

# CSU Sustainability Research Projects - 2019

ACCOUNT_NBR	PERSON_FULL_NM	PERSON_ROLE	SUSTAINABLE	PROJECT TITLE	SPONSOR NAME
5304390	Reardon,Kenneth F	Primary PI	X	C2B2 Site Activities at CSU (biorefining and biofuels)	University of Colorado
5334870	Sampath,Walajabad S	Primary PI	X	INDUSTRIAL COST SHARING: I/UCRC for Next Generation Photovoltaics	Various "For Profit" Sponsors
5391930	Enns,Richard Mark	Primary PI	X	Use of Pooled Genotyping and Next Generation Sequencing Strategy for Development of Marker Molecular Breeding...(sustainable breeding practices)	USDA-NIFA-National Institute of Food and Agriculture
5342001	Laituri,Melinda J	Primary PI	X	Water Rights Activity Assessment	DOI-NPS-National Park Service
5322056	Sibold,Jason Scott	Primary PI	X	Spruce Beetle-Wildfire Interactions in the Southern Rocky Mountains	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5380541	Parton,William J	Primary PI	X	USDA Agriculture and Forestry Greenhouse Gas Inventories and the Potential of Different Cropping Systems, Includ...	USDA-ARS-Agricultural Research Service
5333042	Poff,N LeRoy	Primary PI	X	Climate Change, Biological Invasion, and Water Management in Western Riparian Forests	DOI-USGS-Geological Survey
5333047	Sibold,Jason Scott	Primary PI	X	Utilizing a Geospatial Framework to Delineate the Extent and Timing of Drought Related Impacts in Semi-Arid Woodland ...	DOI-USGS-Geological Survey
5300515	Paschke,Mark W	Primary PI	X	Best Management Practices for Restoration of Colorado Salt Desert Vegetation	DOI-BLM-Bureau of Land Management
5300523	Aldridge,Cameron	Primary PI	X	CESU-RM: Assessing the Effectiveness of Core Areas for Greater Sage Grouse Conservation: Implications of Future Climates and Oil and Gas Development	DOI-USGS-Geological Survey
5345990	Peers,Graham	Primary PI	X	Optimization of Energy Flow through Synthetic Metabolic Modules and Regulatory Networks in a Model Photosynthetic...	DOE-US Department of Energy
5301686	De Long,Susan K	Co-PI	X	TDI NSZD Remedies, Sediments, and Heavy Hydrocarbon Soils.	Chevron Corporation
5301686	Ronayne,Michael J	Key Person	X	TDI NSZD Remedies, Sediments, and Heavy Hydrocarbon Soils.	Chevron Corporation
5301686	Sale,Thomas C	Primary PI	X	TDI NSZD Remedies, Sediments, and Heavy Hydrocarbon Soils.	Chevron Corporation
5388040	Bradley,Thomas Heenan	Primary PI	X	EFRI-PSBR: Integrated Design of Cyanobacterial Biorefineries	NSF-National Science Foundation
5388040	Dandy,David S	Co-PI	X	EFRI-PSBR: Integrated Design of Cyanobacterial Biorefineries	NSF-National Science Foundation
5388040	Peebles,Christie Ann Marie	Co-PI	X	EFRI-PSBR: Integrated Design of Cyanobacterial Biorefineries	NSF-National Science Foundation
5388040	Peers,Graham	Co-PI	X	EFRI-PSBR: Integrated Design of Cyanobacterial Biorefineries	NSF-National Science Foundation
5388040	Reardon,Kenneth F	Co-PI	X	EFRI-PSBR: Integrated Design of Cyanobacterial Biorefineries	NSF-National Science Foundation
5309077	Myrick,Christopher A	Primary PI	X	If You Feed Them, Will They Grow? A Dietary Approach to Improving the Growth of Juvenile Cutthroat Trout	University of Washington
5308102	Hobbs,Nicholas Thompson	Primary PI	X	Forecasting in Support of Adaptive Management of the Rocky Mountain National Park Elk Herd	DOI-NPS-National Park Service
5300375	Doherty Jr,Paul F	Primary PI	X	CESU-RM: Proposal for Review and Revision of the Alaska Migratory Bird Co-Management Council Subsistence Harvest Survey	DOI-USFWS-Fish and Wildlife Service
5314017	Kelly,Eugene F	Primary PI	X	Development of Wheat Quality, Wheat Based Crop Production Systems and Alternative Bio-Energy Crops for the Central...	USDA-ARS-Agricultural Research Service
5318939	Clark,Maggie Lynn	Key Person	X	Cookstove Air Pollution: Emission Profiles and Subclinical Effects of Exposure	HHS-NIH-Natl Inst of Environ Health Serv
5318939	Peel,Jennifer L	Primary PI	X	Cookstove Air Pollution: Emission Profiles and Subclinical Effects of Exposure	HHS-NIH-Natl Inst of Environ Health Serv
5318939	Ryan,Elizabeth P	Key Person	X	Cookstove Air Pollution: Emission Profiles and Subclinical Effects of Exposure	HHS-NIH-Natl Inst of Environ Health Serv
5318939	Volkens,John	Co-PI	X	Cookstove Air Pollution: Emission Profiles and Subclinical Effects of Exposure	HHS-NIH-Natl Inst of Environ Health Serv
5300882	Peel,Jennifer L	Primary PI	X	Cookstove Air Pollution: Emission Profiles and Subclinical Effects of Exposure	HHS-NIH-Natl Inst of Environ Health Serv
5339690	Chiu,Jui-Yuan	Primary PI	X	CloudSat Science	California Institute of Technology/Jet Propulsion Lab
5339760	Stephens,Graeme L	Co-PI	X	CloudSat DPC (CIRA)	California Institute of Technology/Jet Propulsion Lab
5315900	Cottrell,Stuart P	Primary PI	X	Collaborative Research: Water Quality & Supply Impacts from Climate-Induced Insect Tree Mortality & Resource ...	NSF-National Science Foundation
5315200	Cottrell,Stuart P	Primary PI	X	Collaborative Research: Water Quality and Supply Impacts from Climate-Induced Insect Tree Mortality & Resource ...	NSF-National Science Foundation
5315890	Cottrell,Stuart P	Primary PI	X	Collaborative Research: Water Quality & Supply Impacts from Climate-Induced Insect Tree Mortality & Resource ...	NSF-National Science Foundation
5370350	Wallenstein,Matthew	Primary PI	X	CAREER: Microbial Allocation of Assimilated Carbon: Interactions between Temperature, Substrate Quality?	NSF-Polar Programs
5388230	Cheng,Anthony S	Primary PI	X	Development and Implementation of an Effectiveness Monitoring Strategy for the Colorado Wildfire Risk Reduction Grant ...	Colorado Department of Natural Resources
5388230	Hoffman,Chad M	Co-PI	X	Development and Implementation of an Effectiveness Monitoring Strategy for the Colorado Wildfire Risk Reduction Grant ...	Colorado Department of Natural Resources
5309476	Cheng,Anthony S	Primary PI	X	Development and Implementation of an Effectiveness Monitoring Strategy for the Colorado Wildfire Risk Reduction Grant ...	Colorado Department of Natural Resources
5309476	Hoffman,Chad M	Co-PI	X	Development and Implementation of an Effectiveness Monitoring Strategy for the Colorado Wildfire Risk Reduction Grant ...	Colorado Department of Natural Resources
5388231	Cheng,Anthony S	Primary PI	X	CSA (5352106-5388230) Development and Implementation of an Effectiveness Monitoring Strategy for the Colorado Wildfire Risk Reduction Grant ...	Colorado Department of Natural Resources
5388231	Hoffman,Chad M	Co-PI	X	CSA (5352106-5388230) Development and Implementation of an Effectiveness Monitoring Strategy for the Colorado Wildfire Risk Reduction Grant ...	Colorado Department of Natural Resources
5389690	Arabi,Mazdak	Primary PI	X	Improve and Enhance the Object Modeling System (OMS) for Building New Models and Conservation Tools and Transferring This Technology	USDA-ARS-Agricultural Research Service
5390570	Chavez,Jose L	Primary PI	X	Estimating Evapotranspiration and Plant Water Stress with Remote Sensing	USDA-ARS-Agricultural Research Service
5317551	Rathburn,Sara L	Primary PI	X	Assessing the Annual Sediment Budget on a Reach of the Toltlat River, Denali National Park, AK	DOI-NPS-National Park Service
5300014	Wallner,Stephen J	Primary PI	X	Cryotherapy of Horticultural Crops	USDA-ARS-Agricultural Research Service
5300274	Atadero,Rebecca A	Co-PI	X	Post-Fire Ground Treatments for Protection of Critical Transportation Structures	North Dakota State University
5300274	Bareither,Christopher Alan	Primary PI	X	Post-Fire Ground Treatments for Protection of Critical Transportation Structures	North Dakota State University
5300274	Heyliger,Paul R	Co-PI	X	Post-Fire Ground Treatments for Protection of Critical Transportation Structures	North Dakota State University
5300275	Atadero,Rebecca A	Co-PI	X	Reducing Flood Vulnerability of Communities with Limited Road Access by Optimizing Bridge Elevation	North Dakota State University
5300275	Senior,Bolivar A	Co-PI	X	Reducing Flood Vulnerability of Communities with Limited Road Access by Optimizing Bridge Elevation	North Dakota State University
5300275	van de Lindt,John W	Primary PI	X	Reducing Flood Vulnerability of Communities with Limited Road Access by Optimizing Bridge Elevation	North Dakota State University
5300276	Atadero,Rebecca A	Co-PI	X	Analytical Modeling for Progressive Failure Assessment of Curved and Skewed Highway Bridges Subjected to Seis. (sustainable and more resilient materials)	North Dakota State University
5300276	Chen,Suren	Primary PI	X	Analytical Modeling for Progressive Failure Assessment of Curved and Skewed Highway Bridges Subjected to Seis. (sustainable and more resilient materials)	North Dakota State University
5300277	Atadero,Rebecca A	Co-PI	X	A Modified Approach for Predicting Fracture of Steel Components under Combined Large Inelastic Axial and Shear. (sustainable and more resilient materials)	North Dakota State University
5300277	Mahmoud,Hussam N	Primary PI	X	A Modified Approach for Predicting Fracture of Steel Components under Combined Large Inelastic Axial and Shear. (sustainable and more resilient materials)	North Dakota State University
5300942	Atadero,Rebecca A	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Bareither,Christopher Alan	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Chen,Suren	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Glick,Scott Alan	Key Person	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Heyliger,Paul R	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Mahmoud,Hussam N	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Niemann,Jeffrey D	Primary PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Ozbek,Mehmet Egemen	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	Strong,Kelly Charles	Key Person	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300942	van de Lindt,John W	Co-PI	X	Incorporating River Network Structure for Improved Hydrologic Design of Transportation Infrastructure	North Dakota State University
5300943	Atadero,Rebecca A	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Bareither,Christopher Alan	Primary PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Chen,Suren	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Glick,Scott Alan	Key Person	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Heyliger,Paul R	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Mahmoud,Hussam N	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Niemann,Jeffrey D	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Ozbek,Mehmet Egemen	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	Strong,Kelly Charles	Key Person	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300943	van de Lindt,John W	Co-PI	X	Numerical Analysis of Soil-Structure Interaction for Debris Flos Mitigation Systems	North Dakota State University
5300947	Atadero,Rebecca A	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Bareither,Christopher Alan	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Chen,Suren	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Glick,Scott Alan	Key Person	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University

5300947	Heyliger,Paul R	Primary PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Mahmoud,Hussam N	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Niemann,Jeffrey D	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Ozbek,Mehmet Egemen	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	Strong,Kelly Charles	Key Person	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300947	van de Lindt,John W	Co-PI	X	Sustainable Heated Pavements for Infrastructure Longevity, Safety and Economic Competitiveness	North Dakota State University
5300948	Atadero,Rebecca A	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Bareither,Christopher Alan	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Chen,Suren	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Glick,Scott Alan	Key Person	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Heyliger,Paul R	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Mahmoud,Hussam N	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Niemann,Jeffrey D	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Ozbek,Mehmet Egemen	Co-PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	Strong,Kelly Charles	Key Person	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5300948	van de Lindt,John W	Primary PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges	North Dakota State University
5301165	Chen,Suren	Primary PI	X	Interaction Analysis of Girder Bridges and Traffic System Subjected to Earthquakes Year 2 (sustainable and more resilient materials)	North Dakota State University
5301171	van de Lindt,John W	Primary PI	X	Investigation of Cross-Laminated Timber Bridge Decks as a Sustainable Solution for Repair of Deficient Rural Wood Bridges Year 2	North Dakota State University
5301173	Mahmoud,Hussam N	Primary PI	X	Experimental Evaluation of a New Double Composite System for Steel Bridges (sustainable and more resilient materials)	North Dakota State University
5301194	Bareither,Christopher Alan	Primary PI	X	Post-Fire Ground Treatments for Protection of Critical Transportation Structures	North Dakota State University
5301194	Heyliger,Paul R	Co-PI	X	Post-Fire Ground Treatments for Protection of Critical Transportation Structures	North Dakota State University
5346001	Perera,Rushika Michelle	Primary PI	X	Metabolomics-based Discovery of Small Molecule Biomarkers for Noninvasive Dengue Diagnosis and Prognosis (human health)	HHS-NIH-NIAID-Allergy and Infect Diseases
5346003	Perera,Rushika Michelle	Primary PI	X	Metabolomics-Based Discovery of Small Molecule Biomarkers for Noninvasive Dengue (human health)	HHS-NIH-NIAID-Allergy and Infect Diseases
5314008	Byrne,Patrick F	Primary PI	X	Hydrothermal Effects on Seed Germination and Emergence in the Context of Soil Properties and Climate Change	USDA-ARS-Agricultural Research Service
5300476	Farmer,Delphine Kasimira	Primary PI	X	Observational Constraints on the Mechanisms that Control Size- and Chemistry-resolved Aerosol Fluxes over a Colorado...	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5333046	Hoeting,Jennifer A	Primary PI	X	Integration of Decision-Making with Predictive Capacity for Decadal Climate Impacts	NSF-National Science Foundation
5308751	Antolin,Michael F	Primary PI	X	Extending USGS Plague Research: Disease Maintenance and Vector Control	DOI-USGS-Geological Survey
5360660	Hughes,Harrison G	Key Person	X	Development of Stress Tolerant, Turf-Type Saltgrass Varieties	US Golf Association - Green Section Research
5360660	Koski,Anthony J	Co-PI	X	Development of Stress Tolerant, Turf-Type Saltgrass Varieties	US Golf Association - Green Section Research
5360660	Qian,Yaling	Primary PI	X	Development of Stress Tolerant, Turf-Type Saltgrass Varieties	US Golf Association - Green Section Research
5349460	Broders,Kirk Dale	Primary PI	X	A Predictive Model to Increase Adoption of IPM of a Mite-Virus Disease Complex in Wheat	University of Nebraska
5378660	Goemans,Christopher G	Primary PI	X	General Equilibrium Model of Ecosystem Services	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5387990	Kelly,Eugene F	Primary PI	X	Rehabilitating Soil Productivity Following Severe Wildfire	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5391600	Cotrufu,Maria Francesca	Co-PI	X	Sustainable Biofuel Feedstocks from Beetle-Killed Wood: Bioenergy Alliance Network of the Rockies (BANR)	USDA-NIFA-National Institute of Food and Agriculture
5391600	Moore,John C	Co-PI	X	Sustainable Biofuel Feedstocks from Beetle-Killed Wood: Bioenergy Alliance Network of the Rockies (BANR)	USDA-NIFA-National Institute of Food and Agriculture
5391600	Paustian,Keith H	Primary PI	X	Sustainable Biofuel Feedstocks from Beetle-Killed Wood: Bioenergy Alliance Network of the Rockies (BANR)	USDA-NIFA-National Institute of Food and Agriculture
5391600	Reardon,Kenneth F	Co-PI	X	Sustainable Biofuel Feedstocks from Beetle-Killed Wood: Bioenergy Alliance Network of the Rockies (BANR)	USDA-NIFA-National Institute of Food and Agriculture
5386660	Aster,Richard C	Primary PI	X	Collaborative Research: Mantle Structure and Dynamics of the Ross Sea from a Passive Seismic Deployment on the R...	NSF-Polar Programs
5338301	Boone,Randall B	Co-PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338301	Conant,Richard T	Co-PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338301	Kampf,Stephanie K	Co-PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338301	Moore,John C	Primary PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338301	Wallenstein,Matthew	Key Person	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338302	Boone,Randall B	Co-PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338302	Conant,Richard T	Co-PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338302	Kampf,Stephanie K	Co-PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338302	Moore,John C	Primary PI	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5338302	Wallenstein,Matthew	Key Person	X	Pathways to Environmental Science and Sustainability	NSF-National Science Foundation
5322035	Schumacher,Russ Stanley	Primary PI	X	Collaborative Research: Measurement and Analysis of Nocturnal Mesoscale Convective Systems and Their Stable Boundary...(weather research)	NSF-National Science Foundation
5300318	Reising,Steven C	Primary PI	X	Wide-band Millimeter and Sub-Millimeter Wave Radiometer Instrument to Measure Tropospheric Water and Cloud ICE (TWICE)	NASA-National Aeronautics and Space Administration
5301163	Reising,Steven C	Primary PI	X	Wide-band Millimeter and Sub-Millimeter Wave Radiometer Instrument to Measure Tropospheric Water and Cloud ICE (TWICE)	NASA-National Aeronautics and Space Administration
5319008	Strauss,Steven H	Primary PI	X	Molecular Design of Air-Stable n-type Fluorocarbon Semiconductors	NSF-National Science Foundation
5319041	Strauss,Steven H	Primary PI	X	BRIAN REEVES: REU: Molecular Design of Air-Stable n-type Fluorocarbon Semiconductors	NSF-National Science Foundation
5321431	Lefsky,Michael A	Primary PI	X	Mapping Historical Forest Cover for Puerto Rico	USDA-USFS-Intl Inst Tropical Forestry
5300522	Laituri,Melinda J	Primary PI	X	CESU-RM: Digital Asset Management, Geographic Information Systems, Remote Sensing, Global Positioning Systems and Mobile Mapp...(cooperative ecosystems study)	DOI-NPS-National Park Service
5300542	Farmer,Delphine Kasimira	Co-PI	X	Following Emissions from Non-Traditional Oil and Gas Development Through their Impact on Tropospheric Ozone	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300542	Fischer,Emily V	Primary PI	X	Following Emissions from Non-Traditional Oil and Gas Development Through their Impact on Tropospheric Ozone	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300564	Farmer,Delphine Kasimira	Primary PI	X	Following Emissions from Non-Traditional Oil and Gas Development Through their Impact on Tropospheric Ozone	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300564	Fischer,Emily V	Co-PI	X	Following Emissions from Non-Traditional Oil and Gas Development Through their Impact on Tropospheric Ozone	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5368830	Cooley,Daniel Stuart	Primary PI	X	Advancing Extreme Value Analysis of High Impact Climate and Weather Events	NSF-National Science Foundation
5377380	Opsomer,Jean D	Primary PI	X	Cooperative Research in Ecological Statistics	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5388110	Lefsky,Michael A	Primary PI	X	Creation of Landsat Phenologies for Puerto Rico	USDA-USFS-Forest Research
5300137	Wei,Yu	Primary PI	X	Large Wildland Fire Resource Requirements	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5370522	Mathiason,Candace K	Primary PI	X	Detection and Characterization of Blood-borne Prions	HHS-NIH-NIAID-Allergy and Infect Diseases
5388006	Gaines,Todd A	Primary PI	X	Evaluate Dicamba Formulations for Control of Multiple Kochia Accessions from the Central Great Plains and Canada	BASF Corporation
5388006	Westra,Philip	Co-PI	X	Evaluate Dicamba Formulations for Control of Multiple Kochia Accessions from the Central Great Plains and Canada	BASF Corporation
5314012	Schipanski,Meagan Erin	Primary PI	X	Inter-Compare and Improve Soil-Crop Models for Evaluating Effects of Climate Change and Adaptations on Production ...	USDA-ARS-Agricultural Research Service
5300481	Marchese,Anthony	Co-PI	X	Pre-Ionization Controlled Laser Plasma Formation (energy research)	DOE-US Department of Energy
5300481	Yalin,Azer P	Primary PI	X	Pre-Ionization Controlled Laser Plasma Formation (energy research)	DOE-US Department of Energy
5317865	Ojima,Dennis	Primary PI	X	North Central Climate Science Center: Drought Adaptation	DOI-USGS-Geological Survey
5365870	Rocca,Jorge G	Primary PI	X	EUV ERC Industry Cash Memberships-CSU Research & Education (EUV light research)	Various "For Profit" Sponsors
5310010	Martin,Patrick H	Primary PI	X	RCN: Towards a Unified Ecology of Tropical Montane Cloud Forests	NSF-National Science Foundation
5310060	Martin,Patrick H	Primary PI	X	Participant Support for RCN: Towards a Unified Ecology of Tropical Montane Cloud Forests	NSF-National Science Foundation
5377950	Byrne,Patrick F	Primary PI	X	Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium (genetic diversity to enhance crop yield and food security)	NSF-National Science Foundation
5377950	Haley,Scott D	Co-PI	X	Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium (genetic diversity to enhance crop yield and food security)	NSF-National Science Foundation
5379950	Byrne,Patrick F	Primary PI	X	Industry Cost Sharing: IUCRC for Collaborative Research: Wheat Genetics Resource Center (genetic diversity to enhance crop yield and food security)	Various "For Profit" Sponsors
5379950	Haley,Scott D	Co-PI	X	Industry Cost Sharing: IUCRC for Collaborative Research: Wheat Genetics Resource Center (genetic diversity to enhance crop yield and food security)	Various "For Profit" Sponsors
5377951	Byrne,Patrick F	Primary PI	X	Participant Support: REU: IUCRC - Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium (genetic diversity to enhance crop yield and food security)	NSF-National Science Foundation
5350052	Byrne,Patrick F	Primary PI	X	REU Supplement: Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium (genetic diversity to enhance crop yield and food security)	NSF-National Science Foundation

5350052	Haley,Scott D	Co-PI	X	REU Supplement: Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium (genetic diversity to enhance crop yield and food security)	NSF-National Science Foundation
5388250	Noon,Barry R	Primary PI	X	Surrogate Species for Wetland-Dependent Birds in the Prairie Pothole Region: Selection, Evaluation and Management	DOI-USGS-Geological Survey
5358001	Arabi,Mazdak	Primary PI	X	Admin. Account for Center for System-Level Optimal Strategies for Nutrient Management (EPA nutrient management)	EPA-Environmental Protection Agency
5358001	Bledsoe,Brian	Co-PI	X	Admin. Account for Center for System-Level Optimal Strategies for Nutrient Management (EPA nutrient management)	EPA-Environmental Protection Agency
5358001	Grigg,Neil S	Co-PI	X	Admin. Account for Center for System-Level Optimal Strategies for Nutrient Management (EPA nutrient management)	EPA-Environmental Protection Agency
5358001	Hoag,Dana Loyd Keske	Co-PI	X	Admin. Account for Center for System-Level Optimal Strategies for Nutrient Management (EPA nutrient management)	EPA-Environmental Protection Agency
5358001	Roegner,Larry A	Key Person	X	Admin. Account for Center for System-Level Optimal Strategies for Nutrient Management (EPA nutrient management)	EPA-Environmental Protection Agency
5358001	Sharvelle,Sybil E	Co-PI	X	Admin. Account for Center for System-Level Optimal Strategies for Nutrient Management (EPA nutrient management)	EPA-Environmental Protection Agency
5358002	Sharvelle,Sybil E	Primary PI	X	Achieving Nutrient Reductions Through Innovative Approaches for Wastewater Management and Water Demand Reduction	EPA-Environmental Protection Agency
5358003	Arabi,Mazdak	Primary PI	X	Urban Stormwater Management: Evaluation of Simple Retrofits/Design Enhancements & Development of Simple Assessment Tools	EPA-Environmental Protection Agency
5358004	Arabi,Mazdak	Primary PI	X	Nutrient Reductions in Agricultural Watersheds: Intentional Planning, Implementation and Maintenance	EPA-Environmental Protection Agency
5358005	Arabi,Mazdak	Primary PI	X	Fluvial Instability and Riparian Degradation: Evaluating and Reducing Nutrient Loading from Channel-Riparian?	EPA-Environmental Protection Agency
5358006	Hoag,Dana Loyd Keske	Primary PI	X	Effective Incentives and Viable Trans-Sectoral Trading Strategies (agricultural and resource economics)	EPA-Environmental Protection Agency
5358007	Arabi,Mazdak	Primary PI	X	Accessible Nutrient Data, Analysis and Modeling Dashboard for the Nation	EPA-Environmental Protection Agency
5358008	Arabi,Mazdak	Primary PI	X	Assessing Nutrient Management Tradeoff and Targets Under Uncertainty	EPA-Environmental Protection Agency
5337052	Smith,Melinda Dianne	Primary PI	X	RCN: A Global Network to Assess Terrestrial Ecosystem Sensitivity to Drought	NSF-Biological Sciences
5337078	Smith,Melinda Dianne	Primary PI	X	PARTICIPANT SUPPORT: RCN: A Global Network to Assess Terrestrial Ecosystem Sensitivity to Drought	NSF-Biological Sciences
5378012	Engle,Terry E	Co-PI	X	The Effect of Corn Silage Variety and Diet Concentration on Feedlot Performance and Carcass Merit in Yearling ...	DAS-Dow AgroSciences, LLC
5378012	Wagner,John Joseph	Primary PI	X	The Effect of Corn Silage Variety and Diet Concentration on Feedlot Performance and Carcass Merit in Yearling ...	DAS-Dow AgroSciences, LLC
5319028	Thompson,David	Primary PI	X	An Integrated Observational/Modeling Assessment of the Effects of Recent and Future Arctic Change on Weather Systems I...	University of Colorado
5300027	McKay,John K	Primary PI	X	Biofuels in the Arid West: Germplasm Development for Sustainable Production of Camelina Oilseed	DOE-US Department of Energy
5328425	Aldridge,Cameron	Primary PI	X	Mitigation and Restoration Design for Wyoming	DOI-USGS-Geological Survey
5383920	Wilson,Kenneth R	Primary PI	X	2010 Piceance Basin Wildlife and Habitat Studies: Master (Extensive plant, wildlife, and archaeological survey to minimize impact of development)	Exxon Mobil Corporation
5300113	Crooks,Kevin	Co-PI	X	Study 1 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development.	Exxon Mobil Corporation
5300113	Goldstein,Liba Pejchar	Co-PI	X	Study 1 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development.	Exxon Mobil Corporation
5300113	Paschke,Mark W	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development.	Exxon Mobil Corporation
5300113	Wilson,Kenneth R	Primary PI	X	Study 1 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development.	Exxon Mobil Corporation
5300113	Wittemyer,George	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development.	Exxon Mobil Corporation
5300114	Crooks,Kevin	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300114	Goldstein,Liba Pejchar	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300114	Paschke,Mark W	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300114	Wilson,Kenneth R	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300114	Wittemyer,George	Primary PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300116	Crooks,Kevin	Co-PI	X	Study 7 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300116	Goldstein,Liba Pejchar	Co-PI	X	Study 7 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300116	Paschke,Mark W	Co-PI	X	Study 7 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300116	Wilson,Kenneth R	Primary PI	X	Study 7 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300116	Wittemyer,George	Co-PI	X	Study 7 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300117	Crooks,Kevin	Co-PI	X	Study 8 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300117	Goldstein,Liba Pejchar	Co-PI	X	Study 8 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300117	Paschke,Mark W	Primary PI	X	Study 8 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300117	Wilson,Kenneth R	Co-PI	X	Study 8 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300117	Wittemyer,George	Co-PI	X	Study 8 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300118	Crooks,Kevin	Primary PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300118	Goldstein,Liba Pejchar	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300118	Paschke,Mark W	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300118	Wilson,Kenneth R	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5300118	Wittemyer,George	Co-PI	X	Study 9 2014 Piceance Basin Wildlife Extensive plant, wildlife, and archaeological survey to minimize impact of development	Exxon Mobil Corporation
5379660	Doherty Jr,Paul F	Primary PI	X	Study 2 2013 Piceance Basin Evaluation of Fetal and Neonatal Survival of Mule Deer	Exxon Mobil Corporation
5379660	Goldstein,Liba Pejchar	Co-PI	X	Study 2 2013 Piceance Basin Evaluation of Fetal and Neonatal Survival of Mule Deer	Exxon Mobil Corporation
5379660	Noon,Barry R	Co-PI	X	Study 2 2013 Piceance Basin Evaluation of Fetal and Neonatal Survival of Mule Deer	Exxon Mobil Corporation
5379660	Paschke,Mark W	Co-PI	X	Study 2 2013 Piceance Basin Evaluation of Fetal and Neonatal Survival of Mule Deer	Exxon Mobil Corporation
5379660	Wilson,Kenneth R	Co-PI	X	Study 2 2013 Piceance Basin Evaluation of Fetal and Neonatal Survival of Mule Deer	Exxon Mobil Corporation
5379670	Doherty Jr,Paul F	Co-PI	X	Study 3 2013 Piceance Basin Lek-Based Monitoring of Greater Sage-Grouse	Exxon Mobil Corporation
5379670	Goldstein,Liba Pejchar	Co-PI	X	Study 3 2013 Piceance Basin Lek-Based Monitoring of Greater Sage-Grouse	Exxon Mobil Corporation
5379670	Noon,Barry R	Primary PI	X	Study 3 2013 Piceance Basin Lek-Based Monitoring of Greater Sage-Grouse	Exxon Mobil Corporation
5379670	Paschke,Mark W	Co-PI	X	Study 3 2013 Piceance Basin Lek-Based Monitoring of Greater Sage-Grouse	Exxon Mobil Corporation
5379670	Wilson,Kenneth R	Co-PI	X	Study 3 2013 Piceance Basin Lek-Based Monitoring of Greater Sage-Grouse	Exxon Mobil Corporation
5379680	Doherty Jr,Paul F	Co-PI	X	Study 5 2013 Piceance Basin Wildlife Response to Restoration	Exxon Mobil Corporation
5379680	Goldstein,Liba Pejchar	Primary PI	X	Study 5 2013 Piceance Basin Wildlife Response to Restoration	Exxon Mobil Corporation
5379680	Noon,Barry R	Co-PI	X	Study 5 2013 Piceance Basin Wildlife Response to Restoration	Exxon Mobil Corporation
5379680	Paschke,Mark W	Co-PI	X	Study 5 2013 Piceance Basin Wildlife Response to Restoration	Exxon Mobil Corporation
5379680	Wilson,Kenneth R	Co-PI	X	Study 5 2013 Piceance Basin Wildlife Response to Restoration	Exxon Mobil Corporation
5379690	Doherty Jr,Paul F	Co-PI	X	Study 6 2013 Piceance Basin Assessing Ecological Importance of Acoustical Environments	Exxon Mobil Corporation
5379690	Goldstein,Liba Pejchar	Co-PI	X	Study 6 2013 Piceance Basin Assessing Ecological Importance of Acoustical Environments	Exxon Mobil Corporation
5379690	Noon,Barry R	Co-PI	X	Study 6 2013 Piceance Basin Assessing Ecological Importance of Acoustical Environments	Exxon Mobil Corporation
5379690	Paschke,Mark W	Co-PI	X	Study 6 2013 Piceance Basin Assessing Ecological Importance of Acoustical Environments	Exxon Mobil Corporation
5379690	Wilson,Kenneth R	Primary PI	X	Study 6 2013 Piceance Basin Assessing Ecological Importance of Acoustical Environments	Exxon Mobil Corporation
5309124	Crooks,Kevin	Co-PI	X	Study 1 2014 Piceance Basin Wildlife (Extensive plant, wildlife, and archaeological survey to minimize impact of development)	Exxon Mobil Corporation
5309124	Goldstein,Liba Pejchar	Co-PI	X	Study 1 2014 Piceance Basin Wildlife (Extensive plant, wildlife, and archaeological survey to minimize impact of development)	Exxon Mobil Corporation
5309124	Paschke,Mark W	Co-PI	X	Study 1 2014 Piceance Basin Wildlife (Extensive plant, wildlife, and archaeological survey to minimize impact of development)	Exxon Mobil Corporation
5309124	Wilson,Kenneth R	Primary PI	X	Study 1 2014 Piceance Basin Wildlife (Extensive plant, wildlife, and archaeological survey to minimize impact of development)	Exxon Mobil Corporation
5309124	Wittemyer,George	Co-PI	X	Study 1 2014 Piceance Basin Wildlife (Extensive plant, wildlife, and archaeological survey to minimize impact of development)	Exxon Mobil Corporation
5349310	Baker,Susan S	Key Person	X	Cooking with Kids 2.0: Plus Parents and Play (reduce the risk of childhood obesity by promoting healthful food and activity environments, policies, and behaviors)	USDA-NIFA-National Institute of Food and Agriculture
5349310	Balgoral,Meena M	Key Person	X	Cooking with Kids 2.0: Plus Parents and Play (reduce the risk of childhood obesity by promoting healthful food and activity environments, policies, and behaviors)	USDA-NIFA-National Institute of Food and Agriculture
5349310	Bellows,Laura L	Key Person	X	Cooking with Kids 2.0: Plus Parents and Play (reduce the risk of childhood obesity by promoting healthful food and activity environments, policies, and behaviors)	USDA-NIFA-National Institute of Food and Agriculture
5349310	Browning,Raymond Clifton	Key Person	X	Cooking with Kids 2.0: Plus Parents and Play (reduce the risk of childhood obesity by promoting healthful food and activity environments, policies, and behaviors)	USDA-NIFA-National Institute of Food and Agriculture
5349310	Cunningham-Sabo,Leslie	Primary PI	X	Cooking with Kids 2.0: Plus Parents and Play (reduce the risk of childhood obesity by promoting healthful food and activity environments, policies, and behaviors)	USDA-NIFA-National Institute of Food and Agriculture
5349310	Kelly,Kathleen J	Key Person	X	Cooking with Kids 2.0: Plus Parents and Play (reduce the risk of childhood obesity by promoting healthful food and activity environments, policies, and behaviors)	USDA-NIFA-National Institute of Food and Agriculture

