Industrial Resources Council Tools & Resources A sustainable materials technical support & outreach program 2012 Industrial Materials Conference Indianapolis, IN November 28-29, 2012

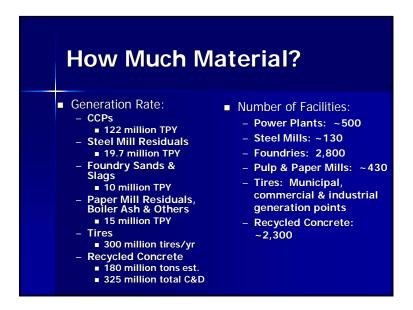






Why was the IRC formed? Material associations were engaging with same people in same forums Similar issues & opportunities Similar markets Create single point of contact for national & state partnerships Coordinate technology transfer & market development efforts Focus on high volume materials







Engineering

- Acceptance of "new" materials tied to technical specifications & performance standards
 - Specifications should be performance-based, not material-based
- No centralized technical resources exists
 - Lots of success stories out there
- DOT leadership important
 - DOT's set construction standards
 - Most pavement miles controlled at county or local level

Economic

- Sustainable economies require efficient material management systems to account for embedded costs
- Materials are typically the highest cost in any construction project
 - Recovered materials can save dollars
- Cost of testing & permitting real economic barrier
 - Unlike virgin materials, industrial materials from a single generator will be uniform
- For smaller quantity generators, commingling and coprocessing will be only viable economic model
 - DOT's with frequent testing requirements make that impossible

Environmental

- Playing field is not level
 - Naturally occurring background levels need to be considered
 - Comparable virgin materials need to be considered
- Markets cross state & local borders
 - Different state standards costly for multi-state end users or marketers
 - Industries need to be involved
- Case by case permitting especially costly
 - Often cost prohibitive for smaller generators
- Compliance costs for end users can be deal breakers

Educational

- Dialogues need to involve generators & agencies
- Educational efforts typically focus on DOT's
 - Most construction isn't DOT controlled
 - Contractors will ultimately determine materials usage in free market
- Tech transfer should focus on markets, not materials









