

Date: Thursday, April 20, 2023

Time: 2:00 – 4:30 P.M.

Place: Room 253, NM Bureau of Geology (with Zoom option available)

NMGS Executive Committee Meeting Minutes – Q2 2023

Held in person and online via Zoom video conference

Reported by Bonnie Frey

Attending

Bonnie Frey, secretary - in person

Kevin Hobbs, vice president – in person

Johanna Blake, treasurer – in person

Scott Baldrige, immediate past president – in person

Brian Hampton, president – in person

David Lemke, publications committee chair – in person

Lewis Land – in person

Kate Zeigler - online

Frank Ramos – in person, guest

OPEN MEETING

1. Call to order (Brian Hampton) at 2:05 p.m.

- A quorum was present

2. Last-minute additions to the agenda (to be discussed at the end of the open meeting)

3. Webmaster's report (Adam Read) – Adam not present; no report sent

4. Publications Committee report (David Lemke)

- Bookstore hasn't recovered since COVID; total sales for the quarter about \$2400.
- Presented a table that shows how low the guidebook road log sales are.
 - Kevin suggested we only buy 100 of the road log books each year.
 - National parks has a central buyer that David could reach out to.
 - Bonnie suggested asking the conference leaders to suggest bookstores / museums / etc. that he could contact.
 - May go to digital.
 - Voted to recommend to field conference organizers to only print 100 of the road log books. Kevin made the motion, Bonnie seconded. All in favor.
- Guidebook discussion
 - David said the bookstore has a lot of backlog stored in their shed.
 - David has made some contacts who may be interested in producing the guidebooks

- when Ann steps back.
 - Discussed that the future FFC could print the road log only and have the papers online only.
 - Permian book making progress.
 - Gave DOI report and stated we are getting our money's worth.
5. Scholarships Report (review report from Susan Lucas Kamat)
- Susan Lucas Kamat could not make the meeting. Kevin gave report.
 - Many applications were very poor. Committee agreed that if applicants don't propose science or a research question then they don't get a scholarship. They do get response. Some applications were very good. Application process needs to be competitive.
6. Fall field Conferences
- a. 2023 - Carlsbad, update (Lewis Land)
 - Road logs are complete. Layout and copy editing is done. Guidebook is nearly done and has gone to layout and copy editing.
 - Dedication determined.
 - Budget is submitted. Still working on transportation. May request that universities bring vans.
 - Deadline to go to the printers is end of July.
 - Bunkhouses. Rooms for couples. Option to stay in hotel, but won't recommend any. RV option (only two electric hookups).
 - Looking for \$500 per person.
 - Zeigler Consulting covering beer kegs.
 - Several pre-trips – Cornudas (Tuesday), Guadalupe Peak hike (Tuesday), Carlsbad Caverns
 - Accepting donations and using logos in guidebook? Brian will check into if there is a conflict as a 501(C)(3) organization.
 - b. 2024 - Albuquerque and vicinity
 - Susan resigned from the FFC leadership by email to the EC during the EC meeting, citing personal reasons.
 - Dan and Sean offered to take the lead on the road log
 - Bonnie suggested a group of 4-5 editors to help with science editing
 - Discussed having editors from local orgs like UNM and Natural History Museum.
 - c. 2025 - Eastern San Juan Basin (Kevin Hobbs)
 - No new news.
7. 2023 NMGS Spring Meeting
- EC is available to help on any last-minute needs going into Friday
 - Friday morning introduction (start at 8 a.m.; Brian Hampton, Susan Lucas Kamat, Frank Ramos, Nelia Dunbar or Mike Timmons about Earth Science Award; Johanna Blake will introduce the meeting and the keynote speaker.)
 - Attendance is down but abstracts are up
 - COVID requirements – Proof of vaccinations will be required.
 - Post meeting to-do list for the EC (“thank-you” notes; payment; 2024 reservation, other?)

8. Visit from NMGS Foundation Director (Frank Ramos)

- Overview of the Foundation
- Tax returns/accounting moving forward (for NMGS and Foundation)
- Tax accountants, Beckham and Penner, not responding
- The EC and Foundation are putting out feelers for a new accountant. Brian is starting an email chain to find out who could be recommended.
- Frank shows what he will share during the membership meeting tomorrow, which includes an educational / historical slideshow about what the Foundation is:
 - Revenue - Gas Well Revenues (\$90,000 in 2011; low in 2016 and 2019 of about \$28,000; 2022 ~ \$75,000);
 - 2016 – the Foundation balanced the budget out of extreme need (\$54,000). Foundation does not tell the EC how to spend the money; EC decides how to spend the money.
 - Budget – since 2016, has been \$60-\$70k.
 - Investment account – average \$1.1 million from 2014 – 2019; last three years, about \$1.6 million
 - Outreach – 2017 to 2022, annual total increased from \$17.5k to \$23.8k

9. Discussion of any additions-to-agenda

- Next spring meetings dates. *The following were provided by Kevin on April 24, 2023:*
 - Friday, 19 April 2024, and Friday, 25 April 2025
 - NMGS has the Macey Center Auditorium, upper and lower lobbies, Galena Room, and Copper Room reserved from 6:00 A.M. to 6:00 P.M. for these two days.
- Date to decide honorary member next meeting Q3 during closed meeting; we have the list from Connie as of today
- COVID policy – next discussion would be during Q3 with Lewis.

Adjourn the open meeting at 4:47 pm.

Motions, votes, decisions, solicitations from outside.

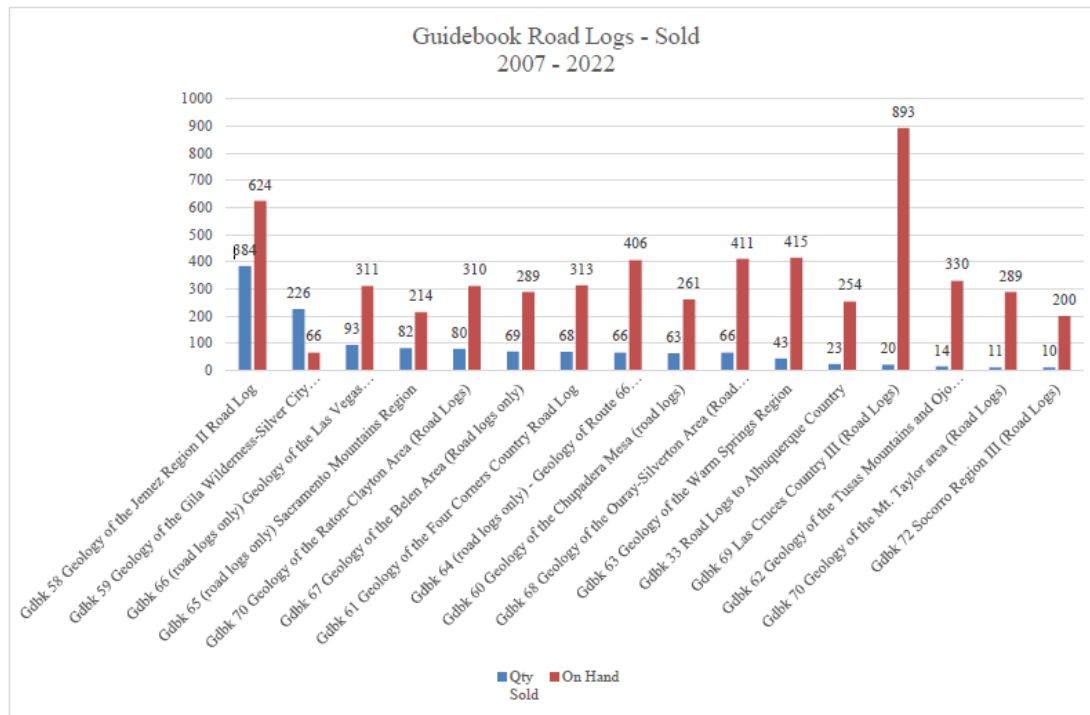
Nothing to report.