5390270	Chouinard, Hayley	Primary PI	X	CNH: Living with Locusts: Linking Livestock Markets and Grazing Practices with the Nutritional Ecology of Grass...	Arizona State University
5300386	Nelson, Peter August	Primary PI	X	Investigating the Effects of Sediment Supply, Width Variation, and Unsteady Flow on Rifle-Pool Dynamics	NSF-National Science Foundation
5314005	Manning, Dale Thomas	Primary PI	X	Modeling Forest Ecosystem Services and Demand for Water in Large Landscapes	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5314009	Swanson Jr, Louis E	Primary PI	X	Enhancing Decision-Making by Agricultural Producers in Colorado with Weather Variability: Reducing Enterprise...	USDA-ARS-Agricultural Research Service
5314009	Waskom, Reagan M	Key Person	X	Enhancing Decision-Making by Agricultural Producers in Colorado with Weather Variability: Reducing Enterprise...	USDA-ARS-Agricultural Research Service
5324202	Olea-Popelka, Francisco J	Primary PI	X	Study of Factors Relevant to the Prevention and Control of Tuberculosis in Wildlife Species	Morris Animal Foundation
5300507	Rathburn, Sara L	Primary PI	X	CESU-RM: Climate Reconstruction from Tree Rings of Populus	DOI-USGS-Geological Survey
5300524	Aldridge, Cameron	Primary PI	X	Demography and Vulnerability of Sage Grouse Populations	DOI-USGS-Geological Survey
5338080	Finke, Richard G	Primary PI	X	Nanocluster Catalyst Formation & Stabilization Fundamental Studies	DOE-US Department of Energy
5338340	Rocca, Jorge G	Primary PI	X	Generation of Bright Soft X-Ray Laser Beams	DOE-US Department of Energy
5315220	Waskom, Reagan M	Primary PI	X	SRN: Routes to Sustainability for Natural Gas Development and Water and Air Resources in the Rocky Mountain Region	University of Colorado
5301523	Hoover, Edward A	Primary PI	X	PMCA Detection of CWD Infection in Cervid and Non-Cervid Species	HHS-NIH-Neurological Disorders and Stroke
5377820	Sale, Thomas C	Primary PI	X	Benzene Longevity 2015 Continuation of Shell-CSU Collaborations	Shell Oil Company
5390210	Kreidenweis-Dandy, Sonia M	Co-PI	X	Aerosol Indirect Effects on the Anvil Characteristics, Cold Pool Forcing, Stratiform-Convective ...	DOE-US Department of Energy
5390210	Van Den Heever, Susan	Primary PI	X	Aerosol Indirect Effects on the Anvil Characteristics, Cold Pool Forcing, Stratiform-Convective ...	DOE-US Department of Energy
5390420	Ramirez, Jorge A	Primary PI	X	Application of the Variable Infiltration Capacity (VIC) Model to Estimate Water Yield and Assess Vulnerability?	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5385101	Aster, Richard C	Primary PI	X	Collaborative Research: POLENET-Antarctica: Investigating Links between Geodynamics and Ice Sheets - Phase 2	NSF-National Science Foundation
5319032	Abrams, Katherine M	Primary PI	X	White-nose Syndrome in Bats Outreach Communication Plan	DOI-NPS-National Park Service
5300376	Kummerow, Christian D	Primary PI	X	A Cooperative Institute to Investigate Satellite Applications for Regional/Global-Scale Forecasts	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300321	Schumacher, Russ Stanley	Primary PI	X	Explicit Forecasts of Recurrence Intervals for Rainfall: Evaluation and Implementation using Convection-allowing ...	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300405	Kummerow, Christian D	Primary PI	X	SSMI and SSMIS Fundamental Climate Data Record Sustainment and Maintenance	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300429	Kummerow, Christian D	Primary PI	X	Weather Satellite Data and Analysis Equipment and Support for Research Activities	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300463	Rutledge, Steven A	Primary PI	X	CIRA Support to a GOES-R Proving Ground for National Weather Service Forecaster Readiness	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300503	Vonderhaar, Thomas H	Primary PI	X	CIRA Support for Research and Development for GOES-R Risk Reduction for Mesoscale Weather Analysis and Forecasting	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300826	Kummerow, Christian D	Co-PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300826	Venkatachalam, Chandrasekaran	Primary PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300985	Kummerow, Christian D	Co-PI	X	Enhancing NIDIS Drought Monitoring and Early Warning in the Upper Colorado River Basin	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300985	Schumacher, Russ Stanley	Primary PI	X	Enhancing NIDIS Drought Monitoring and Early Warning in the Upper Colorado River Basin	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300992	Kummerow, Christian D	Co-PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300992	Labadie, John W	Primary PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5300992	Venkatachalam, Chandrasekaran	Co-PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301026	Kummerow, Christian D	Co-PI	X	EOY STAR Project: CIRA Support to RAMMB Infrastructure for GOES-R Rebroadcast Data Collection at CIRA/CSU	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301028	Kummerow, Christian D	Co-PI	X	CIRA Support to the JPSS Proving Ground and Risk Reduction Program: Improving NUCAPS Soundings for CONUS Severe Weather Applications via Data Fusion	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301029	Kummerow, Christian D	Co-PI	X	Dynamical Core Selection for the Next Generation Global Prediction System (NGGPS)	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301033	Kummerow, Christian D	Co-PI	X	Using JPSS Retrievals to Implement a Multisensor, Synoptic, Layered Water Vapor Product for Forecasters	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301041	Kummerow, Christian D	Co-PI	X	CRTM (atmospheric research)	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301128	Kummerow, Christian D	Co-PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301128	Venkatachalam, Chandrasekaran	Primary PI	X	Hydrometeorological and Water Resources Research	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301204	Kummerow, Christian D	Co-PI	X	CIRA Support to the JPSS Proving Ground and Risk Reduction Program: Cold Air Aloft Aviation Hazard - Detection using Observations from the JPSS	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301426	Kummerow, Christian D	Co-PI	X	ATMS Precipitable Water Algorithms and Products (MIRS)	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301455	Rutledge, Steven A	Primary PI	X	CIRA Support for Research and Development for GOES-R Risk Reduction for Mesoscale Weather Analysis and Forecasting and Training - PLT Project	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301458	Kummerow, Christian D	Co-PI	X	Research Collaboration at the NWS Aviation Weather Center in Support of the Aviation Weather Testbed, Aviation Weather Research Program, and the	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301744	Kummerow, Christian D	Co-PI	X	Miami Liaison - CIRA Support to a GOES-R Proving Ground for National Weather Service Forecaster Readiness and Training	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301745	Kummerow, Christian D	Co-PI	X	CIRA Support for Research and Development for GOES-R Risk Reduction for Mesoscale Weather Analysis and Forecasting and Training	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301746	Kummerow, Christian D	Co-PI	X	GOES-R Risk Reduction Data Assimilation of GLM Observations in HWRF/GSI System	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301748	Kummerow, Christian D	Co-PI	X	ATMS Precipitable Water Algorithms and Products (MIRS)	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301759	Kummerow, Christian D	Co-PI	X	Satellite Loop Interactive Data Explorer in Real-time (SLIDER) Web Interface for the NESDIS/STAR webpage	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301774	Kummerow, Christian D	Co-PI	X	CIRA Support to: Upgrade of the multiplatform satellite tropical cyclone surface wind analysis product	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301775	Kummerow, Christian D	Co-PI	X	Enhancing NIDIS drought monitoring and early warning in the Intermountain West	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301775	Schumacher, Russ Stanley	Primary PI	X	Enhancing NIDIS drought monitoring and early warning in the Intermountain West	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301297	Kummerow, Christian D	Co-PI	X	CIRA Support to the JPSS Proving Ground and Risk Reduction Program: Merged Water Vapor Products for Forecasters using Advanced Visualization Methods	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301343	Kummerow, Christian D	Co-PI	X	Educational and Technical Support NOAA's National Weather Service Training Center, Kansas City Missouri	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5302325	Kummerow, Christian D	Co-PI	X	CIRA Support to the GOES-R Risk Reduction Program: GOES-R Volcanic Ash Risk Reduction: New Operational GOES-R Decision Support within NOAA's High Resolution Rapid Refresh	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5302341	Kummerow, Christian D	Co-PI	X	CIRA Support for Joint Hurricane Testbed (JHT) Facilitator	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5302333	Kummerow, Christian D	Co-PI	X	Evaluation of Small-Satellite Architectures to Address the Future Needs of the NOAA Enterprise and its Stakeholders	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5333007	Barnes Keys, Elizabeth Adrienne	Primary PI	X	Variability of Midlatitude Transport and Mixing in a Warmer World	NSF-National Science Foundation
5333015	Champ, Joseph	Primary PI	X	Collaborative Support for Media, Journalism, and Communication Projects between RMRS Science Application? (environmental communication)	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5303811	Klein, Julia Anne	Primary PI	X	CNH-RCN: Bridging Communities and Scales through a Transdisciplinary Mountain Sustainability Network	NSF-National Science Foundation
5303812	Klein, Julia Anne	Primary PI	X	CNH-RCN: Bridging Communities and Scales through a Transdisciplinary Mountain Sustainability Network	NSF-National Science Foundation
5300466	Kampf, Stephanie K	Primary PI	X	CESU-RM: Western Mountain Initiative 2014-15 (responses, emphasizing sensitivities, thresholds, resistance, and resilience, of Western mountain ecosystems to climatic variability and chan	DOI-USGS-Geological Survey
5300466	Ojima, Dennis	Co-PI	X	CESU-RM: Western Mountain Initiative 2014-15 (responses, emphasizing sensitivities, thresholds, resistance, and resilience, of Western mountain ecosystems to climatic variability and chan	DOI-USGS-Geological Survey
5300575	Ex, Seth	Co-PI	X	Assessing Factors that Influence Landscape Fuels Treatment Effectiveness	USDA-USFS-Forest Research
5300575	Hoffman, Chad M	Primary PI	X	Assessing Factors that Influence Landscape Fuels Treatment Effectiveness	USDA-USFS-Forest Research
5300602	Bailey, Ryan T	Co-PI	X	Water Quality and Productivity Enhancement in an Irrigated River Basin through Participatory Conservation Planning and Analysis	USDA-NIFA-National Institute of Food and Agriculture
5300602	Gates, Timothy K	Primary PI	X	Water Quality and Productivity Enhancement in an Irrigated River Basin through Participatory Conservation Planning and Analysis	USDA-NIFA-National Institute of Food and Agriculture
5300602	Hoag, Dana Loyd Keske	Co-PI	X	Water Quality and Productivity Enhancement in an Irrigated River Basin through Participatory Conservation Planning and Analysis	USDA-NIFA-National Institute of Food and Agriculture
5300602	Labadie, John W	Co-PI	X	Water Quality and Productivity Enhancement in an Irrigated River Basin through Participatory Conservation Planning and Analysis	USDA-NIFA-National Institute of Food and Agriculture
5300663	Bledsoe, Brian	Co-PI	X	Upper Arkansas River Stream Rehabilitation Habitat Comparison and Vegetation Monitoring	Colorado Division of Parks and Wildlife
5300656	Clements, William H	Primary PI	X	Investigating Biogeochemical Controls on Metal Mixture Toxicity Using Stable Isotopes and Gene Expression	Colorado School of Mines
5306117	MacDonald, Lee H	Primary PI	X	Sediment Delivery to Streams from Wildfires and Roads	USDA-USFS-Forest Research
5300686	Chavez, Jose L	Co-PI	X	Arid Climate Water Management Strategies	Platte River Water Development Authority
5300686	Oad, Ramchand	Co-PI	X	Arid Climate Water Management Strategies	Platte River Water Development Authority
5300686	Shackelford, Charles D	Primary PI	X	Arid Climate Water Management Strategies	Platte River Water Development Authority
5345006	Knapp, Alan Keith	Primary PI	X	LTER: Long-Term Research on Grassland Dynamics - Assessing Mechanisms of Sensitivity and Resilience to Global Change	Kansas State University
5345007	Smith, Melinda Dianne	Primary PI	X	LTER: Long-Term Research on Grassland Dynamics: Assessing Mechanisms of Sensitivity and Resilience to Global Change	Kansas State University
5301019	Maloney, Eric D	Primary PI	X	Tropical Intraseasonal Variability in Models and Observations	NSF-National Science Foundation
5345014	Angeloni, Lisa Maria	Primary PI	X	Using Environmental Enrichment to Increase Post-stocking Survival of Hatchery Reared Fishes	Colorado Division of Parks and Wildlife
5300688	Bringi, Viswanathan N	Primary PI	X	Advanced Comprehensive Analysis of Rain Drop Shapes, Oscillation Modes, and Fall Velocities Using High-Resolution Surface Disdrometers, Polarimetric Radar, and Numerical Models	NSF-National Science Foundation
5300688	Notaros, Branislav M	Co-PI	X	Advanced Comprehensive Analysis of Rain Drop Shapes, Oscillation Modes, and Fall Velocities Using High-Resolution Surface Disdrometers, Polarimetric Radar, and Numerical Models	NSF-National Science Foundation

5315001	Schumacher,Russ Stanley	Primary PI	X	Re-establishment of Lysimeters in North Park to Determine High Altitude, Hay Meadow Crop Coefficients	Colorado Water Conservation Board
5300695	Anderson,Georgiana Brooke	Primary PI	X	Investigating Health Effects of Climate-Related Disasters in the United States	HHS-NIH-National Institutes of Health
5333501	Parton,William J	Primary PI	X	EaSM-3: Collaborative Research: Surface-Induced Forcing and Decadal Variability & Change of the East Asian Climate, Surface Hydrology & Agriculture	USDA-NIFA-National Institute of Food and Agriculture
5338305	Gruby,Rebecca L	Primary PI	X	Human Dimensions of Large Marine Protected Areas	Tiffany and Co. Foundation
5334501	Gavin,Michael	Primary PI	X	The Effects of Social Transmission Biases on Human Cultural Evolution	Max Planck Institute for History and the Sciences
5314871	Gao,Wei	Primary PI	X	Tree Interception of UV Radiation and Its Genetic Consequences	Southern University
5334002	Fischer,Emily V	Co-PI	X	Downwind of the Flames: Assessing Wildfire Smoke Related Morbidity Using Satellites, In-Situ Measurements and Models	NASA-National Aeronautics and Space Administration
5334002	Magzamen,Sheryl L	Co-PI	X	Downwind of the Flames: Assessing Wildfire Smoke Related Morbidity Using Satellites, In-Situ Measurements and Models	NASA-National Aeronautics and Space Administration
5334002	Pierce,Jeffrey Robert	Primary PI	X	Downwind of the Flames: Assessing Wildfire Smoke Related Morbidity Using Satellites, In-Situ Measurements and Models	NASA-National Aeronautics and Space Administration
5334002	Volckens,John	Co-PI	X	Downwind of the Flames: Assessing Wildfire Smoke Related Morbidity Using Satellites, In-Situ Measurements and Models	NASA-National Aeronautics and Space Administration
5314898	Abdo,Zaid	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Belk,Keith	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Boucher,Christina Anne	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Bunning,Marisa L	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Delmore,Robert J	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	McConnel,Craig S	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Morley,Paul S	Primary PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Reynolds,Stephen J	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Ruiz,Jaime G	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Thomas,Milton	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Van Metre,David C	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Woerner,Dale	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5314898	Yang,Hua	Co-PI	X	Paradigm Shift: Revolutionizing our Understanding of Antimicrobial Resistance Ecology through Whole Genome Analysis of Microbial Communities	USDA-NIFA-National Institute of Food and Agriculture
5333064	Randall,David A	Co-PI	X	Air-sea Interaction and Island Geography Impacts on MJO Initiation and Propagation Through the Maritime Continent	NSF-National Science Foundation
5300736	Mahmoud,Hussam N	Co-PI	X	R5B/Collaborative Research: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives	NSF-National Science Foundation
5300736	Peek,Lori	Co-PI	X	R5B/Collaborative Research: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives	NSF-National Science Foundation
5300736	van de Lindt,John W	Primary PI	X	R5B/Collaborative Research: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives	NSF-National Science Foundation
5300737	Mahmoud,Hussam N	Co-PI	X	R5B/Collaborative Research: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives	NSF-National Science Foundation
5300737	Peek,Lori	Co-PI	X	R5B/Collaborative Research: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives	NSF-National Science Foundation
5300737	van de Lindt,John W	Primary PI	X	R5B/Collaborative Research: A Risk-Informed Decision Framework to Achieve Resilient and Sustainable Buildings that Meet Community Objectives	NSF-National Science Foundation
5342003	Kampf,Stephanie K	Primary PI	X	Threshold Hydrologic Change across the Intermittent-Persistent Snow Transition	NSF-GEO-Geosciences
5321502	Loomis,John B	Primary PI	X	Routes to Sustainability for Natural Gas Development and Water and Air Resources in the Rocky Mountain Region	University of Colorado
5306251	Bellows,Laura L	Primary PI	X	Bridging Home and Preschool Environments to Promote Healthy Eating and Activity Behaviors and Prevent Obesity in Early Childhood	USDA-NIFA-National Institute of Food and Agriculture
5306251	Browning,Raymond Clifton	Key Person	X	Bridging Home and Preschool Environments to Promote Healthy Eating and Activity Behaviors and Prevent Obesity in Early Childhood	USDA-NIFA-National Institute of Food and Agriculture
5306251	Davies,Patricia	Co-PI	X	Bridging Home and Preschool Environments to Promote Healthy Eating and Activity Behaviors and Prevent Obesity in Early Childhood	USDA-NIFA-National Institute of Food and Agriculture
5334013	Cross,Jennifer Eileen	Primary PI	X	Sustainable Places, Health and Educational Research in Schools [SPHEReS]	EPA-Environmental Protection Agency
5334013	Dunbar,Brian H	Co-PI	X	Sustainable Places, Health and Educational Research in Schools [SPHEReS]	EPA-Environmental Protection Agency
5334013	Magzamen,Sheryl L	Co-PI	X	Sustainable Places, Health and Educational Research in Schools [SPHEReS]	EPA-Environmental Protection Agency
5334013	Reynolds,Stephen J	Co-PI	X	Sustainable Places, Health and Educational Research in Schools [SPHEReS]	EPA-Environmental Protection Agency
5334019	Magzamen,Sheryl L	Primary PI	X	Sustainable Places, Health and Educational Research in Schools [SPHEReS]	EPA-Environmental Protection Agency
5334019	Reynolds,Stephen J	Co-PI	X	Sustainable Places, Health and Educational Research in Schools [SPHEReS]	EPA-Environmental Protection Agency
5300745	Chen,Suren	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	Cutler,Harvey	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	Mahmoud,Hussam N	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	Peek,Lori	Co-PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	Shields,Martin	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	Tavani,Daniele	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	Zahran,Sammy J	Co-PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300745	van de Lindt,John W	Primary PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Chen,Suren	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Cutler,Harvey	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Mahmoud,Hussam N	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Peek,Lori	Co-PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Shields,Martin	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Tavani,Daniele	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	Zahran,Sammy J	Co-PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300803	van de Lindt,John W	Primary PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Chen,Suren	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Cutler,Harvey	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Mahmoud,Hussam N	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Peek,Lori	Co-PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Shields,Martin	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Tavani,Daniele	Key Person	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	Zahran,Sammy J	Co-PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5300804	van de Lindt,John W	Primary PI	X	Center for Risk-Based Community Resilience Planning	DOC-NIST-Nat. Inst. Standards and Tech..
5338306	Cutler,Harvey	Co-PI	X	Rural to Urban Water Transfers, Climate Change, and the Future of Rural Agricultural Economies in the Semi-Arid West: A Comparative Regional Analysis	University of Nevada
5338306	Goemans,Christopher G	Co-PI	X	Rural to Urban Water Transfers, Climate Change, and the Future of Rural Agricultural Economies in the Semi-Arid West: A Comparative Regional Analysis	University of Nevada
5338306	Manning,Dale Thomas	Primary PI	X	Rural to Urban Water Transfers, Climate Change, and the Future of Rural Agricultural Economies in the Semi-Arid West: A Comparative Regional Analysis	University of Nevada
5301827	Denning,A Scott	Primary PI	X	Tackling aerosol and CO2 uncertainties through the synergistic use of MODIS and OCO-2 observations	NASA-National Aeronautics and Space Administration
5359014	Schumacher,Russ Stanley	Primary PI	X	Global Investigation of Atmospheric Processes Associated with Extreme Rainfall	University of Miami
5300786	Bareither,Christopher Alan	Primary PI	X	Implications of Solid and Liquid Waste Co-Disposal on Organic Stability and Biochemical Compatibility	Environmental Research and Education Foundation
5300786	Sharvelle,Sybil E	Co-PI	X	Implications of Solid and Liquid Waste Co-Disposal on Organic Stability and Biochemical Compatibility	Environmental Research and Education Foundation
5359015	Denning,A Scott	Primary PI	X	REU Site: Research Experiences for Undergraduates in Climate Science at Colorado State University	NSF-National Science Foundation
5359016	Denning,A Scott	Primary PI	X	REU PORTION: REU Site: Research Experiences for Undergraduates in Climate Science at Colorado State University	NSF-National Science Foundation
5300787	Niemann,Jeffrey D	Primary PI	X	Determination of Terrain Ponding for Logistics Emplacement and Planning (Phase II) water resources	Technology Service Corporation
5301853	Niemann,Jeffrey D	Primary PI	X	Determination of Terrain Ponding for Logistics Emplacement and Planning (Phase II) water resources	Technology Service Corporation
5301021	Rutledge,Steven A	Primary PI	X	The CSU-CHILL National Facility (weather surveillance)	NSF-National Science Foundation
5301021	Venkatachalam,Chandrasekaran	Co-PI	X	The CSU-CHILL National Facility (weather surveillance)	NSF-National Science Foundation
5301023	Rutledge,Steven A	Primary PI	X	Participant Support: The CSU-CHILL National Facility (weather surveillance)	NSF-National Science Foundation

5301023	Venkatachalam,Chandrasekaran	Co-PI	X	Participant Support: The CSU-CHILL National Facility (weather surveillance)	NSF-National Science Foundation
5301339	Rutledge,Steven A	Primary PI	X	The CSU-CHILL National Facility (weather surveillance)	NSF-National Science Foundation
5301339	Venkatachalam,Chandrasekaran	Co-PI	X	The CSU-CHILL National Facility (weather surveillance)	NSF-National Science Foundation
5311003	Bush,Daniel R	Primary PI	X	Phloem Loading as a Driver of Plant Photosynthetic Responses to Carbon Supply	USDA-ARS-Agricultural Research Service
5300808	Nelson,Peter August	Primary PI	X	CAREER: Experimental and Theoretical Investigation of Sediment Supply and Sorting in Meandering Rivers	NSF-National Science Foundation
5300809	Nelson,Peter August	Primary PI	X	CAREER: Experimental and Theoretical Investigation of Sediment Supply and Sorting in Meandering Rivers	NSF-National Science Foundation
5300814	Magzamen,Sheryl L	Primary PI	X	Assessment of Joint Effects of Pesticides and Air Pollution in Pediatric Asthma	HHS-NIH-Natl Inst of Environ Health Serv
5300814	Reynolds,Stephen J	Key Person	X	Assessment of Joint Effects of Pesticides and Air Pollution in Pediatric Asthma	HHS-NIH-Natl Inst of Environ Health Serv
5300814	Tjalkens,Ronald B	Key Person	X	Assessment of Joint Effects of Pesticides and Air Pollution in Pediatric Asthma	HHS-NIH-Natl Inst of Environ Health Serv
5321506	Leach,Jan E	Primary PI	X	Quantitative Trait Locus Editing for Crop Improvement	Cornell University
5311801	Denning,A Scott	Primary PI	X	Atmospheric Carbon Transport- America (ACT-America)	NASA-NIAC-NASA Institute for Advanced Concept
5345016	Chen,Eugene Y	Primary PI	X	SusCHEM: Lewis Pair Polymerization: A Powerful Metal-Free Synthetic Strategy for Sustainable Functional Polymers	NSF-National Science Foundation
5390009	Wall,Diana H	Primary PI	X	Collaborative Research: Water Availability Controls Above-Belowground Productivity Partitioning: Herbivory versus Plant Response	NSF-National Science Foundation
5340043	Kampf,Stephanie K	Primary PI	X	CESU-RM: Investigation of Nitrogen Deposition into Loch Vale, Rocky Mountain National Park	DOI-NPS-National Park Service
5313505	Paustian,Keith H	Primary PI	X	Maintenance and enhanced development of COMET-Farm and web-based tools for implementation of agricultural conservation practices	USDA-NRCS-Natural Resources Consvtn Srv
5300921	Conant,Richard T	Primary PI	X	Reactive Nitrogen Biogeochemical Cycling in the GFDL Earth System Models: Advancing Understanding of Atmosphere-Land Interactions under Changing Climate and Land Use	DOC-NOAA-Natl Oceanic and Atmospheric Adm
5340044	Rathburn,Sara L	Primary PI	X	CESU-RM: Phase I Restoration Design, Implementation, and Effectiveness Monitoring: Upper Colorado River, Rocky Mountain National Park NPS	DOI-NPS-National Park Service
5314753	Brown,Cynthia S	Primary PI	X	Continuation of Restoration Effectiveness Program	DOI-NPS-National Park Service
5300973	Arabi,Mazdak	Primary PI	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300973	Bledsoe,Brian	Key Person	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300973	Denning,A Scott	Key Person	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300973	Grigg,Neil S	Key Person	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300973	Poff,N LeRoy	Key Person	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300973	Ramirez,Jorge A	Key Person	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300973	Sharvelle,Sybil E	Key Person	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Arabi,Mazdak	Primary PI	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Bledsoe,Brian	Key Person	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Denning,A Scott	Key Person	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Grigg,Neil S	Key Person	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Poff,N LeRoy	Key Person	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Ramirez,Jorge A	Key Person	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301079	Sharvelle,Sybil E	Key Person	X	Participant Support: SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5301151	Arabi,Mazdak	Primary PI	X	SRN: Urban Water Innovation Network (U-WIN): Transitioning Toward Sustainable Urban Water Systems	NSF-National Science Foundation
5300975	Maloney,Eric D	Primary PI	X	Development of a Framework for Process-Oriented Diagnosis of Global Models (global atmospheric modeling)	DOC-NOAA-Natl Oceanic and Atmospheric Adm
5301103	Van Den Heever,Susan	Primary PI	X	Advancing Littoral Zone Aerosol Prediction via Holistic Studies in Regime-Dependent Flows - Professor Sue van den Heever	DOD-NAVY-ONR-Office of Naval Research
5374003	Essah,Samuel YC	Primary PI	X	Potato Yield and Quality Response to Reduced Irrigation Water for Early and Medium Maturity Cultivars - Area III	Colorado Potato Administrative Committee
5300956	Bailey,Larissa	Primary PI	X	CESU-RM: Understanding Boreal Toad Feeding and Predator Avoidance Behavior (cooperative ecosystem study)	DOI-NPS-National Park Service
5396762	Boone,Randall B	Co-PI	X	IREs: Student-Led Social-Ecological Research in the Kenyan Drylands	NSF-National Science Foundation
5396762	Galvin,Kathleen	Co-PI	X	IREs: Student-Led Social-Ecological Research in the Kenyan Drylands	NSF-National Science Foundation
5396762	Moore,John C	Co-PI	X	IREs: Student-Led Social-Ecological Research in the Kenyan Drylands	NSF-National Science Foundation
5396763	Boone,Randall B	Co-PI	X	IREs: Student-Led Social-Ecological Research in the Kenyan Drylands	NSF-National Science Foundation
5396763	Galvin,Kathleen	Co-PI	X	IREs: Student-Led Social-Ecological Research in the Kenyan Drylands	NSF-National Science Foundation
5396763	Moore,John C	Co-PI	X	IREs: Student-Led Social-Ecological Research in the Kenyan Drylands	NSF-National Science Foundation
5300958	Cheng,Anthony S	Primary PI	X	Provide Science-Based Information to Aid the GMUG in Implementing Adaptive Management Strategies in Beetle Impacted Spruce-Fir Forests	USDA-USFS-Forest Research
5396701	Gavin,Michael	Primary PI	X	Towards an Integrated Understanding of Natural Resource Use and Management	NSF-National Science Foundation
5355009	Rutledge,Steven A	Primary PI	X	Investigation of Hydrometeor Distributions in Continental and Maritime Storm Systems: Application of Cloud-Resolving Cloud Simulations, a Polarimetric	DOE-US Department of Energy
5306254	Loomis,John B	Primary PI	X	A Social and Economic Investigation of Changes in Population, Demographics, Economic Conditions, and Perceived Forest Benefits As They Pertain to National Forest Use and Planning	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5300987	Sampath,Walajabad S	Primary PI	X	Collaborative Research: I/UCRC for Next Generation Photovoltaics	NSF-National Science Foundation
5301451	Sampath,Walajabad S	Primary PI	X	I/UCRC Phase II: Next Generation Photovoltaics	NSF-National Science Foundation
5301765	Sampath,Walajabad S	Primary PI	X	VRS Supplement: I/UCRC for Next Generation Photovoltaics	NSF-National Science Foundation
5391908	Byrne,Patrick F	Primary PI	X	Wheat Breeding/Research - High Throughput Phenotyping System	Colorado Wheat Administrative Committee
5335014	Sibold,Jason Scott	Primary PI	X	Adaptive Implementation of the Spruce Beetle Epidemic-Aspen Decline Management Response	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5311521	Maloney,Eric D	Primary PI	X	Process-Oriented Diagnosis and Metrics Development for the Madden-Julian Oscillation Based on Climate Simulations	University of California, Los Angeles
5345027	Schumacher,Russ Stanley	Primary PI	X	Collaborative Research: SI2-SSI: Big Weather Web: A Common and Sustainable Big Data Infrastructure in Support of Weather Prediction Research and Educa	NSF-CISE-Computer and Info Sci and Engin
5345028	Denning,A Scott	Primary PI	X	Multi-scale Land-Atmosphere Interactions: Modeling Convective Processes from Plants to Planet	DOE-US Department of Energy
5345028	Van Den Heever,Susan	Co-PI	X	Multi-scale Land-Atmosphere Interactions: Modeling Convective Processes from Plants to Planet	DOE-US Department of Energy
5315708	Davis,Jessica G	Primary PI	X	Increasing Efficiency in Cryopreservation of Clonally Maintained High Priority Germplasm Collections Using Dormant Winter Bud Technology	USDA-ARS-Agricultural Research Service
5312018	Denning,A Scott	Primary PI	X	Multiscale Land-Atmosphere Interaction in Tropical Ecosystems	DOE-US Department of Energy
5300998	Cheng,Anthony S	Primary PI	X	Support of Forest Planning	USDA-USFS-Forest Research
5300998	Schultz,Courtney Allison	Co-PI	X	Support of Forest Planning	USDA-USFS-Forest Research
5312023	Randall,David A	Primary PI	X	Accelerated Climate Modeling for Energy	DOE-NNSA-Lawrence Livermore National Laboratory
5380622	Aldridge,Cameron	Primary PI	X	Adaptive Grazing Management to Sustain Multiple Ecosystem Services in Rangeland Ecosystems	USDA-ARS-Agricultural Research Service
5333092	Ghalambor,Cameron K	Primary PI	X	An Integrative Approach to the Ecological and Evolutionary Causes of Geographic Range Limits	NSF-National Science Foundation
5333093	Ghalambor,Cameron K	Primary PI	X	Participant Support: An Integrative Approach to the Ecological and Evolutionary Causes of Geographic Range Limits	NSF-National Science Foundation
5301042	Sampath,Walajabad S	Primary PI	X	Advanced Thin-Film Photovoltaics for Sustainable Energy	NSF-National Science Foundation
5301042	Sites,James Russell	Co-PI	X	Advanced Thin-Film Photovoltaics for Sustainable Energy	NSF-National Science Foundation
5301199	Sampath,Walajabad S	Primary PI	X	PFI: AIR-RA: Advanced Thin-Film Photovoltaics for Sustainable Energy	NSF-National Science Foundation
5301199	Sites,James Russell	Co-PI	X	PFI: AIR-RA: Advanced Thin-Film Photovoltaics for Sustainable Energy	NSF-National Science Foundation
5301408	Sampath,Walajabad S	Primary PI	X	VRS Supplement for NSF AIR: RA: Advanced Thin Photovoltaics for Sustainable Energy	NSF-National Science Foundation
5301408	Sites,James Russell	Co-PI	X	VRS Supplement for NSF AIR: RA: Advanced Thin Photovoltaics for Sustainable Energy	NSF-National Science Foundation
5301046	Volckens,John	Primary PI	X	Development of a Real-time Inhalable Particle Spectrometer (air pollution technology)	HHS-CDC-Centers for Disease Control
5396702	Moore,John C	Primary PI	X	DD: HydroComp: Integrating Data, Computation and Visualization for Model-Based Water Literacy	NSF-National Science Foundation
5396703	Moore,John C	Primary PI	X	DD: HydroComp: Integrating Data, Computation and Visualization for Model-Based Water Literacy	NSF-National Science Foundation
5306255	Stewart,Jane E	Primary PI	X	Molecular Genetic Characterization of Microbes Associated with Diverse Forest Ecosystems	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5300077	Bareither,Christopher Alan	Primary PI	X	Enhancing Design of Water Balance Cover Systems Composed of Mixed Mine-Waste Materials	NSF-National Science Foundation
5300077	Heyinger,Paul R	Co-PI	X	Enhancing Design of Water Balance Cover Systems Composed of Mixed Mine-Waste Materials	NSF-National Science Foundation
5389701	Gao,Wei	Primary PI	X	Global Change/Ultraviolet Monitoring and Research Program	USDA-NIFA-National Institute of Food and Agriculture
5330012	Medford,June I	Primary PI	X	Synthetic Biological Desalination	DOD-US Department of Defense
5330012	Prasad,Ashok	Key Person	X	Synthetic Biological Desalination	DOD-US Department of Defense

