

City of Elko           )  
County of Elko        )  
State of Nevada       )

SS     September 27, 2016

The City Council of the City of Elko, State of Nevada met for a regular meeting beginning at 4:00 p.m., Tuesday, September 27, 2016.

This meeting was called to order by Mayor Chris Johnson.

## **ROLL CALL**

**Mayor Present:**     Chris J. Johnson

**Council Present:**   Councilman John Rice  
                          Councilwoman Mandy Simons  
                          Councilman Robert Schmidlein  
                          Councilman Reece Keener

**City Staff Present:**  Curtis Calder, City Manager  
                          Shanell Owen, City Clerk  
                          Aubree Barnum, Human Resources Manager  
                          Dawn Stout, Administrative Services Director  
                          Jonnye Jund, Accounting Manager  
                          Jeremy Draper, Development Manager  
                          Mark Gibbs, Airport Director  
                          James Wiley, Parks and Rec Director  
                          Cathy Laughlin, City Planner  
                          Matt Griego, Fire Chief  
                          Ben Reed Jr., Police Chief  
                          Ted Schnoor, Building Official  
                          Brian Mickels, Golf Maintenance Superintendent  
                          Bob Thibault, Civil Engineer  
                          Dennis Strickland, Public Works Director  
                          Diann Byington, Recording Secretary

## **PLEDGE OF ALLEGIANCE**

## **COMMENTS BY THE GENERAL PUBLIC**

Pursuant to N.R.S. 241, this time is devoted to comments by the public, if any, and discussion of those comments. No action may be taken upon a matter raised under this item on the agenda until the matter itself has been specifically included on a successive agenda and identified as an item for possible action. **ACTION WILL NOT BE TAKEN**

Catherine Wines pointed out the Mayors Arts Awards that will be handed out in November were sitting behind council.

Gina Facinetti, Membership Sales Manager with Reach Air, spoke about their Franchise Agreement. With the new helicopter coming to the hospital, we will still be handling the emergency calls in Elko County. We don't anticipate a huge effect on their business. They average about 70 flights a month out of the area.

Councilman Schmidtlein voiced his concerns about Reach Air bringing in an emergency transport and landing at the hospital when the hospital has a helicopter staged there. He wasn't sure how this was going to work out.

## **I. PRESENTATIONS**

- A. A presentation of a Years of Service Plaque for Golf Maintenance Superintendent Brian Mickels, and matters related thereto. **INFORMATION ONLY-NON ACTION ITEM**

Mayor Johnson presented Brian Mickels with a plaque in recognition of his 28 plus years of service to the city.

Brian Mickels, Golf Maintenance Superintendent, said he has enjoyed his time working for the city. He has worked with two great golf pros and some great staff. It has been fun to do. He is leaving the Golf Course in good hands with Pete Dondero and the staff.

James Wiley, Parks and Recreation Director, said since he has known Mr. Mickels he has grown to appreciate his skills and expertise. He thanked Brian for his dedication.

- B. A presentation of an Appreciation Plaque to California Trails Advisory Board Chairman Kurt Alleman, and matters related thereto. **INFORMATION ONLY-NON ACTION ITEM**

Mayor Johnson presented Mr. Alleman with a plaque for his work on the California Trails Advisory Board.

Mr. Alleman thanked the City for allowing him to serve on the advisory board. He has watched it grow from the very first committee to what it is today.

- C. A reading of a proclamation recognizing the month of October as Breast Cancer Awareness Month, and matters related thereto. **INFORMATION ONLY-NON ACTION ITEM**

Mayor Johnson read the proclamation and presented a copy of it to Steve Mims.

Steve Mims, High Desert Imaging, said a few words about wearing pink in October for Breast Cancer Awareness.

- D. A reading of a proclamation in recognition of Fire Prevention Week, and matters related thereto. **INFORMATION ONLY-NON ACTION ITEM**

Mayor Johnson read the proclamation.



- E. A reading of a proclamation declaring November 1, 2016 as Extra Mile Day, and matters related thereto. **INFORMATION ONLY-NON ACTION ITEM**

Mayor Johnson read the proclamation.

- F. Presentation by Ms. Hilary Fletcher on the Airport Master Plan Forecast, and matters related thereto. **INFORMATION ONLY-NON ACTION ITEM**

This presentation will cover several forecast metrics which will need FAA approval, and are the basis for future facility planning. MG

Hilary Fletcher and Tony Davis, Aviation gave a presentation (Exhibit "A"). They have been compiling information about the airport. They went over the purpose of the Master Plan and what they believe would be the demands on the airport over the next twenty years.

Councilman Rice felt the forecast presented is acceptable to submit to the FAA.

Curtis Calder, City Manager, asked when you compare our airport to other regional airports, how do the load factors compare to a subsidized community.

Mr. Davis said they can operate in a lower revenue type environment because they are subsidized. In order to attract a carrier if SkyWest were to leave the airport, in order to retain a new carrier there may be some kind of minimum revenue guarantee made to a carrier. Unsubsidized markets it is rare to see load factors this low. The carriers are profit oriented. The current load factor is not sustainable and they will pull out at some point.

Ms. Fletcher finished up the presentation.

## **V. NEW BUSINESS**

- A. Ratification of a Concessionaire Agreement filed by Ray & Susie Ortiz, to operate a mobile food truck in the Main City Park, Area 3, and matters related thereto. **FOR POSSIBLE ACTION**

Ray & Susie Ortiz applied for a Concessionaire Agreement to occupy concessionaire space in the Main City Park. The requested hours and days of operation are every month, seven days a week, from 8:00 a.m. to 8:00 p.m. They currently hold an Elko City Business License. SO

Shanell Owen, City Clerk, mentioned the application and a sitemap were included in the packet. This was originally scheduled for the last meeting but there was a glitch in our computer system and this was not included in the agenda. Mr. Calder reviewed everything and approved the concessionaire agreement and that is why this is a ratification. We have everything that we need. They have been operating over there and seem to be happy with the location.

**\*\* A motion was made by Councilman Rice, seconded by Councilwoman Simons, to ratify the Concessionaire Agreement filed by Ray & Susie Ortiz.**

*The motion passed unanimously. (5-0)*

## **VI. PETITIONS, APPEALS, AND COMMUNICATIONS**

- A. Ratification of the Police Chief issuing a 60-day temporary retail beer and wine license and issuing a regular retail beer and wine license to Michael Hachquet, General Manager of Hampton Inn Elko, located at 674 Cimarron Way, Elko, NV 89801, and matters related thereto. **FOR POSSIBLE ACTION**

Chief Reed said the applicant was present. The temporary license was issued for 60 days. There are no issues with the background investigation. He recommended ratification and issuance.

**\*\* A motion was made by Councilman Keener, seconded by Councilwoman Simons, to ratify the 60-day temporary retail beer and wine license and issue a regular retail beer and wine license to the applicant, Hampton Inn Elko, under the name of Mr. Michael Hachquet, located at 674 Cimarron Way.**

*The motion passed unanimously. (5-0)*

## **II. PERSONNEL**

- A. Review, consideration, and possible approval of the revised position description for Water Reclamation Facility (WRF) Assistant Superintendent, and matters related thereto. **FOR POSSIBLE ACTION**

The position description for Water Reclamation Facility Assistant Superintendent has been revised and updated to more accurately reflect the actual requirements and qualifications of the position, in addition to the actual duties performed, and to comply with updated position description standards as recommended by POOL/PACT. AB

Aubree Barnum, Human Resources Manager, explained the current position description was updated in 2007 and there have been a few minor changes since then. Certifications and qualifications were updated.