Attachment 1

NMGS Publications Report
2nd Quarter 2023 NMGS EC Meeting
David Lemke
Publications Committee Chair
April 20, 2023

- **2023 Publication Sales**
 - Sales through March 2023 are attached as a table and spreadsheet. Total sales for 2023 is \$2408.54. Covid really did a number on sales in the bookstore.
 - See attached historical road log sales chart.
 - **Greg Mack – Permian of the Southwest**
 - The first pass at the layout of Part 1 – Part 3 is complete. I have submitted my suggestions to Greg and Brian for modifications. They are reviewing and the next steps will be discussed this week.
 - There needs to be a board discussion about the cost and volume of printing. We can likely use the 2023 guidebook costs as an analog.
 - **Crossref.org and DOIs implementation for NMGS publications.**
 - Crossref.org monthly report attached
 - **Publish road logs and mini-papers on the NMGS website**
 - Adam and I have been adding road logs to the website. Completed 2006 – 1985, 1980 & 1977. There are several years in the early 1980s and 1970s that the road logs haven't been scanned. I will get copies from the bookstore the next time I'm in Socorro and scan them.
 - **Consolidate digital data for Fall Field Conference guidebooks**
 - I will get the 2022 guidebooks added to the GIC archive while I'm in Socorro this week.
 - **Publication Permissions**
 - No permissions processed in the past 3 months.
-

