BD. BERMUDA DUNES AIRPORT

BD.1 Compatibility Map Delineation

- 1.1 *Airport Master Plan Status:* As a privately owned facility, no master plan has been prepared for Bermuda Dunes Airport. The *Compatibility Plan* is based upon the airport layout plan prepared by the airport owner in 2001.
- 1.2 *Airfield Configuration:* No changes in the existing configuration of the airport runway or approaches is anticipated.
- 1.3 *Airport Activity:* The *Compatibility Plan* for Bermuda Dunes Airport anticipates that the airport could eventually reach approximately 75,000 annual operations, an 80% increase over it's estimated present activity level. This beyond-20-year projection is assumed to be the airport's capacity and is based upon the aircraft parking constraints. Activity at Bermuda Dunes Airport is highly seasonal. Airport management records indicate that average days during the peak (Winter) season experience twice the number of aircraft operations as the annual average day and peak days can produce even higher activity levels. Noise contours reflecting the ultimate activity levels on an average day of the peak season are used for the purposes of the *Compatibility Plan*.
- 1.4 *Airport Influence Area:* Two factors are the primary determinants of the Bermuda Dunes Airport influence area. To the north and south the outer edge of the FAR Part 77 conical surface defines the boundary. To the northeast, east, and west, extensions are provided along the runway approach and departure routes reflecting the traffic patterns and noise impacts of jet aircraft operations.

BD.2 Additional Compatibility Policies

2.1 None.





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Riverside County Airport Land Use Commission Riverside County Airport Land Use Compatibility Plan Policy Document

(Adopted December 2004)

Map BD-2

Airspace Plan Bermuda Dunes Alrport



Map BD-3

Noise Compatibility Contours

Bermuda Dunes Alrport

BDD-noise-compatibility

Background Data: Bermuda Dunes Airport and Environs

INTRODUCTION

Situated in the center of the Coachella Valley, privately owned Bermuda Dunes Airport is a major point of general aviation access to the surrounding desert communities of eastern Riverside County. The airport particularly caters to corporate-type, twin-engine propeller aircraft and small business jets. More than half of the aircraft operations are by aircraft of these types. Activity is particularly seasonal in character with average winter days experiencing double the annual average traffic.

The physical facilities of Bermuda Dunes Airport are constrained. The airport occupies only some 100 acres of land. At 5,000 feet in length, its single roughly east/west runway is adequate for the aircraft mix that operates there, but the lateral clearances are marginal for some of the larger aircraft. A straight-in nonprecision instrument approach procedure is available, but the good desert weather minimizes the necessity of its use. These and other features of the airport are further described in Exhibit BD–1 and shown on the airport layout plan, Exhibit BD–2. The airport's small size limits in potential for growth. Future aircraft activity is projected to reach no more than 75,000 annual operations, about 75% more than at present (Exhibit BD–3). The runway constraints and space to park aircraft both serve to prevent a significantly higher number. Although construction of some additional aircraft parking is planned, no changes to the runway are contemplated.

Exhibits BD–4 through BD–7 depict the airport's existing and projected noise impacts, both for an annual average day and an average day of the peak season. The impacts fall predominantly along the extended runway centerline. For both noise abatement and aircraft performance reasons, the aircraft traffic pattern is elongated. To the west—the principal departure direction—the noise impacts fall along the Interstate 10 corridor. The extended traffic pattern and noise impacts are key factors in the configuration of the airport's compatibility zones (Exhibit BD–8).

Except to the north, much of the land near Bermuda Dunes Airport is developed with a variety of urban uses. To the north, extensive new residential development is on-going. The airport itself is located in the unincorporated community of Bermuda Dunes, but is surrounded by the cities of Indio to the north and east, Palm Desert to the west, and La Quinta to the south. Exhibit BD–9 describes the nearby land uses and the compatibility policies of these jurisdictions. A map of planned land uses in the area, simplified from the respective general plans, is presented in Exhibit BD–10. Exhibit BD–11 assesses the consistency status between these general plans and the *Compatibility Plan*.

