A Multistate Water Quality Trading Tool for the Chesapeake Bay

Mindy Selman & Sara Walker

December 16, 2011

NutrientNet/NTT

NutrientNet:

- Registry
- Marketplace
- Calculation Tools (NTT + GIS + policy)

NTT:

- dynamic biophysical model
- APEX, RUSLE2, Century
- Developed through NRCS
- Nutrients, Sediments & C

Multistate Platform

CIG to create a single multistate WQT platform (NutrietnNet/NTT) that will accommodate:

- Interstate trading
- Unique elements of state programs

Benefits

- Align infrastructure
- Facilitate trades
- Standard basis for determining credits
- Integrated registry
- Facilitate updates

Calculation Considerations

- Trading ratios
- Baselines
  - practice vs. performance
  - farm vs. field
- Allowable practices
- Accommodating evaluation uses
- CBWM

= NTT

= NutrientNet Operations

= CBWM

NutrientNet Calculations

Management Info

Spatial Info

NTT

NTT Output (Edge of Farm)

Structural BMPs

Edge of Segment Delivery

Chesapeake Bay Watershed Model

Trading Eligibility

Current Load (EOS)

TMDL Baseline (EOS)

Thank You

mindy.selman@wri.org
sara.walker@wri.org