



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Mining Programs

2018 Bond Rate Guidelines for the Calculation of Land Reclamation Bonds on Coal Mining Operations

MRAB Meeting
January 11, 2018

2017 AML Reclamation Grading Costs

- 7 reclamation projects with 1,262,656 total cubic yards
- Cost per cubic yard ranged from \$0.65 to \$1.40
- 3 low bid averages at \$0.82, \$0.94, and \$0.89 for a weighted average of \$0.88
- Current 2015 – 2017 weighted average at \$0.96 for 500 ft. or less

2017 AML Reclamation Revegetation Costs

- 8 reclamation projects with 171.5 acres revegetation
- Cost per acre of the 3 lowest bids ranged from \$1,396.14 to \$2,505.67.
- Weighted average of 3 lowest bids at \$1,847.90
- 3 year weighted average at \$2008.53

2017 AML Reclamation Mulch, Seed Bed Preparation and Seed Costs

- Mulch cost per acre of 3 lowest bids at \$859.74.
- 3 year weighted average of Mulch cost at \$867.93.
- Seed Bed Prep cost per acre of 3 lowest bids at \$222
- 3 year weighted average of Seed Bed Prep at \$251.27
- Seed cost per acre of 3 lowest bids at \$393.83
- 3 year weighted average of Seed at \$269.69

2015-2017 Bond Rate Data 2018 Projected with Current Data

	Unit	2015 wgt ave	2015 amt	2016 wgt ave	2016 amt	2017 wgt ave	2017 amt	15-17 Weighted	2016	2017	2018
Grading1	Yd	\$0.95	3,047,579	\$1.03	1,800,269	\$0.88	1,262,656	\$0.96	\$0.90	\$0.90	\$0.85
Grading2	Yd	\$3.17	913,610						\$1.50	\$1.55	\$1.55
Select Grading	Acre								\$1,700.00	\$1,700.00	\$1,700.00
Reveg	Acre	\$1,977.18	223.3	\$2,129.84	284.8	\$1,847.90	171.5	\$2,008.53	\$1,900.00	\$1,950.00	\$2,000.00
Trees	each	\$2.41	124,450	\$3.58	39,581	\$2.16	48,600	\$2.57	\$0.75	\$0.75	\$0.75

2016-2017 Bond Rate Data 2018 Projected with Current Data

	2016	2016	2017	2017	2018	2018
Reveg Tot	\$1,900.00	\$1,900.00	\$1,950.00	\$1,950.00	\$2,000.00	\$2,000.00
Mulch	\$850.00	\$850.00	\$870.00	\$870.00	\$870.00	\$870.00
Seed Bed	\$250.00	\$250.00	\$280.00	\$280.00	\$250.00	\$250.00
Seed	\$300.00		\$280.00		\$270.00	
	\$500.00	\$800.00	\$520.00	\$800.00	\$610.00	\$880.00
Pasture		w/seed	Pasture	w/seed	Pasture	w/seed



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