

ENVIRONMENT, NATURAL RESOURCES, AND AGRICULTURE

Enhance our local and global environment through prudent development, conservation, and preservation of our natural resources while protecting public health, and preserve our sustainable food and fiber resources.

A. UTAHNS WILL UNDERSTAND THE INTERRELATIONSHIPS BETWEEN THE ENVIRONMENT, NATURAL RESOURCES, THE ECONOMY, AND QUALITY OF LIFE

1. Implement public education and public relations programs that consider the interrelationship between environment, natural resources, the economy, and quality of life.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	2010
a. Effectiveness of Public Education and outreach activities measured through program specific surveys								
Underground Storage Tank Compliance								
Clear the Air Campaign								
Southwest Partnership								
Uintah Basin Partnership								
Radon Awareness								
Sharon Steel Cleanup								
Trip Reduction								
Forestry Education								
b. Number of persons contacted through the distribution of educational materials	0	1523	2000	3000	5010			

2. Promote excellence in environmental quality, including programs for air, water and fauna, flora and soil, and for activities in pollution prevention, cleanups, emissions reductions, public education, and cost-effectiveness of controls.
3. Provide leadership in the western region and nationally on environmental policy and protection.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Evaluate the results of participation in targeted policy and regulatory discussions with survey feedback						
b. Percent of initiatives that influence environmental policy						

B. UTAHNS WILL ACHIEVE AND MAINTAIN AIR QUALITY TO PROTECT PUBLIC HEALTH AND THE

ENVIRONMENT

1. Achieve National Ambient Air Quality Standards on the Wasatch Front and minimize degradation of air quality in areas of the state that are better than those standards.

Performance Measures	1980	1990	1993	1994	1995	1996	1997	2000	2005
a. Number of exceedances in non-attainment areas per year of:									
CO - Carbon Monoxide	30	14	2	2	0	1			
PM ₁₀ - Fine Particulate Matter	26 ¹	0	7	1	0	2			
O ₃ - Ozone	17	1	0	0	3	1			
SO _x - Sulfurous Oxide	2	0	0	0	0	0			
NO _x - Nitrous Oxide	0	0	0	0	0	0			
Pb - Lead	0	0	0	0	0	0			
<small>¹Total Suspended Particles - Changed to PM₁₀ July 1, 1987</small>									
b. Tons of emissions from Wasatch Front Mobile Sources									
PM ₁₀		31,479	44,600	52,310					
NO _x		25,688	34,991	44,282					
c. Wasatch Front vehicle miles traveled	18.6 M (1981)	25.8M	29.7M	33.8M	34.9M	35.6 M	36.6M (est.)		
d. Number of days of reduced visibility in Utah National Parks (average visibility range in miles in Southern Utah best v worst days)				140/70 (8 yr avg)					
e. Number of hazardous air pollutant sources under maximum allowable control technology regulation each year						367			

2. Improve coordination of air quality monitoring and data collection.

Performance Measures	1980	1990	1994	1995	1996	2000	2005	2010
a. Percent of areas requesting monitoring which are served by monitoring stations			14%	30%	40%			
b. Percent of counties required to monitor which are served by monitoring stations			100%	100%	100%			

3. Consider impact on air quality, economic impact, and cost and benefits of maintaining air quality in evaluating industries and environmental actions.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Tons of air contaminants removed by air pollution controls/technology for: Wasatch Front Counties Non-Wasatch Front Counties						
b. Cost per ton of air contaminants removed by air pollution controls/technology for: Wasatch Front Counties Non-Wasatch Front Counties						
c. Number and acreage of management-ignited and prescribed natural fire projects						

4. Eliminate exposure to environmental tobacco smoke.

Performance Measures	1980	1990	1995	1997	DoH Target 2000	2005	2010
a. Percent of work sites that ban smoking		38.8%	100%	100%	100%		

C. NATURAL RESOURCES WILL BE USED AND INVESTED WISELY

1. Inventory all renewable and non-renewable resources whose use offer potential opportunities for enjoyment or economic benefit to

Utah's citizens.

