



SOUTH CAROLINA AIRPORTS SYSTEM PLAN

GREENVILLE DOWNTOWN - GMU
GREENVILLE, SOUTH CAROLINA

Data Cycle 02/13/2018
Photo Date 2009



Governing Body
COMMISSION

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Airport Classification - SC II

GREENVILLE, SOUTH CAROLINA

State Classification II – Corporate/Business (SC-II): Located in urbanized environment or in a rural location with a multi-jurisdictional service area, the SC Airports System Plan has determined that these airports should have runways that are a minimum of 5,000 feet x 100 feet with Airport Reference Code (ARC) designations of B-II or C-II. The airport's annual economic impact to the state of South Carolina has been quantified within the range of \$2 million to \$222 million as defined in the South Carolina Economic Impact of Aviation (May 2006).¹ These airports offer the full range of fuels and aviation services, instrument approach procedures, and are forecasted to have a growing population of based aircraft and annual operations. The future activity profile consists of between 30% and 50% of corporate and business operations with a smaller number of recreational or private users. The airports are not constrained by surrounding incompatible land uses or environmentally sensitive areas and have expansion capability for not only runways and taxiways but for support facilities such as apron, hangar and terminal facilities. Corporate/Business airports should have LPV approach minima of no higher than 250-3/4.

All minimum airport design standards for Classification II airports shall be based on the FAA Airport Reference Code (ARC) B-II or C-II with the following additions:

- * Shall have an Airport Layout Plan approved by SCAC,
- * Runway length shall be 5,000 feet,
- * Runway width shall be 100 feet,
- * Runway strength shall be 60,000 pounds dual wheel load,
- * Runways shall have unobstructed approaches in accordance with FAA AC 150/5300-13,
- * Airport shall attempt to achieve RNAV (GPS) LPV instrument approach minimums on the primary Runway of 250 feet and ¾ mile,
- * Runway to taxiway centerline distance shall be 300 feet,

¹ Wilbur Smith Associates in association with EDR Group and Franks and Associates (May 2006). South Carolina Economic Impact of Aviation. Prepared for The South Carolina Aeronautics Commission.



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GREENVILLE, SOUTH CAROLINA

Airport Operations and Based Aircraft Forecasts

Year	ITINERANT OPERATIONS					LOCAL OPERATIONS			Total Ops	IFR Ops	Based Aircraft
	Air Carrier	Comm Air Taxi	General Aviation	Military Ops	ITIN Totals	General Aviation	Military Ops	Local Totals			
	2009	7	21,964	25,306	2,089	49,366	20,996	129			
2014	9	28,406	32,728	2,702	63,845	28,392	174	28,566	92,411	23,300	238
2019	10	31,088	35,818	2,957	69,873	29,347	180	29,527	99,400	25,500	246
2029	12	36,574	42,139	3,479	82,204	31,255	192	31,447	113,651	30,000	262

[Hyper link to Airport Operations](#)

Base Aircraft for 2017		Annual IFR Flight for 2017		Piston	Turbine
Single Engine	119	0	Single Engine	0	0
Multi Engines	34	0	Multi Engines	0	0
Helicopter	0	0	Helicopter	0	0
Jet	17	0	Jet		
Military	0	0	Unknown		
Base Totals	170	0	IFR Totals		

[Hyper Link to IFR details](#)



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GREENVILLE, SOUTH CAROLINA

Airport Profile

Elevation	1,048.00' MSL	Latitude:	34-50-52.6000N
Lighting Schedule	SEE RMK	Longitude:	082-21-00.0000W
Magnetic Var	07°W		

Runway Information

ID	Length	Width	Surface	VGIS	REILS	Edge Lights	Approach Lights	Traffic Pattern
01/19	5393	100	ASPH-E	P4L/P4L	01/19	HIGH	MALSF/	19 - RH
10/28	4000	80	ASPH-G	/P2L	28	MED	None	28 - RH
H1	50	50	CONC-G	None	None	PERI	None	Standard
H2	50	50	CONC-G	None	None	PERI	None	Standard

