Financial Model Update
Juneau International Airport
City and Borough of Juneau

ATTACHMENT #4
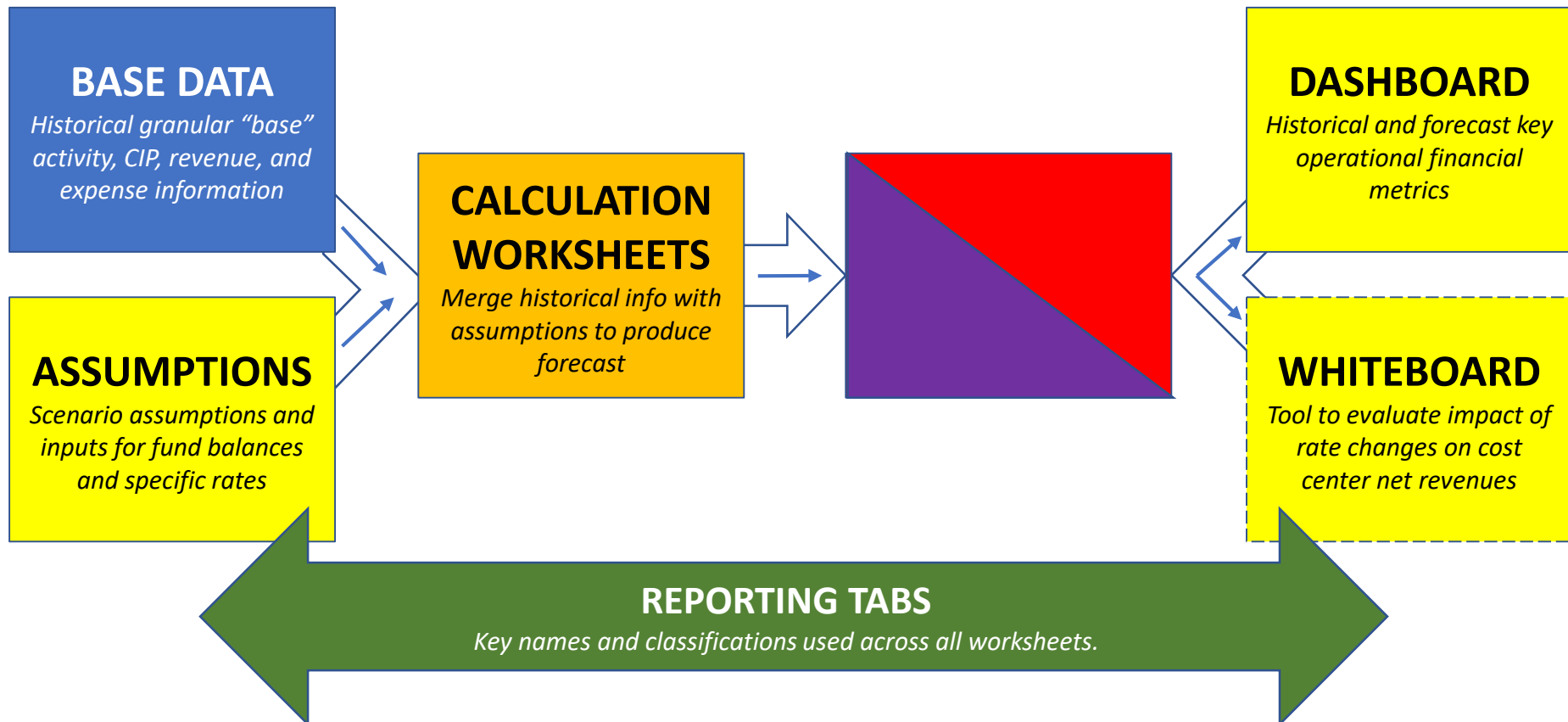
Model Basics

Expenses

Revenues

Air Traffic Activity
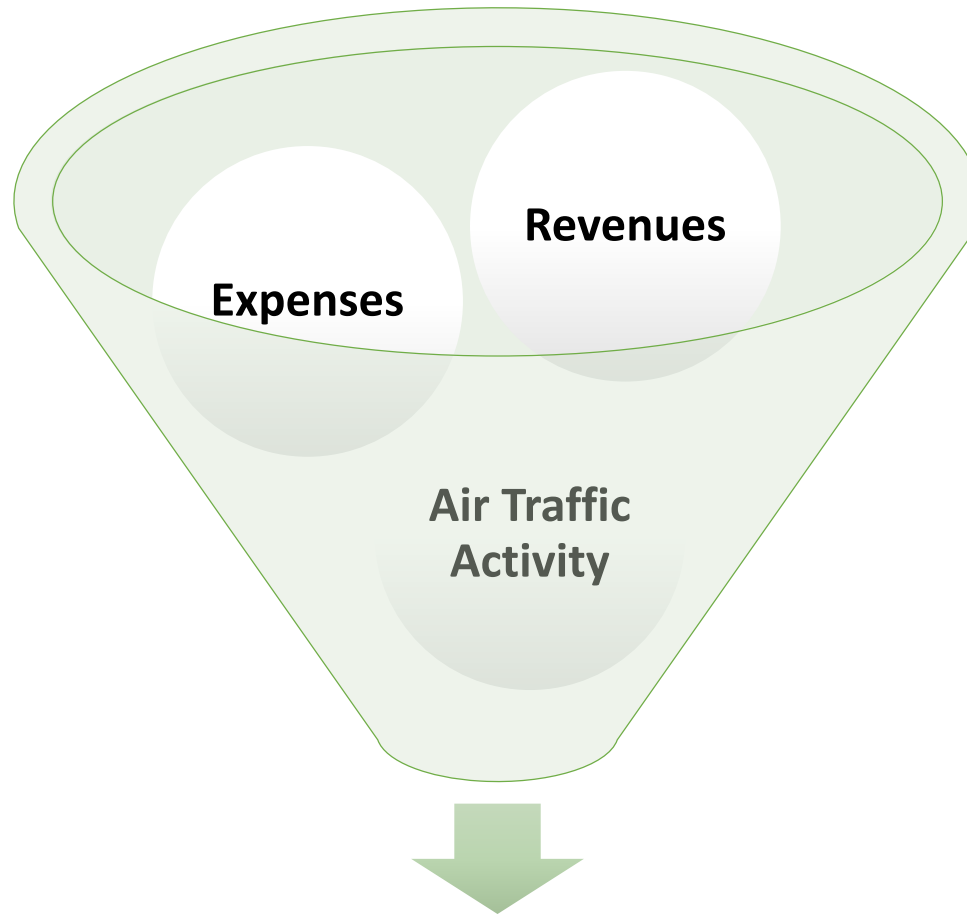
Rates and charges calculations
and supporting output exhibits

Model Architecture

- **Information is organized in the model through different groups of color-coded worksheets**
  - Intent is to clearly segregate inputs from outputs and worksheets with frequent use from those with infrequent use

BASE DATA
Historical granular "base" activity, CIP, revenue, and expense information

CALCULATION WORKSHEETS
Merge historical info with assumptions to produce forecast

DASHBOARD
Historical and forecast key operational financial metrics

ASSUMPTIONS
Scenario assumptions and inputs for fund balances and specific rates

WHITEBOARD
Tool to evaluate impact of rate changes on cost center net revenues

REPORTING TABS
Key names and classifications used across all worksheets.

Example: *Model Input Format (D_O&M)*

Operating Expense Base Data — JNU Financial Model								ACTIVE PROFORMA DATA SET--SELECT ON INPUTS — EXPAND TO SHOW DATA; INPUT DATA SETS TO RIGHT -->	INPUT DATA SET B--PROPOSED BUDGET — EXPAND TO SHOW DATA; INPUT OTHER DATA SETS TO RIGHT -->				