GENERAL INFORMATION

- Airport Ownership: Private (Bermuda Dunes Airport Corp.)
- ► Year Opened: 1962
- Property Size
 - > Fee title: 100± acres
 - Avigation easements: None
- ► Airport Classification: General Aviation
- ► Airport Elevation: 73 feet MSL

RUNWAY/TAXIWAY DESIGN

Runway 10-28

- ► Critical Aircraft: Small business jet
- ► Airport Reference Code: B-I (small airplanes)
- Dimensions: 5,002 ft. long, 70 ft. wide
 Runway 28 threshold displaced 300 feet
- Pavement Strength (main landing gear configuration)
 > 70,000 lbs (dual wheel)
- ► Average Gradient: 0.6% (rising to west)
- Runway Lighting
- Low-intensity edge lights (LIRL)
- > Primary Taxiways: Full-length parallel on south

APPROACH PROTECTION

- ► Runway Protection Zones (RPZ)
 - > Runway 10: 1,000-ft. long; 50±% on airport property
 - > Runway 28: 1,000-ft. long; 70±% on airport property
- Approach Obstacles
 - → Runway 10: None
 - > Runway 28: Road
 - Trees 125 ft. north of runway granted California Division of Aeronautics waiver of transitional surface limits; trees restricted to 25 feet in height

AIRPORT PLANNING DOCUMENTS

- ► Airport Master Plan
- None
- Airport Layout Plan Drawing
 Last updated 2001
- Bermuda Dunes Airport Noise Study
 Propagad in 1086 by Aviation Systems
- Prepared in 1986 by Aviation Systems Associates, Inc.
 Riverside County Permit
 - Airport operates under Riverside County Conditional Use Permit expiring 2023

TRAFFIC PATTERNS AND APPROACH PROCEDURES

- ► Airplane Traffic Patterns
 - > Runways 10 and 28: Left traffic
 - Pattern altitude: 1,000 ft. AGL (1,500 ft. advised for turbine aircraft)
- Instrument Approach Procedures (best minimums)
 Runway 28 VOR
 - Circling (1 mi. visibility, 847 ft. min. descent height)
 Runway 28 RNAV (GPS)
 - Nonprecision straight-in or circling (1¼ mi. visibility; 954 ft. min. descent height)
- Visual Approach Aids
 - Airport: Rotating beacon
 - > Runway 28: VASI (3.0°)
- Operational Restrictions / Noise Abatement Procedures
 No turbine aircraft operations 11:00 p.m.–6:00 a.m.
 - No agricultural operations without prior authorization
 - Parallel twy closed to aircraft with >65 ft. wingspan
 - > Intersection departures prohibited
 - > No straight-in approaches when other aircraft inbound
 - Runway 28 approaches: Maintain pattern altitude until turning to final approach if pattern extends beyond Whitewater River
 - > Runway 28 departures: Make 10° right turn to follow railroad tracks
 - Runway 10 approaches: Maintain pattern altitude until crossing Washington St.

POTENTIAL FACILITY IMPROVEMENTS

- Airfield
 - No changes planned
- Building Area
 - \rightarrow 100 \pm additional hangar spaces contemplated for additional land area
- ► Property
 - 12± acres south of Runway 10 approach end planned for transfer to airport; land currently vacant and under same corporate ownership as airport

BUILDING AREA

- ► Location: South of Runway 28 approach end
- ► Aircraft Parking Capacity
 - \rightarrow Hangar spaces: 60± of various types
 - Tiedowns: 100± paved spaces, including transient spaces; 100± overflow spaces on turf
- Other Major Facilities
 - Terminal Building
- ▶ Services
 - Fuel: 100LL, Jet A (available 6:30 a.m.-8:30 p.m.; no self-service fueling)
 - Other: Aircraft repairs; flight instruction; sales and charter

