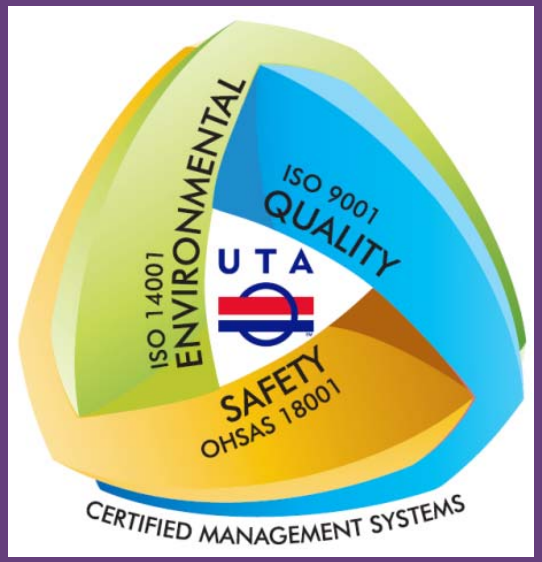
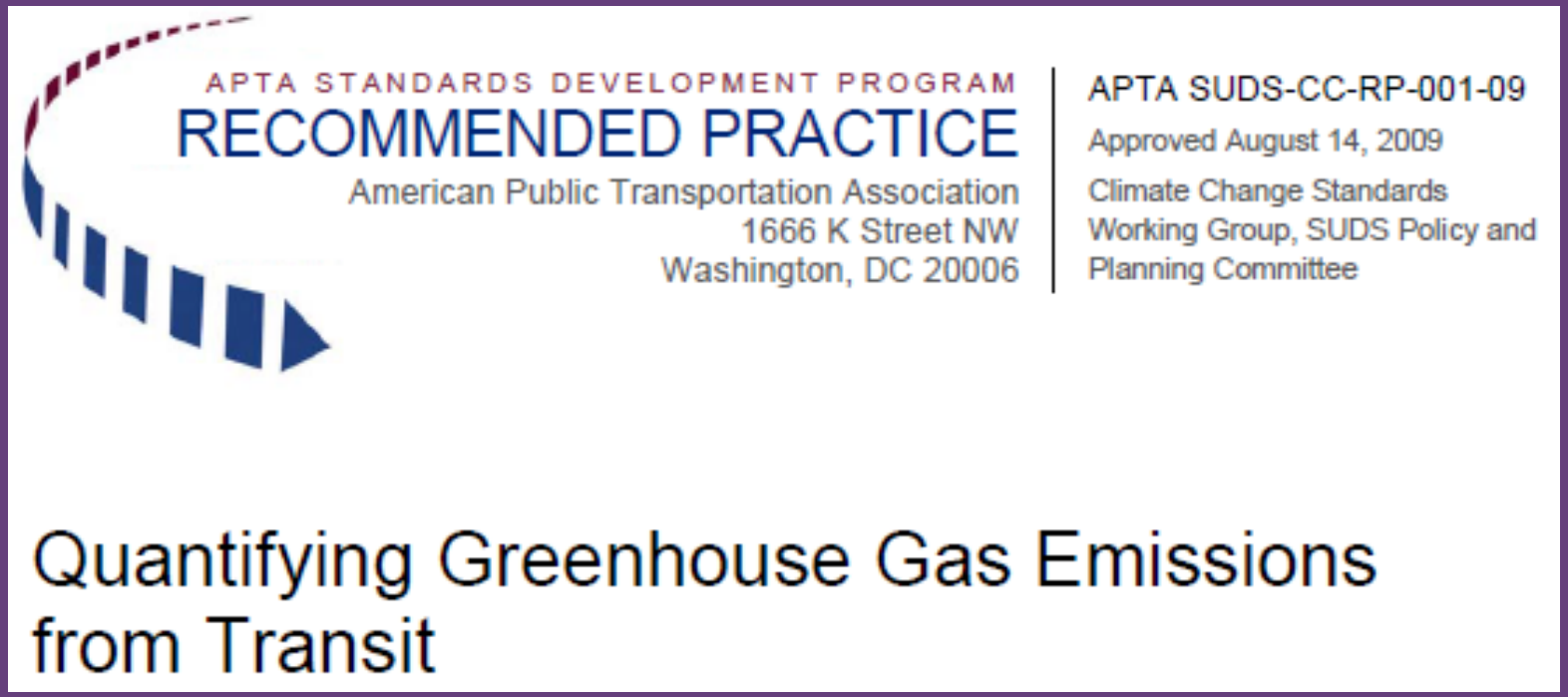
Quantifying Transit's Role in Improving Air Quality

Dan Locke
Environmental Compliance Administrator
Utah Transit Authority
Salt Lake City, UT

