



**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Mining Programs

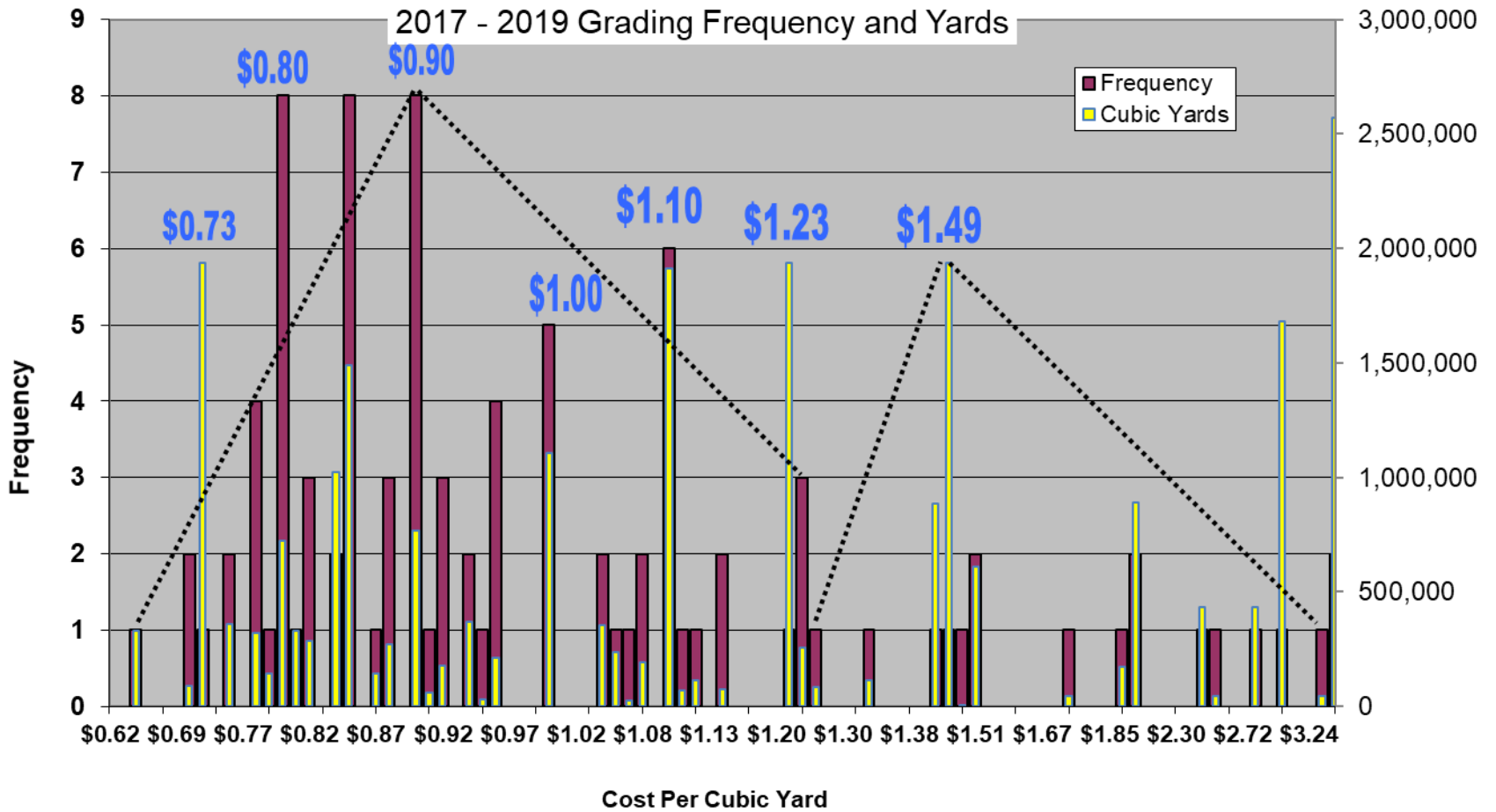
# **2020 Bond Rate Guidelines for the Calculation of Land Reclamation Bonds on Coal Mining Operations**

MRAB Meeting  
October 24, 2019

# 2019 AML Reclamation Grading Costs

- 4 reclamation projects with 2,070,030 total cubic yards
- Cost per cubic yard ranged from \$0.80 to \$2.00
- 3 low bid averages at \$0.88, \$0.93, and \$1.01 for a weighted average of \$0.94
- Current 2017 – 2019 weighted average at \$0.97 for 500 ft. or less

# 2019 AML Reclamation Grading Costs



# 2019 AML Reclamation Revegetation Costs

- 5 reclamation projects with 262.3 acres revegetation
- Cost per acre of the 3 lowest bids ranged from \$1,386.00 to \$2,265.84.
- Weighted average of 3 lowest bids was \$1,851.62.

# 2019 AML Reclamation Mulch, Seed Bed Preparation and Seed Costs

- Mulch cost per acre of 3 lowest bids at \$938.95.
- 3 year weighted average of Mulch cost is \$902.75.
- Seed Bed Prep cost per acre of 3 lowest bids at \$200.79.
- 3 year weighted average of Seed Bed Prep is \$208.15.
- Seed cost per acre of 3 lowest bids at \$272.59.
- 3 year weighted average of Seed is \$305.01.

# 2017-2019 Bond Rate Data 2020 Projected with Current Data

	Unit	2017 wgt ave	2017 amt	2018 wgt ave	2018 amt	2019 wgt ave	2019 amt	17-19 Weighted	2018	2019	2020
Grading1	CY	\$0.88	1,262,656	\$1.09	2,431,698	\$0.88	2,070,030	\$0.97	\$0.85	\$0.90	\$1.00
Grading2	CY								\$1.55	\$1.50	\$1.50
Select Grading	Acre								\$1,700.00	\$1,700.00	\$1,700.00

# 2017-2019 Bond Rate Data 2020 Projected with Current Data

	2018 Pasture	2018 w/Seed	2019 Pasture	2019 w/Seed	2020 Pasture	2020 w/Seed
Reveg Tot	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,850.00	\$1,850.00
Mulch	\$870.00	\$870.00	\$880.00	\$880.00	\$900.00	\$900.00
Seed Bed	\$250.00	\$250.00	\$280.00	\$280.00	\$200.00	\$200.00
Seed	\$270.00		\$290.00		\$300.00	
	\$610.00	\$880.00	\$550.00	\$840.00	\$450.00	\$750.00



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