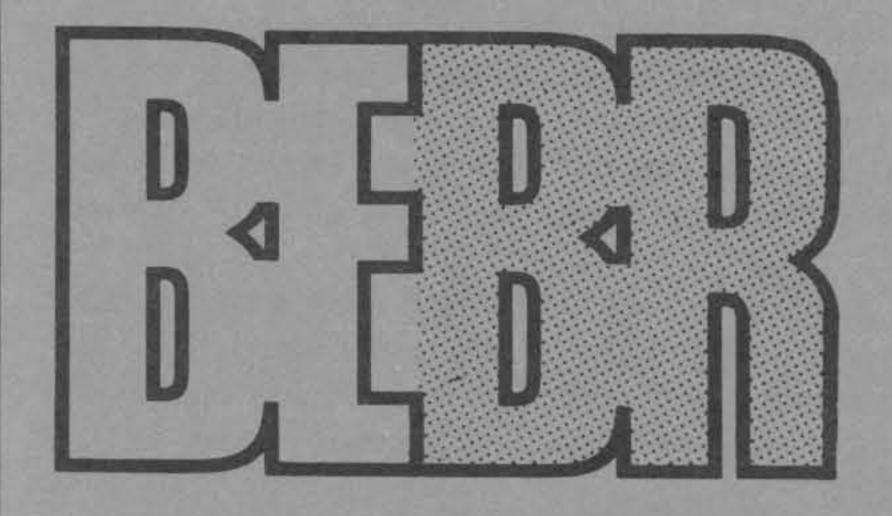


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# ESTABLISHMENT OF THE UNIVERSITY OF UTAH RESEARCH PARK

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# ORIGINATION OF THE RESEARCH PARK

In November of 1964, Secretary of Defense Robert McNamara announced that Fort Douglas, a 102-year-old military reservation in Salt Lake City, would be closed July 1, 1967. All defense missions of the Fort, with the exception of Reserve and National Guard activities, were to be relocated to other military installations and any surplus land transferred to the highest and best nondefense use.

In response to Secretary McNamara's announcement, Governor Rampton created the Fort Douglas Study Committee, chaired by David K. Watkiss. The committee was created to evaluate and prioritize proposals by local groups seeking title to the Fort's surplus land. The Committee evaluated 33 requests by various government agencies and private interests regarding the disposition of the surplus land. In early 1966, the Watkiss Committee recommended that the highest and best use of the "vacant but developable lands" would be for expansion of Pioneer Monument State Park (now known as Pioneer Trails State Park), academic expansion of the University of Utah and a research park associated with the University.

Following the Watkiss Committee recommendations the University of Utah made application to the Bureau of Land Management for title to surplus land for a research park and academic expansion. The purpose of the research park, as stated in the application, was to "strengthen the academic program of the University of Utah" by fostering research, technology and employment interaction between Park tenants and the University.

On October 18, 1968 the University of Utah was granted title to 594 acres of the Fort Douglas Military Reservation for \$2.50/acre. Of the 594 acres, the University was required to grant 65 acres to the Division of State Parks for expansion of Pioneer Monument State Park, approximately eight acres were integral to the campus, and 45 acres were

contiguous to the Medical Center and considered as a reserve for future expansion. The remainder of the grant intended for the development of the research park included approximately 80 acres of steep, mountainous lands, 20 acres set aside for married-student housing, six acres for a city reservoir, 18 acres for the State Arboretum, and 25 acres for roads and rights-of-way. These uses reduced the tract available for the research park to 325 acres. At the time the estimated value of the 325 acres of developable land was \$15,000 to \$20,000 per acre for a total value of between \$5 million and \$6.5 million.

Following the transfer of land to the University of Utah, the 1969 session of the Utah State Legislature passed legislation to "authorize and facilitate establishment of a research park on the property conveyed to the University of Utah under patent from the United States of America dated October 18, 1968".1 Legislation authorized the University to administer the research park through a nonprofit foundation (the Research Foundation), granted powers to develop, maintain and operate the park and exempt from taxation the land "lying within the research park" as long as the land remains undeveloped. However, "any lands that are leased to persons or parties not otherwise exempt from property tax must, by terms of the lease, make an annual contribution to Salt Lake City in lieu of taxes which otherwise would be imposed of such property."2 This "in lieu of' provision was important in the municipal service agreement between the Research Park and Salt Lake City. With the prospect of future in lieu contributions, the city agreed to absorb the frontend costs of the development of roads, water, sewer and drainage systems.

Under the terms of the land transfer the University of Utah could develop a research park but the land could not be sold; only long-term land leases (40 to 50 years) were permitted. At the end of the land lease any building(s) on the property, whether owned by a developer, a private company or government agency would revert to the University of Utah.

This "reversion clause", patterned after a similar clause used by the Stanford Research Park, is very advantageous to the University. Eventually every building in the Research Park will be owned by the University of Utah. Since the first buildings in the Park were not developed until 1972 no buildings have yet reverted to University ownership.

But in time the University will receive substantial revenue from both buildings and lands. Currently, revenue from leased land is used by the Research Foundation to support the operation of the Park and academic activities and projects on campus.

# Original Criteria for Occupancy

In the 1968 application to the federal government for surplus lands the University did not establish specific criteria for occupancy, i.e., what type of business activity would be allowed in the park. General instructions were given to screen occupants "to assure that their presence would add to and be consistent with the academic environment—in other words, a high intellectual and research content must be present in any permitted park activities". More specific and detailed criteria for occupancy were developed by the University and approved by the Institutional Council once the land transfer was complete.

The original criteria for occupancy have been modified twice, in 1979 and again in 1997. However, each set of criteria have been consistent in requiring activities that are nuisance- free and clean with respect to smoke, noise, noxious gases, vibration, odors, radiation, etc. Physical facilities are required to be attractive and comply with the protective covenants and be consistent with the current Master Plan for the Research Park. Nonuniversity operations "will be substantially research development and/or technology oriented". In addition, business services, such as a hotel, restaurants, conference center, etc. that provide support to other park tenants are also permitted. "Any product manufacture or assembly shall be limited to prototype development or to the assembly of high technology products which are clearly related to on-site research and development activities. No tenant exclusively engaged in manufacturing or assembly shall be permitted to occupy space in the Park."

It should be noted that the criterion used by the University of Utah Research Park for research and technology companies is more restrictive than most research parks. For example, very few research parks limit manufacturing to manufacturing associated with on-site R&D. Most major parks, including Stanford, allow manufacturing of high technology products even though no R&D is performed on-site. The outcome of the Research Park's restrictive manufacturing criterion is a park

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dominated by home-grown research and technology companies with origins at the University, e.g., Evans & Sutherland, ARUP, TheraTech, Myriad Genetics and Terra Tek.

# DEVELOPMENT HISTORY OF THE RESEARCH PARK

In 1970, construction began on the first two buildings in the Research Park; a 52,000 square-foot building at 520 Wakara Way and a 14,500 square-foot building at 420 Wakara Way. The following year more than 200 people were employed by the first tenants of the Park; Utah Biological Test Laboratory, Evans & Sutherland and Terra Tek. The Park now has 31 buildings containing almost 2.1 million square feet of space, housing 64 tenants with nearly 4,900 employees. A 1996 statistical profile of the Park is given below:

#### Statistical Profile

(excludes Bureau of Mines building and land)

Leasable acres	240 acres
Leased acres	156 acres
Acres remaining to develop	84 acres
Average number of acres	
developed annually (1972-1995)	6 acres
Building square footage	2,073,750
Number of buildings	31
Number of tenants	68
Employment	4,859
Average size of private firm	109
Median size of private firm	20
Estimated turnover rate	
in square footage	40,000
Estimated vacancy rate	less than 2%
Five largest employers	
ARUP	820
Evans & Sutherland	780
Northwest Energy and subsidiar	ries 620
Neuropsychiatric Institute	300
TheraTech	187

After 25 years of development, 156 acres of the Park's 240 acres have been leased. The Park is nearly two-thirds completed; only 84 acres of undeveloped land remain. The 240 leasable acres are considerably less than the 325 acres included in the original land transfer of 1968. The difference is due to a transfer of some 40 acres to the Red Butte Arboretum for expansion and that portion of the Park set aside for utility and road

use. Given the amount of undeveloped land in the Park and the current pace of development it will take another 14 years to complete the Park. This build-out period could be two or three years shorter if the proposed new Museum of Natural History requires 15 to 20 acres of undeveloped Park land.

# Lands Leased and Employment Growth

The development history of the Park has been characterized by a steady and consistent pace of land absorption, new construction and employment growth. The Park's Master Plan, prepared shortly after the land transfer, emphasized the need for orderly development to "distribute (leases) over several years...so buildings will revert to the University in a continuous flow allowing adequate time for planning and revision of each facility."

During the first ten years of development (1972-1982) 829,000 square feet of building space was leased to Park tenants (Table 1). The annual data show a steady growth in the Park's leased square footage until 1982, when the completion of Northwest Energy's 295,000 square-foot building increased leased space in the Park by more than 50 percent. In the next ten years (1982-1992), the pace of development was at an almost identical rate; 869,250 square feet. During this second tenyear period there was also one year when leased space in the Park surged due to completion of large projects: the University Park Hotel and the Western Institute of Neuropsychiatry. The amount of land leased in each ten-year period was 64.4 acres and 62.1 acres respectively. Since 1992 another 30 acres of Park land have been leased. The pace of development in the Park has been very consistent, averaging between six and seven acres a year. The Park now has 156 leased acres with about 2.1 million square feet of building space.

The 2.1 million square feet of building space does not include the 109,000 square-foot Bureau of Mines building and associated 18 acres of land located at 729 Arapeen Way. Due to cutbacks in funding the Bureau of Mines discontinued their long-time operation in Salt Lake City and transferred title to their building and land to the Research Foundation. The Bureau of Mines had received this tract of land in 1968 at the same time the University of Utah received land for the Research Park. The building is currently being used by the School of Medicine.