5301047	Bandhauer,Todd M	Primary PI	X	Ultra-Efficient Turbo-Compression Cooling	DOE-US Department of Energy
5301139	Bandhauer,Todd M	Primary PI	X	Ultra-Efficient Turbo-Compression Cooling (Child Account for TTO)	DOE-US Department of Energy
5301052	Marchese,Anthony	Co-PI	X	Investigation of a Gas Fuel Conditioning System for Alternative Gas Fuels	Cummins Engine Company
5301052	Olsen,Daniel B	Primary PI	X	Investigation of a Gas Fuel Conditioning System for Alternative Gas Fuels	Cummins Engine Company
5320008	Webb,Colleen T	Co-PI	X	FLAPS Enhancements: Spatial Risk Modeling of Produce Contamination by Enteric Pathogens	HHS-FDA-Food and Drug Administration
5314762	Haley,Scott D	Primary PI	X	Multiple Rust-Resistant Wheat - Colorado State University	USDA-ARS-Agricultural Research Service
5314763	Ippolito,Jim	Primary PI	X	Long-Term Soil and Crop Management can be Used to Adapt to Climate Change by Increasing Soil Health, Nitrogen Use Efficiency, and Productivity	USDA-ARS-Agricultural Research Service
5309019	Berger,Joel	Primary PI	X	Novelty in a Predator-Prey System Facilitated by Humans and Climate: Polar Bears, Grizzly Bears and Muskoxen	DOI-NPS-National Park Service
5312025	Waskom,Reagan M	Primary PI	X	Trace Organic Contaminants (TOCs) in Urban Stormwater and Performance of Urban Bioretention Systems: a Field and Modeling Study	DOI-USGS-Geological Survey
5301055	Henry,Charles S	Key Person	X	A New Paradigm for Workplace Air Sampling and Cost-Effective Exposure Assessment	HHS-CDC-Centers for Disease Control
5301055	Reynolds,Stephen J	Key Person	X	A New Paradigm for Workplace Air Sampling and Cost-Effective Exposure Assessment	HHS-CDC-Centers for Disease Control
5301055	Volckens,John	Primary PI	X	A New Paradigm for Workplace Air Sampling and Cost-Effective Exposure Assessment	HHS-CDC-Centers for Disease Control
5340021	Waskom,Reagan M	Primary PI	X	MOWS - Modeling of Watershed Systems NIWR-USGS Student Internship II	DOI-USGS-Geological Survey
5345041	Anderson,Ashley A	Primary PI	X	Effective Science Communication of Natural Resource Conditions in Parks	DOI-NPS-National Park Service
5300091	Kummerow,Christian D	Key Person	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300091	Reising,Steven C	Primary PI	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300091	Venkatachalam,Chandrasekaran	Co-PI	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300092	Kummerow,Christian D	Key Person	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300092	Reising,Steven C	Primary PI	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300092	Venkatachalam,Chandrasekaran	Co-PI	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300093	Kummerow,Christian D	Key Person	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300093	Reising,Steven C	Primary PI	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300093	Venkatachalam,Chandrasekaran	Co-PI	X	Temporal Experiment for Storms and Tropical Systems (TEMPEST)	NASA-National Aeronautics and Space Administration
5300094	Laituri,Melinda J	Primary PI	X	Water Resources Tools and Database Development	DOI-NPS-National Park Service
5390015	Van Den Heever,Susan	Primary PI	X	Environmental controls on preferred convective modes and the potential for tornadogenesis	California Institute of Technology/Jet Propulsion Lab
5350007	Aldridge,Cameron	Primary PI	X	CESU-RM: Understanding the Effects of Land-Use Changes on Wildlife Populations across Ecosystems	DOI-USGS-Geological Survey
5351001	Vaske,Jerry J	Primary PI	X	Longevity of Voluntary Conservation Actions: Colorado State University's Contribution	DOI-USFWS-Fish and Wildlife Service
5313003	Breidt,F Jay	Co-PI	X	Assessing the Epidemiological and Economic Impacts of Countermeasures and Vaccination Strategies in Disease Outbreaks at the National Scale	DOI-US Department of the Interior
5313003	Pallickara,Sangmi Lee	Co-PI	X	Assessing the Epidemiological and Economic Impacts of Countermeasures and Vaccination Strategies in Disease Outbreaks at the National Scale	DOI-US Department of the Interior
5313003	Pallickara,Shrideep	Primary PI	X	Assessing the Epidemiological and Economic Impacts of Countermeasures and Vaccination Strategies in Disease Outbreaks at the National Scale	DOI-US Department of the Interior
5337091	Webb,Colleen T	Primary PI	X	U.S. Animal Movement Model (USAMM) and Disease Outbreak Simulation (USDOS): Incorporating within Herd Dynamics and Consequences for Control	DOI-US Department of the Interior
5360003	Prenni,Jessica E	Primary PI	X	Systems Analysis of the Physiological and Molecular Mechanisms of Sorghum Nitrogen Use Efficiency, Water Use Efficiency and Interactions with the Soil Microbiome."	University of Nebraska
5301071	Sampath,Walajabad S	Primary PI	X	Advanced Thin-Film Photovoltaics for Sustainable Energy (NSF)	First Solar
5301071	Sites,James Russell	Co-PI	X	Advanced Thin-Film Photovoltaics for Sustainable Energy (NSF)	First Solar
5301073	Manfredo,Michael J	Primary PI	X	Understanding Trends in Public Values toward Wildlife as a Key to Meeting Current and Future Wildlife Management Challenges	Western Association of Fish and Wildlife Agencies
5301073	Teel,Tara L	Co-PI	X	Understanding Trends in Public Values toward Wildlife as a Key to Meeting Current and Future Wildlife Management Challenges	Western Association of Fish and Wildlife Agencies
5301076	Mahmoud,Hussam N	Primary PI	X	An Innovative Double Composite Bridge System for Steel Bridges (sustainable and more resilient materials)	Colorado Department of Transportation
5301181	Mahmoud,Hussam N	Primary PI	X	CSA(5301173-5301076) An Innovative Double Composite Bridge System for Steel Bridges (sustainable and more resilient materials)	Colorado Department of Transportation
5301077	van de Lindt,John W	Primary PI	X	Enabling Next Generation Hybridized Wood Buildings for Sustainable Construction	University of Alabama
5365171	Nett,Torrance M	Primary PI	X	Re-immunization of Free Ranging Horses with GonaCon Immunological Vaccine: Effects on Reproduction, Safety, and Population Performance	DOI-BLM-Bureau of Land Management
5352028	Carlson,Kenneth H	Co-PI	X	Investigating the Beneficial Links Between Oil and Gas Production and Agriculture Using Water as the Common Currency	University of Colorado
5352028	Waskom,Reagan M	Primary PI	X	Investigating the Beneficial Links Between Oil and Gas Production and Agriculture Using Water as the Common Currency	University of Colorado
5338313	Loomis,John B	Primary PI	X	A Telecoupling Model to Account for Spatial Subsidies of Ecosystem Services Provided by Transboundary Migratory Species in North America	University of Arizona
5321513	Enns,Richard Mark	Co-PI	X	Implementation of Genetic Selection for Grazing Distribution to Make Cattle Grazing in the Western U.S. More Sustainable	New Mexico State University
5321513	Speidel,Scott E	Co-PI	X	Implementation of Genetic Selection for Grazing Distribution to Make Cattle Grazing in the Western U.S. More Sustainable	New Mexico State University
5321513	Thomas,Milton	Primary PI	X	Implementation of Genetic Selection for Grazing Distribution to Make Cattle Grazing in the Western U.S. More Sustainable	New Mexico State University
5357003	Shuler,Scott	Primary PI	X	Asphalt Mixtures and Durability Improvements (sustainable and more resilient materials for Civil Engineering)	Colorado Department of Transportation
5301113	Ham,Jay M	Co-PI	X	Study of Ammonia and Methane Emissions from Animal Feeding Operations using Unmanned Aerial System Laser Sensors	USDA-US Department of Agriculture
5301113	Pierce,Jeffrey Robert	Co-PI	X	Study of Ammonia and Methane Emissions from Animal Feeding Operations using Unmanned Aerial System Laser Sensors	USDA-US Department of Agriculture
5301113	Yalin,Azer P	Primary PI	X	Study of Ammonia and Methane Emissions from Animal Feeding Operations using Unmanned Aerial System Laser Sensors	USDA-US Department of Agriculture
5309079	Bailey,Larissa	Primary PI	X	Utilizing Standard Population Analysis Tools (e.g., Program MARK) to Inform a Structured Decision Making Approach to Determine Optimal Management Acti (fisheries management)	DOI-NPS-National Park Service
5362012	Cotrufo,Maria Francesca	Co-PI	X	Measurement and Modeling of Soil C Storage and Greenhouse Gas Emissions from Southern Pine Biofuel Feedstocks	Shell Oil Company
5362012	Paustian,Keith H	Primary PI	X	Measurement and Modeling of Soil C Storage and Greenhouse Gas Emissions from Southern Pine Biofuel Feedstocks	Shell Oil Company
5396767	Wohl,Ellen E	Primary PI	X	Longitudinal Patterns of Organic Carbon Storage in Mountainous River Networks	NSF-National Science Foundation
5338315	Johnson,Jerry J	Primary PI	X	Development and Management of Canola in the Great Plains Region (sustainable crop management)	Kansas State University
5335712	Kummerow,Christian D	Primary PI	X	Entraining large scale environmental information to improve the GMI rainfall product	NASA-National Aeronautics and Space Administration
5323401	Cotton,William R	Primary PI	X	Collaborative Research: Toward Further Understanding of Aerosol Pollution Impacts on Tropical Cyclones	NSF-National Science Foundation
5319137	Barnes Keys,Elizabeth Adrienne	Co-PI	X	Predicting the Impact of Fires and Dust on U.S. Particulate Matter	EPA-Office of Research and Development
5319137	Fischer,Emily V	Primary PI	X	Predicting the Impact of Fires and Dust on U.S. Particulate Matter	EPA-Office of Research and Development
5319137	Pierce,Jeffrey Robert	Co-PI	X	Predicting the Impact of Fires and Dust on U.S. Particulate Matter	EPA-Office of Research and Development
5301145	Bringi,Viswanathan N	Co-PI	X	Validation of GPM Precipitation Retrieval Algorithms Across the Precipitation Continuum	NASA-National Aeronautics and Space Administration
5301146	Bringi,Viswanathan N	Co-PI	X	Toward a More Statistically Robust, Generalized Process Evaluation Framework of Bin and Bulk Microphysics in Winter Precipitation Using NASA GV and GPM-DPR Data	NASA-National Aeronautics and Space Administration
5301146	Notaras,Branislav M	Primary PI	X	Toward a More Statistically Robust, Generalized Process Evaluation Framework of Bin and Bulk Microphysics in Winter Precipitation Using NASA GV and GPM-DPR Data	NASA-National Aeronautics and Space Administration
5301147	van de Lindt,John W	Primary PI	X	DHS S&T Coastal Resiliency Center of Excellence - Center Lead	University of North Carolina at Chapel Hill
5301149	Yang,Liuqing	Primary PI	X	Opportunistic Hybrid Communications Systems for Distributed PV Coordination	Alliance for Sustainable Energy-NREL
5312331	Peersen,Olive B	Primary PI	X	Engineering Viral Polymerase Fidelity to Improve Live-Attenuated Vaccines	HHS-NIH-NIAID-Allergy and Infect Diseases
5306261	Borch,Thomas	Co-PI	X	Collaborative Research: Characterizing Pyrogenic Soil Organic Matter as a Source of Nitrogenous Disinfection Byproducts	NSF-National Science Foundation
5306262	Loomis,John B	Primary PI	X	Economic Valuation of Ecosystem Services Associated with Freshwater Mussels in the Upper Delaware River	DOI-USGS-Geological Survey
5332341	Thompson,David	Primary PI	X	Understanding two-way coupling between cloud radiative effects and the large-scale extratropical atmospheric circulation	NSF-National Science Foundation
5378074	Khosla,Rajiv	Primary PI	X	Precision Water, Seed and Nitrogen Management for Enhancing Efficiency, Productivity, and Profitability of Irrigated Corn in Colorado.	Colorado Corn Administrative Committee
5306263	Andales,Allan A	Key Person	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Bailey,Ryan T	Key Person	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Chavez,Jose L	Key Person	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Goemans,Christopher G	Key Person	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Kelly,Eugene F	Co-PI	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Manning,Dale Thomas	Key Person	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Schipanski,Meagan Erin	Primary PI	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Suter,Jordan	Key Person	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture
5306263	Waskom,Reagan M	Co-PI	X	Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer under a Changing Climate	USDA-NIFA-National Institute of Food and Agriculture

5356661	Waskom,Reagan M	Primary PI	X	2016CO3248: 104B State Water Resources Research Institute Program Fiscal Year 2016	DOI-USGS-Geological Survey
5366651	Waskom,Reagan M	Primary PI	X	2018CO-ADMIN: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5366659	Waskom,Reagan M	Primary PI	X	2018CO341B: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5376652	Covino,Timothy P	Primary PI	X	2018CO344B: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5376654	Bailey,Ryan T	Primary PI	X	2018CO346B: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5376656	Morrison,Ryan Richard	Primary PI	X	2018CO348B: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5376653	Fassnacht,Steven	Primary PI	X	2018CO345B: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5376655	Waskom,Reagan M	Primary PI	X	2018CO347B: 104B State Water Resources Research Institute Program Fiscal Year 2018	DOI-USGS-Geological Survey
5386652	Jones,Kelly W	Primary PI	X	2019COCHAMBERLAIN: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386652	Waskom,Reagan M	Co-PI	X	2019COCHAMBERLAIN: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386653	Ronayne,Michael J	Primary PI	X	2019COCOGNAC:104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386653	Waskom,Reagan M	Co-PI	X	2019COCOGNAC:104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386654	Rathburn,Sara L	Primary PI	X	2019COCKEMPER: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386654	Waskom,Reagan M	Co-PI	X	2019COCKEMPER: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386655	Fassnacht,Steven	Primary PI	X	2019COKINGSTON: 104B State Water Resources Research Institute Program Fiscal year 2019	DOI-USGS-Geological Survey
5386655	Waskom,Reagan M	Co-PI	X	2019COKINGSTON: 104B State Water Resources Research Institute Program Fiscal year 2019	DOI-USGS-Geological Survey
5386656	Covino,Timothy P	Primary PI	X	2019COPALM: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386656	Waskom,Reagan M	Co-PI	X	2019COPALM: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386657	Fassnacht,Steven	Primary PI	X	2019COSANOW: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386657	Waskom,Reagan M	Co-PI	X	2019COSANOW: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386658	Suter,Jordan	Primary PI	X	2019COSHENG: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5386658	Waskom,Reagan M	Co-PI	X	2019COSHENG: 104B State Water Resources Research Institute Program Fiscal Year 2019	DOI-USGS-Geological Survey
5362027	Gaines,Todd A	Primary PI	X	Develop New Over the Top Grass Herbicide Resistance Traits in Sorghum using Mutagenesis	United Sorghum Checkoff Program
5362027	Westra,Philip	Co-PI	X	Develop New Over the Top Grass Herbicide Resistance Traits in Sorghum using Mutagenesis	United Sorghum Checkoff Program
5342341	Pierce,Jeffrey Robert	Primary PI	X	Collaborative Research: Sizing up the Smoke: Evaluating and Improving our Ability to Predict Aged Wildfire Aerosol Size Distributions	NSF-National Science Foundation
5332481	Schubert,Wayne H	Primary PI	X	DYNAMICS OF TROPICAL CYCLONES AND THE INTERTROPICAL CONVERGENCE ZONE (ITCZ)	NSF-National Science Foundation
5301164	Venkatachalam,Chandrasekaran	Primary PI	X	GPM Observations and Precipitation Microphysics: Satellite Algorithm Support, Product Validation, Enhancement, Interpretation, Precipitation Estimation and Applications	NASA-National Aeronautics and Space Administration
5399395	Hagman,Jessica Ellis	Primary PI	X	PROGRAM INCOME: MPWR 2016 and beyond: Fostering sustainable networks for women in RUME	NSF-National Science Foundation
5366751	Simmons,Mark	Primary PI	X	Digital Imagery for Pest Screening, Detection, Identification, and Report Production FY2016	USDA-APHIS-Animal Plant Health Insp Svc
5331311	Barnes Keys,Elizabeth Adrienne	Primary PI	X	Seasonal Sensitivity of the Midlatitude Circulation to Future Climate Warming	NSF-National Science Foundation
5380516	Wohl,Ellen E	Primary PI	X	Enhancing the Benefits of Large Wood and Beaver Dams in River Corridors	USDA-USFS-Forest Research
5309142	Paschke,Mark W	Primary PI	X	Vegetation Monitoring: Additional Studies Summitville Mine Superfund Site	Colorado Department of Public Health and Environment
5322422	Duncan,Colleen G	Co-PI	X	Technical Assistance for Veterinary Pathology and Diagnostic Services for NPS Wildlife Species	DOI-NPS-National Park Service
5322422	Spraker,Terry R	Primary PI	X	Technical Assistance for Veterinary Pathology and Diagnostic Services for NPS Wildlife Species	DOI-NPS-National Park Service
5340681	Fischer,Emily V	Primary PI	X	Time to Revisit: Using Space-based and In-Situ Observations to Constrain the Global Budgets of Acetone and other Abundant Ketones (hazardous materials analysis)	NASA-National Aeronautics and Space Administration
5313515	Kondratieff,Boris C	Primary PI	X	Digitization TCM: Collaborative Research: Lepidoptera of North America Network: Documenting Diversity in the Largest Clade of Herbivores	NSF-National Science Foundation
5358351	Van Den Heever,Susan	Primary PI	X	A Multiscale Analysis of Convective Envelope Predictability and Convective System Sensitivity in the Maritime Continent	DOD-NAVY-ONR-Office of Naval Research
5309169	Cheng,Anthony S	Primary PI	X	Colorado Forest Restoration Institute, FY16	USDA-USFS-Forest Research
5309172	Weij,Yu	Primary PI	X	Develop a Software Tool to Support Efficient National Forest Service Planning	USDA-USFS-Forest Research
5313512	Odle,Paul James	Primary PI	X	Biological Control of Russian Knapweed: Mass-Rearing, Release, and Monitoring of the Gall Stem Wasp Aulacidea Acroptilonica	USDA-USFS-Forest Research
5357221	Maloney,Eric D	Primary PI	X	Coupled ocean-atmosphere regional model simulations of diurnal Maritime Continent convection and its synergy with MJO propagation	DOD-NAVY-ONR-Office of Naval Research
5362038	Fonte,Steven John	Primary PI	X	Amplifying the Impact of Improved Fallows and Landscape Management for Soil Fertility and Ecosystem Services: Multi-Environmental and Educational Approaches	McKnight Foundation
5350083	Fonte,Steven John	Primary PI	X	Supplement Amplifying the Impact of Improved Fallows and Landscape Management for Soil Fertility and Ecosystem Services: Multi-Environmental and Educational Approaches	McKnight Foundation
5322424	Hoover,Edward A	Primary PI	X	Project 3: CWD Prion Shedding and Environmental Contamination: Role in Transmission and Zoonotic Potential	University of Texas Health Science Center at Houston
5322425	Telling,Glenn C	Primary PI	X	Project 1: Modeling the Mechanisms of Prion Transmission, Strain Selection, Mutation and Species Barrier in Transgenic Mice	University of Texas Health Science Center at Houston
5322426	Telling,Glenn C	Primary PI	X	Core B: Science Core in Pathogenesis, Transmission and Detection of Zoonotic Prion Diseases (P01)	University of Texas Health Science Center at Houston
5313513	Norton,Andrew P	Primary PI	X	Developing Mass Rearing Strategies for Rhinusa Linariae and Mecinus Janthinus	USDA-USFS-Forest Research
5301213	Anderson,Georgiana Brooke	Primary PI	X	Hazard SEES Type 2: Modeling to Promote Regional Resilience to Repeated Heat Waves and Hurricanes	University of Michigan
5309186	Hoffman,Chad M	Primary PI	X	Quantifying Tradeoffs among Potential Fire Behavior and Spatial Heterogeneity to Enhance Fuel Hazard Reduction and Restoration Treatment Design	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5356116	Ebel,Gregory David	Primary PI	X	Predicting Genetic Determinants of Zika Virus Emergence	HHS-NIH-NIAID-Allergy and Infect Diseases
5362039	Pearce,Stephen P	Primary PI	X	IWYP76FP: Molecular Dissection of Spike Yield Components in Wheat	The International Maize and Wheat Improvement Center
5344374	VandeWoude,Susan	Primary PI	X	The Ecology and Evolution of Retroviruses in the Endangered Florida Panther	American College of Veterinary Pathologists
5354211	Webb,Colleen T	Primary PI	X	Dynamics of endemic white-nose syndrome in cave-dwelling bats: characterizing survivorship in the eastern United States.	Morris Animal Foundation
5301412	Marchese,Anthony	Co-PI	X	Biochemical Production of Iso-alcohols for Advanced Engines	Alliance for Sustainable Energy-NREL
5301412	Reardon,Kenneth F	Primary PI	X	Biochemical Production of Iso-alcohols for Advanced Engines	Alliance for Sustainable Energy-NREL
5362044	Bjostad,Louis B	Co-PI	X	Phytochemicals as Management Tool for Sustainable Honeybee Colony Health and Productivity	Project Apis m
5362055	Bjostad,Louis B	Co-PI	X	Phytochemicals as Management Tool for Sustainable Honeybee Colony Health and Productivity	Project Apis m
5340059	Rathburn,Sara L	Primary PI	X	CESU-RM: Wood Loading and Jam Characteristics Following Disturbances on the Upper Colorado River, Rocky Mountain National Park	DOI-NPS-National Park Service
5380521	Covino,Timothy P	Primary PI	X	Post Wildfire Watershed Nitrogen Retention Processes	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5309194	Rideout,Douglas B	Primary PI	X	CESU-CP: Integration of Strategic Wildfire and Fuel Treatment Analysis into National Budget Framework	DOI-NPS-National Park Service
5301422	Bradley,Thomas Heenan	Primary PI	X	Prediction Signal Quality Influences on Acceleration Event Prediction Control's Benefit to Fuel Economy for a Hybrid Vehicle and Next Steps	Toyota, Inc.
5306267	Stewart,Jane E	Primary PI	X	Limber Pine Health in the Rocky Mountains	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5301425	Olsen,Daniel B	Primary PI	X	Field Evaluation of Oxidation Catalyst Degradation on a 2-Stroke Lean-Burn NG Engine: Catalyst Washing	Pipeline Research Council International
5346281	Neilson,James Richmond	Primary PI	X	Informed Materials Design Principles From Local Structures and Dynamics in Hybrid Inorganic-Organic Peroxide Halides	DOE-US Department of Energy
5396773	Covino,Timothy P	Primary PI	X	Quantifying and Predicting the Attenuation of Downstream Fluxes Associated with Beaver Meadows	NSF-GEO-Geosciences
5396773	Wohl,Ellen E	Co-PI	X	Quantifying and Predicting the Attenuation of Downstream Fluxes Associated with Beaver Meadows	NSF-GEO-Geosciences
5396787	Covino,Timothy P	Primary PI	X	Understanding Hydrologic-Particulate Organic Carbon Relationships in Rocky Mountain Meadows	NSF-GEO-Geosciences
5396787	Wohl,Ellen E	Co-PI	X	Understanding Hydrologic-Particulate Organic Carbon Relationships in Rocky Mountain Meadows	NSF-GEO-Geosciences
5385093	Falkowski,Michael J	Primary PI	X	Prototyping a Methodology to Develop Regional-Scale Forest Above-Ground Biomass Carbon Estimates	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5340061	McGrath,Daniel	Primary PI	X	CESU-RM: Glacier and Perennial Snowfield Mass Balance of Rocky Mountain National Park (ROMO): Historic, Modern and Future	DOI-NPS-National Park Service
5356086	Magzamen,Sheryl L	Primary PI	X	Development of a Geospatial Risk Model for the Introduction of HPAI (food supply safety)	USDA-APHIS-Animal Plant Health Insp Svc
5301454	Quinn,Jason Charles	Primary PI	X	ATS Sustainability Assessment	DOE-NTESS-Sandia National Laboratories
5301437	Bailey,Ryan T	Co-PI	X	Lower Arkansas Natural Uranium Project: Finding Ways to Mitigate Irrigation-Induced Uranium Contamination in Colorado's Lower Arkansas River Valley	Colorado School of Mines
5301437	Gates,Timothy K	Primary PI	X	Lower Arkansas Natural Uranium Project: Finding Ways to Mitigate Irrigation-Induced Uranium Contamination in Colorado's Lower Arkansas River Valley	Colorado School of Mines
5370951	Champ,Joseph	Primary PI	X	United States Geological Survey Strategic Online Communication Plan	DOI-USGS-Geological Survey
5322591	Randall,David A	Primary PI	X	Implementation and evaluation of the unified parameterization in NCAR Community Atmospheric Model	NSF-National Science Foundation
5373931	Waskom,Reagan M	Primary PI	X	MOWS- Modeling of Watershed Systems NIWR-USGS Student Internship III	DOI-USGS-Geological Survey
5375555	Goemans,Christopher G	Co-PI	X	Evaluating the Impact of Economic Research Results on Attitudes Related to Groundwater Management Policies: A Randomized Control Trial	Johns Hopkins University
5375555	Manning,Dale Thomas	Co-PI	X	Evaluating the Impact of Economic Research Results on Attitudes Related to Groundwater Management Policies: A Randomized Control Trial	Johns Hopkins University