Performance Measures	1980	1990	1995	1997	2000	2005	2010
a. Percent of the state mapped in the GIS format and available through the State Geographic Information Database							
Oil and Gas	0	10%	100%				
Wildlife			100%				
Coal & Minerals	0	0	10%				
Fuels							
Forests				100%			
Fauna				100%			
Water	0	10%	30%				

2. Manage Utah's renewable resources on the basis of sustainable yield.
3. Promote natural resource development while minimizing waste.
4. Mitigate the environmental effects of development and ensure reclamation to reduce or eliminate those effects.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	2010
a. Number of inactive mining sites identified	0	175	1357	1490				
b. Percent of inactive mining sites reclaimed								
c. Percent increase in producible in-place oil and gas reserves								
d. Percent of groundwater basins in Utah that are being pumped within the sustainable yield of the groundwater basin		96%	96%	96%				
e. Percent of mining sites reclaimed following active coal, minerals, or bitumen mining			98.7%					
f. Percent of inspected oil, gas, and minerals operations in compliance with state law			99%					

Performance Measures	1980	1990	1995	1996	1997	2000	2005	2010
g. Percent of coal mine inspections that lead to the issuance of a notice of violation for environmental compliance problems			4.2%					
h. Number of public trees planted in urban areas	0	14,750	9,148	22,000	19,467			
i. Number of communities achieving Tree City USA status	2	11	19	19	18			
j. Percent of voluntary or local government ordered reclamation projects completed								
k. Number of permits filed and completed for stream alteration								
l. Number of natural resource management plans developed			65	36	21			
m. Acreage of natural resource management plans			30,554	121,485	3,772			

5. Conserve and minimize waste in use of our energy resources.

6. Promote the development and use of alternative sources of energy that mitigate environmental impact.

Performance Measures	1980	1990	1993	1994	1995	1996	1997	2000	2005	2010
a. Percent of buildings with energy saving technology at current energy code										
Residential	9.0 %	11.0 %			19.0 %					
Commercially Sized	17.0 %	19.0 %			23.0 %					
b. Consumption of electricity by sector (kilowatt hour):										
Residential (kWh per household yr)	7169	7376	7739	8075	7880	8308				
Commercial/Industrial (kWh/\$ GSP)	.357	.373	.357	.360	.361	.370				
c. Percent change in electricity utilization (all sectors)										
Residential (kWh per household yr)	Base	2.9%	8.0%	4.6%	-2.4%	5.4%				
Commercial/Industrial (kWh/\$ GSP)	Year	4.4%	-5%	.8%	.4%	2.5%				

Performance Measures	1980	1990	1993	1994	1995	1996	1997	2000	2005	2010
d. Kilowatt hours saved through green lights program						31,924,000				
e. Consumption of natural gas by sector (thousand cubic feet):										
Residential (MCF per household)	120	98	107	97	94	97				
Commercial/Industrial/(CF/\$ GSP)	2.954	1.877	2.062	1.910	1.893	1.97				
f. Percent change in natural gas utilization										
Residential (MCF per household)	Base	-18.4%	11.5%	-9.3%		3.2%				
Commercial/Industrial/(CF/\$ GSP)	Year	-36.4%	7.5%	-7.4%		-1.2%				
g. Total consumption of alternative transportation fuels (gallon equivalent):										
Private Sector	0	150,000			1.1 mil					
Public Sector	0	10,000			60,000					
h. Percent of business and government motor vehicles equipped to operate on alternate fuels	<1%	<1%			193 veh.					
i. Generation/consumption of alternative sources of energy (Million kWh)	.0	152	148	195	140	192				
j. Acreage of natural resource reclamation projects completed										
k. Non-federal forest, range, and watershed wildfire protection cost per acre	\$.03	\$.04	\$.06	\$.05	\$.05	\$.08				
l. Human-caused wildfire rate	75%	65%			48%	56%	44%			
m. Percent of local jurisdictions that enforce energy codes.	2 %	5 %			9%					
n. Percent of state owned facilities that meet energy efficient codes	20 %	23 %			25 %					

7. Encourage partnerships between those parties who manage, develop, and utilize renewable and nonrenewable resources.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	2010
a. Number of intergovernmental jurisdictional issues covered by memorandum of understanding			26	10	10			
b. Number of regulator/industry sponsored workshops and training sessions			12	4	12			
c. Number of extension programs established to assist small regulated businesses achieve compliance								
d. Number of leveraged partnerships between federal, state, local government, and or the private sector to develop and protect Utah's natural resources			30	38	1			