**\*\* A motion was made by Councilman Schmidtlein, seconded by Councilman Rice, to approve the revised WRF Assistant Superintendent position description as presented effective September 27, 2016.**

*The motion passed unanimously. (5-0)*

## **III. APPROPRIATIONS**

- C. Review and possible approval of Charles Chester Plumbing and Heating Warrants, and matters related thereto. **FOR POSSIBLE ACTION**

**\*\* A motion was made by Councilman Rice, seconded by Councilwoman Simons, to approve the Charles Chester Warrants.**

*The motion passed. (4-0 Mayor Johnson abstained.)*

- B. Review and possible approval of Print 'N Copy Warrants, and matters related thereto. **FOR POSSIBLE ACTION**

**\*\* A motion was made by Councilwoman Simons, seconded by Councilman Rice, to approve the Print 'N Copy warrants.**

*The motion passed. (4-0 Councilman Keener abstained.)*

- A. Review and possible approval of Warrants, and matters related thereto. **FOR POSSIBLE ACTION**

**\*\* A motion was made by Councilwoman Simons, seconded by Councilman Keener, to approve the general warrants.**

*The motion passed unanimously. (5-0)*

- D. Review and possible approval of Canyon Construction Company Warrants, and matters related thereto. **FOR POSSIBLE ACTION**

**\*\* A motion was made by Councilman Rice, seconded by Councilwoman Simons, to approve the Canyon Construction warrants.**

*The motion passed. (4-0 Councilman Schmidlein abstained.)*

**APPROVAL OF MINUTES: September 13, 2016                      Regular Session**

*The minutes were approved by general consent.*

### **III. APPROPRIATIONS (Cont.)**

- E. Consideration and approval for the Fire Department to accept the FY 2015 SAFER Grant from FEMA, and matters related thereto. **FOR POSSIBLE ACTION**

The Staffing for Adequate Fire and Emergency Response Grants (SAFER) was created to provide funding directly to fire departments and volunteer firefighter interest organizations to help them increase or maintain the number of trained, "front line" firefighters available in their communities. The goal of SAFER is to enhance the local fire departments' abilities to comply with staffing, response and operational standards established by the NFPA (NFPA 1710 and/or NFPA 1720). Volunteer Coordinator will be a temporary position that will sunset at the end of the fourth year. Grant funding will include full pay and benefits for the coordinator for all four years. To include step increases and merit pay. Duties of the Volunteer Coordinator will include recruiting and retention of volunteers,

developing programs to augment daily staffing through greater reliance on volunteer firefighters. Included in this grant is also funding for providing personal protective equipment for the Volunteer Coordinator as well as ten (10) volunteers. In the past three years, our volunteer ranks have diminished from thirty (30) to twenty (20). We have been reluctant to replace the ten volunteers due to the cost of providing required safety equipment at a cost of \$3,555 per person. This grant will allow the fire department to bring the volunteer staffing back to previous years with little to no impact on the general fund. There is no match required for this grant program. MG

Chief Griego explained back in spring we asked for approval to apply for this grant. Due to timing we needed to get an acceptance in within 30 days, which fell between council meetings, so we are asking for ratification of the decision to accept this grant.

Councilman Keener asked about getting this renewed for another 4 years.

Chief Griego answered it is not unheard of. If we see the need and apply for this again it is possible.

**\*\* A motion was made by Councilman Keener, seconded by Councilman Rice, to approve the Fire Department to accept the FY2015 SAFER Grant.**

*The motion passed unanimously. (5-0)*

- F. Review, consideration, and possible approval for expenditure up to \$50,000 to assist the Centennial Committee for the two proposed projects in the downtown corridor, and matters related thereto. **FOR POSSIBLE ACTION**

Council approved a request from the Centennial Committee to construct a tower commemorating the founding of the City of Elko along 6<sup>th</sup> Street between Railroad Street and Commercial Street, install the donated stone slab along 7th Street in the expanded park and rename the park 'Centennial Park', and authorize the Centennial Committee to begin fundraising for the projects commemorating the Centennial of the City of Elko at the July 26, 2016 meeting. The projected cost of the two projects is between \$150,000 and \$200,000. The projected cost does not include costs associated with the park expansion. A ground breaking celebration will take place May 1, 2017. The proposed projects are in conformance with the RDA Plan and also conform with the proposed 30% corridor plans. The RDA took action to contribute \$50,000 to the completion of these projects on August 9, 2016. JD

Jeremy Draper, Development Manager, explained we are trying to get a tower constructed along 6<sup>th</sup> Street in the Downtown Corridor. The estimated costs will be \$170,000 plus the cost associated with the plaza that is below that. We will be kicking off fundraising for the project and wanted to know if the City Council was willing to assist.

Curtis Calder, City Manager, said if this is approved we will have to discuss where the money will come from. We have the money but we will have to identify the actual line item.

Mr. Draper added this could also come out of the next budget year.

Councilman Keener said we need to consider that this will be in the corridor for generations. It is an example of public art. Projects like this drive traffic and the public and may even improve the morale in the corridor.

Councilman Rice supports the centennial project. We ought to be funding it.

**\*\* A motion was made by Councilwoman Simons, seconded by Councilman Rice, to contribute \$50,000 towards the completion of the Centennial Projects.**

*The motion passed unanimously. (5-0)*

Councilman Keener thanked everyone for the donation. They are beginning the outreach for fundraising. There is a rotary presentation scheduled for tomorrow and it will help to tell them that there is already some funding in place for this project.

#### **IV. UNFINISHED BUSINESS**

- A. Review, consideration, and possible direction to Staff to initiate the adoption of the 2012 Building and Fire codes, amendments, and matters related thereto. **FOR POSSIBLE ACTION**

Previous actions pertaining to the adoption of the 2012 Building and Fire Codes are as follows:

- 1) April 23, 2013 Council action, direct Staff to talk to City Attorney to determine if Business Impact Statement is required.
- 2) November 12, 2013 Business Impact Statement not required. Council action, direct Staff to present to council in January the pros and cons of adoption of the 2012 codes.
- 3) January 28, 2014 Pros and cons presented to Council. Council agreed to follow the County lead to adopt codes. Council action, tabled agenda item.

2012 Codes adopted by: State Fire Marshal, Washoe & White Pine County, Reno, Carson City, Sparks, Winnemucca, Wells. Elko County will address adoption of the 2012 Codes before the end of this year.

Large percentage of submitted plans are designed to the 2012 Codes, these submittals are rejected. Plans are beginning to come in designed under the 2015 Codes. TS

Ted Schnoor, Building Official, explained we are looking for direction in adopting the 2012 codes. It is becoming a concern for us because almost every plan we get is under the 2012 codes. He does not have any amendments to the codes so he is telling the designers that they need to resubmit the plans under the 2009 codes. Now we are getting plans designed under the 2015 codes. The designers are anxious to use the 2015 codes because some of the codes are

more relaxed. He wants council to move to the 2012 codes so he can begin the amendment process.