537555	Suter,Jordan	Primary PI	X	Evaluating the Impact of Economic Research Results on Attitudes Related to Groundwater Management Policies: A Randomized Control Trial	Johns Hopkins University
5390016	Perera,Rushika Michelle	Primary PI	X	Exploiting Vulnerabilities in Mosquito Metabolism for Prevention of Human Arboviral Transmissions	Boettcher Foundation
5372391	Webb,Coleen T	Primary PI	X	Dynamics of Endemic White-Nose Syndrome in Bats: Characterizing Survivorship in the Eastern U.S.	DOI-USGS-Geological Survey
5309238	Wei,Yu	Primary PI	X	Analysis of the Impacts of Suppression on Future Fires: Are Fires a Good Fuel Treatment?	USDA-USFS-Forest Research
5356061	Duncan,Coleen G	Primary PI	X	Integration of Northern Fur Seal (Callorhinus ursinus) Health Metrics into Ongoing Vital Rates Monitoring	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301444	Maciejewski,Anthony A	Co-PI	X	Collaborative Research: A Scalable Sustainability-Based Approach to a Novel Demand Response Paradigm in the Emerging Smart Grid	NSF-National Science Foundation
5301444	Siegel,Howard Jay	Co-PI	X	Collaborative Research: A Scalable Sustainability-Based Approach to a Novel Demand Response Paradigm in the Emerging Smart Grid	NSF-National Science Foundation
5301444	Suryanarayanan,Siddharth	Primary PI	X	Collaborative Research: A Scalable Sustainability-Based Approach to a Novel Demand Response Paradigm in the Emerging Smart Grid	NSF-National Science Foundation
5396775	Laituri,Melinda J	Co-PI	X	SSI: Advancing and Mobilizing Citizen Science Data through an Integrated Sustainable Cyberinfrastructure	NSF-National Science Foundation
5351491	Farmer,Delphine Kasimira	Primary PI	X	The Impact of Environmental Perturbations on Biogenic Monoterpene Emissions and their Implications to Secondary Organic Aerosol	NSF-National Science Foundation
5350013	Gavin,Michael	Primary PI	X	CESU-RM: Sustaining Environmental Capital: Applying Cultural Ecosystem Services in Public Land and Water Management	DOI-USGS-Geological Survey
5301448	van de Lindt,John W	Primary PI	X	Collaborative Research: Development and Validation of A Resilience-based Seismic Design Methodology for Tall Wood	NSF-National Science Foundation
5375431	Webb,Coleen T	Primary PI	X	Development of Statistical Models for Estimating Dynamic Ecological Processes from Management Data	USDA-APHIS-Animal Plant Health Insp Svc
5358651	Schumacher,Russ Stanley	Primary PI	X	LYSIMETER OPERATION IN THE YAMPA RIVER BASIN (soil-water balance)	Colorado Water Conservation Board
5364141	Collett Jr,Jeffrey L	Co-PI	X	Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	DOE-US Department of Energy
5364141	Marchese,Anthony	Co-PI	X	Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	DOE-US Department of Energy
5364142	Collett Jr,Jeffrey L	Co-PI	X	COST SHARE CREA: Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	Colorado Energy Research Collaboratory
5364142	Marchese,Anthony	Co-PI	X	COST SHARE CREA: Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	Colorado Energy Research Collaboratory
5364144	Collett Jr,Jeffrey L	Co-PI	X	TT&O: Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	DOE-US Department of Energy
5364144	Marchese,Anthony	Co-PI	X	TT&O: Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	DOE-US Department of Energy
5364145	Collett Jr,Jeffrey L	Co-PI	X	TT&O: Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	DOE-US Department of Energy
5364145	Marchese,Anthony	Co-PI	X	TT&O: Test Facility and Proving Ground for ARPA-E MONITOR (methane observation network)	DOE-US Department of Energy
5380522	Sanford,William E	Primary PI	X	Groundwater Contribution to Baseflow	USDA-USFS-Forest Research
5373651	Payne,Sarah R	Primary PI	X	COMPLETE DETERMINATION OF ELIGIBILITY FORMS FOR PARK BUILDINGS AND STRUCTURES	DOI-US Department of the Interior
5374441	Payne,Sarah R	Primary PI	X	Completion of Determination of Eligibility for Park Historic Districts	DOI-NPS-National Park Service
5373791	Payne,Sarah R	Primary PI	X	Mission 66 Era Resources of Yellowstone Phase 3	DOI-US Department of the Interior
5369141	La Belle,Jason Mitchel	Primary PI	X	BLM-CO CULTURAL RESOURCE FIELD STUDY PROJECT	DOI-BLM-Bureau of Land Management
5396776	Jones,Kelly W	Primary PI	X	The Role of Citizen Science in Watershed Hydrology Research and Policymaking: Relationships between Volunteer Motivation, Data Quality, Model Reliabil	NSF-National Science Foundation
5301231	Myrick,Christopher A	Primary PI	X	Thermal Constraints on the Early Life History of Sauger	Wyoming Game and Fish Department
5378084	Paustian,Keith H	Primary PI	X	Sustainable Land Management and Climate Change Mitigation Co-Benefits (SLM-CCMC)	United Nations
5301453	Barnes Keys,Elizabeth Adrienne	Primary PI	X	Forecasting North Pacific Blocking and Atmospheric River Probabilities: Sensitivity to Model Physics and the MJO	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301453	Maloney,Eric D	Co-PI	X	Forecasting North Pacific Blocking and Atmospheric River Probabilities: Sensitivity to Model Physics and the MJO	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5309257	Cheng,Anthony S	Primary PI	X	Forest-to-Faucets Assessment and Monitoring	USDA-USFS-Forest Research
5309257	Ex,Seth	Co-PI	X	Forest-to-Faucets Assessment and Monitoring	USDA-USFS-Forest Research
5301456	Schumacher,Russ Stanley	Primary PI	X	Improving Understanding and Prediction of Concurrent Tornadoes and Flash Floods with Numerical Models and VORTEX-SE Observations	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301459	Arabi,Mazdak	Co-PI	X	Life Cycle Costs of Water Infrastructure Alternatives	Water Research Foundation
5301459	Bledsoe,Brian	Co-PI	X	Life Cycle Costs of Water Infrastructure Alternatives	Water Research Foundation
5301459	Grigg,Neil S	Co-PI	X	Life Cycle Costs of Water Infrastructure Alternatives	Water Research Foundation
5301459	Sharvelle,Sybil E	Primary PI	X	Life Cycle Costs of Water Infrastructure Alternatives	Water Research Foundation
5309277	Nagel,Linda M	Primary PI	X	Rio Grande National Forest Climate Change and Planning Collaboration	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5374035	Gaines,Todd A	Primary PI	X	Harnessing Next-Generation Sequencing Technologies for Eco-Evolutionary Studies of Herbicide Resistance and Weed Biology	Rothamsted Research Limited
5341105	Clark,Maggie Lynn	Primary PI	X	High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) PILOTS (health, safety, and well-being of those working in the agriculture, and forestry industries)	HHS-CDC-Centers for Disease Control
5351105	Clark,Maggie Lynn	Primary PI	X	Pilots: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry industries)	HHS-CDC-Centers for Disease Control
5351105	Reynolds,Stephen J	Co-PI	X	Pilots: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry industries)	HHS-CDC-Centers for Disease Control
5351108	Reynolds,Stephen J	Primary PI	X	High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) PILOTS (health, safety, and well-being of those working in the agriculture, and forestry industries)	HHS-CDC-Centers for Disease Control
5361105	Clark,Maggie Lynn	Primary PI	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Gilkey,David P	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Magzamen,Sheryl L	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Quijano,Louise Marie	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Reynolds,Stephen J	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Roman-Muniz,Ivette Naomi	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Rosecrance,John C	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Schaeffer,Joshua William	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5361105	Stallones,Lorann	Key Person	X	Pilot/Feasibility Program: High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) (health, safety, and well-being of those working in the agriculture, and forestry indust	HHS-CDC-Centers for Disease Control
5363073	Magzamen,Sheryl L	Primary PI	X	Study of Environmental Mixtures and Periurban Respiratory Outcomes (SEMIPRO)	HHS-CDC-Centers for Disease Control
5367871	Bell,Michael Monroe	Primary PI	X	Multiscale Interactions in Tropical Cyclone Structure and Intensity Change	DOD-NAVY-ONR-Office of Naval Research
5364571	Randall,David A	Primary PI	X	Use of Remote Sensing and In-situ Observations to Develop and Evaluate Improved Representations of Convection and Clouds for the Accelerated Climate M	DOE-US Department of Energy
5340063	Laituri,Melinda J	Primary PI	X	CESU-RM: Sea Level and Coastal Inventory, Monitoring and Data Management in the National Park Service Northeast Coastal and Barrier Network	DOI-NPS-National Park Service
5306269	Kondratieff,Boris C	Primary PI	X	Threatened, Endangered, and Sensitive Species	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5350014	Hoeting,Jennifer A	Key Person	X	CESU-RM: Mapping, Forecasting and Simulating Invasive Species and their Impacts on Natural and Social Systems	DOI-USGS-Geological Survey
5360843	Maloney,Eric D	Primary PI	X	Advanced diagnostics for tropical-midlatitude interactions and teleconnections on intraseasonal timescales	George Mason University
5378191	Ghalambor,Cameron K	Primary PI	X	Population Status, Genetic Relationships and Temperature Tolerance of Song Sparrows on Anacapa Island	DOI-NPS-National Park Service
5375221	Angeloni,Lisa Maria	Primary PI	X	Sound and Light Ecology Research	DOI-NPS-National Park Service
5375221	Crooks,Kevin	Co-PI	X	Sound and Light Ecology Research	DOI-NPS-National Park Service
5375221	Wittmeyer,George	Co-PI	X	Sound and Light Ecology Research	DOI-NPS-National Park Service
5366791	Wall,Diana H	Primary PI	X	Collaborative Research: The Role of Glacial History on the Structure and Functioning of Ecological Communities in the Shackleton Glacier Region of the	NSF-National Science Foundation
5381691	Simmons,Mark	Primary PI	X	Toxic plant disseminate life resources for identification support at ports-of-entry	USDA-APHIS-Animal Plant Health Insp Svc
5309267	Ocheltree,Troy W	Primary PI	X	Examining the Patterns and Processes of Grassland Resiliency to Drought via the Bud Bank	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5363824	Breidt,F Jay	Key Person	X	Testing and Implementing an Uncertainty Method in COMET-Farm for the USDA Methods Document Soil Nitrous Oxide Model	Environmental Defense Fund
5363824	Ogle,Stephen M	Co-PI	X	Testing and Implementing an Uncertainty Method in COMET-Farm for the USDA Methods Document Soil Nitrous Oxide Model	Environmental Defense Fund
5363824	Paustian,Keith H	Primary PI	X	Testing and Implementing an Uncertainty Method in COMET-Farm for the USDA Methods Document Soil Nitrous Oxide Model	Environmental Defense Fund
5301224	Black IV,William C	Primary PI	X	Insecticide Resistance Management to Preserve Pyrethroid Susceptibility in Aedes aegypti	HHS-NIH-NIAID-Allergy and Infect Diseases
5358241	Farmer,Delphine Kasimira	Primary PI	X	Observational constraints on wet and dry deposition of black carbon to land surfaces (carbon cycle)	DOE-US Department of Energy
5354381	Kummerow,Christian D	Primary PI	X	A Long-Term Satellite Climate Data Record of Global Precipitation	NASA-National Aeronautics and Space Administration
5377711	Kummerow,Christian D	Primary PI	X	IMPROVEMENTS TO THE GPM RADIOMETER ALGORITHM (precipitation research)	NASA-National Aeronautics and Space Administration
5350015	Boone,Randall B	Co-PI	X	CESU-RM: Ecology of Wild Horses and Burros in the Rocky Mountain Region and Western USA	DOI-USGS-Geological Survey
5301469	Venkatachalam,Chandrasekaran	Primary PI	X	EarthCube Building Blocks: Collaborative Proposal: An Expanded Implementation of Cloud-Hosted Real-Time Data Services for the Geosciences	NSF-National Science Foundation
5301472	Kummerow,Christian D	Co-PI	X	Improving Probabilistic Forecasts of Extreme Rainfall through Intelligent Processing of High-resolution Ensemble Predictions	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301472	Schumacher,Russ Stanley	Primary PI	X	Improving Probabilistic Forecasts of Extreme Rainfall through Intelligent Processing of High-resolution Ensemble Predictions	DOC-NOAA-Natl Oceanic and Atmospheric Admn

5361171	Barnes Keys,Elizabeth Adrienne	Primary PI	X	WATER OPERATIONS TECHNICAL SUPPORT: RESEARCH TO INVESTIGATE ATMOSPHERIC RIVERS (AR) & THE FEASIBILITY OF DEVELOPING & USING AR FORECAST CAPABILITIES TO INFORM RE	The Scripps Research Institute
5309292	Noon,Barry R	Primary PI	X	Novel Approaches to Model Landscape Connectivity for Vertebrate Wildlife Species	Conservation Science Partners
5309301	Nagel,Linda M	Primary PI	X	Science Synthesis and Delivery for the Climate Change Resource Center	USDA-USFS-Forest Research
5309305	Schultz,Courtney Allison	Primary PI	X	Assessing the First Generation of Climate Change Vulnerability Assessments	USDA-USFS-Forest Research
5306273	Charkowski,Amy Olymbia	Primary PI	X	Cooperative Agricultural Pest Survey (CAPS) Program Document Development and Support - FY17	USDA-APHIS-Animal Plant Health Insp Srvc
5389702	Gao,Wei	Primary PI	X	Global Change, Ultraviolet Radiation Monitoring and Research Program	USDA-NIFA-National Institute of Food and Agriculture
5386451	Pallickara,Sangmi Lee	Co-PI	X	Methane Mapping at CSU: post doc & computer science grad student	Environmental Defense Fund
5386451	von Fischer,Joseph Charles	Primary PI	X	Methane Mapping at CSU: post doc & computer science grad student	Environmental Defense Fund
5371811	Champ,Joseph	Primary PI	X	Vulnerable Communities and Organizational Systems	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5371811	Malin,Stephanie	Co-PI	X	Vulnerable Communities and Organizational Systems	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5350351	Sampath,Walajabad S	Co-PI	X	Device Architecture for Next-Generation CdTe PV (photovoltaics)	DOE-US Department of Energy
5350351	Sites,James Russell	Primary PI	X	Device Architecture for Next-Generation CdTe PV (photovoltaics)	DOE-US Department of Energy
5388541	Bernasek,Alexandra	Primary PI	X	Impacts of Wildlife Strikes to Aviation Resources	USDA-APHIS-Animal Plant Health Insp Srvc
5309336	Nagel,Linda M	Co-PI	X	User Needs Assessment for Modernizing the Forest Vegetation Simulator	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5309336	Tinkham,Wade T	Primary PI	X	User Needs Assessment for Modernizing the Forest Vegetation Simulator	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5309332	Clements,William H	Primary PI	X	Biotic and Abiotic Factors that Influence Selenium Bioaccumulation and Food Chain Transfer in Aquatic Ecosystems	Colorado Division of Parks and Wildlife
5309332	Myrick,Christopher A	Co-PI	X	Biotic and Abiotic Factors that Influence Selenium Bioaccumulation and Food Chain Transfer in Aquatic Ecosystems	Colorado Division of Parks and Wildlife
5350093	Clements,William H	Primary PI	X	Biotic and Abiotic Factors that Influence Selenium Bioaccumulation and Food Chain Transfer in Aquatic Ecosystems	Colorado Division of Parks and Wildlife
5350093	Myrick,Christopher A	Co-PI	X	Biotic and Abiotic Factors that Influence Selenium Bioaccumulation and Food Chain Transfer in Aquatic Ecosystems	Colorado Division of Parks and Wildlife
5301582	Morrison,Ryan Richard	Primary PI	X	CEJU-RM: Ecological Impacts of Hydroscape Modifications	DOI-USGS-Geological Survey
5309342	Rideout,Douglas B	Primary PI	X	CEJU-RM: STARFire Spatial Fire Management Planning for Selected BLM Units	DOI-BLM-Bureau of Land Management
5301584	Ma,Kaka	Primary PI	X	SusCHEM: Sustainable Material use in Laser Deposition: Integrating Experimental Design, Environmental Impact Assessment and Economic Evaluation	University of California, Irvine
5301587	Arabi,Mazdak	Primary PI	X	Modeling Ecosystem Services in Agricultural Watersheds	USDA-ARS-Agricultural Research Service
5314768	Cotrufo,Maria Francesca	Primary PI	X	Quantifying the Mechanisms of Soil C Sequestration and Loss in Agroecosystems	USDA-ARS-Agricultural Research Service
5339731	Van Den Heever,Susan	Primary PI	X	Linking the Energy and Water Cycle Impacts of Convection Using CloudSat, CALIPSO, Ground-based Observations, and Cloud Resolving Modeling	University of Wisconsin
5380528	Falkowski,Michael J	Co-PI	X	Projecting Land Use and Species Distributions under Climate Change Scenarios for Puerto Rico	USDA-USFS-Intl Inst Tropical Forestry
5380528	Moore,John C	Primary PI	X	Projecting Land Use and Species Distributions under Climate Change Scenarios for Puerto Rico	USDA-USFS-Intl Inst Tropical Forestry
5340066	Boone,Randall B	Primary PI	X	Predict Condon Range Expansion to Reduce Development Threats	DOI-NPS-National Park Service
5314771	Fonte,Steven John	Key Person	X	Develop Knowledge for the Efficacy of Using Cover Crops in Place of Summer Fallow in Dryland Wheat-fallow Cropping	USDA-ARS-Agricultural Research Service
5314771	Schipanski,Meagan Erin	Primary PI	X	Develop Knowledge for the Efficacy of Using Cover Crops in Place of Summer Fallow in Dryland Wheat-fallow Cropping	USDA-ARS-Agricultural Research Service
5314772	Leach,Jan E	Primary PI	X	Protection of the USDA/ARS Citrus Collection from Disease through Cryopreservation Technologies	USDA-ARS-Agricultural Research Service
5314773	Essah,Samuel YC	Co-PI	X	New Approaches to Facilitate Non-chemical Control of Plant Pathogenic Nematodes in Potato Systems, and Improvement of Nitrogen Management	USDA-ARS-Agricultural Research Service
5314773	Vivanco,Jorge M	Primary PI	X	New Approaches to Facilitate Non-chemical Control of Plant Pathogenic Nematodes in Potato Systems, and Improvement of Nitrogen Management	USDA-ARS-Agricultural Research Service
5301593	Arabi,Mazdak	Co-PI	X	CEJU-RM: Snow Model Integration (isnobal) into the PRMS/OMS Model for Improved Water Supply Forecasting with eWSF	USDA-NRCS-Natural Resources Consvtn Srv
5309345	Schultz,Courtney Allison	Primary PI	X	JFSP Policy Barriers to Prescribed Fire: Identifying Mechanisms and Opportunities for Change	DOI-BLM-Bureau of Land Management
5309347	Schultz,Courtney Allison	Primary PI	X	JFSP Policy Barriers to Prescribed Fire: Identifying Mechanisms and Opportunities for Change	DOI-BLM-Bureau of Land Management
5309346	Schultz,Courtney Allison	Primary PI	X	JFSP Impacts of Climate and Management Options on Wildland Fire Fighting in Alaska: Implications for Operational Costs and Complexity under Future Sce	DOI-BLM-Bureau of Land Management
5309348	Schultz,Courtney Allison	Primary PI	X	JFSP Impacts of Climate and Management Options on Wildland Fire Fighting in Alaska: Implications for Operational Costs and Complexity under Future Sce	DOI-BLM-Bureau of Land Management
5313521	Paustian,Keith H	Co-PI	X	Decision Support to Quantify GHG Mitigation and Ecosystem Services from Organic Production Systems	USDA-NIFA-National Institute of Food and Agriculture
5313521	Schipanski,Meagan Erin	Primary PI	X	Decision Support to Quantify GHG Mitigation and Ecosystem Services from Organic Production Systems	USDA-NIFA-National Institute of Food and Agriculture
5313522	Paustian,Keith H	Co-PI	X	Participant Support: Decision Support to Quantify GHG Mitigation and Ecosystem Services from Organic Production Systems	USDA-NIFA-National Institute of Food and Agriculture
5313522	Schipanski,Meagan Erin	Primary PI	X	Participant Support: Decision Support to Quantify GHG Mitigation and Ecosystem Services from Organic Production Systems	USDA-NIFA-National Institute of Food and Agriculture
5301598	Arabi,Mazdak	Co-PI	X	CEJU-RM: Resource Stewardship Computation and Data Services for the Conservation Delivery Streamlining Initiative	USDA-NRCS-Natural Resources Consvtn Srv
5347551	Schumacher,Russ Stanley	Primary PI	X	Advancing the Use of Drought Early Warning Systems in the Upper Colorado River Basin	University of Colorado
5385401	Bell,Michael Monroe	Primary PI	X	CAREER: Impacts of convective and stratiform processes on tropical cyclone intensity change	NSF-National Science Foundation
5361191	Schumacher,Russ Stanley	Primary PI	X	Collaborative Research: Impact of Convectively-Generated Gravity Waves on Mesoscale Convective Systems	NSF-National Science Foundation
5309364	Hoffman,Chad M	Primary PI	X	Direct Numerical Simulations of Wildland Fire Combustion Using Validation and Calibration Data from Frequency Comb Laser Diagnostics	University of Colorado
5314776	Thilmany,Dawn D	Primary PI	X	Rural Employment Sustainability and Establishment Dynamics	USDA-ERS-Economic Research Service
5301604	Marchese,Anthony	Primary PI	X	PACE: Producing Algae for Coproducts and Energy	Colorado School of Mines
5301605	Marchese,Anthony	Primary PI	X	PACE: Producing Algae for Coproducts and Energy	Colorado Higher Education Collaboratory
5301608	Bradley,Thomas Heenan	Co-PI	X	Onboard Refueling Vapor Recovery System Testbed and Simulation (fuel use efficiency)	Honda R&D Americas, Inc.
5301608	Marchese,Anthony	Co-PI	X	Onboard Refueling Vapor Recovery System Testbed and Simulation (fuel use efficiency)	Honda R&D Americas, Inc.
5301608	Windom,Bret Colin	Primary PI	X	Onboard Refueling Vapor Recovery System Testbed and Simulation (fuel use efficiency)	Honda R&D Americas, Inc.
5301609	Kummerow,Christian D	Primary PI	X	Implementation and application of Cloud Analysis and Nowcasting (CAN) system to support the International Collaborative Experiments for Pyeongchang 20	Korean Meteorological Administration
5378088	Ippolito,Jim	Primary PI	X	Phosphorus Capture, Recycling and Utilization for Sustainable Agriculture and a Clean Environment Using AI/Organic Composite Water Treatment Residuals	Binational Agricultural Research and Development Fund
5338327	Brummer,Joe E	Primary PI	X	The Silent Decline in Soil Potassium Levels and its Effect on Alfalfa Productivity in the Central and Western US	University of Wyoming
5393591	Smith,Melinda Dianne	Primary PI	X	RAPID: Impact of exceptional drought on transformation of a savanna grassland	NSF-Biological Sciences
5310014	Crooks,Kevin	Primary PI	X	Effects of Human Use of NCCP Reserves on Reptile and Mammal Species in San Diego County, California	Wildlife Conservation Society
5313523	Loomis,John B	Primary PI	X	Assessing Economic Access Values to Public Lands and Values to Households for Fire Mitigation Programs	USDA-USFS-Pacific SW
5301621	Quinn,Jason Charles	Primary PI	X	A Novel Platform for Algal Biomass Production using Cellulosic Mixotrophy	Arizona State University
5388041	Dayan,Franck E	Primary PI	X	Improving the Efficacy of Glufosinate	Bayer Corporation / Agriculture Division
5388042	Dayan,Franck E	Primary PI	X	Investigating the Potential Antagonistic Effect of the Glycine Decarboxylase Complex on Glufosinate Efficacy and Glyphosate Resistance	Bayer Corporation / Agriculture Division
5388042	Gaines,Todd A	Co-PI	X	Investigating the Potential Antagonistic Effect of the Glycine Decarboxylase Complex on Glufosinate Efficacy and Glyphosate Resistance	Bayer Corporation / Agriculture Division
5388042	Westra,Philip	Co-PI	X	Investigating the Potential Antagonistic Effect of the Glycine Decarboxylase Complex on Glufosinate Efficacy and Glyphosate Resistance	Bayer Corporation / Agriculture Division
5301623	Niemann,Jeffrey D	Primary PI	X	SBIR Subsequent Phase II: Determination of Terrain Ponding for Tactical Logistics and Mobility Support (water resources)	Technology Service Corporation
5389704	Goldstein,Liba Pejchar	Primary PI	X	Cash or Connections: The Role of Financial Incentives and Social Networks in Engaging Agricultural Landowners in Wildlife Conservation Programs	USDA-NIFA-National Institute of Food and Agriculture
5385451	Funk,William Christopher	Co-PI	X	Future Earth Spark Funding Initiative: Integrating science for sustainability	Gordon and Betty Moore Foundation
5385451	Wall,Diana H	Primary PI	X	Future Earth Spark Funding Initiative: Integrating science for sustainability	Gordon and Betty Moore Foundation
5313524	Archibeque,Shawn	Key Person	X	Development of Integrated Pest Management Strategies for Commercial Dairies: Formulating Dairy Total Mixed Rations that are Resistant to Bird Depredation	USDA-NIFA-National Institute of Food and Agriculture
5313524	Engle,Terry E	Co-PI	X	Development of Integrated Pest Management Strategies for Commercial Dairies: Formulating Dairy Total Mixed Rations that are Resistant to Bird Depredation	USDA-NIFA-National Institute of Food and Agriculture
5313524	Roman-Muniz,Ivette Naomi	Key Person	X	Development of Integrated Pest Management Strategies for Commercial Dairies: Formulating Dairy Total Mixed Rations that are Resistant to Bird Depredation	USDA-NIFA-National Institute of Food and Agriculture
5313524	Wagner,John Joseph	Primary PI	X	Development of Integrated Pest Management Strategies for Commercial Dairies: Formulating Dairy Total Mixed Rations that are Resistant to Bird Depredation	USDA-NIFA-National Institute of Food and Agriculture
5321523	Broders,Kirk Dale	Primary PI	X	Evaluation of Risk Associated with Maize Seed from Plants Infected with Xanthomonas Vasicola pv. Vasculorum	Iowa State University
5301626	Pierce,Jeffrey Robert	Co-PI	X	Air Quality Monitoring for the 21st Century: A Crowdsourced, Satellite-Enabled, Low-Cost Sampler	CSURF-CSU Ventures
5301626	Volckens,John	Primary PI	X	Air Quality Monitoring for the 21st Century: A Crowdsourced, Satellite-Enabled, Low-Cost Sampler	CSURF-CSU Ventures
5301627	Olsen,Daniel B	Primary PI	X	Optimization of Dedicated EGR on a Caterpillar 3304 NG Engine	Caterpillar, Inc.
5332702	Bunning,Marisa L	Co-PI	X	Building a Collaborative and Outreach Framework to Support Produce Growers in Achieving Produce Safety in Colorado	Colorado Department of Agriculture
5350561	von Fischer,Joseph Charles	Primary PI	X	Methane mapping at CSU: 2017 salaries	Environmental Defense Fund
5302006	Paustian,Keith H	Primary PI	X	Supporting Regional Analyses and Supply Chain Initiatives for Agricultural Greenhouse Gas Reductions	Monsanto

5321524	Byrne,Patrick F	Co-PI	X	Validation, Characterization and Deployment of QTL for Grain Yield Components in Wheat (grain yield study)	University of California, Davis
5321524	Haley,Scott D	Co-PI	X	Validation, Characterization and Deployment of QTL for Grain Yield Components in Wheat (grain yield study)	University of California, Davis
5321524	Pearce,Stephen P	Primary PI	X	Validation, Characterization and Deployment of QTL for Grain Yield Components in Wheat (grain yield study)	University of California, Davis
5340079	Ebel,Gregory David	Primary PI	X	Role of Cell Tropism for Zika Virus Transmission and Pathogenesis	HHS-NIH-NIAID-Allergy and Infect Diseases
5342078	Clark,Maggie Lynn	Key Person	X	Household Air Pollution and Health: A Multi-Country LPG Intervention Trial	Emory University
5342078	Peel,Jennifer L	Primary PI	X	Household Air Pollution and Health: A Multi-Country LPG Intervention Trial	Emory University
5343078	Clark,Maggie Lynn	Key Person	X	Household Air Pollution and Health: A Multi-Country LPG Intervention Trial	Emory University
5343078	Peel,Jennifer L	Primary PI	X	Household Air Pollution and Health: A Multi-Country LPG Intervention Trial	Emory University
5338332	Klett,James E	Primary PI	X	Specialty Crops - Improve Propagation and Production Techniques of Plant Select Varieties	Colorado Department of Agriculture
5342092	Clark,Maggie Lynn	Primary PI	X	Household Air Pollution and Health: A Multi-Country LPG Intervention Trial	Emory University
5343092	Clark,Maggie Lynn	Primary PI	X	Household Air Pollution and Health: A Multi-Country LPG Intervention Trial	Emory University
5362054	Dayan,Franck E	Primary PI	X	Improving our Understanding of Resistance to, and MOA of, PPO-inhibiting Herbicides	Valent BioSciences Corporation
5309404	Schultz,Courtney Allison	Primary PI	X	Ecological and Social Dimensions of Resilient Landscapes	University of Oregon
5301253	Falkowski,Michael J	Primary PI	X	Building a Decision Support Tool for Pinyon-Juniper Removal: Maximizing Benefits to Sagebrush- and Forest-Obligate Songbirds	Western Association of Fish and Wildlife Agencies
5301254	Aldridge,Cameron	Primary PI	X	Evaluating Biodiversity of Sagebrush-Dependent Species within Sage Grouse Habitat: An Example from the Wyoming Basins	Western Association of Fish and Wildlife Agencies
5338335	Cranshaw,Whitney S	Primary PI	X	Establishing Insect Pest Management Needs for Hemp Grown in the High Plains/Rocky Mountain Region	University of California, Davis
5338336	Jayanty,Sastry SSGM	Primary PI	X	Specialty Crops - Determining the Pungency and Nutrient Composition of Colorado Pepper Varieties to Increase Marketability	Colorado Department of Agriculture
5383251	Kreidenweis-Dandy,Sonia M	Co-PI	X	Ice Nucleating Particle Influence on Southern Ocean Clouds: Measurements and Analysis for SOCRATES	NSF-National Science Foundation
5301634	Arabi,Mazdak	Co-PI	X	Developing a Holistic Modeling Infrastructure System for Multi-Model Interoperability for Complex Urban Environments	DOD-ARMY-Corps of Engineers
5314782	McKay,John K	Primary PI	X	Grey Monroe: DISSERTATION RESEARCH: The Evolution of Plant Drought Tolerance and Gene Function Across Historic Drought Frequency Gradients	NSF-National Science Foundation
5371501	Thompson,David	Primary PI	X	Exposing systematic errors in Arctic clouds in climate models and their implications for climate change simulations	NASA-Goddard
5369521	Thompson,David	Primary PI	X	Aspects of the Dynamics of the Coupled Troposphere-Stratosphere System	NSF-National Science Foundation
5319545	Collett Jr,Jeffrey L	Co-PI	X	Collaborative Research: Western wildfire Experiment for Cloud chemistry, Aerosol absorption and Nitrogen (WE-CAN)	NSF-National Science Foundation
5319545	Fischer,Emily V	Primary PI	X	Collaborative Research: Western wildfire Experiment for Cloud chemistry, Aerosol absorption and Nitrogen (WE-CAN)	NSF-National Science Foundation
5319545	Van Den Heever,Susan	Co-PI	X	Collaborative Research: Western wildfire Experiment for Cloud chemistry, Aerosol absorption and Nitrogen (WE-CAN)	NSF-National Science Foundation
5340027	Magzamen,Sheryl L	Primary PI	X	The Early Life Exposure and Childhood Health - The Colorado Healthy Start 3 Cohort Study (human exposure/health)	University of Colorado at Denver
5342027	Magzamen,Sheryl L	Primary PI	X	The Early Life Exposure and Childhood Health - The Colorado Healthy Start 3 Cohort Study (human exposure/health)	University of Colorado at Denver
5389705	Wallenstein,Matthew	Key Person	X	Crop Domestication and Breeding Impacts on Microbially-Mediated Plant Health	USDA-NIFA-National Institute of Food and Agriculture
5392730	Wallenstein,Matthew	Key Person	X	Crop Domestication and Breeding Impacts on Microbially-Mediated Plant Health	USDA-NIFA-National Institute of Food and Agriculture
5301642	Pierce,Jeffrey Robert	Co-PI	X	Air Quality Monitoring for the 21st Century: A Crowdsourced, Satellite-Enabled, Low-Cost Sampler	Colorado Office of Economic Development and Intl Trade
5301642	Volckens,John	Primary PI	X	Air Quality Monitoring for the 21st Century: A Crowdsourced, Satellite-Enabled, Low-Cost Sampler	Colorado Office of Economic Development and Intl Trade
5395011	Bell,Michael Monroe	Primary PI	X	Improved Physical Parameterizations for Tropical Cyclone Numerical Weather Prediction	DOD-NAVY-ONR-Office of Naval Research
5373711	Webb,Colleen T	Co-PI	X	Ensemble Prediction for Livestock Disease (food chain security)	USDA-NIFA-National Institute of Food and Agriculture
5340028	Olson,Kenneth E	Primary PI	X	Next-Generation, Semi-Orthogonal eTIPs for Active Suppression of Alpha Virus Replications (human and animal disease suppression)	University of Washington
5380151	Neilson,James Richmond	Primary PI	X	Materials Design Principles for Effective Light-Induced Charge Separation in Revolutionary Photovoltaics	Research Corporation for Science Advancement
5385522	Jahn,Courtney Elaine	Primary PI	X	Managing Potato Soil Health Through Crop Rotation Length and Diversity for Increased Economic Gain in Colorado	Colorado Potato Administrative Committee
5385522	Stewart,Jane E	Co-PI	X	Managing Potato Soil Health Through Crop Rotation Length and Diversity for Increased Economic Gain in Colorado	Colorado Potato Administrative Committee
5385021	Henry,Charles S	Primary PI	X	Deploying the PhytosynQ Platform to Enhance Critical Plant, Soil and Seed measurements to African Breeders, Researchers, and Extension Agents	Michigan State University
5301645	Quinn,Jason Charles	Primary PI	X	Wind for Schools	Alliance for Sustainable Energy-NREL-CRSP
5301646	Bailey,Ryan T	Primary PI	X	Improved Modeling Framework for Assessing Phosphorus and Nitrogen Transport in Tile-Drained Watersheds	USDA-NIFA-National Institute of Food and Agriculture
5301646	Suter,Jordan	Co-PI	X	Improved Modeling Framework for Assessing Phosphorus and Nitrogen Transport in Tile-Drained Watersheds	USDA-NIFA-National Institute of Food and Agriculture
5380091	Pierce,Jeffrey Robert	Co-PI	X	Using Space-based Lightning Observations to Improve Satellite Rainfall Estimation and Global Lightning Parameterizations	NASA-National Aeronautics and Space Administration
5380091	Rutledge,Steven A	Primary PI	X	Using Space-based Lightning Observations to Improve Satellite Rainfall Estimation and Global Lightning Parameterizations	NASA-National Aeronautics and Space Administration
5380061	Maloney,Eric D	Primary PI	X	Understanding tropical convective dynamics and the MJO using CYGNSS Observations (atmospheric research)	NASA-National Aeronautics and Space Administration
5380661	Van Den Heever,Susan	Co-PI	X	Understanding tropical convective dynamics and the MJO using CYGNSS Observations (atmospheric research)	NASA-National Aeronautics and Space Administration
5301653	Marchese,Anthony	Primary PI	X	Hydrothermal Processing of Biomass: Analysis and Testing of Upgraded HTL Products	DOE-Pacific Northwest National Laboratory
5301257	Rathburn,Sara L	Primary PI	X	Post-Flood Sediment and Wood Flux into Ralph Price Reservoir, North St. Vrain Creek, CO	City of Longmont
5309429	Paschke,Mark W	Primary PI	X	California Park Upland Restoration	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5310018	Kampf,Stephanie K	Primary PI	X	Stream Tracker: Crowd Sourcing and Remote Sensing to Monitor Stream Flow Intermittence	NASA-National Aeronautics and Space Administration
5310018	Lefsky,Michael A	Co-PI	X	Stream Tracker: Crowd Sourcing and Remote Sensing to Monitor Stream Flow Intermittence	NASA-National Aeronautics and Space Administration
5379711	Rasmussen,Kristen Lani	Primary PI	X	Collaborative Research: Radar Observations of Convective near Argentina's Sierras de Cordoba	NSF-National Science Foundation
5340115	Bartels,Randy A	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5340115	Borch,Thomas	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5340115	Cotrufo,Maria Francesca	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5340115	McKay,John K	Primary PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5340115	Pallickara,Sangmi Lee	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5340115	Paustian,Keith H	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5340115	Wallenstein,Matthew	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-Advanced Research Projects Agency-Energy
5301353	Bartels,Randy A	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	Borch,Thomas	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	Cotrufo,Maria Francesca	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	Graff,Gregory D	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	McKay,John K	Primary PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	Pallickara,Sangmi Lee	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	Paustian,Keith H	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301353	Wallenstein,Matthew	Co-PI	X	TT&O - Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	Bartels,Randy A	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	Borch,Thomas	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	Cotrufo,Maria Francesca	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	McKay,John K	Primary PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	Pallickara,Sangmi Lee	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	Paustian,Keith H	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301355	Wallenstein,Matthew	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301356	Bartels,Randy A	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301356	Borch,Thomas	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301356	Cotrufo,Maria Francesca	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301356	McKay,John K	Primary PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301356	Pallickara,Sangmi Lee	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5301356	Paustian,Keith H	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy

