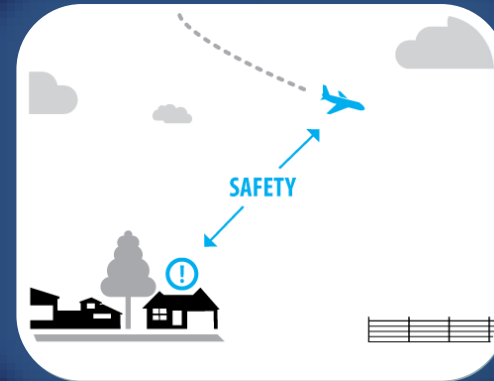
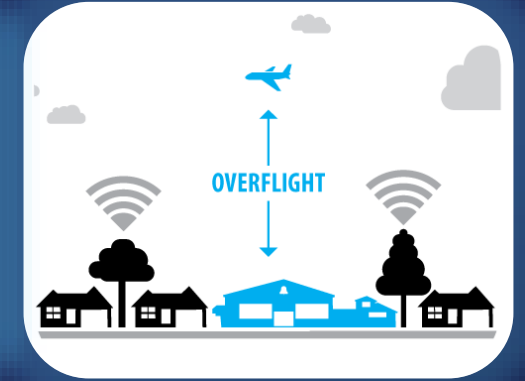
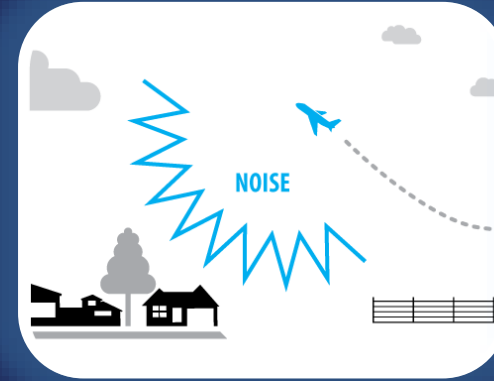
AAM: What's Different?

- New Operations
 - Diverse aircraft designs
 - Low-altitude flights
 - Multiple use cases
- New Locations
 - Existing airports & heliports
 - New vertiports in new places
 - Multi-modal integration



Compatibility Factors

- Objective
 - Provide for safe aircraft movement
 - Preserve public health, safety, & welfare
- Focus Areas
 - Aircraft activity affects land uses
 - Land use affects aircraft operations
- Compatibility Factors
 - Noise, overflight, safety, & airspace



Compatibility Planning Process

- Master Plans
 - Airport facilities
 - Demand forecasts
- Land Use Plans
 - Community vision
 - Land use road map
 - Goals and policies
- Compatibility Zoning
 - Height limits
 - Compatibility criteria