Exhibit BD-1

Airport Features Summary

BASIC DATA TABLE			The second
AIRPORT DATA	EXISTING	KAG. DEC. 13"47"E (1986)	
Airport Elevation	(Same if Blank) 73.4 End RWY 10		
	49.1 End RWY 28		A REAL AND A
Airport Reference Point (ARP)	33°44`54"N 116°16'26"W	0 /000	
End RWY 28	33°44'45.7"N	SCALE IN FEET	
	115°16'04.5"W		
End RWY 10	33*45'05.1"N		
End RWY 28 Ibreshold	23° 10 10 1 6 1 1 1		
	116° 16' 05, 85"W		RALM SERINGS TOSA
Airport Magnetic Variation	13"47'E (1986)		A THE AND A
Normal Maximum Temperature	105°F (July)		
Airport and Terminal Nav. Aids	Rotating Bescon VOR RWY 28		
	65 ° A6L		
Runway Identification	10/29	H C NT	
Kunwey Azimuth (Irue)	295~50'11.3"	UTHER CRSTA	
	•	E @	
RUNWAY DATA			
Effective Gradient	0.5%	O ONTRY ON	AND LOCATION MAP
% Wind Coverage	Se		SCALE IN MILES
Instrument Runway	VOR RWY 28		
Pavement Type	Asphalt	41 ST AVE (UNINPROVED)	
Pavement Strength	70 D		A TRA
Approach Surfaces	20:1		
Runway Lighting	LIRL		
Runway Marking	Non-Precision VOR		The share and the second second
	Displaced Threshold RWY 28		1 and
Nav, Aids, Visual Aids	VOR RWY 28 VASI RWY 28		Content of the second sec
Taxiway Clearance (Min.)	RNAV (GPS) RWY28		and the state of the second state of the secon
Building/Parking Clearance	125' North		● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
	200' South		
	and the second		
LEGEND			
AIRPORT FACILITIES	DIMENSIONS		
(1) Runway	70×5000		
(2) Displaced Theshold	70×500 RWY 28 300°		
() Taxiway	30 W Min.		
 3 Texiway 4 Terminal Building and Mangar with Rotating Beacon 65' AGL 	30 ₩ Min. 120×120×25H		
 3 Taxiway 9 Terminal Building and Mangar with Rotating Beacon 65' AGL (5) Paved Aircraft Parking 	30 W Min. 120x120x25H /C0 Spaces		
 3 Taxiway 4 Terminal Building and Mangar with Rotating Beacon 65' AGL 5 Peved Aircraft Perking 6 Turfed Aircraft Perking 	30 W Min. 120x120x25H /C& Spaces &2 Spaces		
 3 Taxiway 4 Terminal Building and Mangar with Rotating Beacon 65' ASL 5 Paved Aircraft Parking 6 Turfed Aircraft Parking 7 Paved Aircraft Parking 	30 W Min. 120x120x25H 400 Spaces 80. Spaces		
 3 Taxiway 4 Terminal Building and Mangar with Rotating Beacon 65' A6L 5 Paved Aircraft Perking 6 Turfed Aircraft Perking 7 Paved Auto Perking 9 Onto Access 	30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces		
 3 Taxiway 4 Terminal Building and Mangar with Rotating Beacon 65' AGL 5 Paved Aircraft Perking 6 Turfed Aircraft Perking 7 Paved Auto Perking 8 Auto Access 9 Nazard Light (3) 	30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces		
 (a) Taxiway (b) Terminal Building and Mangar with Rotating Beacon 65' AGL (c) Paved Aircraft Parking (c) Turfed Aircraft Parking (c) Paved Auto Parking (c) Paved Auto Parking (c) Bud Access (c) Mazard Light (3) (c) Fuel Steams and Rump 	30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces		
 (a) Taxiway (b) Terminal Building and Mangarwith Rotating Beacon 65' ABL (c) Paved Aircraft Parking (c) Turfed Aircraft Parking (c) Paved Auto Parking (c) Paved Auto Parking (c) Auto Access (c) Hazard Light (3) (c) Fuel Storage and Pumps (c) THANGARS AUNTYS 	30 W Min. 120x120x25H 100 Spaces 30 Spaces 133 Spaces 30 H 24,000 Gal. 16 H		
 (a) Taxiway (b) Taxiway (c) Taxiway (c) Taxiway (c) Taxiway (c) Turfed Aircraft Parking (c) Paved Auto Parking (c) Paved Pav	30 W Min. 120x120x25H /00 Spaces 30 Spaces 133 Spaces 30 H 24,000 Gal. 16 K (1) PROPOSED T-HANGARS H-14		
 (3) Taxiway (4) Terminal Building and Hangerwith Rotating Beacon 65' ABL (5) Paved Aircraft Parking (6) Turfed Aircraft Parking (7) Paved Auto Parking (8) Auto Access (9) Fuel Storage and Pumps (10) THANGARS 43 UNITS (10) G' Pencing on perimeter except Tract 2542 	30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces 30. H 24,000 Gal. 16 H (15) PROPOSED T-HANGARS H-14 (15) PROPOSED HANGAR H-32		
 (3) Taxiway (4) Terminal Building and Hangar with Rotating Beacon 65' ABL (5) Paved Aircraft Parking (6) Turfed Aircraft Parking (7) Paved Auto Parking (8) Auto Access (9) Fuel Storage and Pumps (10) THANGARS 43 UNITS (10) Content and Access Automatic Access (11) Automatic Access (12) Automatic Access (13) Automatic Access (14) Automatic Access (15) Automatic Access (16) Automatic Access (17) Automatic Access (17) Automatic Access (17) Automatic Access (18) Automatic Access (30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces 30.H 24,000 Gal. 16 H (12) PROPOSED T-HANGARS H-14 (12) PROPOSED HANGAR H-32		