5301356	Wallenstein,Matthew	Co-PI	X	Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	DOE-US Department of Energy
5340121	Brown,Cynthia S	Primary PI	X	Using Plant Functional Traits to Predict Native and Non-Native Species Success According to Soil Type in Restoration	DOI-BLM-Bureau of Land Management
5300017	Bailey,Larissa	Primary PI	X	USGS-Understanding the Factors that Influence Boreal Toad Survival and Response to Population Invasion by the Amphibian Chytrid Fungus	DOI-USGS-Geological Survey
5301664	Venkatachalam,Chandrasekaran	Primary PI	X	Prototype Development of Electronic Scan Radar for Weather Surveillance	First RF Corporation
5301665	Venkatachalam,Chandrasekaran	Primary PI	X	Prototype Development of Electronic Scan Radar for Weather Surveillance	Colorado Office of Economic Development and Intl Trade
5393571	Prieto,Amy Lucia	Primary PI	X	Using Electrodeposition to Understand the Effects of Composition and Element Segregation on the Physical Properties of Next Generation Anode (battery research)	NSF-National Science Foundation
5392990	Sambur,Justin Barrett	Primary PI	X	Super-Resolution Imaging of Charge Carrier Recombination and Transport in Ultra Thin Liquid Junction Photovoltaics.	DOD-USAF-Air Force
5340133	Klett,James E	Primary PI	X	IR-4 Minor Crop Pest Management	University of California, Davis
5387911	Sites,James Russell	Primary PI	X	Collaborative Research: EAGER: TDM Solar Cells: Monolithic 2-Junction Polycrystalline/Silicon Solar Cells	NSF-National Science Foundation
5309443	Hoffman,Chad M	Primary PI	X	Assessing Gridded Fuel Moisture Data Impacts on Fire Behavior Predictions.	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5301688	Sale,Thomas C	Co-PI	X	Synergistic Treatment of Mixed 1,4-Dioxane and Polyfluorinated Chemical Contaminations by Combining Electrolytic Degradation with	DOD-US Department of Defense
5358961	Simmons,Mark	Primary PI	X	Digital Imagery for Pest Screening, Detection, Identification, and Report Production FY2018	USDA-APHIS-Animal Plant Health Insp Svc
5386161	Schumacher,Russ Stanley	Primary PI	X	Collaborative Research: Use of RELAMPAGO observations to understand the thermodynamic, kinematic, and dynamic processes leading to heavy precipitation	NSF-National Science Foundation
5389706	Paustian,Keith H	Co-PI	X	Growing Sustainable Feedstock Sheds	USDA-NIFA-National Institute of Food and Agriculture
5313527	Bonanno,Alessandro	Co-PI	X	Rural Community Impacts of Farm to School: Food Supply Chains, Educational Programming, and Household Food Purchases	USDA-NIFA-National Institute of Food and Agriculture
5313527	Costanigro,Marco	Co-PI	X	Rural Community Impacts of Farm to School: Food Supply Chains, Educational Programming, and Household Food Purchases	USDA-NIFA-National Institute of Food and Agriculture
5313527	Jablonski,Rebecca BR	Primary PI	X	Rural Community Impacts of Farm to School: Food Supply Chains, Educational Programming, and Household Food Purchases	USDA-NIFA-National Institute of Food and Agriculture
5313527	Thilmany,Dawn D	Co-PI	X	Rural Community Impacts of Farm to School: Food Supply Chains, Educational Programming, and Household Food Purchases	USDA-NIFA-National Institute of Food and Agriculture
5313528	Hufbauer,Ruth A	Primary PI	X	The Role of Eco-Evolutionary Dynamics in an Expanding Biocontrol Agent	USDA-NIFA-National Institute of Food and Agriculture
5309447	Redmond,Miranda D	Primary PI	X	Effects of Changing Climate on Reproduction and Long-Term Population Viability of a Semi-Arid Conifer	USDA-NIFA-National Institute of Food and Agriculture
5340148	Pablonia,Kristy L	Co-PI	X	CSA(5340179-5340148) A rapid-response antiviral for poultry: aerosolized ammunition against avian influenza outbreaks	CSURF-CSU Ventures
5340148	Wilusz,Jeffrey	Co-PI	X	CSA(5340179-5340148) A rapid-response antiviral for poultry: aerosolized ammunition against avian influenza outbreaks	CSURF-CSU Ventures
5340149	Pablonia,Kristy L	Co-PI	X	CSA(5340179-5340149) A rapid-response antiviral for poultry: aerosolized ammunition against avian influenza outbreaks	SIVEC Biotechnologies
5340149	Wilusz,Jeffrey	Co-PI	X	CSA(5340179-5340149) A rapid-response antiviral for poultry: aerosolized ammunition against avian influenza outbreaks	SIVEC Biotechnologies
5374102	Gaines,Todd A	Primary PI	X	CSA(5301358) Genetic Trait to Reduce Glyphosate Translocation in Glyphosate-Resistant Crops	CSURF-CSU Ventures
5301694	Sampath,Walajabad S	Co-PI	X	DuraMat program development for improving module reliability (photovoltaic)	Alliance for Sustainable Energy-NREL
5301697	Bradley,Thomas Heenan	Primary PI	X	Sandia BioEnergy Analysis Support	DOE-NTESS-Sandia National Laboratories
5301701	Sharvelle,Sybil E	Primary PI	X	Advancing the Design of a Multi-Stage Anaerobic Digester	Colorado Office of Economic Development and Intl Trade
5301702	Sharvelle,Sybil E	Primary PI	X	Advancing the Design of a Multi-Stage Anaerobic Digester	Nexus BioEnergy, Inc.
5350018	Romme,William H	Primary PI	X	Pinyon Juniper Forest Condition Assessment and Management Strategies	DOI-NPS-National Park Service
5309457	Cheng,Anthony S	Primary PI	X	Monitoring Ecological, Social, and Economic Effects of the Uncompahgre Plateau Collaborative Forest Landscape Restoration Project	USDA-USFS-Forest Research
5350029	Nissen,Scott J	Primary PI	X	Evaluating the Length of Control of Downy Brome (Bromus tectorum) and other Annual, Biennial, and Perennial Weed Species in Burned Versus Unburned Sites	Jefferson County, Colorado
5395171	Cooley,Daniel Stuart	Primary PI	X	Differentiated methane sensor targets for super emitters: Develop a pilot tool for well pads (Novim)	Novim
5395172	Cooley,Daniel Stuart	Primary PI	X	Differentiated methane sensor targets for super emitters: Develop a pilot tool for well pads (CERC)	Colorado Energy Research Collaboratory
5340179	Pablonia,Kristy L	Key Person	X	A Rapid-Response Antiviral for Poultry: Aerosolized Ammunition Against Avian Influenza Outbreaks	Colorado Office of Economic Development and Intl Trade
5340179	Wilusz,Jeffrey	Co-PI	X	A Rapid-Response Antiviral for Poultry: Aerosolized Ammunition Against Avian Influenza Outbreaks	Colorado Office of Economic Development and Intl Trade
5340181	Abdo,Zaid	Primary PI	X	High throughput sequencing of Avian Influenza viral genomes and metabarcoding analyses	USDA-APHIS-National Wildlife Research Center
5350022	Wohl,Ellen E	Primary PI	X	The Effect of Valley Geometry and Large Wood (LW) on Sediment Storage along Biscuit Brook	New York State Department of Environmental Conservation
5363722	Paustian,Keith H	Primary PI	X	Boulder County Carbon Sequestration Pilot Program	Boulder County, Colorado
5301735	Venkatachalam,Chandrasekaran	Primary PI	X	Deployment of X Band Radar to Santa Clara Valley (atmospheric radar)	Santa Clara Valley Water District
5350025	Suter,Jordan	Primary PI	X	Measuring Disaggregated Water Use by Agricultural Producers: A Behavioral Economics Approach Using Randomized Controlled Trials	Albany State University
5350037	Charkowski,Amy Olympia	Primary PI	X	Safeguarding the U.S. Seed Potato Industry Against Emerging Seed Potato-Borne Pathogens That Impact Trade and Farm Viability	USDA-APRS-Agricultural Research Service
5340189	McKay,John K	Primary PI	X	Evolutionary Genetics of Adaptation in Natural Populations of Arabidopsis Thaliana	Purdue University
5350038	Clements,William H	Primary PI	X	Post-Restoration Assessment of Macroinvertebrates and Terrestrial Subsidies to Brown Trout Populations in the Arkansas River, Colorado	Colorado Division of Parks and Wildlife
5350042	Aubry,Lise M	Primary PI	X	CESU-GP Biological Studies at Fort Carson, Colorado - Demographic and Physiological Monitoring of the Colorado Checkered Whiptail on Fort Carson, Colorado: An Integrated Conservation A	DOI-USFWS-Fish and Wildlife Service
5350045	Paustian,Keith H	Primary PI	X	Development of Pest Screening and Identification Resources for PPQ (plant health)	USDA-APHIS-Animal Plant Health Insp Svc
5301737	Arabi,Mazdak	Co-PI	X	Multi-model Calibration, Verification, and Visualization for Complex Urban Environments	DOD-ARMY-Corps of Engineers
5340194	Stewart,Jane E	Primary PI	X	Pine-Fungal Interactions in a Changing Climate	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5315002	Belk,Keith	Primary PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics	National Cattlemens Beef Association
5315002	Delmore,Robert J	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics	National Cattlemens Beef Association
5315002	Martin,Jennifer Nicole	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics	National Cattlemens Beef Association
5315002	Metcalf,Jessica Lynne	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics	National Cattlemens Beef Association
5315002	Morley,Paul S	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics	National Cattlemens Beef Association
5315002	Yang,Hua	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics	National Cattlemens Beef Association
5350721	Thompson,David	Primary PI	X	Analyses of large-scale climate variability: Understanding periodicity in the extratropical storm tracks	NSF-National Science Foundation
5350056	Kampf,Stephanie K	Primary PI	X	Continuation of Investigation of Nitrogen Deposition into Loch Vale, Rocky Mountain National Park	DOI-NPS-National Park Service
5350058	Bailey,Larissa	Primary PI	X	Understanding the Factors that Influence Boreal Toad Survival and Response to Population Invasion by the Amphibian Chytrid Fungus	DOI-NPS-National Park Service
5350059	Berger,Joel	Primary PI	X	Sentinel Sites of the Western Hemisphere: Connecting the Conservation Dots along the Mountains of the Americas to Improve Protected Area Resiliency & Biological Diversity	DOI-NPS-National Park Service
5350062	Hobbs,Nicholas Thompson	Primary PI	X	Models and Data for Predicting the Abundance of Moose and Elk on the Summer Range in Rocky Mountain National Park	DOI-NPS-National Park Service
5360991	Webb,Coleen T	Primary PI	X	Statistical Models in Feral Swine (17-7488-1265-CA)	USDA-APHIS-National Wildlife Research Center
5393281	Henry,Charles S	Primary PI	X	Thermoplastic Electrodes for Sensing and Batteries	NSF-National Science Foundation
5364671	Fischer,Emily V	Primary PI	X	Collaborative Research: RAPID-Smoke Forecasting Support for the Western Wildfire Experiment for Cloud Chemistry, Aerosol absorption and Nitrogen (WE-CAN) Field Intensive	NSF-National Science Foundation
5388034	Finke,Richard G	Primary PI	X	Photoelectrochemically Driven Water-Oxidation Catalysis by Perylene Diimide Plus Cobalt-Oxide Based Photoanodes: Fundamental Studies En Route to Second-Generation Systems	NSF-National Science Foundation
5363571	Angeloni,Lisa Maria	Primary PI	X	Soundscape analysis and report writing for Grand Canyon National Park	DOI-NPS-National Park Service
5363571	Crooks,Kevin	Co-PI	X	Soundscape analysis and report writing for Grand Canyon National Park	DOI-NPS-National Park Service
5363571	Wittemyer,George	Co-PI	X	Soundscape analysis and report writing for Grand Canyon National Park	DOI-NPS-National Park Service
5370811	Maloney,Eric D	Primary PI	X	Evaluation of Climate Model Precipitation Processes using a TRMM/GPM Radar Simulator	Texas A and M University
5301747	Dandy,David S	Primary PI	X	Rapid and Inexpensive Field Test for Cacao Swollen Shoot Virus DNA (agricultural health)	Access Sensor Technologies, LLC
5301747	Geiss,Brian J	Co-PI	X	Rapid and Inexpensive Field Test for Cacao Swollen Shoot Virus DNA (agricultural health)	Access Sensor Technologies, LLC
5301747	Henry,Charles S	Co-PI	X	Rapid and Inexpensive Field Test for Cacao Swollen Shoot Virus DNA (agricultural health)	Access Sensor Technologies, LLC
5315006	Leach,Jan E	Primary PI	X	Bacterial Leaf Streak Consortium	Foundation for Food and Agriculture Research
5309469	Cheng,Anthony S	Primary PI	X	Science-Based Support to Sustain the Resilience of Colorado's Front Range Forests, Watersheds and Communities to Wildfire	USDA-USFS-Forest Research
5350076	Covino,Timothy P	Primary PI	X	Collaborative Research: How Do Interactions of Transport and Stoichiometry Maximize Stream Nutrient Retention?	NSF-National Science Foundation
5350078	Wilson,Kenneth R	Primary PI	X	2017 Spotted Owl Demographic Study: Willow Creek Study Area	USDA-USFS-Pacific SW
5315013	Charkowski,Amy Olympia	Primary PI	X	Small molecule cocktails designed to impair virulence targets in soft rot Enterobacteria	Binational Agricultural Research and Development Fund
5350084	Falkowski,Michael J	Primary PI	X	Developing Canopy Cover Change Estimates for Sage Grouse Conservation	Pheasants Forever
5350086	Breidt,F Jay	Co-PI	X	Improving Agricultural Land National GHG Inventory and COMET-Farm Forestry Application Tool	USDA-US Department of Agriculture
5350086	Ogle,Stephen M	Primary PI	X	Improving Agricultural Land National GHG Inventory and COMET-Farm Forestry Application Tool	USDA-US Department of Agriculture
5350086	Parton,William J	Co-PI	X	Improving Agricultural Land National GHG Inventory and COMET-Farm Forestry Application Tool	USDA-US Department of Agriculture

5350086	Paustian,Keith H	Co-PI	X	Improving Agricultural Land National GHG Inventory and COMET-Farm Forestry Application Tool	USDA-US Department of Agriculture
5388821	Chen,Eugene Y	Primary PI	X	SusCHEM: Stereoselective Polymerization Catalysis of Biomass Monomers by Chiral Transition-Metal and Organic Catalysts	NSF-National Science Foundation
5301358	Gaines,Todd A	Primary PI	X	Genetic Trait to Reduce Glyphosate Translocation in Glyphosate-Resistant Crops	Colorado Office of Economic Development and Intl Trade
5309478	Hoffman,Chad M	Primary PI	X	Development, Assessment and Application of Physics-Based Wildland Fire Behavior Models	USDA-USFS-Pacific NW Exp Statn
5301361	Uchanski,Mark E	Co-PI	X	Field Irrigation Response of Aronia melanocarpa cv Galicjanka, a New Multi-Product Colorado fruit to Enhance Crop Diversity	Colorado Department of Agriculture
5309503	Bailey,Larissa	Primary PI	X	Ecology, Biology, Behavior, and Control of Invasive Brown Treesnakes in the Pacific Region	DOI-USGS-Geological Survey
5301363	Charkowski,Amy Olymbia	Primary PI	X	Integrating next-generation technologies for blackleg and soft rot management in potato	USDA-NIFA-National Institute of Food and Agriculture
5301363	Heuberger,Adam L	Co-PI	X	Integrating next-generation technologies for blackleg and soft rot management in potato	USDA-NIFA-National Institute of Food and Agriculture
5301366	Belk,Keith	Primary PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics.	Foundation for Meat and Poultry Research and Education
5301366	Delmore,Robert J	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics.	Foundation for Meat and Poultry Research and Education
5301366	Metcalf,Jessica Lynne	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics.	Foundation for Meat and Poultry Research and Education
5301366	Morley,Paul S	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics.	Foundation for Meat and Poultry Research and Education
5301366	Woerner,Dale	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics.	Foundation for Meat and Poultry Research and Education
5301366	Yang,Hua	Co-PI	X	AMR risk assessment data gaps: AMR in feces of culled market cows and bulls and retail meat and poultry products from animals raised with and without antibiotics.	Foundation for Meat and Poultry Research and Education
5309504	Rathburn,Sara L	Primary PI	X	Mass Movement Response to Climate Change in Denali National Park and Preserve, AK	DOI-NPS-National Park Service
5309505	Schultz,Courtney Allison	Primary PI	X	Collaborative Proposal: MSB-FRA: The Future of US Forest Function under Changing Climate, Disturbance and Forest Management	NSF-National Science Foundation
5333752	Henry,Charles S	Primary PI	X	R33: Low-Cost, Versatile Sampler for Personal PM Exposure by Microenvironment	HHS-NIH-Natl Inst of Environ Health Serv
5333752	Magzamen,Sheryl L	Key Person	X	R33: Low-Cost, Versatile Sampler for Personal PM Exposure by Microenvironment	HHS-NIH-Natl Inst of Environ Health Serv
5301375	Leach,Jan E	Primary PI	X	Development and implementation of mitigation strategies for the emerging maize pathogen Xanthomonas vasicola vasculorum (agricultural health)	USDA-APHIS-Animal Plant Health Insp Srvc
5301379	Stewart,Jane E	Primary PI	X	Developing molecular tools to identify emerging conifer foliage pathogens	USDA-USFS-Forest Research
5365651	Miyake,Garret Morgan	Primary PI	X	Sustainability through Polymer Science	Alfred P. Sloan Foundation
5393661	Rutledge,Steven A	Co-PI	X	TOWARD BETTER UNDERSTANDING OF MICROPHYSICAL PROCESSES AND RESULTING PRECIPITATION PHYSICS A MERGER OF OBSERVATIONS AND CLOUD MODELS	DOE-US Department of Energy
5393661	Van Den Heever,Susan	Co-PI	X	TOWARD BETTER UNDERSTANDING OF MICROPHYSICAL PROCESSES AND RESULTING PRECIPITATION PHYSICS A MERGER OF OBSERVATIONS AND CLOUD MODELS	DOE-US Department of Energy
5301769	Pierce,Jeffrey Robert	Primary PI	X	Aerosol Size Distribution and Composition Evolution during FIREX Activities: Closure Analyses and Climate Impacts	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5362421	Schumacher,Russ Stanley	Primary PI	X	Collaborative Research: Observed and Future Dynamically Downscaled Estimates of Precipitation Associated with Mesoscale Convective Systems	NSF-National Science Foundation
5301771	Jathar,Shantanu	Primary PI	X	Studying Cloud and Radiative Impacts through an Improved Physically Based Representation of Organic Aerosol in a Large-Scale Model	DOE-US Department of Energy
5301771	Pierce,Jeffrey Robert	Co-PI	X	Studying Cloud and Radiative Impacts through an Improved Physically Based Representation of Organic Aerosol in a Large-Scale Model	DOE-US Department of Energy
5309514	Cheng,Anthony S	Primary PI	X	Colorado Forest Restoration Institute, FY17	USDA-USFS-Forest Research
5340217	Ebel,Gregory David	Primary PI	X	Temperature Dependent Impacts of RNA Virus Population Evolution	HHS-NIH-NIAID-Allergy and Infect Diseases
5309517	Ocheltree,Troy W	Primary PI	X	Fire Effects on Herbaceous Regeneration across an Invasion Gradient of Grasslands and Shrublands	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5340221	Abdo,Zaid	Primary PI	X	Studying Raccoon Rabies control and elimination, a modeling and computational approach	USDA-APHIS-National Wildlife Research Center
5301386	Loomis,John B	Co-PI	X	Economic Value of Ecosystem Services Supported by Dryland & Grassland Environments	DOI-USGS-Geological Survey
5340223	Powers,Barbara E	Primary PI	X	USDA Expanded Enhanced Passive Surveillance Pilot Project (animal health surveillance)	USDA-APHIS-Animal Plant Health Insp Srvc
5365951	Webb,Colleen T	Primary PI	X	Mapping and modeling Avian Influenza risk and spread from wild waterfowl and risks posed to poultry at the national scale.	USDA-APHIS-Animal Plant Health Insp Srvc
5366361	Webb,Colleen T	Primary PI	X	Modeling Domestic Swine Movements and Tr	USDA-APHIS-Animal Plant Health Insp Srvc
5367101	Waskom,Reagan M	Primary PI	X	William Farmer: National Domain Water Budgets NIWR-USGS Student Internship Program	DOI-USGS-Geological Survey
5350871	Maloney,Eric D	Primary PI	X	A Modeling Study of Easterly Waves and Their Intraseasonal Variability in the East Pacific	NSF-National Science Foundation
5301388	Charkowski,Amy Olymbia	Primary PI	X	Development of multiplex detection methods and management tools for Dickeya dianthicola on Potato	USDA-NIFA-National Institute of Food and Agriculture
5309529	Rideout,Douglas B	Primary PI	X	National/Regional Budget Formulation Fuels and Preparedness	DOI-NPS-National Park Service
5352102	Bailey,Larissa	Primary PI	X	CESU-RM: Ecology, Biology, and Monitoring of Invasive Brown Treesnakes in the Pacific Region	DOI-USGS-Geological Survey
5352105	Boone,Randall B	Primary PI	X	Rangeland Modeling: Forage Forecasting, Livestock Behavior and Performance	USDA-ARS-Agricultural Research Service
5352105	Moore,John C	Co-PI	X	Rangeland Modeling: Forage Forecasting, Livestock Behavior and Performance	USDA-ARS-Agricultural Research Service
5352105	Parton,William J	Co-PI	X	Rangeland Modeling: Forage Forecasting, Livestock Behavior and Performance	USDA-ARS-Agricultural Research Service
5352107	Boone,Randall B	Co-PI	X	CESU-RM: Ecology of Wild Horses and Burros in the Rocky Mountain Region and Western USA	DOI-USGS-Geological Survey
5352108	Myrick,Christopher A	Primary PI	X	Effects of Light Level and Surface Roughness on the Passage Success of Plains Fishes in Rock Ramp Fishways	DOI-USFWS-Fish and Wildlife Service
5352112	Rideout,Douglas B	Primary PI	X	CESU-CP: Formulation and Estimation of the Tradeoff between Fuels and Preparedness Budgets Using Translog Econometric Production Function	DOI-NPS-National Park Service
5352113	Cheng,Anthony S	Co-PI	X	CESU-RM: Comparing Changes in Spatial Patterns between Collaborative Restoration Treatments and Wildfires in the Colorado Front Range	DOI-USGS-Geological Survey
5301783	Jathar,Shantanu	Primary PI	X	Modeling the Complex and Dynamic Physico-chemical Evolution of Primary and Secondary Organic Aerosol from Wildfire Smoke	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301783	Pierce,Jeffrey Robert	Co-PI	X	Modeling the Complex and Dynamic Physico-chemical Evolution of Primary and Secondary Organic Aerosol from Wildfire Smoke	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5375525	Ode,Paul James	Primary PI	X	Improving methods for anticipating the impacts of invasive insects, plants, and biological control agents	DOI-USGS-Geological Survey
5301786	Sampath,Walajabad S	Primary PI	X	15 percent efficiency (Mg Zn) CDE Solar Cells with 1.7 eV Bandgap for Tandem Applications	Arizona State University
5363791	Collett Jr,Jeffrey L	Primary PI	X	Characterizing air quality issues in Carlsbad Caverns and other SW U.S. National Parks	DOI-NPS-National Park Service
5385371	Van Den Heever,Susan	Primary PI	X	16-CAMP2EX-16-0020 Aerosol Impacts on the Microphysical and Dynamical Processes of Tropical Convection and Cold Pools and their Environmental Modulation	NASA-National Aeronautics and Space Administration
5340235	Magzamen,Sheryl L	Primary PI	X	Modeling Highly Pathogenic Avian Influenza in the United States at the Wild Bird - Domestic Poultry Interface	USDA-APHIS-Animal Plant Health Insp Srvc
5352114	Angeloni,Lisa Maria	Co-PI	X	CESU-RM: Sound and Light Ecology Research	DOI-NPS-National Park Service
5352114	Crooks,Kevin	Co-PI	X	CESU-RM: Sound and Light Ecology Research	DOI-NPS-National Park Service
5352114	Wittemyer,George	Primary PI	X	CESU-RM: Sound and Light Ecology Research	DOI-NPS-National Park Service
5375527	Andales,Allan A	Primary PI	X	Determination of Consumptive Water Use of Winter Wheat in the Arkansas Valley (Year 2)	Colorado Water Conservation Board
5309536	Cheng,Anthony S	Primary PI	X	Colorado Forest Restoration Institute, FY17 Supplemental	USDA-USFS-Forest Research
5375529	Charkowski,Amy Olymbia	Primary PI	X	ID Aids for PPO Pest Topics of Concern	USDA-APHIS-Animal Plant Health Insp Srvc
5301793	Bailey,Ryan T	Primary PI	X	Selenium Characterization and Modeling for the Lower Arkansas River Basin	Colorado Department of Public Health and Environment
5301793	Gates,Timothy K	Co-PI	X	Selenium Characterization and Modeling for the Lower Arkansas River Basin	Colorado Department of Public Health and Environment
5309537	Paschke,Mark W	Primary PI	X	Identifying Regeneration Obstacles and Restoration Opportunities for Large Pile Burns in High Elevation Forests	USDA-USFS-Forest Research
5352115	Wohl,Ellen E	Primary PI	X	CESU-GP: Developing Riverbank Stabilization Guidance at MNRR	DOI-NPS-National Park Service
5352116	Bruyere,Brett L	Primary PI	X	Human Wildlife Conflict: Cooperative Agreement for Graduate Research between CSU and USDA/APHIS/W/NSWRC	USDA-APHIS-Animal Plant Health Insp Srvc
5352117	Berger,Joel	Primary PI	X	Climate Change and Alpine Oblivates in Glacier National Park (funding for Garrett -GRA)	Glacier National Park Conservancy
5301798	Farmer,Delphine Kasimira	Primary PI	X	Near-field Characterization of Biomass Burning Plumes	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301798	Kreidenweis-Dandy,Sonia M	Co-PI	X	Near-field Characterization of Biomass Burning Plumes	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5362991	Waskom,Reagan M	Primary PI	X	SUBAWARD TO CSM: FY 17 WRII 104g: Hydrodynamic-enhancement of nitrate attenuation by integrating reactive biobarriers into shallow, open water treatment wetlands	DOI-USGS-Geological Survey
5372571	Browne,Katherine E	Primary PI	X	Collaborative Research: Who Lives Here? A baseline study of communities affected by Hurricane Harvey: How decision-making about risk and interdependencies impact well-being	NSF-National Science Foundation
5372572	Browne,Katherine E	Primary PI	X	PARTICIPANT SUPPORT: Collaborative Research: Who Lives Here? A baseline study of communities affected by Hurricane Harvey: How decision-making about risk and interdependencies im	NSF-National Science Foundation
5368891	Geiss,Brian J	Co-PI	X	Development of Biosensors to Detect Pathogens in Environmental and Wildlife Samples	USDA-APHIS-National Wildlife Research Center
5368891	Henry,Charles S	Primary PI	X	Development of Biosensors to Detect Pathogens in Environmental and Wildlife Samples	USDA-APHIS-National Wildlife Research Center
5354121	Collett Jr,Jeffrey L	Primary PI	X	Monitoring air quality and related impacts from future oil and gas development in eastern Montana and western North Dakota	DOI-BLM-Bureau of Land Management
5352118	Ojima,Dennis	Primary PI	X	Enabling Climate-Informed Planning and Decisions about Species of Conservation Concern in the Northern Central Region	DOI-USGS-Geological Survey
5352119	Ojima,Dennis	Primary PI	X	Evaporative Demand, Drought Monitoring and Assessment across Timescales	DOI-USGS-Geological Survey
5352122	Ojima,Dennis	Primary PI	X	Adaptation: Sustaining Stakeholder Engagement and Evaluation	DOI-USGS-Geological Survey
5363881	Ojima,Dennis	Primary PI	X	Adaptation: Sustaining Stakeholder Engagement and Evaluation	DOI-USGS-Geological Survey
5352123	Ojima,Dennis	Primary PI	X	Foundational Science: Impacts and Vulnerability	DOI-USGS-Geological Survey

5352124	Koons,David N	Primary PI	X	Temporal covariation of demographic rates in lesser scaup ( <i>Aythya affinis</i> ) and management implications	Ducks Unlimited
5340237	Mathiason,Candace K	Primary PI	X	Evaluation of Sterilization and Disposal Systems for Agricultural and Quarantine Waste	USDA-APHIS-Animal Plant Health Insp Srvc
5309558	Hoffman,Chad M	Primary PI	X	Influence of Within-Stand Variability in Tree and Surface Fuel Patterns of Fire Hazard	USDA-USFS-Forest Research
5301802	Julien,Pierre Y	Primary PI	X	Linking Morpho-dynamic and Biological-habitat Conditions on the Middle Rio Grande	DOI-Bureau of Reclamation
5375534	Charkowski,Amy Olymbia	Primary PI	X	Safeguarding the U.S. Seed Potato Industry Against Emerging Seed Potatoborne Viruses	USDA-ARS-Agricultural Research Service
5301803	Sampath,Walajabad S	Primary PI	X	1654-1748: High lifetime and mobility CdTe alloys by co-sublimation (photovoltaics)	DOE-US Department of Energy
5340239	Mayo,Christie E	Primary PI	X	Vesicular Stomatitis Virus Disease vectors (agricultural health)	USDA-ARS-Agricultural Research Service
5352125	Harry,Dennis L	Primary PI	X	Participation of Dennis L. Harry on Expedition 369 (climate and tectonic research)	Columbia University
5301522	Harry,Dennis L	Primary PI	X	Syn-rift extension and subsidence on the southern and southwestern Australia rifted margins	Columbia University
5386281	Denning,A Scott	Primary PI	X	SI2-SSI: Lightweight Infrastructure for Land Atmosphere Coupling (LILAC): A Tool for Easy Integration of the Community Land Model into Multiple Modeling Systems	NSF-National Science Foundation
5386281	Whitley,L Darrell	Co-PI	X	SI2-SSI: Lightweight Infrastructure for Land Atmosphere Coupling (LILAC): A Tool for Easy Integration of the Community Land Model into Multiple Modeling Systems	NSF-National Science Foundation
5386282	Denning,A Scott	Primary PI	X	PARTICIPANT SUPPORT: SI2-SSI: Lightweight Infrastructure for Land Atmosphere Coupling (LILAC): A Tool for Easy Integration of the Community Land Model into Multiple Modeling Systems	NSF-National Science Foundation
5386282	Whitley,L Darrell	Co-PI	X	PARTICIPANT SUPPORT: SI2-SSI: Lightweight Infrastructure for Land Atmosphere Coupling (LILAC): A Tool for Easy Integration of the Community Land Model into Multiple Modeling Systems	NSF-National Science Foundation
5374231	Pena,Anita Alves	Primary PI	X	Economic Impacts of Wildlife Strikes	USDA-APHIS-National Wildlife Research Center
5340245	Pabilonia,Kristy L	Primary PI	X	USDA-APHIS National Wildlife Disease Tissue Archive	USDA-APHIS-Animal Plant Health Insp Srvc
5352127	Bailey,Larissa	Primary PI	X	Nonlethal Management of Coyote Predation	USDA-APHIS-National Wildlife Research Center
5352128	Wilson,Kenneth R	Primary PI	X	Barred Owl Surveys on Willow Creek	USDA-APHIS-National Wildlife Research Center
5352129	Aldridge,Cameron	Co-PI	X	CESU-RM: Simulating Populations in Non-Stationary Environments: Assessing Sage-Grouse Responses	DOI-USGS-Geological Survey
5352131	Aldridge,Cameron	Primary PI	X	CESU-RM: Greater Sage Grouse Population and Sagebrush Habitat Information Synthesis for Integrated Modeling and Assessment	DOI-USGS-Geological Survey
5301304	Charkowski,Amy Olymbia	Primary PI	X	Screening potato germplasm for resistance to <i>Dickeya dianthicola</i>	USDA-ARS-Agricultural Research Service
5301304	Heuberger,Adam L	Co-PI	X	Screening potato germplasm for resistance to <i>Dickeya dianthicola</i>	USDA-ARS-Agricultural Research Service
5301305	Andales,Allan A	Primary PI	X	Understanding Water Use and Plant Responses of Crops Due to Deficit Irrigation	USDA-ARS-Agricultural Research Service
5352133	McGrath,Daniel	Primary PI	X	CESU-RM: Resolving Spatial and Temporal Variability of Snow Accumulation in Mountain and Glacier Environments	DOI-USGS-Geological Survey
5301309	Charkowski,Amy Olymbia	Primary PI	X	Biological and economic impacts of emerging potato tuber necrotic viruses and the development of comprehensive and sustainable management practices	Cornell University
5301806	Venkatachalam,Chandrasekaran	Primary PI	X	CityWarn: A Smart Hyperlocal Hazard Notification System	University of Massachusetts
5352136	MacDonald,Lee H	Primary PI	X	Analysis of discharge-suspended sediment relationships to examine effects of geologic setting and management practices	National Council for Air/Stream Improvement
5340409	Bowen,Richard A	Primary PI	X	Training Domestic Dogs for Surveillance of Avian Influenza	USDA-APHIS-National Wildlife Research Center
5301814	Jia,Gaofeng	Primary PI	X	MPG: Development of age and state dependent stochastic model for improved bridge deterioration prediction (sustainable and more resilient materials)	North Dakota State University
5301815	Niemann,Jeffrey D	Primary PI	X	MPG: Quantifying Mountain Basin Runoff Mechanisms for Better Hydrologic Design of Bridges and Culverts	North Dakota State University
5301816	Bareither,Christopher Alan	Co-PI	X	MPG: Representative Testing of Expansive Soil Treatment Technologies for Transportation Earthworks	North Dakota State University
5301816	Scalia IV,Joseph	Primary PI	X	MPG: Representative Testing of Expansive Soil Treatment Technologies for Transportation Earthworks	North Dakota State University
5301327	Atadero,Rebecca A	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Bareither,Christopher Alan	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Bhaskar,Aditi	Primary PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Bradley,Thomas Heenan	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Chen,Suren	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Guo,Yanlin	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Heyliger,Paul R	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Jia,Gaofeng	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Niemann,Jeffrey D	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Ozbek,Mehmet Egemen	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	Scalia IV,Joseph	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301327	van de Lindt,John W	Co-PI	X	MPG: Mitigation of flooding-related traffic disruptions with green infrastructure stormwater mgmt.	North Dakota State University
5301329	Atadero,Rebecca A	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Bareither,Christopher Alan	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Bhaskar,Aditi	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Bradley,Thomas Heenan	Primary PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Chen,Suren	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Guo,Yanlin	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Heyliger,Paul R	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Jia,Gaofeng	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Niemann,Jeffrey D	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Ozbek,Mehmet Egemen	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	Scalia IV,Joseph	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301329	van de Lindt,John W	Co-PI	X	MPG: Experiments and Modeling for Infrastructure Data-Derived Fuel Economy and Safety Improvements	North Dakota State University
5301819	Sampath,Walajabad S	Co-PI	X	1654-1597: Advanced Module Architecture for Reduced Costs, High Durability And Significantly Improved Manufacturability	DOE-US Department of Energy
5301821	Sampath,Walajabad S	Co-PI	X	Advanced Module Architecture for Reduced Costs, High Durability and Significantly Improved Manufacturability (DOE 1654-1597-COST SHARE)	Colorado Energy Research Collaboratory
5352142	Betsill,Michele M	Co-PI	X	Philanthropic Legacies: Understanding the Role of Foundations in Marine Conservation Governance	Packard Foundation (David and Lucile)
5352142	Gruby,Rebecca L	Primary PI	X	Philanthropic Legacies: Understanding the Role of Foundations in Marine Conservation Governance	Packard Foundation (David and Lucile)
5352144	Cheng,Antony S	Co-PI	X	Assessing the Impact of Investments on the Adaptability and Sustainability of Collaboration in National Forest Management	The National Forest Foundation
5301318	Brummer,Joe E	Co-PI	X	Measuring Consumptive Use for Alfalfa and Grass Hayfields Using Reflectance-Based Methods at Ground Surface	Colorado River Water Conservation District
5301319	Ippolito,Jim	Primary PI	X	Biosolids Land Application Research Program	City of Littleton
5352145	Wohl,Ellen E	Primary PI	X	Assessing the Potential for Beaver Restoration and Likely Environmental Benefits	City of Boulder Open Space & Mountain Parks
5301822	Quinn,Jason Charles	Primary PI	X	Feasibility Analysis of Electric Roadways Through Localized Traffic, Cost, Adoption, and Environmental Impact Modeling	Utah State University
5301823	Quinn,Jason Charles	Primary PI	X	A Micro Algae-based Platform for the Beneficial Reuse of CO2 Emissions from POW	University of Kentucky
5375862	Cafaro,Philip J	Primary PI	X	Research on effects of overpopulation and ethical measures to reduce population growth in the world	Global Challenges Foundation
5363191	Kreidenweis-Dandy,Sonia M	Co-PI	X	Temperature, humidity, and composition-dependence of secondary organic aerosol viscosity	University of Colorado at Boulder - C2B2
5375546	Countryman,Amanda Marie	Primary PI	X	Impacts of Coupled Changes in Navigation Infrastructure, Global Trade, Climate and Policy on Ship-borne Invasions	Cornell University
5340266	Barfield,Jennifer P	Primary PI	X	Increasing Production of Bison Calves through Embryo Transfer	Riell Bison, LLC
5375548	Belk,Keith	Primary PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5375548	Delmore,Robert J	Co-PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5375548	Engle,Terry E	Co-PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5375548	Prenni,Jessica E	Co-PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5375548	Wagner,John Joseph	Co-PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5375548	Woerner,Dale	Co-PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5375548	Yang,Hua	Co-PI	X	U.S. Beef Industry Best Practices for the Chinese Market (food safety and quality)	Texas A and M University
5340271	Mayo,Christie E	Primary PI	X	Novel, transnational, multidisciplinary approach to diagnose and genetically characterize high consequence pathogens affecting animal health	American Association of Veterinary Laboratory Diagnosticians
5301834	Mahmoud,Hussam N	Primary PI	X	Underwater Experimental Fatigue Evaluation Of Fiber-Retrofitted Steel Panels	Battelle Memorial Institute
5375549	Uchanski,Mark E	Primary PI	X	TO 2 LED lighting impacts on greenhouse strawberry fruit yield and quality	Philips Lighting