Table 1

		and and Buil	lding Use	
	Square		Cumulative	Cumulative
	Feet	Acres	Square	Acres
<u>.</u>	By Year	By Year	Feet	Leased
1972	66.500	5.6	66.500	5.6
I 60	53,500	9.9	120,000	12.2
. <b>₩</b>	0	0.0	120,000	12.2
2	154,000	13.5	274,000	25.7
. 9	39,500	3.9	313,500	29.5
7	54,000	4.7	367,500	34.2
90	0	0.0	367,500	34.2
ာ	60,000	4.3	427,500	38.5
_	000 26	66	459 500	40.7
) r	04,000	9 O	100,000 100 100 1	44 B
٠ 6	295.000	19.8	831.500	64.4
i oo	160.000	10.4	991,500	74.8
4	0	0.0	991,500	74.8
	30,000	2.9	1,021,500	7.7.7
9	59,250	4.2	1,080,750	81.8
2	390,000	25.7	1,470,750	107.5
 <b>20</b>	64,000	3.6	1,534,750	111.1
6	134,000	12.1	1,668,750	123.1
0	32,000	3.4	1,700,750	126.5
-	0	0.0	1,700,750	126.5
2	0	0.0	1,700,750	126.5
က	63,000	7.3	1,763,750	133.8
₹	81,000	10.0	1,844,750	143.8
ຸດ	135,000	6.7	1,979,750	150.5
ý	93,000	5.4	2,072,750	155.9

Marketing the second of the

**Employment in Research Park** Table 2

	Annual	
	Increase in	Cumulative
Year	Employment	Employment
1973	219	219
1974	220	439
1975	361	800
1976	09	860
1977	125	985
1978	115	1,100
1979	105	1,205
6	l l	( (
1980	155	1,360
1981	340	1,700
1982	750	2,450
1983	215	2,665
1984	235	2,900
1985	100	3,000
1986	300	3,300
1987	100	3,400
1988	200	3,600
1989	350	3,950
1990	100	4.050
1991	150	4,200
1992	0	4,200
1993	150	4,350
1994	-50	4,300
1995	0	4,300
1996	550	4,850

University of Utah Research Park Source:

Employment growth in the Park has been less consistent, nevertheless the number of employees in the Park has increased in all but three years of the Park's history. The largest employment increase—750 employees—occurred in 1982 with the completion of the Northwest Energy building (Table 2). Park employment also jumped significantly in 1996 with the completion of the Huntsman Corporate Headquarters and new ARUP building, plus the purchase of Western Institute of Neuropsychiatry by the University of Utah.

During the 1992-1995 period, the Park suffered its worst period of employment growth. This lackluster employment performance is due to downsizing at Evans & Sutherland, Ford, Bacon and Davis, and the Western Institute of Neuropsychiatry. Large employment concentrations in a few firms leaves the Park vulnerable to wide swings in employment and vacancy rates. Fortunately, no major firm in the Park has been subject to downsizing on the scale of Novell and Word-Perfect—2,000 to 6,000 employees. Reversals of this magnitude would create several thousand square feet of vacant space in the Park and significantly slow down the pace of development.

## **Building Ownership**

Ownership of the 2.1 million square feet of space in the Park is divided into three categories: (1) owner-occupied (usually single tenant), (2) developer-owned and leased, and (3) University Research Foundation-owned and leased (Table 3). Currently, 39 percent of building space in the Park is owneroccupied, 13 percent is owned by the Research Foundation and the remaining 48 percent is owned by developers and leased to a variety of tenants. Evans & Sutherland has six buildings with 437,000 square feet of space and owns more space than any other landlord in the Park. The Research Foundation's largest building is the 109,000 square-foot Bureau of Mines building. Red Butte Creek Associates owns the largest single building in the park (295,000 square feet).

#### **Research Park Tenants**

Park tenants have been grouped into four categories: R&D-based companies, non-technology-based companies, support services firms and University of Utah colleges and departments. Unfortunately there is no time series that lists Park tenants for each year since 1972.

What is most striking from an analysis of the Park tenant data is the increase in employment by University colleges and departments between 1983 and 1996. During that period, University employees located in Research Park increased from 215 to 1,049. As a percent of total park employment University-related activity has increased from 8.0 percent to 21.6 percent (Table 4).

The increase in University employment has been almost entirely concentrated in School of Medicine and University Hospital-related activity. The single largest increase in employment occurred in 1994 when the Research Park Foundation purchased the Western Institute of Neuropsychiatry building for the University of Utah Hospitals and Clinics. The 250 employees of the Western Institute, a non-technology based company, became employees of the University of Utah, thus shifting employment from the non-technology employment sector to the University-related sector. In addition to the purchase of the Neuropsychiatric Institute, there has been University employment expansion in the Park for clinical activities, cancer screening, and long-term care services.

The increasing share of University-related activity in the Park, however, has not come at the expense of technology-based activity. The percent of employees in technology-based companies has been relatively constant; 56.7 percent in 1983 and 57.5 percent in 1996. Rather, it is the non-technology based companies that have lost employment share in the Park, declining from 34.5 percent of total employment in 1983 to 16.8 percent in 1996.

In October 1996, the Park's five non-technology based companies employed 816 people. Northwest Pipeline Corporation and its two subsidiaries; Kern River Gas and Williams Field Service, with a total of 620 employees, accounted for nearly 76 percent of the non-technology based employment in the park. The remaining four non-technology companies are: Huntsman Corporation, 100 employees; Primary Children's Medical Center residential treatment facility, 70 employees; Western States Coordinating Council, 18 employees; and Red Butte Gardens & Arboretum, eight employees.

There are only six support service firms currently located in the park. These firms employ 199 people; 4.1 percent of Park employment. The University Park Hotel, with 150 employees, accounts for 75 percent of service employment in the Park. The next largest service firm is Professional Child Care with 19 employees.

Table 3
Square Footage by Type of Ownership

•	Type of Ownership	Address	Building Sq. Footage
	Research Foundation		
	Bureau of Mines Building	729 Arapeen Drive	109,000
	Greenhouse	2166 Pollock Rd.	11,250
	Neuropsychiatric Institute	501 Chipeta Way	100,000
	U of U Telecommunications	606 Blackhawk Drive	16,500
	UBTL	520 Wakara Way	52,000
	Total		288,750
	Percent of Total Square Footage in Park		13%
	Owner Occupied		
	Evans & Sutherland	540 Arapeen Drive	40,000
	Evans & Sutherland	580 Arapeen Drive	60,000
	(Subleased to Westin Technology)		55,000
	Evans & Sutherland	560 Arapeen Drive	84,000
	Evans & Sutherland	650 Komas Drive	84,000
	Evans & Sutherland	600 Komas Drive	120,000
•	Evans & Sutherland	770 Komas Drive	•
	Huntsman Corporation	500 Huntsman Way	49,000
	Intermountain Health Care	497 Colorow Drive	81,000
	Kahler Corporation	· -	64,000
	Terra Tek	480 Wakara Way	170,000
	TheraTech	420 Wakara Way	14,500
	US Bank	575 Chipeta Way	63,000
_		505 Wakara Way	13,500
_	Potal		843,000
	Percent of Total Square Footage in Park		39%
]	Developer Owned		
	BF Enterprises	360 Wakara Way	25,000
]	BGK Realty	420 Chipeta Way	54,000
]	BGK Realty	410 Chipeta Way	54,000
	Boyer Company	310 Wakara Way	45,000
. ]	Boyer Company	500 Chipeta Way	85,000
	Boyer Company	546 Chipeta Way	135,000
(	Q&R Investments	390 Wakara Way	25,000
. ]	Red Butte Creek Associates	295 Chipeta Way	295,000
	Research Park Associates	421 Wakara Way	48,000
]	Resource Enterprises	400 Wakara Way	23,000
•	Wakara III	417 Wakara Way	76,000
•	Wakara III	419 Wakara Way	30,000
_	Wakara II	423 Wakara Way	48,000
•	Woodbury Realty	391 Chipeta Way	37,000
	Woodbury Realty	375 Chipeta Way	64,000
	<b>Fotal</b>	, , , , , , , , , , , , , , , , , , ,	1,044,000
_	Percent of Total Square Footage in Park		48%

Source: University of Utah Research Park

A majority of Park employment has traditionally been in R&D based firms. In 1996, R&D employment totalled 2,795; 57.5 percent of Park employment. There are currently 24 R&D firms in the Park but nearly 80 percent of this employment is concentrated in six firms. They are: ARUP, 820 employees; Evans & Sutherland, 780 employees; TheraTech, 187 employees; Myriad Genetics, 170 employees; CEntry, 159 employees; and Natural Product Sciences, 100 employees.

As shown, employment in the University of Utah Research Park is characterized by job concentration in a few large firms. A look at the median versus average size of the 35 private firms located in the Park emphasizes the employment concentration in a few large firms within the Park. The median size of a private firm in 1996 was 20 employees while the average size was several times larger at 109 employees. The few very large firms act to pull up the average far beyond the median.

	<u>1983</u>	<u>1986</u>	<u>1991</u>	<u>1992</u>	<u>1996</u>
Average	88	58	79	100	109
Median	15	6	16	20	20
Number of					
Private Fir	ms 28	50	41	36	35

The number of tenants, including University Departments, in the Park in 1996 is 68, only slightly higher than the number ten years ago. During the mid-eighties, the incubator concept resulted in an increase in many small companies in the Park. Consequently, the number of tenants in 1986 was 65 but the median size of private firms, at the time, fell to only 7 employees, down from 15 in 1983. Over the last several years the total number of tenants in the Park has remained in the range of 60-to-70 firms. During this period, a few large firms have expanded employment while there has been considerable turnover in the tenant base of small firms.

Due to insufficient data, turnover rates for the Park can not be calculated. But fragmentary information and impressions of Research Park management indicate that the annual turnover rate is approximately 40,000 square feet. Most of this space is leased by small users. These small high-tech firms have a fairly high mortality rate, contributing to turnover in the Park. There are a few firms that have left the Park and are still

operating in Utah. A survey of some of these firms shows that the principal reasons for leaving the Park were: (1) high rental rates, (2) outgrew space and (3) didn't need proximity to campus.