 (a) Taxiway (b) Taxiway (c) Taxiway (c) Taxiway (c) Taxiway (c) Terminal Building and Hangar with Rotating Beacon 65' ABL (c) Paved Aircraft Parking (c) Turfed Aircraft Parking (c) Paved Auto Parking	30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces 30.H 24,000 Gal. 16 H (12) PROPOSED T-HANGARS H-14 (12) PROPOSED HANGAR H-32		
 (3) Taxiway (3) Taxiway (4) Terminal Building and Hangar with Rotating Beacon 65' ABL (5) Paved Aircraft Parking (6) Turfed Aircraft Parking (7) Paved Auto Parking (8) Auto Access (8) Auto Access (9) Paved Auto Parking (10) Paved Auto Parking (11) Paved Auto Parking (12) Fencing on perimeter except Tract 2542 (12) Wind Indicator, Seg. Circle (13) Runway Clear Zone (RPZ) (15) Property Line ————————————————————————————————————	30 W Min. 120x120x25H 100 Spaces 80. Spaces 133 Spaces 30.H 24,000 Gal. 16 H (13) PROPOSED T-HANGARS H-14 (13) PROPOSED HANGAR H-32		
 (3) Taxiway (3) Taxiway (4) Terminal Building and Hangar with Rotating Beacon 65' ABL (5) Paved Aircraft Parking (6) Turfed Aircraft Parking (7) Paved Auto Parking (8) Auto Access (8) Auto Access (9) Paved Auto Parking (10) Paved Auto Parking (11) Paved Auto Parking (12) Paved Auto Parking (12) Paved Auto Parking (12) Paved Auto Parking (13) Paved Auto Parking (14) Paved Auto Parking (15) Paved Auto Parking (16) Paved Auto Parking (17) Paved Auto Parking (18) Pave Paved Auto Parking 	30 W Min. 120x120x25H //00 Spaces 30 K 24,000 Gal. 16 K (13) PROPOSED T-HANGARS H-14 (13) PROPOSED HANGAR H-32 ENV, 28 100; RWY 10 BLAST PAD/STOPWAY 200		
 (a) Taxiway (b) Taxiway (c) Taxiway (c) Taxiway (c) Taxiway (c) Turfed Aircraft Parking (c) Paved Auto Parking (c) Pav	30 W Min. 120x120x25H 100 Spaces 30 Spaces 133 Spaces 30 H 24,000 Eal. 16 H (12) PROPOSED T-HANGARS H-14 (12) PROPOSED HANGAR H-32 RWY 28 100', RWY 19 BLAST PAD/STOPWAY 200'		
 (3) Taxiway (3) Taxiway (4) Terminal Building and Mangar with Rotating Beacon 65' ABL (5) Paved Aircraft Parking (6) Turfed Aircraft Parking (7) Paved Auto Parking (8) Auto Access (8) Auto Access (9) Paved Auto Parking (9) Auto Access (9) Paved Auto Parking (9) Auto Access (9) Paved Auto Parking (9) Paved Auto Parking (9) Auto Access (9) Paved Auto Parking (9) Paved Auto Parking (9) Paved Auto Parking (9) Fuel Storage and Pumps (10) THANGARS 43 UNITS (11) Fuel Storage and Pumps (11) THANGARS 43 UNITS (12) For Pencing on perimeter except Tract 2642 (13) Wind Indicator, Seg. Circle (14) Runway Clear Zone (REZ) (15) Property Line	30 U Min. 120x120x25H 100 Spaces 30 H 24,000 Bal. 16 H (18) PROPOSED T-HANGARS H-14 (18) PROPOSED HANGAR H-32 RWY 28 100', RWY 10 BLAST PAD/STOPWAY 200'		
 (3) Taxiway (3) Taxiway (4) Terminal Building and Mangar with Rotating Beacon 65' ABL (5) Paved Aircraft Parking (6) Turfed Aircraft Parking (7) Paved Auto Parking (8) Auto Access (9) Paved Auto Parking (9) Paved Auto Parking (9) Auto Access (9) Paved Auto Parking (9) Auto Access (9) Paved Auto Parking (9) Publ Storage and Pumps (10) Fuel Storage and Pumps (11) THANGARS '43 UNITS (12) File Storage and Pumps (13) THANGARS '43 UNITS (14) For Parking on perimetar except Iract 2642 (15) Wind Indicator, Seg. Circle (14) Runway Clear Zons (REZ) (15) Property Line	30 U Min. 120x120x25H 100 Spaces 30 H 24,000 Gal. 16 H (18) PROPOSED T-HANGARS H-14 (18) PROPOSED HANGAR H-32 RWY 28 100', RWY 10 BLAST PAD/STOPWAY 200'		
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 (a) Taxiway (b) Taxiway (c) Taxiway (c) Taxiway (c) Turfed Aircraft Parking (c) Paved Aircraft Parking (c) Turfed Aircraft Parking (c) Turfed Aircraft Parking (c) Paved Auto Parking (c) Property Line	30 W Min. 120x120x25H 100 Spaces 30 H 24,000 Eal. 16 H (1) PROPOSED T-HANGARS H-14 (1) PROPOSED HANGAR H-32 RWY 28 100, RWY 10 BLAST PAD/STOPWAY 200' 30 H 30		2000 4465 5000 632 159 2000 1000 CLEAR PARK 2000 1000 CLEAR PARK 2001 1000 CLEAR PARK 2001 1000 CLEAR PARK 2001 1000 CLEAR PARK 1000 1000 CLEAR PARK
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C/L RUNWAY AND APPROACHES