Mayor Johnson thought we needed to look at 2015 codes.

Mr. Schnoor pointed out that Northern Nevada has decided to go on a 6-year cycle. That is why we are looking at the 2012 codes. He talked to the county and they are not going to the 2015 codes; they are going to the 2012 codes. The Fire Codes also need to be addressed. Since we met last the State has adopted the 2012 International Energy Code and has mandated that we adopt it.

Chief Griego said Fire is also recommending the 2012 codes and staying on the 6-year cycle. Under NRS 477, The State of Nevada is the one that sets the minimum requirements for fire and life safety. City Council can set local amendments that are more stringent but not less stringent than what the state has adopted. If the 2009 code is more stringent then we enforce that code. If the 2012 code is more stringent then we have to use that code.

Councilman Schmidlein said we need continuity between the County and the City. The county is still operating under the 2003 codes. We have to have both parties work together on this. For the city to move forward and update the codes we need to do this together with the county. He wants to make sure that the county will adopt the 2012 codes and then the city adopt the 2012.

Councilwoman Simons wondered if we adopt this maybe the county will move forward with the adoption.

Councilman Rice agreed that we should be aligned but should we be beholding to a decision made by the county.

Councilman Keener felt the world is passing us by. A lot of these standards have already been imposed upon us. It is time we step up and approve the new codes and hope the county will follow our lead.

Catherine Wines, Architect, uses engineers from out of town on many occasions. There is computer software that they use to design. They have upgraded that. It actually costs them money to keep designing to the older standards and she passes that along to her clients. It also costs more money in materials. We are not allowed to use the better materials because we are on the old code. She hopes this spurs the county to move forward.

Councilman Rice said he has confidence in the newer County Commissioners and that this will move ahead. He is concerned more with serving his constituents and their best interests.

Byron Smith, LCA, understands and respects the comments made. When they do a project in the county it doesn't matter what code the city has adopted. What is more important is what the State has adopted. The State Fire Marshal reviews under the 2012 codes and we have to adhere to that code for all fire and life safety issues. As long as we adhere to the more restrictive code the plans will be accepted. The city needs to be a leader with this and not a follower. The state adopted the 2012 energy code. You can still use the same materials but the building needs to be designed to higher energy efficiency standards. That is what is costing extra money. He

strongly encouraged council to get in line with the state. The state is on a 6-year cycle. The next code they will look at will be the 2018 code.

**\*\* A motion was made by Councilman Keener, seconded by Councilman Rice, to adopt the 2012 Building and Fire Codes and amendments.**

*The motion passed unanimously. (5-0)*

## **BREAK**

## **VIII. REPORTS**

### **A. Mayor and City Council**

Councilman Keener thanked staff for the way they handled the concessionaire agreement ratification. He reached out to a citizen that has been before council complaining about the noise at Angel Park and he is pleased with the noise volume going down.

Councilman Rice met with Lt. Governor Hutchinson and discussed economic development and finding our Faraday or Tesla. The County Commission is going to be considering the appointment of a new DA. We need to reach out to our commissioners and let them know our thoughts and recommendations.

## **VII. 6:00 P.M. PUBLIC HEARINGS**

### **A. Review, consideration, and possible action to adopt Resolution No. 28-16, a resolution of the Elko City Council adopting a change in zoning district boundaries from C (General Commercial) to IC (Industrial Commercial) for one parcel, APN 001-564-011, located generally on the north side of Ruby Vista Drive, approximately 1755 ft. east of Jennings Way, filed by Southwest Gas Corporation and processed as Rezone No. 5-16, and matters related thereto. **FOR POSSIBLE ACTION****

The Planning Commission considered the subject zone change request on September 6, 2016 and took action to forward a recommendation to City Council to adopt a resolution which conditionally approves Rezone No. 5-16. CL

Cathy Laughlin, City Planner, explained this property is a potential future site for Southwest Gas Corporation. Utility companies are typically listed under Light Industrial and not General Commercial. A rezone to go to IC it would be a transitional zoning for the area. The IC zoning district is being amended. We are still in the initiation stages of the amendment. We are proposing more commercial design standards in the IC. In Planning Commission last month we got some comment from surrounding properties. Their comments were more concerned with what we would require in the conditional use permit. Southwest Gas would be required to get a CUP because they will be against residential zoning. Southwest Gas has expressed what their facility plans are and we feel their needs and proposed use would fit well into IC zoning. The applicant was present.

Councilman Rice noted this is a zone change and has nothing to do with the conditional use permit.

Sam Billing, Linkan Development, 2720 Ruby Vista Drive, said his business is across the street from the parcel. His main concern was that the zoning be contingent upon the sale. We have a parcel that was changed to LI speculating upon a sale.

Ms. Laughlin said if you look at the resolution, condition no. 2 does state that the rezone is contingent upon the sale of the property.

**\*\* A motion was made by Councilman Keener, seconded by Councilman Schmidlein, to adopt Resolution No. 28-16.**

*The motion passed unanimously. (5-0)*

- B. Review, consideration, and possible action to adopt Resolution No. 29-16, a resolution of the Elko City Council adopting a change in zoning district boundaries from GI (General Industrial) to IC (Industrial Commercial) for one parcel, APN 001-630-017, located generally on the southwest corner of River Street and 12<sup>th</sup> Street, filed by Big Foot Holdings, LLC and processed as Rezone No. 6-16, and matters related thereto. **FOR POSSIBLE ACTION**

The Planning Commission considered the subject zone change request on September 6, 2016 and took action to forward a recommendation to City Council to adopt a resolution which conditionally approves Rezone No. 6-16. CL

Ms. Laughlin explained it was asked that this be tabled. There was an error in the legal description that was provided to us.

**\*\* A motion was made by Councilman Rice, seconded by Councilman Keener, to table.**

*The motion passed unanimously. (5-0)*

## **VIII. REPORTS (Cont.)**

*Councilman Keener said he is very concerned about Question No. 2 on the ballot. It is devastating in our community since we are mining based and safety is #1. He would like to work with the Police Chief to pen something to be published in the paper prior to the election. Chief Reed said when he reads Question No. 2, the only control at the local level would be the zoning that would allow it. Our current population would allow for two dispensaries. Colorado has done studies each year since recreational marijuana has been made legal. You can find their extensive report on the internet.*

- B. City Manager

*Curtis Calder said the actual motion for the adoption of the 2012 codes was to approve the initiation of the adoption of the codes. He didn't feel it needed to be a new motion but staff will be bringing back the formal code adoption for this. It is a process with first reading, seconded reading and public hearing. The Central Dispatch Executive Board will meet next week to*



*discuss the recent significant donations to the E911 fund. League of Cities, if you are planning on going please get with Kim for reservations. He has completed the AO evaluations for the year. We just completed redoing the flooring at the Animal Shelter.*

- C. Assistant City Manager
- D. Utilities Director
- E. Public Works
- F. Airport Director
- G. City Attorney
- H. Fire Chief

*Chief Griego reported they have hired a Fire Marshal; John Holmes out of Kingman, AZ. He will be reporting for work October 10. Friday we will be interviewing for Deputy Chief.*

