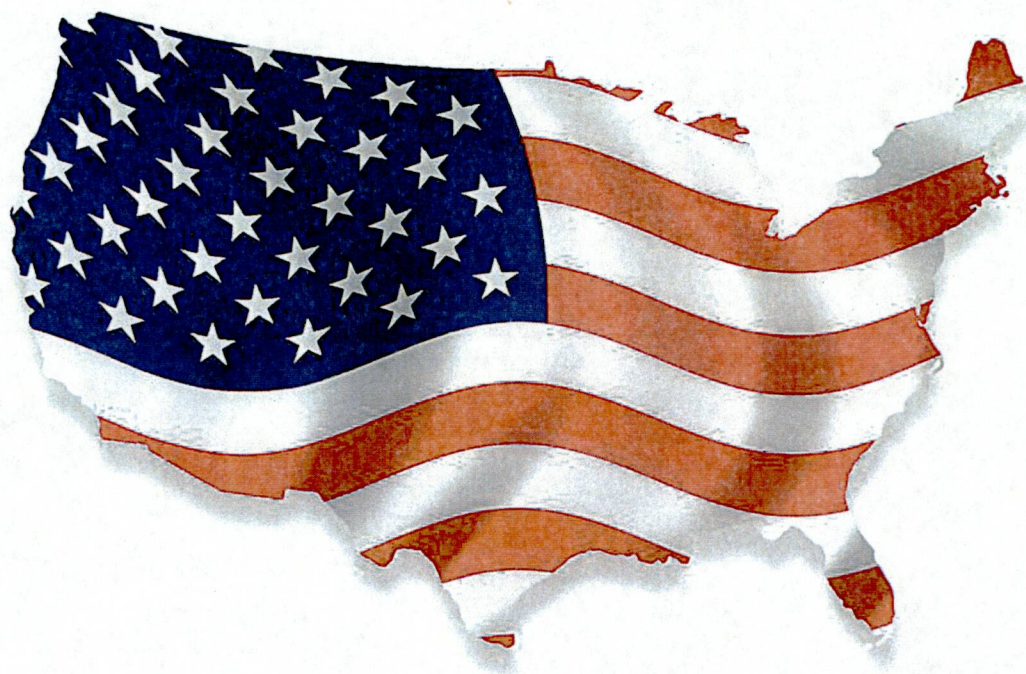


American Recovery and Reinvestment Act (ARRA)

Status Report

Presented to Budget Section
December 8, 2010



Sheila Peterson, Director of Fiscal Management
Office of Management and Budget

ARRA Funding in North Dakota

About \$520 million have been awarded to North Dakota through the American Recovery and Reinvestment Act to be distributed through state agencies. Most of the funding will be channeled through three agencies: the Department of Public Instruction, the Department of Human Services, and the Department of Transportation.

During the quarter ended September 30, 2010, 3,116.33 North Dakota jobs were funded with these ARRA funds. The vast majority of these jobs are in public school districts.

Public School Districts	Non-profit Organizations	Private Sector	State Agencies	Local Governments
2,363.99	144.14	518.45	81.15	8.60

In many cases, particularly with state agencies and public school districts, these were not new positions; rather they existed prior to ARRA. When the ARRA funding expires, the positions will revert to their original funding sources. If additional funding is not available, the positions will be eliminated.

American Recovery and Investment Act
2009-2011 State Employee Jobs, Post-ARRA Status
As of September 30, 2010

Agency Name	Existing Positions			Temporary Positions Will be Eliminated	Position May Be Continued	Total ARRA-Funded State Jobs
	Revert to Original					
	Funding Source					
Office of Management and Budget	0.22	-	-	-	-	0.22
Information Technology Department	0.40	-	-	-	-	0.40
Office of the Attorney General ¹	-	-	-	7.53	-	7.53
Department of Public Instruction	1.67	-	-	-	-	1.67
University of North Dakota	0.66	-	-	-	-	0.66
Minot State University	-	-	-	-	-	-
Department of Health	5.53	2.44	-	-	-	7.97
Indian Affairs Commission	-	-	-	-	-	-
Department of Human Services	-	4.11	-	-	-	4.11
Job Service North Dakota	-	31.73	-	-	-	31.73
Public Service Commission	-	0.67	-	-	-	0.67
Housing Finance Agency	-	-	-	-	-	-
Department of Corrections	-	-	-	-	-	-
Adjutant General	-	-	-	-	-	-
Department of Commerce	5.69	-	-	-	-	5.69
Council on the Arts	-	-	-	-	-	-
Department of Transportation	20.50	-	-	-	-	20.50
Total	34.45	38.95	7.53			81.15

¹ The Attorney General has begun transitioning these positions to other funding sources when the ARRA dollars are no longer available. In 2011-13, one position will be funded with other federal funds. Two positions will also be partially funded with special funds.

**American Recovery and Investment Act
2009-2011 Non-State Employee Jobs
As of September 30, 2010**

Private Sector	518.45
Local Government	8.60
Non-profit Organizations	144.14
Public School District	2,363.99
Total Non-State Employee Jobs	3,035.18

Agency Name	Non-State Employee FTE	Position	Type of Organization
Information Technology Department		Project Manager, GIS Analyst, Telecommunications Engineer and Administrative Support	Private Sector
	4.18		Private Sector
Office of the Attorney General		Strategic planning and operational consultants	Local government - Counties / Cities, multiple
	1.17		Non-profit resource / crisis centers and counties
		Deputies / Officers	Local government - County
	5.89		
	1.41	Advocates/counselors	
	0.19	Program coordinator	
Department of Public Instruction		Instructional staff	Public School Districts - statewide
	2,058.13		Public School Districts - statewide
	206.22	Title I teachers, coaches, paraprofessionals, etc.	Public School Districts - statewide
	1.58	Technology intern and integration specialists	
		Special education teachers, assistants, coaches, coordinators, consultants,	
	91.58	therapists and aides	Public School Districts - statewide
	0.42	Homeless liaisons	Public School Districts - statewide
University of North Dakota		Architects / engineers / construction contractors	Private Sector
	21.34		
Department of Health		Watershed coordinators	Local government - Soil Conservation Districts, multiple
	1.52		
		Engineers, surveyors, technicians, architects, archaeologists, planners, project managers, administrators, accountants, notary, etc.	Private Sector
	112.25	Domestic violence advocates, law enforcement advocates, program directors and coordinators	Non-profit resource / crisis centers
	11.74		Local government - County
	1.00	Crime victim specialist	

Agency Name	Non-State		Position	Type of Organization
	Employee FTE			
Department of Human Services	13.57	Employment specialists and support staff	Private Sector	Non-profit organization
	1.54	IDEA support staff		
	6.06	Rehabilitation program administrators, instructors, traumatic brain injury specialists and employment specialists	Public School Districts	
	22.99	Child care consultants, child care health consultants, training coordinators, program assistants, business consultants, communications coordinator, child care center managers	Private Sector	
	0.68	Employment and training coordinators, assistants, support staff	Non-profit organizations	
	5.37	Concrete workers, carpenters, electricians, plumbers and other construction-related positions	Private Sector	
Housing Finance Agency	10.26	Plumbers, pipefitters, electricians, journeymen, apprentices	Private Sector	
Adjutant General	13.74	Emergency services case managers, fiscal assistance administrators, and warehouse assistants	Non-profit organizations - community action agencies	
	110.61	Weatherization auditors, installation technicians, weatherization coordinators, etc.	Non-profit organizations - community action agencies	
	0.75	Advertising contractor	Private Sector	
	9.96	Construction workers	Private Sector	
	4.42	Homeless program specialists	Non-profit organizations	
Department of Transportation	316.61	Engineers, technicians and other transportation-related positions	Private Sector	
	3,035.18	Total Non-State Employee Jobs		

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTEs	Non-State FTEs	Total ARRA- Funded FTE	FTE Description
110 Office of Management and Budget	Administrative Costs (HB 1015)*	\$289,494	\$289,494	92,465	0.22	0.00	0.22	0.22 FTE Fiscal Analyst. This position existed prior to ARRA 0.22 and will revert to its original funding source when ARRA funds are no longer available.
	Database of State Expenditures (SB 2018)*	400,000	400,000	32,118			0.00	
	Total Office of Management and Budget	\$689,494	\$689,494	\$124,582	0.22	0.00	0.22	
112 Information Technology Department	Broadband Availability and Demand Assessment	\$2,000,000	\$3,664,087	508,066	0.40	4.18		0.02 Administrative Assistant and .38 FTE Project Manager. These positions existed prior to ARRA funds and will revert to their original funding source when ARRA funds are no longer available. 4.18 FTE for Project Manager, GIS Analyst, Telecommunications Engineer and Administrative Support at a private company.
	State Health Information Exchange Cooperative Agreement Program (SB2332 included \$80M appropriation contingent upon receipt of award)	\$80,000,000	\$5,343,733	215,343	0.00	1.17	1.17	1.17 FTE Project Consultants at private companies.
	Statewide Longitudinal Data System Initiative	10,000,000						
	Total Information Technology Department	\$92,000,000	\$9,007,820	\$724,409	0.40	5.35	5.75	
125 Office of Attorney General (HB 1003)	Edward J. Byrne Memorial Justice Assistance Grant	\$1,652,426	\$3,162,336	1,052,469	3.98	7.49		1.07 FTE Agent and 1.89 FTE Forensic Scientists and 1.02 FTE Administrative Assistant. The agency may seek other funds or request general fund dollars to continue these new positions. Non-State FTE include 5.86 Officers/Deputy at multiple ND cities and counties, 1.41 Advocates/Counselors at various counties, resource centers and crisis centers, and .19 program coordinator at one county.
	Internet Crimes Against Children Task Force	216,174	413,449	141,245	0.86	0.00	0.86	1 full-time special agent has been hired
	Rural Law Enforcement Assistance Act	390,588	635,057	115,076	2.69	0.00	2.69	2.09 FTE for new Intelligence Analysts and 0.60 FTE Business Services Account Technician. The agency may seek other funds or request general fund dollars to continue the new analyst positions.
	Total Office of Attorney General	\$2,259,188	\$4,210,842	\$1,308,790	7.53	7.49	15.02	

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTE	Non-State FTE	Total ARRA- Funded FTE	FTE Description
201 Department of Public Instruction (HB 1013)	Admin Costs Relating to Federal Fiscal Stimulus Payment to Schools (HB 1013)*	\$326,348	\$326,348	169,618	0.00	0.00	0.00	
	Early Childhood Learning Council Operating Expenses (HB 1013)*	20,000	20,000	2,516	0.00	0.00	0.00	
	English Language Learner Grant to a Regional Education Association (SB 2212)*	40,000	40,000	0	0.00	0.00	0.00	
	Fiscal Stabilization Funds - Education*	85,644,337	85,644,337	85,644,337	0.00	2,058.13	2,058.13	All FTE are for instructional staff at public school districts throughout the state.
	Title I - Part A	27,415,262	27,437,105	13,298,251	145.34			44.4 Title I Classroom Teachers, 17.125 Title I Reading Teachers, 8.32 Title I Math Teachers, 54.19 Paraprofessionals, 5.60 Preschool Teachers, 4 Parent Coordinators / Liasons, 1.11 School Improvement Coordinators, 1.49 Security / Bus Driver, 2.13 Data Coordinators, 4.82 Intervention Specialists/Title I Coordinator, 1.25 ELL Teacher, .9 Counselor at public schools throughout the state.
	Title I - School Improvement	7,312,958	7,631,521	47,862	1.30	60.88		21.42 Title I Classroom Teachers, .83 Positive Behavior Support Coach, 11.93 Paraprofessionals, .8 Program Improvement Coach, 1.10 Parent Liasons, 7.22 Curriculum Development/Instructional Coach, 10.7
	Title II - Part D - Technology	3,209,375	3,209,375	966,054	0.37	1.58		62.18 Interventionist/Student Performance, 4.83 Data/Assessment Manager, .38 Pre-School Teacher, 1 Title I Specialist, 125 Extended Day Coordinator, .54 Counselor/Administration; 1.3 SEA Staff at public schools throughout the state.
	Individuals with Disabilities Education Act	27,413,988	27,413,988	15,332,823	0.00	91.58		The jobs funded include .02 Technology Coordinator, .89 Technology Intern, .40 Technology Partner and 27 Technology Staff Development Specialist; 37 SEA Staff
	McKinney-Vento Homeless Assistance Act	150,000	175,966	147,715	0.00	0.42		91.58 FTE for special education teachers, instructional assistants & coaches, RTI & behavior strategists, and other various specialists, coordinators, consultants, therapists, and aides located at school districts throughout the state.
	National School Lunch Equipment Program (Final Report 9/30/2010)	230,000	215,764	215,764				42 FTE for part-time homeless liaisons located at school districts throughout the state.
	The Emergency Food Assistance Program	85,426	127,410	104,545	0.00	0.00	0.00	
	Total Department of Public Instruction	\$151,847,694	\$152,241,814	\$115,929,485	1.67	2,357.93	2,359.60	

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTEs	Non-State FTEs	Total ARRA- Funded FTE	FTE Description
230 University of North Dakota	Education Building (SB 2003)*	\$11,200,000	\$11,200,000	1,628,882	0.54	21.34	21.88	.54 FTE UND employees. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available.
	Simulation Laboratory Initiative (SB 2266)*	500,000	500,000	280,693	0.12	0.00	0.12	.12 FTE UND Employees. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available.
	Total University of North Dakota	\$11,700,000	\$11,700,000	\$1,889,576	0.66	21.34	22.00	
241 Minot State University	Swain Hall (SB 2003)* (Final Report 6/30/2010)	\$5,000,000	\$5,000,000	5,000,000				
	Total Minot State University	\$5,000,000	\$5,000,000	\$5,000,000	0.00	0.00	0.00	
301 State Department of Health (SB 2004)	Water Quality Management 604(B)	\$194,300	\$194,300	57,685	0.57	1.52	2.09	.57 FTE affects multiple positions: Environmental Scientists and Grants Contract Officer and Admin. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available. 1.52 non-state FTE are watershed coordinators, Engineer and Hydrologist at local Soil Conservation Districts.
	Superfund Arsenic Trioxide Project	13,800,000	9,698,492	3,593,697	0.52	31.19	31.71	0.55 FTE affects multiple positions: Grants and Contracts Officer, Environmental Engineer, Chief Environmental Health Section Secretary/Administrator, Water Quality Division Director, and Environmental Scientist at the Department of Health. These positions existed prior to ARRA and will revert to their original funding sources when ARRA funds are no longer available.
	Clean Diesel	1,730,000	1,730,000	986,941	0.33	0.00		31.19 non-state FTE include engineers, surveyors, technicians, administrative staff, architects, attorneys, notary, archaeologists, planners at private companies.
	Clean Water State Revolving Loan Fund	769,564	16,639,100	13,205,466	1.94	30.71	32.65	0.33 FTE affects multiple positions: Grants Officer, Administrative Assistant and Division Director at Department of Public Instruction and Environmental Scientist, Chief Environmental Health Section, and Grants Officer at the Department of Health. These positions existed prior to ARRA and will revert to their original funding sources when ARRA funds are no longer available.
								1.94 FTE for Administrative Assistant, Chief Environmental Health Section, Grants and Contracts Officer and Environmental Engineers. The positions existed prior to ARRA and will revert to their original funding sources when ARRA funds are no longer available. 30.71 non-state FTE are construction-related jobs such as project managers, civil engineers, engineering technicians, CAD technicians, surveyors, GPS crew, survey technicians and administrative staff to build wastewater facilities throughout the state.

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTE: FTE	Non-State FTE	Total ARRA- Funded FTE	FTE Description
	Drinking Water State Revolving Loan Fund	780,000	22,100,000	10,093,235	1.70	50.35		11.7 FTE for Administrative Assistant, Chief Environmental Health Section, Grants and Contracts Officer, Environmental Scientists and Environmental Engineers. The positions existed prior to ARRA and will revert to their original funding sources when ARRA funds are no longer available. 50.35 non-state FTE are construction-related jobs such as Engineers, Draftspersons, Survey Technicians, Instrumentation Technicians, and Administrative staff to build drinking water facilities throughout the state.
	Domestic Violence Sexual Assault Organizations (SB 2004)	511,661	812,159	366,656	1.00	12.74		1.00 FTE for Program Director. This is a new, temporary position that will be eliminated when ARRA funds are no longer available.
	Women, Infants, and Children	61,800	66,975	66,350	0.00	0.00		11.74 non-state FTEs are for domestic violence advocates, law enforcement advocates, program directors and coordinators at multiple non-profit centers throughout the state.
	Ambulatory Surgical Centers	18,685	18,685	8,626	0.15	0.00		1.00 Crime Victims Specialist was also funded at a county states attorney office.
	State Primary Care Offices	56,475	32,270	15,073	0.26	0.00		0.26 FTE for the Workforce Project Coordinator and NHSC coordinator at UND. The positions existed prior to ARRA and will revert to their original funding sources when ARRA funds are no longer available.
	Healthcare Associated Infections (HAI)	201,830	201,830	39,940	1.06	0.00		1.00 FTE for HAI Activities Coordinator and .06 FTE Epidemiologists. These are temporary positions that will be eliminated when ARRA funds are no longer available.
	Center for Disease Control for Healthy Communities, Tobacco Control, Diabetes Prevention & Control, and Behavior	364,148	364,148	35,314	0.44	0.00		.44 Physical Activity Consultant HSP Adm III. These are temporary positions that will be eliminated when ARRA funds are no longer available.
	Immunization Services	1,748,470	1,076,677	157,831	0.00	0.00		
	Total State Department of Health	\$20,236,933	\$52,936,636	\$28,626,833	7.97	126.51	134.48	
316 Indian Affairs Committee	American Indian Language Preservation Committee (HB 1399)*	\$18,000	\$18,000	0	0.00	0.00	0.00	
	Total Indian Affairs Committee	\$18,000	\$18,000	\$0	0.00	0.00	0.00	
325 Department of Human Services (HB 1012)	Elderly Nutrition Services (Final Report 3/31/2010)	485,000	485,000	485,000				

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTE:	Non-State FTEs	Total ARRA- Funded FTE	FTE Description
	Rehabilitation Services and Disability Assistance and Independent Living	2,043,000	2,042,913	680,786	4.11	19.63	23.74	2.11 FTE for Business Specialist and 2.00 Assistive Technology Specialist. These are temporary positions that will be eliminated when ARRA funds are no longer available. 2.92 Employment Specialists, 2.74 administrators/instructors and .40 traumatic brain injury specialists are funded at schools. 8.05 Employment Specialists, 1 supervisor, and 4.52 support staff and instructors are funded at a non-profit organization.
	Individuals with Disabilities Education Act - Part C	2,140,000	2,398,284	66,841	0.00	1.54	1.54	10 temporary, part-time support positions were funded for university. Net FTE = 1.54.
	SNAP Administration Costs	411,747	411,620	393,880				
	Child Care Development Block Grant (HB 1418)	3,644,000	3,643,882	1,076,142	0.00	22.99	22.99	8.99 Child Care Consultants, 6 Child Care Health Consultants, 2 Training Coordinators, 2 Program Assistants, 2 Business Consultants, 1 Administrative Assistant, and 1 Communications Coordinator at private companies.
	Senior Employment Program (Final Report 9/30/2010)	143,288	143,288	136,907	0.00	0.68	0.68	.68 FTE include partial funding for employment/training coordinators, office assistants and a director at a non-profit organization in the state.
	Older Blind (Final Report 12/31/2009)	3,170	3,170	3,170				
	Federal Medical Assistance Percentage Increase	\$66,500,000		43,649,248				
	Child Support Incentive Matching Funds	3,995,000		3,993,216				
	Supplemental Nutrition Assistance Program	9,670,000		11,684,936				
	Temporary Assistance for Needy Families (TANF) 2007-08 Caseload Increase (Federal TANF funds were not approved as increasing TANF caseload criteria was not met.)	\$510,000						
	TANF Subsidized Employment Costs or Program Avoidance Costs	10,345,000		1,155,083				
	Total Department of Human Services	\$99,890,205	\$9,128,147	\$63,325,190	4.11	44.84	48.95	

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTEs	Non-State FTEs	Total ARRA- Funded FTE	FTE Description
380 Job Service North Dakota (SB 2016)	Workforce Investment Act	\$5,068,883	\$5,068,883	4,278,339	3.03	0.00	3.03	3.03 FTE for Customer Service Representatives. These are temporary positions that will be eliminated when ARRA funds are no longer available.
	State Unemployment Insurance and Employment Services Grant (Wagner-Peyser)	2,984,613	2,984,613	1,522,192	28.70	0.00	28.70	28.70 FTE for Customer Service Representatives. These are either temporary positions that will be eliminated when ARRA funds are no longer available or existing positions that will revert back to the original funding sources.
	Emergency Unemployment Compensation Funding Administration	87,087		87,087				
	Unemployment Compensation Benefit Increase - Administration	1,039,443		134,852				
	Total Job Service North Dakota	\$9,180,026	\$8,053,496	\$6,022,470	31.73	0.00	31.73	
408 Public Service Commission	State Electricity Regulators Assistance	\$766,350	\$766,350	20,996	0.67	0.00	0.67	1.00 FTE for temporary Public Utility Analyst. This is a temporary position that will be eliminated when ARRA funds are no longer available.
	Total Public Service Commission	\$766,350	\$766,350	\$20,996	0.67	0.00	0.67	Concrete workers, framing carpenters, electricians, plumbers, construction supervisors, siding installers, drywall hangers & tapers, painters, finish carpenters, 5.37 backhoe operator, flooring installer, roof shinglers, insulators, gyprocrete floor underlayment installers at private companies.
473 Housing Finance Agency (SB 2014)	HOME Tax Credit Assistance Program	\$4,860,574	\$4,860,574	282,117	0.00	5.37		
	Federal Low-Income Housing Tax Credit Exchange Program	25,500,000		6,339,241				
	Total Housing Finance Agency	\$30,360,574	\$4,860,574	\$6,621,358	0.00	5.37	5.37	
530 Department of Corrections and Rehabilitation (SB 2015)	Crime Victims' Compensation (Final Report 3/31/2010)	\$78,313	\$78,313	78,313				
	Crime Victims' Assistance (Final Report 9/30/2010)	542,000	542,000	542,000	0.00	0.00	0.00	
	Total Department of Corrections and Rehabilitation	\$620,313	\$620,313	\$620,313	0.00	0.00	0.00	
540 Adjutant General (HB 1016)	Military Energy-Related Maintenance and Repairs	\$2,922,270	\$2,689,000	1,618,796	0.00	6.98	6.98	6.98 FTE include plumbers, pipefitters, electricians, programmers, journeymen and apprentices at private companies throughout the state.
	Boiler Replacement, Construction of East Operations Ctr. & IT Enhance*	1,261,500	\$1,261,500	528,407	0.00	3.28	3.28	3.28 FTE include architects, engineers, mechanical, plumbing and other contractors at private companies.
	Total Adjutant General	\$4,183,770	\$3,950,500	\$2,147,203	0.00	10.26	10.26	