Attachment 2

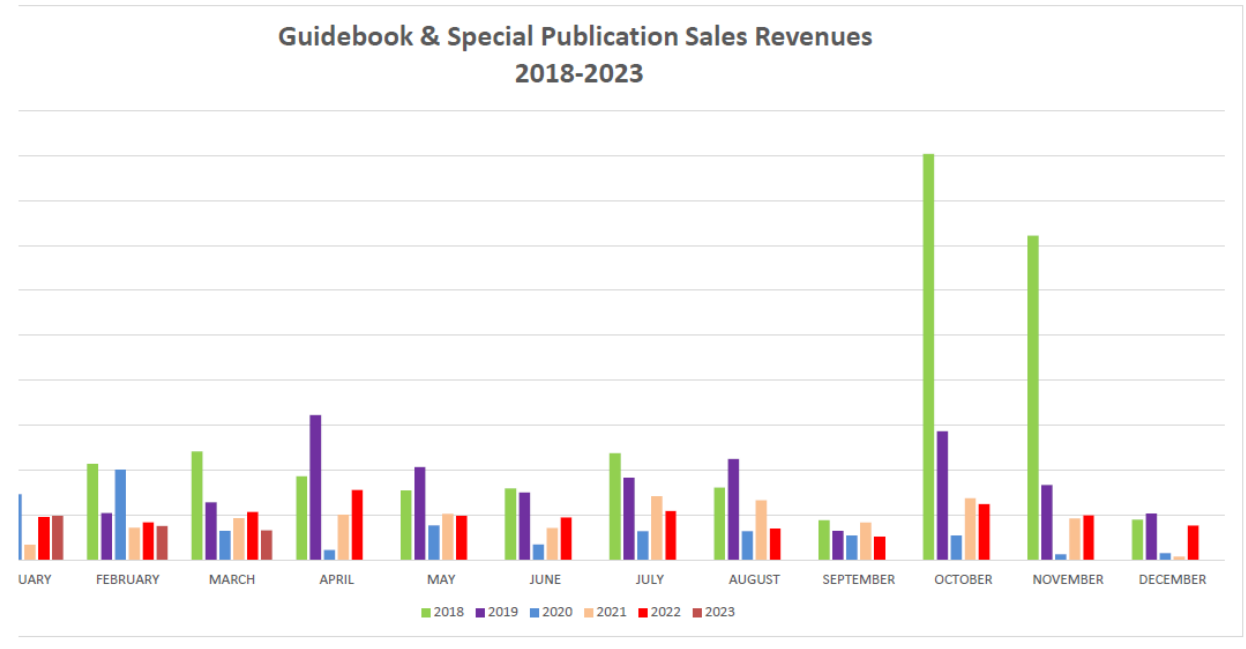


Attachment 3

NMGS Publications Sales Revenues

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
\$3,988.20	\$2,379.22	\$2,367.07	\$1,771.00	\$2,307.00	\$1,579.26	\$1,882.50	\$3,444.55	\$1,243.01	\$ 1,466.03	\$ 340.51	\$ 959.58	\$ 986.77
\$2,010.19	\$2,566.62	\$1,633.94	\$1,690.00	\$1,105.00	\$1,354.00	\$679.76	\$2,140.53	\$1,048.07	\$ 2,012.55	\$ 717.55	\$ 839.82	\$ 761.85
\$2,088.63	\$2,551.51	\$2,201.45	\$2,520.00	\$1,901.00	\$1,904.38	\$2,389.99	\$2,417.45	\$1,285.09	\$ 651.24	\$ 933.67	\$1,071.59	\$ 659.92
\$1,806.45	\$2,010.97	\$1,445.16	\$3,046.00	\$1,644.76	\$2,248.35	\$970.65	\$1,864.12	\$3,225.13	\$ 224.00	\$1,005.58	\$1,561.24	
\$2,252.63	\$2,812.58	\$1,122.27	\$1,175.31	\$1,532.84	\$2,006.41	\$2,471.03	\$1,550.61	\$2,065.91	\$ 775.18	\$1,028.36	\$ 987.54	
\$2,643.89	\$5,115.82	\$1,589.70	\$2,337.24	\$3,130.00	\$2,267.85	\$1,662.23	\$1,595.42	\$1,506.78	\$ 348.13	\$ 711.31	\$ 953.75	
\$1,786.20	\$479.63	\$1,367.14	\$760.66	\$791.00	\$941.71	\$713.71	\$2,381.84	\$1,832.71	\$ 641.88	\$1,422.22	\$1,093.36	
\$2,936.96	\$1,508.33	\$1,941.97	\$1,462.00	\$1,765.00	\$1,226.29	\$2,146.36	\$1,613.12	\$2,247.25	\$ 641.88	\$1,329.06	\$ 701.68	
\$1,721.58	\$1,459.50	\$1,338.45	\$3,452.83	\$1,671.00	\$1,867.03	\$1,706.84	\$884.90	\$644.80	\$ 549.38	\$ 836.54	\$ 522.28	
\$2,530.60	\$2,529.64	\$2,171.25	\$1,542.98	\$2,568.00	\$2,940.90	\$3,242.30	\$9,036.58	\$2,868.17	\$ 549.39	\$1,374.29	\$1,244.34	
\$2,551.34	\$2,797.70	\$1,954.75	\$2,640.57	\$2,237.00	\$1,748.05	\$2,996.02	\$7,215.53	\$1,672.72	\$ 132.98	\$ 927.65	\$ 996.49	
\$1,642.75	\$1,303.96	\$947.50	\$293.00	\$1,017.26	\$486.12	\$1,293.47	\$899.57	\$1,038.95	\$ 156.00	\$ 78.00	\$ 773.27	
\$27,959.42	\$27,515.48	\$20,080.65	\$22,691.59	\$21,669.86	\$20,570.35	\$22,154.86	\$35,044.22	\$20,678.59	\$8,148.64	\$10,704.74	\$11,704.94	\$2,408.54

Attachment 4



Attachment 5

Resolution Report for prefix 10.56577 from Apr 4, 2023

From: reports@crossref.org

To: adam.read@nmt.edu; diemke@sbcglobal.net

Date: Sunday, April 9, 2023 at 06:13 AM MDT

Report for Publisher: New Mexico Geological Society
Resolutions for last 12 months.

New to this report? Start here: [learn what a resolution is and how it works](#)

Your failed resolutions report for the month

This section of the report provides a list of DOI resolution attempts that failed (i.e. resolved to a Handle error page). This list is presented as a .csv file attached to the report email and contains

Your failed DOI resolutions for this month can be viewed in [csv format](#).

Resolutions by month

This section of the report provides the total number of resolutions per month for the past 12 months, by prefix (count) and overall (all members).

Months	2023-03	2023-02	2023-01	2022-12	2022-11	2022-10	2022-09	2022-08	2022-07	2022-06
Resolution Attempts	1,511	5,947	4,723	5,048	8,058	10,455	11,586	4,455	4	na
Resolution Successes	1,500	5,937	4,559	4,916	8,017	10,421	11,454	4,425	4	na
Total Attempts for all members	1,199,612,047	1,043,798,272	1,182,258,354	980,328,870	974,664,607	1,202,446,930	929,728,369	866,214,553	826,344,000	822,942,6

This month's popular DOIs

Below are the top 10 successfully resolved DOIs for this month. This list represents the most popular DOIs, as measured by the number of times each DOI

Top 10 DOIs	Successful
10.56577/FFC-85.287	15
10.56577/FFC-54.231	15
10.56577/SM-2012.197	13
10.56577/FFC-72.365	12
10.56577/FFC-63.227	12
10.56577/SM-2007.922	7
10.56577/FFC-57.211	7
10.56577/FFC-54.369	7
10.56577/FFC-85.227	6
10.56577/FFC-84	6

Resolutions by the numbers

This section of the report provides the resolution counts for the report prefix.

Resolutions attempts	1,511
Resolved at Handle	1,500
Handle Failures	11
Resolved at local link server	0
Unique DOIs attempted	1,048
Unique DOIs resolved at handle	1,037
Unique DOIs that failed at handle	11
Unique DOIs resolved at local link server	0

Key terms defined from this section

Resolution attempts is the same as total "resolutions" above.

Resolved at handle is the number of resolutions that successfully looked up at [doi.org](#).

Handle failures is the number of resolutions that failed to look up at [doi.org](#), either due to a technical problem or because the DOIs did not exist.

Resolved at local link server counts resolutions that were looked up at local link servers.

Successful resolution counts by publication title or type The number of total DOI resolutions per title or type	
Publication Title	Total Res
A History of the Geology Program at New Mexico State University: 1890 to 2015	1
Albuquerque Country	14
Albuquerque country II	23
Albuquerque Geology	17
Archaeology and history of Santa Fe Country	1
Ash-flow tuffs: Their origin, geologic relations and identification and zones and zonal variations in welded ash flows	1
Black Mesa Basin, northeastern Arizona	16
Carlsbad Region (New Mexico and West Texas)	28
Caves and karst of southeastern New Mexico	23
Cenozoic volcanism in southwestern New Mexico	1
Cretaceous and Laramide Tectonic Evolution of Southwestern New Mexico	2
Defiance-Zuni-Mt. Taylor region, Arizona and New Mexico	14
East-Central New Mexico	14
Environmental geology and hydrology in New Mexico	1
Field guide to selected cauldrons and mining districts of the Datil-Mogollon volcanic field, New Mexico	1
Geology of Llano Estacado	15
Geology of Route 66 Region: Flagstaff to Grants	16
Geology of the Chama Basin	25
Geology of the Chupadera Mesa	9
Geology of the Four Corners Country	18
Geology of the Gila Wilderness-Silver City area	7
Geology of the Jemez Region II	15
Geology of the Mount Taylor area	13
Geology of the Mount Taylor area	2
Geology of the Raton-Clayton Area	11
Geology of the Sacramento Mountains Region	56
Geology of the Santa Fe Region	15
Geology of the Sierra Blanca, Sacramento, and Capitan Ranges, New Mexico	8
Geology of the Taos Region	18
Geology of the Warm Springs Region	15
Geology of the Zuni Plateau	30
Geology of White Sands	9
Ghost Ranch	31
Guidebook 66 - Geology of the Las Vegas Area	9
Guidebook 67 - Geology of the Belen Area	4
Land of Cochise (Southeastern Arizona)	43
Las Cruces Country	20
Las Cruces Country II	20
Las Cruces Country III	15
Mesozoic Geology and Paleontology of the Four Corners Area	35
Mogollon Rim Region, East-Central Arizona	10
Mogollon Slope, west-central New Mexico and east-central Arizona	19
Monument Valley (Arizona, Utah and New Mexico)	9
New Mexico Geological Society, 2004 Annual Spring Meeting, Proceedings Volume	17
New Mexico Geological Society, 2007 Annual Spring Meeting, Proceedings Volume	18
New Mexico Geological Society, 2008 Annual Spring Meeting, Proceedings Volume	14
New Mexico Geological Society, 2009 Annual Spring Meeting, Proceedings Volume, Theme: "Rocks of New Mexico and Adjacent States"	5
New Mexico Geological Society, 2010 Annual Spring Meeting, Proceedings Volume, Theme: "Sacramento Mountains"	3
New Mexico Geological Society, 2011 Annual Spring Meeting, Proceedings Volume, Theme: "Manifestations of Mantle-to-surface Connections in the Southwest"	8
New Mexico Geological Society, 2013 Annual Spring Meeting, Proceedings Volume, Theme: "Hydrology and History of the Rio Grande"	12