#### To summarize:

- The percent of Park employment in R&D-based firms has been slightly less than 60 percent for the past several years.
- There has been a dramatic increase in the percent of Park employment for University-related activity, particularly University of Utah Hospitals and Clinics.
- There are only five firms in the Park that do not qualify as R&D-based, support services or University-related. These firms have about 16 percent of Park employment.
- Park employment is concentrated in a few large firms.
- Of those firms that have left the Park and are still in operation the principal reason for leaving the Park was high rental rates

### Success of the University of Utah Research Park

The success of the University of Utah Research Park is demonstrated by the Park's ranking and prosperity compared to other research parks, complementary role in the local real estate market, higher-than-market lease rates, increasing land values, and the consistently high occupancy rate of its buildings.

The University of Utah Research Park, created by State legislation in 1969, is among the very early research parks in the country. The concept was originated by Stanford University, which established its park in 1951. In 1969, the University of Utah's Research Park became the seventeenth university-related research park established in the United States. Today there are over 130 parks in the U.S. that have some affiliation with a university.

The success of the University of Utah Research Park is confirmed by its ranking among existing parks. In terms of leased square footage and total employment the University of Utah Research Park ranked twelfth among all parks in the United States in 1994 (Table 5).

The Research Park, while at times viewed by some developers as unfair competition, has actual-

Type of Activity

·.	Techn	Technology Based	Non-Technology Based	hnology	Support	port ices	Ue	ofU	To	Total
Year	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1983	1,515	2.99	921	34.5	19	0.7	215	8.1	2,762	100.0
1986	2,077	64.1	773	23.8	62	1.9	330	10.2	3,332	100.0
1991	2,485	58.8	906	21.4	208	4.9	630	14.9	4,314	100.0
1992	2,483	58.9	904	21.4	196	4.6	633	15.0	4,301	100.0
1996	2,795	57.5	816	16.8	199	4.1	1,049	21.6	4,937	100.0