8. Manage trust lands effectively, assuring that the interests of schools and other beneficiaries are paramount.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Revenues earned from trust lands	\$19 M	\$15 M				

D. LAND USE PLANNING IN UTAH WILL MEET THE NEEDS OF THE CURRENT POPULATION WITHOUT COMPROMISING THE NEEDS OF FUTURE GENERATIONS

1. Identify environmental, social, and economic consequences and resolve conflicts in the overall best interest of Utahns in establishing planning and land use policies.
2. Encourage development of local General Plans.

Performance Measures	1980	1990	1994	1995	1996	2000	2005	2010
a. Percent of counties with General Plans adopted or updated within the last 5 years			41%		46%			
b. Percent of cities and towns with General Plans adopted or updated within the last 5 years				18%				

3. Improve coordination between federal, state, and local government in land use planning.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Percent of planning agencies satisfied with planning coordination			15%			

4. Establish state land use guidance to promote coordination and consistency of plans.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Percent of state agencies and local government plans that are consistent with state planning policies						

5. Encourage the development of comprehensive and cumulative regional land use plans.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Percent of Association of Governments' with regional plans adopted or updated within the past 5 years			50%			

6. Recognize adopted local General Plans and communicate with local communities, state, and federal agencies when making public investment decisions.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Percent of state and federal agencies that recognize local General Plans and coordinate with local communities						

7. Consider the conservation and protection of existing air, water quality, and hydrologic stream systems when developing local and regional land use plans.

Performance Measures	1980	1990	1995	2000	2005	2010
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a. Percent of all plans that include measures to conserve and protect air and water quality			12%			
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8. Encourage local communities and state agencies to identify lands and develop programs to protect critical open space.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Number of local governments that have undertaken open space preservation programs						
b. Number of open space projects						
c. Number of acres in conservation easements						
d. Number and acreage of private forest land protected under the "Forest Legacy" program						

E. UTAHNS WILL ASSURE CLEAN AND SUFFICIENT STATEWIDE WATER SUPPLIES TO PROTECT PUBLIC HEALTH AND PRESERVE BENEFICIAL WATER USES THROUGH CONSERVATION, DEVELOPMENT, AND POLLUTION CONTROL

1. Prevent contamination of drinking water sources.

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	2010
a. Percent of population on public water systems served by systems with approved ratings		99%		99%	99.6%	99.7%			
b. Percent of public drinking water systems with approved ratings		83%		85%	93%	95.1%			
c. Number of new drinking water source protection plans prepared and implemented by drinking water systems			10	7	91	152			

2. Maintain or improve the quality of Utah's surface water and ground water.

3. Identify and develop water supplies to provide ample, good quality water for present and future needs.

4. Reduce violations of state surface and ground water quality standards.

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	2010
a. Percent of lakes monitored that meet water quality standards		57%	62%		62%				
b. Percent of stream segments monitored that meet water quality standards		72%	60%		62%	62%			
c. Percent of lakes monitored that show a trend of improvement or maintenance of quality		80%	80%		80%				
d. Water supply capacity versus future needs (reported in acre feet -- demand/supply)		362,090/ 561,000		435,490/ 639,520			DNR Target 441,200/ 652,000		DNR Target 528,510/ 657,000
e. Percent of future water needs met with current supply				147%			DNR Target 127%		DNR Target 106%
f. Percent of stream segments monitored that show a trend of improvements or maintenance of quality		80%	80%		80%				
g. Percent of permittees in compliance with surface water discharges		90%	98%		99%	99%			
h. Percent of permittees in compliance with groundwater discharges		100%	87%		91%	93%			
i. Number of ground water permits issued (cumulative)		2	40		35	37			
j. Number of surface water discharge permits issued and administered		200	743		970	1083			
k. Number of ground water cleanup actions resolved (cumulative)		0	17		21	24			
l. Number of state approved waste water disposal wells for oil and gas operations	39	52							

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	2010
m. Number of waste disposal pits brought into compliance with state standards for oil and gas operations	0	9							