Gross Wheel Weight

ID	SW	DW	DTW	DDTW	Surface
01/19	61.0	81.0	151.0		ASPH-E
10/28	43.5	62.0			ASPH-G
H1	20.0				CONC-G
H2	20.0				CONC-G

NAVAIDS

ID	Type	FREQ	Direct/Distant
SPA	VORTAC	115.70	r244° 23.6 NM to fld

Communication

Tower	GRND	CLEAR	ATIS	ATC	RCO	APP/DEP	WEATHER	
FREQ	CNTRL	DEL	FREQ	FREQ	ID	BRNG/FREQ	FREQ	PHONE
119.9	121.25		127.075	118.8	GSP		127.075	(864) 239-0014

[Hyperlink to airport drawing diagram](#)

[Hyperlink to airport economic impact](#)



SOUTH CAROLINA AIRPORTS SYSTEM PLAN

Capital Improvement Program

Project Description	Project Cost	Federal Share	Non-Primary Entitlements	Discretionary	State	Local
2017						
RWY 1-19 HIRL, RWY 1 MALSF (Design and Construction) (NPR=72)	\$1,215,000	90%	\$1,093,500	\$150,000	\$943,500	\$60,750 5%
RWY 10-28 Lighting Rehabilitation (Design and Construction) (NPR=72)	\$403,000	90%	\$362,700	\$0	\$362,700	\$20,150 5%
TWY A & B Lighting Rehabilitation (Design & Construction) (NPR=68)	\$964,000	90%	\$867,600	\$0	\$867,600	\$48,200 5%
TWY B System Pavement Rehabilitation (Design/Permit) (NPR=68)	\$178,000	90%	\$160,200	\$0	\$160,200	\$8,900 5%
Totals for 2017	\$2,760,000	\$2,484,000	\$150,000	\$2,334,000	\$138,000	\$138,000
2018						
TWY B System Pavement Rehabilitation (Construction) (NPR=68)	\$2,203,000	90%	\$1,982,700	\$0	\$1,982,700	\$110,150 5%
Update Airport Layout Plan and Exhibit A (NPR=68)	\$175,000	90%	\$157,500	\$150,000	\$7,500	\$8,750 5%
TWY C & D System (West) Pavement Rehabilitation (Design) (NPR=68)	\$87,000	90%	\$78,300	\$0	\$78,300	\$4,350 5%
Totals for 2018	\$2,465,000	\$2,218,500	\$150,000	\$2,068,500	\$123,250	\$123,250
2019						
RWY 10-28, TWY C & D (East) Pavement Rehabilitation (Design) (NPR=72)	\$130,000	90%	\$117,000	\$0	\$117,000	\$6,500 5%
TWY C & D System (West) Pavement Rehabilitation (Construction) (NPR=68)	\$960,000	90%	\$864,000	\$150,000	\$714,000	\$48,000 5%
Totals for 2019	\$1,090,000	\$981,000	\$150,000	\$831,000	\$54,500	\$54,500
2020						
RWY 10-28, TWY C & D (East) Pavement Rehabilitation (Construction) (NPR=72)	\$1,788,000	90%	\$1,609,200	\$150,000	\$1,459,200	\$89,400 5%
Apron Pavement Rehabilitation (Design) (NPR=62)	\$136,000	90%	\$122,400	\$0	\$122,400	\$6,800 5%
Totals for 2020	\$1,924,000	\$1,731,600	\$150,000	\$1,581,600	\$96,200	\$96,200
2021						
Apron Pavement Rehabilitation (Construction) (NPR=62)	\$1,783,000	90%	\$1,604,700	\$150,000	\$1,454,700	\$89,150 5%
RWY 1-19 Pavement Rehabilitation (Design) (NPR=72)	\$220,000	90%	\$198,000	\$0	\$198,000	\$11,000 5%
Totals for 2021	\$2,003,000	\$1,802,700	\$150,000	\$1,652,700	\$100,150	\$100,150
2022						
RWY 1-19 Pavement Rehabilitation (Construction) (NPR=72)	\$2,911,000	90%	\$2,619,900	\$150,000	\$2,469,900	\$145,550 5%
Totals for 2022	\$2,911,000	\$2,619,900	\$150,000	\$2,469,900	\$145,550	\$145,550



