DNRP WTD

Loop® Biosolids Program

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Introduction

- King County Biosolids Program
- Biosolids Regulations
- Biosolids Process
- Current State of KC Program
- Challenges/Opportunities
King County Biosolids Program

1970’s:
- Clean Water Act
- Inception of King County program
- Forest Application Begins

1980’s:
- EPA award
- Expansion of Forest Application

1990’s - Present:
- Ag partnership begins
- Composting partnership
Regulations

EPA 40CFR503
- Developed in 1993
- Reviewed in 1996 & 2002
- Self implemented with annual reporting

Washington State RCW 70.95J
Ecology WAC 173-308
- Written in 1998
- Regulated by Ecology with annual reporting and 5 year permit cycle
King County makes biosolids through anaerobic digestion. This process uses bacteria to break down organic matter in the absence of oxygen. The end products are biogas and biosolids.
Why Beneficial Use?

- Reduced need for chemical fertilizers
- Improve plant growth
- Reduce soil erosion and nutrient run-off
- Alleviate soil compaction
- Help soil retain water
- Carbon Sequestration
Current Biosolids Program

- Transportation
- Agriculture
- Forestry
- Outreach
- Research
Biosolids Distribution 1978-2016

Biosolids Distribution
Biosolids Hauling:

2016:

3903 trucks
OR
325 trucks a month
OR
15 trucks a day
Where do we go?
Agriculture Projects

BPI – 90,000 acre partnership
NSF – year round and winter backup
Forestry Projects

DNR – 300 acres per year
Campbell – 1000 acres per year
Owned and Operated by Sawdust Supply

- Class A compost
- Less than 1% King County biosolids production
- Provides 100 yds each year for public outreach and education
Public Outreach and Communication

- Flower and Garden Show
- Touch a Truck
- CHOMP!
Research and Reclamation
What’s Next?

• Find solutions to challenges faced in 2016
• Explore options for expanding market of current product
• Strategic Planning
  • Address challenges
  • Provide options for growth
  • Write a 10 year plan with a 5 year implementation strategy
Questions?

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