TOP FIFTEEN UNIVERSITY-RELATED RESEARCH PARKS IN THE UNITED STATES

Figure 1         Secrotices         U of U         Total         Total         Total         Total         Total         Number         Percent Percent Percent Percent Number         Number Percent Number Nu	· ,		Techno	ology	Non-1	Non-Technology		Support				
		. •	Bas	์ ซ		Based		rvices	Uoft	J.	Total	
1965   2,077   64.1   773   23.8   62   1.9   350   10.2   3,352   100.0     1966   2,077   64.1   773   23.8   62   1.9   350   10.2   3,352   100.0     1962   2,483   58.9   904   21.4   208   4.1   1,049   21.6   4,37   100.0     1962   2,483   58.9   904   21.4   208   4.1   1,049   21.6   4,37   100.0     1965   2,795   57.5   816   16.8   199   4.1   1,049   21.6   4,37   100.0     2,483   58.9   904   21.4   20.8   4.1   1,049   21.6   4,37   100.0     2,483   58.9   57.5   816   16.8   199   4.1   1,049   21.6   4,37   100.0     2,795   7704   Research Park   1984   4.1   1,049   1.0   1.0   1.0     2,483   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0   7.0     2,795   7704   Research Park   1984   4.1   1,049   1.0   1.0   1.0   1.0     2,483   7.0   7		Year	Number		Numbe	Per				븠		cent
1992   2,456   58.8   906   21.4   20.8   4.9   630   10.2   3,332   100.0     1992   2,456   58.8   906   21.4   20.8   4.9   630   14.9   4.31   100.0     1992   2,456   58.9   904   21.4   196   4.6   633   15.0   4.301   100.0     1992   2,456   57.5   316   16.8   199   4.1   1,049   21.6   4.301   100.0     1992   2,456   57.5   316   16.8   199   4.1   1,049   21.6   4.301   100.0     1994   2,456   57.5   316   16.8   199   4.1   1,049   21.6   4.301   100.0     1995   2,456   57.5   316   16.8   199   4.1   1,049   21.6   4.301   100.0     1996   4.6   4.6   4.6   4.6   4.6   4.6   4.6   4.301   100.0     1996   4.6   4.6   4.6   4.6   4.301   100.0     1996   4.6   4.6   4.6   4.6   4.301   100.0     1996   4.6   4.6   4.6   4.6   4.301   100.0     1996   4.6   4.6   4.6   4.6   4.301   100.0     1996   4.7   4.4   4.301   4.301   4.301   4.301   4.301     1996   4.7   4.4   4.4   4.4   4.301   4.301   4.301   4.301     1996   4.7   4.4   4.4   4.4   4.4   4.4   4.4   4.4     1996   4.8   4.8   4.4   4.4   4.4   4.4   4.4   4.4     1996   4.8   4.8   4.4   4.4   4.4   4.4   4.4   4.4   4.4     1996   4.8   4.8   4.4   4.4   4.4   4.4   4.4   4.4   4.4     1996   4.8   4.4   4.4   4.4   4.4   4.4   4.4   4.4   4.4     1996   4.8   4.8   4.4   4.4   4.4   4.4   4.4   4.4   4.4   4.4   4.4     1996   4.8   4.8   4.4   4		1009	<u>ר</u> ת	7. 27.	60				215	8.1	2.762	100.0
1992   2,488   58.9   904   21.4   1906   4.6   633   15.0   4,311   100.0     1992   2,488   58.9   904   21.4   196   4.6   633   15.0   4,311   100.0     1992   2,786   57.5   81.6   16.8   199   4.1   1,049   21.6   4,397   100.0     1996   2,786   57.5   81.6   16.8   199   4.1   1,049   21.6   4,397   100.0     1996   2,786   57.5   81.6   16.8   199   4.1   1,049   21.6   4,397   100.0     1996   2,786   57.5   81.6   16.8   199   4.1   1,049   21.6   4,397   100.0     1996   2,786   2,786   2,888   2,888   2,888   2,888   2,888   2,888   2,888   2,888   2,888   2,888   2,888   2,890   2,300   2,300   2,488   2,890   2,300   2,488   2,890   2,490   2,40		1986	2.077	64.1	77				330	10.2	3,332	100.0
1995   2,483   58.9   904   214   196   4.6   683   15.0   4,301   1000		1961	2.485	28.8	<b>6</b>				630	14.9	4,314	100.0
Source: University of Utah Research Park   1649   216   4,837   10003	. :	1992	2.483	58.9	· 6				633	15.0	4,301	100.0
Table 5   Formation   Total Available   Park   Team   Total Available   Park   Team   Team	. <b>'</b> 	1996	2,795	57.5	81				1,049	21.6	4,937	100.0
Table 5    Sector		Source	_	Ę	arch Park.							
Table 5   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1994   1996   1999												
TOP FIFTEEN UNIVERSITY-RELATED RESEARCH PARKS IN THE UNITED STATES   1994   1994   1994   1994   1994   1994   1994   1994   1994   1962   2,800   2,800   1,4,700,000   Not-for-profit   23,000   University Gesearch Park   1962   3,600   2,800   800   Lease   5,000,000   Not-for-profit   1,000   University Gesearch Park   1962   3,600   600   For sale   7,000,000   Not-for-profit   1,000   University of Alabam University Research Park   1963   3,200   Sale or Lease   5,000,000   Not-for-profit   1,000   University of Alabam University Research Park   1963   1,800   2,800   Sale or Lease   5,000,000   Not-for-profit   1,000   University Alabam University Research Park   1963   1,800   2,800   Sale or Lease   5,000,000   Not-for-profit   1,000   University Chance Dark   1964   2,150   2,1							Tab	<u>1</u>				
Year   Total   Available   Sq. Ft.   Ownership   Emp.   Affiliation   Est.   Acrees   acrees   Terms   Sq. Ft.   Ownership   Emp.   Affiliation   Affiliation   Est.   Acrees   acrees   Terms   Sq. Ft.   Ownership   Emp.   Affiliation   Affiliation   Est.   Acrees   acrees   Terms   Sq. Ft.   Ownership   Emp.   Affiliation   Affiliation   Est.   Acrees   acrees   Terms   Sq. Ft.   Ownership   Emp.   Affiliation   Affiliation   Emp.   Affiliation   Affiliation   Emp.   Affiliation   Affi				TOP FIFT	EEN UNI	VERSITY.	ATED	SEARCH PA	RKS IN THE L	NITED ST	LATES	
Year         Total         Available         Building         Type of         Emp.         Affiliation           Fost         Acres         acres         Terms         Sq. Ft.         Ownership         Emp.         Affiliation           ricesearch Triangle Park         1978         2,600         na         20,000,000         Not-for-profit         32,000         University of Callion           teasearch Triangle Park         1951         735         6,800         2,300         For lease         9,600,000         Not-for-profit         2,00         University of Callion           Jummings Research Park         1962         3,500         600         For sale         1,000,000         Not-for-profit         2,00         University of Alabaa           Aumings Research Park         1963         3,200         800         Lease         6,100,000         Not-for-profit         2,00         University of Alabaa           Austland Technology Park         1983         1,800         280         Sale or Lease         5,600,000         Not-for-profit         5,00         Oakland University of Urah           Aferto Tech         1974         2,150         479         Sale or Lease         2,401,700         Not-for-profit         4,700         Polyto-or <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>T.</td><td></td><td></td><td></td><td></td></td<>								T.				
Fight         Acrees         Terms         Sq. Ft.         Ownership         Emp.         Affiliation           reine Spectrum         1978         2,600         na         20,000,000         na         20,000,000         na         32,000         University of Cablifon           teasearch Triangle Park         1959         6,800         2,300         For sale         14,700,000         Not-for-profit         26,000         Duke, No. Carolina, aspon of the carolina, aspon				Year	Total	Available		Building	Type of			
roine Spectrum         1978         2,600         na         20,000,000         na         32,000         University of Califon Leasenth Triangle Park         1959         6,800         2,300         For sale         14,700,000         Not-for-profit         35,000         Duke, No. Carolina, stanford Research Park         1951         735         6         For lease         9,600,000         For-profit         20,000         Duke, No. Carolina, stanford Research Park         1962         3,600         600         For sale         7,000,000         Not-for-profit         20,000         University of Alabaa           University Research Park         1968         3,200         800         Lease         6,000,000         Not-for-profit         11,000         University of Alabaa           Anisand Technology Park         1983         1,800         280         Sale or Lease         5,600,000         Not-for-profit         11,000         University of Alabaa           Akinocton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         14,000         Polytechnic University of University of Utah           Tri-Cities Science Park         1970         2,600         na         2,401,700         Not-for-profit         4,750         University of Utah           Oak Ridge/Knoxyill				Est.	Acres	acres	Terms	Sq. Ft.	Ownership	Emp.		Affiliation
tesearch Triangle Park         1959         6,800         2,300         For lease         14,700,000         Not-for-profit         33,000         Duke, No. Carolina, tanford Research Park           thanford Research Park tranford Research Park         1951         735         6         For lease         9,600,000         Not-for-profit         20,00         University of Alabar           nummings Research Park Light         1962         3,200         600         For sale         7,000,000         Not-for-profit         20,00         University of Alabar           nummings Research Park Light         1963         3,200         800         Lease         6,000,000         Not-for-profit         10,00         Iniversity of Alabar           Akland Technology Park Light         1983         1,800         238         Sale or Lease         5,000,000         Not-for-profit         15,000         Princeton University of Iniversity of Iniv	1. Irvine St	sectrum		1978	2,600	na		20,000,000	na	32,000		California Irvine
tanford Research Park         1951         735         6         For lease         9,600,000         For-profit         26,000           hummings Research Park         1962         3,600         600         For sale         7,000,000         Not-for-profit         22,000           Iniversity Research Park         1968         3,200         800         Lease         6,100,000         Not-for-profit         11,000           Aukland Technology Park         1983         1,800         280         Sale or Lease         5,600,000         na         6,000           rinceton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         10,000           Arinceton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         10,000           Arinceton Forrestal Center         1986         16         3         Lease         3,650,000         na         14,000           Aricotites Science Ctr.         1960         2,600         na         2,401,700         Not-for-profit         4,750           University of Utah Res. Park         1970         320         112         Lease         1,560,455         na         4,500           Oak Ridge/Kno	2. Research	1 Triangle	Park	1959	6,800	2,300	For sale	14,700,000	Not-for-profit			olina, No. Carolina State
vummings Research Park         1962         3,600         600         For sale         7,000,000         Not-for-profit         22,000           Iniversity Research Park         1968         3,200         800         Lease         6,100,000         Not-for-profit         11,000           Ausisana Biomedical Res.         1991         116         na         na         6,000,000         Not-for-profit         15,000           Akland Technology Park         1983         1,800         280         Sale         4,900,000         na         6,000           Arinceton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         10,000           Arinceton Forrestal Center         1986         16         3         Lease         3,600,000         na         14,000           Tri-Cities Science Park         1990         2,600         na         2,401,700         Not-for-profit         4,750           University of Utah Res. Park         1970         320         112         Lease         1,860,455         na         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Mi	3. Stanford	Research	Park	1951	735	9		9,600,000	For-profit	26,000	_	ersity
Iniversity Research Park         1968         3,200         800         Lease         6,100,000         Not-for-profit         11,000           Auisiana Biomedical Res.         1991         116         na         na         6,000,000         Not-for-profit         15,000           Akland Technology Park         1983         1,800         280         Sale or Lease         5,600,000         na         6,000           Arinceton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         10,000           Actro Tech         1986         1,600         2,600         na         2,401,700         Not-for-profit         7,000           University Gity Science Ctr.         1963         17         na         na         2,000,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1970         320         112         Lease         1,860,000         Not-for-profit         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,360,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         1,027         313         Sale or Lease         1,158,000         Not-for-profit         2,00	4. Cummin	gs Resear	ch Park	1962	3,600	909	For sale	7,000,000	Not-for-profit		-	Alabama
outsiana Biomedical Res.         1991         116         na         na         6,000,000         Not-for-profit         15,000           Aakland Technology Park         1983         1,800         280         Sale         4,000,000         na         6,000           Trinceton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         6,000           fetro Tech         1986         1,600         1,600         1,000         na         14,000           Tri-Cities Science Park         1990         2,600         na         na         2,401,700         Not-for-profit         7,000           University City Science Ctr.         1963         1,7         na         2,000,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1982         6,000         na         na         1,560,455         na         4,500           Minnesota Technology Ctr.         1986         1,027         313         Sale or Lease         1,560,000         Not-for-profit         2,000           Minnesota Technology Ctr.         1986         1,29         na         1,158,000         Not-for-profit         2,000	5. Universi	ty Resear	ch Park	1968	3,200	800	Lease	6,100,000	Not-for-profit			rlotte
bakland Technology Park         1983         1,800         280         Sale or Lease         5,600,000         na         6,000           Princeton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         10,000           fetro Tech         1986         16         3         Lease         3,650,000         na         14,000           Tri-Cities Science Park         1990         2,600         na         na         2,401,700         Not-for-profit         7,000           University City Science Ctr.         1963         17         na         na         2,000,000         Not-for-profit         4,750           University of Utah Res. Park         1970         320         112         Lease         1,850,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1982         6,000         na         na         1,560,455         na         4,500           Minnesota Technology Ctr.         1986         1,027         313         Sale or Lease         1,300,000         Not-for-profit         2,000           Minnesota Technology Ctr.         1986         1,027         1,158,000         Not-for-profit         2,000	6. Louisian	a Biomed	ical Res.	1991	116	na		6,000,000				sity, LSU
Princeton Forrestal Center         1974         2,150         479         Sale         4,900,000         na         10,000           fetro Tech         1986         16         3         Lease         3,650,000         na         14,000           Tri-Cities Science Park         1990         2,600         na         na         2,401,700         Not-for-profit         7,000           University of Utah Res. Park         1970         320         112         Lease         1,850,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1982         6,000         na         na         1,560,455         na         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         129         na         na         1,1158,000         Not-for-profit         2,000	7. Oakland	Technolo	gy Park	1983	1,800	280	or Lea		na	6,000		ersity
fetro Tech         1986         16         3         Lease         3,650,000         na         14,000           Tri-Cities Science Park         1990         2,600         na         na         2,401,700         Not-for-profit         7,000           University City Science Ctr.         1963         17         na         na         2,000,000         Not-for-profit         4,750           Oniversity of Utah Res. Park         1970         320         112         Lease         1,850,000         Not-for-profit         4,500           Oak Ridge/Knoxville         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         129         na         na         na         1,158,000         Not-for-profit         2,000	8. Princeto	n Forrest	al Center	1974	2,150	479	Sale	4,900,000	បន	10,000	Princeton U	versity
Tri-Cities Science Park         1990         2,600         na         na         2,401,700         Not-for-profit         7,000           University City Science Ctr.         1963         17         na         na         aa         2,000,000         Not-for-profit         6,500           University of Utah Res. Park         1970         320         112         Lease         1,850,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1982         6,000         na         na         1,560,455         na         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         129         na         na         1,158,000         Not-for-profit         2,000	9. Metro To	ech .		1986	16	က	Lease	3,650,000	na	_		niversity
University City Science Ctr.         1963         17         na         na         na         2,000,000         Not-for-profit         6,500           University of Utah Res. Park         1970         320         112         Lease         1,850,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1982         6,000         na         na         1,560,455         na         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         129         na         na         1,158,000         Not-for-profit         2,000	10. Tri-Citi	ies Scienc	e Park	1990	2,600	na	na	2,401,700	Not-for-profit		-	tate Univer
University of Utah Res. Park         1970         320         112         Lease         1,850,000         Not-for-profit         4,750           Oak Ridge/Knoxville         1982         6,000         na         na         1,560,455         na         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         129         na         na         1,158,000         Not-for-profit         2,000	11. Univen	sity City &	-	1963	17	na	na	2,000,000	Not-for-profit		•	
Oak Ridge/Knoxville         1982         6,000         na na         1,560,455         na         4,500           Central Florida Res. Park         1980         1,027         313         Sale or Lease         1,300,000         Not-for-profit         4,000           Minnesota Technology Ctr.         1986         129         na         na         1,158,000         Not-for-profit         2,000	12. Univer	sity of Uta	th Res. Park	1970	320	112	ę,	1,850,000	Not-for-profit		•	Utah
Central Florida Res. Park 1980 1,027 313 Sale or Lease 1,300,000 Not-for-profit 4,000 Minnesota Technology Ctr. 1986 129 na na 1,158,000 Not-for-profit 2,000	13. Oak Ri	dee/Knox	rille	1982	6,000	па	na	1,560,455	na	4,500	-	<b>Tennessee</b>
Minnesota Technology Ctr. 1986 na na na 1,158,000 Not-for-profit 2,000	14 Centra	Florida	Res. Park	1980	1,027	313	Sale or Lea		Not-for-profit			Central Flo
	15 Minnes	ota Techī	sology Ctr.	1986	129	na		1,158,000	Not-for-profit	İ		Minnesota

ly played a relatively minor role in the Salt Lake County real estate market. Since 1975, the leasing activity in the Park has accounted for only about 8 percent of all office space leased in the county. Rather than posing unfair competition, the Research Park has, with its unique location, complemented the local real estate market. There is no substitute for the Research Park. Without the Park there would be no commercial/office space located within close proximity of the University. The unique location does result in slightly higher commercial lease rates in the Park. A lease-rate premium of about 10 percent is attributable to the location, access, parking and amenities of the Research Park.

Another measure of the success of the Park is the increasing value of the land in the Park. The appraised value of Research Park land has increased from \$20,000 per acre in 1971 to \$165,000 per acre in 1995. Land values are determined by independent appraisals and form the basis from which land leases are derived. Land leases are adjusted for inflation every five years using the Consumer Price Index.

The success of the Park is also demonstrated by the consistently high occupancy rate for buildings in the Park. Seldom have occupancy rates dipped below 95 percent. Building space in the Park generally outperforms space in the local market. For example, during the 1986-1989 recession, office building occupancy rates in Salt Lake County fell to as low as 80 percent. In contrast, during this period occupancy rates in the Park held up very well, never falling below 95 percent.

