



# OIL AND GAS RESEARCH PROGRAM PROJECT MANAGEMENT REPORT

Reice Haase, Deputy Executive Director, NDIC

July 21, 2023

NORTH  
**Dakota**

Be Legendary.™

# 2023-2025 BIENNIUM:



Appropriated Income:

**\$20.5 million**



Natural Gas Capture  
Commitment:

**\$3 million**



Pipeline Leak Detection  
Commitment:

**\$3 million**



Total All Commitments:

**\$7.25 million**



Grant Management and  
Digitization Costs:

**\$250,000**



CO2 Utilization Commitment:

**\$100,000**



Pipeline Authority and  
Administration Costs:

**\$900,000**



Estimated Remaining  
Funds for 2023-2025:

**\$13.25 million**

# ACTIVE PROJECTS

**22**

Active Projects

**\$22.6 Million**

Paid To Date

**\$41.8 Million**

Awarded Dollars

**\$19.2 Million**

Outstanding Committed Dollars

**\$2.8 Million**

Uncommitted Cash Available

**Oil and Gas Research Program (247)**  
**Financial Statement - Cash Balance**  
**2021-2023**  
**21-Jul-23**

		<b>Cash Balance</b>	
July 1, 2021 Beginning Balance	\$16,283,145.53		
Oil and Gas Tax Revenues through April 30, 2023		\$14,500,000.00	
Transfer from the SIIF Fund		\$9,500,000.00	
Interest/Other Income through April 30, 2023		\$61,871.38	
Total Revenues		\$24,061,871.38	
<b>Expenditures through April 30, 2023</b>			
Transfer to the Pipeline Authority Fund		\$600,000.00	
Salt Cavern Study (Legislative Directed) (Contract 104)		\$9,614,160.74	
Underground Storage (Legislative Directed) (Contract 92)		\$763,600.00	
Legislative Directed Studies (Contracts 101 & 105)		\$443,962.29	
Oil and Gas Research Projects		\$3,707,410.66	
Oil and Gas Education Projects		\$562,405.59	
Oil and Gas Education College of Petroleum Engineering		\$2,191,761.78	
Administrative Expenditures through April 30, 2023		\$102,353.35	
Total Expenditures		\$17,985,654.41	
Cash Balance as of April 30, 2023			\$22,359,362.50
<hr/>			
Outstanding Research Contract Commitments/Emerging Issues	9,953,316.10		
Outstanding Contracted Legislative Directed Cavern Study	\$3,372,039.26		
Outstanding Contracted Legislative Directed Studies	\$590,862.38		
Outstanding Education Contract Commitments	\$1,783,967.70		
Outstanding Petroleum Engineering Oil & Gas Research	\$3,576,238.22		
Outstanding Pipeline Authority Commitment	\$0.00		
Estimated Administrative Expenses for 2021-2023 Biennium	\$197,646.65		
		19,474,070.31	
Non-Committed Cash Funding			<b>\$2,885,292.19</b>
<hr/>			
Estimated Revenues for 2021-2023 Biennium			
Oil and Gas Tax Revenues	\$14,500,000.00		
SIIF Fund	\$9,500,000.00		
Interest & Other Income	\$25,000.00		
		\$24,025,000.00	
<hr/>			
	2021-2023	Budgeted	Committed
Administration	\$300,000.00	\$300,000.00	\$0.00
Pipeline Authority Transfer	\$600,000.00	\$600,000.00	\$0.00
Legislative Directive Cavern Study	\$9,500,000.00	\$12,986,200.00	(\$3,486,200.00)
Legislative Directed Studies	\$4,300,196.00	\$1,798,424.67	\$2,501,771.33
Petroleum Engineering Oil & Gas Research	\$5,768,000.00	\$5,768,000.00	\$0.00
Oil and Gas Education Projects	\$2,667,678.00	\$2,346,373.29	\$321,304.71
Oil and Gas Research Projects	\$17,172,271.00	\$13,660,726.76	\$3,511,544.24
	\$40,308,145.00	\$37,459,724.72	\$2,848,420.28