- I. Police Chief

*Chief Reed reported he just talked to a State Official and if we act quickly, we can apply for a grant for E-Cites or electronic citations. We are one of the last few areas that do not have this. We budgeted for this but we have an opportunity for a grant from the state. We would have to do a 20% match.*

- J. City Clerk
- K. City Planner

*Cathy Laughlin said she read some articles regarding zoning for marijuana dispensaries. We need to be one step ahead of the game if this does pass so we can legally restrict the dispensaries in some of our zoning districts.*

- L. Development Manager
- M. Administrative Services Director
- N. Parks and Recreation Director

*James Wiley said the bollards and chains were installed at Angel Park but since there is a vacant lot next to it they haven't locked the gate yet. Public Works will be installing some boulders and swales to keep vehicles from entering the park from there. All the sprinkler heads have been installed at the golf course. There is some programming to be done. The waterline to the maintenance building is being backfilled tonight. The last remaining item is the paving of the cart paths. The pavers are scheduled to come in next week. He is waiting for the contracts from KAP for the pool boiler project. In the meantime we accepted a proposal for the asbestos abatement. There is also a geothermal project going on that has been awarded to Snyder Mechanical. He met with Snyder Mechanical today and found out that there will be some inconveniences with the pool and the water being heated so the water will be chilly for a couple of weeks. We may need to cancel the Pumpkin Bob Event.*

- O. Civil Engineer
- P. Building Official

## **COMMENTS BY THE GENERAL PUBLIC**

Pursuant to N.R.S. 241, this time is devoted to comments by the public, if any, and discussion of those comments. No action may be taken upon a matter raised under this

item on the agenda until the matter itself has been specifically included on a successive agenda and identified as an item for possible action. **ACTION WILL NOT BE TAKEN**

*There were no public comments.*

There being no further business, Mayor Chris Johnson adjourned the meeting.

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Mayor Chris Johnson

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Shanell Owen, City Clerk



EXHIBIT "A"



WELCOME

ELKO REGIONAL AIRPORT



GATES



AVIATION







AVIATION®



DESTINATION: EKO



## *Today's Outcomes*

- Knowledge of the purpose and objectives of the Master Plan
- An overview of EKO's inventory and existing conditions
- An awareness of current aviation trends
- An understanding of EKO's 20 year aviation demand forecasts
- Agreement on next steps

***Purpose:*** The study will focus on aeronautical forecasts, need and justification for development and a staged plan for the recommended development designed to result in a ***safe, efficient, economical and environmentally acceptable*** air transportation facility. In addition, the study will evaluate opportunities for non-aviation related development.

# The Master Planning Process...

## Key Features

- Planning is not prejudicial or constrained- *no predetermined outcomes*
- Plan must be based on current conditions, community input, FAA design standards, and forecasts

APPROVED FORECAST

PREFERRED ALTERNATIVE

CAPITAL IMPROVEMENT  
PLAN/AIRPORT LAYOUT PLAN

MASTER  
PLAN  
PROCESS

### INVESTIGATION

PRE-PLANNING  
INVENTORY  
FORECASTS &  
PLANNING  
ACTIVITY LEVELS

PREPARATION

### SOLUTIONS

FACILITY  
REQUIREMENTS  
ALTERNATIVE  
ANALYSIS  
CONTINGENCY  
SCENARIO  
DEVELOPMENT  
IDENTIFICATION  
OF PREFERRED  
ALTERNATIVES

EVALUATION

### IMPLEMENTATION

FINANCIAL  
PLANNING  
IMPROVEMENT  
PLAN (CIP)  
FINAL MASTER PLAN  
DOCUMENTATION  
AIRPORT LAYOUT  
PLAN (ALP)

DOCUMENTATION

PUBLIC OUTREACH



## ***Work-to-Date...***

### **Completed:**

- Draft of introduction, inventory and forecast draft chapters
- Online survey of tenants and users
- Focus group meetings with
  - Tenants and users
  - Agencies and stakeholders
  - General Aviation pilot community

### **Underway:**

- Initiated Cultural Resource Inventory
- Currently reviewing draft Industry, Market, and Feasibility Analyses evaluating commercial non-aeronautical development

# Our inventory of existing conditions *includes:*

## **Airfield Facilities**

- Runways, taxiways, lighting

## **Landside Facilities**

- Terminal building, hangars, aprons, tiedowns, cargo/ other operations, Air Traffic Control Tower (ATCT), snow removal equipment (SRE), airfield maintenance, fuel farm, access roadways and parking, etc.

## **Airspace Systems**

- Air Traffic service area, communications, airspace, navigational aids, airspace surfaces

## **Airport setting**

- Socioeconomic, land use, future development initiatives, area geopolitical topics

## **Environmental setting**

- Air quality, noise, biological resources, cultural resources, etc.

## **Other data**

- Operational data, financial data

## ***General Aviation Trends***



- Active general aviation fleet is forecasted to increase 0.2 percent a year between 2015 and 2036 with corporate aviation being the strongest segment in the general aviation market
- General aviation hours flown is projected to increase an average of 1.2 percent per year through 2036, as growth in turbine, rotorcraft, and experimental hours offset a decline in fixed-wing piston hours