#### BENEFITS TO THE UNIVERSITY

In the University of Utah's application for the Research Park a list of ten ways the Park would benefit the academic programs of the University was included. The potential benefits listed were:

- (1) Greater research opportunities for faculty and graduate students.
- (2) Faculty consultantships.
- (3) New sources of faculty for seminars and classes.
- (4) Greater opportunities for joint Universityindustry research and development proposals.
- (5) More engineers and scientists available for "brainstorming".

- (6) More employment opportunities for graduates.
- (7) Added research and other equipment availability.
- (8) More users of University equipment such as computers, thus permitting the addition of more sophisticated and expensive instruments and other equipment.
- (9) More corporate donations to the University.
- (10) The buildings will revert to the University.

Periodically, the Research Park management has conducted surveys to evaluate the interaction between firms in the Park and the University. The first such survey was completed in January 1979. The seventeen non-university organizations located in the Park were surveyed; all firms responded. Since 1979, the Research Park administration has surveyed non-university tenants regarding their interaction with the University in 1987, 1993 and 1995. Unfortunately there was not complete consistency between the surveys, nevertheless, the results do give an indication of the interaction, over time, between private firms in Research Park and the University of Utah.

and	l the University of Uta	ah.			
		<u>1979</u>	<u>1987</u>	<u>1993</u>	<u>1995</u>
Pri	vate firms surveyed w	ho:			
(1)	use faculty as				
	consultants	76%	81%	75%	76%
(2)	participate in joint research projects with	h.			
	University Depts.	65%	65%	50%	67%
(3)	hire students or facu	lty			
	in research projects	82%	81%	75%	90%
(4)	make equipment/fina contributions to the	ncial			
	University	41%	70%	60%	70%
(5)	have specialized equi	ipment	used		
	in Univ. research	59%	35%	na	23%
(6)	have staff teaching classes or support graduate research	na	50%	na	43%
(7)		.,	30 %	11a	
(8)	engineers, M.D.s) employ University of	46%	40%	na	49%
	Utah graduates	19%	12%	na	22%

It is clear that the Research Park has benefitted University of Utah academic departments. As anticipated in the 1968 application, the Research Park has provided expanded research and consulting opportunities for faculty, an additional teaching resource, joint public/private research projects and employment opportunities for University graduates.

The interaction between firms in the Research Park and the University has been sustained at very high levels for nearly 20 years. The number of firms in the park using faculty members as consultants, participating in joint research projects and hiring students or faculty has been well above 50 percent and in some cases reaching as high as 80 to 90 percent.

# **Technology Transfer**

Another measure of the University/Research Park interaction is the number of firms in the Park whose technological origins can be traced to the University of Utah. Of the 23 private firms that are R&D based, only eight in 1996 do not have University of Utah origins.4 Most of these firms are smaller companies and therefore account for less employment. The Park's five largest employers in the R&D sector all have their origins at the University of Utah. They are: ARUP, Evans & Sutherland, TheraTech, Myriad Genetics and NPS, Inc. In terms of employment, the 15 firms with University origins employ 2,300 people or 88 percent of those working in the park's R&D firms. The 2,300 employees in 15 firms provide convincing evidence of the technology transfer role of the Research Park.

Although not all those companies "founded upon or licensees of University of Utah technology" have been tenants of Research Park, a substantial number have been. Some technology transfer of the University has been independent of the Park but the Park's singular role in technology transfer is demonstrated by the fact that nearly every major R&D company in the Park's history has been founded upon or been a licensee of University technology.

There have been a few out-of-state R&D firms locate in the Park; most notably the Westin Technologies Center. Another out-of-state company, Fansteel, a Chicago-based manufacturer of electronic and metal products and advanced structures located a research facility in the Park in 1973. The primary functions of the Salt Lake facility was materials R&D. The operation had close ties to the University; the research director, Dr. Guy Alexan-

der, served as an adjunct professor in the College of Mines and Earth Sciences. The company hired about 20 Utahns, many with University degrees in mining or metallurgy. There have been other small out-of-state R&D companies; Endotek (biomedical devices), Miami Serpentarium Laboratory (harvesting snake venom), and Newmont Metallurgical Services (metallurgy research lab). In most cases, these out-of-state R&D firms have also maintained a high level of interaction with the University.

The interaction between the Research Park and the University has been a fundamental ingredient in the emergence of many of Utah's most important high technology companies. These companies now either own or lease several hundred thousand square feet of space in the Park. The success of these companies and the commercialization of their technology has meant increased revenues from licensing agreements for the University Research Foundation. The final benefit from the success of Research Park companies will ultimately come when ownership of a particular company's physical facility reverts to the University. At that point the University will not only be receiving royalties from product sales but will also, as owner and landlord, receive rental revenue. When all buildings of the fully developed Park have reverted to the University significant amounts of rental income will be generated from the ownership of more than 3 million square feet of building space valued in today's market at close to \$400 million.

#### Notes

<sup>&</sup>lt;sup>1</sup> Utah Code annotated 53-31-57.

<sup>&</sup>lt;sup>2</sup> Utah Code annotated 53-31-61.

Research parks as defined by the Association of University Related Research Parks are not necessarily University-owned parks. The parks all have an affiliation with a university but may be privately owned and operated for-profit. The five categories of ownership used by the association are: university, government, for-profit, private not-for-profit, and joint venture.

<sup>&</sup>lt;sup>4</sup> Information regarding a firm's origins and association with the University of Utah was taken from surveys of Utah's high technology firms conducted bi-annually by the Bureau of Economic and Business Research, David Eccles School of Business, University of Utah, and from the University Technology Transfer Office.

UTAH DATA	Jan. '1996	Jan. 1997	% Change from Year Ago	12-Month Average This Year	12-Month Average Last Year	12-Month Average % Change
Total Personal Income (seas. adj. at ann. rates, mil. of dol., qtly.)	37,055	NA	NA	NA	35,782	NA
New Corporations (no.) New Car, Truck, and Motor Home Sales (no.)	943 6,509	918 NA	-2.7 NA	736 NA	726 6 524	1.3
	0,509	MA	MA	MA	6,524	NA
Agriculture						<del></del>
Lambs (cwt.)	75.00	95.00	26.7	89.58	77.89	15.0
Milk, All (cwt.) 1	13.30	12.20	-8.3	14.15	12,45	13.7
Barley (per bushel) Alfalfa Hay, Baled (per ton) 2	3.26 63.00	2.63 83.00	-19.3 31.7	3.14 77.85	2.68 77.33	17.0 0.7
Commercial Red Meat Production (thous. of lbs.)	35,900r	34,500r	-3.9	34,482	35,199	-2.0
Construction		*************		000P7 h++00+d+++±+==		
Total Permit Construction (thous. of dol.)  Residential	229,091.5	196,493.9	-14.2	284,167.0	260,495.2	9.1
Nonresidential	141,413.1 63,661.0	114,203.0 57,364.0	-19.2 -9.9	173,108.7 78,790.1	157,506.9 68,857.0	9.9 14.4
Additions, Alterations, and Repairs	24,017.4	24,926.9	3.8	32,268.2	34,131.2	-5.5
New Dwelling Units (no.)	1,723	1,220	-29.2	1,936	1,837	5.4
Employment 3 (thous)		1 000 /		4 04 5 0		
Civilian Labor Force (thous.) Employed	993.3 961.7	1,023.6 989.7	3.1 2.9	1,013.0 <b>97</b> 9.9	989.0 955.8	2.4 2.5
Unemployed	31.7	33.9	6.9	33.1	33.3	0.5
Percent of Labor Force	3.2	3.3	3.1	3.3	3.4	-3.5
Nonagricultural Jobs (thous.) Mining	920.9 7.8	959.7 7.9	4.2	960.4	912.0	5.3
Contract Construction	55.0	56.3	1.3 2.4	7.9 61.9	8.1 55.5	2.3 11.6
Manufacturing	127.4	129.8	1.9	130.0	124.4	4.5
Transportation, Communications, and Utilities	52.0	54.8	5.4	53.8	51.6	4.3
Wholesale Trade Retail Trade	46.7 175.0	48.4	3.6	48.2	46.0	4.8
Finance, Insurance, and Real Estate	48.9	182.4 50.9	4.2 4.1	183.1 50.9	175.0 47.9	4.7 6.2
Services 4	242.7	260.3	7.3	257.2	239.6	7.4
Federal Government	30.6	29.9	-2.3	31.0	31.8	-2.7
State Government 5  Local Government 5	51.7 83.1	52.8 86.2	2.1 3.7	52.2	50.8	2.9
Average Weekly Hours	05.1	00.2	3.7	84.1	81.3	3.5
Mining	44.2	44.0	-0.5	44.9	44.7	0.6
Manufacturing	39.6	39.1	-1.3	40.3	39.7	1.3
Wholesale Trade Retail Trade	35.2 27.8	36.1	2.6	36.7	36.4	0.8
Amount of Unemployment Compensation (thous. of dol.)	8,113.1	27.1 8,076.9	-2.5 -0.4	28.3 5,905.8	28.4 5,258.2	~0.4 12.3
Finance (qtly.)		+4=4=======				
Total State and National Chartered In-State Banks (no.)	33	NA	NA	NA	33	NA
Total Assets (mil. of dol.) Total Liabilities (mil. of dol.)	17,557.1	NA NA	NA	NA	16,509.8	NA
Total Equity Capital (mil. of dol.)	16,133.2 1,423.9	NA NA	NA NA	NA NA	15,161.0 1,348.8	NA NA
Capital to Assets 6	9.16	NA	NA NA	NA NA	9.29	NA NA
Loan Loss Reserve Ratio	1.76	NA	NA	NA	1.85	NA
Loans to Assets Temporary Investment Ratio	59.60	NA NA	NA NA	NA	60.83	NA
Return on Assets	12.89 0.38	NA NA	NA NA	NA NA	15.32 0.34	NA NA
Production						
Crude Oil (thous. of bbls.)	1,661.6	1,624.2	-2.3	1,618.2	1,652.4	-2.1
Natural Gas (mil. of cu. ft.)	25,848.1	24,341.1	-5.8	24,058.4	25,127.9	-4.3
Coal (thous, short tons) Crude Oil to Refineries, Barrels Received (thous, of bbls.)	2,545p 3,580	2,671e 3,902	5.0	2,332	2,137	9.1
	3,360	3,902	9.0	3,871	3,853c	0.5
Air Passengers (total no. on and off, S.L. Int'l. Airport)	1 516 006	1 700 600		1 774 100	1 545 400	
Highway Traffic Count Across State Lines (both directions)	1,515,886 41,628	1,720,588 NA	13.5 NA	1,773,182 NA	1,545,132 56,011	14.8 NA
Visits to State and National Parks and Monuments	372,432	348,709p	-6.4	1,447,024	1,387,687	4.3
Utilities					************	
Electric Customers (residential active meters)	558,965	NA	NA NA	NA	549,507	NA
Electric Customers (commercial active meters)  Natural Gas Customers (residential and commercial)	56,747 586,799	NA 612 282	NA 4 2	NA	55,749 573 530	NA
Natural Gas Customers (residential and commercial)	560,799	612,282 805	4.3 23.1	597,846 741	573,539 657	4.2 12.8
Telephone Lines in Service (U.S. West, residential access)	652,508	ŅA	NA	NA	NA.	NA
Telephone Lines in Service (U.S. West, business access)	278,223	NA	NA	NA	NA	NA NA