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTEs	Non-State FTEs	Total ARRA- Funded FTE	FTE Description
601 Department of Commerce (SB 2018)	Community Development Block Grant Program	\$1,300,000	\$1,299,857	719,550	0.34	9.96		.10 FTE Program Administrators and .24 FTE Program Manager. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available. .96 FTE are construction workers with private companies in the state.
	Community Services Block Grant	4,853,305	4,573,445	4,515,553	0.00	13.74		13.74 FTE are emergency services case managers and various administrative positions with non-profit community action agencies throughout the state.
	State Energy Program	24,585,000	24,585,000	676,042	1.96	0.00		.59 FTE Program Manager, .50 FTE Program Administrators, .75 Energy Engineer and .12 Accounting Specialist. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available.
	Energy Efficiency and Conservation Block Grant Program	10,000,000	9,593,500	931,025	0.59	0.75		.33 FTE Energy Program Administrator, .17 FTE accounting specialist, and .09 FTE State Energy Engineer. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available. .75 FTE Advertising Contractor with a private communications company in the state.
	Weatherization Assistance Program	25,266,330	25,266,330	12,171,772	2.48	110.61		1.86 FTE Trainer/Monitors and .62 FTE Weatherization Program Director. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available. 110.61 non-state FTE include auditors, installation technicians, coordinators and administrators in various non-profit community actions agencies throughout the state.
	Homeless Prevention and Rapid Rehousing Program	2,590,000	2,582,637	950,160	0.22	4.42		.12 FTE CDBG Program Manager and .10 FTE Administrative Assistant. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available. Additionally, 4.42 FTE for program specialists were funded at non-profit organizations throughout the state.
	Energy Assurance Contingency Planning Grant	\$258,858	\$258,858	49,808	0.06	0.00		.06 FTE Energy Program Manager. This position existed prior to ARRA and will revert to its original funding source when ARRA funds are no longer available.
	Energy Star Appliance Rebate Program	615,000	615,000	611,484	0.04	0.00		.04 FTE Energy Program Manager. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available.
	Total Department of Commerce	\$69,468,493	\$68,774,627	\$20,625,395	5.69	139.48	145.17	
709 Council on the Arts (SB 2010)	National Endowment for the Arts (Final Report 6/30/2010)	\$290,000	\$290,000	290,000				
	Total Council on the Arts	\$290,000	\$290,000	\$290,000	0.00	0.00	0.00	
770 State Water Commission (SB 1020)	Bureau of Reclamation Water Resource Projects (SW Pipeline Project)	12,000,000	11,900,000	746,018				
	Total State Water Commission	\$12,000,000	\$11,900,000	\$746,018				

American Recovery and Investment Act - 2009-2011

Cumulative through September 30, 2010

For the Quarter Ended
September 30, 2010

Agency	Project/Program	ARRA Funds Appropriated	Award Amount	Total Expenditures	State FTE:	Non-State FTE:	Total ARRA- Funded FTE	FTE Description
801 Department of Transportation (SB 2012)	Highway Infrastructure Investment	\$170,128,497	\$170,128,497	145,656,562	20.50	311.81	332.31	20.50 FTE Engineers and Engineering Technicians. These positions existed prior to ARRA and will revert to their original funding source when ARRA funds are no longer available.
	Central Federal Lands (Slope County Project)	\$160,000	\$160,000	159,653	0.00	0.00	0.00	311.81 non-state FTE are positions with private companies throughout the state.
	Transit Programs	5,956,174	5,956,263	1,256,927	0.00	4.80	4.80	2.80 FTE in the manufacturing of two coaches and 2.00 FTE for the recipient of the buses - all at private companies.
	Total Department of Transportation	\$176,242,671	\$176,242,760	\$147,075,142	20.50	316.61	337.11	
	TOTAL ARRA FUNDS APPROPRIATED	\$686,753,711	\$520,391,373	\$401,097,760	81.15	3,035.18	3,116.33	

* Appropriations from the State Fiscal Stabilization Fund (SFSF) flow through the Governor's Office to the respective state agency.

* When the Award Amount field is blank, an award has not been received or the program is not funded through an award process. Appropriation authority for these programs totals approximately \$127 million.

ARRA Direct Grants

North Dakota entities have received grant awards of approximately \$720.2 million through September 30, 2010. During the quarter ended September 30, 2010, 3,679.22 jobs throughout the state were funded with ARRA grant dollars.

As reported to the Budget Section in September 2010, awards through June 30, 2010 were \$662 million, while 3,392.42 jobs were funded during that quarter.

Recipient Type	Award Amount	Federal Funds Received	Jobs Funded with ARRA dollars
Airport	\$ 8,633,411	\$ 2,515,008	8.30
City	24,752,922	10,276,570	56.81
County	7,039,257	820,201	41.80
Fire	84,570	0	0
Housing	4,044,978	2,314,862	35.74
Nonprofit	12,642,589	2,861,321	32.88
Private	57,320,709	2,873,797	44.75
School	39,404,902	12,904,003	135.88
State	482,721,903	303,630,543	3,111.26
Tribe	41,047,146	24,513,073	183.62
Water	42,500,000	4,192,618	28.18
Total	\$ 720,192,387	\$ 366,901,994	3,679.22

Grant awards to political subdivisions (including cities, counties, airport authorities, fire districts, housing authorities, schools and water districts) comprise 17.6% of total awards, while 8.3% of the jobs funded occurred in these groups.

The attached document provides specific information for each award, as provided by the award recipient and reported on www.recovery.gov.

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
GRAND FORKS REGIONAL AIRPORT AUTHORITY	Airport	Construct Terminal Building, Phase II (Terminal Apron, Access Road, Utilities, and Site Work).	4,459,615	4.3	371,051
WAHPETON AIRPORT AUTHORITY	Airport	Airport Development - Runway 15-33 is in need of improvement to reconstruct pavement to reconstruct pavement, upgrade the lighting system, and provide better airfield drainage.	4,173,796	4	2,143,957
BISMARCK, CITY OF	City	Equipment, supplies and technology acquisition.	303,585	0	255,758
BOWDON, CITY OF	City	This grant, together with load award ND-93-01, is for the replacement of water distribution and sanitary sewage collection mains in the city of Bowdon.	1,493,000	0	-
CANDO, CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	122,680	1	21,386
CITY OF BISMARCK	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	598,575	2.9	44,553
CITY OF BISMARCK	City	Invest in the public transportation by purchasing new fixed-route buses, para-transit buses, transit support vehicle, and rehabilitate transit building.	1,404,227	0	327,029
CITY OF BISMARCK	City	Rehabilitation of affordable housing & special needs housing	92,362	0.49	87,665
CITY OF BISMARCK	City	Develop an energy efficiency and conservation strategy and implement projects.	594,200	0	-
CITY OF ELLENDALE	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	139,832	1	11,093
CITY OF FARGO	City	Energy Efficiency and Renewable Energy Conservation Block Grant	948,900	2.3	440,679
CITY OF FARGO	City	Community Development	183,168	0.32	183,168
CITY OF FARGO	City	Invest in public transportation by purchasing replacement and expansion buses, a farebox system, a shop service truck, and bus shelters.	2,460,032	0	2,427,925
CITY OF GRAND FORKS	City	Purchase two 35 foot low floor buses and one 35 foot low floor hybrid bus.	1,176,567	1.7	1,176,567
CITY OF GRAND FORKS	City	The award will be used to accomplish four tasks: (1) Residential weatherization and energy audits - weatherization of 350 homes during the grant period and a establishment of Revolving Energy Fund and Public Building Energy Fund to allow continuation of program after the grant period; (2) Energy efficiency/conservation programs for municipal buildings and facilities - energy rehabilitation of Grand Forks Central Fire Station to include installation of insulation, an energy efficient, zoned heating system, and energy efficient windows in first 12 months of grant period; (3) Reduction and capture of methane and greenhouse gases - conduct and completion of a feasibility study for capturing methane from closed City landfill and using it to produce electricity for nearby public facilities in first 12 months of the grant period; and (4) Traffic signal synchronization - traffic light synchronization on major city roadways to reduce idling, fuel consumption and associated greenhouse gas emissions in first 12 months of the grant period.	569,800	2.3	48,674
CITY OF VALLEY CITY	City	The project consists of design and construction to replace approximately 1,700 feet of the 48-inch brick sanitary sewer system in the five-block downtown area along Main Street, Central Avenue, and 2nd Avenue NE, and the relining of approximately 5,800 feet of sewer lines located in other low lying areas of the city. Brick manholes along the routes described will be replaced with precast manholes with monolith bases. All sanitary sewer service lines along the sewer replacement route will be replaced to the road right of way line. In addition this project will replace approximately 1,300 feet of aging water main in a two block area located along 2nd Street NE in Valley City, Barnes County, North Dakota.	2,325,000	0.7	1,826,898
DICKINSON, CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	134,005	1	-
DICKINSON, CITY OF	City	Recovery Act - Energy Efficiency & Conservation Block Grant Program	68,200	0	48,160
FARGO, CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and increase their community policing capacity and crime prevention efforts.	1,405,915	7	199,829

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
FARGO, CITY OF	City	Recovery Act Justice Assistance Grant funds support all components of the criminal justice system. The disparate jurisdictions consisting of Cass Sheriff's Office and the Fargo and West Fargo Police Departments will use funds for proactive crime reduction efforts and several equipment purchases including squad cars.	607,168	0.82	181,078
GRAND FORKS, CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	360,436	2	88,717
GRAND FORKS, CITY OF	City	FY09 Recovery Act Edward Byrne Memorial Justice Assistance Grant Program Local Solicitation	261,710	0	151,901
HARVEY, CITY OF	City	The City is upgrading the water system by removing and replacing deteriorated cast-iron water mains and lead services. This will also include replacing and added additional hydrants adjacent to the new water main and upsizing existing water mains to meet fire flow protection requirements.	1,430,000	19.84	258,535
JAMESTOWN, CITY OF INC	City	Recovery Act Edward Byrne Memorial Justice Assistance Grant (JAG)	89,854	0	5,144
JAMESTOWN, CITY OF INC	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	149,693	0	11,780
JAMESTOWN, CITY OF INC	City	Energy Efficiency and Renewable Energy Block Grant	64,100	0	-
KULM, CITY OF	City	The City is replacing existing sanitary sewer piping and a sanitary sewer lift station. Sanitary sewer service piping will be replaced to the property lines. Sidewalks, pavement and curb and gutter removed due to the sanitary sewer construction will be replaced.	1,297,000	4.34	914,220
LEONARD, CITY OF	City	The City is upgrading their existing sanitary sewer system by removing and replacing or relining deteriorated clay sewer mains. This will also include replacing the existing services lines to adjacent properties. All work will be completed on City owned right-of-way. This grant (ND-00-02) is also part of a funding package with a loan (ND-92-01) and once all the loan money is received the project will continue using the grant funds.	663,000	0	-
MANDAN, CITY OF	City	(89-0331 2009 \ 2010) Energy Efficiency and Renewable Energy - Recovery Act	72,500	0	-
MAYVILLE, CITY OF	City	FUNDS TO BE USED FOR WATER TREATMENT PLANT UPDATES AND CHANGE THE CITY OF MAYVILLE'S WATER SOURCE FROM SURFACE TO GROUND WATER FOR BETTER QUALITY FOR THE RESIDENTS OF MAYVILLE	1,936,860	0	-
MINOT, CITY OF (INC)	City	FY2009 Recovery Act JAG Program to purchase law enforcement equipment for the purpose of increasing public safety.	236,412	0	213,938
MINOT, CITY OF (INC)	City	The project has two parts. Part one would be to update the signal cabinet equipment at three intersections to include new controllers and video detection. The second part would be the installation of broadband radio's at the intersections and intermediate sites to allow a direct connection between the intersections and the traffic operations center.	154,400	0	-
OAKES, CITY OF	City	The City is upgrading their existing water system and sanitary sewer system by removing and replacing deteriorated cast-iron water mains and clay sewer mains. This will also include replacing the existing services lines to adjacent properties. All work will be completed on City owned right-of-way.	2,200,000	3	1,070,178
OAKES, CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	179,114	1	32,820
TIOGA, CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	128,489	0.1	-
WAHPETON, CITY OF	City	RECOVERY ACT-ENERGY EFFICIENCY & CONSERVATION BLOCK GRANT PROGRAM	50,000	0	-
WAHPETON, CITY OF	City	Recovery Act JAG Program	48,853	0	48,173
WEST FARGO CITY OF	City	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officer in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts	388,256	0	24,906

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
WEST FARGO CITY OF	City	Energy Environmental Conservation Block Grant	91,500	0	91,500
WILLISTON, CITY OF	City	Joint Williston PD and Williams County S.O. Safety Award	40,129	0	40,004
WILLISTON, CITY OF	City	Recovery Act - Energy Efficiency and Conservation Block Grant Program	53,400	0	-
ZEELAND, CITY OF	City	ZEELAND WATER MAIN REPLACEMENT PROJECT THAT WILL PARTIALLY FUND THE DESIGN AND CONSTRUCTION OF THE WATER MAIN REPLACEMENT IN THE CITY OF ZEELAND THAT SERVES USERS IN THE CITY OF ZEELAND	230,000	5	44,291
BARNES, COUNTY OF	County	Energy Block Grant	50,000	0	-
CASS, COUNTY OF	County	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.	388,390	2	56,069
GRIGGS, COUNTY OF	County	'The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.'	141,486	1	6,789
KIDDER, COUNTY OF	County	The COPS Hiring Recovery Program(CHRP)provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts	140,172	1	44,801
MCHEERY, COUNTY OF	County	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts	142,411	0	-
MCKENZIE COUNTY OF	County	Mckenzie County Rural Water System II Phase II Improvements/Expansion Project which will partially fund the design and construction of a new water distribution system consisting of distribution pipelines, storage reservoir and booster stations to serve users in Eastern McKenzie County.	4,815,000	30	270,257
MERCER, COUNTY OF	County	The purpose of the Mercer McLean County Narcotics Task Force project is to reduce the number of drug users and drug traffickers through the enhanced investigations.	787,499	5	303,011
MORTON, COUNTY OF	County	To purchase and update firearms equipment, to purchase crime prevention equipment, to purchase mobile communication equipment and to purchase and enhance courtroom security.	110,790	0	-
RAMSEY, COUNTY OF	County	The Ramsey County Courthouse project is to increase energy efficiency and reduce energy consumption. The project is in three parts.	50,000	0.07	50,000
ROLETTE, COUNTY OF	County	EE Conservation Block Grant Program - Window Replacement	58,500	0.73	58,500
STARK, COUNTY OF	County	The COPS hiring recovery	192,165	1	7,025
WARD, COUNTY OF	County	The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs and increase their community policing capacity and crime prevention efforts.	162,844	1	23,749
ALMONT RURAL FIRE DISTRICT	Fire	CF Grant - funds will be used to construct new fire hall building for Almont Rural Fire District	84,570	0	-
FARGO HOUSING AND REDEVELOPMENT AUTHORITY	Housing	Accessible Improvements at New Horizons Manor, to replace 79 ADA wall mounted ovens. To install 79 ADA Living Unit Auto Door Opener Equipment. To rehab Wellness Center & Handi-Wheels Ride Service Office.	218,137	0.43	157,356
FARGO HOUSING AND REDEVELOPMENT AUTHORITY	Housing	To reduce energy and water consumption in the 14-3 Scattered Site Living Units with water saving low toilets & low flow shower heads, energy saving lighting improvements, high efficiency furnaces and weatherization improvements as storm & entry doors (at selected units)and energy star windows in the 2 and 4 bedroom Units.	330,946	1.32	105,470
FARGO HOUSING AND REDEVELOPMENT AUTHORITY	Housing	To reduce energy and water consumption in the 14-4, 14-5 and 14-7 Scattered Site Living Units with water saving low toilets, low flow shower heads, energy star lighting, high efficiency furnaces, energy star windows, and weatherization improvements as energy star windows in the 14-7 Project, foundation insulation & metal wrap in the 14-7 Bi-Level Units, and storm & entry doors in selected units in the three Projects.	408,833	2.81	186,435
HOUSING AUTHORITY BARNES CNTY	Housing	The Barnes County Housing Authority is implementing the following activities using Capital Funds Recovery Act funding: 40 units of the Barnes County Housing Authority (ND0220000001) public housing development are being rehabilitated.	77,245	2	73,187
MINOT HOUSING AUTHORITY	Housing	The funds will be used to replace our windows on the west side of our high-rise. There will be 240 windows replaced using these funds. Existing windows are over 30 years old. New windows will be more energy efficient as they will have tinted glass, low e, and argon filled. Windows will be manufactured over the winter months. Install of new windows will begin approximately March 15, 2010 and will be concluded August 30, 2010, at which time all funds will be expended.	482,998	3	482,988

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NELSON COUNTY HOUSING AUTHORITY	Housing	Siding and insulation wrap	49,504	2	49,504
RAMSEY COUNTY HOUSING AUTHORITY	Housing	RCHA IS A NON-PROFIT ENTITY WHICH IS USING THE ARRA GRANT MONEY TO IMPROVE APARTMENT BUILDINGS. RECEIVING THE ARRA FUNDS HAS ALLOWED RCHA TO COMPLETE SEVERAL WORK PROJECTS SCHEDULED IN THE 5 YEAR PLAN, BUT PROJECTS HAVE BEEN COMPLETED EARLIER.	151,260	1	68,618
ROLETTE COUNTY HOUSING AUTHORITY INC	Housing	2009 upgrades-One bdrm conversion & replacement project	116,341	2.68	104,001
STANDING ROCK HOUSING LOCAL DEVELOPMENT CO	Housing	Renovation Native Homes	1,994,486	20	872,076
WILLISTON HOUSING AUTHORITY	Housing	Public Housing Capital Fund Stimulus (Formula) Recovery Act Funds	215,228	0.5	215,228
ABUSED ADULT RESOURCE CENTER INC	Nonprofit	This project will allow the Abused Adult Resource Center to further assist victims of domestic violence, dating violence, stalking and sexual assault in locating and securing permanent housing as well as integrating into their communities.	397,814	2.1	54,394
COAL COUNTRY COMMUNITY HEALTH CENTER	Nonprofit	ARRA-Increase Services to Health Centers. Increase staff in the areas of Mental/Behavioral Health, Information Technology, and Support Staff (Billing and Reception).	147,421	4.24	147,421
COAL COUNTRY COMMUNITY HEALTH CENTER	Nonprofit	ARRA-Capital Improvement Program. Implementation of EHS - Practice Management/ Electronic Health Record and Radiology Advancements. This award provides for ARRA Cost of Living Adjustment (COLA), and Quality Improvement Funding consistent with the provisions of Section 640(a)(5) of the Head Start Act for the Head Start program. Head Start promotes the school readiness of low-income children through the provision of comprehensive health, developmental and family services.	453,805	0	453,805
COMMUNITY ACTION PARTNERSHIP	Nonprofit	This award provides for ARRA Early Head Start Expansion funded to serve 72 children. The Early Head Start program provides family-centered services for low-income families with very young children (pre-birth to 3) to promote the healthy development of children and families. Our program options include home based services which meets the needs of a portion of our population. A center based program option is being planned to meet the needs of the working families.	926,179	1	35,000
COMMUNITY ACTION VI	Nonprofit	This award provides for ARRA Cost of Living Adjustment (COLA), and Quality Improvement Funding consistent with the provisions of Section 640(a)(5) of the Head Start Act for the Head Start and/or Early Head Start program. Head Start promotes the school readiness of low-income children through the provision of comprehensive health, developmental and family services.	123,734	0	123,734
CONSOLIDATED ENTERPRISES, INC.	Nonprofit	This Project is a Fiber to the Home (FTTH) buildout to the rural areas surrounding the communities of Dickinson and Belfield North Dakota. We will pass 1,421 households, our goal is to reach 70% penetration or a total of 995 broadband customers. By deploying FTTH we anticipate providing up to 100mbps to each customer	5,782,361	0.65	-
DAKOTA CENTER FOR INDEPENDENT LIVING	Nonprofit	A DISCRETIONARY GRANT PROGRAM THAT FUNDS CENTERS FOR INDEPENDENT LIVING AS PART OF A STATEWIDE NETWORK OF CENTERS THAT ARE CONSUMER-CONTROLLED, COMMUNITY-BASED, CROSS-DISABILITY, NONRESIDENTIAL PRIVATE NONPROFIT AGENCIES THAT ARE DESIGNED AND OPERATED WITHIN A LOCAL COMMUNITY BY INDIVIDUALS WITH DISABILITIES, AND THAT PROVIDE AN ARRAY OF INDEPENDENT LIVING SERVICES, INCLUDING CORE SERVICES OF INDEPENDENT LIVING SKILLS, INFORMATION AND REFERRAL, PEER COUNSELING, AND INDIVIDUAL AND SYSTEMS ADVOCACY.	98,363	0	-
FREEDOM RESOURCE CENTER FOR INDEPENDENT LIVING	Nonprofit	A discretionary grant program that funds centers for independent living as part of a statewide network of centers that are consumer-controlled, community-based, cross-disability, nonresidential private nonprofit agencies that are designed and operated within a local community by individuals with disabilities; and that provide and array of independent living services, including the core services of independent living skills, information and referral, peer counseling, and individual and system advocacy.	87,852	0	-
HEADSTART	Nonprofit	Head Start Quality Improvement and COLA	141,275	0	141,275

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
EHS ARRA Expansion 085A0046/01 1944448.00 3/1/2010 to 9/29/2010 This award provides for ARRA Early Head Start Expansion Start-up and program services to 16 enrollees. 085A0046/02 223000.00 9/30/2010 to 9/29/2011. This award provides for ARRA Early Head Start Expansion services to 16 enrollees. The Early Head Start program provides family-centered services to low-income qualified families with very young children (pre-birth to 3) to promote the healthy development of the children and families. Our program options include home base services and family child care services appropriate to the needs of our population.					
HEADSTART	Nonprofit		417,448	5	194,448
IMPACT FOUNDATION	Nonprofit	Native American Business Relocation Grant	181,000	2	15,640
LAKE AGASSIZ REGIONAL DEVELOPMENT CORP	Nonprofit	Microloan Technical Assistance Grant (ARRA)	244,755	1	68,142
NORTH DAKOTA COMMUNITY ACTION ASSOCIATION	Nonprofit	CSBG Capacity Building and Strategic Planning and Coordination supported by the ARRA of 2009	160,000	0	74,515
Prime Recipient will utilize funding from the Recovery Act State Coalitions grant program to promote economic recovery and stability in the local community and in the Coalition's infrastructure. By hiring and retaining new personnel- a part time Economic Justice and Leadership Development Coordinator, a full time Training Coordinator (partially funded by Coalition OVW recovery funds), and a full time Sexual Assault Program Assistant (partially funded by Coalition OVW recovery funds)- we will increase new job growth in our community as well as our ability to support the Coalition's domestic violence and sexual assault purposes and activities, particularly those that current funding might otherwise not be able to support. These positions will also aid in the planning, monitoring, and reporting purposes and activities under this grant as well as other sexual assault, economic justice, leadership development, and training related Coalition activities, promoting the Prime Recipients maintenance of its programmatic goals and objectives. Through the Recovery Act State Coalitions program grant, the Prime Recipient will assist North Dakota communities and local domestic violence and rape crisis centers impacted by the recession by promoting the minimization of reductions in sexual assault and domestic violence services and maximization of creative and effective collaborations and partnerships for sexual assault and domestic violence services sustainability and enhancement.					
NORTH DAKOTA COUNCIL ON ABUSED	Nonprofit		156,250	1.5	82,500
NORTH DAKOTA MUSEUM OF ART	Nonprofit	To support the preservation of jobs that are threatened by declines in philanthropic and other support during the current economic downturn.	50,000	0	50,000
The purpose of this award is to implement a practice management system that will give use the capabilities to cumulate and track data for improved quality of care and to provide for quantifiable reporting of clinical measures and patient progress outcomes. It also provides for new equipment that will allow us to provide quality healthcare services to all patients regardless of their ability to pay. In addition, the award provides for a remodel project at one of our clinic sites that improves patient access and workflow. It will allow us to update wiring in the building and run data lines in preparation for EMR.					
NORTHLAND HEALTH PARTNERS COMMUNITY	Nonprofit		323,990	0.13	323,990
NORTHLAND HEALTH PARTNERS COMMUNITY	Nonprofit	The purpose of this award is to expand access to primary and preventative healthcare to an underserved area and our target population through increased outreach and marketing efforts.	120,182	0.25	86,073
A discretionary grant program that funds centers for independent living as part of a statewide network of centers that are consumer-controlled, community-based, cross-disability, nonresidential private nonprofit agencies that are designed and operated within a local community by individuals with disabilities; and that provide an array of independent living services, including the core services of independent living skills, information and referral, peer counseling, and individual and systems advocacy.					
OPTIONS INTERSTATE RESOURCE CENTER FOR INDEPENDENT LIVING INC	Nonprofit		80,845	0	-
S E N DAKOTA COMMUNITY ACTION AGENCY	Nonprofit	Head Start 2009 ARRA COLA Quality Improvement Funding	200,930	0.8	200,930
VALLEY COMMUNITY HEALTH CENTERS	Nonprofit	ARRA - Capital Improvement Program	443,375	0	225,491
VALLEY COMMUNITY HEALTH CENTERS	Nonprofit	ARRA-Increased Services to Health Centers. Expand access to needed primary healthcare services specifically by adding enabling services at the dental clinic and a medical clinic case manager.	149,616	1.21	108,963