New Mexico Geological Society, 2014 Annual Spring Meeting, Proceedings Volume, Theme: "Synergy between Academia and the Fossil Fuel Industry in New Mexico"	11
New Mexico Geological Society, 2016 Annual Spring Meeting, Proceedings Volume, Theme: "Geohazards in New Mexico and Surrounding Areas"	21
New Mexico Geological Society, 2017 Annual Spring Meeting, Proceedings Volume, Theme: "Uranium in New Mexico: the Resource and the Legacy"	8
New Mexico Geological Society, 2018 Annual Spring Meeting, Proceedings Volume, Theme: "Environmental Geology and Hydrology"	86
New Mexico Geological Society, 2019 Annual Spring Meeting, Proceedings Volume, Theme: "Recent Advances in Geophysical Research in New Mexico"	75
New Mexico Geological Society, 2021 Annual Spring Meeting, Proceedings Volume, Theme: "Our Common Future: Reliability, Robustness, and Resiliency for Effective Risk Management"	9
New Mexico Geological Society, 2022 Annual Spring Meeting, Proceedings Volume, Theme: "Karst in New Mexico in recognition of 2022 being the International Year of Caves and Karst"	43
Northeastern New Mexico	12
Proceedings Volume: "Evaluating How Continental Sedimentary Basins Fill: Development and Preservation of Sedimentary Successions", New Mexico Geological Society, 2012 Annual Spring Meeting	24
Proceedings Volume: "Paleoclimate: Is the past a key to the future", New Mexico Geological Society, 2015 Annual Spring Meeting	6
Rio Chama Country	4
Rio Grande rift: Northern New Mexico	9
San Juan Basin III, northwestern New Mexico	18
San Juan Basin IV	24
San Juan-San Miguel-La Plata Region	7
San Luis Basin (Colorado)	21
Santa Fe country	47
Santa Rosa, Tucumcari Region	8
Socorro region	4
Socorro Region II	21
Socorro Region III	31
South-central New Mexico	2
Southeastern Colorado Plateau	19
Southeastern New Mexico	6
Southeastern Sangre de Cristo Mountains, New Mexico	14
Southwest Passage: A trip through the Phanerozoic	6
Southwestern New Mexico II	9
Southwestern San Juan Mountains, Colorado	5
Subsurface geology of east-central New Mexico, 1972	1
Taos-Raton-Spanish Peaks Country	13
Tectonic development of the southern Sangre de Cristo Mountains, New Mexico	13
Tectonics and mineral resources of southwestern North America	1
The Border Region - Chihuahua and the United States	13
The geology of New Mexico	5
The Geology of the Belen Area	23
The Geology of the Ouray-Silverton Area	22
The Jemez Mountains region	18
The north and east sides of the San Juan Basin, New Mexico and Colorado	20
The Ruidoso Country	12
The south and west sides of the San Juan Basin, New Mexico and Arizona	14
Trans-Pecos Region	9
Truth or Consequences Region	16
Tyrone-Big Hatchet Mountain-Florida Mountains Region	9
Vermejo Park	3
West-central New Mexico	2
Western Slope (Western Colorado)	25

Key terms defined from the failed resolutions report

Unique DOIs attempted is the number of unique DOIs represented in the total "resolutions attempted" from above.

Unique DOIs resolved at handle is the number of unique DOIs represented in the "resolved at handle" count from above.

Unique DOIs that failed at handle is the number of unique DOIs represented in the "handle failures" count from above.

Unique DOIs resolved at local link server is the number of unique DOIs represented in the "resolved at local link server" count from above.

The attached file, if present, contains all of the DOIs that failed to resolve followed by the count indicating the number of times that DOI was attempted.

"na" - means that data is not available for that month and type.

Resolution failure rate

The overall resolution failure rate (the percentage of DOI resolution attempts that failed) for all publishers is 3% and your failure rate is 0%. If your failure rate is significantly above zero or the cause.

[Frequently asked questions/FAQs](#) about this resolution report.

If you have problems with or questions about this report, please contact support@crossref.org.

Attachment 6

NMGS Scholarship Committee Report

Susan A Lucas Kamat

April 20, 2023

2023 Scholarship Budget:

The (draft) 2023 Scholarship Budget (updated April 19, 2022) is attached. The budget is based on funding from the NMGS Foundation of \$50,000. The Foundation has not finalized their 2023 NMGS contribution. The amount of Spring Meeting donations is unknown; the amount will be updated when the Spring Meeting Co-chairs complete their accounting.

The 2023 Pipkin Outstanding Senior, Pipkin Book Awards, and Grants-In-Aid and Research Award amounts are under budget. Unspent monies will be used for FFC Carlsbad scholarships or can be used to reduce the Foundation reimbursement request.

The only unknown is the FCC Carlsbad scholarship costs. Once the registration/boarding amount is set, we can update the number of FCC Carlsbad student scholarship/flaggers and update with appropriate costs. We also have a new teacher/educator FCC scholarship being funded this year. Currently we have 21 students FFC scholarships (including flaggers) and 1 educator.

NMGS Scholarship Membership for 2022: Susan Lucas Kamat (Chair), Gina Rone, Kevin Hobbs, and Jacob Thacker.

2023 Undergraduate Scholarships

The final 2023 Undergraduate Scholarships awardees are attached.

- Lucille H. Pipkin Outstanding Senior Award ENMU did not have any eligible students. \$ 3,000
- Outstanding Senior Award WNMU did not respond \$ 0
- Lucille H. Pipkin Book Scholarship WNMU did not respond \$ 3,650

2023 Grants-in-Aid and Research Award

The final 2023 Grants-In-Aid and Research Awards are attached.

- Frank E. Kottlowsji Research Award \$ 5,000
- James and Susan Cearley Graduate Grants-In-Aid \$ 7,500
- Cearley Geochronolgy Awards \$ 5,000
- Graduate Grants-In-Aid \$11,584
- Graduate Mentorship \$ 3,611
- Lucille H. Pipkin Undergraduate Research Awards \$ 2,750

2023 Spring Meeting costs

The final 2023 Spring Meeting costs are attached.