UTAH DATA	Jan. 1996	Jan. 1997	% Change from Year Ago	12-Month Average This Year	12-Month Average Last Year	12-Month Average % Change
Davis County				***************		
Nonagricultural Employment (thous.)	69.3	74.4p	7.4	73.8	69.9	5.6
Unemployment Rate (seasonally adjusted)	2.9	3.0p	3.4	2.9	3.3	10.4
Authorized Permit Construction (thous. of dol.)	18,469.4	23,447.9	27.0	29,044.0	25,399.1	14.4
New Dwelling Units (no.)	122	129	5.7	220	168	31.4
New Car, Truck, and Motor Home Sales, Owner's County (no.)	348	NA	NA	NA	517	NA
Electric Customers (residential active meters)	56,780	NA	NA	NA	56,178	NA
Electric Customers (commercial active meters)	4,795	NA C4 875	NA 40	NA 60 007	4,651	NA
Natural Gas Customers (residential and commercial)	62,232	64,875	4.2	63,387	61,078	3.8
Natural Gas Customers (industrial) Telephone Lines in Service (U.S. West, residential access)	70 75,991	78 NA	11.4 NA	75 NA	72	3.8
Telephone Lines in Service (U.S. West, lesidendar access)	19,989	NA NA	NA NA	NA NA	NA NA	NA NA
Salt Lake County				<del> </del>	***********	
Nonagricultural Employment (thous.)	472.1	489.2p	3.6	489.6	466.0	5.1
Unemployment Rate (seasonally adjusted)	2.5	2.6p	4.0	2.7	3.0	-9.9
Authorized Permit Construction (thous. of dol.)	110,106.7	75,708.4	-31.2	112,101.7	103,624.4	8.2
New Dwelling Units (no.)	743	344	-53.7	673	663	1.5
New Car, Truck, and Motor Home Sales, Owner's County (no.)	3,353	NA NA	NA	ŅA	3,076	NA
Electric Customers (residential active meters)	275,088	NA NA	NA NA	NA	270,499	NA
Electric Customers (commercial active meters) Natural Gas Customers (residential and commercial)	24,395 259,442	NA 268,027	NA 3.3	NA 263 160	23,917	NA 20
Natural Gas Customers (industrial)	279,442	362	29.7	263,160	255,378	3.0
Telephone Lines in Service (U.S. West, residential access)	299,833	NA	NA.	. 325 NA	279 NA	16.3 NA
Telephone Lines in Service (U.S. West, business access)	160,115	NA NA	NA.	NA NA	NA NA	NA NA
Utah County						*********
Nonagricultural Employment (thous.)	124.8	131.2p	5.1	130.6	123.6	5.7
Unemployment Rate (seasonally adjusted)	2.4	2.8p	16.7	2.7	2.9	-6.1
Authorized Permit Construction (thous. of dol.)	40,184.2	23,951.9	-40.4	49,878.3	47,453.9	5.1
New Dwelling Units (no.)	389	198	-49.1	305	362	-15.9
New Car, Truck, and Motor Home Sales, Owner's County (no.)	609	NA	NA	NA	571	NA
Electric Customers (residential active meters)	64,131	NA	NA	NA	62,852	NA
Electric Customers (commercial active meters) Natural Gas Customers (residential and commercial)	7,535	NA 06 470	ŅĄ	NA oo ooo	7,332	NA
Natural Gas Customers (residential and commercial)	81,365 97	85,478	5.1	83,300	79,124	5.3
Telephone Lines in Service (U.S. West, residential access)	87,818	111 NA	14.4 NA	106	94	12.3
Telephone Lines in Service (U.S. West, business access)	34,368	NA NA	NA NA	NA NA	NA NA	NA NA
Weber County		1444				
Nonagricultural Employment (thous.)	80.0	84.6p	5.7	83.6	78.6	6.4
Unemployment Rate (seasonally adjusted)	3.9	3.9p	0.0	3.8	4.2	-9.5
Authorized Permit Construction (thous. of dol.)	10,524.6	18,581.9	76.6	19,270.6	15,829.0	21.7
New Dwelling Units (no.)	61	99	62.3	126	110	13.9
New Car, Truck, and Motor Home Sales, Owner's County (no.)	284	NA	NA	NA	387	NA
Electric Customers (residential active meters)	60,610	NA	NA	NA	59,940	NA
Electric Customers (commercial active meters)	5,655	NA	NA	NA	5,611	NA
Natural Gas Customers (residential and commercial)	58,050	60,191	3.7	58,860	57,183	2.9
Natural Gas Customers (industrial)	80	86	7.5	85	80	6.7
Telephone Lines in Service (U.S. West, residential access)	56,619	NA	NA	NA	NA	NA
Telephone Lines in Service (U.S. West, business access)	18,179	NA	NA	NA	NA	NA

<sup>1</sup> Before deductions for hauling and government withholding, but includes quality, quantity and other premiums. Excludes hauling subsidies.

2 Mid-month prices.

NA Not Available.

#### Sources:

Personal Income **New Corporations** New Car and Truck Sales Agriculture Construction Data **Employment Data** Finance Data Crude Oil Production Natural Gas Production Coal Production Air Passengers **Highway Traffic Count** Visits to State and National Parks and Monuments

**Utilities Data** 

U.S. Department of Commerce, Bureau of Economic Analysis.

Utah Department of Commerce, Division of Corporations and Commercial Code.

Utah State Tax Commission, Economic and Statistical Unit, Utah Car and Truck Sales Quarterly Report.

U.S. Department of Agriculture, Utah Agricultural Statistics Service, Utah Agriculture.

Bureau of Economic and Business Research, Utah Construction Report.

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Utah Department of Financial Institutions.

Utah Division of Oil, Gas and Mining, Oil and Gas Production Report, and Utah Office of Energy and Resource Planning.

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Salt Lake City International Airport, Statistics Division, Air Traffic Statistics and Activity Report.

Utah Department of Transportation, Automatic Traffic Recorder Data Report.

U.S. Forest Service and Utah State Parks and Recreation Department. Cooperating Utility Companies.

<sup>3</sup> Some figures are not strictly comparable due to reclassification.

<sup>4</sup> Includes services by nonprofit and religious organizations.

<sup>5</sup> Includes public schools and college institutions.

<sup>6</sup> Includes allowance for loan losses.

r Rounded to the nearest hundred thousand.

p Preliminary.

e Estimate.

c Calculated using an estimate for February 1995.

NATIONAL DATA	Jan. 1996	Jan. 1997	% Change from Year Ago	12-Month Average This Year	12-Month Average Last Year	12-Month Average % Change
U.S. Gross Domestic Product (seas. adj. at ann. rates, bil., qtly.)	7,426.8	7,866.0a	5.9	7,612.7	7,276.9	4.6
Total Personal Income (seas. adj. at ann. rates, bil. of dol.)	6,270.1	6,654.8	6.1	6,484.4	6,138.5	5.6
Industrial Production Index (seasonally adjusted, 1992=100)	112.4	117.6	4.6	115.6	112.1	3.1
Capacity Utilization Rate (seasonally adjusted, percent)	82.4	83.2	1.0	83.2	83.6	-0.5
Net Exports of Goods & Services (seas. adj. at ann. rates, bil., qtly.)	-86.3	-111.4a	29.1	-100.8	<b>~92.8</b>	8.6
Exports of Goods & Services (seas. adj. at ann. rates, bil., qtly.)	839.5	899.3a	7.1	860.2	812.6	5.9
Imports of Goods & Services (seas. adj. at ann. rates, bil., qtly.) Composite Index of 11 Leading Indicators (1992=100)	925.8 100.5	1,010.6a 103.0	9.2 2.5	960.9 102.3	905.5 100.8	6.1 1.5
Price Indexes				<del></del>		
Consumer Price Indexes (not seasonally adjusted, 1982-84=100)					· .	
CPI-U (All Urban Consumers) All Items	154.4	159.1	3.0	157.2	152.7	3.0
CPI-U (All Urban Consumers) Food and Beverages	151.4	156.9	3.6	154.2	149.2	3.4
CPI-U (All Urban Consumers) Housing	150.6	155.1	3.0	153.2	148.8	2.9
CPI-U (All Urban Consumers) Transportation	139.9	145.0	3.6	143.5	139.3	3.0
CPI-U (All Urban Consumers) Medical Care	225.2	231.8	2.9	228.8	221.2	3.4
CPI-U (All Urban Consumers) Energy	105.0	113.3	7.9	110.8	105.3	5.2
Producer Price Index (not seasonally adjusted, 1982=100)						
Producer Price Index, All Finished Goods GDP Implicit Price Deflator (seasonally adjusted, 1992=100, qtly.)	129.4 109.0	132.6p 111.0a	2.5 1.8	131.6 109.8	128.2 107.8	2.6 1.9
Corporate Profits (seas. adj. at ann. rates, bil., qtly.)				200.0		
Profits Before Taxes	642.2	NA	NI A	NI A	400 O	**************************************
Profits-Tax Liability	233.4	NA NA	NA NA	NA NA	602.9	NA NA
Profits After Taxes	408.8	NA NA	NA NA	NA NA	220.0 382.8	NA NA
Civilian Employment (seasonally adjusted)			14 4 B 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	***************		
Labor Force (mil.)	132.9	135.8	2.2	134.2	132.4	1.4
Employment (mil.)	125.3	128.6	2.6	127.0	124.9	1.6
Unemployment Rate	5.7	5.4	-5.3	5.4	5.6	-4.5
Value of New Construction Put In Place					**	
Total Construction (seas. adj. at ann. rates, bil. of dol.)	559.0	590.1	5.6	569.9	548.5	3.9
Private Const.: Residential (seas. adj. at ann. rates, bil. of doi.)b	242.5	250.6	3.3	246.8	236.9	4.2
New Housing Units (seas. adj. at ann. rates, bil. of dol.)	169.2	177.2	4.7	176.0	163.2	7.8
Private Const.: Nonresidential (seas. adj. at ann. rates, bil. of dol.)	137.4	154.6	12.5	141.8	134.8	5.2
Interest Rates			****			
Federal Funds Rate	5.56	5.25	-5.6	5.27	5.84	-9.7
Discount Rate on New 91-Day Treasury Bills	5.02	5.05	0.6	5.03	5.45	-7.7
Yield on Long-Term Treasury Bonds	6.07	6.89	13.5	6.86	6.78	1.2
Average Prime Rate Charged by Banks	8.50	8.25	-2.9	8.25	8.83	-6.6
Mortgage Rate (conventional 1st mortgage, new home, U.S. avg.)	7.15	7.65	7.0	7.60	7.59	0.2