BASED AIRCRAFT		TIME OF DAY DISTRIBUTION [°]				
	Current ^a		Duciness late & Turberrane	Current	Future	
	2002 data	Ultimate	Business Jets & Turboprops	0.0%	20	
			Day Evoning	90%	change	
Aircraft Type	05		Night	0 /0	change	
Single-Engine	85	data	Other Aircraft	2 /0		
	22	data	Dav	81%	20	
(piston & turboprop)	0	not	Evening	15%	change	
	6	avallable	Night	10/6	change	
Helicopters	3	050	Night	4 /0		
10001	116	250	- RUNWAY USE DISTRIBUTION °			
				Current	Future	
AIRCRAFT OPERATIONS		Future	All Aircraft – Dav/Evening/Night			
	2002 data	l Iltimato	Takeoffs & Landings			
Total	2002 0010	Onimate	Runway 10	20%	no	
Appual	42.000c	75.000 ^b	Runway 28	80%	change	
	42,000	205				
Average Day, Annual Average Day, Peak Seas	230 ac	400	FLIGHT TRACK USAGE ^C			
Average Day, Fear Seas	511 250	400	(Current & Future)			
Distribution by Aircraft Type $^{\circ}$			Takeoffs, Runway 10 – All Ai	rcraft		
Single-Engine 42%		40%	> 80% left turn or traffic pattern			
Twin-Engine Piston	10%	8%	> 20% straight out			
Twin-Engine, Turboprop	10%	12%	Tala affa Durana 00 Dura	I-+- 0 T .		
Business Jet 33%		36%	Iakeoffs, Runway 28 – Business Jets & Turboprops		urboprops	
Helicopter	5%	4%	> 10% left turn or downwind departure			
·			> 60% noise abatement turr	n (10 right tu	rn to rail line)	
Distribution by Type of Opera	ation ^c		> 30% straight out			
Local	25%	20%	 Takeoffs, Runway 28 – Pisto 	n Airplanes		
(incl. touch-and-goes)			> 30% left turn or traffic patt	ern		
Itinerant	75%	80%	 65% noise abatement turn (10° right turn to rail line) 5% straight out 		rn to rail line)	
			Takeoffs, Both Runways – Helicopters			
			 100% straight out along freeway 			
				► Landings Both Bunways – All Airplanes & Heliconters		
			 Landings, both nurways – All Alipianes & Helicopters 80% traffic pattern 			
			> 20% straight in			
			, 20,0 Straight in			