- Spring Meeting Registrations (66 students) \$ 3,300
- Spring Meeting Student Memberships (66 students) \$ 1,650

Future Actions:

- Set up the Wilma Cerruti Lucas Educator FFC Scholarship. Paperwork in process with NMGS Foundation. We will need to get an application portal set-up by NMGS Webmaster Adam Read. We also will work with Cynthia Connolly at NMBGMR to advertise the scholarship to teachers.
- Update FFC Carlsbad numbers and amounts.

Attachment 7

NMGS 2023 Scholarship Budget

Created by Susan Lucas Kamat September 27, 2022. Updated April 19, 2023.

Funds available for scholarships

Funding, CY2023 NMGS Foundation	\$	50,000.00	Previous 5 years have been \$42,000. Requested 20% increase.
Funding, NMGS EC approval additional funds	\$	-	
Donation, Cearley Grants-In-Aid (2023)	\$	7,500.00	Received Feb 2023.
Donation, Cearley Geochronology (2023)	\$	5,000.00	Received Feb 2023.
Donation, Cearley Geochronology Roll-over	\$	-	No roll-over in 2023.
Donation, Cearley FFC Scholarships	\$	2,500.00	Received Feb 2023.
Donation, LAGS FFC Scholarships	\$	2,400.00	projected, amount TBD
Donations, general membership spring scholarships	\$	-	TBD
Donations, general membership FFC scholarships	\$	1,500.00	projected
Total money projected: \$ 68,900.00			
Total money received to date: \$ 15,000.00			

Non-Competitive Awards Undergraduate Description	CY2023 PROPOSED			CY2023 ACTUAL		Guidelines
	Qty	Amount	Total	Qty	Total	
Lucille H. Pipkin Outstanding Senior Scholarship	6	\$ 600	\$ 3,600	5	\$ 3,000	ENMU, NMHU, NMT, NMSU, NTU, UNM. 1 outstanding senior per school. Student selected by school. No ENMU student was eligible in 2023.
Lucille H. Pipkin Book Scholarship, Universities	7	\$ 375	\$ 2,625	6	\$ 2,225	ENMU, NMHU, NMT, NMSU, NTU, UNM, WNMU. Each school allocated \$375 for up to 3 students; \$175 maximum per student. Student and amount selected by school. No response from WNMU for 2023.
Lucille H. Pipkin Book Scholarship, Community Colleges	7	\$ 225	\$ 1,575	7	\$ 1,425	CNM, DACC, Mesalands, NMSU-Grants, San Juan, SIPI, UNM-Taos. Each school allocated \$225 for up to 3 students; \$175 maximum per student. Student and amount selected by school.
Outstanding Senior Western New Mexico University	1	\$ 200	\$ 200	0	\$ -	WNMU. \$150 award. Student selected by school. No response from WNMU for 2023
			\$ 8,000	\$ 6,650	Total, non-competitive awards undergraduates	

For 2023, increased Pipkin senior award by \$100, Pipkin book awards by \$75 per university and \$50 per community college, and increase Western senior by \$50.

Non-Competitive Awards Graduates Description	CY2023 PROPOSED			CY2023 ACTUAL		Guidelines
	Qty	Amount	Total	Qty	Total	
Robert Wellnitz Memorial Scholarship	1	\$ 1,500	\$ 1,500			Graduate student (NMSU 2022) selected by school.
Beverly Wellnitz Memorial Scholarship	2	\$ 750	\$ 1,500			Graduate student (NMT & UNM 2022) selected by school.
			\$ 3,000	\$ -	Total, non-competitive awards graduate	

For 2023, increased Robert Wellnitz by \$500 and Beverly Wellnitz by \$250

Grants-In-Aid (GIA) and Research Award	CY2023 PROPOSED								
Frank E. Kottlowski Research Award	1	\$	5,000	\$	5,000	1	\$	5,000	Top-ranked proposal (\$5,000). Award determined by NMGS Scholarship Committee.
James and Susan Cearley Graduate Grant-In-Aid	1	\$	5,000	\$	5,000	1	\$	5,000	Second-ranked graduate proposal (\$5,000). Award determined by NMGS Scholarship Committee.
James and Susan Cearley Graduate/ Undergraduate Grant-In-Aid awarded to grad student for 2023	1	\$	2,500	\$	2,500	1	\$	2,500	Top-ranked undergraduate proposal (\$2,500). Depending on proposal quality, may be awarded to a graduate student. Award determined by NMGS Scholarship Committee.
Cearley Geochronology Award	variable		\$	5,000	7	\$	5,000.00		Undergraduate and graduate students at NM university/college (maximum \$2,000). Award determined by NMGS Scholarship Committee.
GIAs and RAs	variable		\$	21,000					Multiple awards to graduate and undergraduate students at NM university/college (maximum \$2,000 graduates, \$1,500 undergraduates, and \$1,500 graduate mentorships). Awards determined by NMGS Scholarship Committee.
Graduate GIA					10	\$	11,584.00		
Lucille H. Pipkin Undergraduate RA					3	\$	2,750.00		
Graduate Mentorship					4	\$	3,611.00		
			\$	38,500		\$	35,445		Total, grants-in-aid and research awards

For 2023, increased the Cearley Graduate Grant-In-Aid based on donation. Increased Kottlowski to match.

Student Memberships	CY2023 PROPOSED			CY2023 ACTUAL			
Description	Qty	Amt	Total	Qty	Total		Guidelines
Student memberships, spring meeting	125	\$ 25	\$ 3,125	66	\$ 1,650		Final registration: 66 students.
Student memberships, FCC Carlsbad	21	\$ 25	\$ 525	0	\$ -		
			\$ 3,650		\$ 1,650		Total, student memberships

Spring Meeting Registrations	CY2023 PROPOSED			CY2023 ACTUAL			
Description	Qty	Amt	Total	Qty	Total		Guidelines
Student registrations (on-time)	125	\$ 50	\$ 6,250	66	\$ 3,300		Final registration: 66 students. Lunch paid by targeted donations.
Student registrations (late)	0	\$ -	\$ -	0	\$ -		No late registration option in 2023.
			\$ 6,250		\$ 3,300		Total, Spring meeting registrations

Spring Meeting Outstanding Papers	CY2023 PROPOSED			CY2023 ACTUAL			
Description	Qty	Amt	Total	Qty	Total		Guidelines
Outstanding student presentation, oral	2	\$ 150	\$ 300	2	\$ 300		Oral presentation. Selected by NMGS presentation judging group.
Outstanding student presentation, poster	2	\$ 150	\$ 300	2	\$ 300		Poster presentation. Selected by NMGS presentation judging group.
			\$ 600		\$ 600		Total, outstanding papers

For 2023, increased by \$50 each.