5. Protect from releases of storage tank contaminants.

Performance Measures	1980	1988	1990	1994	1996	1997	2000	2005	2010
a. Number of reported leaking underground storage tanks (cumulative)		55	922	2253	2910	3130			
b. Number of leaking underground storage tank cleanups completed (cumulative)		8	125	689	1887	2219			
c. Number of leaking tanks impacting groundwater (cumulative)					1018	1209			
d. Percent of facilities in compliance with leak prevention standards					85%	91%			

6. Encourage water conservation and wise management practices.

7. Coordinate local, state, and federal water related planning and management activities.

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	DNR Target 2010
a. Statewide water use-gallon/person/day	285	280	268		210				240
b. Percent of major water using entities having adopted management and conservation plans									
Water Improvement Districts	0	7%		14%		15%			93%
Water Conservancy Districts	0	10%		40%		45%			90%
Major Municipal Water Systems (14)	0	7%		7%		14%			93%

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	DNR Target 2010
c. Percent of Utah covered by River Basin Plans as part of the State Water Plan	0	8%		27%	55%	55%			100%
d. Percent of local governments with ordinances to protect and manage mapped flood plains				15%					
e. Percent of state's ground-water basins mapped and modeled at 1:100,000 scale or larger									
f. Percent of Utah's ground-water resources inventoried									
g. Percent of ground-water basins modeled and management plans developed	10%	20%		35%	40%				
h. Percent of Utah's ground-water basins in overdraft or covered by a moratorium on ground-water development	57%	61%		73%					
i. Percent of Utah's high hazard dams meeting current operational and safety requirements									

8. Protect Utah's diverse water interests through interdisciplinary recognition of balanced economic, social, aesthetic, recreational, wildlife, and ecological values.

Performance Measures	1980	1990	1995	2000	2005	2010

F. UTAHNS WILL PROTECT THE PUBLIC AND THE ENVIRONMENT FROM EXPOSURE TO CONTAMINATION CAUSED BY THE IMPROPER MANAGEMENT OF SOLID, RADIOACTIVE, AND HAZARDOUS WASTE

1. Promote pollution prevention, reuse, and recycling to minimize waste generation.
2. Improve waste management procedures.

3. Properly manage waste statewide.

Performance Measures	1991	1992	1993	1994	1995	1996	1997	2000	2005
a. Tonnage of imported:									
Solid Waste	76,200		322,700	705,160	788,919		655,363		
Hazardous Waste	57,300		32,600	58,710	53,484		85,530		
Radioactive Waste	169,400		93,341	144,774		253,262	327,024		
b. Tonnage of municipal solid waste disposed in Utah:									
Utah-generated						3,004,857	4,761,668		
Out-of-state generated						2695	18,245		
c. Commercial hazardous waste landfill disposal capacity available (in 1000 tons)		855	1000		800				
d. Tonnage of hazardous waste in Utah:									
Generated in Utah						N.A.	N.A.		
Total disposed by commercial landfill						35,822	39,255		
Total disposed by commercial incinerator						33,286	59,989		
e. Percent of hazardous waste facilities in compliance									
f. Radioactive waste disposal capacity used				11%	17%	18%	9%		
g. Tonnage of radioactive waste disposed			93,341	61,857	144,881	253,262	327,024		
h. Tonnage of Utah generated PCB's disposed in Utah (in 1000s)	200,300		82,200		2893		1026		
i. Percent of hazardous waste generators receiving training and technical assistance					15%				
j. Number of community-based recycle programs established									
Used oil recycling					8	12	17		
Market development programs						3	4		
k. Percent participation of community residents in a curbside recycling program for municipal solid waste						25%	25%		
l. Number of facilities reporting source reduction activities						N.A.	N.A.	N.A.	