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
BEK COMMUNICATIONS COOPERATIVE	Private	BEK's proposed FTTP (fiber-to-the-premise) project will provide broadband services to the underserved households, businesses, and community anchor institutions in rural Burleigh County. This project will aid business growth, public safety and quality of life for rural Burleigh County. BEK provides broadband service today near the project area where 53% take-rate for broadband has been achieved and where 22% of end users derive household income from using the Internet. BEK will work to duplicate these successes in the proposed project area.	1,986,473	2.6	534,824
BERT & LYLE JOHNSON A JOINT VENTURE	Private	EMERGENCY WATERSHED PROTECTION-FLOOD PLAIN EASEMENT PROGRAM	115,432	0	108,744
BERT & LYLE JOHNSON A JOINT VENTURE	Private	EMERGENCY WATERSHED PROTECTION - FLOOD PLAIN EASEMENT PROGRAM	261,043	0	244,283
BERT & LYLE JOHNSON A JOINT VENTURE	Private	EMERGENCY WATERSHED PROTECTION- FLOODPLAIN EASEMENT PROGRAM	725,321	0	-
DAKOTA CENTRAL TELECOM I, INC.	Private	A grant to provide broadband services to the remote rural areas of Streeter and Gackle North Dakota.	2,252,250	14	750,000
DCN, LLC	Private	DCN's Critical Community Infrastructure Broadband Project: North Dakota's underserved critical community anchors and public safety entities lack access to high speed broadband connections due to the state's primarily rural population. As a 60% rural state, it is imperative for ND to have a statewide broadband system to enhance service offerings of critical community anchors, public safety entities, government agencies and all levels of academia. DCN's Critical Community Infrastructure Broadband Project will connect all of these groups with an enhanced broadband network, to create the foundation to spur economic development, empower impoverished regions of the state, create living wage jobs, and enhance quality of life. DCN will do this by upgrading broadband infrastructure with an Ethernet Core to overcome limitations of copper facilities. DCN's project focuses on backbone transport and connecting critical community anchors and public safety entities in the proposed funded service areas that are spread across ND in 80 areas consisting of 48 communities, five unincorporated areas and 27 rural locations. Of these 80 areas only four have a population over 20,000 according to the 2000 Census data. The remaining 76 areas are rural and vastly underserved. DCN has formed partnerships with 17 entities to provide 582 North Dakota critical community anchor institutions with access to broadband service, including 33 public safety entities and 177 critical community facilities. Collectively, DCN and its project partners already connect with fiber 296 critical community facilities including 93 schools, four libraries, 93 Medical or Healthcare providers, 27 public safety entities, five community colleges, nine other institutions of higher education and 65 other government facilities. Additionally, 109 critical community facilities are connected through DCN's project supporters including 19 schools, two libraries, 51 medical or healthcare providers, 14 public safety entities, two other institutions of higher education, and 21 other government facilities. With BTOP funding, DCN will be able to economically upgrade 99 critical community facilities and pass an additional 78 critical community facilities for a total 177 critical community facilities passed.	10,781,157	0	-
EASTERN DAKOTA HOUSING ALLIANCE, INC.	Private	Eastern Dakota Housing Alliance (EDHA) will use these funds to provide loan financing that may be more flexible than other sources and to leverage resources for financially feasible affordable housing. Financing capital will make loans available for rehabilitation or for new construction. EDHA's service area is the 25 counties of eastern North Dakota, largely rural communities, with a mission to foster the development and preservation of affordable housing. Affordable housing loans generally must target households at or below 80% of median income in rural areas. Loans in urban areas may serve mixed-incomes up to 120%. By December 31, 2010, \$150,000 will be deployed within the service area, by December 31, 2011, \$300,000 will be deployed.	600,000	0	600,000
GRIGGS COUNTY TELEPHONE CO	Private	Griggs County Telephone and Moore & Liberty Telephone last-mile broadband project will use Fiber-to-the-Home (FTTH) technology to bring affordable and reliable broadband access and video services to underserved and unserved rural areas in eastern North Dakota. Griggs County Telephone and Moore & Liberty Telephone will build fiber facilities to 1,787 households, 406 businesses and 17 critical community entities for a total of 2,210 premises passed in communities in and around Enderlin, Sharon, Glenfield, Sheldon, Finley, McHenry and rural areas of Cooperstown, and Binford. High-speed broadband services and more extensive video services will enhance the quality of life to Griggs County Telephone and Moore & Liberty Telephone subscribers, spur economic development in rural North Dakota, and improve services delivered by critical community and public safety entities. The goals of this system are to reach the unserved and increase capacity to the underserved at affordable rates. Griggs County Telephone and Moore & Liberty Telephone will achieve this by building fiber facilities capable of 100 Mbps and upgradeable to 1 Gbps in the near future to all premises including critical community entities and public safety entities.	16,572,031	2	-

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
HALSTAD TELEPHONE COMPANY	Private	Halstad Telephone Company will construct 283 miles of fiber optic cables and install the electronics to provide Fiberag™ to-the-Premise enhanced broadband services capable of 100 Megabit speed to approximately 430 unserved households and approximately 10 unserved businesses, enabling both internet and video applications to a geographic area of approximately 286 square miles located in all or portions of 12 townships in Trail County, North Dakota, and surrounding a main anchor community of Hillsboro, North Dakota. This area also includes three small non-census communities, each with under 20 households, with the remainder of households constituted as private domiciles on either working farm sites or individual tracts of rural (non-town) residential property.	2,027,600	17.82	4,875
HALSTAD TELEPHONE COMPANY	Private	Halstad Telephone Company will provide enhanced broadband services capable of 100 Megabit speed to approximately 700 underserved households and 100 underserved businesses, enabling both internet and video applications in the town of Hillsboro in extreme eastern Trail County, North Dakota.	246,500	2.17	593
HIT, INC.	Private	ARRA Cost of Living Adjustment (COLA), and Quality Improvement Funding consistent with the provisions of Section 640(a)(5) of the Head Start Act	88,069	2	88,069
INDEPENDENCE INC	Private	A discretionary grant program that funds centers for independent living as part of a statewide network of centers that are consumer-controlled, community-based, cross-disability, nonresidential private nonprofit agencies that are designed and operated within a local community by individuals with disabilities; and that provide and array of independent living services, including the core services of independent living skills, information and referral, peer counseling, and individual and systems advocacy.	83,297	0	-
INTER-COMMUNITY TELEPHONE COMPANY INC	Private	Inter-Community Telephone Co., LLC proposes a last mile fiber project in order to address broadband availability currently lacking in the communities of Hope, Sanborn, and Tower City, three small underserved rural communities in three separate counties of east central North Dakota. This proposed project includes improvement and connectivity for critical community facilities, municipal and public safety services, area schools and libraries and businesses all located within these three communities. The project will create 30-40 jobs providing positive impact to the economy in the proposed funded service areas.	1,625,362	0	-
NOVADIGM THERAPEUTICS, INC.	Private	Our Specific Aims are: 1. To establish Good Manufacturing Practice for the rAls3p-N vaccine candidate. GMP will be established by a contracting organization. Financing for GMP will occur over two calendar years. The GMP process will include technological transfer/ramp up, establishment of a master cell bank, completion of scale up, assay development, stability studies, and batch release characterization. A scientific advisory board will be established to provide experienced oversight/advice for this process, as well as for filing the IND (Specific Aim #4). 2. To complete pre-clinical toxicity studies in support of an IND application. Toxicity studies have been designed based upon FDA input, and their execution will be contracted to a qualified organization or company. Preliminary bids have been solicited. These and other bids will be ranked based on cost and experience of the organization. Completion of pre-clinical toxicity studies using GMP-compliant material and will be targeted for years one and two. 3. To develop high throughput assays to measure immunogenicity as surrogate markers for efficacy to be used in future clinical trials. The impact of rAls3p-N priming of human PBMCs on subsequent response to the protein will be determined. To determine the cell-based response, CD4+ T-helper cells from PBMCs will be tested for cytokine production. For humoral testing, we will measure anti-rAls3p-N human IgG and IgG3 ELISAs. These assays will be validated for subsequent use during the clinical trial by the end of the study period. 4. To finalize the current draft of a phase I clinical protocol and related documents to support an Investigational New Drug application. Prior to the end of the funding period, an IND application will be submitted in support of a phase I clinical trial to determine the safety and immunogenicity of the rAls3p-N vaccine. In support of the IND, a clinical protocol and investigator's brochure will be finalized, and other documents in support of the IND will be prepared. The IND will be submitted in the final year of funding. Completion of the proposed Phase II STTR plan will finalize pre-clinical testing of the rAls3p-N, anti-candidal vaccine, and will allow subsequent initiation of a phase I clinical trial to test the safety and immunogenicity of the vaccine in humans. Finally, we will identify humoral and cell-mediated immunological surrogate efficacy markers to lay the groundwork for immunological testing in humans in a phase Ib clinical trial. Completion of the proposed studies will lead to initiation of a phase Ib clinical trial to determine the safety and immunogenicity of the rAls3p-N vaccine.	1,989,750	3.06	489,209
RED RIVER RURAL TELEPHONE ASSN (INC)	Private	The award of \$4,544,219.00 will enable Red River Rural Telephone Association to install Fiber-to-the-Premise to 1,272 unserved and underserved customer locations in six rural exchanges served by Red River Rural Telephone Association in Ransom, Richland and Sargent counties of North Dakota, as well as Wilkin County in Minnesota and Roberts and Marshall counties in South Dakota. This project will place approximately 690 route miles of fiber optic cable to the proposed areas, bringing broadband capabilities up to 100 Mbps to customers who otherwise have relied on lesser quality services such as dial-up, wireless or satellite broadband services, all of which offer speeds below the required service level.	4,500,000	0	-

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
RESERVATION TELEPHONE COOPERATIVE	Private	Reservation Telephone Cooperative (RTC), headquartered in Parshall, North Dakota, is proposing a last-mile broadband project, using Fiber-to-the-Home (FTTH) technology, to bring affordable, reliable high-speed broadband access and video services to underserved rural areas in western North Dakota and eastern Montana in and around the Fort Berthold Indian Reservation, including the remote Squaw Gap exchange and the partially remote exchanges of Mandaree, New Town, Parshall and Roseglen. From its experience in deploying FTTH technology, RTC understands the tremendous value of high-speed broadband services and more extensive video services to enhance the quality of life of its subscribers, spur economic development, and improve services delivered by critical community and governmental institutions. In essence, RTC is seeking to deploy its FTTH network as rapidly and extensively as possible because the services provided over this network are so vital to the future of these rural communities. By implementing the proposed project, RTC can accelerate its deployment to ensure that even the least densely populated areas get these crucial services.	10,950,458	0	-
S R T COMMUNICATIONS INC	Private	A Fiber to the Premise (FTTP) project that will provide broadband services to the rural North Dakota Community (Exchange) of Metigoshe. This FTTP Project, utilizing fiber optic cable, will allow SRT to provide 20 Mbps and greater broadband service to each of the 665 households and businesses, simultaneously.	2,214,758	0	-
YWCA CASS CLAY	Private	The YWCA Cass Clay will use funds from the OVV Recovery Act Transitional Housing Grant to provide housing and supportive services to women and women with children who are domestic violence survivors to assist them in achieving independence. Supportive programs and services offered: one-on-one case management, education and employment programming, domestic violence counseling, transportation assistance, childcare assistance, non-covered medical expenses, referrals to other supportive agencies, and household supplies and furnishings.	301,208	1.1	53,200
BISMARCK PUBLIC SCHOOLS	School	ARRA COLA abd Quality Improvement funding consistent with the provisions of Section 640 (a) (5) of the Head Start Act.	112,766	0	112,265
BISMARCK STATE COLLEGE	School	Smart Grid Simulation Laboratory (Gridlab) - This DOE sponsored program is designed to implement a comprehensive, flexible, and easily accessible smart grid laboratory, for both on campus and online training delivery. Gridlab will not only be a unique platform to demonstrate smart technology, but also a complete microcosmic Smart Grid which includes home and industrial loads, distributed and renewable generation, and advanced communication and control systems.	728,060	0	-
DUNSEITH SCHOOL DISTRICT	School	School Construction	91,861	0	91,861
FORT TOTTEN SCHOOL DISTRICT 30	School	The funds provided in this grant award must be used for school construction activities	41,334	0	41,334
GRAND FORKS PUBLIC SCHOOL DISTRICT BUILDING AUTHORITY	School	Construction - Impact Aid School Construction Formula Grants	219,009	0	219,009
GRAND FORKS PUBLIC SCHOOL DISTRICT BUILDING AUTHORITY	School	This action awards a cost-of-living adjustment (COLA) increase of 1.84% for Head Start. This action also awards quality improvement funds for Head Start. The monies will be used to replace classroom carpets in all Head Start classrooms and to purchase a Ten Sound System with pendant transmitters and ceiling speakers for children who have hearing disabilities for all Head Start classrooms.	170,238	0	170,238
MANDAREE SCHOOL DISTRICT 36	School	Improve teaching and learning for students most at risk of failing to meet State academic standards	301,700	0	301,600
MAYVILLE STATE UNIVERSITY	School	Mayville State University requested ARRA funding in accordance with PI-HS-09-06 to provide salary and fringe benefit increases to all program staff. Recent wage comparability studies indicated teaching staff were on the lower end of the scale. While lower salaries are evident, the program does provide a 100% employer paid comprehensive benefit package including family health insurance, sick and vacation leave, 9.12% retirement, university course waivers, and more. The ARRA funds will be used to fund the increases to the health insurance package and staff salaries.	71,378	0	68,800

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
MAYVILLE STATE UNIVERSITY	School	ARRA-Early Head Start Expansion The MSU Child Development Programs proposes to expand its current service area nad to serve 56 infants, toddlers and pregnant women within the city limits of Grand Forks, the only unserved area in Grand Forks County, North Dakota. The program has a positive record of providing early, continuous, and comprehensive child and family services including Head Start, Early Head Start, collaborative Pre-K, and Childcare. The Program also serves as a University Lab Site for early childhood education students, therefore, must maintain consistent, up to date, research based programming. The Program's overarching outcomes is to empower parents to be advocates and partners for their children and their education starting at birth.	1,445,476	9.07	100,775
MINNEWAUKAN SCHOOL DISTRICT 5	School	School Construction	52,740	2	52,240
MINOT A F B SCHOOL DISTRICT 160	School	School Construction	393,237	0.4	393,237
MINOT PUBLIC SCHOOL DISTRICT 1	School	Head Start 2009 ARRA COLA Quality Improvement Funding	205,337	1.5	205,337
MINOT PUBLIC SCHOOL DISTRICT 1	School	Mid-Dakota Education Cooperative/Minot PSD was awarded a National Clean Diesel Funding Assistance grant to fund an emissions control solution for buses in 9 North Dakota school districts and will partially pay for the replacement of 9 school buses and will fully pay for the installation of 66 fuel-operated heaters. The general purpose of the grant is to reduce diesel emissions and improve air quality.	442,522	1	442,522
NEW TOWN PUBLIC SCHOOL DISTRICT	School	School Construction	107,798	14	107,798
NORTH DAKOTA STATE UNIVERSITY	School	Strong emotional reactions to minor provocations can be detrimental to the psychological and physical health of individuals and those around them. The psychology literature has shown that such strong reactions are not characteristic of all individuals and that people differ substantially in the extent to which they experience anger when provoked. Yet, why individuals differ in reactivity to provocation has been insufficiently studied. The project proposes that some individuals react strongly to minor provocations because they lose their ability to control their attention, thoughts, and behaviors under such circumstances. The loss of such abilities, in turn, renders these individuals vulnerable to impulsive and short-sighted actions such as attempting to harm someone who is not blameworthy. An experimental approach will be used to examine the mechanisms underlying reactivity effects of this type. Provocation will be induced by the presentation of aversive noise or exposure to film clips previously shown to arouse moderate levels of anger (versus neutral, non-provocation conditions). Subsequently, abilities to control attention, thoughts, and behaviors will be assessed using well-validated cognitive tasks. It is hypothesized that individuals generally predisposed to react with anger will exhibit deficits in controlling attention, thoughts, and behaviors following provocation. Further, deficits of this type should predict aggressive behavior in the laboratory, daily life, and also higher levels of blood pressure in response to stressful inductions. Overall, the project seeks to determine exactly how and why some individuals appear to lose their psychological self-control when provoked. In part, the significance of this work comes from the role that anger plays in violent crimes, the harm it creates in social relationships (including marital and parental ones), and its other effects (e.g., risk for cardiovascular disease). Given the emphasis on the mechanisms behind these detrimental effects, the results should be of considerable utility in developing scientifically sound anger-management efforts that directly target the pathways by which these individuals lose their self-control when provoked. For example, to the extent that these highly reactive individuals exhibit particular deficits in controlling attention following provocation, interventions seeking to improve the control of attention should be efficacious in promoting effective anger-control. Moreover, while the project focuses on difficulties in controlling anger, this work has implications for other problems that are related to issues of self-control and lead to disruptions of personal and social functioning.	428,271	0.68	69,002

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NORTH DAKOTA STATE UNIVERSITY	School	Collaborative Research: Tribologically Durable UHMWPE Nanocomposites for Total Joint Replacements: Nano-mechanics and Bio-tribological Modeling. This award is funded under the American Recovery and Reinvestment Act of 2009 (Public Law 111-5). The research objective of this project is to study the nano-mechanics and bio-tribology aspects of graphitic UHMWPE nanocomposites for total joint replacements, and to establish models for the design of tribologically durable materials that can provide longer life expectancy for prosthetic implants. The conventional method for increasing wear resistance of UHMWPE components of total joint replacements is crosslinking UHMWPE material by irradiation followed by re-melting. These methods have resulted in severe problems such as reduced fatigue strength and toughness, as well as the generation of wear debris in the most biologically active size range, raising concerns of osteolysis, bone resorption, and implant loosening. This project aims at solving those problems through studies of nano-mechanics and bio-tribological modeling for durable UHMWPE nanocomposites reinforced by newly developed graphitic nanomaterials. This research will result in a new design methodology for polymer materials used in artificial joints, and thus lead to optimal UHMWPE nanocomposites and dramatically extended life expectancy for total joint replacements. If successful, the results of this project will provide a base for design and development of tribologically durable UHMWPE materials that can lead to longer life spans for a variety of artificial joints to meet a wide range of patient needs. This research will benefit and contribute to bio-engineering, nanotechnology, materials science, health care system capability, and our society at large. It will also contribute to multi-level education in both ND and WA states. This project will directly involve both undergraduate and graduate students, and will also lead to new lectures for course development in both universities. Native American tribal college students, woman and minority students will benefit from this research through summer workshops	207,650	0.42	34,920
NORTH DAKOTA STATE UNIVERSITY	School	This project from North Dakota State University aims for acquisition of a remotely operable analytical field-emission scanning electron microscope (FE-SEM) with energy-dispersive X-ray spectrometry, along with specimen preparation equipment. These instruments for shared use will support state-of-the-art imaging and microanalysis, as well as research training, classroom education, and outreach. The NDSU Electron Microscopy Center is a multidisciplinary multi-user facility. The current SEMs at the center are not FE instruments and thus have limited application in several material systems. A FE instrument will allow high resolution imaging at lower voltages suitable for such material systems. Versatile high-resolution SEM imaging and microanalysis are essential to support current research in areas including medicinal chemistry, nanomaterials, nanocomposites, polymeric coatings, biomaterials, tissue engineering, environmental engineering, and also biological materials such as soft and hard tissues. Remote operation will benefit the largest possible number of scientists and potential scientists. The proposed equipment will also be a much-needed resource for NDSU's new PhD program in Materials and Nanotechnology. The FE SEM will also support local and regional industries. The FE SEM will provide hands-on experience to broaden opportunities for research, training, and outreach for faculty, graduate students, and undergraduates from NDSU and other area colleges, and K-12 teachers and students. The proposed instrumentation will strengthen participation in North Dakota's EPSCoR NATURE (Nurturing American Tribal Undergraduate Research and Education) initiative, an effort with the state's five tribal colleges designed to increase interest in science, technology, engineering, and mathematics among Native American high-school students.	566,997	0	105,228