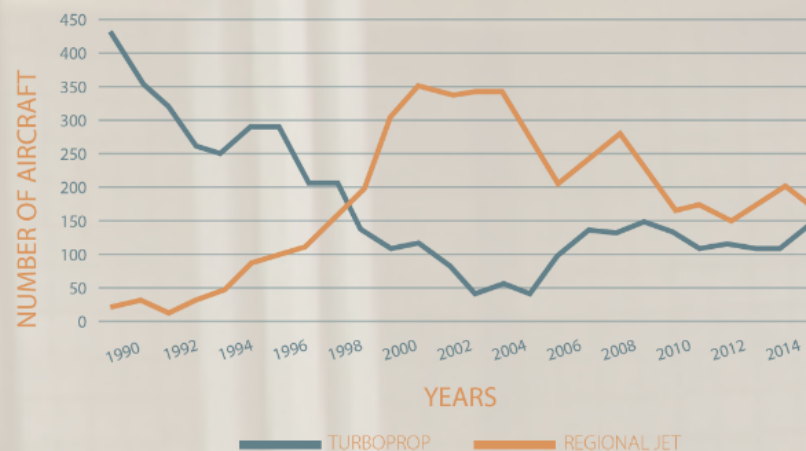


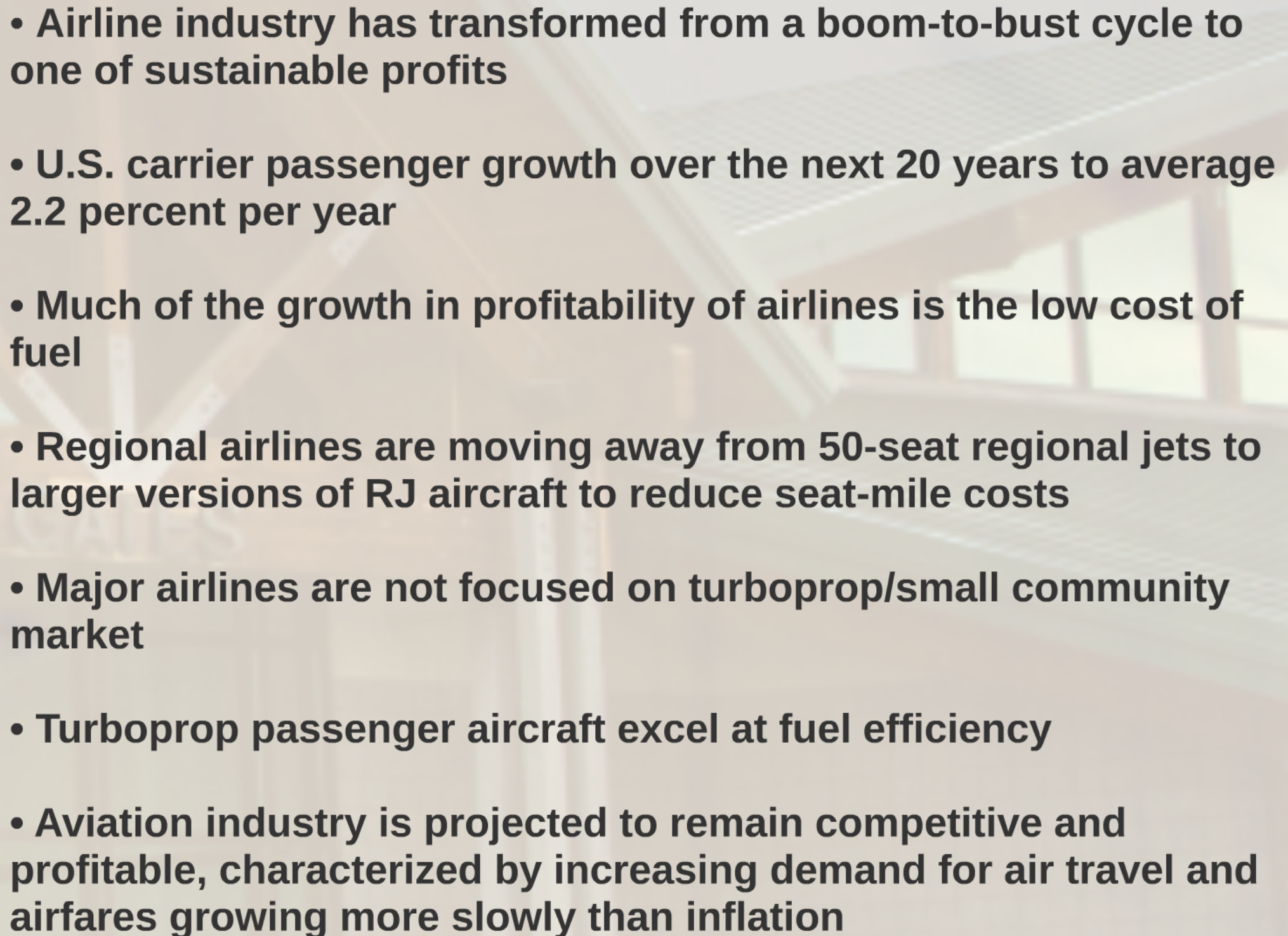
## Commercial Service Trends



- Airline industry has transformed from a boom-to-bust cycle to one of sustainable profits
- U.S. carrier passenger growth over the next 20 years to average 2.2 percent per year
- Much of the growth in profitability of airlines is the low cost of fuel
- Regional airlines are moving away from 50-seat regional jets to larger versions of RJ aircraft to reduce seat-mile costs
- Major airlines are not focused on turboprop/small community market
- Turboprop passenger aircraft excel at fuel efficiency
- Aviation industry is projected to remain competitive and profitable, characterized by increasing demand for air travel and airfares growing more slowly than inflation

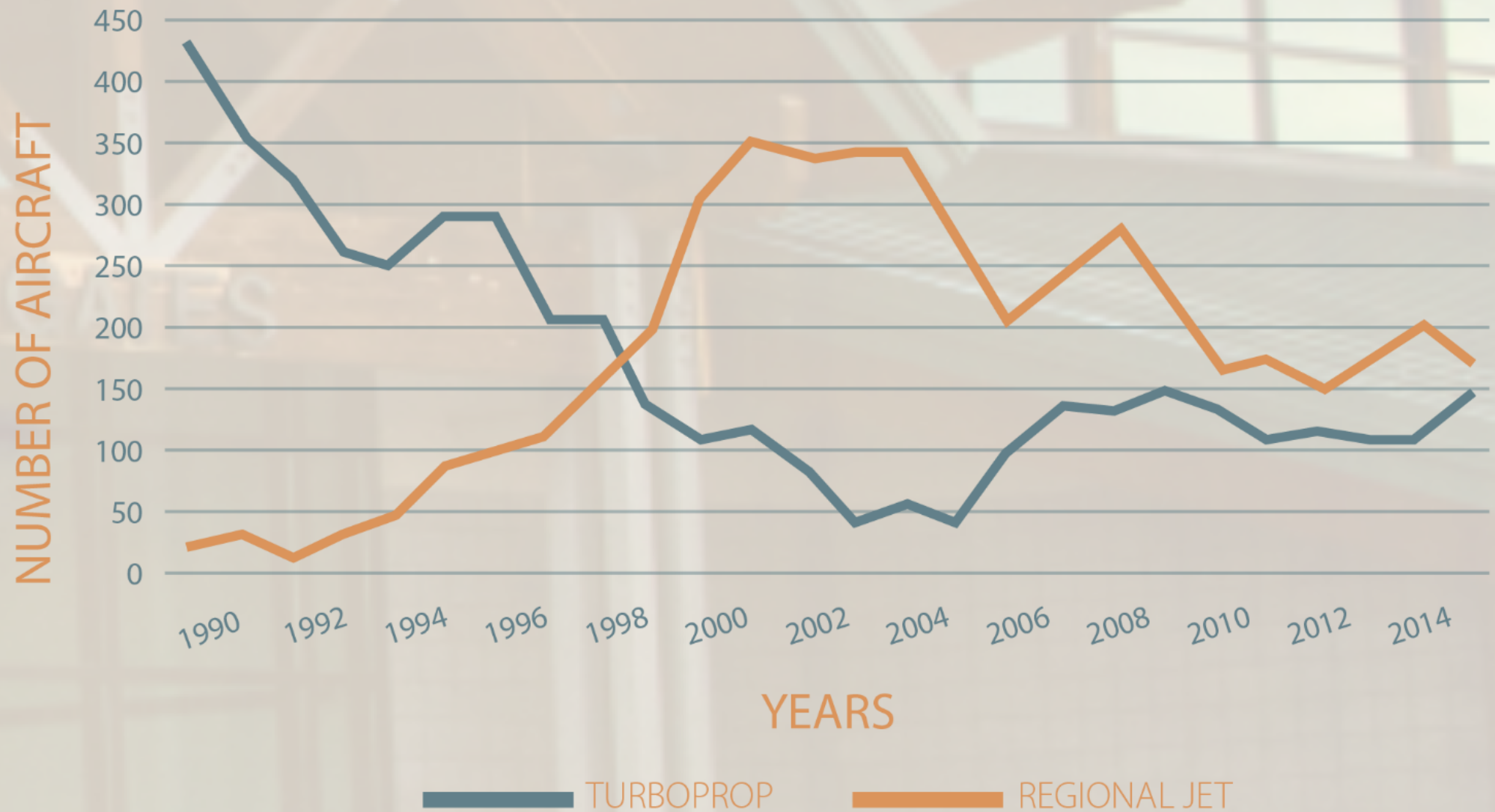
TURBOPROP VS REGIONAL JET AIRCRAFT DELIVERIES, 1990-2015