Notes

- ^a Source: Airport management records
- ^b Projections based upon physical capacity of airport property for parking aircraft; time frame is indefinite, but is assumed to be at least 20 years in the future
- ^c Source: Estimated by Mead & Hunt from information provided by airport management and/or from California Division of Aeronautics acoustical counter data

Exhibit BD-3

Airport Activity Data Summary



Exhibit BD-4

Existing Noise Impacts: Average Annual Day



Exhibit BD-5

Existing Noise Impacts: Average Peak Season Day



Exhibit BD-6

Future Noise Impacts: Average Annual Day



Future Noise Impacts: Average Peak Season Day

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AIRPORT SITE

- ► Location
 - Central Riverside County
 - > 13 miles southeast of Palm Springs
- ► Nearby Terrain
 - \blacktriangleright Situated on floor of Coachella Valley at 70± ft. elevation; relatively flat terrain nearby
 - East face of San Jacinto Mountains 5± miles southwest; Indio Mtn. (elev. 2,226 ft.) 6 miles southwest
 - \blacktriangleright Indio Hills 4± miles northeast

EXISTING AIRPORT AREA LAND USES

- ► General Character
 - Union Pacific Railroad line and Interstate 10 border north side of airport
 - Mostly urbanized south of freeway; partially developed, partially agriculture to north
- Runway Approaches
 - West (Runway 10): Mixture of undeveloped land and low-density residential plus freeway right-of-way
 - East (Runway 28): Freeway overpass within 1,000 ft. of runway end; undeveloped lands, highway r.o.w. beyond
- ► Traffic Pattern
 - North: Predominantly agricultural with some lowdensity and newer medium-density residential
 - > South: Residential area of Bermuda Dunes

PLANNED AIRPORT AREA LAND USES

- ► Riverside County
 - > Mostly continuation/infill of existing land use pattern
 - > Light industrial area at west end of runway
- ► City of La Quinta
 - South: Low-density residential planned for annexation area adjacent to south edge of Bermuda Dunes
- ► City of Palm Desert
 - West: Minimal changes anticipated; land use pattern largely established
 - No land use planning yet done for future Bermuda Dunes area annexation

AIRPORT ENVIRONS LAND USE JURISDICTIONS

- ► County of Riverside
 - Airport and adjacent lands to south part of unincorporated community of Bermuda Dunes
- ► City of Indio
 - > City limits adjoin airport to north and east
- ► City of La Quinta
 - City boundary 1.3± miles south
 - > Sphere of influence has minor northward extension
- City of Palm Desert
 City boundary 1.3± miles west

STATUS OF COMMUNITY PLANS

- ► Riverside County
 - General Plan, a portion of Riverside County Integrated Project, adopted by Board of Supervisors Oct. 2004
- ► City of Indio
 - General Plan adopted October 1993
 - > Land use map updated October 1998
 - > General Plan update in progress as of mid 2003
- City of La Quinta
 - > General Plan adopted early 2002
 - > Land use map updated March 2002
- City of Palm Desert
 General Plan update in progress as of mid 2003
- ► City of Indio
 - North: New industrial and community commercial areas north of Interstate 10, across from airport west of Jefferson Street
 - Northeast: New residential planned development east of Jefferson Street; neighborhood commercial adjacent to freeway
 - East: Industrial and commercial uses for ±2 miles along extended Runway 28 centerline
 - > Southeast: Low-density residential (5 du/ac) $\pm \%$ mile from runway end including beneath traffic pattern

Exhibit BD-9

Airport Environs Information

ESTABLISHED COMPATIBILITY MEASURES

Riverside County

- ► Riverside County General Plan
 - Prohibit new residential uses, except single-family dwellings on legal residential lots of record, within airports' 60 dB CNEL contour as defined by ALUC (Policy N 7.4)
 - Safety compatibility zones and criteria from previous compatibility plan incorporated into General Plan
 - Review all proposed projects and require consistency with any applicable compatibility plan (LU 14.2)
 - Submit proposed actions and projects to ALUC as required by state law (Policy LU 1.9); other actions may be submitted on voluntary and advisory basis (LU 14.8)