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NORTH DAKOTA STATE UNIVERSITY	School	DESCRIPTION (provided by applicant): Project Summary Muscle wasting syndrome and cachexia are associated with many degenerative diseases, like cancer, AIDS, and other systemic diseases. Muscular atrophy is primarily a result of increased protein degradation in the muscle cells. Muscle satellite cells provide nuclei for post-natal growth and are involved in repair and regeneration of muscle tissue following injury or disease. Activation of satellite cells in response to injury is known to occur to aid in muscle regeneration. In severe states of cancer-related cachexia and age-related wasting, muscle regeneration does not appear to be active. It is unclear why satellite cells in these states are not activated, and it is unclear if these cells possess the ability to replenish during severe atrophy. Unlike conventional mammalian models, several fish species, including the giant danio (<i>Danio aequipinnatus</i>), exhibit an interesting growth type, indeterminate growth, which allows them to recruit new developing muscle fibers from satellite cell populations throughout their lives. This growth physiology phenotype serves as a powerful comparative model system for understanding the activation and proliferation of satellite cells under several conditions. Therefore, it is the long-term goal of the PI to employ the giant danio as a comparative model organism to investigate molecular, hormonal, and physiological characteristics of satellite cells in determinate and indeterminate growth models following trauma or injury. This proposal begins to address this goal by first characterizing the ability, extent, and target molecular aspects of giant danio satellite cells activation following injury. This proposal will investigate specific regulatory pathways uncharacterized in indeterminate growth regulation and injury response (Specific Aim 1) and to identify novel pathways specific to injury response in indeterminate growth using a global approach (Specific Aim 2). The comparative muscle growth culture system is advantageous for prevention, treatment, and design of new therapeutic techniques for muscle trauma and disease states like cachexia and sarcopenia, as it takes advantage of a 'normal' physiological state in an indeterminate model. This approach will be utilized for the identification of early genetic and/or biological markers for muscle disease and even muscle metabolic dysfunction. Thus, the main objectives of the proposed work are to characterize novel pathways in indeterminate muscle growth regulation to identify target pathways of satellite cell activation in indeterminate growth. PUBLIC HEALTH RELEVANCE: Project Narrative Understanding muscle cell growth regulation, regeneration and repair is imperative to developing new preventative and therapeutic strategies for combating muscle wasting syndromes associated with many degenerative diseases. This project is intended to utilize a novel, powerful, comparative muscle growth technique that will allow us to characterize novel pathways regulating muscle cell regeneration by taking advantage of a genetic model exhibiting indeterminate growth. This comparative approach will also give new insight into the regulation of continuous muscle growth seen in non-mammalian models that can be carried over into the mammalian model to test novel prevention and therapy strategies.	143,500	0.67	70,661
NORTH DAKOTA STATE UNIVERSITY	School	The goal of the parent grant is to establish a Center for Visual and Cognitive Neuroscience at North Dakota State University. Emerging from the Center projects is a translational and collaborative project that aims to determine whether training on attention-demanding video games improves older adults' cognitive abilities, everyday functioning, and well-being. Recent research indicates that playing action video games (for as little as 10 hours) enhances younger adults' performance on multiple aspects of attention. The advantage to videogames as a cognitive training tool is that immediate feedback, tailored difficulty levels, and entertaining interfaces can motivate learning and perseverance. An important outcome variable for the proposed project is the transfer of enhanced attention skills to everyday functioning. Four health-related outcomes will be assessed: driving performance (as assessed using driving simulation), instrumental activities of daily living (IADLs), health-related quality of life, and well-being (life satisfaction). In a pretest-posttest single-blind design, 150 older adults (60-80 years of age) will be randomly assigned to video game training, attention training, or a wait-list control group. Participants in the video game conditions will play an attention-demanding action game or a motion game (e.g., bowling). Participants will complete 10 hours of training in multiple 1-hour sessions. Participants will be assessed immediately prior to and after training, and again at 2 and 6 months post-training. We predict that training with action video games will improve older adults' performance from pretest to posttest on multiple attention measures, will generalize to everyday functioning and well-being measures, and will be maintained beyond the training period. Improvements for the attention training group will be relatively specific to the trained attention task. The requested ARRA supplement will accelerate the pace of scientific research by quickly building the infrastructure necessary to complete the project in 2 years and will stimulate the economy by supporting efforts to hire new staff, retain current staff, and inject money into the local economy in the form of equipment purchases and participant compensation. Data collected during the first year will provide pilot data in support of a translational R01 grant application to the National Institute on Aging at NIH.	434,280	2.88	346,637

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NORTH DAKOTA STATE UNIVERSITY	School	The extent to which individuals are vigilant for, versus avoidant of, threatening information has been posited to play a major role in a variety of health outcomes. However, threat-related processing styles have not been adequately assessed in terms of what we now know about how the visual system processes threatening and non-threatening stimuli. An electrophysiological approach is adopted and the following aims are proposed: 1) to test the hypothesis that threatening images are differentially processed by the visual cortex 2) to resolve discrepancies between early visual processes favoring threatening images and later conscious identifications of the same images 3) to link individual differences in vigilance and avoidance, defined in brain-processing terms, to their hypothesized manifestations in personality, emotion, coping, and health A major goal of research on human aging is to generate knowledge that will facilitate the maintenance of functional independence in older adult populations. Sensory declines represent a broad category of normal age-related changes that can lead to diminished quality of life, loss of independence, and increased costs for society as a whole. One aspect of visual perception which appears to change with age relates to neural inhibition. Inhibitory mechanisms in visual processing are essential for normal visual perception at a variety of levels â€” from the subcortical center-surround interactions in receptive fields that enhance contrast and increase signal-to-noise ratios by redundancy removal, to the lateral interactions that give rise to the spatial and directional tuning properties of neurons in early visual cortical neurons, or finally to the extrastriate mechanisms of visuospatial attention that play a crucial role in permitting the selection of relevant environmental stimuli to the exclusion of task-irrelevant items. Two well-known visual illusions of brightness (Grating Induction) and contrast (Contrast-Contrast) are prima facie evidence of visual inhibition. We will utilize a powerful new paradigm, the quadrature-phase motion technique, to measure the magnitude of both luminance-based first-order (Grating Induction) and contrast-based second-order (Contrast-Contrast) inhibitory visual processes over a large range of spatial and temporal frequencies, at multiple retinal eccentricities, to assess age-related alterations in spatiotemporal inhibitory processing. We anticipate our findings to be translatable to a useful diagnostic clinical test to simply and efficiently assess the status of visual inhibitory processes across the lifespan. Data collected during the first year will provide pilot data in support of a translational R01 grant application to the National Institute on Aging or the National Eye Institute. The specific aims of the project are: 1) To compare and contrast the degree of inhibitory visual processing in two disparate age groups: young adults (18-30 years) and older adults (60-80 years); and 2) To use the data so obtained as the foundation for an R01 proposal to further explore the effects of aging on inhibitory visual processing, and to critically examine and evaluate the feasibility of developing the quadrature-phase motion paradigm into a clinicallyuseful diagnostic test to assess age-related changes in visual inhibitory processing.	172,157	0.84	158,977
NORTH DAKOTA STATE UNIVERSITY	School		203,332	0.46	195,202

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NORTH DAKOTA STATE UNIVERSITY	School	In the United States, 20.8 million people (7% of the population) suffer from diabetes. About 75% of all newly diagnosed cases of type 1 diabetes occurs in individuals younger than 18 years of age. Type 1 diabetes is a chronic autoimmune disease affecting 0.3% of world's population. It results from selective destruction of pancreatic 2-cells. The major goal of the proposed research is to develop a nanoparticulate gene delivery vector for highly efficient nuclear delivery of plasmid encoding interleukin-10 (IL-10) for prevention of type 1 diabetes. We hypothesize that the combination of cationic polymer and poly (lactide-co-glycolide) (PLGA) in the presence of a cationic surfactant will produce nanoparticles with high positive zeta potential that will facilitate efficient loading of negatively charged plasmid DNA encoding IL-10 gene on the surface; and the positively charged nanoparticles loaded with plasmid DNA are biocompatible and can efficiently transfect the cells and express the protein both in vitro and in vivo. To test our hypotheses, we plan to study the following specific aims: (1). To synthesize methacrylate copolymers using monomers, 2- dimethyl amino ethyl methacrylate (DMAEMA) and methylmethacrylate (MMA) with increasing molar ratio of DMAEMA. The copolymers will be characterized for weight average molecular weight by gel permeation 1 chromatography and number average molecular weight by H NMR. (2). To prepare cationic nanoparticles using a blend of cationic polymer and PLGA by double emulsion solvent evaporation technique, using cetyl trimethyl ammonium bromide as a cationic surfactant. The nanoparticles will be characterized for size, shape, charge density, plasmid loading efficiency, buffering ability, and structural integrity of plasmid DNA by dynamic light scattering, electron microscopy, zeta potential measurement, UV spectrophotometer, titrimetric, and gel electrophoresis, respectively. (3). To study the cellular internalization in Human Embryonic Kidney (HEK 293) cells by confocal microscopy, using cationic nanoparticles loaded with coumarin 6. in vitro transfection efficiency of cationic nanoparticles in HEK 293 cells will be studied, using a therapeutic plasmid encoding IL-10. The expression of and IL-10 will be quantified by enzyme-linked immunosorbent assay. (4). To evaluate in vitro and in vivo in mice biocompatibility of cationic nanoparticles, using an MTT assay and light microscopy, respectively. (5). To study the efficiency of cationic nanoparticles to deliver plasmid encoding Interleukin-10 in vivo in mice and its ability to prevent the onset of type 1 diabetes. The proposed study will contribute towards the development of a high efficiency and low toxicity non-viral gene delivery vehicle in order to deliver plasmid encoding IL-10 gene for prevention of type 1 diabetes. PUBLIC HEALTH RELEVANCE: Type 1 diabetes is a chronic autoimmune disease affecting 0.3% of world's population. It results from selective destruction of pancreatic 2-cells mediated by T lymphocytes which leads to gradual reduction in body's ability to produce insulin. The gene delivery vectors need special features to overcome extracellular and intracellular barriers, and ensure efficient DNA delivery to the nucleus. The use of cationic polymer and cationic surfactant will synergistically enhance the positive zeta potential of nanoparticles and their transfection efficiency. The study would be conducted in vitro and in vivo in animal model. The proposed study will contribute towards the development of a high efficiency and low toxicity non-viral gene delivery vehicle in order to deliver plasmid encoding IL-10 gene for prevention of type 1 diabetes.	143,500	0.64	54,294

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NORTH DAKOTA STATE UNIVERSITY	School	DESCRIPTION (provided by applicant): Intrauterine growth restriction is a significant cause of fetal and neonatal mortality and morbidity and is major health-related problems in the U.S. Growth-restricted infants that survive the neonatal period have an increased risk of lifelong complications, including a range of metabolic, neurological, and cardiovascular disorders. Epidemiological studies throughout the world support the concept of 'developmental programming' of cardiovascular disease by showing that the risks of developing disorders such as hypertension, stroke, and coronary heart disease are inversely related to birth weight. The mechanisms underlying the programming of cardiovascular diseases are poorly understood, but emerging evidence suggests that a poor nutrient supply at critical periods of early development leads to permanent alterations in vascular structure or function. The present application is aimed at beginning to address this issue in a mechanistic manner, and is centered on the general concept of endothelial dysfunction in coronary arteries. We hypothesize that compromised nutrition during fetal development may lead to permanent adverse changes in vascular function that increase the risk for cardiovascular disease later in life. More specifically, we propose that maternal nutrient restriction during pregnancy selectively impairs a novel endothelium- dependent, NO-independent (i.e. EDHF-like) vasodilator pathway that is mediated by activation of large conductance, calcium-activated K channels (BKCa) in fetal coronary arteries. We have set forth two specific aims that address our primary objective of determining the mechanism(s) whereby maternal nutrition during pregnancy alters endothelial regulation of coronary arterial tone. In Aim #1 we will identify the role of BKCa channels in mediating relaxation of fetal coronary arteries from animals that are well-nourished and undernourished in utero. This hypothesis will be directly addressed by determining BKCa channel gene and protein expression, BKCa channel activity, and vascular function in fetal coronary arteries. In Aim #2 we will establish whether maternal nutrient restriction during pregnancy results in dysfunction of the putative EDHF vasodilator pathway in the offspring. This hypothesis will be addressed by comparing endothelium- dependent vasodilator responses in coronary arteries from 6-month old animals that were well-nourished and undernourished in utero. BKCa channel gene and protein expression and BKCa channel activity will also be measured in these arteries. The results of these studies will establish whether the BKCa channels are defective in the fetuses and offspring or whether the EDHF system itself is compromised, and thus will give us clear future directions. The knowledge gained will provide key preliminary data that will put us in position to pursue more detailed, long-term mechanistic studies of the impact of fetal nutrition on cardiovascular function in health and disease. PUBLIC HEALTH RELEVANCE: Low birthweight babies have an increased risk of developing cardiovascular diseases later in life. Emerging evidence suggests that a poor nutrient supply at critical periods of early development leads to permanent alterations in blood vessel structure or function. This study will address potential mechanisms by which undernutrition during pregnancy impacts coronary arteries, and may serve as the basis for developing new strategies for preventing or reversing disorders such as hypertension and coronary artery disease.	143,500	0.21	53,941

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NORTH DAKOTA STATE UNIVERSITY	School	Recent genetic characterization of bacterial heme uptake and transport systems in <i>Pseudomonas aeruginosa</i> and <i>Shigella dysenteriae</i> have raised interesting questions regarding the functional details of heme binding, translocation, and release by the protein players, the heme-binding proteins (HBPs) and the heme-transport receptors (HTRs), in these processes. Many gram negative bacterial pathogens use the most abundant source of soluble iron, heme from their host, as a source of the iron essential to establish infection. However, heme is cytotoxic and must be highly sequestered throughout the course of uptake and transport. This requirement for protection against the toxicity of heme imposes two design criteria on the proteins involved in the process. The first is that, in order to protect the organism from the toxic effects of free heme, all heme:HBP and heme:HTR complexes must exhibit intrinsically high thermodynamic stabilities. Yet, facile transfer of heme between these proteins having high heme affinities must be possible. Thus the second design criterion is that it must be possible to modulate the high stabilities of the heme:HBPs and heme:HTRs through specific interactions with the partners to which they pass their cargo. The free energy of interaction between heme-loaded proteins and their targets must be transduced to impose driving force and kinetic lability on the transfer of heme from the donor to its target, i.e. effective direction of heme to HO for liberation of its iron can be viewed as being mechanistically driven. Work on bacterial assimilation of the iron from heme along with our recent biophysical characterization of some of the proteins involved suggests that the HBPs can be classified in three groups; those having anionic tyrosinate axial ligands, those having axial His ligands, and those having axial His and Met ligands. In this study, the HBPs and HTRs from <i>S. dysenteriae</i> and <i>P. aeruginosa</i> will be examined. Based on genetic studies, the proteins involved in heme uptake and transport have been identified. The general hypothesis to be addressed by this proposed study is that the aforementioned axial ligand environments correlate with distinct mechanisms for heme binding, transport, and release in the aforementioned organisms. We will identify contribution(s) from heme coordination chemistry to the stabilities of the heme:HBP and heme:HTR complexes. We will further investigate which of those contributions could be modulated by complexation of heme:HBP or heme:HTR with its target protein for heme transfer. The long-term goal of our work with heme uptake and transport proteins is to elucidate the mechanistic parameters that govern the specificity and efficacy of heme transfer. The relevance of this work to human health lies in the potential of the results to ultimately provide new inroads into treatment of bacterial infections. In this project, the means by which bacterial pathogens acquire heme from their hosts and assimilate the iron necessary to establish infection will be investigated at the level of molecular mechanism. The relevance of this work to human health lies in the potential for knowledge of heme uptake by bacterial pathogens to ultimately provide new inroads into treatment of bacterial infections.	38,000	0	38,000
NORTH DAKOTA STATE UNIVERSITY	School	The goal of the parent grant is to establish a Center for Visual and Cognitive Neuroscience (CVCN) at North Dakota State University. One of the CVCN laboratories, supporting the overall goals of CVCN, is the Object Recognition Lab led by Mark Brady. Work in this lab seeks to understand and model human object recognition mechanisms. CVCN has the facilities to employ a number of methodologies and the corresponding expertise to support object recognition research. We have considerable capabilities in the areas of ERP, psychophysics, photometrics, and computational simulation. However, one area of expertise that would be very useful but is lacking in CVCN is intracranial electrophysiology. Since our models of human behavior at the psychophysical level are meant to represent neural processing, it is most useful to measure such neural processing directly. For this reason, we are proposing to collaborate with Barrows Neurological Institute in Arizona and the Medical College of Georgia in order to gain expertise and experience in this important area. Mark Brady will visit each of these two institutions for a total of four weeks. The proposal also seeks to increase the partial employment of or add new positions for 6 individuals.	179,659	1.31	163,268

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NORTH DAKOTA STATE UNIVERSITY	School	The goal of the parent grant is to establish a Center for Visual and Cognitive Neuroscience at North Dakota State University. One Center initiative consists in a translational and collaborative project lead by Dr. StA©plane Rainville that aims to accelerate the pace of R & D for a safe, rapid, behavioral/non-invasive cost-saving diagnostic tool sensitive to early symptoms of neurological disorders such as multiple sclerosis (MS), Parkinson's disease (PD), schizophrenia, and Alzheimer's disease in which the temporal coherence of neural dynamics is compromised. Dr. Rainville's basic research program investigates causal links between neurophysiological and behavioral data as they pertain to the temporal correlation (TC) hypothesis & the fundamental concept that neurons synchronize their outputs to signal their inclusion into temporary cell assemblies required for particular computations. Dr. Rainville has already demonstrated the effectiveness of a 'two-probe' behavioral paradigm that, according to his computational models heavily rooted in neuronal physiology, is able to measure the behavioral correlate of synchronous neuronal outputs. Behavioral data from Rainville's laboratory match modeling predictions and are therefore extremely encouraging. Acquiring hands-on expertise in physiological data collection and analysis (as it relates to the TC hypothesis) is the critical missing link for validating the potential of the 'two-probe' paradigm as a quick, cheap, and easy diagnostic tool for neurological disorders involving a breakdown in the temporal coherence of neural signals. Indeed, the Itmus test for any neurocomputational model is to jointly predict physiological and behavioral outcomes. To accelerate the physiological component of Dr. Rainville's translational research, this project proposes to enable training opportunities with the laboratory of Dr. Charles Schroeder & a top scientist at the Nathan Kline Institute for Psychiatric Research in New York City & whose expertise lies chiefly in investigating the physiology of TC through electroencephalographic and single-cell methodologies. Dr. Schroeder has kindly agreed to train Dr. Rainville and his students in physiological measurement techniques (see letter of support), and both he and Dr. Rainville expect it to grow into collaborative efforts involving cross-fertilization and synergy between their shared ideas yet complementary methodologies for investigating TC and translating findings to clinical settings. This proposal also includes provisions for key staff retention and hiring, enhancement of career profiles, and expertise dissemination.	238,559	1.28	214,482
NORTH DAKOTA STATE UNIVERSITY	School	This Major Research Instrumentation-Recovery and Reinvestment (MRI-R2) award provides funds to support the acquisition of a Zeiss PALM MicroBeam IV Laser Microdissection Pressure Catapulting System (LMPCs) that enables and enhances life sciences research at North Dakota State University (NDSU). Research to answer basic science queries ranging from high-resolution gene mapping of polyploid species to the intricacies of biocompatibility between cells and engineered matrix will benefit from this acquisition. The new LMPCs system also improves the training of graduate students and postdoctoral associates through access to state-of-the-art technology. NDSU is a Land Grant institution that integrates research with education in an array of doctoral and Master's degree disciplines, including biology, biomaterials, cellular and molecular biology, microbiology, immunology, pathogenesis, pathology, physiology, reproduction, and others. Additionally, undergraduate and high school students are provided the opportunity to engage in research at NDSU, and will have access to the LMPCs. The microdissection technology lends itself to educational efforts and will be valuable for use in didactic laboratory courses, as well as demonstration in research theory courses and regional outreach workshops. Results from these studies will be disseminated by student and faculty presentations at regional and national meetings, and through publication in peer-reviewed journals.	500,667	0.25	376,425
NORTH DAKOTA STATE UNIVERSITY	School	Project Objective: The primary goal of this project will be to examine the possible development of protective coatings for the interior of process equipment and pipelines handling dSCCO2. There is some indication that handling of dSCCO2 may introduce here-to-for unanticipated corrosion in standard processing equipment and pipeline materials used for clean SCCO2. Project Description: This is a proposed study of specialty coatings development for use in co-sequestration processes and pipeline transport of dirty Supercritical CO2 (dSCCO2) fluids. Test methods appropriate to such property characterization under such conditions will be developed and extended to use with the NDSU Combinatorial Materials Science development laboratory. Synthesis and testing of polymers for physical properties appropriate to process and pipeline use in the co-sequestration system will be the preliminary task, then pigmentation of the candidate polymers for proper physical performance. Consideration will be given to appropriate exterior coatings systems as well as implantation of sensors within the coating systems. Potential impacts in lieu of being totally dependent on very expensive specialty steels for proper handling of dSCCO2, we are proposing the examination of the extension of protective coatings technology to possibly allow the use of more standard low cost process materials and pipeline steels. As the co-sequestration process matures and becomes a candidate for possible of large scale use for greenhouse gas control, providing the option for use of protective coatings for system safety and health and well as cost control may become very important.	298,949	2.13	98,385

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NORTH DAKOTA STATE UNIVERSITY	School	This collaborative proposal from the North Dakota State University and the University of South Dakota requests funds to purchase an automatic isothermal titration microcalorimeter (auto-ITC200 from MicroCal/GE Healthcare Biosciences) for Biomaterials research and education. The proposed instrument determines binding parameters (i.e., stoichiometry, association constant, enthalpy and entropy) in a single experiment, employing a very small sample size (5-10 g per experiment). The instrument determines binding constants in the range 10² - 10⁹ M⁻¹ and the limit can be further enhanced by employing competitive binding techniques. It is fully automated to run 50 samples per day. Currently, 10 faculty researchers (25 graduate and 20 undergraduate students) at NDSU and USD are studying the interactions of peptide nanofibers, lipid- and polymer-based nanoparticles with proteins, DNA fragments, aptamers and antibodies. Complete thermodynamic characterization of the binding is a critical need for all of these research projects. However, the only ITC available is located in the Biochemistry Department at NDSU and the instrument is more than 12 years old (VP ITC from MicroCal Inc., purchased in 1997) and the injection assembly is not communicating properly with the control computer. The instrument is inadequate to satisfy the needs of the growing numbers of Biomaterials researchers of the two universities. In addition, this instrument is not set-up as a cost-center and often the access is fairly restricted. The proposed auto-ITC200 instrument will ensure that the faculty researchers and their students at NDSU and USD have access to a state-of-the-art microcalorimeter. This will also impart appropriate training to the graduate and the undergraduate students at both universities. The proposed instrument will be set-up as a cost-center and the generated user fees will be used for maintenance and upgrade. To effectively share the instrument between NDSU and USD, cyber infrastructure-based protocol will be followed for time allocation, data processing and data retrieval using the North Dakota NSF EPSCoR supported, high-speed network connection.	351,764	0.33	218,620
NORTH DAKOTA STATE UNIVERSITY	School	The focus of this proposal is to investigate the molecular mechanisms governing Ikaros-mediated transcriptional regulation of vasoactive intestinal peptide receptor -1 (VPACR-1) in T lymphocytes. Ikaros is a master regulator of lymphopoiesis and sets the threshold for T cell activation. Ikaros mutated mouse models develop an aggressive lymphoblastic leukemia with 100% incidence. Some human leukemias express mutated dominant negative Ikaros isoforms that inhibit full-length Ikaros DNA binding. Decreases in Ikaros DNA binding capacity may downregulate a subset of genes capable of regulating T cell proliferation. Recently, we demonstrated that the gene for VPACR-1, a G protein coupled, anti-proliferative receptor expressed on naïve CD4 T cells, is a novel gene target for Ikaros. Signaling through the anti-proliferative VPACR-1 receptor may naturally impede cell cycle entry in CD4 T cells. Therefore, a decrease in Ikaros protein and/or DNA binding capacity, during certain etiologies of lymphoblastic leukemia, may downregulate VPACR-1 and contribute to uncontrolled proliferation. Understanding how Ikaros regulates VPACR-1 in naïve and activated CD4T cells may 1.) provide insight into a crucial downstream event from Ikaros that contributes to uncontrolled proliferation in hematopoietic disorders and 2.) lead to an understanding of the role Ikaros-mediated regulation of VPACR-1 plays in normal immune function, such as suppressing bystander T cell activation in certain organs including the gastrointestinal system. Therefore, the aims of this research are to 1.) confirm bi-directional effects of Ikaros on VPACR-1 expression in primary naïve and activated CD4 T lymphocytes, 2.) demonstrate which PKC pathway signaling proteins mediate TCR-dependent VPACR-1 downregulation, and 3.) identify IK phosphoacceptor residues that mediate IK recruitment to heterochromatin during T cell activation.	53,200	0.2	8,259
NORTH DAKOTA STATE UNIVERSITY	School	Object individuation is the ability to determine that an object is the same or different from an object previously seen. This ability provides a foundation for object recognition and is crucial to our perception of a stable and persistent world. Despite significant advances in our understanding of object individuation, our explanations for infants' spontaneous use (i.e., in the absence of priming) of shape and size but not color, lightness, or pattern as a basis for object individuation are speculative, at best. The proposed research will test the reliability hypothesis within the context of multisensory object processing. When infants explore objects via multisensory means (i.e., visual-haptic), features are encoded and attended to during object individuation tasks presumably because infants' ability to process those features has been enhanced during exploration. An alternative hypothesis, based on new data, is that multisensory exploration allows infants to determine which properties of an object are inherent to the object (and are therefore reliable) and which result from external factors. In the case of color or pattern, for example, multimodal exploration enables infants to determine that the color or pattern observed on an object is not a result of lighting conditions or cast shadows. As such, when apprehended via multimodal exploration, object properties that had not been considered reliable indicators of distinct objects when perceived using vision alone, are viewed as reliable.	179,659	0	