5373361	Miyake, Garret Morgan	Primary PI	X	Paintable Heat-Reflective Coatings for Low-Cost Energy Efficient Windows	DOE-US Department of Energy
5373362	Miyake, Garret Morgan	Primary PI	X	TT&O: Paintable Heat-Reflective Coatings for Low-Cost Energy Efficient Windows	DOE-US Department of Energy
5301836	Cheng, Antony S	Co-PI	X	Conservation Effects Assessment for Forests of the Colorado Front Range	Texas A and M University
5301838	Bailey, Ryan T	Primary PI	X	BLM-NOC, Enhancement of APEX Model for Simulating Soil Erosion and Salt Transport in the Colorado River Basin	Texas A and M University
5301839	Mahmoud, Hussam N	Primary PI	X	Experimental Retrofit Assessment of Pintle Sockets of Miter Gates	Battelle Memorial Institute
5384191	Henry, Charles S	Primary PI	X	Electrochemical Paper-Based Analytical Devices for Metal Determinations	Access Sensor Technologies, LLC
5384191	Volckens, John	Co-PI	X	Electrochemical Paper-Based Analytical Devices for Metal Determinations	Access Sensor Technologies, LLC
5375561	Belk, Keith	Primary PI	X	Effect of antimicrobial treatment of beef cheek meat and tongues on pathogen survival/death and product flavor volatiles during refrigerated and frozen storage.	Foundation for Meat and Poultry Research and Education
5375561	Delmore, Robert J	Co-PI	X	Effect of antimicrobial treatment of beef cheek meat and tongues on pathogen survival/death and product flavor volatiles during refrigerated and frozen storage.	Foundation for Meat and Poultry Research and Education
5375561	Woerner, Dale	Co-PI	X	Effect of antimicrobial treatment of beef cheek meat and tongues on pathogen survival/death and product flavor volatiles during refrigerated and frozen storage.	Foundation for Meat and Poultry Research and Education
5375561	Yang, Hua	Co-PI	X	Effect of antimicrobial treatment of beef cheek meat and tongues on pathogen survival/death and product flavor volatiles during refrigerated and frozen storage.	Foundation for Meat and Poultry Research and Education
5352155	Koons, David N	Primary PI	X	Spatio-Temporal Trends in Breeding Duck Populations	Delta Waterfowl
5352157	Parton, William J	Primary PI	X	National Drought Mitigation Center, University of Nebraska Lincoln Drought Information Services and Research for Agriculture across the United States	University of Nebraska
5340398	Caspari, Horst W	Primary PI	X	Using Unmanned Aerial Vehicles (UAV) to Identify and Monitor Vineyard Areas Negatively Affected by Grape Phylloxera	Colorado Department of Agriculture
5340402	Byrne, Patrick F	Co-PI	X	Leveraging Crop Genotype X Soil Rhizosphere Community Interactions To Better Manage N Cycling In A Context Of Improved Soil Health	USDA-NIFA-National Institute of Food and Agriculture
5340402	Cotrufo, Maria Francesca	Co-PI	X	Leveraging Crop Genotype X Soil Rhizosphere Community Interactions To Better Manage N Cycling In A Context Of Improved Soil Health	USDA-NIFA-National Institute of Food and Agriculture
5340402	Fonte, Steven John	Primary PI	X	Leveraging Crop Genotype X Soil Rhizosphere Community Interactions To Better Manage N Cycling In A Context Of Improved Soil Health	USDA-NIFA-National Institute of Food and Agriculture
5340402	Schipanski, Meagan Erin	Co-PI	X	Leveraging Crop Genotype X Soil Rhizosphere Community Interactions To Better Manage N Cycling In A Context Of Improved Soil Health	USDA-NIFA-National Institute of Food and Agriculture
5340402	Wallenstein, Matthew	Co-PI	X	Leveraging Crop Genotype X Soil Rhizosphere Community Interactions To Better Manage N Cycling In A Context Of Improved Soil Health	USDA-NIFA-National Institute of Food and Agriculture
5340403	Minas, Ioannis	Co-PI	X	Cytospora management in peach orchards through cultural practices, cultivar selection, and stress mitigation	Colorado Department of Agriculture
5340403	Stewart, Jane E	Primary PI	X	Cytospora management in peach orchards through cultural practices, cultivar selection, and stress mitigation	Colorado Department of Agriculture
5340406	Belk, Keith	Primary PI	X	Sampling and Residue Testing of Tissues from Study FRR1708 Effects of Ractopamine Withdrawal in Yearling Steers (food safety and quality)	National Cattlemen Beef Association
5340406	Prenni, Jessica E	Co-PI	X	Sampling and Residue Testing of Tissues from Study FRR1708 Effects of Ractopamine Withdrawal in Yearling Steers (food safety and quality)	National Cattlemen Beef Association
5340406	Woerner, Dale	Co-PI	X	Sampling and Residue Testing of Tissues from Study FRR1708 Effects of Ractopamine Withdrawal in Yearling Steers (food safety and quality)	National Cattlemen Beef Association
5340285	Schountz, William A	Primary PI	X	Investigation of Zoonotic Viruses in Bats in the Caribbean	Saint George's University
5301715	Quinn, Jason Charles	Primary PI	X	Dynamic Capacitive Wireless Power Transfer System for Electric Vehicles	University of Colorado
5301716	Bandhauer, Todd M	Primary PI	X	LOW COST AND EFFICIENT DISTRIBUTED POWER AND CO2 SEQUESTRATION REFORMER-ENGINE SYSTEM	Colorado Energy Research Collaboratory
5367211	Peers, Graham	Primary PI	X	PEERS: Design, Synthesis, and Validation: Genome Scale Optimization of Energy Flux Through Compartmentalized Metabolic Networks in a Model Photosynthetic Eukaryotic Microbe.	J. Craig Venter Institute
5367211	Zhou, Wen	Co-PI	X	PEERS: Design, Synthesis, and Validation: Genome Scale Optimization of Energy Flux Through Compartmentalized Metabolic Networks in a Model Photosynthetic Eukaryotic Microbe.	J. Craig Venter Institute
5352163	Boone, Randall B	Primary PI	X	Community-Based Conservancies in Kenya: Investigating the Prospects for Cooperation and Conflict	Washington University in St. Louis
5373990	Chen, Eugene Y	Primary PI	X	Completely Recyclable Polyesters as High-Performance Bio-materials and Plastics	Colorado Office of Economic Development and Intl Trade
5381271	Chen, Eugene Y	Primary PI	X	COST SHARE FOR 5373990: Completely Recyclable Polyesters as High-Performance Bio-materials and Plastics	CSURF-CSU Venturo
5364991	Farmer, Delphine Kasimira	Primary PI	X	Addressing the community building and data infrastructure needs of the Chemistry of Indoor Environments program through the HOMEChem experiment (House Observations of Microbial	University of Colorado at Boulder - C282
5301847	Quinn, Jason Charles	Primary PI	X	Ash Removal in Benthic Biomass at Colorado State University	Idaho National Laboratory
5301851	De Long, Susan K	Co-PI	X	Proposal for bioelectrochemical perchlorate reduction	Ramboll
5301851	Sale, Thomas C	Co-PI	X	Proposal for bioelectrochemical perchlorate reduction	Ramboll
5352164	Paschke, Mark W	Key Person	X	Measuring Land Use Impacts to Peatland Hydrology, Water Chemistry, and Vegetation. Implications for Peatland Management, Restoration and Conservation.	State of Washington
5340416	Carter, Ellison	Co-PI	X	Southeast Wisconsin Interdisciplinary Study of Children's Health, Ecological Exposures and Social Environment (SWISCHEESE)	EPA-Environmental Protection Agency
5340416	Jathar, Shantanu	Co-PI	X	Southeast Wisconsin Interdisciplinary Study of Children's Health, Ecological Exposures and Social Environment (SWISCHEESE)	EPA-Environmental Protection Agency
5340416	Magzamen, Sheryl L	Primary PI	X	Southeast Wisconsin Interdisciplinary Study of Children's Health, Ecological Exposures and Social Environment (SWISCHEESE)	EPA-Environmental Protection Agency
5340416	Wilson, Thomas Ander	Co-PI	X	Southeast Wisconsin Interdisciplinary Study of Children's Health, Ecological Exposures and Social Environment (SWISCHEESE)	EPA-Environmental Protection Agency
5352165	Kampf, Stephanie K	Primary PI	X	Changes in snowmelt and rainfall runoff in the Salt River Watershed	The Nature Conservancy
5301854	Peers, Graham	Co-PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301854	Quinn, Jason Charles	Co-PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301854	Reardon, Kenneth F	Primary PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301511	Peers, Graham	Primary PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301511	Quinn, Jason Charles	Co-PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301511	Reardon, Kenneth F	Co-PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301512	Peers, Graham	Co-PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301512	Quinn, Jason Charles	Primary PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5301512	Reardon, Kenneth F	Co-PI	X	Revision : Rewiring Algal Carbon Energetics for Renewables	Alliance for Sustainable Energy-NREL
5309622	Cheng, Antony S	Primary PI	X	Co-managing Risk or "Parallel Play"? Examining Connectivity across Wildfire Risk Mitigation and Fire Response in the Intermountain West	Oregon State University
5352166	Wohl, Ellen E	Primary PI	X	Ephemeral Debris Accumulations in Puerto Rican Streams Following Hurricanes	National Geographic Society
5301855	Bradley, Thomas Heenan	Primary PI	X	2018 - Economic Expertise to Support Development of CEMAC Benchmark Project	Alliance for Sustainable Energy-NREL
5301488	Quinn, Jason Charles	Primary PI	X	Sustainable Bioeconomy for Arid Regions	University of Arizona
5309626	Salman, Mo D	Primary PI	X	Application of Principles of Veterinary Epidemiology in Veterinary Public Services in South East Asia	Food and Agriculture Organization of the United Nations
5309631	Black IV, William C	Primary PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika-Cor	Pebble Labs
5309631	Borlee, Bradley Robert	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika-Cor	Pebble Labs
5309631	Brennan, Carol D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika-Cor	Pebble Labs
5309631	Foy, Brian D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika-Cor	Pebble Labs
5309631	Kading, Rebekah	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika-Cor	Pebble Labs
5309631	Olson, Kenneth E	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika-Cor	Pebble Labs
5309632	Black IV, William C	Primary PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309632	Borlee, Bradley Robert	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309632	Brennan, Carol D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309632	Foy, Brian D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309632	Kading, Rebekah	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309632	Olson, Kenneth E	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309633	Black IV, William C	Primary PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika	Pebble Labs
5309633	Borlee, Bradley Robert	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika	Pebble Labs
5309633	Brennan, Carol D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika	Pebble Labs
5309633	Foy, Brian D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika	Pebble Labs
5309633	Kading, Rebekah	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika	Pebble Labs
5309633	Olson, Kenneth E	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika	Pebble Labs
5309634	Black IV, William C	Primary PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - Cc	Pebble Labs
5309634	Borlee, Bradley Robert	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - Cc	Pebble Labs
5309634	Brennan, Carol D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - Cc	Pebble Labs
5309634	Foy, Brian D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - Cc	Pebble Labs
5309634	Kading, Rebekah	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from Aedes aegypti for paratransgenesis to establish refractoriness to infection and transmission of Zika - Cc	Pebble Labs

5309634	Olson,Kenneth E	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - Cc	Pebble Labs
5309636	Black IV,William C	Primary PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309636	Borlee,Bradley Robert	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309636	Brennan,Carol D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309636	Foy,Brian D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309636	Kading,Rebekah	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309636	Olson,Kenneth E	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309637	Black IV,William C	Primary PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309637	Borlee,Bradley Robert	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309637	Brennan,Carol D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309637	Foy,Brian D	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309637	Kading,Rebekah	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5309637	Olson,Kenneth E	Co-PI	X	Isolation, characterization and transformation of natural endosymbiotic bacteria from <i>Aedes aegypti</i> for paratransgenesis to establish refractoriness to infection and transmission of Zika - OI	Pebble Labs
5340424	Dayan,Franck E	Co-PI	X	TO 5 - Determining single or multiple origins of glyphosate-resistant kochia	Western Sugar Cooperative
5340424	Gaines,Todd A	Primary PI	X	TO 5 - Determining single or multiple origins of glyphosate-resistant kochia	Western Sugar Cooperative
5340424	Westra,Philip	Co-PI	X	TO 5 - Determining single or multiple origins of glyphosate-resistant kochia	Western Sugar Cooperative
5340425	Dayan,Franck E	Primary PI	X	TO 6 - Analysis of pesticide residues and their metabolites in sugar beet, relevant weeds and soils	Western Sugar Cooperative
5340425	Gaines,Todd A	Co-PI	X	TO 6 - Analysis of pesticide residues and their metabolites in sugar beet, relevant weeds and soils	Western Sugar Cooperative
5340425	Westra,Philip	Co-PI	X	TO 6 - Analysis of pesticide residues and their metabolites in sugar beet, relevant weeds and soils	Western Sugar Cooperative
5340451	Archibeque,Shawn	Primary PI	X	The Effects of Zeolite as a Bedding Additive for Dairy Calf Hutches	BioGreen Technologies, Inc.
5340451	Engle,Terry E	Co-PI	X	The Effects of Zeolite as a Bedding Additive for Dairy Calf Hutches	BioGreen Technologies, Inc.
5340451	Han,Hyungchul	Co-PI	X	The Effects of Zeolite as a Bedding Additive for Dairy Calf Hutches	BioGreen Technologies, Inc.
5340451	Pinedo,Pablo J	Co-PI	X	The Effects of Zeolite as a Bedding Additive for Dairy Calf Hutches	BioGreen Technologies, Inc.
5340451	Wagner,John Joseph	Co-PI	X	The Effects of Zeolite as a Bedding Additive for Dairy Calf Hutches	BioGreen Technologies, Inc.
5366121	Miyake,Garret Morgan	Primary PI	X	Design Principles of Strongly Reducing Visible-Light Organic Photoredox Catalysts	Research Corporation for Science Advancement
5384411	Simmons,Mark	Primary PI	X	2018 Digital Imagery for Pest Screening, Detection, Identification, and Report Production FY2018	USDA-APHIS-Animal Plant Health Insp Srvc
5301498	Bandhauer,Todd M	Primary PI	X	Residential Power and Cooling System	CSURF-CSU Ventures
5309671	Ebel,Gregory David	Primary PI	X	Analysis of Zika virus emergence and functional evolution in the Americas	The Scripps Research Institute
5309673	Johnson,Brett Michael	Co-PI	X	Triploid Walleye: A New Frontier for Managing Cool Water Predators in the West	Colorado Division of Parks and Wildlife
5309673	Myrick,Christopher A	Primary PI	X	Triploid Walleye: A New Frontier for Managing Cool Water Predators in the West	Colorado Division of Parks and Wildlife
5309679	Ronayne,Michael J	Primary PI	X	2018 Studies Supporting Sustainable Use of the Denver Basin Aquifers in the Vicinity of Castle Rock	Town of Castle Rock, Colorado
5309679	Sale,Thomas C	Co-PI	X	2018 Studies Supporting Sustainable Use of the Denver Basin Aquifers in the Vicinity of Castle Rock	Town of Castle Rock, Colorado
5356084	Conant,Richard T	Primary PI	X	Improved analysis and extrapolation of nitrous oxide emissions from field measurements for improved N2O estimates and comparison to N2O methodologies	USDA-NIFA-National Institute of Food and Agriculture
5309687	Zabel,Mark D	Primary PI	X	Examination of Chronic Wasting Disease Prion Strains from Free-Ranging Cervids	Boone and Crockett Club
5378125	Leach,Jan E	Primary PI	X	Development and implementation of new control strategies for the bacterial leaf streak pathogen <i>Xanthomonas vasculorum</i>	Colorado Corn Administrative Committee
5383171	Bailey,Larissa	Co-PI	X	Boreal toad conservation genomics: testing for disease resistance, characterization of adaptation, and identification of management units	Colorado Division of Parks and Wildlife
5383171	Funk,William Christopher	Primary PI	X	Boreal toad conservation genomics: testing for disease resistance, characterization of adaptation, and identification of management units	Colorado Division of Parks and Wildlife
5359681	Barnes Keys,Elizabeth Adrienne	Primary PI	X	CAREER: Causal Connections Between the Arctic and Mid-latitudes	NSF-National Science Foundation
5359682	Barnes Keys,Elizabeth Adrienne	Primary PI	X	PARTICIPANT SUPPORT: CAREER: Causal Connections Between the Arctic and Mid-latitudes	NSF-National Science Foundation
5356085	Jayanty,Sastry SSGM	Primary PI	X	Extending Shelf Life of Short Dormancy Specialty Cultivars by Tuber Coatings	Colorado Potato Administrative Committee
5301504	Baker,Susan S	Primary PI	X	Multi-Disciplinary Methods for Effective, Sustainable, and Scalable Evaluations of Nutrition Education Programs	Utah State University
5309693	Laituri,Melinda J	Primary PI	X	Notice Review - Water Rights Branch	DOI-NPS-National Park Service
5309694	Redmond,Miranda D	Primary PI	X	RAPID: Collaborative Research: Chasing Tree Die-off - Testing Near-term Ecological Forecasting Throughout Emerging Extreme Drought	NSF-Biological Sciences
5301372	Bartels,Randy A	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301372	Borch,Thomas	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301372	Cotrufo,Maria Francesca	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301372	McKay,John K	Primary PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301372	Pallickara,Sangmi Lee	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301372	Paustian,Keith H	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301372	Wallenstein,Matthew	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	Bartels,Randy A	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	Borch,Thomas	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	Cotrufo,Maria Francesca	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	McKay,John K	Primary PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	Pallickara,Sangmi Lee	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	Paustian,Keith H	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5301373	Wallenstein,Matthew	Co-PI	X	(CSA 5340115)Root Genetics in the Field to Understand Drought Adaptation and Carbon Sequestration	Colorado Higher Education Competitive Research Authority
5309482	Pablonia,Kristy L	Primary PI	X	Avian Health Cooperative Agreement 2018-19	USDA-APHIS-Animal Plant Health Insp Srvc
5301515	Myrick,Christopher A	Primary PI	X	Developing "Freshwater Cod" or Burbot ( <i>Lota lota</i> ) into a Viable Commercial Aquaculture Species in the United States	Western Regional Aquaculture Center
5358014	Fonte,Steven John	Primary PI	X	Examining Cover Crops for Soil Health Restoration in Dryland Cropping Systems in SW Colorado and SE Utah	Utah State University
5363931	Andales,Allan A	Co-PI	X	ICC: Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363931	Chavez,Jose L	Co-PI	X	ICC: Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363931	Waskom,Reagan M	Primary PI	X	ICC: Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363932	Andales,Allan A	Co-PI	X	CSU (ITC): Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363932	Chavez,Jose L	Co-PI	X	CSU (ITC): Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363932	Waskom,Reagan M	Primary PI	X	CSU (ITC): Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363933	Andales,Allan A	Co-PI	X	SUBCONTRACTS: Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363933	Chavez,Jose L	Co-PI	X	SUBCONTRACTS: Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5363933	Waskom,Reagan M	Primary PI	X	SUBCONTRACTS: Irrigation Innovation Consortium	Foundation for Food and Agriculture Research
5373931	Chavez,Jose L	Primary PI	X	FFAR THEME PROJECT: ITC: UAS-BASED VARIABLE RATE IRRIGATION	Foundation for Food and Agriculture Research
5373933	Ham,Jay M	Primary PI	X	FFAR THEME PROJECT: ITC: Underground Wireless Networks for Soil Moisture Sensing and Irrigation Water Management	Foundation for Food and Agriculture Research
5383902	Chavez,Jose L	Primary PI	X	FFAR Theme Project #7: Satellite and UAS Imagery Use to Implement Timely Irrigation Strategies	Foundation for Food and Agriculture Research
5362861	Leisz,Stephen Joseph	Primary PI	X	The Agrarian Transition in Mainland Southeast Asia: Changes in rice farming 1995 to 2018	East-West Center
5309483	Peers,Graham	Co-PI	X	Rewiring Algal Carbon Energetics for Renewables	Colorado Energy Research Collaboratory
5309483	Reardon,Kenneth F	Primary PI	X	Rewiring Algal Carbon Energetics for Renewables	Colorado Energy Research Collaboratory
5390601	Smith,Melinda Dianne	Primary PI	X	Sensitivity of grass species with contrasting growth patterns to late-season water limitation and additions in a semi-arid grassland	City of Boulder Open Space & Mountain Parks
5381003	Dayan,Franck E	Primary PI	X	Protecting the Efficacy of Preemergence of PPO-Inhibiting Herbicides	Cotton, Inc.
5381003	Gaines,Todd A	Co-PI	X	Protecting the Efficacy of Preemergence of PPO-Inhibiting Herbicides	Cotton, Inc.
5344372	Black IV,William C	Co-PI	X	Engineering resistance to Zika virus in <i>Aedes aegypti</i> for Cas9 driven population modification	HHS-NIH-NIAID-Allergy and Infect Diseases

5344372	Olson,Kenneth E	Primary PI	X	Engineering resistance to Zika virus in Aedes aegypti for Cas9 driven population modification	HHS-NIH-NIAID-Allergy and Infect Diseases
5379516	Falkowski,Michael J	Co-PI	X	Crop Insurance and Groundwater Consumption in the Ogallala Aquifer Region	USDA-NIFA-National Institute of Food and Agriculture
5379516	Goemans,Christopher G	Co-PI	X	Crop Insurance and Groundwater Consumption in the Ogallala Aquifer Region	USDA-NIFA-National Institute of Food and Agriculture
5379516	Manning,Dale Thomas	Primary PI	X	Crop Insurance and Groundwater Consumption in the Ogallala Aquifer Region	USDA-NIFA-National Institute of Food and Agriculture
5356091	Engle,Terry E	Primary PI	X	The effects of chronic molybdenum exposure in drinking water on molybdenum metabolism and production performance of gestating and lactating beef cattle consuming a high forage diet.	Climax Molybdenum Company
5356091	Wagner,John Joseph	Co-PI	X	The effects of chronic molybdenum exposure in drinking water on molybdenum metabolism and production performance of gestating and lactating beef cattle consuming a high forage diet.	Climax Molybdenum Company
5363862	Knapp,Alan Keith	Primary PI	X	Foundational research for managing forage production in semi-arid grasslands: preparing for a future with increased climate variability	USDA-NIFA-National Institute of Food and Agriculture
5363862	Smith,Melinda Dianne	Co-PI	X	Foundational research for managing forage production in semi-arid grasslands: preparing for a future with increased climate variability	USDA-NIFA-National Institute of Food and Agriculture
5357322	Kipper,Matthew J	Co-PI	X	Engineering Synthetic Production of Durable Polymers in Plants	DDO-US Department of Defense
5357322	Medford,June I	Primary PI	X	Engineering Synthetic Production of Durable Polymers in Plants	DDO-US Department of Defense
5301524	Rathburn,Sara L	Primary PI	X	Detailed Surficial Mapping of Major Mass Movement Deposits and Adjacent Bedrock along the Park Road Corridor, Denali National Park and Preserve, Alaska	DOI-USGS-Geological Survey
5379519	Paustian,Keith H	Primary PI	X	Center for Bioenergy Innovation	DOE-Oak Ridge National Laboratory
5301526	Berger,Joel	Co-PI	X	A Multidisciplinary Assessment of Cross-Boundary Mitigation	DDO-US Department of Defense
5301526	Goldstein,Liba Pejchar	Primary PI	X	A Multidisciplinary Assessment of Cross-Boundary Mitigation	DDO-US Department of Defense
5379522	Cotrufo,Maria Francesca	Primary PI	X	Drivers and Indicators of Soil Health in Semi-Arid Agroecosystems: Addressing the Soil Carbon Dilemma through the Lens of Microbes and Soil Physical Structure	USDA-NIFA-National Institute of Food and Agriculture
5379522	Schipsanski,Meagan Erin	Co-PI	X	Drivers and Indicators of Soil Health in Semi-Arid Agroecosystems: Addressing the Soil Carbon Dilemma through the Lens of Microbes and Soil Physical Structure	USDA-NIFA-National Institute of Food and Agriculture
5379522	Wallenstein,Matthew	Co-PI	X	Drivers and Indicators of Soil Health in Semi-Arid Agroecosystems: Addressing the Soil Carbon Dilemma through the Lens of Microbes and Soil Physical Structure	USDA-NIFA-National Institute of Food and Agriculture
5301517	Olsen,Daniel B	Primary PI	X	Experimental Evaluation of Stack Testing Methods for Accurate VOC Measurement	Pipeline Research Council International
5379526	Charkowski,Amy Olympia	Primary PI	X	Cooperative Agricultural Pest Survey (CAPS) Program Document Development and Support FY 2018	USDA-APHIS-Animal Plant Health Insp Srvc
5379528	Belk,Keith	Co-PI	X	Construct a phage-mediated system to deliver CRISPR/Cas9 antimicrobials for sequence-specific elimination of foodborne pathogens in beef production	National Cattlemens Beef Association
5379528	Morley,Paul S	Co-PI	X	Construct a phage-mediated system to deliver CRISPR/Cas9 antimicrobials for sequence-specific elimination of foodborne pathogens in beef production	National Cattlemens Beef Association
5379528	Woerner,Dale	Co-PI	X	Construct a phage-mediated system to deliver CRISPR/Cas9 antimicrobials for sequence-specific elimination of foodborne pathogens in beef production	National Cattlemens Beef Association
5379528	Yang,Hua	Primary PI	X	Construct a phage-mediated system to deliver CRISPR/Cas9 antimicrobials for sequence-specific elimination of foodborne pathogens in beef production	National Cattlemens Beef Association
5301528	Wohl,Ellen E	Primary PI	X	NSFGE0-NERC: Wood-Based Carbon Discharge to the Arctic Ocean	NSF-National Science Foundation
5379529	Bjostad,Louis B	Co-PI	X	The impact of nutrition and metabolic capacity on honeybee health	Foundation for Food and Agriculture Research
5379529	Naug,Dhruba	Co-PI	X	The impact of nutrition and metabolic capacity on honeybee health	Foundation for Food and Agriculture Research
5391471	Pena,Anita Alves	Primary PI	X	Graduate Research Wildlife Economics & Human Dimensions	USDA-APHIS-Animal Plant Health Insp Srvc
5379545	Gaines,Todd A	Primary PI	X	Quantifying the economic impact of glyphosate-resistant weeds in Roundup Ready sugarbeet	Western Sugar Cooperative
5301533	Quinn,Jason Charles	Primary PI	X	Development of the Ocean NOMAD (Nautical Off-shore Macroalgal Autonomous Device) for Low-Cost Production of Biomass for Foods, Feeds, and Fuels	DOE-Advanced Research Projects Agency-Energy
5301534	Quinn,Jason Charles	Primary PI	X	Development of the Ocean NOMAD (Nautical Off-shore Macroalgal Autonomous Device) for Low-Cost Production of Biomass for Foods, Feeds, and Fuels	DOE-Advanced Research Projects Agency-Energy
5379536	Borch,Thomas	Primary PI	X	Irrigation with Produced Water: Impact on Crop and Soil Health	Environmental Defense Fund
5301551	Marchese,Anthony	Co-PI	X	Expanding the Knock/Emissions/Misfire Limits for the Realization of Ultra-Low Emissions, High Efficiency Heavy Duty Natural Gas Engines	DOE-US Department of Energy
5301551	Olsen,Daniel B	Primary PI	X	Expanding the Knock/Emissions/Misfire Limits for the Realization of Ultra-Low Emissions, High Efficiency Heavy Duty Natural Gas Engines	DOE-US Department of Energy
5301551	Windom,Bret Colin	Co-PI	X	Expanding the Knock/Emissions/Misfire Limits for the Realization of Ultra-Low Emissions, High Efficiency Heavy Duty Natural Gas Engines	DOE-US Department of Energy
5367802	McGrath,Daniel	Primary PI	X	Constraining Airborne and Satellite Algorithms for Estimating Snow Water Equivalent through Spatially Extensive Ground Penetrating Radar Observations during NASA's SnowEx Campaign	NASA-National Aeronautics and Space Administration
5301557	Bandhauer,Todd M	Primary PI	X	High Efficiency Waste Heat Driven Cooling System	Colorado Office of Economic Development and Intl Trade
5386361	Paton,Robert Scott	Primary PI	X	Mechanistic Studies of Catalytic Upgrading of bio-BDO to 1,3-butadiene	Alliance for Sustainable Energy-NREL
5363817	Parton,William J	Primary PI	X	Center for Advanced Bioenergy and Bioproducts Innovation	University of Illinois
5301561	Olsen,Daniel B	Primary PI	X	Experimental Evaluation of a Fuel Cell UUV Power Unit	Siemens Corporation
5379542	Bellows,Laura L	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Bonanno,Alessandro	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Boone,Randall B	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Carolan,Michael S	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Cleary,Rebecca Leigh Osborne	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Jablonski,Rebecca BR	Primary PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Meiman,Paul	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Pagliassotti,Michael J	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Quinn,Jason Charles	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Ryan,Elizabeth P	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Schipsanski,Meagan Erin	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5379542	Thilmany,Dawn D	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Bellows,Laura L	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Bonanno,Alessandro	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Boone,Randall B	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Carolan,Michael S	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Cleary,Rebecca Leigh Osborne	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Jablonski,Rebecca BR	Primary PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Meiman,Paul	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Pagliassotti,Michael J	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Quinn,Jason Charles	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Ryan,Elizabeth P	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Schipsanski,Meagan Erin	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5391400	Thilmany,Dawn D	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Foundation for Food and Agriculture Research
5301562	Bhaskar,Aditi	Primary PI	X	Collaborative Research: Connecting local stormwater decision-making to environmental outcomes	NSF-National Science Foundation
5301563	Volckens,John	Primary PI	X	Mobile Aerosol Reference Sampler (MARS)	NASA-National Aeronautics and Space Administration
5301566	Suryanarayanan,Siddharth	Primary PI	X	High Performance Computing-based Dynamically Adaptive Protection Schemes for Electric Grid Research between Colorado State University and Idaho National Laboratory	Idaho National Laboratory
5380501	Randall,David A	Primary PI	X	Collaborative research: A teleconnection between the tropical Madden-Julian Oscillation and Arctic Sudden Stratospheric Warming events in warm climates	NSF-National Science Foundation
5301568	Carter,Elison	Primary PI	X	Household Energy Transitions in Urbanizing Settings and the Indoor Built Environment	Oak Ridge Associated Universities
5363819	Wohl,Ellen E	Primary PI	X	Himes Creek Instream Flow Recommendation	Colorado Water Conservation Board
5391234	Countryman,Aminda Marie	Primary PI	X	Impacts of Coupled Changes in Navigation Infrastructure, Global Trade, Climate and Policy on Ship-borne Invasions	Cornell University
5363821	Wohl,Ellen E	Primary PI	X	Longitudinal variability in large wood along the Merced River, Yosemite National Park	DOI-NPS-National Park Service
5394870	Estep,Donald J	Primary PI	X	Cooperative Research in Ecological Statistics	USDA-USFS-Forest Research
5389431	Carter,Elison	Co-PI	X	Isomeric separation of oxidized organic compounds by mass-spectrometry for indoor chemistry studies	Sloan Foundation
5389431	Farmer,Delphine Kasimira	Primary PI	X	Isomeric separation of oxidized organic compounds by mass-spectrometry for indoor chemistry studies	Sloan Foundation
5363823	Kampf,Stephanie K	Primary PI	X	Truckee Watershed Study	The Nature Conservancy
5309719	Hoffman,Chad M	Primary PI	X	Effects of Spruce Beetle (Dendroctonus rufipennis) Outbreaks on Rocky Mountain Spruce-Fir Stand Characteristics.	USDA-USFS-Forest Research
5309723	Bayham,Jude	Co-PI	X	Strategic wildfire management planning	USDA-USFS-Forest Research
5309723	Schultz,Courtney Allison	Co-PI	X	Strategic wildfire management planning	USDA-USFS-Forest Research
5309723	Wei,Yu	Primary PI	X	Strategic wildfire management planning	USDA-USFS-Forest Research