City of Indio

- ► Indio General Plan (1993)
 - Public Health and Safety element policies on airports and associated implementation measures implement 1986 ALUC compatibility plan (pp. 5-28–5-30)
 - > No schools to be located within 2 miles of airport
 - Development proposals involving General Plan amendment to be submitted to ALUC for review (no mention made of zoning changes)
 - High risk and critical facility uses prohibited in airport influence area
 - Residences permitted within 65-CNEL contour if insulated to achieve 45 CNEL interior maximum
 - Avigation easements required for all new land uses in airport influence area
- ► Other Policies
 - No apparent reference to airport compatibility matters, including airport-related height limits, or to ALUC referral requirements in zoning code

City of La Quinta

- ► City of La Quinta General Plan (2002)
 - Bermuda Dunes Airport not specifically mentioned, only Desert Resorts Regional Airport
 - Program 4.1 calls for new standards to "maximize the need for public safety" for development near airports

City of Palm Desert

- > No mention of airport in general plan or zoning code
- > No specific airport compatibility policies
- Structure height limits, including antennas, 70 feet or less depending upon zoning district

Exhibit BD-9, continued





General Plan Land Use Designations Bermuda Dunes Airport Environs

County of Riverside: General Plan (2003) and Western Coachella Area Plan

Residential Land Use

- ► Compatibility Zone B2
 - Medium-Density Residential (2.1 to 5.0 dwelling units per acre) and Low-Density, Very-Low Density, and Estate Density Residential (0.4 to 2.0 dwelling units per acre) designations south of runway [R2] conflict with Zone B2 compatibility criteria
- ► Compatibility Zone C
 - At 8.1 to 14.0 dwelling units per acre, the area designated as High-Density Residential west and northwest of airport [R3] conflicts with *Zone C* compatibility criteria
- ► Compatibility Zone D
 - Medium-Density Residential (2.1 to 5.0 dwelling units per acre) and Low-Density, Very-Low Density, and Estate Density Residential (0.4 to 2.0 dwelling units per acre) designations north of airport [R4] potentially conflict with the high- and- low options for Zone D
 - Medium-Density Residential (2.1 to 5.0 dwelling units per acre) designation south of airport [R5] potentially conflicts with the high- and- low options for *Zone D*
- ► Compatibility Zone E
 - No inconsistencies noted

Other Policies

- ▶ General Plan
 - Acknowledgement of ALUC policies-no conflict
 - Established ALUC 60 dB CNEL noise contour policy for new residential development-no conflict
- ► Zoning Codes
 - > No height limit zoning established

Non-Residential Land Use

- Compatibility Zone A
 - A potential conflict exists in Zone A; half of Zone A is designated as Light Industrial /Warehousing west of airport [R6]; no structures are allowed in Zone A
- ► Compatibility Zone C
 - Potential Conflict: Zone C intensity limits (75 people/acre)apply to areas designated as Low-Intensity Commercial/Office and Light Industrial/Warehousing northwest of airport [R7]
- ► Compatibility Zone D
 - Potential Conflict: Zone D intensity limits (100 people/acre) apply to areas designated as Low-Intensity Commercial/Office and Light Industrial/Warehousing northwest of airport [R8]

Note: This is an initial land use consistency review prepared for the purpose of identifying areas where a conflict exists or potentially exists with ALUC compatibility zone criteria. This review is based upon available general plan documents and does not take into account existing land use. When a conflict between the general plan and compatibility criteria exists, it is not deemed inconsistent when the general plan is merely representing existing development. A more comprehensive analysis is necessary at the time a general plan land modification is presented to the ALUC for review.

Exhibit BD-11

General Plan Consistency Review (Preliminary)

Bermuda Dunes Airport Environs

CITY OF INDIO: GENERAL PLAN (1998), AND ZONING CODES

Residential Land Use

- ► Compatibility Zone B1
 - Area northwest of airport [IN1] designated as Medium-Density Residential (8.1 to 14.0 dwelling units per acre) conflicts with *Zone B1* compatibility criteria
- ► Compatibility Zone C
 - Area northwest of airport [IN2] indicated as Medium-Density Residential (8.1 to 14.0 dwelling units per acre) designation conflicts with *Zone C* compatibility criteria
 - At 2.1 to 5.0 dwelling units per acre, Country Estates and Residential-Low designations, and Equestrian Estates (0.4 to 2.0 dwelling units/acre) designation southeast of airport [IN3] conflict with Zone C compatibility criteria
- ► Compatibility Zone D
 - At 2.1 to 5.0 dwelling units per acre, Country Estates and Residential-Low designations northeast of airport and Equestrian Estates (0.4 to 2.0 dwelling units per acre) designation north of airport [IN4] potentially conflict with the high- and- low options for Zone D
 - Country Estates and Residential-Low (2.1 to 5.0 dwelling units per acre) designations south and southeast of airport [IN5] potentially conflict with the high- and- low options for *Zone D*
- Compatibility Zone E
 No inconsistencies noted