Performance Measures	1991	1992	1993	1994	1995	1996	1997	2000	2005
m. Number of community recycling or reuse education seminars conducted					105	140	165		
n. Gallons of Do-it-Yourselfer (DIYer) used oil recycled				55,954	223,363	279,113			

4. Improve the timeliness and increase the efficiency of site cleanup and emergency response.

Performance Measures	1980	1990	1993	1994	1995	1996	1997	2000	2005
a. Number of emergency response incident notifications received:									
Annual		66	263	259	422	451	468		
Cumulative		66	682	941	1363	1814	2282		
b. Number of known unapproved or contaminated waste sites:									
Known unapproved or contaminated waste sites					280	300	314		
National Priorities List (NPL) Superfund Operable Units					64	64	65		
Non-NPL sites					265	285	298		
c. Number of NPL Site Operable Units remediated (cumulative)		1	2	4	11	14	20		
d. Number of non-NPL waste site clean-ups completed					0	0	1		

5. Minimize the amount of radiation exposure and environmental contamination from radioactive materials.

Performance Measures	1980	1990	1993	1994	1995	1996	1997	2000	2005
a. Number of incidents exceeding regulatory dose limits involving worker exposure for high risk radiation workers in Utah				0		0	0		
b. Number of entrance skin exposures that exceed national data for the most common x-ray procedures (# exposures / # total procedures)					102/614	135/486			

Performance Measures	1980	1990	1993	1994	1995	1996	1997	2000	2005
c. Radon exposure to residences identified and mitigated through:									
Awareness			69%	71%		71%			
Tested			6%	7%		11%			
Testing during real estate transactions			33.9%	40%		24%			
Mitigated			1.7%	1%		12%			

G. UTAHNS WILL INCREASE THE ACCESSIBILITY, QUANTITY, AND QUALITY OF RECREATIONAL OPPORTUNITIES

1. Increase the capacity of the state parks systems, upgrade facilities and infrastructure, and enhance non-general fund state park revenues while maintaining the quality of the state park experience.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	DNR Target 2010
a. Percent of state parks meeting minimum development standards established by the Division of Parks and Recreation	46%	43%	54%	56%	57%			85%
b. Total state park system capacity attained for 6 major months -- April through September	68%	73%	80%	82%	86%			125%
c. Number of state park reservations and amount of reservation revenue per year	N.A.	8500/ none	24,100/ \$90,000	30,750/ \$124,300	23,710/ \$132,882			53,000/ \$371,000
d. Rounds of golf played each year	75,800	104,300	111,000	121,200	151,294			210,000

2. Increase the availability of recreational trails.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	DNR Target 2010
a. Miles of groomed snowmobile trails in Utah	580	750	860	881	910			1300
b. Miles of urban and rural trails constructed/improved under State Park trail/river funding grants					26 / 30			
c. Enhancement of trail and river way staging areas					16			
d. Miles of motorized trails funded under Off-Highway Vehicle grant program	N.A.	1890	5480	6100 (est)	6200			10,000 +

3. Increase park and recreation opportunities.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	DNR Target 2010
a. Ratio of percent of state park budget increases to growth in state population (% / %)	273/38 =7.184	78/37 =6.5	39/12 =3.25	4.5/2 = 2.25	3.5/4.0 = .88			62/29 =2.14
b. Percent of parks with Resource Management Plans/Park Management Plans	0%	5%	16%	20%	20%			87%

4. Improve and increase access to Utah recreational waters.

Performance Measures	1980	1990	1995	2000	2005	DNR Target 2010
a. Miles of public access to rivers provided through state park riverway projects						

5. Develop and adopt non-general fund funding methods to conserve and enhance recreation opportunities in Utah.

Performance Measures	1980	1990	1995	1996	1997	2000	2005	DNR Target 2010
a. Non-general fund revenues			11.9 M	12 M	12.7 M			
b. Percent of Division of Parks and Recreation's costs paid by non-general fund revenues	22%	51%	53%	52%	48%			58%
c. Estimated value of volunteer hours to the division	82,500 est.	330,000	740,000	1.2 M	623,000			2.03 M
d. Number of private concession contracts in state parks	5	9	14	16	31			28
e. Ratio of expenditures incurred to revenue received	16%	33%	38%	42%	44%			56%

6. Educate and certify boating and off-highway vehicle users to assure a safe, enjoyable, and environmentally non-destructive experience.

