



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Mining Programs

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

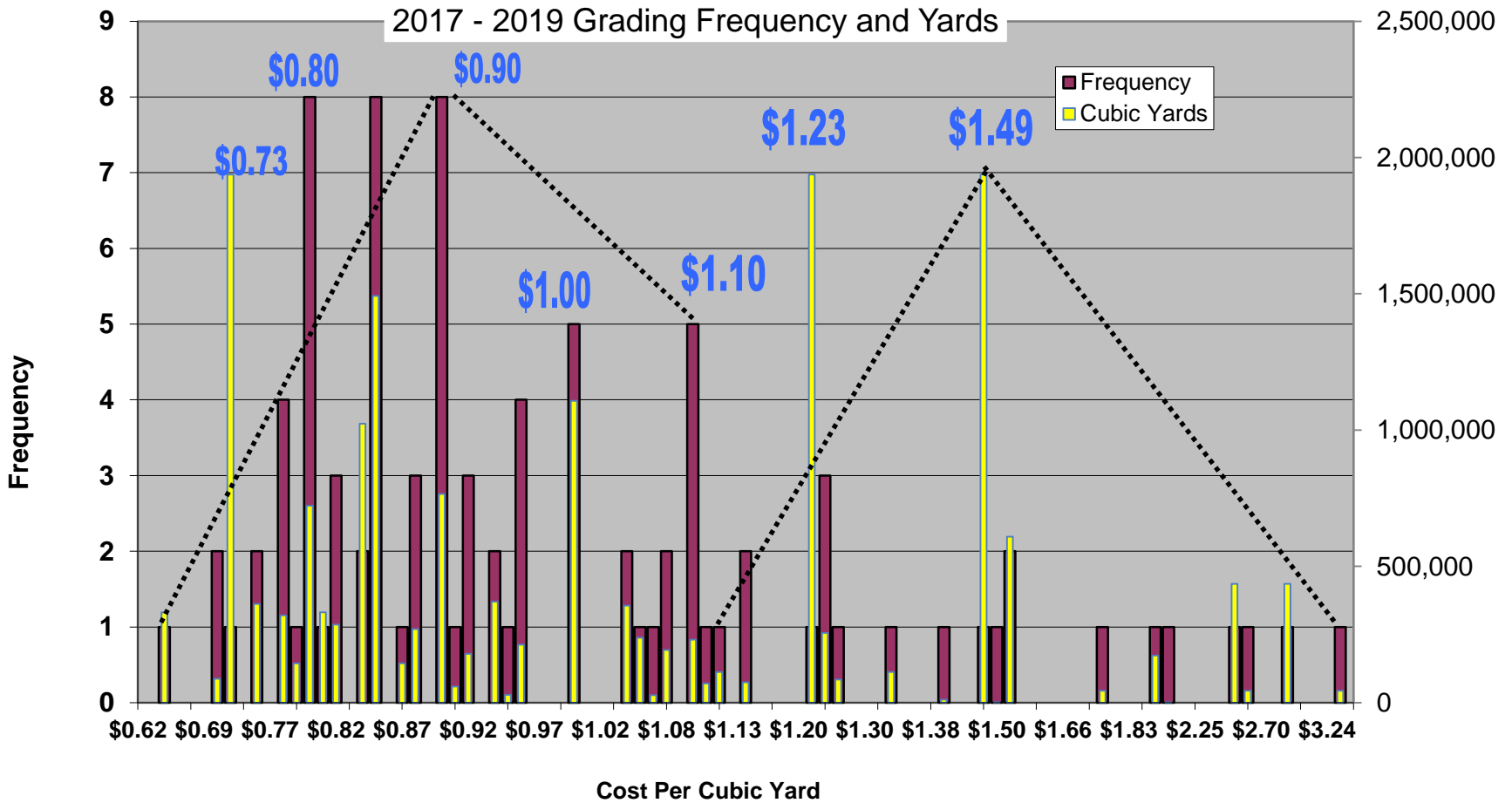
MRAB Meeting

July 18, 2019

2019 AML Reclamation Grading Costs

- 3 reclamation projects with 1,712,030 total cubic yards
- Cost per cubic yard ranged from \$0.80 to \$2.00
- 3 low bid averages at \$0.85, \$.87, and \$1.01 for a weighted average of \$.91
- Current 2017 – 2019 weighted average at \$0.98 for 500 ft. or less

2019 AML Reclamation Grading Costs



2019 AML Reclamation Revegetation Costs

- 4 reclamation projects with 222.3 acres revegetation
- Cost per acre of the 3 lowest bids ranged from \$1,386 to \$2,094.
- Weighted average of 3 lowest bids was \$1,777

2019 AML Reclamation Mulch, Seed Bed Preparation and Seed Costs

- Mulch cost per acre of 3 lowest bids was \$902.
- 3 year weighted average of Mulch cost is \$880.
- Seed Bed Prep cost per acre of 3 lowest bids at \$206
- 3 year weighted average of Seed Bed Prep is \$220
- Seed cost per acre of 3 lowest bids at \$292
- 3 year weighted average of Seed is \$322

2017-2019 Bond Rate Data 2020 Projected with Current Data

		2017 wgt ave	2017 amt	2018 wgt ave	2018 amt	2019 wgt ave	2019 amt	17-19 Weighted	2018	2019	2020
Grading1	Yd	\$0.88	1,262,656	\$1.09	2,431,698	\$0.91	1,712,030	\$0.98	\$0.85	\$0.90	\$1.00
Grading2	Yd								\$1.55	\$1.50	\$1.50
Select Grading	Acre								\$1,700.00	\$1,700.00	\$1,700.00
Reveg	Acre	\$1,847.90	171.5	\$2,004.86	45.7	\$1,777.09	222.3	\$1,828.40	\$2,000.00	\$2,000.00	\$1,800.00

2017-2019 Bond Rate Data 2020 Projected with Current Data

	2018	2018	2019	2019	2020	2020
Reveg Tot	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,800.00	\$1,800.00
Mulch	\$870.00	\$870.00	\$880.00	\$880.00	\$880.00	\$880.00
Seed Bed	\$250.00	\$250.00	\$280.00	\$280.00	\$220.00	\$220.00
Seed	\$270.00		\$290.00		\$320.00	
	\$610.00	\$880.00	\$550.00	\$840.00	\$380.00	\$700.00
Pasture		w/seed	Pasture	w/seed	Pasture	w/seed



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