SELECT O&M DATA SET AND PROJECTION METHODOLOGY ON INPUTS TAB -->

| Account | | | | Department | | | Proposed 2022 | Proposed 2023 | Proposed 2024 | Proposed 2025 | Proposed 2026 |
Number	Name	Group	Form 127	Number	Name						
101 - Administration											
5110	Salaries	Personnel	6.1	101	Administration		$1,002,500	$0	$0	$0	$0
5111	Overtime	Personnel	6.1	101	Administration		-	-	-	-	-
5116	Accrued leave	Personnel	6.1	101	Administration		-	-	-	-	-
5120	Benefits	Personnel	6.1	101	Administration		482,000	-	-	-	-
5130	Workers compensation	Personnel	6.1	101	Administration		12,100	-	-	-	-
5140	Engineering workforce	Personnel	6.1	101	Administration		(570,600)	-	-	-	-
5150	Indirect cost alloc - CBJ OH	Commodities and Services	6.6	101	Administration		-	-	-	-	-
5200	Business travel	Travel and Training	6.6	101	Administration		-	-	-	-	-
5202	Travel and training	Travel and Training	6.6	101	Administration		500	-	-	-	-
5310	Telephone	Commodities and Services	6.2	101	Administration		12,000	-	-	-	-
5320	Printing	Commodities and Services	6.3	101	Administration		1,000	-	-	-	-
5322	Advertising	Commodities and Services	6.3	101	Administration		-	-	-	-	-
5332	Electricity	Commodities and Services	6.2	101	Administration		1,000	-	-	-	-
5335	Water service	Commodities and Services	6.2	101	Administration		11,100	-	-	-	-
5336	Wastewater service	Commodities and Services	6.2	101	Administration		20,200	-	-	-	-
5360	Equipment rentals	Commodities and Services	6.6	101	Administration		-	-	-	-	-
5375	Gen liab, Auto, and EE ins	Commodities and Services	6.5	101	Administration		-	-	-	-	-
5380	Dues and subscriptions	Commodities and Services	6.3	101	Administration		12,000	-	-	-	-
5390	Contractual services	Commodities and Services	6.4	101	Administration		4,000	-	-	-	-
5394	Full cost allocation	Commodities and Services	6.6	101	Administration		-	-	-	-	-
5397	Bank card fees	Commodities and Services	6.3	101	Administration		-	-	-	-	-
5480	Office supplies	Commodities and Services	6.3	101	Administration		-	-	-	-	-
5481	Postage and parcel post	Commodities and Services	6.3	101	Administration		-	-	-	-	-
5490	Material and commodities	Commodities and Services	6.3	101	Administration		-	-	-	-	-
5494	Loss contingency	Commodities and Services	6.3	101	Administration		1,000	-	-	-	-
5496	Minor equipment	Commodities and Services	6.3	101	Administration		2,600	-	-	-	-
TOTAL							$1,367,500	$0	$0	$0	$0

Uses CBJ account and department numbers and groups

Rates and charges options: User can enter specific rate, or use model to calculate cost-recovery rate

