



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Mining Programs

# **2014 Bond Rate Guidelines for the Calculation of Land Reclamation Bonds on Coal Mining Operations**

MRAB Meeting

January 9, 2014

# 2013 AML Reclamation Grading Costs

- 17 AML Reclamation Projects with Grading
- 3,709,847 Total Cubic Yards
- Average of 3 Lowest Bids was \$.87 per Cubic Yard

# 2011 - 2013 AML Reclamation Grading Costs

- Grading Costs Range from \$.40 - \$6.00 per Cubic Yard
- 3,041,207 Total Cubic Yards at \$.90
- 21 Bids at \$1.00

# 2014 Bond Rate Summary

- Grading (<500 Ft push) \$.90 per Cu Yd
- Grading ( $\geq$ 500 Ft push/haul) \$1.20 per Cu Yd
- Selective Grading \$1,075 per Acre
- Revegetation \$1,800 per Acre

# 2014 Bond Rate Summary (Continued)

- Tree Planting \$.15 per Tree
- Ditch Excavation \$7.00 per Cubic Yd
- Jute Matting \$3.80 per Square Yd
- HV Erosion Control \$3.80 per Square Yd

# 2014 Bond Rate Summary (Continued)

- AASTO No. 1 \$29.00 per Ton
- AASHTO No. 57 \$30.00 per Ton
- R3 Rock Lining \$32.00 per Ton
- R4 Rock Lining \$25.00 per Ton

# 2014 Bond Rate Summary (Continued)

- R5 Rock Lining \$25.00 per Ton
- Geotextile/Filter Fabric \$2.80 per Square Yd
- PVC Lining \$12.00 per Square Yd
- Subsurface Drain \$19.00 per Lineal Ft

# 2014 Bond Rate Summary (Continued)

- Stage 3 Maintenance Bond Non-Cropland  
\$100 per Acre
- Stage 3 Maintenance Bond Pastureland or Hay  
\$500



# 2014 Bond Rate Summary (Continued)

- Stage 3 Maintenance Bond Cropland Row  
Crops \$780 per Acre

# 2014 Bond Rate Effective Date

- Effective Date is April 1, 2014
- Publish in Pa Bulletin During February



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