Measuring the Economic Significance of Aviation TRB Workshop , January 2007

Towards Broader Views of Airport Economic Significance:

Intermodal Perspectives

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Economic Significance of Airports Standard Studies Airport Econ Activity Air Service Support Aviation Dependent (visitor spending) Supplier /Respending (multiplier effects)

Economic Significance of Airports

Standard Studies

- Airport Econ Activity
- Air Service Support
- Aviation Dependent (visitor spending)
- Supplier /Respending (multiplier effects)

Newer Studies

- Intl Trade Role
- Mfg Supply Chain Role
- Universities, R&D, Finance, Business Serv.
- Econ Devel Role
- Urban Devel Role

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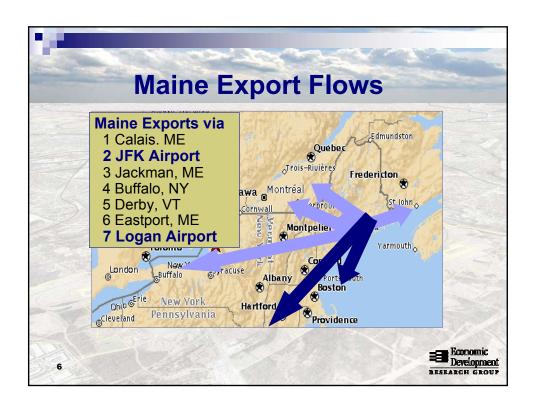
(1) Int. Trade Significance

- Air Freight Accounts for 1% of export tons
- But 34% of export value
- And 55% of overseas export value (up from 42% in 1990)





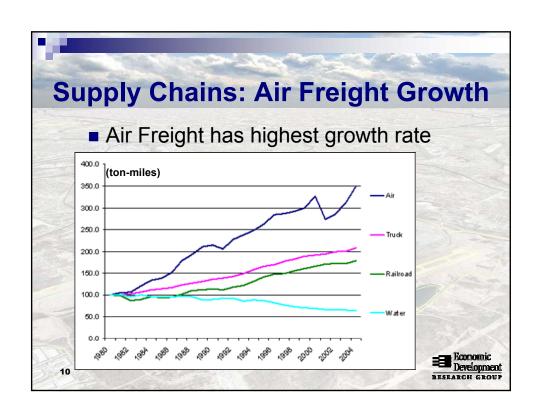








(2) Supply Chain Significance **Changing Trends** Longer distances 20% Higher value/weight Value of 15% Higher time sensitivity 10% Overnight delivery Freight Ton-Miles 5% Small package delivery Population Air dependence on hwy 1992 1993 1994 1995 1996 1997 1998 1999 2000 access E Economic Development RESEARCH GROUP



Products Dependent on Air Cargo

- Electronics & elec. equipment
- Chemicals, plastics, pharma
- Ind. machinery/vehicle parts
- Printing & publishing
- Industrial bldg construction





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Janesville (Rock Co. Airport)

Regional automotive mfg cluster

- Auto Mfg GM, Chrysler
- Parts Mfg –to SC (BMW), Mexico & MI (Ford), ONT & MO (Chrysler)
- Reliance on just-in-time mfgfor air & truck reliability
- Potential loss of jobs to Mexico or Canada







(3) Business Travel Significance

Industries Dependent On Passenger Air Travel

- Engineering & consulting services
- Banking, finance, business services
- Legal services
- Government, Public Administration
- Universities and R&D centers
- Medical Services





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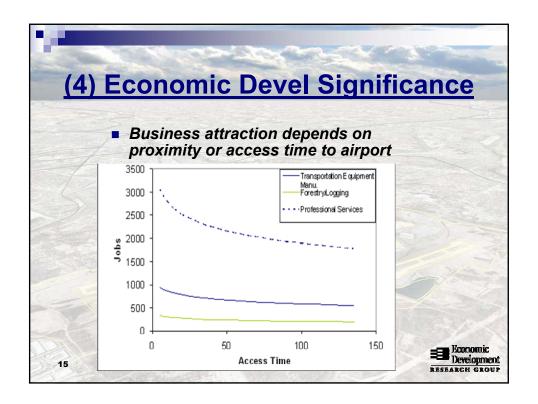
New England Council: Boston Logan

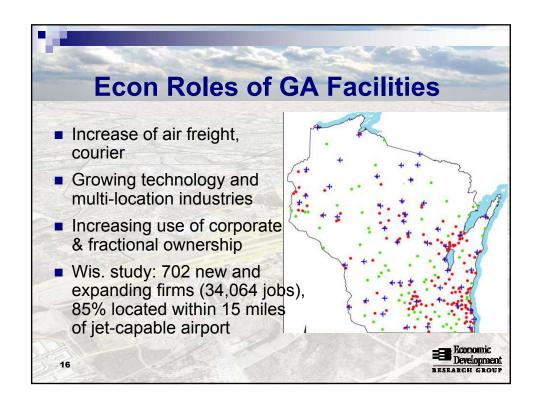
Critical roles for:

- Biotech industry
- Computer R&D
- Hospital Cluster
- Research Universities
- International Visitors & Trade

















Kansai Airport - Rinku Town

- Airport Business Services
- Airport Hotels
- Meeting Facilities
- Shopping
- Amusement Park
- Office, Retail
- Hwy & Rail Links





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Viewing Economic Significance

Different Perspectives

- National: International Trade
- Regional: Economic Development
- Local: Urban Growth
- Industry: Supply Chains, Clusters

Different Tools

- Wisconsin ABC System: State vs. Local Econ Significance
- TREDIS: Multimodal Joint Effects
- Keeping Econ Significance separate from Benefit/Cost