5309724	Meiman,Paul	Primary PI	X	CESU-XX: Rangeland Health Condition Assessments for Livestock Allotments at Dinosaur National Monument	DOI-NPS-National Park Service
5363833	Wohl, Ellen E	Primary PI	X	Collaborative Research: Emergent Hydrological Properties Associated with Multiple Channel-Spanning Logjams	NSF-National Science Foundation
5391242	Andales, Allan A	Co-PI	X	Arid Climate Water Management Strategies	Platte River Water Development Authority
5391242	Mooney, Daniel F	Primary PI	X	Arid Climate Water Management Strategies	Platte River Water Development Authority
5301574	Radford, Donald W	Primary PI	X	Vertical Axis Wind Turbine with Thermoplastic Composite Blades	Colorado Office of Economic Development and Intl Trade
5391247	Rhoades, Ryan Douglas	Primary PI	X	Training Wicked Problem Solvers to Use Systems Approaches to Address Contemporary Food, Energy, and Water Issues	Texas A & M University Kingsville
5363836	Crofto, Maria Francesca	Primary PI	X	Adaptive Multi-Paddock (AMP) Grazing Research Proposal	Arizona State University
5363837	Berger, Joel	Primary PI	X	Developing Predictive Capacity to Support Adaptive Management Strategies for Mountain Goats	DOI-NPS-National Park Service
5396361	Wilson, Thomas Ander	Primary PI	X	Methods for data integration and risk assessment for environmental mixtures	Mount Sinai School of Medicine
5364211	Pallickara, Sangmi Lee	Co-PI	X	STTR PHASE I: Development and Validation of Low-Cost Natural Gas Leak Detection Sensors and Analytics for Drone-Based and Handheld Deployments	Nikira Labs, Inc.
5364211	von Fischer, Joseph Charles	Primary PI	X	STTR PHASE I: Development and Validation of Low-Cost Natural Gas Leak Detection Sensors and Analytics for Drone-Based and Handheld Deployments	Nikira Labs, Inc.
5340465	Bowen, Richard A	Primary PI	X	External Review of the APHIS Feral Swine Program - Research to support feral swine pathogen surveillance efforts	USDA-APHIS-Animal Plant Health Insp Svc
5391272	Norton, Andrew P	Primary PI	X	Successional Trajectories of the Riparian Forest Along the South Platte River	Colorado Water Conservation Board
5301577	Reardon, Kenneth F	Primary PI	X	Electrons for Dinner: Seed Project	Alliance for Sustainable Energy-NREL
5366821	Fischer, Emily V	Primary PI	X	Locating NH3 sources and estimating emissions from SNPP CrIS measurements	Atmospheric and Environmental Research, Inc.
5397701	Fischer, Emily V	Primary PI	X	New constraints on the impacts of fires on air quality and the nitrogen cycle from CrIS observations of peroxyacetyl nitrate (PAN)	California Institute of Technology/Jet Propulsion Lab
5363844	Bailey, Larissa	Primary PI	X	NPS - MOD: Understanding the Factors that Influence Boreal Toad Survival and Response to Population Invasion by the Amphibian Chytrid Fungus (mod for 53-50058 )	DOI-NPS-National Park Service
5363845	Myrick, Christopher A	Primary PI	X	Native fish passage in Front Range transition zone streams.	Colorado Division of Parks and Wildlife
5393831	Ravishankara, Akkhebbal Ramaiah	Primary PI	X	Vertical Structure of Aerosol abundance and composition from Multi-satellite Observations	NASA-National Aeronautics and Space Administration
5301283	Bandhauer, Todd M	Primary PI	X	Turbo-Compression Cooling For Ultra Low Temperature Waste Heat Recovery	DOE-US Department of Energy
5344502	Sampath, Walajabad S	Primary PI	X	Participant Support: IUCRC Phase II at Colorado State University: Center for Next Generation Photovoltaics	NSF-National Science Foundation
5302439	Sampath, Walajabad S	Primary PI	X	IUCRC Phase II: Next Generation Photovoltaics: Carey Reich Internship at NREL	NSF-National Science Foundation
5301287	Bandhauer, Todd M	Primary PI	X	CSA(5302384) Cost Share: High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado Energy Research Collaboratory
5301287	Olsen, Daniel B	Co-PI	X	CSA(5302384) Cost Share: High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado Energy Research Collaboratory
5301287	Windom, Bret Colin	Co-PI	X	CSA(5302384) Cost Share: High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado Energy Research Collaboratory
5301289	Bailey, Ryan T	Primary PI	X	Investigating Major Influences on Groundwater Levels in the LaSalle/Gilcrest Area	Colorado Water Conservation Board
5301291	Chavez, Jose L	Primary PI	X	Assessing Temporal and Spatial Crop Water Consumptive Use with Unmanned Aerial Systems	Colorado Water Conservation Board
5302388	Chavez, Jose L	Primary PI	X	CSA(5363932-5301291) Assessing Temporal and Spatial Crop Water Consumptive Use with Unmanned Aerial Systems	Colorado Water Conservation Board
5301293	Carter, Ellison	Primary PI	X	Investigating Novel Biological Signatures for Air Pollution Exposure using Dried Blood Spot Based Mass Spectrometric Techniques	Burroughs-Wellcome Fund Foundation
5301294	Cutler, Harvey	Co-PI	X	Estimating the Economic Value of Improved Weather Forecasts Resulting from NOAA - GSD Research and Technology Transfer	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301294	Shields, Martin	Co-PI	X	Estimating the Economic Value of Improved Weather Forecasts Resulting from NOAA - GSD Research and Technology Transfer	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5301296	Morrison, Ryan Richard	Primary PI	X	Update CWCB Instream Flow R2Cross Program	Colorado Water Conservation Board
5301298	Sharvelle, Sybil E	Primary PI	X	Multi-Omics Analysis of Advanced Anaerobic Digestion Processes for Production of High-Value Biofuels	Colorado Energy Research Collaboratory
5363847	Laituri, Melinda J	Primary PI	X	Make Federal Water Data Available to States and the Public	DOI-NPS-National Park Service
5392041	Funk, William Christopher	Co-PI	X	Collaborative Research: Testing Mechanisms of Microgeographic Adaptation	NSF-National Science Foundation
5392041	Ghalambor, Cameron K	Primary PI	X	Collaborative Research: Testing Mechanisms of Microgeographic Adaptation	NSF-National Science Foundation
5363723	Goldstein, Liba Pejchar	Primary PI	X	Nature in the City Biodiversity Project	City of Fort Collins
5362761	Webb, Colleen T	Primary PI	X	Linking Network Models of Swine Movement Patterns with Potential Disease Outbreak Processes Across the United States to Inform Livestock Risk Assessments	USDA-NIFA-National Institute of Food and Agriculture
5392610	Funk, William Christopher	Primary PI	X	Rot: FELS: EAGER: Landscape Phenomics: Predicting vulnerability to climate change by linking environmental heterogeneity to genetic and phenotypic variation	NSF-National Science Foundation
5392610	Ghalambor, Cameron K	Co-PI	X	Rot: FELS: EAGER: Landscape Phenomics: Predicting vulnerability to climate change by linking environmental heterogeneity to genetic and phenotypic variation	NSF-National Science Foundation
5363725	Sanford, William E	Primary PI	X	Evaluate NPS geohydrology and sustainable groundwater management, including a focus on the Cottonwood / Smoke Tree sub-basin in Joshua Tree National Park	DOI-NPS-National Park Service
5379091	Estep, Donald J	Primary PI	X	Collaborative Research: Construction and analysis of numerical methods for stochastic inverse problems with application to coastal hydrodynamics	NSF-National Science Foundation
5309735	Arabi, Mazdak	Primary PI	X	Town + Gown: Task Order for Citywide Stormwater Resiliency Study	City University of New York
5363727	Hannah, Judith L	Primary PI	X	Intervening and Monitoring Natural Resources Status and Trends in the National Park System-Geologic Resources Inventory	DOI-NPS-National Park Service
5391281	Bellows, Laura L	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Bonanno, Alessandro	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Boone, Randall B	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Carolan, Michael S	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Cleary, Rebecca Leigh Osborne	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Jablonski, Rebecca BR	Primary PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Meiman, Paul	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Pagliassotti, Michael J	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Quinn, Jason Charles	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Ryan, Elizabeth P	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Schipanski, Meagan Erin	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391281	Thilmany, Dawn D	Co-PI	X	Integrating Community and Modeling Efforts to Evaluate the Impacts and Tradeoffs of Food System Interventions	Colorado Potato Administrative Committee
5391285	Vivanco, Jorge M	Primary PI	X	Testing Bacillus species for Nematode Control, Area II	Colorado Potato Administrative Committee
5391300	Holm, David G	Primary PI	X	Potato Breeding and Selection, Area II	Colorado Potato Administrative Committee
5396231	Poff, N LeRoy	Primary PI	X	Evaluation of cottonwood and willow restoration on Bill Williams River, and planning riparian restoration in the Colorado River delta and Bandelier National Monument	DOI-USGS-Geological Survey
5363733	Goldstein, Liba Pejchar	Primary PI	X	CESU-RM: Temporal changes in invader abundance in relation to land use and land cover	DOI-USGS-Geological Survey
5363734	Goldstein, Liba Pejchar	Primary PI	X	Spatial patterns of invasive songbird abundance across the conterminous United States	DOI-USGS-Geological Survey
5396461	Neilson, James Richmond	Primary PI	X	Investigation on phonon anharmonicity and its effect on phonon-electron interactions in halide perovskites	University of Colorado at Boulder - C2B2
5340489	Mathiason, Candace K	Primary PI	X	Mechanisms of prion spread and establishment of infection	Creighton University
5301337	Maloney, Eric D	Primary PI	X	An Open Framework for Process-Oriented Diagnostics	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5363735	Klein, Julia Anne	Primary PI	X	Doctoral Dissertation Research: Collaborative social-ecological models for conservation in the Ethiopian highlands	NSF-SBE-Social, Behav and Econ Sciences
5363736	Klein, Julia Anne	Primary PI	X	Participant Support- Doctoral Dissertation Research: Collaborative social-ecological models for conservation in the Ethiopian highlands	NSF-SBE-Social, Behav and Econ Sciences
5301338	Ippolito, Jim	Co-PI	X	Stormwater Research Services for the City of Fort Collins	City of Fort Collins
5363737	Bailey, Larissa	Primary PI	X	Monitoring design and trade-offs for Boreal Toad Conservation	Colorado Division of Parks and Wildlife
5391302	Norton, Andrew P	Primary PI	X	Assessment of impact of biological control insects for the control of yellow and Dalmatian toadflaxes (Linaria spp.)	Colorado Department of Agriculture
5309749	Redmond, Miranda D	Primary PI	X	CESU-RM: Vegetation change across Bryce Canyon National Park: Interacting effects of disturbances and drought on vegetation dynamics over the past 50+ years	DOI-USGS-Geological Survey
5363801	Cheng, Antony S	Primary PI	X	Incorporating early career natural resource professionals into the Rocky Mountain Research Station silviculture program	USDA-USFS-Forest Research
5363802	Davis, Thomas Seth	Primary PI	X	Quantifying the effects of silviculture treatments on forest resilience to spruce beetle epidemics in Colorado	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5399702	Smith, Melinda Dianne	Key Person	X	ON CAMPUS IDC: Predicting the effects of extreme drought on insect herbivore control of grassland ecosystem function	NSF-National Science Foundation
5399703	Smith, Melinda Dianne	Key Person	X	OFF CAMPUS IDC: Predicting the effects of extreme drought on insect herbivore control of grassland ecosystem function	NSF-National Science Foundation
5399704	Smith, Melinda Dianne	Key Person	X	PARTICIPANT SUPPORT: Predicting the effects of extreme drought on insect herbivore control of grassland ecosystem function	NSF-National Science Foundation
5302591	Pilon-Smits, Elizabeth AH	Primary PI	X	CONSORTIA MEMBERSHIP: Hemp phytoremediation and biofortification - Can hemp clean up the earth while producing valuable products?	Various "For Profit" Sponsors
5395271	Payne, Sarah R	Primary PI	X	Mission 66 Era Resources of Yellowstone, Phase 4	DOI-NPS-National Park Service
5301345	Jathar, Shantanu	Primary PI	X	Linking volatile organic compound chemistry to secondary organic aerosol formation from use of next-generation biofuels and volatile chemical products	Colorado Energy Research Collaboratory
5363806	Covino, Timothy P	Primary PI	X	Quantifying Hydro-Biogeochemical Controls on Watershed Dissolved Organic Matter Flux and Processing	DOE-US Department of Energy

5363806	Hall,Ed K	Co-PI	X	Quantifying Hydro-Biogeochemical Controls on Watershed Dissolved Organic Matter Flux and Processing	DOE-US Department of Energy
5340495	Magzamen,Sheryl L	Primary PI	X	Modeling HPAI Risk at the Wild Bird-Dome	USDA-APHIS-National Wildlife Research Center
5363808	Rathburn,Sara L	Primary PI	X	Cottonwood Forest Establishment along the Green and Yampa Rivers	DOI-NPS-National Park Service
5344244	Spraker,Terry R	Primary PI	X	Technical Assistance to the National Park Service Wildlife Health Team	DOI-NPS-National Park Service
5363871	Laituri,Melinda J	Primary PI	X	Cooperative Research and GIS Support for Visitor Use Management, Long Range Transportation Planning and Incident Management Training	DOI-NPS-National Park Service
5340496	Abdo,Zaid	Primary PI	X	Develop Molding Tools for Raccoon Rabies Management and Elimination	USDA-APHIS-National Wildlife Research Center
5363872	Kampf,Stephanie K	Primary PI	X	Watershed Assessment Framework for National Park Service Wild And Scenic Rivers	DOI-NPS-National Park Service
5363875	Bhaskar,Aditi	Co-PI	X	Streamflow estimation in Colorado ungauged basins	Colorado Water Conservation Board
5363875	Kampf,Stephanie K	Primary PI	X	Streamflow estimation in Colorado ungauged basins	Colorado Water Conservation Board
5391298	Stewart,Jane E	Primary PI	X	Development of Tools for Early Detection, Monitoring, and Management of Forest Pathogens and Microbes Associated with Diverse Forest Ecosystems	USDA-USFS-Pacific NW Exp Statn
5301392	Jathar,Shantanu	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301392	Long,Marilee	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301392	Pierce,Jeffrey Robert	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301392	Volckens,John	Primary PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301393	Jathar,Shantanu	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301393	Long,Marilee	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301393	Pierce,Jeffrey Robert	Primary PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301393	Volckens,John	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301394	Jathar,Shantanu	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301394	Long,Marilee	Primary PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301394	Pierce,Jeffrey Robert	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5301394	Volckens,John	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5302369	Jathar,Shantanu	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5302369	Long,Marilee	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5302369	Pierce,Jeffrey Robert	Co-PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5302369	Volckens,John	Primary PI	X	Citizen-Enabled Aerosol Measurements for Satellites (CEAMS): A network for high-resolution measurements of PM2.5 and aerosol optical depth	NASA-National Aeronautics and Space Administration
5395991	Poff,N LeRoy	Primary PI	X	Analyzing effects of biological control of invasive tamarisk on the Virgin and Colorado rivers	DOI-USGS-Geological Survey
5395871	Poff,N LeRoy	Primary PI	X	Predicting Siberian elm invasion in comparison to tamarisk and Russian olive invasions in western USA riparian ecosystems using habitat suitability modeling	DOI-USGS-Geological Survey
5369651	Borrayo,Evelinn	Primary PI	X	At Its Root: Improving HPV Vaccination Disparities among Underserved Women	University of Colorado at Denver
5340497	Ebel,Gregory David	Primary PI	X	Emergence of tick-borne encephalitis in North America	Tufts University
5302348	Quinn,Jason Charles	Primary PI	X	High-Throughput Directed Evolution of Marine Microalgae and Phototrophic Consortia for Improved Biomass Yields	Colorado School of Mines
5302351	Maloney,Eric D	Primary PI	X	Understanding the role of the diurnal cycle and the mean state on the propagation of the intraseasonal variability over the Maritime Continent	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5363877	Myrick,Christopher A	Primary PI	X	Evaluating thermal tolerance in Colorado's native Cutthroat Trout	Colorado Division of Parks and Wildlife
5363878	Wohl,Ellen E	Primary PI	X	Review of Published Studies of Floodplain Storage Capacity and Changes Associated with Flooding	Colorado Water Conservation Board
5363713	Paustian,Keith H	Primary PI	X	Predicting Crop Production and the Greenhouse Gas Balance of Brassica Carinata at Experimental Sites in North Dakota and Georgia using the DayCent Model	Farm, Table, & Sky
5391261	Goemans,Christopher G	Primary PI	X	Evaluating Alternative Water Institution Performance in Snow-Dominated Basins: Are Food Production Systems at Risk from Changing Snow Water Availability?	University of Nevada
5391261	Manning,Dale Thomas	Co-PI	X	Evaluating Alternative Water Institution Performance in Snow-Dominated Basins: Are Food Production Systems at Risk from Changing Snow Water Availability?	University of Nevada
5363879	Laituri,Melinda J	Primary PI	X	Hurricane Sandy Project Support - Mapping and Research	DOI-NPS-National Park Service
5363712	Boone,Randall B	Co-PI	X	CESU-RM: Ecology of Wild Horses and Burros in the Rocky Mountain Region and Western USA FY19	DOI-USGS-Geological Survey
5391288	Hufbauer,Ruth A	Primary PI	X	Direct and indirect effects of an invader on shrubs and birds	DOI-USGS-Geological Survey
5363884	Berger,Joel	Co-PI	X	Collaborative Research: Framework: Software: Harnessing the Data Revolution: Enabling Scientific Discovery through Citizen Science across the Disciplines	NSF-National Science Foundation
5392734	Wallenstein,Matthew	Co-PI	X	Microbial Biodiversity and Functionality in Deep Shale and its Interfaces	University of New Hampshire
5392734	Wilkins,Michael James	Primary PI	X	Microbial Biodiversity and Functionality in Deep Shale and its Interfaces	University of New Hampshire
5302353	Barnes Keys,Elizabeth Adrienne	Primary PI	X	Skillfully Predicting Atmospheric Rivers and Their Impacts in Weeks 2-5 Based on the State of the MJO and QBO	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5302353	Maloney,Eric D	Co-PI	X	Skillfully Predicting Atmospheric Rivers and Their Impacts in Weeks 2-5 Based on the State of the MJO and QBO	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5344501	Arabi,Mazdak	Primary PI	X	Hydrological modeling to assess vulnerability of water supply in the contiguous US	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5344501	Ramirez,Jorge A	Co-PI	X	Hydrological modeling to assess vulnerability of water supply in the contiguous US	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5379191	Pierce,Jeffrey Robert	Primary PI	X	Vertical distribution of boundary layer new particle formation and implications on nanoparticle growth mechanisms	University of California, Irvine
5363718	Lefsky,Michael A	Primary PI	X	Mapping 80 years of Historic Forest Cover	USDA-USFS-Intl Inst Tropical Forestry
5301877	Venkatachalam,Chandrasekaran	Primary PI	X	STORM SAR Feasibility Study	BAE Systems, Inc.
5301878	Arabi,Mazdak	Co-PI	X	Advanced Collaboration Techniques in Complex Urban Modeling	DOD-ARMY-Corps of Engineers
5340505	Wittmeyer,George	Primary PI	X	Statistical Models in Movement and Disease	USDA-APHIS-National Wildlife Research Center
5340506	Rathburn,Sara L	Primary PI	X	Channel Change and Floodplain Forest Establishment in the Colorado River Basin	DOI-USGS-Geological Survey
5392744	Stewart,Jane E	Primary PI	X	A comparative study looking at isolates of the plant pathogenic bacterium Lonsdalea quercina present in Colorado and California, USA	DOI-USGS-Geological Survey
5392749	Paustian,Keith H	Primary PI	X	Development of a Full-Feature Website for Grass-Cast	USDA-NRCS-Natural Resources Consvtn Srv
5340507	Breidt,F Jay	Co-PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340507	Ogle,Stephen M	Primary PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340507	Parton,William J	Co-PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340507	Paustian,Keith H	Co-PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340508	Breidt,F Jay	Co-PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340508	Ogle,Stephen M	Primary PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340508	Parton,William J	Co-PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5340508	Paustian,Keith H	Co-PI	X	Emission/Removal Estimates for the U.S. GHG Inventory's AFOLU Sector, and Economic Analyses and Projections	USDA-USFS-Northern Research Station
5302379	De Long,Susan K	Primary PI	X	Food Waste to Bioplastics Precursors via Genetic Engineering of Waste Conversion Microbiomes	Colorado Energy Research Collaboratory
5302381	Schumacher,Russ Stanley	Primary PI	X	Multi-disciplinary investigation of concurrent tornado and flash flood threats in landfalling tropical cyclones	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5392754	Wilkins,Michael James	Primary PI	X	Leveraging microbial metabolisms to influence production chemistry and well longevity during energy extraction	DOW Microbial Control
5392754	Wrighton,Kelly Catherine	Co-PI	X	Leveraging microbial metabolisms to influence production chemistry and well longevity during energy extraction	DOW Microbial Control
5302383	Quinn,Jason Charles	Primary PI	X	Feasibility Study: Agricultural Production on Southern Ute Indian Reservation Utilizing Greenhouse Growth System	Southern Ute Indian Tribe
5302384	Bandhauer,Todd M	Primary PI	X	High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado School of Mines
5302384	Olsen,Daniel B	Co-PI	X	High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado School of Mines
5302384	Windom,Bret Colin	Co-PI	X	High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado School of Mines
5302362	Bandhauer,Todd M	Primary PI	X	High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado School of Mines
5302362	Olsen,Daniel B	Co-PI	X	High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado School of Mines
5302362	Windom,Bret Colin	Co-PI	X	High Efficiency, Low Cost & Robust Hybrid SOFC/IC Engine Power Generator	Colorado School of Mines
5340512	Breidt,F Jay	Co-PI	X	Agricultural Management Conservation Data and Improving Entity Scale Inventory Methods	USDA-US Department of Agriculture
5340512	Ogle,Stephen M	Primary PI	X	Agricultural Management Conservation Data and Improving Entity Scale Inventory Methods	USDA-US Department of Agriculture
5340512	Paustian,Keith H	Co-PI	X	Agricultural Management Conservation Data and Improving Entity Scale Inventory Methods	USDA-US Department of Agriculture
5363855	Telling,Glenn C	Primary PI	X	Characterizing the strain and host range properties of prions causing emergent forms of chronic wasting disease	HHS-NIH-National Institutes of Health
5392759	Yuma,Paula J	Primary PI	X	Quasi-experimental Evaluation of the Resilience and Coping for the Healthcare Community (RHC) Workshop, post-Hurricane Harvey	Americares

5363857	Anderson, Georgiana Brooke	Co-PI	X	After the flood: Investigating the health consequences of mold growth in homes damaged during Hurricane Harvey	HHS-NIH-Natl Inst of Environ Health Serv
5363857	Schaeffer, Joshua William	Primary PI	X	After the flood: Investigating the health consequences of mold growth in homes damaged during Hurricane Harvey	HHS-NIH-Natl Inst of Environ Health Serv
5344504	Schumacher, Russ Stanley	Primary PI	X	Intelligent post-processing of convection-allowing model output to inform Weather Prediction Center outlooks and forecasts	DOC-NOAA-Natl Oceanic and Atmospheric Admn
5392766	Nissen, Scott I	Primary PI	X	Controlling Downy Brome ( <i>Bromus tectorum</i> ) in a Ponderosa Pine/Grassland Community: The Impacts of Herbicides and Prescribed Fire	Jefferson County, Colorado
5344506	Conant, Richard T	Co-PI	X	NRT-INFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344506	Malin, Stephanie	Co-PI	X	NRT-INFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344506	Reardon, Kenneth F	Co-PI	X	NRT-INFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344506	Schipanski, Meagan Erin	Co-PI	X	NRT-INFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344506	Sharvelle, Sybil E	Primary PI	X	NRT-INFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344507	Conant, Richard T	Co-PI	X	Participant Support: NRTINFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344507	Malin, Stephanie	Co-PI	X	Participant Support: NRTINFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344507	Reardon, Kenneth F	Co-PI	X	Participant Support: NRTINFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344507	Schipanski, Meagan Erin	Co-PI	X	Participant Support: NRTINFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5344507	Sharvelle, Sybil E	Primary PI	X	Participant Support: NRTINFEWS: Interdisciplinary Training, Education and Research for Food-Energy-Water Systems (INTEFEREWS) in Semi-Arid Regions	NSF-National Science Foundation
5363865	Bowen, Richard A	Primary PI	X	Training Domestic Dogs for surveillance of Avian Influenza	USDA-APHIS-National Wildlife Research Center
5392770	Charkowski, Amy Olympia	Primary PI	X	ID Aids for PPO Pest Topics of Concern, FY18	USDA-APHIS-Animal Plant Health Insp Svc
5340671	Webb, Colleen T	Primary PI	X	Mapping and modeling the spread of wild bird AI risks posed to poultry at the national scale	USDA-ARS-Agricultural Research Service
5303021	Weiler, Stephan A	Primary PI	X	Estimating the Costs of Wildlife Strikes and the Benefits of WS Strike Management	USDA-APHIS-Animal Plant Health Insp Svc
5300650	Simmons, Mark	Primary PI	X	Toxic plant dissemination identification resources	USDA-APHIS-Animal Plant Health Insp Svc
5340515	Bright, Alan D	Primary PI	X	Human dimensions research related to feral swine hunting	USDA-APHIS-Animal Plant Health Insp Svc
5375656	Haley, Scott D	Primary PI	X	Wheat Breeding	Colorado Wheat Administrative Committee
5375657	Haley, Scott D	Primary PI	X	Wheat Breeding Salary	Colorado Wheat Administrative Committee
5375658	Pearce, Stephen P	Primary PI	X	Wheat Breeding - CRISPR Cas9 and TILLING	Colorado Wheat Administrative Committee
5375659	Peairs, Frank B	Primary PI	X	Wheat Entomology	Colorado Wheat Administrative Committee
5375664	Johnson, Jerry J	Primary PI	X	Crop Testing Program - Jerry Johnson	Colorado Wheat Administrative Committee
5375666	Dayan, Franck E	Primary PI	X	Novel Herbicide Resistance Wheat Project	Colorado Wheat Administrative Committee
5340519	Aster, Richard C	Primary PI	X	Collaborative Research: Investigating Ice Sheet - Solid Earth Feedbacks in West Antarctica: Implications for Ice Sheet Evolution and Stability	NSF-National Science Foundation
5377881	Schumacher, Russ Stanley	Primary PI	X	Enhancing the Capacity for Rural Libraries to Engage the Public in Drought Sciences, Monitoring, and Adaptation	Oklahoma State University
5392774	Wrighton, Kelly Catherine	Primary PI	X	Genomes to ecosystem function: Targeting critical knowledge gaps in soil methanogenesis and translation to updated global biogeochemical models	DOE-US Department of Energy
5385011	Fischer, Emily V	Co-PI	X	Radiative Effects of Biomass Burning Aerosols-Laboratory and Field Measurements and Modeling of Climate and Health Impacts	North Carolina Agricultural & Technical State University
5385011	Pierce, Jeffrey Robert	Primary PI	X	Radiative Effects of Biomass Burning Aerosols-Laboratory and Field Measurements and Modeling of Climate and Health Impacts	North Carolina Agricultural & Technical State University
5340518	Parton, William J	Primary PI	X	National Drought Mitigation Center, University of Nebraska Lincoln Drought Information Services and Research for Agriculture across the United States (5-352157)	University of Nebraska
5302326	Ettema, Robert	Primary PI	X	Proposal for a Hydraulic-Model Study of the Stepped Spillway for Gross Dam, Colorado	AECOM
5302326	Thornton, Christopher I	Co-PI	X	Proposal for a Hydraulic-Model Study of the Stepped Spillway for Gross Dam, Colorado	AECOM
5391292	Holm, David G	Primary PI	X	Potato Cultivar Development for Northern Colorado - Area III FY18	Colorado Potato Administrative Committee
5391294	Essah, Samuel YC	Primary PI	X	Potato Yield and Quality Response to Reduced Irrigation Water for Early and Medium Maturity Cultivars - Area III FY18	Colorado Potato Administrative Committee
5392797	Bellows, Laura L	Primary PI	X	Building Blocks for Healthy Preschoolers: Child Care and Family Models (community-based interventions on public health)	University of Maryland
5392796	Ippolito, Jim	Primary PI	X	Biosolids Land Application Research Program	City of Littleton
5340522	Koons, David N	Primary PI	X	Effects of predator strategies on the reproductive ecology of snowy plovers	Brigham Young University
5382541	Randall, David A	Primary PI	X	Improving Cloud Processes in the NCEP Global Models	University of Utah
5388981	Rutledge, Steven A	Primary PI	X	SPURS-2 Synthesis: Small-scale Variability of Freshwater Input and Upper Ocean Salinity	University of Washington
5302327	Olsen, Daniel B	Primary PI	X	Installation and Commissioning of a Caterpillar CG137-8 Natural Gas Engine	Caterpillar, Inc.
5363898	Telling, Glenn C	Primary PI	X	Mechanisms of prion strain dynamics	Creighton University
5389411	Schumacher, Russ Stanley	Primary PI	X	CYBERINFRASTRUCTURE FOR SUSTAINED SCIENTIFIC INNOVATION - SOFTWARE ELEMENTS: CLOUD WRF FOR THE ATMOSPHERIC RESEARCH AND EDUCATION COMMUNITIES	UCAR-NCAR-National Center for Atmospheric Research
5302328	Kummerow, Christian D	Primary PI	X	On the implementation and application of Cloud Analysis and Nowcasting (CAN) system to support the International Collaborative Experiments for Pyeongchang 2018 winter Olympic and Paralympic Games	Korea Meteorological Administration
5302329	Cale, James	Primary PI	X	Experimentation for Energy Access Sector Projects at CSU Powerhouse: Phase II	Factor(e) Ventures
5391265	Paustian, Keith H	Primary PI	X	Develop & Validate a Soil Health Module for the COMET-Farm Decision Support Tool to Improve Drought Resilience on US Cropland	Soil Health Institute
5391257	Wrighton, Kelly Catherine	Primary PI	X	Next generation informatics to elucidate viral ecology and ecosystem impacts in nature	The Ohio State University
5392784	Wrighton, Kelly Catherine	Primary PI	X	Microbial ecology of the inflamed intestine	The Ohio State University
5392803	Wrighton, Kelly Catherine	Primary PI	X	Novel Microbial Routes to Synthesize Industrially Significant Precursor Compounds	The Ohio State University
5363929	Tjalkens, Ronald B	Primary PI	X	Pesticide-Mediated Generation of a Toxic Neurotransmitter Metabolite	University of Iowa
5302335	Bareither, Christopher Alan	Co-PI	X	Assessment of High-Moisture Waste on the Hydro-Mechanical Behavior of Municipal Solid Waste and Impacts of Landfill Management	Environmental Research and Education Foundation
5302335	Scalia IV, Joseph	Primary PI	X	Assessment of High-Moisture Waste on the Hydro-Mechanical Behavior of Municipal Solid Waste and Impacts of Landfill Management	Environmental Research and Education Foundation
5310301	Knapp, Alan Keith	Primary PI	X	Improving and Parameterizing the DOE Energy Exascale Earth System Model	DOE-Oak Ridge National Laboratory
5392808	Klett, James E	Primary PI	X	IR-4 Minor Crop Pest Management (2018)	University of California, Davis
5392807	Jahn, Courtney Elaine	Primary PI	X	Enhancing Soil Health in U.S. Potato Production Systems	University of Minnesota
5392807	Stewart, Jane E	Co-PI	X	Enhancing Soil Health in U.S. Potato Production Systems	University of Minnesota
5383241	Henry, Charles S	Primary PI	X	Paper Sensor for Food-borne Pathogen Detection	DOD-NAVY-ONR-Office of Naval Research
5302338	Mahmoud, Hussam N	Primary PI	X	Planning Grant: Engineering Research Center for Naturally Inspired Resilient, Sustainable and Adaptable Infrastructure	South Dakota School of Mines and Technology
5302339	Cale, James	Primary PI	X	Hybrid Microgrid System Evaluation	Moser Energy Systems
5391335	Uchanski, Mark E	Primary PI	X	Sustainable and Sensible Weed Management Tools: Engaging Colorado Specialty Crop Producers through Discovery Learning Opportunities	Colorado Department of Agriculture
5392799	Jahn, Courtney Elaine	Primary PI	X	Managing potato soil health through crop rotation length and diversity for increased economic gain in Colorado.	Colorado Potato Administrative Committee
5392799	Stewart, Jane E	Co-PI	X	Managing potato soil health through crop rotation length and diversity for increased economic gain in Colorado.	Colorado Potato Administrative Committee
5302354	Ettema, Robert	Primary PI	X	Proposal for a Hydraulic-Model Study of the Stepped Spillway for Gross Dam, Colorado	AECOM
5302354	Thornton, Christopher I	Co-PI	X	Proposal for a Hydraulic-Model Study of the Stepped Spillway for Gross Dam, Colorado	AECOM
5391269	Uchanski, Mark E	Primary PI	X	Northern Organic Vegetable Improvement Collaborative (NOVIC) III	Oregon State University
5340544	Aubry, Lise M	Primary PI	X	The Interplay Between Host Diet, Immunity Reproduction and the microbiome across an anthropogenic-disturbed landscape	Utah State University
5340545	Betsill, Michele L	Co-PI	X	Philanthropic Legacies: Understanding the Role of Foundations in Marine Conservation Governance	Packard Foundation (David and Lucile)
5340545	Gruby, Rebecca L	Primary PI	X	Philanthropic Legacies: Understanding the Role of Foundations in Marine Conservation Governance	Packard Foundation (David and Lucile)
5391287	Nalam, Vamsi	Primary PI	X	Investigations into the Ecology and Epidemiology of Barley Pathogens in the Central Plains	American Malting Barley Association, Inc.
5392690	Boone, Randall B	Co-PI	X	Research Proposal Type A - Cross-scale Impacts of SDG15-Achievement: Household decisions, ecosystem change, and atmospheric water recycling	NASA-National Aeronautics and Space Administration
5392690	Galvin, Kathleen	Co-PI	X	Research Proposal Type A - Cross-scale Impacts of SDG15-Achievement: Household decisions, ecosystem change, and atmospheric water recycling	NASA-National Aeronautics and Space Administration
5302361	Sampath, Walajabad S	Primary PI	X	Doping CdTe and CdSeTe for higher efficiency	DOE-US Department of Energy
5302361	Sites, James Russell	Co-PI	X	Doping CdTe and CdSeTe for higher efficiency	DOE-US Department of Energy
5392788	Ham, Jay M	Primary PI	X	Underground Wireless Sensor Networks for Measuring Soil Moisture and Managing Irrigation	CSURF-CSU Ventures
5392787	Ham, Jay M	Primary PI	X	CSUV Match Portion - Underground Wireless Sensor Networks for Measuring Soil Moisture and Managing Irrigation	CSURF-CSU Ventures
5302367	Carlson, Kenneth H	Co-PI	X	On-site and Cost-Effective Wastewater Treatment Package for Shale Oil and Gas Production	CSURF-CSU Ventures
5302367	Tong, Tiezheng	Primary PI	X	On-site and Cost-Effective Wastewater Treatment Package for Shale Oil and Gas Production	CSURF-CSU Ventures
5302368	Carlson, Kenneth H	Co-PI	X	On-site and Cost-Effective Wastewater Treatment Package for Shale Oil and Gas Production	Colorado Office of Economic Development and Intl Trade