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NORTH DAKOTA STATE UNIVERSITY	School	DESCRIPTION (provided by applicant): The heme-containing enzyme commonly known as chlorite dismutase (Cld) catalyzes the unimolecular decomposition of chlorite ion, ClO₂⁻, as illustrated in Scheme 1. The reaction is thought to proceed via formation of compound I (2) through a heme-catalyzed isomerization of O-bound chlorite, Fe(II)ClO₂⁻, to coordinated peroxyporphyrin, Fe(III)-OOC(=O)-Cl, followed by an intramolecular redox reaction that releases O₂ and Cl⁻. Recent spectroscopic and kinetic work has led to the suggestion that the catalytic mechanism proceeds through a two-electron oxidized heme intermediate having properties characteristic of compound I (Cpd-I). Its formation is thought to occur with release of the complex is unstable with respect to release of O₂ and Cl⁻. Reactions that evolve O₂ are rare in biology, with that catalyzed by the O₂-evolving tetranuclear Mn cluster of PSII being the only other known example. The precise nature of the Cld intermediates and the modulation of their reactivities by the enzyme remain to be elucidated. The overarching goal of this work is to clarify the structural basis for the spectacular catalytic efficiency and mechanistic specificity of this unique O₂-evolving reaction. The specific aims focus on spectroscopic (primarily resonance Raman, (R) and kinetic (freeze-quench) approaches to determining atom connectivities, structures and electronic properties of intermediates in the catalytic decomposition of ClO₂⁻ by Cld from <i>Dechloromonas aromatica</i> RCB. Specifically, this proposed project aims to: 1. further clarify the roles of distal pocket residues in directing substrate binding and Cl-O bond scission to yield Cpd-I. 2. probe the nonbonded interactions between the ferryl moiety of the Cpd-I intermediate and the distal pocket in the freeze quenched reaction of ferric Cld with peracetic acid by resonance Raman spectroscopy. 3. probe structure and bonding in the first catalytic intermediate in the reaction between ferric Cld and the substrate, ClO₂⁻. 4. investigate the structural and electronic properties of the rebounded state. PUBLIC HEALTH RELEVANCE: The goal of this project is to build a basic understanding of how biological organisms make the oxygen that we breathe. This knowledge will provide the foundation for development of medical and materials technologies for specialized oxygen delivery systems. It can also be applied to the development of systems for removing toxic chlorine-based pollutants from waste and ground water. The goal of the parent grant is to establish a Center for Visual and Cognitive Neuroscience at North Dakota State University. Emerging from the Center projects is a translational and collaborative project that aims to determine whether training on attention-demanding video games improves older adults' cognitive abilities, everyday functioning, and well-being. Recent research indicates that playing action video games (for as little as 10 hours) enhances younger adults' performance on multiple aspects of attention. The advantage to video games as a cognitive training tool is that immediate feedback, tailored difficulty levels, and entertaining interfaces can motivate learning and perseverance. An important outcome variable for the proposed project is the transfer of enhanced attention skills to everyday functioning. Four health-related outcomes will be assessed: driving performance (as assessed using driving simulation), instrumental activities of daily living (IADLs), health-related quality of life, and well-being (life satisfaction). In a pretest-posttest single-blind design, 150 older adults (60-80 years of age) will be randomly assigned to video game training, attention training, or a wait-list control group. Participants in the video game conditions will play an attention-demanding action game or a motion	430,500	0.77	15,613
NORTH DAKOTA STATE UNIVERSITY	School	The project will improve the structure of the Northern Tier Network (NTN) by linking North Dakota and South Dakota's NTN segments (NTN-ND and NTN-SD). NTN is a regional optical research and education network connecting institutions in thirteen states across the northwestern U.S. Connecting the South Dakota and North Dakota networks involves, acquiring a 20-year Indefinite Right of Use (IRU) to dark fiber between NTN-ND and NTN-SD, acquiring the necessary equipment to light the new fiber between NTN-ND and NTN-SD, and upgrading NTN-SD's equipment in Aberdeen, SD where the connection to the South Dakota network is made. Some examples of research activities that are likely to benefit from the network connection are: high-energy physics research, when the planned Dakota Ion Accelerators for Nuclear Astrophysics and Long-Baseline Neutrino Program experiments come on line; work on improving the information content of satellite imagery involving collaborations between South Dakota State University, Goddard Space Flight Center in Maryland, and the Earth Resources Observation and Science (EROS) Data Center in Sioux Falls, SD, along with commercial satellite imaging companies located around the world; environmental science research in the Dakotas and elsewhere in the United States that takes advantage of network access to the remotely sensed images of the Earth's surface archived in the EROS Data Center; and real-time predictive modeling of drought, rainfall, and hail. Laboratories at higher education sites in South Dakota, nationally and internationally provide student research training and mentoring activities for students across a variety of disciplines that exploit network access to large data archives or supercomputing resources around the United States, including the EROS Data Center in South Dakota. In addition, the new network connection will enable scientists in South Dakota to exploit more effectively the scanning electron microscope located at North Dakota State University.	431,697	0	
NORTH DAKOTA STATE UNIVERSITY	School		751,244	0	

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NORTH DAKOTA STATE UNIVERSITY	School	The project, proposed by the regional optical network, Pacific Northwest Gigapop, will replace an ad hoc system of connections to a tier of states in the northwestern United States with a fiber-based network capable of supporting multiple gigabit connections and extending from Seattle through Minneapolis to Chicago. It will upgrade connection points that various campuses en route will be able to connect to. These add/drop points are located at Yakima, Spokane, Missoula, Bozeman, Billings, and Fargo. The partners and campuses affected include the Pacific Northwest Gigapop (PNWGP), the University of Washington, Heritage University, Washington State University, University of Idaho, University of Montana, Montana State University, North Dakota State University, the University of Minnesota, and the Starlight facility. The renovation also includes an optical switch at a PNWGP location in Seattle that will enable advanced networking research. This project will enable researchers to transport efficiently large amounts of data between institutions in the north-western U.S. and over the national wide-area network. This will facilitate access to high-end computational and data resources used by researchers at north-western institutions. The upgrade will also provide scientists some flexibility to obtain dedicated bandwidth for specific research applications and will allow higher bandwidth connections to international research networks. Examples of research areas that will benefit from the regional networking renovation include: astronomy, high-energy physics, the history and three-dimensional geometry and kinematics of active and ancient orogenic belts, solar physics, biologically-inspired nano-materials, computational biology, and investigations of the material properties of seashells. In addition to providing infrastructure for research, the renovated network will be a resource that facilitates distance education and collaboration.	1,157,498	0	
NORTH DAKOTA STATE UNIVERSITY	School	Dr. Blakeslee is the primary beneficiary of the ARRA Administrative Supplement for Research Workforce Development and Dissemination. She will use the support to enhance her skills to fully incorporate high-density EEG methodology into experiments to study the neural bases of human visual perception. This project will involve Drs. Blakeslee and McCourt (and programming staff, on occasion) making numerous trips to the laboratory of Dr. John Foxe (Albert Einstein College of Medicine, Bronx, NY), who is a COBRE mentor to Dr. Michael Robinson, and who served during Phase I of the COBRE as an expert consultant for our EEG Core facility.	238,559	0	
NORTH DAKOTA STATE UNIVERSITY	School	This award is funded under the American Recovery and Reinvestment Act of 2009 (Public Law 111-5). North Dakota State University's Department of Geosciences is expanding their research program and the laboratories renovated under this award complement this expansion. The renovated space will bring scientists, including two newly hired researchers within the Geosciences Department, to benefit directly from the shared facility. The focus of the renovation will be for research in climate change, environmental quality and Antarctic geology. Intellectual merit stemming from their work, and that of collaborating faculty, includes the elucidation of southern hemisphere biogeography, in which Antarctica's role as a center of evolution is mostly unknown, and continued work to date major shifts in Antarctic climate from Oligocene through Pliocene time. Work done by the environmental quality research group in newly renovated laboratory space will further the understanding of how argillaceous matrices such as expansive earth materials function for the remediation of wastewater. Examples of additional research topics to be addressed include the exact timing of North American deglaciation, focusing especially on the drainage of large proglacial lakes and their relation to late glacial climate change and the occurrence of naturally high levels of heavy metals such as cadmium and mercury in glaciogenic soils found throughout the upper Midwestern United States. The broader impacts of this project include the support of early career researchers, undergraduate and graduate student research, a variety of outreach programs to tribal colleges and K-12 students, and extensive international collaboration. The work also has societal relevance in that the outcomes will offer direct constraints on the stability of Antarctica's ice sheet during times when global atmospheric CO2 concentrations were similar to those predicted for Earth in coming decades, and thus will provide data to calibrate predictive models of sea-level rise. Additional important outcomes will include the potential for many countries to address environmental quality problems such as high fluoride, boron, and arsenic concentrations in water, and high cadmium concentrations in soils.	650,550	0	

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NORTH DAKOTA STATE UNIVERSITY	School	A major goal of research on human aging is to generate knowledge that will facilitate the maintenance of functional independence in older adult populations. Sensory declines represent a broad category of normal age-related changes that can lead to diminished quality of life, loss of independence, and increased costs for society as a whole. One aspect of visual perception which appears to change with age relates to neural inhibition. Inhibitory mechanisms in visual processing are essential for normal visual perception at a variety of levels â€” from the subcortical center-surround interactions in receptive fields that enhance contrast and increase signal-to-noise ratios by redundancy removal, to the lateral interactions that give rise to the spatial and directional tuning properties of neurons in early visual cortical neurons, or finally to the extrastriate mechanisms of visuospatial attention that play a crucial role in permitting the selection of relevant environmental stimuli to the exclusion of task-irrelevant items. Two well-known visual illusions of brightness (Grating Induction) and contrast (Contrast-Contrast) are prima facie evidence of visual inhibition. We will utilize a powerful new paradigm, the quadrature-phase motion technique, to measure the magnitude of both luminance-based first-order (Grating Induction) and contrast-based second-order (Contrast-Contrast) inhibitory visual processes over a large range of spatial and temporal frequencies, at multiple retinal eccentricities, to assess age-related alterations in spatiotemporal inhibitory processing. We anticipate our findings to be translatable to a useful diagnostic clinical test to simply and efficiently assess the status of visual inhibitory processes across the lifespan. Data collected during the first year will provide pilot data in support of a translational R01 grant application to the National Institute on Aging or the National Eye Institute. The specific aims of the project are: 1) To compare and contrast the degree of inhibitory visual processing in two disparate age groups: young adults (18-30 years) and older adults (60-80 years); and 2) To use the data so obtained as the foundation for an R01 proposal to further explore the effects of aging on inhibitory visual processing, and to critically examine and evaluate the feasibility of developing the quadrature-phase motion paradigm into a clinically-useful diagnostic test to assess age-related changes in visual inhibitory processing.	203,332	0	
		DESCRIPTION (provided by applicant): In the developed world, the U.S. has the highest rate of adolescent pregnancy, which is associated with increased risk of fetal growth restriction and premature delivery. Both preterm delivery and low birth weight are associated with a much greater risk of neonatal mortality and morbidity, and, in addition, the resulting offspring may be 'programmed' to develop cardiovascular or other significant diseases later in life. While poor socio-economic status and gynecological immaturity are undoubtedly major factors predisposing adolescents to poor pregnancy outcome, maternal growth and nutritional status during pregnancy also play major roles in pregnancy outcome. The proposed studies will use well-defined animal models to examine the impacts of being overfed or underfed, and the role of altered sex steroid levels, on fetal and placental growth and placental vascular development in an ovine model of adolescent pregnancy. Specific Aim 1 will test Hypothesis 1: that reduced fetal growth due to overnutrition of growing adolescents results from reduced placental vascular development and abnormal expression of placental angiogenic factors; Specific Aim 2 will test Hypothesis 2: that undernutrition of growing adolescents also reduces fetal growth via altered placental growth and vascular development or, alternatively, by limiting nutrient availability in the maternal circulation; and Specific Aim 3 will test Hypothesis 3: that reduced fetal and placental growth and vascular development in adolescents due to under- or overnutrition results from altered production or metabolism of sex steroids and, therefore, can be overcome by steroid replacement. Specific Aim 4 will test Hypothesis 4: that placental angiogenic factor expression can be manipulated in placental tissue explants cultured in vitro using a range of specific hormone and metabolic treatments that replicate elements of those conditions observed in nutritionally compromised pregnancies in vivo. The proposed studies will provide a mechanistic understanding, at the whole animal, organ, and tissue levels, of the factors contributing to altered placental angiogenesis and angiogenic factor expression in the nutritionally compromised adolescent, and thus will provide a powerful basis for future mechanistic studies at the cellular level, while at the same time contributing to the development of informed nutritional strategies to optimize pregnancy outcome in adolescents.	197,514	0.22	179
PARSHALL SCHOOL DISTRICT #3	School	School Construction	42,018	2	42,018
SITTING BULL COLLEGE INC	School	Sitting Bull College has been awarded an ARRA grant in the amount of \$500,000 to expand the Standing Rock Public Transportation bus garage and purchase one new 20 passenger wheel chair accessible bus.	500,000	0	27,600
SOLEN PUBLIC SCHOOL DISTRICT	School	School Construction	44,916	0	44,916
STANDING ROCK COMMUNITY SCHOOL	School	Renovations started	8,178,018	56	4,043,928

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
STANDING ROCK COMMUNITY SCHOOL	School	Ensure that each homeless child and youth has equal access to the same free appropriate public education, including a public preschool education, as other children and youth.	27,000	0	27,000
STANDING ROCK COMMUNITY SCHOOL	School	'Improve teaching and learning for students most at risk of failing to meet State academic achievement standards.'	1,074,000	0	1,074,000
STANDING ROCK COMMUNITY SCHOOL	School	Educational Technology State Grants to States to Improve Student academic achievement through the innovative use and the effective integration of new and emerging technology with teacher training, curriculum development, and successful researched-based instructional methods in elementary and secondary schools.	94,015	0	94,015
TWIN BUTTES SCHOOL DISTRICT 37	School	Improve teaching and learning for students most at risk of failing to meet State academic standards	75,700	0	75,700
UNITED TRIBES TECHNICAL COLLEGE	School	Improve teaching and learning for students most at risk of failing to meet state academic achievements standards Increasing Teacher effectiveness and Data Systems and Data for Improvement	295,800	2.3	295,800
UNIVERSITY OF NORTH DAKOTA	School	The proposed project will investigate the coldest and driest parts of the Transantarctic Mountains (Ong Valley at Nimrod Glacier and Moraine Canyon at Amundsen Glacier) where the lack of running water and biological activity in the modern environment is thought to have preserved the landscape, essentially unchanged, for millions of years. Contrary to this common belief, it is hypothesized that the landscape does evolve, perhaps as fast as many surfaces in the Dry Valleys area where both loose soil and bedrock surfaces have been degrading at a rate of about 1-2 m/Myrs for the past several million years. The research team will rely on analysis of the both stable and radioactive cosmogenic isotopes that accumulate in near surface soil and bedrock. Collectively these measurements allow comparison of the long term landscape evolution to current processes and environmental drivers such as wind speed. The results of this work will improve understanding of the evolution of the Earth's surface and directly aid in evaluating imagery of Martian geomorphology. Continued reliance on students provides a broader impact to this proposed research and firmly grounds this effort in its educational mission.	247,684	0.71	21,405
UNIVERSITY OF NORTH DAKOTA	School	The gases in the upper troposphere and lower stratosphere (UT/LS) have a significant effect on the chemical and radiative budgets of the global atmosphere, crucial to understanding climate change. To understand the chemical makeup of the UT/LS region, a much better understanding of deep convective transport is needed. Transport in deep convection is unique in its ability to entrain constituents from the near surface and rapidly transport them to the UT/LS region where they are detrained. The variability of entrainment and detrainment in storms is not captured in current climate model convective transport parameterizations. This study proposes to address these problems with a tripartite approach. First, using dual-Doppler velocity data from field campaigns, the observed detrainment profile will be derived for a suite of storms covering a range of storm morphologies and background environments. Second, radar reflectivity data from the same field campaigns will be used to look for relationships between velocity-derived detrainment profiles and the reflectivity fields. The goal of the second part of the proposal is to define an algorithm for processing radar reflectivity observations that will allow for estimates of convective mass transport based on radar reflectivity observations over any region covered by the weather radar network. Third, cloud-resolving models will be used to assess the quality of reflectivity-based transport estimates for specific storms. Using the combination of radar reflectivity observations and modeling, a climatology of convective transport over the central United States will be compiled. Improvements in understanding and modeling of deep convective transport resulting from this study will directly benefit many complementary modeling efforts and improve understanding of convective transport of gases into the UT/LS. Ultimately, these results can be used to reduce uncertainty in climate prediction models, a critical need considering the climate challenges facing humanity.	333,155	1.35	78,078

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
UNIVERSITY OF NORTH DAKOTA	School	1) Why some supercell-spawned tornadoes are particularly long-lived? 2) How environmental conditions influence tornado genesis, intensity, and longevity? 3) How capping inversions and microphysical makeup influence cold pool strength and the development of low-level rotation in supercell storms? 4) How storm interaction and mergers impact tornado genesis? Observations, numerical modeling and data analysis will be used to address the research questions. The methodological approaches build on the Principal Investigators' (PIs) past work including the successful simulation of an intense and long-lived supercell-spawned tornado, simulations of supercell storm environment at 1 km resolution, assimilation of polarimetric radar observations, and coarse-resolution simulations of storm interactions. Observations will be used to guide parameter studies and for data assimilation while modeling will provide consistent and high resolution space and time data sets for analysis and the means to explore controlled parameter spaces. The modeling studies build on advances in model physics, model parallelization/nesting, new methods for initiating sustained storms in the presence of capping inversions, and ensemble Kalman filter based data assimilation methods. The research will take advantage of the availability of computing systems approaching the petascale as well as future systems such as Blue Waters to be deployed at the University of Illinois in 2011 which will be capable of sustaining petaflop performance for weather and storm simulation. Intellectual Merit of Proposal: The work is aimed at increasing the understanding of supercell/tornado genesis, and structure and evolution. Numerical simulation provides a unique approach for testing hypotheses as well as providing complete data sets for analysis and visualization. It also provides a means to simulate multiple scales, namely the supercell and any tornadoes embedded within it. Of particular interest is determining what environmental conditions and what balance of forces are required for simulations of quasi-steady and long-lived supercell-spawned tornadoes. Broader impacts: The research will potentially improve public warnings. In particular, the PIs will contribute to understanding why some supercell storms produce tornadoes while others do not. Given the upgrade of the WSR-88D radar network that is currently underway, research on the assimilation of polarimetric radar data will provide new insight as to how to best use this data in storm forecasting. Research findings will be communicated via conference presentations, peer-reviewed journal articles and instructional modules for wider use by meteorological education, research and operational communities. The results will be used in classes at the University of Illinois and University of North Dakota. In addition, the researchers will be working with National Center for Supercomputer Applications on a storm exhibit at the Chicago Museum of Science and Industry. The latter will include interactive tools for exploring simulation data as well as visualizations from supercell/tornado simulations. Three graduate students will be supported and cross institution collaboration will be fostered by the work between two academic institutions.	390,000	1.39	104,873
UNIVERSITY OF NORTH DAKOTA	School	The cardiovascular system is the first operational organ system in developing vertebrates and proper control of its function, which transports oxygen and nutrients, is absolutely critical for the subsequent normal development of the animal. Any perturbation, whether natural or experimental, of its normal function will negatively impact further development and ultimately embryo survival. This project will entail an extensive investigation of the cardiovascular system during the development of two reptilian vertebrates, American alligators and common snapping turtles. Prior studies have shown that these animals experience alterations in the developmental environment (the nest), resulting in periods of hypoxia (low oxygen levels). This research project will determine the effects of these hypoxic periods on the gene expression, regulation, and function of the cardiovascular system in order to construct a complete picture of the environment-induced changes in embryonic cardiovascular physiology. Given the potential for variation in nest temperature, water content and oxygen content, this study will clarify how environmental stress can alter the embryonic survival of these species as well as other egg-laying vertebrates. During the tenure of this research project several education goals will be achieved. This project will further physiological education on the UND campus through the development of a specialized course in physiology and will have regional impact through the development of the internet based experimental modules in physiology. In addition, Native American students will participate in a summer research experience program.	1,015,598	1.84	228,459