Other Policies

- ► General Plan
 - Basic approach to implement ALUC policies through incorporation of the ALUC Compatibility Plan; implementation measures are outlined in the General Plan's Public Health and Safety elements
 - The general plan should be amended to incorporate the current ALUC Compatibility Plan with respect to Bermuda Dunes Airport
 - Noise policy allows residences up to 65 dB CNEL if insulated to achieve 45 dB CNEL conflicts with Compatibility Plan limit of 60 dB CNEL even if interior 45 dB CNEL criterion is met; policy does not state what set of noise contours are to be used in application of this criteria
- ► Zoning Codes
 - > Height limit zoning not established

Non-Residential Land Use

- Compatibility Zone A
 - High-Intensity Commercial/ Office use indicated in half of Runway 28 protection zone [IN6] is a potential conflict; no structures are allowed in *Zone A*
- Compatibility Zone B1
 - Potential Conflict: Zone B1 intensity limits (25 people/acre)apply to area designated High-Intensity Commercial/Office northwest of airport [IN7]
 - Potential Conflict: Zone B1 intensity limits (25 people/acre)apply to areas designated as High-Intensity Commercial/Office and Office/Business Park east of airport [IN8]
- ► Compatibility Zone B2
 - Potential Conflict: Zone B2 intensity limits (100 people/acre)apply to area southeast of airport [IN9] designated as Office/Business Park
- ► Compatibility Zone C
 - Potential Conflict: Zone C intensity limits (75 people/acre) apply to area designated as High-Intensity Commercial/Office northwest of airport [IN10]
- ► Compatibility Zone E
 - > No inconsistencies noted

Note: This is an initial land use consistency review prepared for the purpose of identifying areas where a conflict exists or potentially exists with ALUC compatibility zone criteria. This review is based upon available general plan documents and does not take into account existing land use. When a conflict between the general plan and compatibility criteria exists, it is not deemed inconsistent when the general plan is merely representing existing development. A more comprehensive analysis is necessary at the time a general plan land modification is presented to the ALUC for review.

Exhibit BD-11, continued

CITY OF LA QUINTA: GENERAL PLAN (2002), AND ZONING CODES

Residential or Non-Residential Land Use

- ► Compatibility Zone E
 - No consistencies noted

Other Policies

► General Plan

- > No acknowledgement of ALUC policies
- Noise contours for new residential development not established; the general plan should be amended to include a 60 dB CNEL noise contour policy to be consistent with the ALUC Plan
- ► Zoning Codes
 - Height limit zoning not established

Exhibit BD-11, continued

CITY OF PALM DESERT: GENERAL PLAN (2003), AND ZONING CODES

Residential Land Use

- ► Compatibility Zone C
 - Low-Density Residential (2.1 to 5.0 dwelling units per acre) and Medium-Density Residential (5.1 to 8.0 dwelling units per acre) designations west of airport [P1] conflict with *Zone C* compatibility criteria
- ► Compatibility Zone D
 - Low-Density Residential (2.1 to 5.0 dwelling units per acre) and Medium-Density Residential (5.1 to 8.0 dwelling units per acre) designations west and southwest of airport [P2] potentially conflict with the high- and- low options for *Zone D*

Other Policies

- General Plan
 - > No acknowledgement of ALUC policies
 - Noise contours for new residential development not established; the general plan should be amended to include a 60 dB CNEL noise contour policy to be consistent with the ALUC Plan
- ► Zoning Codes
 - Height limit zoning not established

Note: This is an initial land use consistency review prepared for the purpose of identifying areas where a conflict exists or potentially exists with ALUC compatibility zone criteria. This review is based upon available general plan documents and does not take into account existing land use. When a conflict between the general plan and compatibility criteria exists, it is not deemed inconsistent when the general plan is merely representing existing development. A more comprehensive analysis is necessary at the time a general plan land modification is presented to the ALUC for review.

Exhibit BD-11, continued



Exhibit BD-11, continued

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