5302368	Tong,Tiezheng	Primary PI	X	On-site and Cost-Effective Wastewater Treatment Package for Shale Oil and Gas Production	Colorado Office of Economic Development and Intl Trade
5391296	Stewart,Jane E	Primary PI	X	Determining Dispersal Pathways of Cytospora for the Development of Management Strategies for Cytospora Canker on Peaches	Colorado Department of Agriculture
5391309	Klett,James E	Primary PI	X	Enhancing Sustainable Herbaceous Perennial Production	Colorado Department of Agriculture
5391297	Charkowski,Amy Olympia	Primary PI	X	Determining the impact of common rotation crops on Spongopora subterranea to improve powdery scab management	Colorado Department of Agriculture
5363023	Black IV,William C	Co-PI	X	Advanced recombining of endosymbiotic bacteria from Aedes aegypti for enhanced transbiotic deployment and attenuation of ZIKV replication	Pebble Labs
5363023	Borlee,Bradley Robert	Primary PI	X	Advanced recombining of endosymbiotic bacteria from Aedes aegypti for enhanced transbiotic deployment and attenuation of ZIKV replication	Pebble Labs
5363023	Brennan,Carol D	Co-PI	X	Advanced recombining of endosymbiotic bacteria from Aedes aegypti for enhanced transbiotic deployment and attenuation of ZIKV replication	Pebble Labs
5363023	Kading,Rebekah	Co-PI	X	Advanced recombining of endosymbiotic bacteria from Aedes aegypti for enhanced transbiotic deployment and attenuation of ZIKV replication	Pebble Labs
5363023	Olson,Kenneth E	Co-PI	X	Advanced recombining of endosymbiotic bacteria from Aedes aegypti for enhanced transbiotic deployment and attenuation of ZIKV replication	Pebble Labs
5391361	Uchanski,Mark E	Co-PI	X	Production Potential of Cool-Season Grain Legumes in Colorado: Experimental and Modeling Approaches	Colorado Department of Agriculture
5302386	Bailey,Travis S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302386	Dandy,David S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302386	Peers,Graham	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302386	Quinn,Jason Charles	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302386	Reardon,Kenneth F	Primary PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302428	Bailey,Travis S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302428	Dandy,David S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302428	Peers,Graham	Primary PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302428	Quinn,Jason Charles	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302428	Reardon,Kenneth F	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302429	Bailey,Travis S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302429	Dandy,David S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302429	Peers,Graham	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302429	Quinn,Jason Charles	Primary PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5302429	Reardon,Kenneth F	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	DOE-US Department of Energy
5363025	Mathiason,Candace K	Co-PI	X	Cross-scale dynamics of multi-host vector-borne pathogens at the wildlife-domestic interface in ruminant communities	USDA-NIFA-National Institute of Food and Agriculture
5363025	Mayo,Christie E	Primary PI	X	Cross-scale dynamics of multi-host vector-borne pathogens at the wildlife-domestic interface in ruminant communities	USDA-NIFA-National Institute of Food and Agriculture
5363025	Stenglein,Mark Daniel	Co-PI	X	Cross-scale dynamics of multi-host vector-borne pathogens at the wildlife-domestic interface in ruminant communities	USDA-NIFA-National Institute of Food and Agriculture
5391350	Munoz Amatrain,Maria	Primary PI	X	Needs Assessment for Research on Dry Beans in Colorado	Colorado Dry Bean Administration Committee
5391350	Wallenstein,Matthew	Co-PI	X	Needs Assessment for Research on Dry Beans in Colorado	Colorado Dry Bean Administration Committee
5391353	Cranshaw,Whitney S	Co-PI	X	Integrated approach for management of Mexican bean beetle (Epilachna varivestis) in conventional and organic dry bean (Phaseolus sp.) production	Colorado Dry Bean Administration Committee
5391353	Nachappa,Punya	Primary PI	X	Integrated approach for management of Mexican bean beetle (Epilachna varivestis) in conventional and organic dry bean (Phaseolus sp.) production	Colorado Dry Bean Administration Committee
5391353	Ode,Paul James	Co-PI	X	Integrated approach for management of Mexican bean beetle (Epilachna varivestis) in conventional and organic dry bean (Phaseolus sp.) production	Colorado Dry Bean Administration Committee
5391353	Uchanski,Mark E	Co-PI	X	Integrated approach for management of Mexican bean beetle (Epilachna varivestis) in conventional and organic dry bean (Phaseolus sp.) production	Colorado Dry Bean Administration Committee
5391354	Johnson,Jerry J	Primary PI	X	Testing Commercial and Experimental Varieties of Dry Bean	Colorado Dry Bean Administration Committee
5314415	Orsi,Jared P	Primary PI	X	State Forest State Park Colorado Parks and Wildlife Cultural Resources Management Chapter	Colorado Division of Parks and Wildlife
5314415	Payne,Sarah R	Co-PI	X	State Forest State Park Colorado Parks and Wildlife Cultural Resources Management Chapter	Colorado Division of Parks and Wildlife
5307721	Ruegg,Kristen Camille	Primary PI	X	RoL-FELS:EAGER: Linking physiology, morphology, and genomics to investigate adaption to rapid environmental change	University of California, Davis
5392785	Cotrufo,Maria Francesca	Primary PI	X	Microbial Carbon Cycling in Terrestrial Ecosystems	DOE-NNSA-Los Alamos National Laboratory
5391325	Wilkins,Michael James	Co-PI	X	Development of a microbiome resource to discern the microbial impacts across dynamic river systems	DOE-Pacific Northwest National Laboratory
5391325	Wrighton,Kelly Catherine	Primary PI	X	Development of a microbiome resource to discern the microbial impacts across dynamic river systems	DOE-Pacific Northwest National Laboratory
5306571	Randall,David A	Primary PI	X	Exascale Energy Earth System Model	DOE-NNSA-Lawrence Livermore National Laboratory
5302391	Dandy,David S	Primary PI	X	Rapid and Inexpensive Field Test for Cacao Swollen Shoot Virus DNA - 2	Access Sensor Technologies, LLC
5302391	Geiss,Brian J	Co-PI	X	Rapid and Inexpensive Field Test for Cacao Swollen Shoot Virus DNA - 2	Access Sensor Technologies, LLC
5302391	Henry,Charles S	Co-PI	X	Rapid and Inexpensive Field Test for Cacao Swollen Shoot Virus DNA - 2	Access Sensor Technologies, LLC
5302392	Yalin,Azer P	Primary PI	X	Development of Novel Laser Sensor for Benzene for Oil and Gas Emissions Monitoring	Colorado Office of Economic Development and Intl Trade
5307411	Miyake,Garret Morgan	Primary PI	X	Paintable heat reflective window coatings	Colorado Office of Economic Development and Intl Trade
5314416	Miyake,Garret Morgan	Primary PI	X	CSA(5307411-5314416) Paintable heat reflective window coatings	CSURF-CSU Ventures
5312081	Cross,Jennifer Eileen	Primary PI	X	Incubating A Fourth-Sector Ecosystem With A Scalable Educational Crowdfunding Platform	The Local Crowd
5317202	Miyake,Garret Morgan	Primary PI	X	SBIR: Organic photoredox catalysts as sustainable and cost-effective replacement for precious metal complexes in light-driven drug synthesis	New Iridium, LLC
5392748	Speidel,Scott E	Primary PI	X	Genome-Wide Association Study of disease in Feral Swine	USDA-APHIS-National Wildlife Research Center
5392748	Thomas,Milton	Key Person	X	Genome-Wide Association Study of disease in Feral Swine	USDA-APHIS-National Wildlife Research Center
5302393	Bailey,Travis S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	Colorado Energy Research Collaboratory
5302393	Dandy,David S	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	Colorado Energy Research Collaboratory
5302393	Peers,Graham	Co-PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	Colorado Energy Research Collaboratory
5302393	Reardon,Kenneth F	Primary PI	X	Integrating an Industrial Source and Commercial Algae Farm with Innovative CO2 Transfer Membrane and Improved Strain Technologies	Colorado Energy Research Collaboratory
5302396	Sampath,Walajabad S	Primary PI	X	Diagnosing and overcoming recombination and resistive losses in non- silicon solar cells using a silicon-inspired characterization platform	Arizona State University
5340567	Gallen,Sean F	Primary PI	X	Perturbations of Earth Surface Dynamics Caused by Extreme Events	NSF-GEO-Geosciences
5391391	Wrighton,Kelly Catherine	Primary PI	X	Leveraging Distributed Research Networks to Understand Watershed Systems	NSF-National Science Foundation
5302398	Niemann,Jeffrey D	Primary PI	X	Terrain Mobility Analysis Model (TMAM)	Technology Service Corporation
5302398	Scalia IV,Joseph	Co-PI	X	Terrain Mobility Analysis Model (TMAM)	Technology Service Corporation
5391337	Wallenstein,Matthew	Co-PI	X	CAREER: Fractured Shales as Portals into Cryptic Carbon and Nitrogen Cycling in the Deep Biosphere	NSF-GEO-Geosciences
5391337	Wilkins,Michael James	Primary PI	X	CAREER: Fractured Shales as Portals into Cryptic Carbon and Nitrogen Cycling in the Deep Biosphere	NSF-GEO-Geosciences
5391338	Wallenstein,Matthew	Co-PI	X	'Participant Support' CAREER: Fractured Shales as Portals into Cryptic Carbon and Nitrogen Cycling in the Deep Biosphere	NSF-GEO-Geosciences
5391338	Wilkins,Michael James	Primary PI	X	'Participant Support' CAREER: Fractured Shales as Portals into Cryptic Carbon and Nitrogen Cycling in the Deep Biosphere	NSF-GEO-Geosciences
5340568	Kanno,Yoichiro	Primary PI	X	Survey of native plains fish assemblages after a recent discovery of invasive mosquitofish in Arikaree River	Audubon Society of Greater Denver
5302404	Munsky,Brian	Primary PI	X	Microbial Carbon Cycling in Terrestrial Ecosystems	DOE-NNSA-Los Alamos National Laboratory
5302405	Mahmoud,Hussam N	Primary PI	X	COLLABORATIVE RESEARCH: RAPID - Data collection on Wildfire Urban Interface (WUI) for schools and hospitals following the 2018 California Camp Fire	NSF-National Science Foundation
5314841	Kummerow,Christian D	Primary PI	X	Continuity of the AMSR Earth Science Data Records	NASA-National Aeronautics and Space Administration
5302406	Quinn,Jason Charles	Co-PI	X	Feasibility Study for Use of Lake Kivu Methane	Rwanda Mines, Petroleum and Gas Board
5302406	Willson,Bryan D	Primary PI	X	Feasibility Study for Use of Lake Kivu Methane	Rwanda Mines, Petroleum and Gas Board
5391403	Nalam,Vamsi	Primary PI	X	Phloem Transport of Amino Acids: A Novel Target To Disrupt Bacterial Symbiosis In Soybean Aphids	Purdue University
5391346	Gaines,Todd A	Primary PI	X	Minimizing Palmer amaranth and Kochia Seed Production in Sugarbeet	Western Sugar Cooperative
5391347	Ham,Jay M	Primary PI	X	Monitoring Edge-of-Field (EOF) Water Quality in Surface-Irrigated Sugarbeets: Identifying BMPs for Reducing Nutrient Runoff	Western Sugar Cooperative
5391348	Dayan,Franck E	Co-PI	X	Disrupting BCTV Transmission by targeting the Molecular Interaction between the Virus and its Insect Vector	Western Sugar Cooperative
5391348	Nachappa,Punya	Primary PI	X	Disrupting BCTV Transmission by targeting the Molecular Interaction between the Virus and its Insect Vector	Western Sugar Cooperative
5303051	Barbier,Edward	Primary PI	X	Belmont Forum Collaborative Research: Land to Sea	NSF-National Science Foundation
5317851	Payne,Sarah R	Primary PI	X	NWRC Inventory, Migration, and Long-term Preservation of Scientific Data	USDA-APHIS-National Wildlife Research Center
5309854	Galvin,Kathleen	Co-PI	X	A rapid synthesis and prioritization of greenhouse gas emission mitigation activities for Ethiopia	USDA-Foreign Agricultural Service

5309854	Paustian,Keith H	Co-PI	X	A rapid synthesis and prioritization of greenhouse gas emission mitigation activities for Ethiopia	USDA-Foreign Agricultural Service
5318031	von Fischer,Joseph Charles	Primary PI	X	CSU Methane Mapping 2019	Environmental Defense Fund
5302414	Olsen,Daniel B	Primary PI	X	Evaluation of Commercially Available On-line Analyzers for Measurement of Multiple Gas Contaminants	Pipeline Research Council International
5309857	Fernandez-Gimenez,Maria E	Primary PI	X	Testing the Land-Potential Knowledge System (LandPKS), Open Source Mobile App, for Managing Soil and Rangeland Health across the Western United States	The Nature Conservancy
5312791	Collett Jr,Jeffrey L	Primary PI	X	TASK 1: National Park Service Air Quality Monitoring Campaigns	Air Resource Specialists, Inc.
5312791	Fischer,Emily V	Key Person	X	TASK 1: National Park Service Air Quality Monitoring Campaigns	Air Resource Specialists, Inc.
5312792	Collett Jr,Jeffrey L	Primary PI	X	TASK 2: National Park Service Air Quality Monitoring Campaigns	Air Resource Specialists, Inc.
5312792	Fischer,Emily V	Key Person	X	TASK 2: National Park Service Air Quality Monitoring Campaigns	Air Resource Specialists, Inc.
5350104	Ocheltree,Troy W	Co-PI	X	Managing for Rangeland Resilience to Drought: Dominant Controls on Understory Vegetation Response to Overstory Tree Mortality	USDA-NIFA-National Institute of Food and Agriculture
5350104	Redmond,Miranda D	Primary PI	X	Managing for Rangeland Resilience to Drought: Dominant Controls on Understory Vegetation Response to Overstory Tree Mortality	USDA-NIFA-National Institute of Food and Agriculture
5313751	Reddy,Anireddy Satyanarayana	Primary PI	X	Drought tolerance in rice: Role of a stress-responsive calmodulin-binding transcription factor	USDA-NIFA-National Institute of Food and Agriculture
5302417	Bradley,Thomas Heenan	Primary PI	X	Mobility and Energy Improvements Realized through Prediction-based Vehicle Powertrain Control and Traffic Management	DOE-US Department of Energy
5302417	Chen,Suren	Co-PI	X	Mobility and Energy Improvements Realized through Prediction-based Vehicle Powertrain Control and Traffic Management	DOE-US Department of Energy
5302417	Chong,Edwin K P	Co-PI	X	Mobility and Energy Improvements Realized through Prediction-based Vehicle Powertrain Control and Traffic Management	DOE-US Department of Energy
5309858	Kanno,Yoichiro	Primary PI	X	Invasive Fish Passage and Connectivity Assessment to Restore the Largest Greenback Cutthroat Trout Meta-population in the Long Draw Region (CO)	National Fish and Wildlife Foundation
5363061	Neophytou,Andreas	Primary PI	X	Air pollution exposures and children's health: mediation and interaction in a counterfactual framework	HHS-NIH-Natl Inst of Environ Health Serv
5302424	Quinn,Jason Charles	Primary PI	X	Multi-pronged approach to improving carbon utilization by cyanobacterial cultures	Arizona State University
5302423	Ronayne,Michael J	Co-PI	X	Tools for Advancing Sustainable Development of the Terry Ranch Wellfield	Wingfoot Water Resources
5302423	Sale,Thomas C	Primary PI	X	Tools for Advancing Sustainable Development of the Terry Ranch Wellfield	Wingfoot Water Resources
5302425	Windom,Bret Colin	Primary PI	X	Roof Packing Leakage Monitoring and Prevention Survey of Technologies and Recommended Practices	Gas Machinery Research Council
5350115	Schultz,Courtney Allison	Primary PI	X	Implementing the Shared Stewardship Strategy in Colorado	USDA-USFS-Rocky Mtn. Rsrch Station - CO
5302426	Marchese,Anthony	Co-PI	X	Storable Clean Ethane-ethylene Nitrous Engine (SCENE)	Pioneer Astronautics
5302426	Windom,Bret Colin	Primary PI	X	Storable Clean Ethane-ethylene Nitrous Engine (SCENE)	Pioneer Astronautics
5391415	Kummerow,Christian D	Primary PI	X	Understanding GMI Observations in Orographic Precipitation Rain and Snow	NASA-National Aeronautics and Space Administration
5350119	Davis,Thomas Seth	Primary PI	X	Boulder County Parks and Open Spaces: Quantifying the effects of wildfire severity and wildfire mitigation treatments on biodiversity of wild bee communities	Boulder County Parks and Open Spaces
5391412	Belk,Keith	Primary PI	X	Effects of Withdrawal for 2, 4, or 7 Days on Ractopamine Residues (Total & Parent) of Muscle, Fat, Rendered Tallow, and Large Intestine (food quality and safety)	National Cattlemen Beef Association
5391412	Delmore,Robert J	Key Person	X	Effects of Withdrawal for 2, 4, or 7 Days on Ractopamine Residues (Total & Parent) of Muscle, Fat, Rendered Tallow, and Large Intestine (food quality and safety)	National Cattlemen Beef Association
5391412	Narayanan Nair,Mahesh	Key Person	X	Effects of Withdrawal for 2, 4, or 7 Days on Ractopamine Residues (Total & Parent) of Muscle, Fat, Rendered Tallow, and Large Intestine (food quality and safety)	National Cattlemen Beef Association
5391412	Prenni,Jessica E	Key Person	X	Effects of Withdrawal for 2, 4, or 7 Days on Ractopamine Residues (Total & Parent) of Muscle, Fat, Rendered Tallow, and Large Intestine (food quality and safety)	National Cattlemen Beef Association
5350121	Bailey,Larissa	Primary PI	X	CESU-RM: Linking demographic and genomic information to inform conservation decisions for amphibians challenged by disease	DOI-USGS-Geological Survey
5391402	Khosla,Rajiv	Primary PI	X	Precision Agriculture using Networks of Degradable Sensors (PANDAS)	University of Colorado
5309861	Davis,Thomas Seth	Primary PI	X	City of Boulder Open Spaces and Mountain Parks: Quantifying the effects of wildfire severity and wildfire mitigation treatments on biodiversity of wild bee communities	City of Boulder Open Space & Mountain Parks
5328461	Schubert,Wayne H	Primary PI	X	Fundamental Tropical Dynamics	NSF-National Science Foundation
5364472	Knapp,Alan Keith	Co-PI	X	Investigating rangeland responses to altered precipitation variability: can extreme large events sustain forage production during drought?	USDA-NIFA-National Institute of Food and Agriculture
5315062	Dandy,David S	Co-PI	X	Real Time Monitor for Airborne Viral Pathogens	Aerosol Devices, Inc.
5315062	Geiss,Brian J	Co-PI	X	Real Time Monitor for Airborne Viral Pathogens	Aerosol Devices, Inc.
5315062	Henry,Charles S	Primary PI	X	Real Time Monitor for Airborne Viral Pathogens	Aerosol Devices, Inc.
5315064	Dandy,David S	Co-PI	X	Real Time Monitor for Airborne Viral Pathogens	Aerosol Devices, Inc.
5315064	Geiss,Brian J	Primary PI	X	Real Time Monitor for Airborne Viral Pathogens	Aerosol Devices, Inc.
5315064	Henry,Charles S	Co-PI	X	Real Time Monitor for Airborne Viral Pathogens	Aerosol Devices, Inc.
5313821	Ravishankara,Akkihhebbal Ramaiah	Primary PI	X	How much and where will trifluoroacetic acid be deposited due to use of HFO-1234yf in China, India, and the Middle East	GlobalFACT
5302432	Radford,Donald W	Primary PI	X	Thermoplastic Ecosystem-Equipment Grant Proposal	Colorado Cleantech Industries Association
5302434	Quinn,Jason Charles	Primary PI	X	Regionally Greenhouse Gas Analysis of Compressor Driver	Gas Machinery Research Council
5302442	Marchese,Anthony	Primary PI	X	Hydrothermal Processing of Biomass: Analysis and Testing of Upgraded HTL Products	DOE-Pacific Northwest National Laboratory
5302443	Cale,James	Primary PI	X	Microgrid Controller Testbed	Factor(e) Ventures
5392828	Ippolito,Jim	Co-PI	X	Reduced Tillage and Residue Management to Enhance Soil Health and Provide Economic Incentive for Corn Growers	Colorado Corn Administrative Committee
5392827	Burkhardt,Jesse Brodie	Co-PI	X	Assessing the Impacts of Drought on Ecosystem Service-based Sectors, Criminal Activity, and Health Outcomes in Arizona, Colorado, New Mexico, and Utah	University Corporation for Atmospheric Research
5392827	Goemans,Christopher G	Primary PI	X	Assessing the Impacts of Drought on Ecosystem Service-based Sectors, Criminal Activity, and Health Outcomes in Arizona, Colorado, New Mexico, and Utah	University Corporation for Atmospheric Research
5392827	Manning,Dale Thomas	Co-PI	X	Assessing the Impacts of Drought on Ecosystem Service-based Sectors, Criminal Activity, and Health Outcomes in Arizona, Colorado, New Mexico, and Utah	University Corporation for Atmospheric Research
5392826	Peairs,Frank B	Primary PI	X	Integration of early harvest with biological control for sustainable alfalfa production	University of Wyoming
5391396	McKay,John K	Primary PI	X	Kevin Lehner - Post Doc "A Dynamic Genotype-by-Environment (GxE) Analysis of Sorghum Tillering Under Drought Stress"	USDA-NIFA-National Institute of Food and Agriculture
5302446	James,Susan Patricia	Primary PI	X	Ultra Long Life Hollow Cathode Development (energy research)	Plasma Controls, LLC
5302446	Williams,John D	Co-PI	X	Ultra Long Life Hollow Cathode Development (energy research)	Plasma Controls, LLC
5319921	Bell,Michael Monroe	Primary PI	X	Collaborative Research: Dynamics, Thermodynamics, and Microphysics of Extreme Rainfall observed during PRECIP	NSF-National Science Foundation
5391328	Goemans,Christopher G	Primary PI	X	Assessing the Impacts of Drought on Ecosystem Service-Based Sectors, Criminal Activity, and Health Outcomes in Colorado	Colorado Water Conservation Board
5391328	Manning,Dale Thomas	Co-PI	X	Assessing the Impacts of Drought on Ecosystem Service-Based Sectors, Criminal Activity, and Health Outcomes in Colorado	Colorado Water Conservation Board
5302449	Arabi,Mazdak	Primary PI	X	Modeling the Effects of EQIP Conservation Practices on Surface Water Quality	BRINK, Inc. Environmental Solutions
5363088	Kading,Rebekah	Primary PI	X	Surveillance of mosquito and arbovirus dispersal using smart microcrystals	HHS-NIH-NIAID-Allergy and Infect Diseases
5363088	Snow,Christopher Davis	Co-PI	X	Surveillance of mosquito and arbovirus dispersal using smart microcrystals	HHS-NIH-NIAID-Allergy and Infect Diseases
5363093	Snow,Christopher Davis	Primary PI	X	Surveillance of mosquito and arbovirus dispersal using smart microcrystals	HHS-NIH-NIAID-Allergy and Infect Diseases
5392846	Paustian,Keith H	Primary PI	X	Southeast Partnership of Advanced Renewables from Carinata	University of Florida
5381191	Maloney,Eric D	Primary PI	X	Changes to Madden-Julian Oscillation Winds and Convection in a Future Warmer Climate	NSF-National Science Foundation
5309876	Hoffman,Chad M	Primary PI	X	Advancing wildland fire science through the development, evaluation and application of physics based fire behavior models.	USDA-USFS-Pacific NW Exp Statn
5302452	Arabi,Mazdak	Co-PI	X	WEPP Watershed web-bahttps://kprd.is.colostate.edu/kc-prd/kr/static/images/searchicon.gifsed GIS Interface	USDA-ARS-Agricultural Research Service
5323041	Knapp,Alan Keith	Primary PI	X	INSPIRE 2.0: Water Management Opportunities for Solar and Agriculture Co-location	Alliance for Sustainable Energy-NREL
5381181	Rasmussen,Kristen Lani	Co-PI	X	Cloud microphysical studies and precipitation estimation using GPM	NASA-National Aeronautics and Space Administration
5381181	Rutledge,Steven A	Primary PI	X	Cloud microphysical studies and precipitation estimation using GPM	NASA-National Aeronautics and Space Administration
5328381	Estep,Donald J	Primary PI	X	Cooperative Research in Ecological Statistics	USDA-USFS-Forest Research
5363098	Schountz,William A	Primary PI	X	Preventing emergence and spillover of bat pathogens in high-risk global hotspots	Montana State University
5302469	Mahmoud,Hussam N	Primary PI	X	Experimental Fatigue Assessment of Underwater Fiber-Retrofitted Steel Panels with Mechanical Connections	DOD-ARMY-Corps of Engineers
5302471	Olsen,Daniel B	Primary PI	X	Performance Evaluation of Dedicated EGR on a Caterpillar CG137-8 Natural Gas Engine	Caterpillar, Inc.
5363099	Abdo,Zaid	Primary PI	X	Genomic tools for guiding effective management of wildlife rabies	USDA-APHIS-National Wildlife Research Center
5392851	Leach,Jan E	Primary PI	X	Basis of Xanthomonas Tissue-Specific Behavior During Plant Pathogenesis	The Ohio State University
5301864	Quinn,Jason Charles	Primary PI	X	Low-cost, Easy-to-Integrate, and Reliable Grid Energy Storage System with 2nd Life Lithium Batteries	University of California, San Diego
5392854	Belk,Keith	Key Person	X	Estimate and Mitigate the Potential Biosafety Risk of a CRISPR-Cas9-Based Targeted Killing System in Beef Cattle Production Using Omic-Based Analysis Methodologies and a Bovine Cell Line	National Cattlemen Beef Association
5392854	Prenni,Jessica E	Key Person	X	Estimate and Mitigate the Potential Biosafety Risk of a CRISPR-Cas9-Based Targeted Killing System in Beef Cattle Production Using Omic-Based Analysis Methodologies and a Bovine Cell Line	National Cattlemen Beef Association
5392854	Thomas,Milton	Key Person	X	Estimate and Mitigate the Potential Biosafety Risk of a CRISPR-Cas9-Based Targeted Killing System in Beef Cattle Production Using Omic-Based Analysis Methodologies and a Bovine Cell Line	National Cattlemen Beef Association
5392854	Yang,Hua	Primary PI	X	Estimate and Mitigate the Potential Biosafety Risk of a CRISPR-Cas9-Based Targeted Killing System in Beef Cattle Production Using Omic-Based Analysis Methodologies and a Bovine Cell Line	National Cattlemen Beef Association
5323271	Ruegg,Kristen Camille	Primary PI	X	Variation in phenological shifts: How do annual cycles and genetic diversity constrain or enable responses to climate change?	Boise State University

5324511	Ruegg,Kristen Camille	Primary PI	X	The Bird Genoscape Project - Mapping the Flyways of the Americas	National Geographic Society
5301879	Bringj,Viswanathan N	Primary PI	X	Collaborative Research: Observational and Numerical Modeling Studies of Rain Microphysics	NSF-National Science Foundation