Performance Measures	1980	1990	1995	1996	2000	2005	DNR Target 2010
a. Boating accidents as a percent of boating registration in Utah	.104 %	.137%	.168%	N.A.			.100%
b. User-generated boating revenues dedicated to the improvement of facilities, education, and access	\$.73 M	\$1.85M	\$2.3 M	\$3.1 M	\$2.64M		\$6.6 M
c. Increase in numbers of Boating/Personal Watercraft youth certifications -- beginning in 1994-1995 (OHV over PWC)	N.A.	2500/ N.A.	10,432/ 785	11,839/ 2943	12,980/ 2441		17,000/ 25,334

H. ASSURE THE FUTURE OF WILDLIFE FOR RECREATIONAL, SCIENTIFIC, ECONOMIC, EDUCATIONAL AND INTRINSIC VALUES

1. Identify and protect critical wildlife habitat, including riparian zones along streams.

Performance Measures	1980	1990	1994	1995	1996	2000	2005	2010
a. Number of identified areas of critical wildlife habitat			8	40	90			
b. Number of acres of critical habitat secured			1100	10,000	2500			

2. Manage and conserve Utah's wildlife and its habitats for present and future generations.

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	2010
a. Number of habitat management plans developed and implemented		3	21	40	80				
b. Number of wildlife management plans developed and implemented			31	32	34	36			
c. Number of ecosystem management plans developed and implemented			0		0				

3. Maintain a broad public awareness of wildlife and its value to Utah's quality of life and economy.

Performance Measures	1980	1990	1995	1996	2000	2005	2010
a. Number of people aware of wildlife and its value to Utah's quality of life and economy	959,000	736,000	500,000	558,000			

4. Perpetuate the traditional sports of hunting and fishing while simultaneously recognizing and providing for additional recreational, scientific, economic, educational, and intrinsic benefits of wildlife.

Performance Measures	1980	1990	1994	1995	1996	2000	2005	2010
a. Number of recreational fishing days (in millions)		2.5		3.95	4.9			
b. Number of recreational hunting days (in millions)	3.2	1.3		1	1.66			
c. Number of nonconsumptive wildlife recreation days	3.1 M	2.98 M			2.8 M			

5. Maintain the state's "management authority" and jurisdiction over wildlife in Utah while developing and fostering partnerships with federal,

state and local governments, private businesses and citizens.

Performance Measures	1980	1990	1994	1995	1996	1997	2000	2005	2010
a. Number of completed Conservation Agreements for sensitive wildlife species			1		3	5			
b. Number of completed cooperative habitat projects			13	100	100				

6. Increase the number of Class I and II stream and lake fisheries.

Performance Measures	1980	1990	1994	1995	2000	2005	2010
a. Number of Class I and II stream and lake fisheries			4,038mi 391,988 a				

7. Provide the public with increased awareness of the availability and accessibility of wildlife resources.

Performance Measures	1980	1990	1994	1995	2000	2005	2010
a. Percent increase in access to wildlife resources			19%				

I. PROTECT, CONSERVE, AND DEVELOP UTAH'S AGRICULTURAL RESOURCES

1. Protect agricultural land as a way to protect open space.

Performance Measures	1980	1990	1995	1996	2000	2005	2010
a. Agricultural land lost (in acres)				41,000	42,700		
b. Farmland protected in acres				5237	2000		
c. Number of entities/partnerships with open space protection programs			10	10	20		
d. Number of publications/articles promoting agricultural land and wildlife habitat protection			10	10	25		

Performance Measures	1980	1990	1995	1996	2000	2005	2010
e. Number of educational projects promoting agricultural land and wildlife habitat protection				5	10		

2. Encourage production in Utah of a sustainable supply of food and fiber.
3. Improve the desirable forage plants on rangeland while encouraging the use of best management practices that protect and enhance the soil and water resources.

Performance Measures	1980	1990	1993	1995	2000	2005	2010
a. Cultivated acreage in farm production	1,202,300	1,041,800	1,082,700	11 M	10.9 M		
b. Number of farms in production	13,500	13,200	13,000	13,400	13,300		
c. Number of farm acres taken by annexation and/or public ownership							
d. Number of practices applied that achieve 51% ground cover with desirable plants							

4. Enhance Utah's farmers and ranchers efforts to conserve soil and water.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Number of soil/water conservation projects			1120	1300		
b. Amount of acreage benefitting from projects			109,900	130,000		
c. Average decrease in soil erosion			332,000	370,000		