Fall Field Conference Scholarships	CY2023 PROPOSED			CY2023 ACTUAL			
Description	Qty	Amt	Total	Qty	Total		Notes
James and Susan Cearley FFC Scholarship	4	\$ 600	\$ 2,400				Cearley funds 4 scholarships
Los Alamos Geological Society FFC Scholarship	4	\$ 600	\$ 2,400				LAGS funds 4 scholarships
FFC Scholarship	13	\$ 600	\$ 7,800				NMGS Scholarship and FCC Committees determine numbers. Preliminary for Carlsbad, 2 scholarships per university (ENMU, NTU, Highlands, NMSU, NMT, UNM); 1 per community college/ minor (CNM, Dona Anna, Mesalands, NMSU-Grants, San Juan, SIPI, UNM-Taos, WNMU);
Wilma Cerruti Lucas Educator FFC Scholarship	1	\$ 600	\$ 600				Wilma Cerruti Lucas Scholarship funds 1 teacher/educator (pre-K through 12), preferably in the FFC area.
			\$ 13,200		\$ -		Total, FFC Scholarships

Assume \$600 registration (includes conference registration and Washington Ranch lodging and meals). Final registration cost needed from FFC leaders.

Science Fair Awards	CY2023 PROPOSED			CY2023 ACTUAL			
Description	Qty	Amt	Total	Qty	Total		Guidelines
NM Science & Engineering Fair Winners	2	\$ 100	\$ 200	0	\$ -		
			\$ 200		\$ -		Total, science and engineering fair

	BUDGETED	ACTUAL & PROJECTED*	ACTUALS TO DATE (April 14, 2023) *
EXPENDITURES:	\$ 73,400.00	\$ 64,570.00	\$ 47,645.00
		*does not include any expenditures to date	

REIMBURSEMENT REQUESTS FROM NMGS FOUNDATION: SPRING 2023 \$ 35,145.00

includes Pipkin undergrad awards, GIA/RAs, and spring meeting registrations/memberships (minus Cearley and general donations)

FALL 2023

includes Wellnitz graduate awards and 2023 Carlsbad FCC student memberships and scholarships (minus Cearley, LAGS, and general donations)

NMGS Foundation money left to request

2023 UNDERGRADUATE SCHOLARSHIPS AND AWARDS

Lucille H. Pipkin Outstanding Senior Award

Eastern New Mexico University	no eligible student	\$ -
Navajo Technical University	Chase Bebo	\$ 600
New Mexico Highlands University	Kamren Moore	\$ 600
New Mexico Tech	Riley Heath	\$ 600
New Mexico State University	Jagger Giffing	\$ 600
University of New Mexico	Sa'angna Gollette	\$ 600

Total Lucille H. Pipkin Outstanding Senior Award \$ 3,000

Outstanding Senior Award

Western New Mexico University	did not respond	\$ -
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Total Outstanding Senior Award \$ -

Lucille H. Pipkin Book Scholarship, Universities

Eastern New Mexico University	Aelea Thomas	\$ 175
Eastern New Mexico University	Ernesto Prieto	\$ 175
Navajo Technical University	Phaizon Osborne	\$ 125
Navajo Technical University	Malynndra Tome	\$ 125
Navajo Technical University	Darlene Wilson	\$ 125
New Mexico Highlands University	Madison Allcorn	\$ 125
New Mexico Highlands University	Mary Frances Bibb	\$ 125
New Mexico Highlands University	Mateo Stewar	\$ 125
New Mexico Tech	Luc Carbonneau	\$ 125
New Mexico Tech	Melina Karavousanos	\$ 125
New Mexico Tech	Daniel Runyan	\$ 125
New Mexico State University	Ruth Flores	\$ 125
New Mexico State University	Cooper Kinman	\$ 125
New Mexico State University	Jenelle McCoy	\$ 125
University of New Mexico	Ian Erwin	\$ 125
University of New Mexico	Elizabeth Houghton	\$ 125
University of New Mexico	Jennifer Patterson	\$ 125
Western New Mexico University	did not respond	\$ -

Total Lucille H. Pipkin Book Scholarship, Universities \$ 2,225

Lucille H. Pipkin Book Scholarship, Community Colleges

Central New Mexico Community College	Benjamin Cote	\$ 75
Central New Mexico Community College	Judith Miller	\$ 75
Central New Mexico Community College	Joshua Padilla	\$ 75
Dona Ana Community College	Isela Hernandez	\$ 175
Mesalands Community College	Ryan Brown	\$ 75
Mesalands Community College	Joseph Soto	\$ 75
Mesalands Community College	Michael Tenorio	\$ 75
New Mexico State University - Grants	Angel Valdez	\$ 175
San Juan College	Bryanna Blakely	\$ 75
San Juan College	Tristan Garcia	\$ 75
San Juan College	McKayla Robinson	\$ 75

Southwestern Indian Polytechnic Institute	Milina Valdez	\$ 75
Southwestern Indian Polytechnic Institute	Ashley Vargas	\$ 75
Southwestern Indian Polytechnic Institute	Uziah Wilson	\$ 75
University of New Mexico - Taos	Coleman Lee	\$ 175

Total Lucille H. Pipkin Book Scholarship, Universities \$ 1,425

TOTAL 2023 UNDERGRADUATE SCHOLARSHIPS AND AWARDS \$ 6,650

2023 RESEARCH AWARDS AND GRANTS-IN-AID

Name	School	Degree	Prior Funding	Title
Abena Serwah Acheampong-Mensah	NMT	MS	No	Geochemistry of critical minerals in mine wastes at Hillsboro and Steeple Rock districts, New Mexico.
John McKennan Bailey	UNM	PhD	No	Using $^{40}\text{Ar}/^{39}\text{Ar}$ of muscovite to test timing of multiple shear zone reactivations in New Mexico and Arizona
Mackenzie Brown Best	NMT	PhD	No	Microbial communities as an assessment tool for critical minerals in historic minewaste
Abigail Rose Brown	NMT	BS	No	Diversity, biogeochemistry and resilience of extremophilic microbial communities within Valles Caldera, Northern New Mexico
Paulina Flores Burnside	NMSU	BS	Yes	Table Mountain as a Stratigraphic Reference for the Mogollon-Datil Volcanic Field
Stellah Cherotich	NMT	MS	Yes	Characterization and Origin of the REE-bearing Magmatic-Hydrothermal Breccia Pipes in the Gallinas Mountains, Lincoln County, NM
Lee Hughes	NMSU	MS	Yes	Characterization and Origin of the REE-bearing Magmatic-Hydrothermal Breccia Pipes in the Gallinas Mountains, Lincoln County, NM
Zohreh Kazemi Motlagh	NMT	PhD	Yes	Critical Minerals in Copper Porphyry Deposits, Black Hawk District, New Mexico
Joseph M Kuljis	NMT	MS	No	Surface water and snowpack modeling with emphasis on post-wildfire hydrologic impacts in the Santa Fe Watershed, NM
Loc K Luong	NMT	PhD	Yes	Combining sediment transport and bedload-induced seismicity equations to improve predictive models of sediment flux in ephemeral channels
Arlacee Luu	UNM	MS	No	New challenges for metamorphic petrology with applications to New Mexico Proterozoic rocks
John Mitchell McLaughlin	NMT	PhD	Yes	A Basin-Wide view of Flash Flood Initiation and Propagation with Seismic Methods
Amit Millo	NMSU	MS	No	Using Structure-From-Motion as a Geological Mapping Tool in the Redrock Region of New Mexico to Understand the Proterozoic History of the Mazatzal Province
Jakob Newcomer	NMT	MS	No	Mineralogical and Trace Element Analysis Of Arsenides and Sulfides of the Black Hawk District, Grant County, New Mexico
George Pharris	NMT	MS	No	Evaluating segmentation behavior along high-priority fault zones within the Tularosa Basin
Cameron Reed	UNM	MS	Yes	Differential bedrock incision of the Jemez River system: resolving Quaternary river response to dynamic landscapes using $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology
Benjamin Rodriguez	UNM	BS	No	$^{40}\text{Ar}/^{39}\text{Ar}$ detrital sanidine geochronology and bedrock incision investigation of paleo-river terraces of the Jemez River at Soda Dam
Nicole Joy Salladin	NMSU	MS	No	Applying Detrital Sanidine Geochronology to Constrain Eocene Provenance Trends in the Southeastern San Juan Basin, Northwestern New Mexico
Alexis Osegueda Salmeron	NMSU	MS	No	The Origin and Evolution of the Proterozoic Rocks of the San Andres Mountains: Field Mapping, Geochronology, and Structural Analysis
Devlon R Shaver	NMT	MS	No	Metamorphism and alteration of the mineral content of Clinker Coal and Rock
Kyle Stafford	NMT	MS	No	Laramide Porphyry Copper Systems: Geochronology and Critical Mineral Potential