Non-Signatory rate premiums

Part 135/Part 121 Airfield cost split

Example: *Rate Whiteboard*

Example: *Landing Fee Calculation (ExE1_AF)*

		O	P	Q	R	S	T	U	V	W	X	
						Exhibit E-1						
					CALCULATION OF AIRFIELD RATES AND CHARGES							
					Juneau International Airport							
					For Fiscal Years ending June 30							
		Actual	Actual	Actual	Actual	Projected	Revised	Forecast	Forecast	Forecast	Forecast	
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
149												
150	Reallocation of ARFF Costs											
151	O&M Expenses	[A]	$1,047,473	$1,046,642	$1,028,070	$1,108,917	$1,194,800	$1,210,300	$1,246,800	$1,284,300	$1,322,900	$1,362,800
152	Debt Service	[C]	-	-	-	-	-	-	-	-	-	-
154	Total for Reallocation	[W]	$1,047,473	$1,046,642	$1,028,070	$1,108,917	$1,194,800	$1,210,300	$1,246,800	$1,284,300	$1,322,900	$1,362,800
156	Allocation to Airline/Part 121 users	[X]	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
158	Reallocated ARFF Costs	[Y=W*X]	$995,099	$994,309	$976,666	$1,053,471	$1,135,060	$1,149,785	$1,184,460	$1,220,085	$1,256,755	$1,294,660
159												
160	Less: Airline/Part 121 Nonairline											
161	Revenue Credits											
162	Fuel flowage fees - airline		($744,025)	($576,021)	($678,568)	($496,860)	($340,000)	($510,000)	($612,800)	($625,100)	($637,600)	($650,400)
163	Security screening fees		(458,332)	(482,442)	(471,505)	(355,687)	(188,600)	(330,000)	(471,900)	(496,200)	(522,000)	(547,700)
164	Aircraft pkg fees - commercial		(22,500)	(22,500)	(22,500)	(22,500)	(22,500)	(22,500)	(22,500)	(22,500)	(22,500)	(22,500)
165	Jetway use fees		(39,000)	(45,750)	(42,800)	(81,000)	(81,000)	(81,000)	(84,000)	(84,000)	(84,000)	(84,000)
167	Total Nonairline Revenue Credits	[Z]	($1,263,857)	($1,126,713)	($1,215,373)	($956,047)	($632,100)	($943,500)	($1,191,200)	($1,227,800)	($1,266,100)	($1,304,600)
168												
169	GA/Part 135 rate base deficit (surplus)	[V]	($357,401)	($310,899)	($354,075)	($314,246)	($184,850)	($235,620)	($272,596)	($276,712)	($280,931)	($288,940)
170												
172		[AA=L+Y+										
173	Net Airline/Part 121 Rate Base Costs	Z+V]	$1,880,550	$2,513,339	$2,340,180	$2,740,652	$3,664,900	$3,383,500	$3,222,792	$3,326,288	$3,432,171	$3,517,620
175	Signatory Airline/Part 121 landed											
176	weight (000s)	[AB]	784,076	875,367	877,108	832,750	957,200	984,680	1,004,210	1,025,290	1,046,370	1,067,450
178	Cost-recovery Signatory Airline/											
179	Part 121 ldg fee rate (per 1,000	[AA/AB]	$2.40	$2.87	$2.67	$3.29	$3.83	$3.44	$3.21	$3.24	$3.28	$3.30
181	**Charged Signatory Airline/Part**											
182	**121 ldg fee rate (per 1,000 lbs)**	[AC]	$2.45	$2.45	$2.45	$2.45	$2.45	$2.45	$2.45	$2.45	$2.45	$3.30
184	Signatory Airline/Part 121											
185	landing fee revenues		$1,967,939	$2,219,439	$2,159,352	$2,078,185	$1,512,000	$1,836,000	$2,460,315	$2,511,961	$2,563,607	$3,517,620
186												
187	**Rate Base Surplus (Deficit)**		$87,389	($293,900)	($180,828)	($662,467)	($2,152,900)	($1,547,500)	($762,477)	($814,328)	($868,565)	$0
188												
189	Non-Signatory landing fee rate		$3.06	$3.06	$3.06	$3.06	$3.06	$3.06	$3.06	$3.06	$3.06	$4.12
190	Non-Signatory rate premium		25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
191												
192	Exhibit E-1 (page 4 of 5)											
194	CALCULATION OF AIRFIELD RATES AND CHARGES											

Sheet tabs: ... ExD_O&M | ExE_Revs | **ExE1_AF** | ExE2_Term | ExE3_CPE | ExF_PFC | ExG_CARES | 3_O&MDet | ExH_AppRev | I_FAA127 | Budget-> | 1_Sum

Calculate

Cost-recovery rate is always calculated and shown

Charged rate also shown . . .

. . . along with resulting cost center surplus or deficit

FRASCA & ASSOCIATES, LLC

ATTACHMENT #4 6

"What If?" Functionality

- Different air traffic activity growth rates for different airlines
- Account-specific or department-specific O&M growth rates
- Different O&M cost center allocation percentages (e.g., allocation of Administration expenses between Airfield and Terminal cost centers)
- Revenue line item-specific forecast assumptions
- Nonairline revenue credit percentages (e.g., credit loading bridge fees to Airfield cost center, Terminal cost center, or some combination of both)
- Inclusion of debt service in rate calculations

- Provides full "line of sight" on effects of rate changes on key financial metrics