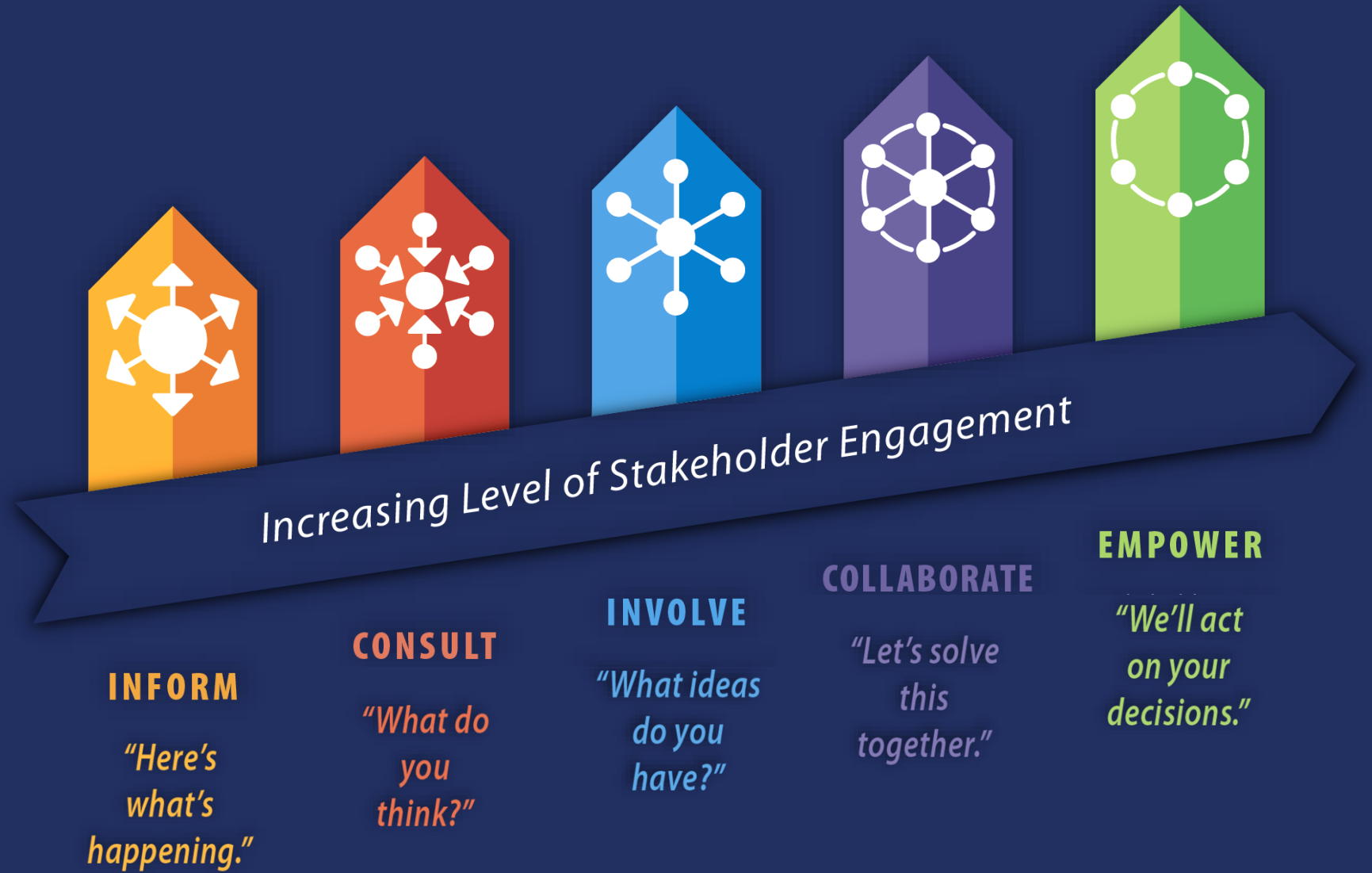
AAM: Who's Involved?

- Traditional Stakeholders
 - Federal Aviation Administration (FAA)
 - State aviation agencies
 - Airport operators
 - Land use planning officials & elected officials
 - Public
- New AAM Stakeholders
 - Original Equipment Manufacturers (OEMs)
 - Vertiport operators (public/private)
 - State, County, and City DOTs
 - Electric Utility Providers



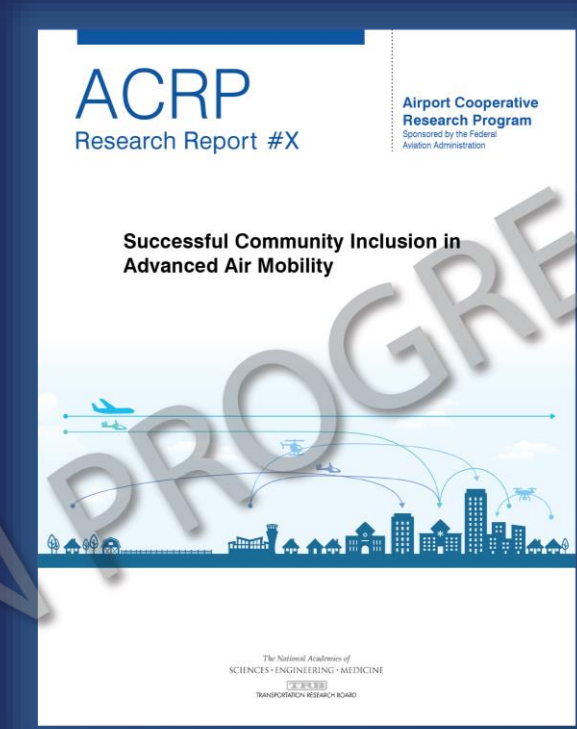
Stakeholder Engagement:

Spectrum of Participation



Relevant Research

- ACRP 11-02/43, *Successful Community Inclusion in AAM*
 - State of the Practice Scan
 - Primer with foundational information
 - Stakeholder engagement toolkits
- Other related ACRP projects
 - Report 206: Airport Compatibility Zoning
 - Report 236: Airport electrification
 - Project 03-50: Urban Air Mobility (airport-centric)



Thank You!

Maranda Thompson

Maranda.Thompson@MeadHunt.com

707 · 284 · 8690

Mead
& Hunt

FUTURE OF
AVIATION

Advancing Aerial Mobility
through Technology, Sustainability,
and On-Demand Flight

Mead
& Hunt