a advance. p Preliminary. NA Not Available. b Includes residential improvements, not shown separately.

Sources: Survey of Current Business, U.S. Department of Commerce: U.S. Gross Domestic Product, Total Personal Income, Export/Import Data, GDP Implicit Price Deflator, Corporate Profits. Federal Reserve Bulletin, Board of Governors of the Federal Reserve System: Industrial Production Index, Capacity Utilization Rate, Interest Rates. The Conference Board, Inc.: Composite Index of 11 Leading Indicators. Monthly Labor Review, U.S. Department of Labor, Bureau of Labor Statistics: Consumer Price Indexes, Producer Price Index, National Employment Data. Value of New Construction Put in Place, U.S. Department of Commerce Bureau of the Census: National Construction Data.

UTAH DATA	Feb. 1996	Feb. 1997	% Change from Year Ago	12-Month Average This Year	12-Month Average Last Year	12-Month Average % Change
Total Personal Income (seas. adj. at ann. rates, mil. of dol., qtly.)	37,055	NA	NA	NĄ	35,986	NA
New Corporations (no.) New Car, Truck, and Motor Home Sales (no.)	929 6,237	768 NA	−17.3 - NA	722 NA	743 6,543	2.7 NA
Agriculture	******************		<del></del>			
Average Prices Received by Farmers (dol.)						
Lambs (cwt.) Milk, All (cwt.) 1	83.00 13.30	95.00 12.60	14.5 -5.3	90.58 14.09	78.73 12.56	15.1 12.2
Barley (per bushel)	3.32	2.59	-22.0	3.08	2.76	11.4
Alfalfa Hay, Baled (per ton) 2  Commercial Red Meat Production (thous, of lbs.)	59.00 34,200r	83.00 26,500r	40.7 <b>-22.</b> 5	79.85 33,842	75.17 35,190	6,2 -3.8
Construction	5-1,2001	20,5001	-22.3	33,042	33,190	-5.0
Total Permit Construction (thous. of dol.)	176,858.1	190,129.6	7,5	285,272.9	260,274.6	9.6
Residential Nonresidential	113,605.0	123,655.1	8.8	173,946.2	157,387.3	10.5
Additions, Alterations, and Repairs	43,427.2 19,825.9	44,833.2 21,641.3	3.2 9.2	78,907.3 32,419.5	68,929.0 33,958.3	14.5 4.5
New Dwelling Units (no.)	1,318	1,277	-3.1	1,933	1,824	6.0
Employment 3						
Civilian Labor Force (thous.) Employed	971.6	1,020.2p	5.0	1,015.4	988.8	2.7
Unemployed	933.7 37.9	984.7p 35.5p	5.5 -6.3	982,2 33.2	955.6 33.1	2.8 0.2
Percent of Labor Force	3.9	3.5p	-10.3	3.3	3.4	-3.0
Nonagricultural Jobs (thous.)	927.8	966.6p	4.2	963.7	915.9	5.2
Mining Contract Construction	7.7	7.8p	1.3	7.9	8.1	-2.2
Manufacturing	53.8 127.9	56.3p 129.9p	4.6 1.6	62.2 130.3	56.1 125.0	10.9 4.2
Transportation, Communications, and Utilities	52.2	55.1p	5.6	54.0	51.8	4.4
Wholesale Trade	46.9	48.6p	3.6	48.4	46.2	4.8
Retail Trade	174.4	181.6p	4.1	183.7	175.6	4.6
Finance, Insurance, and Real Estate Services 4	49.4 246.6	51.3p 264.6p	3.8	51.0	48.2	5.9
Federal Government	31.8	30.3p	7.3 4.7	258.6 30.9	240.9 31.8	7.4 -2.8
State Government 5	52.9	54.0p	2.1	52.3	50.9	2.9
Local Government 5	84.2	87.1p	3.4	84.3	81.5	3.5
Average Weekly Hours Mining	44.1	44 C	0.0	45.0	44.0	
Manufacturing	44.1 40.1	44.5p 40.0p	0.9 0.2	45.0 40.2	44.5 39.7	0.9 1.3
Wholesale Trade	35.7	37.1p	3.9	36.8	36.4	1,3
Retail Trade	27.7	27.8p	0.4	28.3	28.4	-0.4
Amount of Unemployment Compensation (thous, of dol.)	8,228.7	8,037.9	-2.3	5,884.5	5,335.8	10.3
Finance (qtly.) Total State and National Chartered In-State Banks (no.)	33	NA	 NA	NA	33	NA
Total Assets (mil. of dol.)	17,557.1	NA NA	NA NA	NA NA	16,688.0	NA NA
Total Liabilities (mil. of dol.)	16,133.2	NA	NA	NA	15,325.4	NA
Total Equity Capital (mil. of dol.)  Capital to Assets 6	1,423.9	NA	NA	NA	1,362.5	NA
Loan Loss Reserve Ratio	9.16 1.76	NA NA	NA NA	NA NA	9.28 1.83	NA NA
Loans to Assets	59.60	NA NA	NA NA	NA NA	60.59	NA NA
Temporary Investment Ratio	12.89	NA	NA	NA	15.08	NA
Return on Assets	0.38	NA	· NA	NA	0.34	NA
Production	1 FEE A		**************************************	<del></del>		
Natural Gas (mil. of cu. ft.)	1,555.4 32,522.8	NA NA	NA NA	NA NA	1,652.9	NA
Coal (thous, short tons)	2,312p	2,813e	21.7	NA 2,373	25,680.9 2,168	NA 9.5
Crude Oil to Refineries, Barrels Received (thous. of bbls.)	3,656	NA	NA	NA	3,875	NA
Travel/Tourism	**************************************	12000000000000	**************	• <del>• • • • • • • • • • • • • • • • • • </del>		
Air Passengers (total no. on and off, S.L. Int'l, Airport)	1,657,885	1,598,683	-3.6	1,768,249	1,567,178	12.8
Highway Traffic Count Across State Lines (both directions) Visits to State and National Parks and Monuments	44,848 436,562	NA 402,929p	NA -7.7	NA 1,444,221	56,061 1,383,645	NA 4.4
Utilities	<del></del>	-	F888888888844		**********	
Electric Customers (residential active meters)	NA	NA	NA	NA	NA	NA
Electric Customers (commercial active meters)  Natural Gas Customers (residential and commercial)	NA 590,071	NA 616 722	NA 4.5	NA 600.067	NA 575 450	NA
Natural Gas Customers (industrial)	590,071 665	616,722 816	4.5 22.7	600,067 753	575,459 658	4.3 14.5
Telephone Lines in Service (U.S. West, residential access)	653,952	NA	NA	NA	NA	NA
Telephone Lines in Service (U.S. West, business access)	270,842	NA	NA	NA	NA	NA