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  - Regional airlines are moving away from 50-seat regional jets to larger versions of RJ aircraft to reduce seat-mile costs
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  - Turboprop passenger aircraft excel at fuel efficiency
  - Aviation industry is projected to remain competitive and profitable, characterized by increasing demand for air travel and airfares growing more slowly than inflation

# airfares growing more slowly than inflation

TURBOPROP VS REGIONAL JET AIRCRAFT DELIVERIES, 1990-2015



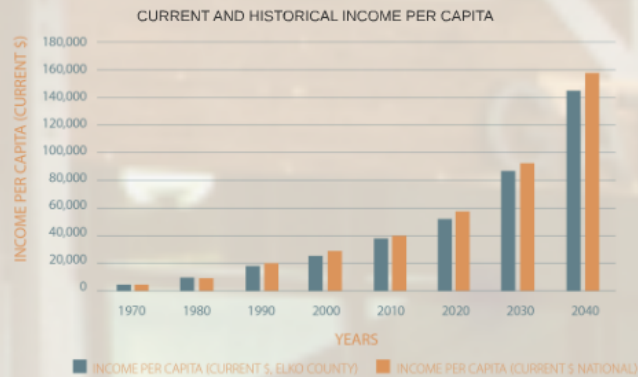
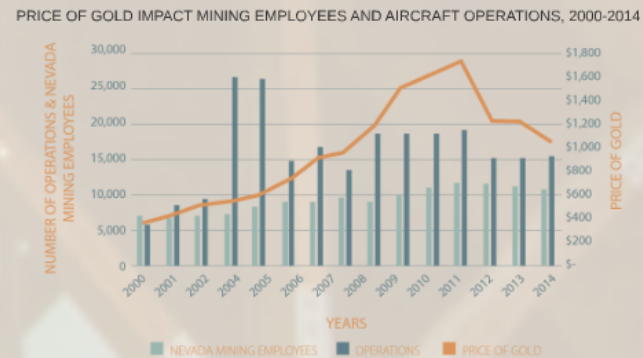
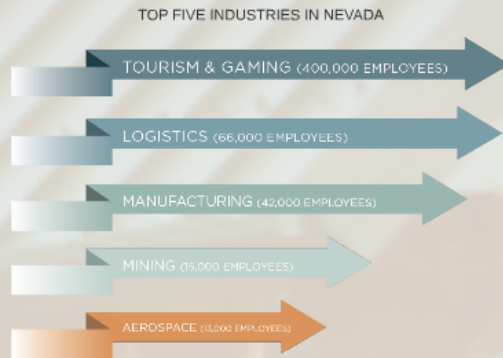
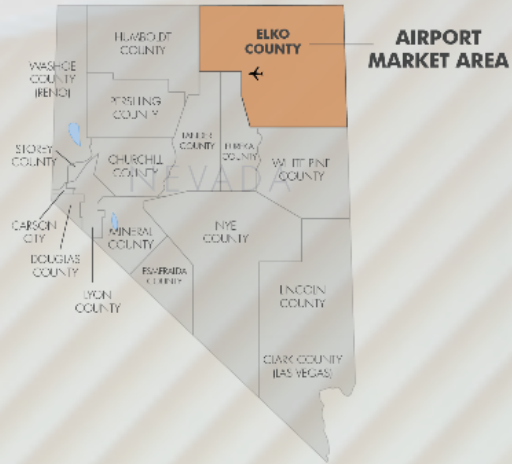


- ***There are several factors impacting small community commercial service markets:***

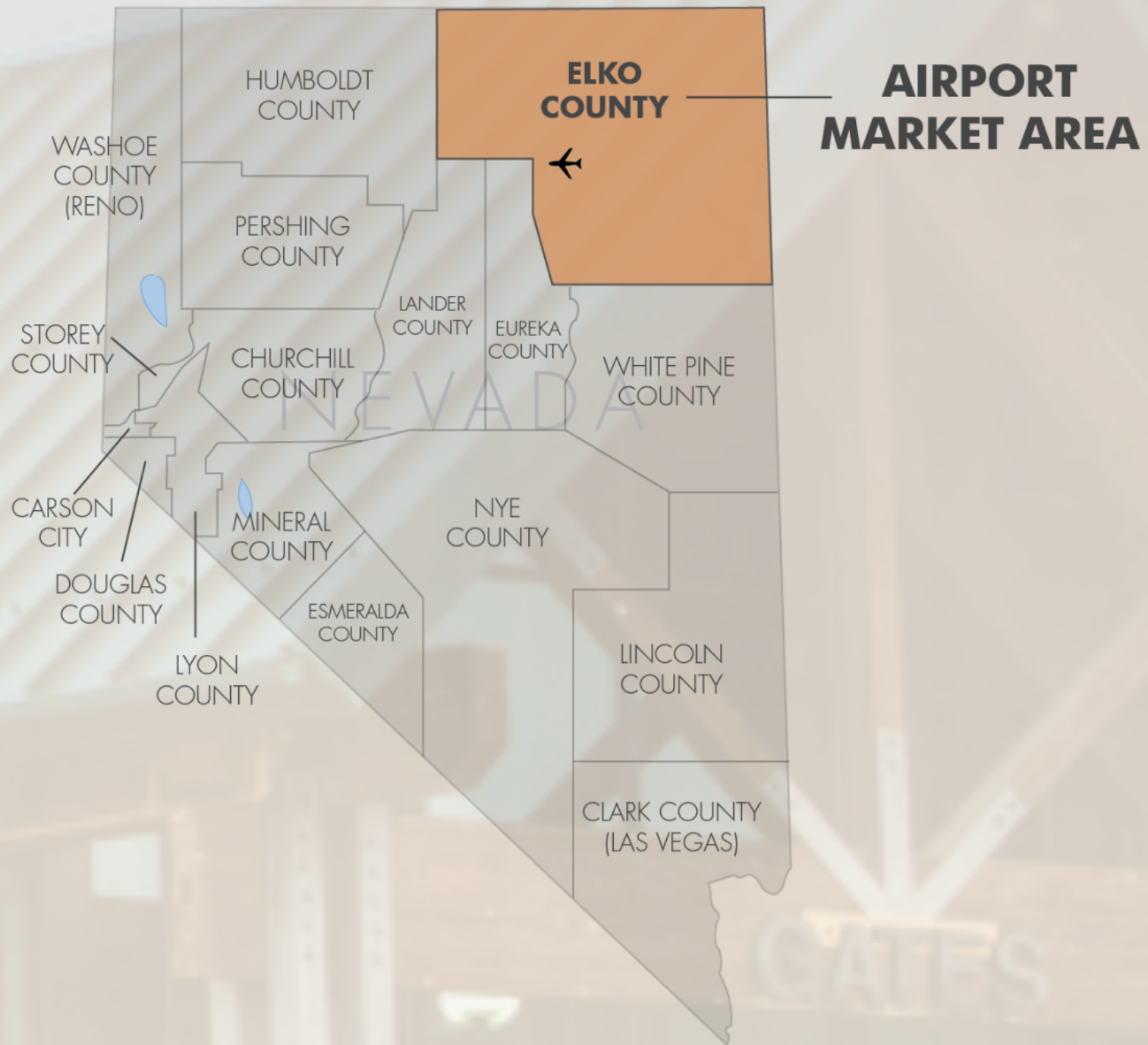
- Pilot shortage
- Changing fleet mix
- Pilot scope clauses
- Airline mergers
- Market demand
- Airline service strategies
- Regional/Turboprop service
- Emerging operators
- Changing demographics