2023 RESEARCH AWARDS AND G

Name	Undergrad Research Award	Kottlowski & Cearley	Graduate Grant-In-Aid	Mentorship Amount	Geochron Amount	Total Awarded
Abena Serwah Acheampong-Mensah	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
John McKennan Bailey	\$ -	\$ -	\$ 1,750.00	\$ -	\$ 250.00	\$ 2,000.00
Mackenzie Brown Best	\$ -	\$ 2,500.00	\$ -	\$ 500.00	\$ -	\$ 3,000.00
Abigail Rose Brown	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -	\$ 1,500.00
Paulina Flores Burnside	\$ 250.00	\$ -	\$ -	\$ -	\$ -	\$ 250.00
Stellah Cherotich	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lee Hughes	\$ -	\$ -	\$ 1,984.00	\$ -	\$ -	\$ 1,984.00
Zohreh Kazemi Motlagh	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Joseph M Kuljis	\$ -	\$ 5,000.00	\$ -	\$ -	\$ -	\$ 5,000.00
Loc K Luong	\$ -	\$ -	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00
Arlacee Luu	\$ -	\$ -	\$ 500.00	\$ -	\$ -	\$ 500.00
John Mitchell McLaughlin	\$ -	\$ -	\$ 850.00	\$ 500.00	\$ -	\$ 1,350.00
Amit Millo	\$ -	\$ 5,000.00	\$ -	\$ 1,111.00	\$ -	\$ 6,111.00
Jakob Newcomer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
George Pharris	\$ -	\$ -	\$ 1,000.00	\$ -	\$ 1,000.00	\$ 2,000.00
Cameron Reed	\$ -	\$ -	\$ 1,000.00	\$ 1,500.00	\$ 1,000.00	\$ 3,500.00
Benjamin Rodriguez	\$ 1,000.00	\$ -	\$ -	\$ -	\$ 250.00	\$ 1,250.00
Nicole Joy Salladin	\$ -	\$ -	\$ 2,000.00	\$ -	\$ 1,000.00	\$ 3,000.00
Alexis Osegueda Salmeron	\$ -	\$ -	\$ 500.00	\$ -	\$ 500.00	\$ 1,000.00
Devlon R Shaver	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Kyle Stafford	\$ -	\$ -	\$ 1,000.00	\$ -	\$ 1,000.00	\$ 2,000.00
	\$ 2,750.00	\$ 12,500.00	\$ 11,584.00	\$ 3,611.00	\$ 5,000.00	\$ 35,445.00

Attachment 8

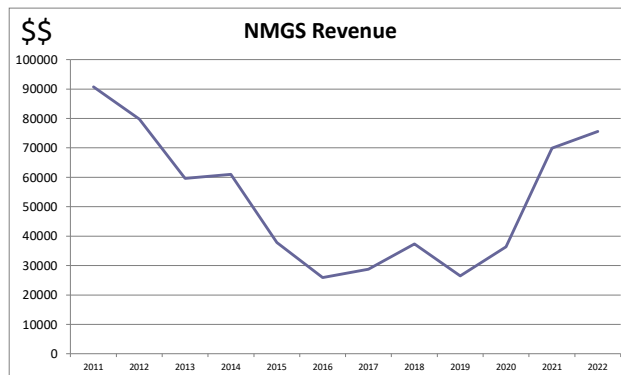
NWGS Fall Conference 2023			120 attendees		October 4-7	
Item	Units	Cost/Unit	Total	Comments		
Days 1-3						
Lodging	1	\$ 9,415.00	\$ 9,415.00	Refundable deposit of \$500, non-refundable alcohol fee of \$250		
Food from WR	1	\$ 9,601.40	\$ 9,601.40	Does this include all three meals? Alcohol or do we need to get kegs?		
alcohol				will need to get kegs for the icebreaker, barbecue and banquet		
Guidebook						
Guidebook Layout	1	\$ 12,000.00	\$ 12,000.00	If above 350 pages, additional charges applied of \$30/page		2022 invoices from Starline:
Guidebook Printing	350	\$ 53.00	\$ 18,550.00	Assumed slight increase in per copy cost		350 copies = \$17,940.00 -> \$51.26/copy
Road Log Printing	200	\$ 19.00	\$ 3,800.00	Assumed slight increase in per copy cost		200 copies = \$3,485 -> \$17.43/copy
Transportation						
Van rental	32	\$ 200.00	\$ 6,400.00	8 vans (assuming univ. vehicles coming), 4 days		Expedia: El Paso \$120/van/day; Abq \$200/van/day
Gas	160	\$4	\$ 640.00	10 vans, 200 miles, 10 mpg, \$4/gallon		estimated for 2022 by 300 miles, \$4.50/gallon average
Drink Truck						
Drinks, snacks, ice	1	\$ 1,800.00	\$ 1,800.00	2022 receipts came to ~ \$1600		
Drink truck folks registration	2	\$ 500.00	\$ 1,000.00			
Gas	20	\$ 4.00	\$ 80.00	total mileage for days 1 & 2 is ~200 miles. Day 3 is the caravan day so attendees will drive their own vehicles & pay for the		
200 miles with 10 mpg, avg. gas price \$4						
Other Costs						
Park Fees: Carlsbad?	1	\$ -	\$ -	In 2006 the park agreed to waive entrance fees		
Entrance fees? Honorariums?	1	\$ -	\$ -	Last time I did this we included a 10% contingency to cover unexpected costs, although that's not required		
Insurance coverage	1	\$ 1,200.00	\$ 1,200.00			
Total			\$ 64,486.40			
Cost per participant			\$ 537.39	Discussions with the EC and the Foundation indicate we need to keep this under \$500		
Projected Revenues with \$490 and \$500 per person registration fee						
\$490/person Registration						
Full-price registration	100	\$ 490.00	\$ 49,000.00			
Partner registration	10	\$ 425.00	\$ 4,250.00			
Scholarships	20	\$ 490.00	\$ 9,800.00			
Flaggers	0	\$ 490.00	\$ -	flaggers were lumped in with the 30 student slots in 2022		
Total Revenue			\$ 63,050.00	\$ (1,436.40)	Anticipated profit/loss Susan indicates 20 total students + flaggers	
\$500/person Registration						
Full-price registration	100	\$ 500.00	\$ 50,000.00			
Partner registration	10	\$ 435.00	\$ 4,350.00			
Scholarships	20	\$ 500.00	\$ 10,000.00			
Flaggers	0	\$ 500.00	\$ -			
Total Revenue			\$ 64,350.00	\$ (136.40)	Anticipated profit/loss	