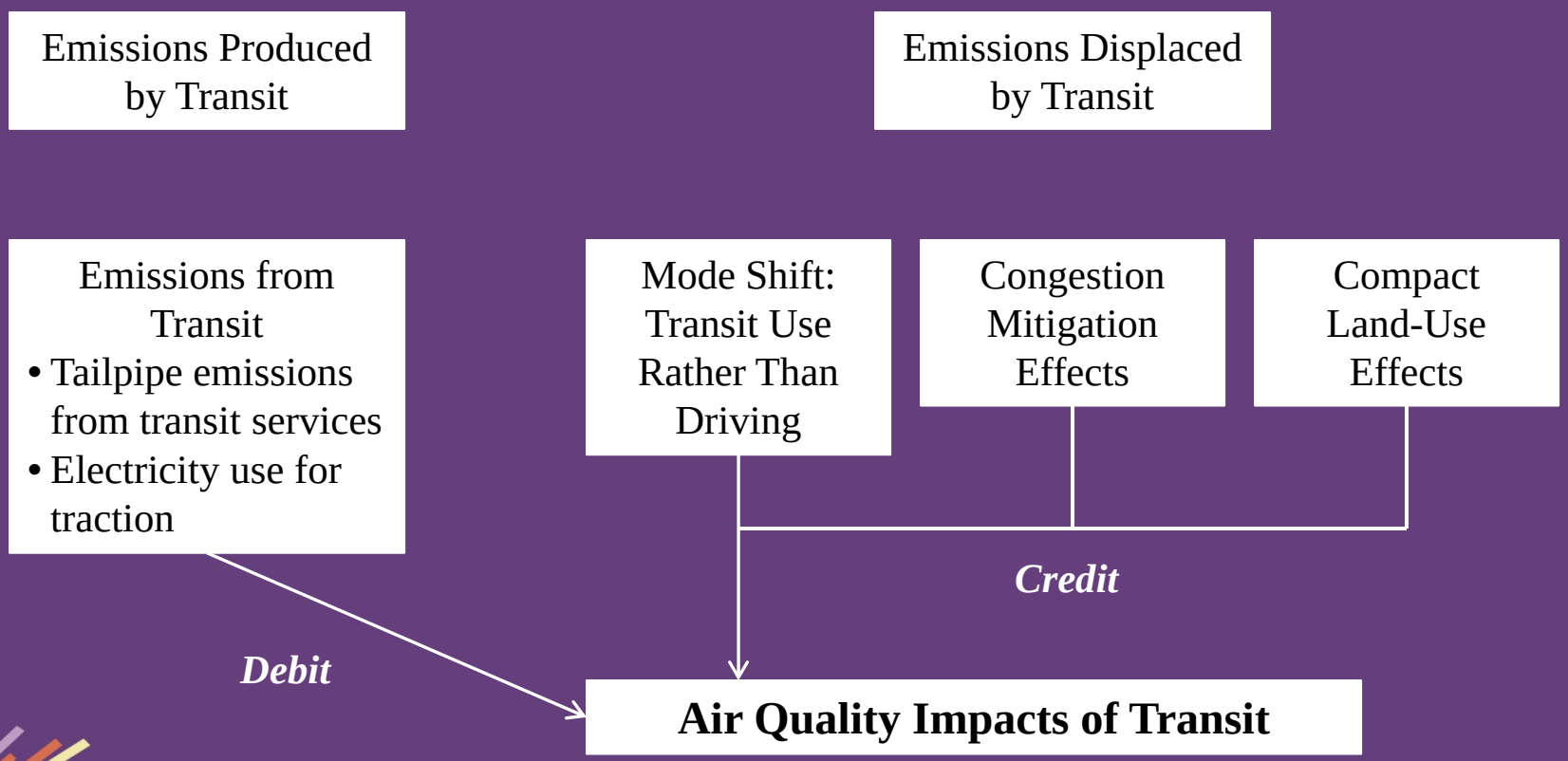


2013 Sustainability and Public Transportation Workshop

Employing APTA's Recommended Practice:



Typology of Transit Emissions Impacts



Mode Shift: Transit Performance Monitoring System

Service Area (x1,000)	Phase I & II (2002)	Phase III (2004)
All Systems	0.44	0.45
Small: <500	0.34	0.39
Med: 500 – 1,250	0.42	0.43
Large: >1,250	0.47	0.50
Large Sub. >1,250	0.44	0.52

Congestion Relief: 2012 Annual Urban Mobility Report by Texas Transportation Institute

Land-Use Multiplier:

- **Reduced trip lengths – higher density development**
- **Facilitate bicycle and pedestrian travel**
- **Trip chaining**
- **Impacts through vehicle ownership**