OGRC Active Projects

Contract #	Project Name	Company	Total Project Cost	Original Commitment	Spent to Date	Balance
G-25-55	Effects of Oil and Gas Development on Mule Deer Populations in Western North Dakota	ND Game and Fish Department	658,747.00	329,374.00	303,000.00	26,374.00
G-45-86	Unitized Legacy Oil Fields: Prototypes for Revitalizing Conventional Oil Fields in North Dakota	Eagle Energy Partners Tundra (EEP Tundra, LLC)	6,000,000.00	3,000,000.00	203,772.82	2,796,227.18
G-46-88	intelligent Pipeline Integrity Program (iPIPE)	Hess Corporation/Stat Oil ASA, Midstream Partners	3,714,000.00	2,600,000.00	2,140,000.00	460,000.00
G-47-90	History of the North Dakota Oil and Natural Gas Industry Project	ND Petroleum Council	607,000.00	295,500.00	54,000.00	241,500.00
G-49-92	Underground Storage of Produced Natural Gas-Conceptual Evaluation and Pilot Project(s) (HB 1014)	Energy & Environmental Research Center (EERC)	12,000,000.00	3,500,000.00	3,076,600.00	423,400.00
G-49-93	AUG Field Trip - Promoting Student Interest in Geology and Geological Engineering	Association of UND Geologists	10,600.00	5,300.00	2,650.00	2,650.00
G-49-94	Weather Information System to Effectively Reduce Oilfield Delays and Disruption (WISE Roads)	Western Dakota Energy Association	625,000.00	310,000.00	163,125.63	146,874.37
G-50-96	PCOR Initiative to Accelerate CCUS Deployment	Energy & Environmental Research Center (EERC)	18,752,874.00	2,000,000.00	640,342.14	1,359,657.86
G-50-97	Improving EOR Performance Through Data Analytics and Next-Generation Controllable Completions	Energy & Environmental Research Center (EERC)	10,000,000.00	500,000.00	94,930.07	405,069.93
G-51-98	Bakken Production Optimization Program 3.0	Energy & Environmental Research Center (EERC)	12,000,000.00	6,000,000.00	3,201,577.45	2,798,422.55
G-51-100	NDIC Funding to Support Research of Petroleum Engineering Program at University of North Dakota	Petroleum Engineering Program, University of North Dakota (UND)	7,712,150.00	2,788,000.00	2,191,761.78	596,238.22
G-52-102	North Dakota Petroleum Foundation Outreach and Education Program	ND Petroleum Foundation	2,025,000.00	1,012,500.00	454,807.30	557,692.70
G-53-103	Creedence Energy Services EOR Biosurfactant Applications	Creedence Energy Services/Locus Bio-Energy	622,288.00	205,750.00	-	205,750.00
G-54-104	Field Study to Determine the Feasibility of Developing Salt Caverns for Hydrocarbon Storage in Western North Dakota	Energy & Environmental Research Center (EERC)	10,000,000.00	12,986,200.00	9,614,160.74	3,372,039.26
G-54-105	Hydrogen Energy Development for North Dakota	Energy & Environmental Research Center (EERC)	500,000.00	500,000.00	332,537.62	167,462.38
G-55-106	Development of Formulations for the Removal of Scale from Oil and Gas Wells in the Williston Basin	University of North Dakota (UND)	1,603,163.00	451,427.00	-	451,427.00
G-55-107	UND's Department of Petroleum Engineering Oil and Gas Research	UND Petroleum Engineering	6,613,930.00	2,980,000.00	-	2,980,000.00
G-55-108	iPIPE 2.0	Energy & Environmental Research Center (EERC)	1,450,000.00	400,000.00	70,663.93	329,336.07
G-55-109	Advances In Impacts Recovery From Electrokinetic Soil Remediation	Stealth Energy Services/NDSU/EOG/Oasis	547,660.00	265,000.00	-	265,000.00
G-55-110	Well Site Thief Hatch Methane Detectors	Vareberg Engineering, Ltd./Blue Rock Solutions, LLC	582,000.00	266,000.00	56,822.86	209,177.14
G-56-111	Agricultural Carbon Capture in Western North Dakota	ND Natural Resources Trust	1,051,000.00	500,000.00	-	500,000.00
G-57-112	North Dakota Petroleum Foundation Outreach and Education Program	North Dakota Petroleum Foundation	1,574,250.00	982,125.00	-	982,125.00
			<b>98,649,662.00</b>	<b>41,877,176.00</b>	<b>22,600,752.34</b>	<b>19,276,423.66</b>