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Demographic and Business Profile Report

(Data provided for 20 Mile Drive Distance from Airport)

Total Population and Growth Rate

2000 Total Population	481,486
2008 Total Population	542,923
2013 Total Population	585,939
2000-2008 Annual Growth Rate	1.5%
2008-2013 Annual Growth Rate	1.5%

Per Capita Income

2000 Per Capita Income	\$21,291
2008 Per Capita Income	\$27,712
2013 Per Capita Income	\$32,170

Total Households

2000 Total Households	188,588
2008 Total Households	217,016
2013 Total Households	235,965

Median Household Income

2000 Median HH Income	\$40,879
2008 Median HH Income	\$52,920
2013 Median HH Income	\$61,537

Median Age

2000 Median Age	35.5
2008 Median Age	37.5
2013 Median Age	38.5

2008 Population by Age

Population 0 - 14	20.1%
Population 15 - 24	13.2%
Population 25 - 54	43.2%
Population 55 +	22.0%
Population 18+	76.0%
Population 85+	1.6%

2008 Civilian Population 16+ by Employment Status

Employed Civilian Pop 16+	261,098
Unemployed Civilian Pop 16+	19,837
Employment Rate	92.9%
Unemployment Rate	7.1%

2008 Employed Civilian Population by Industry

Agriculture/Mining	0.4%
Construction	8.9%
Manufacturing	18.4%
Retail/Wholesale Trade	16.1%
Transportation/Utilities	4.2%
Information	2.9%
Finance/Insurance/Real Estate	6.3%
Professional/Technical	6.0%
Management	0.2%
Accom/Food/Other Services	10.5%
Educational Services	7.8%
Health Care/Social Assistance	10.4%
Public Administration	2.3%
Admin/Support/Waste Svcs.	4.4%
Arts/Entertainment	1.2%

2008 Educational Attainment by Degree

<9th Grade	5.6%
Some High School	11.4%
High School Graduate	29.1%
Some College	19.0%
Associate Degree	8.3%
Bachelor's Degree	18.3%
Graduate/Professional Degree	8.3%

2008 Employed Civilian Population by Occupation

Management (incl. Farm Mgr.)	9.5%
Professional	14.4%
Sales	12.4%
Office/Administrative Support	13.3%
Life/Physical/Soc. Science/Soc. Svcs.	1.7%
Entertainment/Sports	1.8%
Health Care Pract/Support	9.4%
Protective Services	1.8%
Food Preparation/Serving	5.0%
Maintenance/Installation/Repair	8.0%
Construction/Extraction Services	6.2%
Production	10.2%
Transportation/Moving	6.2%
Farming/Fishing/Forestry	0.2%

Top Businesses by Number of Employees within 20 Mile Drive Distance.

Company Name	Number of Employees
Chest Pain Ctr Of Greenville	7,500
Children'S Hospital-Greenville	7,500
Greenville Hospital System	5,200
Bmw Manufacturing Co	4,000
Ge Gas Turbines	3,500
Fluor Enterprises Inc	2,400
Orion Group	1,800
Springs Industries Inc	1,500
St Francis Emergency Room	1,395
Lockheed Martin Corp	1,100
Greenville-Spartanburg Intl	1,000
Verizon Wireless	1,000
Hka Enterprises Inc	1,000
Fountain Inn Plant	999
Teletech Holdings	900
Michelin Americas Research	800
Palmetto Baptist Medical Ctr	700
Faurecia Interior Systems	700
Dispoz-O Products Inc	700
Columbia Farms	670
John D Hollingsworth On Wheels	650
Honeywell Aerospace	600
Nutra Manufacturing Inc	600
Ikon Office Solutions Inc	600
Baldor Dodge Reliance	570
Aimco	550
Saffron'S At Suntrust	500
Computer Training Ctr	500
Interim Healthcare	500
Magna Drive Automotive	500
Swift Transportation	475
Wal-Mart Supercenter	450
Bausch & Lomb Inc	450
Wal-Mart Supercenter	435
Mark Iv Automotive	400

Source: ESRI, 2008 Estimates and Projections, 2000 Census, 2008 InfoUSA Business Data



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20 Mile Drive Distance Map