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
UNIVERSITY OF NORTH DAKOTA	School	Temperature-dependent sex determination (TSD) was first reported 40 years ago in an African lizard. It has since been shown that temperature determines sex in some fish and amphibians, several lizards, numerous turtles, and all crocodilians. Nevertheless, the mechanism underlying TSD is not known in any species. The goal of the proposed research is to dissect the molecular basis of TSD in the common snapping turtle, <i>Chelydra serpentina</i>. This will be accomplished by (1) sequencing all genes expressed in gonads from embryos incubated at male- and female-producing temperatures, (2) breeding adult turtles to study genetic influences on sex determination in their offspring, and (3) genetic analysis of gene expression profiles in a subset of offspring from the breeding study. This information will be integrated to identify the temperature-sensitive gene (or genes) responsible for TSD and to reveal the gene networks for testis and ovary development, which is basically the same in all vertebrates. These experiments promise to get us closer to understanding the mechanism underlying TSD than has the previous 40 years of research. This work may provide new insight into the effects of climate change on endangered TSD species like sea turtles and a deeper understanding of sex determination in all vertebrates, including humans. Sequences for thousands of turtle genes could also be used for studies of other biological processes in turtles. Finally, this project will have a broader impact on education. Aspects of this research will be incorporated into undergraduate biology classes at UND. This represents a major advance in experiential learning of molecular biology for majors and non-majors. In addition, women, minorities, and North Dakota residents will be recruited into the PI's laboratory, which will help increase the diversity of the nation's scientists. DESCRIPTION (provided by applicant): The North Dakota INBRE has succeeded beyond all reasonable expectations in fulfilling the IDEa program's goal of establishing an undergraduate research culture in the state's primarily undergraduate institutions (PUIs). Furthermore, each of the four PUIs in North Dakota have developed a culture capable of sustaining and enhancing these INBRE-sponsored undergraduate research programs. The ND INBRE has also advanced these efforts into the Native American community with the successful establishment of a genetics based, undergraduate-driven research program on pre-eclampsia at Turtle Mountain Community College. An introduction to research course has recently been developed by Native American faculty for the Cankdeska Cikana Community College. The ND INBRE has taken the lead in funding and stabilizing the K-12 portion of the Indians into Medicine Program. This program produces over 25% of the Nation's Native American physicians. Evidence is accumulating that the ND INBRE undergraduate research programs are having an impact on the pipeline of undergraduates entering biomedical research. A focused goal of ND INBRE in the coming year will be to develop bioinformatics beyond wire and library resources. Aim 1: To Continue to Support and Enhance the Outstanding Undergraduate Research Programs. Aim 2: To Continue to Support and Expand Efforts to Engage Native American Students in Undergraduate Research. Aim 3: To Continue to Support the INMED Summer Academy and Pathways Program. Aim 4: To Continue Support for a Previously Established Proteomics Core Facility and Continue Development of a Metal Analysis Core. To Initiate a Cutting-Edge Bioinformatics Program. Aim 5: To Establish a Community-Based Participatory Research Core. Aim 6: The Development of a Network that Encourages Scientific and Professional Interactions Among the Partners and Enhances the Pipeline of Students Entering Biomedical and Behavioral Research. PUBLIC HEALTH RELEVANCE (provided by applicant): The partners of the ND INBRE can state that all undergraduates in the State's PUIs, that were qualified and desired an undergraduate research experience in science, have been afforded this career-building opportunity. Furthermore, each of the four PUIs in North Dakota have developed a culture capable of sustaining and enhancing these INBRE-sponsored undergraduate research programs, all of which offer year-long, in-institution, participation in the undergraduate research enterprise.	467,847	3.24	151,134
UNIVERSITY OF NORTH DAKOTA	School		135,000	5.32	132,666

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
UNIVERSITY OF NORTH DAKOTA	School	DESCRIPTION (provided by applicant): The dopamine transporter (DAT) is the primary mechanism by which extracellular dopamine (DA) is cleared from the synaptic space. As such it performs a key role in terminating dopaminergic neurotransmission and in regulating the concentration of DA available for binding to pre- and post-synaptic receptors. DATs are targets for numerous psychoactive drugs including abused compounds such as cocaine, and amphetamine (AMPH), and therapeutic agents such as Ritalin and Wellbutrin. Dysregulation of DAT, which would lead to abnormal levels of DA, is speculated to occur in dopaminergic diseases such as Parkinson's disease and schizophrenia, although mechanisms are not known. DATs are highly regulated proteins, with current evidence implicating the involvement of numerous protein kinases including Protein Kinase C and Calcium- Calmodulin Dependent Protein Kinase. While we know that DATs are metabolically phosphorylated, we do not know the precise sites on the protein that are modified, the kinases or phosphatases that catalyze phosphate addition or removal, or the molecular basis by which phosphorylation effects functional regulation. There is also only marginal understanding of the relationship of this process to abused or therapeutic drugs. The long term goal of this project is to clarify the precise mechanisms by which DAT is regulated by phosphorylation. The specific aims are to elucidate the kinases and phosphatases involved, the amino acids modified, and the subcellular regions where these processes occur; determine how phosphorylation at specific sites impacts AMPH-stimulated efflux; and to determine how phosphorylation is impacted by DAT blockers. The completion of these studies will provide a much more precise understanding of DAT phosphorylation and how this process could be related to dysregulation of DAT in dopaminergic diseases and drug abuse. PUBLIC HEALTH RELEVANCE: The completion of these studies will provide a much more precise understanding of DAT phosphorylation and its role in processes induced by amphetamine and dopamine transport blockers. This information may thus be useful in elucidating novel therapeutic targets for treating drug addiction, and help to clarify potential links to DAT dysregulation in dopaminergic disorders such as Parkinson's disease and depression.	695,038	3.5	416,195
UNIVERSITY OF NORTH DAKOTA	School	DESCRIPTION (provided by applicant) The University of North Dakota STEER is designed to support undergraduate training in the environmental health sciences within the University of North Dakota. The STEER training program will expand and complement the ongoing NIH IDEa INBRE program that is focused on fostering undergraduate biomedical research at the State's primarily undergraduate institutions and the enhancement of the undergraduate pipeline to the health professional schools. The North Dakota INBRE is focused on 'Health and the Environment'. The present application is targeted at filling an important gap in undergraduate training in the environmental sciences not provided by the North Dakota INBRE program. This gap is the support of undergraduate environmental science training for undergraduate students at the INBRE host research-intensive institution, the University of North Dakota. The present application will use the INBRE foundation to initiate a strong undergraduate training program in environmental health science at the University of North Dakota. The research theme will be to advance the hypothesis that environmental agents which elicit human disease cause cellular alterations in cell structure and function that can be identified as predictive biomarkers of disease development and progression. To advance this theme, the students will be involved in research that studies the role of the environmental pollutants, arsenic and cadmium, in the development and progression of human bladder, breast, prostate, and renal disease. The aims of the program are: to provide an undergraduate research experience in environmental sciences to undergraduate students at the University of North Dakota; to provide an introduction to environmental health sciences to undergraduate students at the University of North Dakota; and, to use infrastructure developed in the INBRE program to support STEER programmatic efforts and vice versa over the life of the award mechanisms.	43,200	2.05	43,146
UNIVERSITY OF NORTH DAKOTA	School	FHC has used CIP funds to support the need to update and/or upgrade equipment and IT technology at FHC. Organization needs have been assessed and priority has been given to urgent needs for equipment to be replaced. FHC is also in the process of fully implementing Electronic Medical Records (EMR). Funding has been utilized to support the development of interfaces to enhance the applicability of EMR technology and connections with other systems such as transcription. Our successful application for the ARRA funded FIP grant will be used in conjunction with the CIP to best outfit our facilities with equipment to best serve our patients.	686,660	0	206,514
UNIVERSITY OF NORTH DAKOTA	School	The Analytical and Surface Chemistry (ASC) program of the Division of Chemistry will support the research program of Prof. Julia Xiaojun Zhao of University of North Dakota. Prof. Zhao and her students will develop a series of new near-infrared fluorescent (NIRE) nanoparticles for sensitive detection and imaging of trace analytes in biosamples. The resulting fluorescent nanoparticles are expected to show highly intense and photostable fluorescence signals, clearly discrete excitation and emission peaks, high water solubility, high biocompatibility and low toxicity. These particles are likely to find use in biomedical, environmental and homeland security applications. The project will provide excellent training opportunities to students in bionanotechnology. Prof. Zhao will continue her on-going educational and outreach activities aiming to engage Native American undergraduate students in her research and promote the field of nanoscience to a wide audience in the State of North Dakota.	600,000	0.04	61,130

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
UNIVERSITY OF NORTH DAKOTA	School	The purpose of this award is to expand access to needed primary health care services to underserved populations in the service area and to support the creation of jobs to support the business operations of FHC. This grant will support increasing FHC's physical capacity to better respond to the increase in demand for services. The project includes the acquisition and remodeling of an existing historic building in downtown Fargo, ND. Currently, FHC operates 3 separate sites in Fargo: a medical and dental clinic, Homeless Health Services, and administrative offices. The project will co-locate these sites under one roof. Co-location will allow FHC to further improve operations, utilize resources in a more efficient manner, and provide better patient access to enhanced services. The project represents approximately doubling the existing clinical capacity from 27,000 to 50,000 sq ft and will result in 33 medical exam rooms, 7 dental operatories, and additional space for behavioral health services, community programs, administrative offices, and meeting areas. Once fully operational, it is expected FHC will serve over 26,000 unique patients and provide more than 63,000 visits per year. The project will create 18 full time new positions at FHC in the first year of operations and 58 full time construction-related jobs. This grant will benefit low income, uninsured and underinsured individuals living in Cass County, ND and Clay County, MN. At least 20% of all patients served by the program reside in rural areas of ND and MN. A change in scope is proposed to add on-site mental health services and comprehensive dental services to include dentures. This project represents a significant source of economic stimulation for the service area. The project will act as a catalyst for broader economic development in the local economy, and serve as an anchor by attracting investment to the community; creating a significant number of jobs to area residents; increasing health access to low income families; and providing long-term stimulation for economic revitalization. The project is aligned with City of Fargo plans to revitalize the downtown area.	259,817	6.45	259,817
UNIVERSITY OF NORTH DAKOTA	School	OBJECTIVES The objective of this project is to train graduate students in carbon capture technologies through fundamental research that includes a primary research experience. Undergraduate students will also participate in the primary research experience which has the following task-specific objectives: Task 1: Effectively execute this program by following a continuously updated management plan. Task 2: Fabricate lab-scale and bench-scale test systems to support tasks 3 and 4. Task 3: Assess the capability of a range of composite polymer membranes and porous membrane contactors to regenerate physical and chemical solvents for CO2 capture in a lab-scale batch test system. Task 4: Perform a detailed assessment of the most promising membrane candidates in a bench-scale continuous test system. Task 5: Perform a Commercial Feasibility Study. SCOPE OF WORK The primary research included in this program will investigate two membrane-based alternative solvent regeneration processes for both chemical and physical solvents in laboratory scale testing. This includes several types of composite polymer membranes and porous membrane contactors. Candidate membranes will first be evaluated in a lab-scale batch system, which will be constructed specifically for this project. Membranes with promising results will then be evaluated in a continuous bench-scale process in which the rates of CO2 removal, solvent loss, and solvent degradation will be measured. Further evaluation with simulated syngas will be conducted to determine the effect of other gas components, including H2, H2S, and CO, on membrane performance. DELIVERABLES Periodic, topical, and final reports will be prepared in accordance with the Federal Assistance Reporting Checklist. The following are reports associated with the completion of project milestones. Task 2.1: Fabrication of batch lab-scale system for membrane evaluation. A report that describes the test equipment and operating procedures. Task 2.2: Fabrication of bench-scale continuous process. A report that describes the test equipment and operating procedures. Task 3: Lab scale membrane trials. A report that summarizes the results of testing and makes recommendations for continuous testing. Task 4.1: Primary Bench-scale Trials. A report that summarizes the results of testing and key findings with recommendations for combinations of membranes and solvents for task 4.2. Task 5: Commercial Feasibility Analysis. A report that includes a comparison analysis of the potential for membrane solvent regeneration technologies to current technologies.	6,666,583	1	406,626
UNIVERSITY OF NORTH DAKOTA	School	The University of North Dakota proposes to demonstrate the technologic and economic feasibility of generating continuous electricity from non-conventional low temperature (T<210 F) geothermal water using binary organic Rankine cycle technology with air as the condensing medium. We propose to install an ORC electric power generating unit at a water-flood site and sell the power either directly to the local rural cooperative or to another buyer of renewable energy. The project will develop and disseminate a model that can be used to facilitate the installation of similar ORC systems in other oil and gas settings.	300,000	1.25	50,144
UNIVERSITY OF NORTH DAKOTA	School		1,733,864	0.28	52,510

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
UNIVERSITY OF NORTH DAKOTA	School	This Major Research Instrumentation-Recovery and Reinvestment (MRI-R2) award funds the acquisition of an integrated set of instruments to enable medium to high-throughput analysis of DNA, RNA, and protein at the University of North Dakota (UND). A high capacity PCR unit, tissue homogenizer, and associated liquid handling robot greatly enhance the UND infrastructure to support biological research. The instrumentation enables cutting-edge research training and classroom education in engineering and life sciences at the interface of disciplines, i.e., ecological genomics, systems biology, and the human-robot interface. The research is unified by an emphasis on the genetic, epigenetic, and genomic bases of biological responses to environmental stressors, including abiotic factors like temperature, atmospheric gases, humidity, and heavy metals and biotic factors like herbivores and nutrition. The influence of high-throughput technologies reaches beyond pure research to provide significant new educational opportunities for undergraduate and graduate students. Such training opportunities are especially important for students who are demographically underrepresented in the life sciences and engineering. The nature of modern research is epitomized by the newly acquired instruments, stemming from interdisciplinary interactions among engineers, computer scientists, physicists, chemists, and biologists. The instrumentation allows students to gain valuable experiences, and may allow for the attraction or formation of new companies and higher paying jobs to the area, which in turn helps retain the state's talent and brainpower. Results from the studies enabled by the new equipment will be disseminated by student and faculty presentations at regional and national meetings, and through publication in peer-reviewed journals. The University of North Dakota proposes to demonstrate the technologic and economic feasibility of generating continuous electricity from non-conventional low temperature (T<210 F) geothermal water using binary organic Rankine cycle technology with air as the condensing medium. We propose to install an ORC electric power generating unit at a water-flood site and sell the power either directly to the local cooperative or to another buyer of renewable energy. The project will develop and disseminate a model that can be used to facilitate the installation of similar ORC systems in other oil and gas settings.	397,727	0	59,892
UNIVERSITY OF NORTH DAKOTA	School	DESCRIPTION (provided by applicant): The overall goal of the present work is to characterize the cell and molecular mechanisms that regulate neural and vascular cell interactions during development. The central objective of this work is to determine the role of vascular endothelial growth factor (VEGF) in regulation of neurogenesis. Results from the proposed study will impact our understanding of the development of the central nervous system (CNS) as well as the plasticity of the CNS in response to mechanical injury or pathologic stress. Neural and vascular systems develop in concert and several factors have been identified with overlapping function in the two systems. An emerging model of neural and vascular system interdependence includes the potent angiogenesis factor, VEGF, and its dual role as a neural regulator. The angiogenesis-inducing effects of VEGF are largely mediated via activation of the VEGF receptor-2 (VEGFR2) homodimer that can use the co-receptor, neuropilin 1. Neuropilin 1 plays a critical role in mediating axon guidance cues, but can also contribute to angiogenesis via its association with VEGFR2. VEGF is expressed predominantly as three isoforms in the mouse, VEGF120, VEGF164 and VEGF188. Results from homologous recombination studies in mice have led to the suggestion of distinct roles for the different VEGF isoforms. The isoforms differ in their ability to bind to heparan sulfate proteoglycans in the matrix and on the cell surface and to interact with the neuropilin 1 co-receptor. Only VEGF164 has been shown to bind to and activate the VEGFR2/neuropilin 1 complex. VEGF164 is the predominant isoform in the brain. Although a number of studies have suggested a role for VEGF in the nervous system, little is known about the direct role that VEGF plays in neurogenesis. The hypothesis of this proposal is that VEGF regulates developmental neurogenesis via the VEGFR2-neuropilin pathway. The hypothesis will be tested with the following aims: 1) to characterize the cell-type specificity and expression patterns for VEGF, VEGFR2 and activated VEGFR2 during developmental neurogenesis in the CNS and 2) to test the role of VEGF-neuropilin signaling in developmental neurogenesis in mice lacking VEGF-neuropilin signaling. Project Narrative: The results from experiments described in this proposal are directly relevant to human health in the areas of brain development, function, and repair. Neuronal stem cells are the source of all brain neurons and have recently been found in the adult. Understanding how neural stem cells arise, differentiate, divide and die may be the key to finding out how to restore brain function after debilitating CNS injuries such as stroke, lesion, and neurodegenerative disease.	1,733,864	0.25	25,831
UNIVERSITY OF NORTH DAKOTA	School		29,160	0	29,160
UNIVERSITY OF NORTH DAKOTA	School	ARRA Scholarships for Disadvantaged Students	56,458	0	21,177

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
UNIVERSITY OF NORTH DAKOTA	School	Health care providers in North Dakota have expressed a great amount of need for continuing education for recertification of providers including training on emergency room trauma and simulation/training on OB including emergency delivery which occurs infrequently in these facilities. Due to the workforce shortage in North Dakota- there are little or no replacement providers to provide patient care when individuals travel for continuing education opportunities. In addition, in many rural areas, providers face professional isolation with few providers to interact and learn with. The proposed North Dakota AHEC Mobile Interdisciplinary Simulation Team Skills (MISTS) program will assist in increasing the continuing education capacity to health providers located in rural areas throughout North Dakota with a special emphasis on interdisciplinary team training and effective care coordination strategies in concert with high-fidelity simulation. The courses will be customized to the needs of rural emergency room staff and will consist of 1) didactic training on needed skills, 2) simulation to provide practice on skills and 3) training and practice on essential team work skills. Students in the courses will include physicians, midlevel providers (NPs and PAs), nurses and emergency medical service personnel that work in rural emergency rooms and ambulance services. Simulation equipment that will be purchased through this program include an adult simulator, a pediatric simulator, a baby simulator, a birthing simulator and an advanced life support simulator which will be shared across three regional AHEC centers throughout North Dakota. During the first year 60 health care providers will receive enhanced continuing education opportunities through this program. During the first two years of MISTS implementation it is estimated that over 200 students will receive this intensive training. Project Summary/Abstract Alzheimer's disease (AD) is a complex neurodegenerative disorder for which there is presently no effective therapy. While some genetic mutations are responsible for the familial AD forms, the causative factors for the non-familial forms, which represent the majority of cases, are not known. Identification of risk factors and mechanisms by which these factors contribute to the pathology of AD may therefore aid in better understanding the disease and may ultimately lead to designing an efficient therapeutic strategy to prevent the onset or stop the progression of this devastating disorder. Our longterm objectives are to identify risk factors and mechanisms by which these factors trigger the pathogenesis of AD. Hypercholesterolemia is a potential risk factor for AD. However, the mechanisms by which high blood cholesterol levels affect the brain and increase the risk of AD are not known. The objective of this application is to determine the extent to which cholesterol-enriched diets cause cellular damage in the brain with AD features. We will be using a long-term cholesterol-enriched diet in the rabbits a model system that we have found to demonstrate iron deposition, β-amyloid (Aβ) accumulation, and oxidative stress, all hallmarks of AD. Our hypothesis is that cholesterol diets increase levels of the cholesterol metabolite, 27-hydroxy-cholesterol, which crosses a disrupted blood brain barrier (BBB) and activates the endoplasmic reticulum stress response, thereby activating the growth arrest-and DNA damage-inducible gene 153 (gadd153) and the cytokine, TNF-γ. While activation of gadd153 triggers the generation of reactive oxygen species and the overproduction of Aβ, the activation of TNF-γ alters iron metabolism, induces apoptosis and exacerbates oxidative stress. To test our hypothesis, our specific aims are as follows: Aim I. Identify mechanisms that underlie hypercholesterolemia-induced oxidative stress, Aβ accumulation and iron dyshomeostasis. We will determine the role of gadd153 and TNF-γ in iron dyshomeostasis, oxidative stress induction and Aβ accumulation. Aim II. Determine the extent to which chelation of iron protects against the deleterious effects of hypercholesterolemia. We will determine the effect of the iron chelator, deferiprone, on hypercholesterolemia-induced iron dyshomeostasis, oxidative stress and Aβ generation. Aim III. Determine the extent to which lowering blood cholesterol levels reduces the entrance of 27- hydroxycholesterol into the brain, thereby inhibiting oxidative stress, iron dyshomeostasis, and Aβ accumulation. We will compare the effects of pravastatin (a hydrophilic statin that has a low propensity to cross the BBB) and simvastatin (a lipophilic statin that readily cross the BBB) on oxidative stress, iron dyshomeostasis, and Aβ accumulation. Successful completion of the present proposal may reveal the missing link between high blood cholesterol levels and AD-like pathology in the brain. Project narrative Hypercholesterolemia is a serious health issue in the U.S.A. which, in addition to cardiovascular problems, may also increase the risk for Alzheimer's disease. However, the mechanisms by which high blood cholesterol levels cause AD pathology are not known. The outcome of this proposal may aid in a better understanding of the mechanisms by which high cholesterol levels in blood cause degeneration characteristic of AD, and may ultimately help in designing strategies that prevent or slow the progression of hypercholesterolemia-related forms of this devastating neurodegenerative disorder.	249,835	0	
UNIVERSITY OF NORTH DAKOTA	School		27,600	1.65	25,442
WARWICK SCHOOL DISTRICT 29	School	SCHOOL CONSTRUCTION - ELEMENTARY CLASSROOMS	66,651	4	66,019
WHITE SHIELD SCHOOL DISTRICT	School	Improve teaching and learning for students most at risk of failing to meet State academic standards	209,700	0	209,700
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The State of North Dakota Department of Health was awarded a State Clean Diesel Program Grant to fund a project to replace approximately 40 school buses. The general purpose of the grant is to reduce diesel emissions and improve air quality.	1,730,000	0.33	985,321

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The purpose of this work is to implement construction activities at the North Dakota Arsenic Trioxide Superfund Site, which will provide a protective drinking water remedy to rural households in the project area. The remedial action is for Segment 5 of the project, which includes connecting approximately 180 rural users to the rural water system. In addition, the existing water treatment plant and water distribution system will be expanded to handle the increased demand and two additional water supply wells will be installed.	8,459,929	28.06	2,589,906
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The purpose of this work is to implement construction activities at the North Dakota Arsenic Trioxide Superfund Site, which will provide a protective drinking water remedy to rural households in the project area. The remedial design is for Segment 5 of the project, which includes developing the design to connect approximately 180 rural users to the rural water system. In addition, the existing water treatment plant and water distribution system will be expanded to handle the increased demand and two additional water supply wells will be installed.	1,238,563	3.65	964,400
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	This award provides the opportunity for recipients to develop and strengthen effective responses to violence against women. These funds will assist by preserving and creating jobs and promoting economic recovery.	812,159	13.74	366,656
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	This grant will add functionality to the existing North Dakota Immunization Information System (NDIIS) to provide Moved or Gone Elsewhere (MOGE) patient designations, capabilities to exchange data between the NDIIS and electronic medical records, a school immunization module, and enhanced immunization coverage assessment reports. The functionality will increase data quality by removing erroneous data, tracking patients' movement between providers and across the state, and increasing immunization information within the NDIIS. The objectives are that by the end of the grant period, the NDIIS will be capable of providing MOGE patient designations, exchanging immunization data with immunization providers, a school immunization module, and updated reporting features for assessing immunization rates. Other activities include outreach and training to healthcare providers and schools about new features in NDIIS and the importance of data collection and timeliness of reporting and recruiting schools to the NDIIS and training them on the school immunization module functionality. Funding is requested for contracts with Blue Cross Blue Shield of North Dakota (BCBSND) and Orion Health to enhance functionality and data quality.	146,360	0	27,623
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	This grant will support immunization program activities in an effort to increase the number of children and adults vaccinated against vaccine-preventable diseases. Objectives for this grant are in line with the goals and objectives outlined in the original 2008 Immunization Funding Opportunity Announcement (FOA). Operations funding will be used to obtain forecaster and reminder/recall capabilities for the North Dakota Immunization Information System. The forecaster will notify immunization providers about immunizations that are due or past due for their patients. Reminder/recall will allow providers to send out reminders to patients about upcoming immunizations that are due or recall patients who are past due for immunizations. Funding will also be used to hold a statewide immunization conference in 2010 in an effort to educate immunization providers, which will in turn increase immunization rates. The NDDoH will use this funding to conduct a statewide television and radio campaign geared towards parents, educating them about the importance of immunizations and when immunizations are recommended. Finally, the NDDoH will award grants to a select number of local public health units to incentivize the creation or enhancement of local immunization coalitions. The NDDoH will comply with American Recovery and Reinvestment Act (ARRA) reporting requirements as outlined in ARRA FOA Section VI.3 and VI.4 and Appendix A. Program staff will submit quarterly reports to Health and Human Services and post on Recovery.gov ten days after the end of each calendar quarter, starting October 2009. The NDDoH will also participate in monthly calls with Centers For Disease Control and Prevention project officers and submit annual reports as required, starting October 2009.	310,296	0	130,208
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The ELC program will coordinate and implement HAI prevention activities and report on progress toward reductions in two or more HHS Action Plan Targets. This will include: ? State HAI Plan coordinator identified ? State HAI Plan submitted to HHS by January 1, 2010. ? State HAI Plan approved by HHS. ? Quarterly reporting on HHS prevention targets ? Finalize State HAI plan ? Submit final plan to HHS by December 31, 2011	201,830	1.06	39,755
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	Administration of Clean Water SRF ARRA projects.	16,639,100	32.65	13,205,486
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	Administration of Drinking Water SRF ARRA projects.	22,100,000	52.05	10,093,235
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The ARRA funds are used to support additional activities to recruit, retain and support NHSC health care providers and to designate additional workforce shortage areas.	32,270	0.26	15,073