5. Ensure consumers of a safe, wholesome, properly labeled supply of food, fiber, and other agricultural commodities.

Performance Measures	1980	1990	1994	1995	1996	2000	2005	2010
a. Percent of products and services in compliance with federal/state laws and rules (inspections/% compliance):								
Food establishments		2048/98%	2094/98%	2375/97%	3111/95%	3266/97%		
Motor fuel dispensers				20,000/95%	21,250/96%	22,312/96%		
Weighing devices			7914/95%		8600/96%	9030/96%		
Meat/poultry processing plant reviews with Hazard Analysis at Critical Control Points (HACCP)		529/98%	538/97%	8105/95%	1158/97%	1215/97%		
Red meat pathological tests (e.coli, salmonella, & other pathogens)					587/98%	587/98%		
Dairy farms		693/98%	637/98%	1158/97%	1720			
Dairy plants		31/100%	35/99%	587/98%	2053/95%			
Animal feed products tested			469/88%	41/98%	93/97%			
Ground beef samples tested for %fat	1786	895		1720	400/95%	435/95%	465/95%	
Agricultural ground water samples				2942	639/93%	670/95%		
Milk samples				28,889	6559/98%	6886/98%		

6. Ensure healthy and safe livestock, commercial wildlife, poultry, aquaculture and domestic pets.

Performance Measures	1980	1990	1994	1995	2000	2005	2010
a. Percent of herds/animals/poultry that are disease free:							
Cattle (brucellosis)		99.1%	99.3%	100%	100%		
Swine (pseudorabies)		100%	100%	100%	100%		
Poultry							
Commercial Elk							
b. Lost livestock returned				2723	3000		
c. Percent of disease free aquaculture operations				95%	100%		
d. Number of livestock/wildlife units protected from depredation				605,000	620,000		
e. International health certificates issued				1000	1200		
f. Percent of rabies-free domestic pets				100%	100%		

7. Ensure consumers of plants, grains, and seeds that are disease free and pest free, as well as properly labeled agricultural commodities, and

safe application of pesticides and farm chemicals.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Percent of products and services in compliance with federal and/or state laws and rules: (inspections/score):						
Pesticide applicators			2901/93%	2994/94%		
Seeds inspected			1688/96%	1738/96%	1765/95%	
Fertilizers inspected			294/94%	300/95%	310/95%	
Nurseries inspected			530/90%	535/92%	550/95%	
Grading and market inspections			17,721	18,000	18280/97%	
Plant quarantine import/export inspections			607	750		
Number of agricultural insect pests surveyed and detected (gypsy moth et al.)			8	9		

J. DEVELOP AND USE WISE MARKETING STRATEGIES THAT ADD VALUE TO UTAH-GROWN PRODUCTS

1. Enhance our agricultural resources, production capabilities, and marketing opportunities.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Percent increase in use of "Product of Utah" program development			10%	10%		
b. Total sales of raw farm products			\$815,400	\$1 B		
c. Total value to Utah economy of processed agricultural products (multiplier effect)			\$2.6 B	\$3.2 B		
d. Total value of Utah agricultural commodities and processed foods exported internationally (in millions)			\$154	\$200		
e. Number of agricultural commodity-related marketing directories			1	5		
f. Number of private or state applications for USDA Market Access program funds for export development			4	10		
g. Amount of federal/state assistance for brand name and generic export market development			125,000	300,000		
h. Number of agricultural related processing plants established in the past 5 years			2	4		

Performance Measures	1980	1990	1995	2000	2005	2010
i. Increased number of farmers' markets			1	3		
j. Percent of population who prefer Utah grown products		93%		95%		
k. Number of topic areas in Utah Department of Agriculture internet homepage			10	25		

2. Enhance agriculture research projects in Utah for development of alternative products, and improve technology transfer.

Performance Measures	1980	1990	1995	2000	2005	2010
a. Number of agricultural research projects			20	20		
b. Number of products developed from new technology			10	20		
c. Number of technology fairs			2	4		

3. Increase Utahns' understanding of the link between farming and ranching and their daily food/fiber supply.

Performance Measures	1980	1990	1995	1996	2000	2005	2010
a. Number of students receiving "Agriculture in the Classroom" lessons				2500	3750		
b. Number of "Agriculture in the Classroom" teacher in-service sessions				100	110		