OAK RIDGE FOREST PRODUCTS
SUPPLYING WOOD FUEL TO ORNL BIOMASS GASIFICATION PLANT
CHRIS KEZIAH
Challenges to BioMass Fuels

- **Biomass Supply**
  - Usage estimated at 6-8 truckloads/day
  - Varying Demand Levels
  - Procurement Area - Supply/Cost procurement limitations
  - Supplier Coordination

- **Planning/Storage**
  - Changing mindset of Tap on/Tap off
  - Limited Fuel Storage
Procurement Area Biomass Users

IP Royal Blue
Hardwoods Only

Huber Spring City
Pine / Hardwood

ORNL Biomass
Gasification Plant

Domtar Kingsport
Hardwood

Bowater
Pine / Hardwood
- JM Huber Spring City Closed by end 2011
- Domtar Kingsport reduced Biomass use by 1/3 effective 2012
- Bowater has not bought biomass fuel on outside market on almost 1 year
Procurement Area

Wood Procurement Area
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Opportunities Ahead

- Utilizing Fuel from within the Reservation
- Finding Additional Fuel Supplies
  - Finding Lower Cost Fuel
    - Switch Grass
    - Green Wood Waste
  - Finding Consistent/Quality Supplies
  - Blending Supplies