Attachment 9

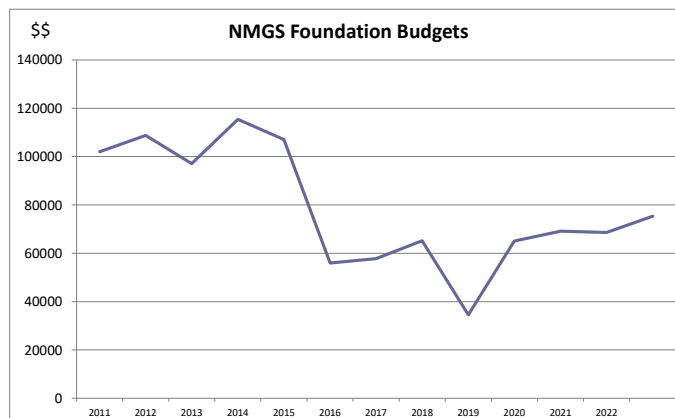
NMGS Foundation: What makes the NMGS Work

- Status of NMGS
 - Revenue
 - Budgets
 - Investment Account
 - Fundraising
-

Revenue: Gas Well Revenues

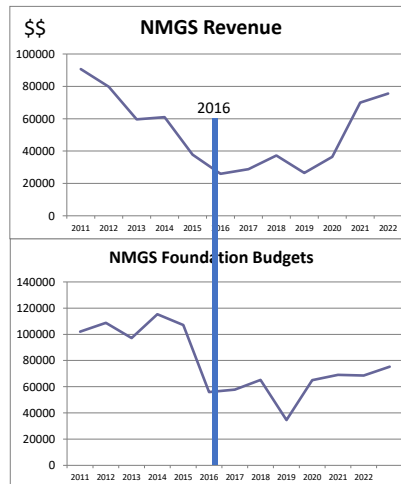


Budgets: \$\$ for Student and Foundation Support

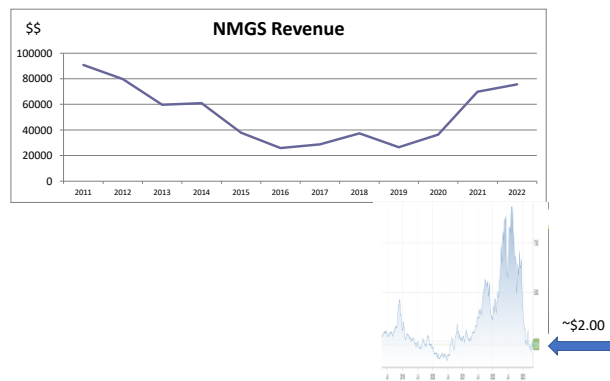


Budgets: 2016 Revenue vs Budgets

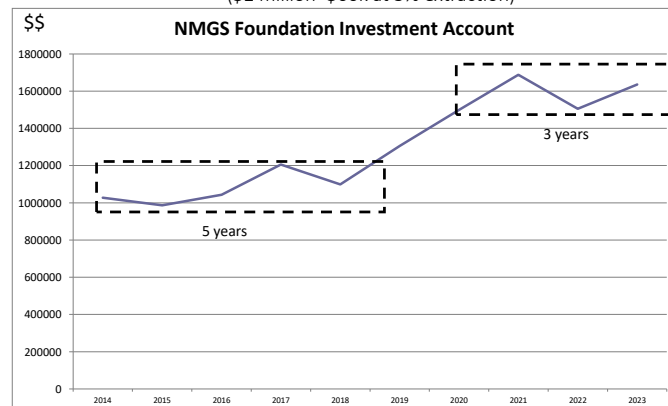
Budgets: Since 2016, budgets
have been in the \$60-70 k range



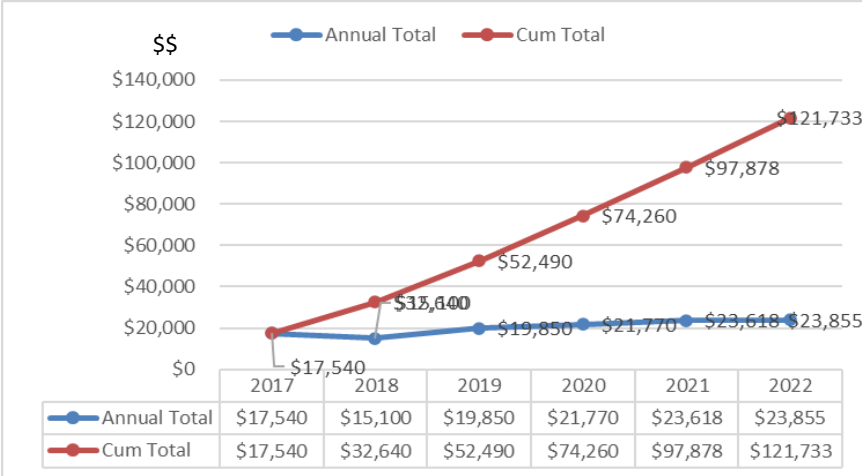
Revenue: Gas Revenues vs Natural Gas Prices



Investment Account: \$\$ for long range support (\$2 million=\$60k at 3% extraction)



Outreach: \$\$ for Investment Fund and Longterm Support



Questions?

Board Members

JohnShomaker
Bob Newcomer
Kate Zeigler
James Cearley
Keven Hobbs