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	This project supports water quality management planning activities that are authorized under Section 205(j) and 303(e) of the Clean Water Act and the ARRA of 2009. The following are the objectives and tasks/projects associated with this grant award. A. Provide for watershed and infrastructure planning and reporting. 1. Coordinate with local units of government and interested stakeholders, the development of watershed plans/Total Maximum Daily Loads (TMDLs). 2. Conduct reporting on the uses of Section 604(b) funds provided by the ARRA of 2009. B. TMDL Development/Watershed Assessment and Planning. 1. TMDL and Watershed Planning and Assessment for Hay Creek. 2. TMDL for Braddock Dam and Water Quality and Watershed Assessment for Long Lake Creek. 3. TMDL for Homme Dam and Water Quality and Watershed Assessment for the South Branch Park River. 4. TMDL for Brush Lake and Crooked Lake and Water Quality and Watershed Assessment for Turtle Creek.	194,300	2.19	55,163
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	USDA FNS WIC - WIC Miscellaneous Technology Project. A. IT contract for new food rule. The ND WIC Program requested funds for enhancement work to the ND WIC computer system (WICnet) which was necessary to comply with USDA-mandated changes to the WIC Program Food Rules (cost \$31,475). B. Funding for hardware replacement sent to local agencies (\$37,500).	68,975	0	66,350
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The Division of Nutrition and Physical Activity (NPA) will use these funds increase support for breastfeeding in the workplace, improve the physical activity environments in child care settings and to develop and distribute media messages on improved physical activity access, breastfeeding and infant friendly businesses and improved physical activity environments in ND child care settings.	364,148	0.44	35,314
HEALTH, NORTH DAKOTA DEPARTMENT OF	State	The North Dakota Department of Health (NDDoH) is using this grant to increase interoperability between the North Dakota Immunization Information System (NDIIS) and various electronic health records (EHR) throughout the state. The NDIIS is a confidential, population-based, computerized information system that attempts to collect vaccination data about all North Dakotans. Interoperability between the NDIIS and EHRs at provider practices will improve the completeness of immunization histories available to clinicians and public health by ensuring that all vaccine doses administered are in the NDIIS. Interoperability will also ensure that doses are in the NDIIS in a timely manner. Health care provider practices will benefit from interoperability because duplicate data entry into the NDIIS and their own private EHRs will no longer be necessary. The objectives are that by the end of the grant period, the NDDoH will increase the number of EHR-NDIIS practice-based connections available, increase the number of practice-based electronic immunization transactions reported to the NDIIS each week, and maintain the percent of immunization data received by the NDIIS in a timely manner. Other activities include participating on a federal interoperability panel of experts, selecting which provider practices and EHRs to connect to, developing implementation and sustainability plans for interoperability, implementing interoperability specifications in the NDIIS and selected EHRs, and evaluating the success of this activity. Funding was requested for contracts with Blue Cross Blue Shield of North Dakota (BCBSND), who maintains the NDIIS, and various provider practices and their EHR vendors.	620,021	0	-
HUMAN SERVICES, NORTH DAKOTA DEPARTMENT OF	State	To provide job training opportunities and job placement for unemployed low-income individuals who are 55 or older and who have poor employment prospects.	143,288	0.68	136,907
HUMAN SERVICES, NORTH DAKOTA DEPARTMENT OF	State	Assist in operating statewide comprehensive, coordinated, effective, efficient and accountable programs of vocational rehabilitation, which are in integral part of a statewide workforce investment system; and designed to assess, plan, develop, and provide vocational rehabilitation services for individuals with disabilities, consistent with their strengths, resources, priorities, concerns, abilities, capabilities, interests, and informed choice, so that such individuals may prepare and engage in gainful employment.	1,800,000	23.74	680,766
HUMAN SERVICES, NORTH DAKOTA DEPARTMENT OF	State	The monies are being used to increase capacity and improve quality of childcare through the Growing Childcare Initiative. The Growing Childcare Initiative provides training for providers in coordination with consulting services, Child Development Associate scholarships to child care providers and employees of child care programs, and expanded professional development opportunities for child care providers, including the development of a training registry. The Initiative also includes specific recruitment efforts for new centers and family/group providers. The Growing Childcare Initiative was launched throughout the state on January 4, 2010.	3,643,862	22.99	1,076,142
HUMAN SERVICES, NORTH DAKOTA DEPARTMENT OF	State	Assist States in the implementation of a statewide, comprehensive, coordinated, multidisciplinary, interagency system of early intervention services for infants and toddlers with disabilities and their families.	2,398,294	1.54	66,841
HUMAN SERVICES, NORTH DAKOTA DEPARTMENT OF	State	A state program to provide independent living services to individuals with significant disabilities, support the operation of centers for independent living and the Statewide Independent Living Council, provide training on the independent living philosophy and outreach to unserved and underserved populations, conduct studies and analysis and present information to policymakers to enhance independent living services, and support activities that increase the capacity of independent living service providers.	242,913	0	-

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
JOB SERVICES, NORTH DAKOTA DEPARTMENT OF	State	J1518 WIA Youth AA-17134-08-55-A-38 ARRA Program \$2,918,025, CFDA 17.259: The award supplements our current Workforce Investment Act Youth program which prepares youth for academic and employment success. In order for youth to receive services, they must be 14 through 24 years old, low income and meet other criteria such as needing additional assistance to complete an educational program or to secure and hold employment. Eligible youth are assessed to determine academic skill level and support service needs. Strategies are developed for each person based on the assessment results. They may receive counseling, tutoring, job training, mentoring, or work experience. Other strategies include summer employment, study skills training, or instruction in obtaining a GED or equivalent. J1508 WIA Adult AA-17134-08-55-A-38 ARRA Program \$1,234,406, CFDA 17.258: The award supplements our current Workforce Investment Act Adult program which prepares individuals 18 years and older for participation in the labor force by providing core services and access to job training and other services. Core services, which are available to all adults, include skill assessment, labor market information, consumer reports on training programs, and job search and placement assistance. J1528 WIA Dislocated Workers Program AA-17134-08-55-A-38 \$916,452, CFDA 17.260: The award supplements our current Workforce Investment Act Dislocated Worker program which provides employment and training services to meet dislocated workers needs; establish early intervention for workers and firms facing substantial layoffs; and foster labor, management and community partnerships with government to address worker dislocation. In general, dislocated workers are people who lost jobs due to plant closures, company downsizing, or some other significant change in market conditions. This Wagner-Peyser Act grant is for providing Employment Services and focuses on providing a variety of employment related labor exchange services including but not limited to job search assistance, job referral, and placement assistance for job seekers, re-employment services to unemployment insurance claimants, and recruitment services to employers with job openings. Services are delivered in one of three modes including self-service, facilitated self-help services and staff assisted service delivery approaches. Depending on the needs of the labor market other services such as job seeker assessment of skill levels, abilities and aptitudes, career guidance when appropriate, job search workshops and referral to training may be available. The services offered to employers, in addition to referral of job seekers to available job openings, include assistance in development of job order requirements, matching job seeker experience with job requirements, skills and other attributes, assisting employers with special recruitment needs, arranging for Job Fairs, assisting employers analyze hard-to-fill job orders, assisting with job restructuring and helping employers deal with layoffs.	5,068,883	3.03	4,278,339
JOB SERVICES, NORTH DAKOTA DEPARTMENT OF	State		2,984,613	28.7	1,522,192
MILITARY AFFAIRS, NORTH DAKOTA DEPARTMENT OF	State	9044 ND ARMY NATIONAL GUARD AMERICAN RECOVERY & REINVESTMENT ACT OF 2009 SUSTAINMENT RESTORATION MODERNIZATION PROJECTS	2,674,600	6.98	1,618,796
NORTH DAKOTA ATTORNEY GENERAL	State	The North Dakota Office of Attorney General, Bureau of Criminal Investigation (BCI), is the State Administering Agency for the JAG Stimulus funding. The Drug and Violent Crime Policy Board (Board), which oversees the use of the JAG funding, determines the priorities for funding in each of the following purpose areas: law enforcement programs; prosecution and court programs; prevention and education programs; corrections and community corrections programs; drug treatment and enforcement programs; planning, evaluation and technology improvement programs; and crime victim and witness programs. The state allocation will be used to hire two forensic scientists and purchase a DNA Robot Workstation for the State Crime Lab, to hire an agent who will coordinate the 24/7 sobriety program, and to hire a grants/contracts officer for the BCI.	3,162,336	11.47	1,012,203
NORTH DAKOTA ATTORNEY GENERAL	State	The North Dakota ICAC task force will enable local, state and federal law enforcement to continue their efforts to protect children from becoming victims, educate children about the internet, and apprehend and prosecute those responsible for internet crimes. The North Dakota Bureau of Criminal Investigation (BCI) will hire and train one special agent to work full time in the area of computer forensic analysis and investigation for a period of four years. The special agent will be assigned to work ICAC cases and assist North Dakota ICAC affiliates. This funding will also allow BCI to provide equipment and forensic services in order to enhance the goal of enforcing internet crimes against children and other persons. This special agent will work with the National Center for Missing and Exploited Children and other members of the North Dakota ICAC to conduct investigations and provide information necessary to locate missing children. The ultimate goal is for North Dakota law enforcement to increase their ability to detect, investigate, apprehend, and prosecute internet predators, as well as educate children and their parents of the dangers that exist on the internet, how to avoid this danger, and how to report potential predators.	413,449	0.86	131,948
NORTH DAKOTA ATTORNEY GENERAL	State	The North Dakota Attorney General's Office will hire intelligence analysts to join the State Law Enforcement Intelligence Center to analyze and disseminate intelligence data to task forces, local law enforcement, and regional law enforcement in support of intelligence driven investigations; and will focus efforts on rural law enforcement needs, as well as coordinate uniform task force data collection, fiscal activities, and timely reimbursement of operating funds to task forces. Business staff member will audit buy funds, review task force activities, track grant progress, and related activities in support of rural law enforcement efforts.	635,057	2.69	97,980

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	ARRA Supplemental Funding for the Community Services Block Grant (CSBG) Program. The North Dakota Department of Commerce awarded each of the 7 Community Action Agencies in the state their proportional share of the 99% pass-through of the CSBG ARRA grant. The funds were awarded to support employment related services that create and sustain economic growth, and to provide assistance to those individuals and families that have been most impacted by the recession. The income guidelines for those clients who will be served are those with incomes at or below 200% of the federal poverty level. The services and programs the Community Action Agencies will provide in support of this effort start with an assessment of client strengths and barriers to determine the appropriate services and programs the clients may need to address immediate needs as well as the type of assistance they will need to help them become as self sufficient as they can be. Many of the services and programs available to those clients support their efforts to find or retain employment by providing them with various employment related supportive services such as budgeting and money management services, transportation assistance (gas cards, help with car repair bills), assistance with child care, help securing regular and work-specific clothing and work related tools, assistance with educational needs so they can be more employable, etc. In addition, the Community Action Agencies will assist clients with emergency needs such as food, rent and mortgage assistance to prevent eviction, utility bills to prevent shut-offs, deposits for housing and utilities, prescription drug assistance, etc. The Community Action Agencies will also provide information and referral services on other community services to assist the client in meeting their needs. Case managers at the Community Action Agencies can work with the clients on an ongoing basis to help them set and meet goals to self sufficiency. The CSBG ARRA grant requires that the remaining 1% of the grant must be used for Benefit Enrollment Coordination activities. North Dakota awarded the remaining 1% of the funds to the North Dakota Community Action Partnership (NDCAP), the association of the 7 Community Action Agencies. NDCAP will use the 1% grant to provide outreach services to those who might be in need of assistance from one or more of the federal, state, regional or local agencies who provide services and programs for low income people.	4,573,445	13.74	4,272,214
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	The purpose of the State Energy Efficient Appliance Rebate Program is to award formula grants to U.S. states, territories, and the District of Columbia to provide American Recovery and Reinvestment Act funding for the establishment and administration of State Appliance Rebate Programs. This initiative is designed to assist States establish rebate programs for residential ENERGY STAR appliance products (those that represent improvements in efficiency compared to the majority of products in the market). The Appliance Rebate Program Objectives are: 1) Save energy by encouraging appliance replacement through consumer rebates; 2) Make rebates available to consumers; 3) Enhance existing rebate programs by leveraging ENERGY STAR national partner relationships and local program infrastructure; 4) Keep administrative costs low while adhering to monitoring and evaluation requirements; 5) Promote state and national tracking and accountability; and 6) Use existing ENERGY STAR consumer education and outreach materials.	615,000	0.04	611,329
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	This initiative is intended to: strengthen and expand State and local government energy assurance planning and resiliency efforts by developing energy supply emergency assurance plans and incorporating response actions for new energy emergency portfolios and Smart Grid applications into existing plans; create jobs; and to build in-house State and local government energy assurance expertise. The initiative focuses on building regional energy assurance capability to allow the State to better coordinate and communicate state-wide and with one another, on energy security, reliability, and emergency response issues. The State will use funds to develop an updated emergency energy supply assurance plan to be used in conjunction with the State Emergency Operations Plan and to develop and implement energy assurance training sessions, workshops and exercises to refine and practice plan implementation. The purpose of the EECBG Program is to: reduce fossil fuel emissions, reduce total energy use, and improve energy efficiency. The funds will be used for: 1. An education campaign across the state to educate citizens about the benefits of energy efficiency. 2. Energy efficiency retrofits to local government buildings and buildings of their political subdivisions. This will help lower operating costs while allowing citizens to see the benefits energy conservation first hand.	258,858	0.05	26,805
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	Funds were awarded to 15 private non-profits to carry out the eligible activities under the HPRP program. These activities include financial assistance, housing relocation and stabilization, data collection, and administration.	9,593,500	1.33	468,548
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	Weatherization of low income clients homes in the state of North Dakota. It is planned to weatherized approximately 3267 homes. Weatherization will receive general heat waste measures, insulation measures, diagnostics, windows and doors, Health and Safety measures including furnace replacement and repair. Residential, multi-family and mobile homes will be weatherized with all measures with a Savings to Investment Ratio (SIR) of Greater than 1.5.	2,582,637	4.64	943,379
NORTH DAKOTA DEPARTMENT OF COMMERCE	State		25,266,330	113.09	11,317,479

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	The North Dakota State Energy Program (NDSEP) goal is to improve energy efficiency and reduce the rate of energy demand growth. NDSEP promotes energy conservation, works to reduce energy demand growth rates and implements program activities to reduce imported oil dependence through the development and fulfillment of this plan, with financial and technical assistance, from the United States Department of Energy. NDSEP activities are planned to add value, advance the efficient use of energy, reduce energy costs, improve economic competitiveness and enhance the environment. NDSEP is participating in efforts to improve energy saving measurements, and welcomes the opportunity to better quantify activity results. NDSEP looks forward to implementing the new energy saving measurement device when it has been devised. In general, the NDSEP State Plan represents program activities proposed to encourage energy efficiency as an integral element of economic development planning. Program activities have been developed to reduce peak demands, to modify energy consumption patterns and improve energy supply system efficiencies. Environmental impact from NDSEP activities are expected to have a positive environmental impact. NDSEP will comply with all applicable statutes and regulations. NDSEP will monitor activities implemented by state agencies, contractors and subrecipients with administrative and programmatic oversight with personal and telephone visits with project administrators, and by requiring written activity reports to accompany all requests for reimbursement.	24,585,000	1.96	676,042
NORTH DAKOTA DEPARTMENT OF COMMERCE	State	The Community Development Block Grant enables local governments to undertake a wide range of activities intended to create suitable living environments, provide affordable housing and create economic opportunities, primarily for persons of low and moderate income. CDBG-R funds will be used to retain and create jobs in North Dakota. The three projects funded in North Dakota will expand or replace public infrastructure that will provide long term economic benefits. Created and retained construction jobs will be tracked along with permanent job retention.	1,299,857	10.3	719,354
NORTH DAKOTA DEPARTMENT OF CORRECTIONS AND REHABILITATION	State	Funds to be awarded only to eligible victim assistance organizations; not to be used to supplant state and local funds otherwise available to provide crime victim assistance, and at minimum, assist victims in the following categories: Sexual assault, child abuse, domestic violence, and under-served victims of violent crimes as identified by state law.	542,000	0	542,000
NORTH DAKOTA HOUSING FINANCING AGENCY	State	Tax Credit Assistance Program (TCAP) will fill financing gaps caused by the reduction of equity investment in the Low Income Housing Tax Credit (LIHTC) program. TCAP will provide gap financing for the construction or rehabilitation of affordable housing projects affected by the deteriorating housing market. The Recovery Act requires housing credit agencies to distribute TCAP funds competitively, in accordance with the Agency's Qualified Allocation Plan. This Plan can be found at www.ndhfa.org . Projects awarded low income housing tax credits in fiscal years 2007, 2008 or 2009 are eligible for funding, but the housing credit agency must give priority to those projects that are expected to be completed by February 2012.	4,860,574	5.37	282,117
NORTH DAKOTA, STATE OF	State	Education Fund - for the support of public elementary, secondary, and postsecondary education and, as applicable, early childhood education programs and services. Education Stabilization funds were used to restore state support for elementary and secondary education to FY 2009 level freeing up state funds for other one-time school district infrastructure investments. North Dakota distributed ARRA education stabilization funds through the state's school aid funding formula. All school districts agreed to apply the share of the state school aid formula funding identified as federal ARRA education stabilization funds to 2009-10 instructional salaries.	85,644,337	2058.13	85,644,337
NORTH DAKOTA, STATE OF	State	Government Services Fund- for public safety and other government services, which may include assistance for elementary and secondary education and public institutions of higher education, and for modernization, renovation, or repair of public school facilities and institutions of higher education facilities, including modernization, renovation, and repairs that are consistent with a recognized green building rating.	19,055,342	25.5	6,549,201
NORTH DAKOTA, STATE OF	State	An initial grant was for efforts related to mapping broadband availability across the state and year two maintenance of that data. Some of the funds were for efforts related to broadband planning activities to identify how the state could leverage current organizational structure and relationships, either directly or indirectly, to provide the broadband requirements for additional anchor institutions. The Grant was amended to provide additional Federal funding to complete the project to map broadband availability for 5 years and engage in broadband planning activities for 5 years.	3,664,087	4.58	406,710
NORTH DAKOTA, STATE OF	State	The purpose of the State Health Information Exchange Cooperative Agreement Program is to fund states' efforts to rapidly build capacity for exchanging health information across the health care system both within and across states. Awardees are responsible for increasing connectivity and enabling patient-centric information flow to improve the quality and efficiency of care. Key to this is the continual evolution and advancement of necessary governance, policies, technical services, business operations, and financing mechanisms for HIE over each State and SDE's four-year performance period. AnyState HIE is building on existing efforts to advance regional and state level health information exchange.	5,343,733	1.17	168,313

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	The North Dakota Department of Public Instruction received funds through the American Recovery and Reinvestment Act of 2009 (ARRA) to pay costs associated with the distribution of USDA foods donated for use in The Emergency Food Assistance Program (TEFAP). Such costs include (but are not limited to) storage, transportation, handling, processing, and distribution of such foods. To date, the North Dakota Department of Public Instruction has provided funds to organizations - such as food banks, food pantries, and soup kitchens - that administer the program at the local level. <i>level: STATE</i>	127,410	0	81,432
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	Educational Technology State Grants to States to improve student academic achievement through the innovative use and the effective integration of new and emerging technology with teacher training, curriculum development, and successful research-based instructional methods in elementary and secondary schools.	3,209,375	1.95	935,720
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	Improve teaching and learning for students most at risk of failing to meet State academic achievement standards	27,437,105	145.34	13,298,251
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	Assist States in providing special education and related services to children with disabilities in accordance with Part B of the IDEA.	26,552,439	81.44	14,935,188
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	Assist States to make available special education and related services for children with disabilities age 3 through 5 years, and at a State's discretion, to 2 year old children with disabilities who will reach age three during the school year.	861,549	5.14	397,635
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	Ensure that each homeless child and youth has equal access to the same free, appropriate public education, including a public preschool education, as other children and youth.	175,966	0.42	147,715
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	The North Dakota Department of Public Instruction received funds through the American Recovery and Reinvestment Act of 2009 (ARRA) to assist in the purchase of equipment for School Food Authorities (SFAs) participating in the National School Lunch Program (NSLP) through a competitive grant process. Priority was given to SFAs for equipment for schools in which at least 50 percent of the students were eligible for free or reduced-priced meals. Other focus areas of the grant included: improving the quality of school foodservice meals to meet the dietary guidelines; improving the safety of food served in the school meal programs; improving the overall energy efficiency of the school foodservice operations; and supporting the expansion of participation in the school meal program. To date, the North Dakota Department of Public Instruction has: 1) Issued an ARRA grant solicitation to SFAs participating in the NSLP; 2) Received and scored ARRA grant applications from SFAs competitively; 3) Awarded ARRA grants to SFAs participating in the NSLP; and 4) Transferred funds to or reimbursed SFAs.	215,764	0	215,764
PUBLIC INSTRUCTION, NORTH DAKOTA DEPARTMENT OF	State	Provide support to eligible schools that demonstrate the greatest need for the funds and the strongest commitment to use the funds to raise substantially the achievement of their students to enable those schools to make adequate yearly progress.	7,631,521	62.18	45,376
PUBLIC SERVICE COMMISSION, NORTH DAKOTA	State	This program will improve the capacity of the Commission to efficiently regulate and oversee the modernization and development of the electric transmission and generation infrastructure. It will provide resources and training to handle the increase in transmission and generation siting cases as well as increase participation in the regional planning and development of needed transmission facilities. The program will provide expertise and resources to develop better rules, laws, and other regulatory actions. These regulatory functions are critical to the efficient development and use of electricity and the overall goal of energy independence. The grant will provide for one full-time job and training for 11 Commission staff members in these key areas of expertise.	766,350	0.67	1,767
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	271,667	0	271,667
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	403,664	0.29	403,664