UTAH DATA	Feb. 1996	Feb. 1997	% Change from Year Ago	12-Month Average This Year	12-Month Average Last Year	12-Month Average % Change
Davis County		****		4446	2022045	************
Nonagricultural Employment (thous.)	70.4	74.2p	5.4	74.2	70.2	5.7
Unemployment Rate (seasonally adjusted)	3.2	3.0p	-6.3	3.0	3.3	-10.4
Authorized Permit Construction (thous. of dol.)	23,106.6	22,377.2	-3.2	28,983.2	25,946.0	11.7
New Dwelling Units (no.)	116	179	54.3	225	170	32.9
New Car, Truck, and Motor Home Sales, Owner's County (no.)	442	NA	NA	NA	513	NA
Electric Customers (residential active meters) Electric Customers (commercial active meters)	NA.	NA	NA	NA	NA	NA
Natural Gas Customers (residential and commercial)	NA 62.504	NA SE ES1	NA	NA 60.640	NA	NA
Natural Gas Customers (industrial)	62,504 73	65,561 79	4.9	63,642	61,243	3.9
Telephone Lines in Service (U.S. West, residential access)	76,220	NA	8.2 NA	75 NA	72	4.6
Telephone Lines in Service (U.S. West, business access)	20,220	NA NA	NA NA	NA NA	NA NA	NA NA
Salt Lake County		+======================================		****		*****
Nonagricultural Employment (thous.)	473.1	492.9p	4.2	491.0	467.9	4.9
Unemployment Rate (seasonally adjusted)	3.0	2.6p	-13.3	2.7	3.0	-9.4
Authorized Permit Construction (thous, of dol.)	74,349.7	65,844.2	-11.4	111,392.9	103,956.6	7.2
New Dwelling Units (no.)	504	384	-23.8	663	658	0.8
New Car, Truck, and Motor Home Sales, Owner's County (no.)	2,881	NA	NA	NA	3,055	NA
Electric Customers (residential active meters)	NA NA	NA	NA	NA	NA	NA
Electric Customers (commercial active meters)	NA OCO 053	NA Acc 272	NA	NA	NA	NA
Natural Gas Customers (residential and commercial) Natural Gas Customers (industrial)	260,953	269,872	3.4	263,903	255,995	3.1
Telephone Lines in Service (U.S. West, residential access)	280	372	32.9	332	280	18.9
Telephone Lines in Service (U.S. West, business access)	300,309 151,483	NA NA	NA NA	NA NA	NA NA	NA NA
Utah County						
Nonagricultural Employment (thous.)	127.9	133.1p	4,1	131.3	124.3	
Unemployment Rate (seasonally adjusted)	2.8	2.7p	-3.6	2.7	2.9	5.6 4.7
Authorized Permit Construction (thous, of dol.)	27,291.2	33,923.3	24.3	50,431.0	46,128.4	9.3
New Dwelling Units (no.)	271	204	-24.7	299	347	-13.8
New Car, Truck, and Motor Home Sales, Owner's County (no.)	472	NA	NA	NA	568	NA
Electric Customers (residential active meters)	NA	NA	NA	NA	NA	NA
Electric Customers (commercial active meters)	NA	NA	NA	NA	NA	NA
Natural Gas Customers (residential and commercial)	81,881	86,040	5.1	83,647	79,453	5.3
Natural Gas Customers (industrial)	98	111	13.3	107	95	12.7
Telephone Lines in Service (U.S. West, residential access)	88,043	NA	NA	NA	NA	NA
Telephone Lines in Service (U.S. West, business access)	34,769	NA	NA	NA	NA	NA
Weber County Nonagricultural Employment (thous.)						=======
Unemployment Rate (seasonally adjusted)	81.5	85.2p	4.5	84.0	78.9	6.4
Authorized Permit Construction (thous, of dol.)	4.2 9,575.6	3.8p	-9.5	3.8	4.2	-8.2
New Dwelling Units (no.)	78	13,490.6	40.9	19,596.9	16,140.4	21.4
New Car, Truck, and Motor Home Sales, Owner's County (no.)	325	99 NA	26.9 NA	127	113	12.9
Electric Customers (residential active meters)	NA	NA NA	NA NA	NA NA	386	NA NA
Electric Customers (commercial active meters)	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Natural Gas Customers (residential and commercial)	58,361	60,708	4.0	59,056	57,306	NA 3.1
Natural Gas Customers (industrial)	81	86	6.2	86	37,300 80	7.0
Telephone Lines in Service (U.S. West, residential access)	56,755	NA	NA	NA .	NA	7.0 NA
Telephone Lines in Service (U.S. West, business access)	18,370	NA	NA NA	NA NA	1,157	17/4

<sup>1</sup> Before deductions for hauling and government withholding, but includes quality, quantity and other premiums. Excludes hauling subsidies.

2 Mid-month prices.

NA Not Available.

Personal Income
New Corporations
New Car and Truck Sales
Agriculture
Construction Data
Employment Data
Employment Data
Finance Data
Crude Oil Production
Natural Gas Production
Coal Production
Air Passengers
Highway Traffic Count
Visits to State and National
Parks and Monuments

**Utilities Data** 

<sup>3</sup> Some figures are not strictly comparable due to reclassification.

<sup>4</sup> Includes services by nonprofit and religious organizations.

<sup>5</sup> Includes public schools and college institutions.

<sup>6</sup> Includes allowance for loan losses.

r Rounded to the nearest hundred thousand.

p Preliminary.

e Estimate.

U.S. Department of Commerce, Bureau of Economic Analysis.

Utah Department of Commerce, Division of Corporations and Commercial Code.

Utah State Tax Commission, Economic and Statistical Unit, Utah Car and Truck Sales Quarterly Report.

U.S. Department of Agriculture, Utah Agricultural Statistics Service, Utah Agriculture.

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Utah Department of Employment Security, Utah Labor Market Report.

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U.S. Porest Service and Utah State Parks and Recreation Department. Cooperating Utility Companies.

Bureau of Economic and Business Research University of Utah Salt Lake City, Utah 84112 Return Postage Guaranteed (Nonprofit Organization)

Nonprofit Org. U.S. Postage Paid Permit No. 1529 Salt Lake City, UT

NATIONAL DATA	Feb. 1996	Feb. 1997	% Change from Year Ago	12-Month Average This Year	12-Month Average Last Year	12-Month Average % Change
U.S. Gross Domestic Product (seas. adj. at ann. rates, bil., qtly.)	7,426.8	7,866.0a	5.9	7,649.3	7,299.9	4.8
Total Personal Income (seas. adj. at ann. rates, bil. of dol.)	6,315.2	6,712.6p	6.3	6,517.5	6,164.6	5.7
Industrial Production Index (seasonally adjusted, 1992=100)	113.8	118.1p	3.8	116.0	112.3	3.3
Capacity Utilization Rate (seasonally adjusted, percent)	83.2 -86.3	83.3p -111.4a	0.1 29.1	83.2 -102.9	83.5 -91.0	0.3 13.1
Net Bxports of Goods & Services (seas. adj. at ann. rates, bll., qtly.)  Exports of Goods & Services (seas. adj. at ann. rates, bil., qtly.)	839.5	899.3a	7.1	865.2	817.9	5.8
Imports of Goods & Services (seas. adj. at ann. rates, bil., qtly.)	925.8	1,010.6a	9.2	968.0	908.9	6.5
Composite Index of 11 Leading Indicators (1992=100)	101.4	103.5	2.1	102.4	100.8	1.6
Price Indexes				<del></del>		*************
Consumer Price Indexes (not seasonally adjusted, 1982-84=100)					140 1	
CPI-U (All Urban Consumers) All Items	154.9	159.6	3.0	157.6	153.1	3.0
CPI-U (All Urban Consumers) Pood and Beverages	151.3 151.2	156.9 155.8	3.7 3.0	154.6 153.5	149.5 149.2	3.5 2.9
CPI-U (All Urban Consumers) Housing CPI-U (All Urban Consumers) Transportation	140.4	144.8	3.0	143.8	139.6	3.1
CPI-U (All Urban Consumers) Medical Care	226.2	232.7	2.9	229.3	221.9	3.4
CPI-U (All Urban Consumers) Energy	104.9	113.1	7,8	111.5	105.4	5.8
Producer Price Index (not seasonally adjusted, 1982=100)	*****					*
Producer Price Index, All Finished Goods	129.4	132.2p	2.2	131.8	128.4	2.7
GDP Implicit Price Deflator (seasonally adjusted, 1992=100, qtly.)	109.0	111.0a	1.8	110.0	108.0	1.9
Corporate Profits (seas, adj. at ann. rates, bil., qtly.)			·		<del></del> -+-4 <del></del>	
Profits Before Taxes	642.2	NA	NA	ŅĄ	606.8	NA
Profits-Tax Liability	233.4	NA	NA	NA	221.4	NA
Profits After Taxes	408.8	NA	NA	NA	385.5	NA
Civilian Employment (seasonally adjusted)		106.6		, . ,	**************************************	
Labor Force (mil.)	133.1	135.6	1.9 2.1	134.4	132.4	1.5
Employment (mil.) Unemployment Rate	125.7 5.5	128.4 5.3	-3.6	127.2 5.3	125.0 5.6	1.8 4.8
Value of New Construction Put In Place	****************		. <del></del>	<del></del>	<del></del>	
Total Construction (seas. adj. at ann. rates, bil. of dol.)	544.6	603.8p	10.9	574.8	548.4	4.8
Private Const.: Residential (seas. adj. at ann. rates, bil. of dol.)b	238.6	253.7p	6.3	248.0	236.8	4.8
New Housing Units (seas. adj. at ann. rates, bil. of dol.)	166.9	181.6p	8.8	177.2	163.2	8.6
Private Const.: Nonresidential (seas. adj. at ann. rates, bil. of dol.)	134.9	158.5p	17.5	143.8	135.0	6.4
Interest Rates			*****	<del></del>		
Federal Funds Rate	5.22	5.19	-0.6	5.27	5.78	-8.8
Discount Rate on New 91-Day Treasury Bills	4.87	5.00	2.7	5.04	5.37	-6.2
Yield on Long-Term Treasury Bonds	6.28	6.76	7.6	6.90	6.66	3.6
Average Prime Rate Charged by Banks	8.25	8.25	0.0	8.25	8.77	-5.9
Mortgage Rate (conventional 1st mortgage, new home, U.S. avg.)	7.00	7.61	8.7	7.65	7.50	2.1

a advance. p Preliminary. NA Not Available. b Includes residential improvements, not shown separately.

Sources: Survey of Current Business, U.S. Department of Commerce: U.S. Gross Domestic Product, Total Personal Income, Export/Import Data, GDP Implicit Price Deflator, Corporate Profits. Federal Reserve Bulletin, Board of Governors of the Federal Reserve System: Industrial Production Index, Capacity Utilization Rate, Interest Rates. The Conference Board, Inc.: Composite Index of 11 Leading Indicators. Monthly Labor Review, U.S. Department of Labor, Bureau of Labor Statistics: Consumer Price Indexes, Producer Price Index, National Employment Data. Value of New Construction Put in Place, U.S. Department of Commerce Bureau of the Census: National Construction Data.

# UTAH ECONOMIC AND BUSINESS REVIEW

## **VOLUME 57 NOS. 3 & 4**



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