# EKO's Market Area

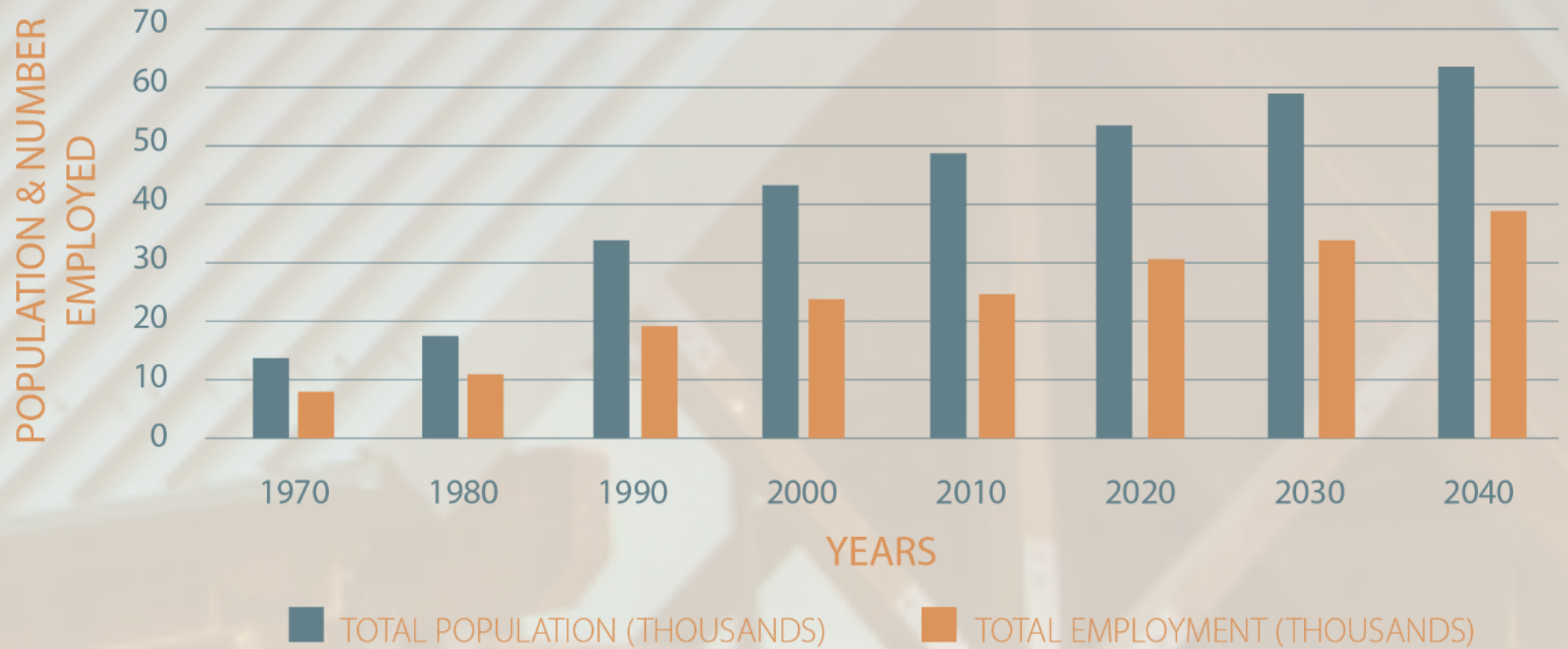






# Market Area

TOTAL POPULATION AND NUMBER EMPLOYED IN ELKO COUNTY



## TOP FIVE INDUSTRIES IN NEVADA

Industry	Employees
Tourism & Gaming	400,000
Logistics	66,000
Manufacturing	42,000
Mining	15,000
Aerospace	13,000

TOURISM & GAMING (400,000 EMPLOYEES)

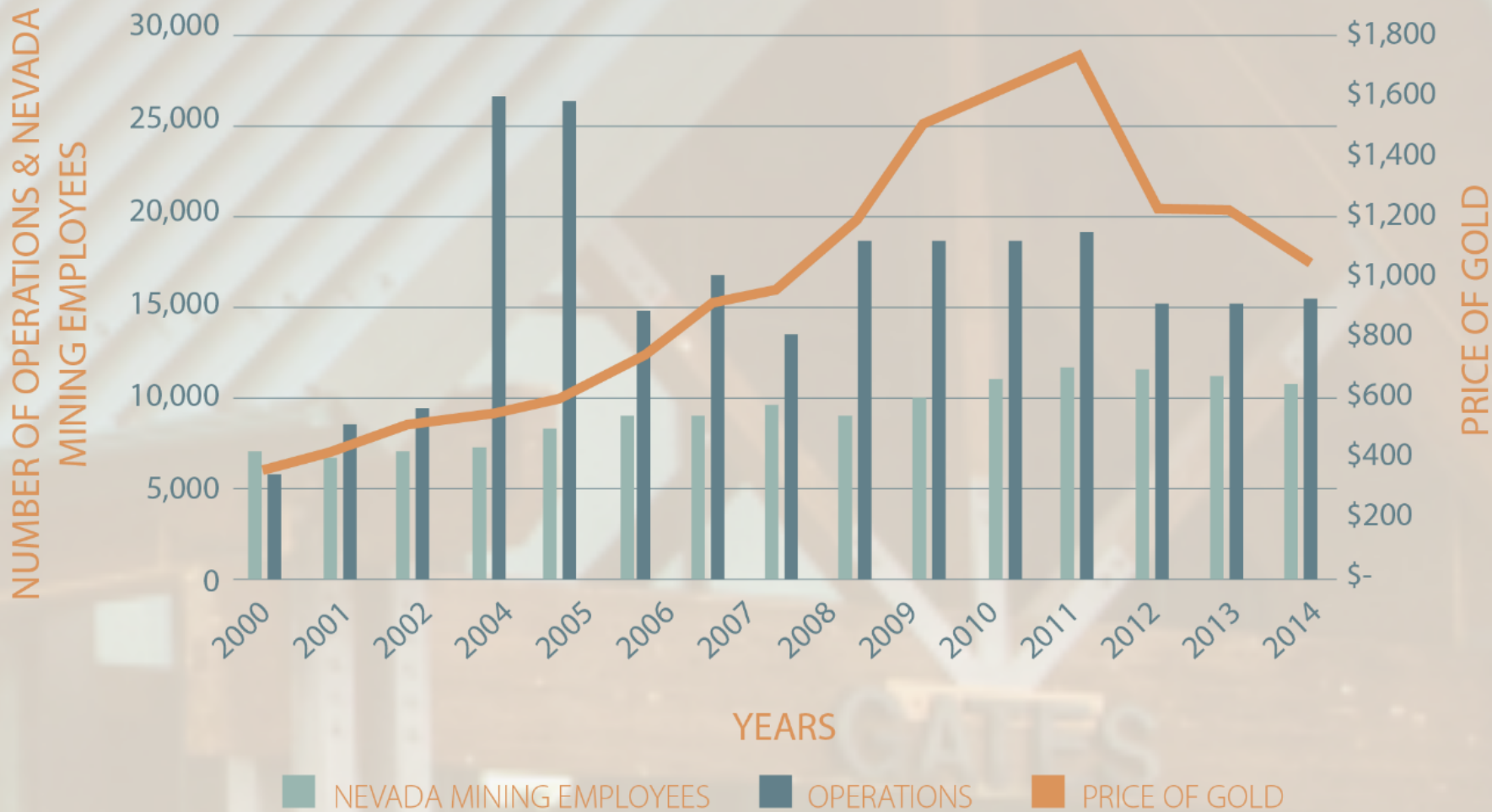
LOGISTICS (66,000 EMPLOYEES)