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	4,559,718	1.07	4,469,319
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	755,632	0.23	728,509
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	250,000	0.18	250,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	150,000	0.11	119,660
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	400,000	0.27	322,787
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	3,849,825	1.36	3,775,658
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	300,000	0.22	300,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	153,116	0	153,116
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	594,755	1.17	594,755
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	150,000	0.1	150,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	647,824	0	647,824
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	2,381,095	0.1	2,145,679
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	701,334	0	701,334
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	90,662	0.04	73,503
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	43,500	0.02	34,217
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	636,153	0	636,153
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	380,000	0.03	267,093
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	400,000	0	400,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	119,400	0	119,400
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	2,311,718	0.05	2,116,559
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	32,490	0.11	29,763

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	42,123	0.02	36,235
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	647,615	0	647,615
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	317,000	0.28	317,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	41,000	0	41,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	48,237	0	45,968
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	69,016	0	69,016
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	273,320	2.82	197,306
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	123,640	0	123,640
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	42,762	0.02	34,499
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	209,850	0	209,850
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	253,339	0	205,722
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	495,000	0	495,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	370,460	0	370,460
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	56,000	0	56,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	1,226,294	0	1,226,294
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	49,839	0.02	33,391
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	160,242	0.59	126,263
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	2,297,739	1.49	2,294,910
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	260,000	0	260,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	98,553	0.66	97,522
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	719,895	1.01	705,497

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	35,787	0.37	24,966
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	227,356	12.78	207,142
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	362,500	0	362,500
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	102,000	0	102,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	121,147	0	115,056
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	237,446	2.45	160,310
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	107,328	1.11	82,007
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	324,719	0	324,719
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	658,920	0.46	658,920
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	1,367,500	0.7	1,286,590
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	264,592	0.04	264,218
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	296,823	0	294,265
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	314,166	0	314,166
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	148,474	0	137,475
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	106,984	0	106,984
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	488,292	3.48	429,327
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	2,941,632	13.89	2,754,967
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	870,540	16.23	729,437
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	425,390	0.43	425,390
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K	442,174	7.8	279,792
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible)	365,000	0	365,000

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible)	250,000	3.07	250,000
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible)	4,212,312	16.8	4,212,312
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible)	1,784,826	2.62	180,873
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible)	1,700,000	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible)	731,000	5.09	304,678
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Available for Use in Any Area (flexible), Rural Areas with Population under 5K	3,745,091	1.84	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Areas with Population equal to or less than 200K, Rural Areas with Population under 5K	1,700,000	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	533,000	0	434,347
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	221,875	0	221,875
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	3,783,505	19.19	3,273,113
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,552,161	0.32	1,512,854
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,455,933	4.7	1,416,722
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,128,768	5.05	1,096,638
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	3,287,409	0	3,287,409
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,078,472	2.92	1,075,729
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	4,519,241	45.21	3,623,261
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	2,778,734	0.41	2,465,169
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	2,887,483	20.02	2,212,654
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	9,346,770	0.01	8,251,693
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	691,129	3.22	668,344
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	19,208,074	0.07	18,800,755

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	2,348,797	8.77	1,961,986
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	296,960	0	296,960
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	264,525	0	264,525
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	357,242	0	357,242
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	283,947	0	246,646
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,315,100	0	1,311,443
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	484,084	0	484,084
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,279,443	3.85	1,243,572
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,906,035	0	1,906,035
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	2,542,353	9.5	2,354,884
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	3,591,432	0	3,591,432
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,611,907	0	1,587,519
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	6,627,765	25.74	4,212,860
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	482,385	2.13	447,050
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	484,716	0.47	484,716
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	525,665	4.99	484,144
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,808,461	11.9	1,604,227
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	575,698	4.12	561,344
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	861,427	5.76	703,656
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	211,998	0.54	211,998
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	317,996	0.81	317,996

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	608,011	3.7	85,186
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,657,498	0.95	1,345,631
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	253,804	2.41	253,804
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	1,606,648	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible)	150,000	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Available for Use in Any Area (flexible), Rural Areas with Population under 5K	3,911,840	19.84	3,830,951
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	210,000	1.53	158,011
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	240,531	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	170,925	0.02	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	350,509	2.75	249,984
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	314,258	3.62	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	385,438	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	160,297	0.68	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	105,302	0.73	78,155
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	477,000	3.09	124,900
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	272,396	0.25	227,180
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	358,653	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	95,709	1.15	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	247,238	4.15	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	146,029	0.02	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	529,912	0.27	303,258

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	329,769	2.78	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	206,421	1.96	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	202,734	0.7	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	267,747	0.59	26,792
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Highway Infrastructure Investment Grant: Transportation Enhancements	32,927	0	-
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	This Central Federal Lands funded project is a Structure Replacement on Forest Highway 5, 12.5 miles north and 3.5 miles west of Marmarth. To invest in transportation, environmental protection, and other infrastructure that will provide long-term economic benefits. House buses in six (6) paratransit locations that are currently stored outdoors in order to protect electronic components from extreme weather and extend use-lives. Purchase new over-the-road coaches to replace aging vehicles that have traveled in excess of one (1) million miles. Purchase dispatch software to make operation more efficient.	159,653	0	159,653
TRANSPORTATION, NORTH DAKOTA DEPT OF	State	Architectural and construction services for roofing repair project. Building 50 roof replacement and repair.	5,956,263	4.8	1,256,927
CIRCLE OF NATIONS	Tribes	Improve teaching and learning for students most at risk of failing to meet state academic achievement standards.	289,401	0	144,700
CIRCLE OF NATIONS	Tribes	First Nations Women's Alliance will utilize American Recovery and Reinvestment Act Funding to enhance the response to violence against Native American Women by training law enforcement and the Tribal Judicial Systems on North Dakota Tribal Lands; and work to enhance the response to sexual violence in the four Tribal Communities with North Dakota. First Nations Women's Alliance will accomplish this through; hiring one full time Domestic Violence Education Coordinator and one full time Sexual Assault Education Coordinator. They will work to develop a community assessment and training plan for each of the Tribal Communities, they will also conduct a community education campaign for each.	178,300	0	178,300
FIRST NATIONS WOMEN'S ALLIANCE	Tribes	NAHBG Formula Grant	348,500	2	103,115
FORT BERTHOLD HOUSING AUTHORITY INC	Tribes	School Construction	1,470,000	6	-
INDIAN AFFAIRS, BUREAU OF	Tribes		52,526	0	52,526
MENOMINEE INDIAN TRIBE OF WISCONSIN	Tribes	The funding is provided to allow for Native American/Alaska Natives to be trained in Energy Auditor Level II which is designed to provide professional training and supportive services to individuals to conduct energy audits on residential and commercial buildings. The goal is to provide 18 weeks of training for approximately 30 individuals at the United Tribes Technical College in Bismarck, North Dakota. The United Association of Plumbers and Pipe Fitters will be providing the technical training for these sessions and will be involved in job placement at the completion of the sessions. The United Tribes Technical College will be providing meeting space for the sessions and technical support for the participants. On 4/14/2010 a request was made from the Department of Interior to transfer \$105,668 from this grant to GTK00T123AR.YC170 to cover supportive services. The new grant amount for this grant is \$552,332.00 which was used to pay for the Energy Auditor training.	552,332	0	552,332
SPIRIT LAKE TRIBE	Tribes	Great and save jobs for the refuse control services, build strengthen and sustain the foundation for long term economic growth of this service for the tribe. Strengthen the ability for self sufficiency for this program, provide supportive services for job retention, provide on the job heavy equipment training opportunities, develop new employment opportunities for our low income communities.	109,045	1	76,621

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
Goal 1: To increase the ability of the Spirit Lake Nation to respond to domestic violence, dating violence, sexual assault and stalking committed against Indian women in the targeted service area. Objective 1: To provide annual training for tribal employees focused on how to identify domestic violence, dating violence, sexual assault and stalking and how to appropriately respond to the needs of victims. The training will be provided by training consultant from First Nations Women's Alliance. Goal 2: To improve services available to assist victims of domestic violence, dating violence, sexual assault and stalking. Objective 1: Hire a full-time victim advocate and maintain current advocate who will provide services to ensure that victims needs are being met. Goal 3: Strengthen the Spirit Lake Nation and the tribal criminal justice systems' ability to work collaboratively to reduce violence against Indian women. Objective 1: Maintain the current full-time Domestic Investigator. The Officer has over 10 years of experience working with Native American victims of domestic related violence.					
SPIRIT LAKE TRIBE	Tribe	The Spirit Lake tribe & council for Tribal Employment Rights and the National Indian Ironworkers Training program to conduct these activities, to negotiate agreements: issue sub-contract: manage Financial accounts: process request for drawdown of funds, Provide technical assistance for successful completion of sub-contracts; monitor on-site progress of projects.	420,188	0.89	87,688
SPIRIT LAKE TRIBE	Tribe		500,000	0	500,000
SPIRIT LAKE TRIBE	Tribe	Personnel & Fringe Benefits for the Spirit Lake Headstart employees and training and software for the Spirit Lake headstart program.	115,004	2.49	57,682
SPIRIT LAKE TRIBE	Tribe	Spirit Lake rural water supply system, water treatment plant design, pilot plant study, and well field expansion/investigation.	3,655,000	0.57	350,000
The Spirit Lake Childcare Program has strived to increase the quality, affordability and accessibility to childcare for children on the reservation. Also to enhance and promote the health and safety of the environments where childcare is provided by developing and enforcing health and safety standards that appropriately reflect tribal needs.					
SPIRIT LAKE TRIBE	Tribe		230,934	0	230,934
1: Workforce Investment Act (WIA) Section 166 Indian and Native American Program, Supplemental Youth Services Program. A: Provide youth services, as identified in 20 CFR part 668 subpart D-supplemental Youth Services, to individuals up to and including age 24.					
SPIRIT LAKE TRIBE	Tribe		96,582	3.34	96,582
SPIRIT LAKE TRIBE	Tribe	Funds were given to administrate awards that the Spirit Lake PL477 programs is administrating outside of the Spirit Lake PL477 programs.	950,000	0	950,000
SPIRIT LAKE TRIBE	Tribe	SPIRIT LAKE TRIBE WILL COORDINATE THE ENERGY AUDIT PILOT PROJECT.	1,400,000	0	1,400,000
SPIRIT LAKE TRIBE	Tribe	Solar Heat Panel Installation Project provided by the Spirit Lake Tribe on the behalf of the Cheyenne River Sioux Tribe for FY2009/2010 Tribal personnel will conduct outreach meetings with the four districts (i.e. Fort Totten, Crow Hill, Wood Lake, and St. Michael) of the Spirit Lake Nation as well as monthly general Assembly meetings when requested by Tribal Council to inform the public on energy conservation activities. These meeting are designed to inform the residents of Spirit Lake as to the nature of the work being conducted and to share information with them on energy conservation, energy usage, and weatherization.	424,852	4.78	424,852
SPIRIT LAKE TRIBE	Tribe	ARRA IRR Construction - Multi Route Gravel. Gravel construction FER10 \$613,536.95, Incidental construction FER13 \$51,693.13. Construction Monitoring FER14 \$60,309.50. Tribal Program Management FER17 \$64,772.50.	151,300	1.89	51,215
SPIRIT LAKE TRIBE	Tribe		790,312	6.61	790,312
The Spirit Lake Nation 2009/2010 ARRA Program has eleven (11) LOS 1 and 2 'shovel-ready' Roads Repair and Restoration Projects (No. A053031P). This will address the maintenance needs on all of the BIA routes except those that are scheduled for construction projects. It will be completed through a tribal P.L. 93-638 contract. the ARRA Roads and Repair and Restoration funding available for IRR Pavement Preservation/Safety Improvement/Roads Assessment activities is \$426,756.00. The ARRA Repair and Restoration Program will address ten LOS 1 route and one LOS 2 route. This project addresses the crack and sealing on all of the asphalt pavement on the reservation. All of the gravel routes on the reservation will be addressed by ARRA or regular IRR construction projects.					
SPIRIT LAKE TRIBE	Tribe	1.) Multi-route Striping (IRR Routes 6, 7, 14, 22, 24, 25, 27, 29, 31, 41, 50, 61, 62, 71, 73, 74, 75, 81, 82, 210, 211, 212, 213, and 214). 2.) Multi-route Striping (IRR Multi- Route Striping (IRR Routes 1, 4, 5, 6, 7, 16, 20, 21, and 77).	426,756	6.05	426,756
SPIRIT LAKE TRIBE	Tribe	EMS BUILDING REPAIRS BY REPLACEMENT OF HTE SPIRIT LAKE TRIBAL EMS BUILDING. WICONI BUILDING REPAIRS SUCH AS ROOF, WINDOWS, DOORS AND EXTERIOR REPAIRS TO THE WICONI ALCOHOL AND SUBSTANCE ABUSE BUILDING	49,785	0	49,785
SPIRIT LAKE TRIBE	Tribe		743,440	0	743,440
NIIP will support graduates of the National Indian Ironworker training program to reach their job sites, supportive services will include transportation to the work site, housing until receipt of first paycheck, food and related expenses. Not all graduates will be assisted and those most in need will receive assistance. 100 students x 2500 per student = \$250000.00. NIIP will provide a list of graduates that receive assistance in reaching job sites. Provide IEED and Spirit Lake Sioux Tribe with a quarterly report on the activity from this fundig.					
SPIRIT LAKE TRIBE	Tribe		250,000	0	250,000
STANDING ROCK SIOUX TRIBE	Tribe	Rehabilitate (overlay) Runway 14/32, including expanding the runway turnarounds.	1,018,000	0	1,016,464

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
STANDING ROCK SIOUX TRIBE	Tribe	Child Care and Development Fund Stimulus	215,148	0	118,932
STANDING ROCK SIOUX TRIBE	Tribe	Development of Energy Efficiency and Conservation Strategy Using Wind Energy	238,900	0	-
STANDING ROCK SIOUX TRIBE	Tribe	Rehabilitate existing roadway to include subgrade repairs, aggregate base, bituminous paving and incidental items.	3,169,796	7.7	3,169,796
STANDING ROCK SIOUX TRIBE	Tribe	American Recovery Reinvestment and Quality Improvement grant	193,346	0	96,673
TATE TOPA BIA COMMUNITY SCHOOL	Tribe	'Improve teaching and learning for students most at risk of failing to meet State academic achievement standards.' The purpose of the award is to impact student learning through intervention programs and instructing teachers in the best practices for effective instruction.	690,400	0.05	690,400
THREE AFFILIATED TRIBES	Tribe	The grant is part of a funding package to build the infrastructure of a rural water system to serve the residents of the north segment of the Fort Berthold Reservation. This grant together with ND-91-30 is part of the same project.	928,900	0	-
THREE AFFILIATED TRIBES	Tribe	'The COPS Hiring Recovery Program (CHRP) provides funding directly to law enforcement agencies to hire and/or rehire career law enforcement officers in an effort to create and preserve jobs, and to increase their community policing capacity and crime prevention efforts.'	160,780	0	-
THREE AFFILIATED TRIBES	Tribe	APRA - Quality Improvement and COLA	85,168	0	38,368
THREE AFFILIATED TRIBES	Tribe	Childcare development - direct services and support of tribal college childcare center.	188,101	0	188,101
THREE AFFILIATED TRIBES	Tribe	combating rural crime; improving rural law enforcement investigations; operations; training and technical assistance. Agency Name	1,161,669	3	1,161,669
THREE AFFILIATED TRIBES	Tribe	Future Generations - Employment and life skills building for youth.	72,436	8.5	72,436
THREE AFFILIATED TRIBES	Tribe	Provide services to needy clients in the areas of utility bills, heating repairs and homelessness needs on an emergency basis.	103,430	0	51,671
THREE AFFILIATED TRIBES	Tribe	* Four Bears Water Treatment Plant Expansion. Phase I will include the addition of a new clearwell structure (159,000 gallons) adjacent to the existing clearwell in the Four Bears water treatment plant (WTP). The clearwell capacity will increase from 139,000 gallons to 298,000 gallons. It will also include construction of an addition to the existing WTP building to house new treatment equipment. * Four Bears Water Treatment Plan Expansion. Phase 2 will utilize the building addition of Phase I work and will increase the production capacity of the WTP from 200 gpm to 700 gpm. The project envisions the use of a membrane treatment process. * Mandaree Water Treatment Plant Expansion. Phase 1 will include the addition of a new clearwell structure (100,000 gallons) adjacent to the existing clearwell in the Mandaree water treatment plant (WTP). The clearwell capacity will increase from 28,000 gallons to 128,000 gallons. It will also include construction of an addition to the existing WTP building to house new treatment equipment.	8,302,000	8.89	4,300,000
THREE AFFILIATED TRIBES	Tribe	Construction of 10 geothermal homes for qualified applicants	1,200,000	0	-
THREE AFFILIATED TRIBES	Tribe	Improve, repair/restore and preservation of the Mandaree and Twin Buttes Roads Shops	146,586	8	97,724
THREE AFFILIATED TRIBES	Tribe	Retention of consultant services to complete Energy Efficiency and Conservation Strategy Plan for Three Affiliated Tribes and development of program within Tribal Energy Program as well as oversee project to completion.	167,200	1	31,500
THREE AFFILIATED TRIBES	Tribe	OJT Deferred Maintenance on the White Shield Roads Shop located on the Ft. Berthold Reservation.	146,586	8	146,586
TRENTON INDIAN SERVICE AREA	Tribe	Replace the existing deteriorating master lift station with a new double-box culvert master lift station. Coat the new master lift station with a polyamine epoxy coating which will resist deterioration from the high strength wastewater.	271,150	6	-
TRENTON INDIAN SERVICES AREA	Tribe	Renovate health facility & purchase equipment	748,940	0	-
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	To provide safe, viable options, services and support to persons exposed to domestic violence, sexual assault and stalking. Services include, 24 hour shelter, housing assistance, transportation and assistance with the filing of protection orders. Staff is available on hand 24 hours a day seven days a week.	455,263	2.57	32,623
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	To provide summer youth employment opportunities, work readiness skills training and year-round services to Indian and Native American youth under Section 166 of the Workforce Investment Act.	165,569	0	165,569

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TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	Head Start	173,892	0	173,892
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	IHBG Funding under ARRA for the purpose of renovating existing rental housing, and the conversion of some of the propane fuel furnaces to electric or dual heat.	3,165,207	57	2,142,464
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	Title: ARRA Supplemental Funding for the Child Care and Development Fund (CCDF); Description: Provide child care financial assistance to low-income working families and fund activities to improve the quality of child care.	315,800	1	315,800
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	COPS Hiring Recovery Program, Office of Justice Services-Turtle Mountain Law Enforcement	107,751	0	21,084
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	ARRA award to the Turtle Mountain Band of Chippewa Indians for the repair and restoration of reservation roads.	1,206,645	10	1,206,645
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	Energy Efficiency and Conservation Block Grant	379,200	0	189,882
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	Improve teaching and learning for students most at risk of failing to meet State academic achievement standards. Educational Technology State Grants to States to improve student academic achievement through the innovative use and the effective integration of new and emerging technology with teacher training, curriculum development, and successful research-based instructional methods in elementary and secondary schools.	934,500	17.18	934,500
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe		29,100	0	29,100
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	Federal Transit Administration grant to be used for equipment purchases to enhance current tribal transit program.	311,000	0	169,331
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	Miscellaneous Repairs and Upgrades, Belcourt and Dunseith, ND as described in the Project Summary Document.	631,675	0	4,234
TURTLE MOUNTAIN BAND OF CHIPPEWA INDIANS	Tribe	To furnish all labor, materials, equipment, and personnel to perform all work necessary to replace all concrete in seven (7) Government Quarter garage floors and driveways for the Turtle Mountain Reservation.	94,539	5	58,000
TURTLE MOUNTAIN COMMUNITY COLLEGE ENTERPRISES, INC.	Tribe	Description - Turtle Mountain Community College's YouthBuild program will recruit and provide 30 eligible youth per year with (a) intake assessments, learning plans, and integrated service strategies; (b) basic and 'green' construction training, in the classroom and at On-the-Job training sites; (c) leadership training and mentoring of participants/engagement in Youth Council and community service activities; (d) post-secondary education, work readiness and career counseling/education; and (e) post-YouthBuild counseling, placement and follow-up.	664,212	4.11	372,788
CASS RURAL WATER USERS INC	Water	Cass Rural Water Users District - Casselton / Kindred Project - Water line construction to improve water service to the cities of Casselton, Kindred, Davenport and Mapleton as well as the other residential users in this part of the system. Total population effected by the project is nearly 5,000 people.	3,750,000	10.5	852,250
GARRISON DIVERSION CONSERVANCY DISTRICT	Water	Construction of the Southwest Pipeline Project's Oliver, Mercer, North Dunn Water Treatment Plant (WTP) and South Central Regional Water District's (SCRWD) Emmons County Intake and WTP and the North Burleigh WTP Phase 2 Projects. The Southwest Pipeline Project includes membrane procurement for the 5 MGD WTP near Zap, ND-\$2,900,000; WTP Building and Equipment installation-\$6,700,000; Engineering Consultant will provide design, cost estimates, and construction administration-\$1,375,800; Construction Contingencies for SWPP total \$803,350. The SCRWD project includes 3 additional Angle Wells to supply water to the North Burleigh WTP at a total cost \$1,000,000 (\$250,000 cost share by SCRWD and \$750,000 ARRA funds); Filter and Pump Expansion to North Burleigh WTP at a total cost of \$2,800,000 (\$700,000 cost share by SCRWD and \$2,100,000 ARRA funds); Emmons County Water Supply Intake at a total cost of \$3,700,000 (\$925,000 cost share by SCRWD and \$2,775,000 ARRA funds); Emmons County 2.5 MGD WTP at a total cost of \$8,500,000 (\$2,125,000 cost share by SCRWD and \$6,375,000 ARRA funds); Emmons County WTP Storage (Standpipe) at a total cost of \$1,500,000 (\$375,000 cost share by SCRWD and \$1,125,000 ARRA funds); Emmons County Transmission Pipeline-42 miles of 8' to 16' pipeline from the WTP at a total cost of \$5,215,000 (\$1,303,750 cost share by SCRWD and \$3,911,250 ARRA funds); Engineering Consultant will provide design, cost estimates and construction administration for SCRWD project at a total cost of \$3,250,000 (\$812,500 cost share by SCRWD and \$2,437,500 ARRA funds); Construction Contingencies for SCRWD projects at a total cost of \$505,850 (\$158,750 cost share by SCRWD and \$347,100 ARRA funds). Salaries and wages for Garrison Diversion and State Water Commission staff total \$195,000.	31,800,000	14.84	2,420,670

Recipient Name	Recipient Type	Award Description	Award Amount	Number of Jobs	Federal Funds Received
NORTH CENTRAL RURAL WATER CONSORTIUM II	Water	Grant is to construct the Mountrail Phase I rural water project to provide safe potable water to residents of the area.	5,340,000	0.56	302,618
NORTH CENTRAL RURAL WATER CONSORTIUM II	Water	TAS 96-3134, Construction, Recovery Act P2#327871, OSD# 13692, PPA W9128F-10-3-009 for Design and Construction Assistance for Wells County Water System Phase I Project, Minot, ND.	465,000	0.14	10,885
SOUTH EAST WATER USERS DISTRICT	Water	Drinking Water Storage Reservoir Improvements to provide an ample supply of safe drinking water to 483 rural and small town households and businesses.	900,000	2.09	361,196
STATE LINE WATER CO-OPERATIVE	Water	State Line Water Improvement.	245,000	0.05	245,000
Total	420		\$ 720,192,387	3,679.22	\$ 366,901,994