MANUFACTURING (42,000 EMPLOYEES)

MINING (15,000 EMPLOYEES)

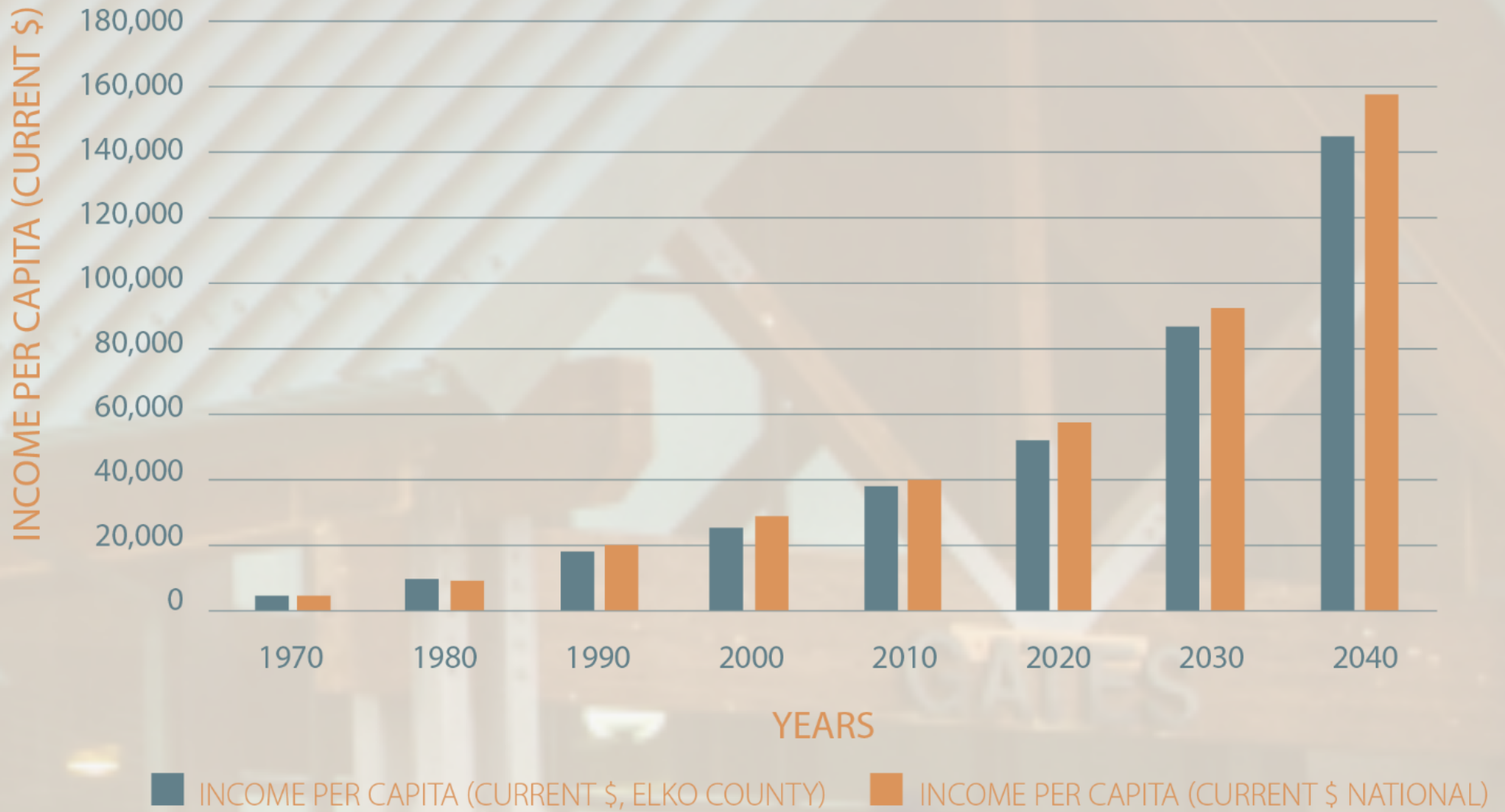
AEROSPACE (13,000 EMPLOYEES)

PRICE OF GOLD IMPACT MINING EMPLOYEES AND AIRCRAFT OPERATIONS, 2000-2014





## CURRENT AND HISTORICAL INCOME PER CAPITA

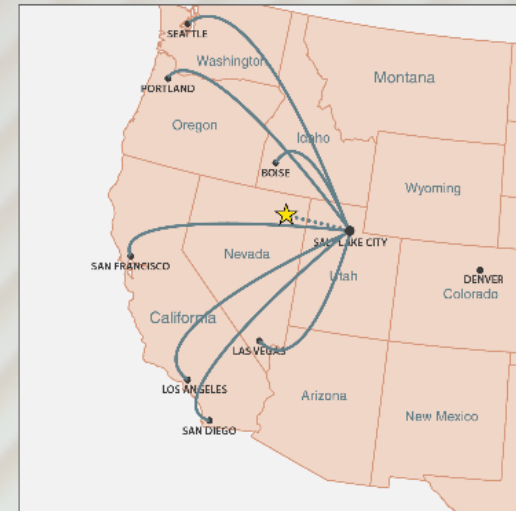


# Air Service Scenarios

Scenario #1  
EKO-DEN or other major hub



Scenario #2  
SLC-EKO



Scenario #3  
SLC-EKO-RNO



Scenario #4  
LAS-EKO



## Aviation Forecasts

### Considers the following forecasts and methodologies:

- FAA Terminal Area Forecast (2016)
- EKO Airport Master Plan (2004)
- EKO ALP Update Narrative (2013)
- FAA Aerospace Forecast (2016)
- National Trend Projections
- Airport Market Area Demographic and Socioeconomic Projections; population, employment, per capita income

### PREFERRED FORECAST COMPARED TO FAA TAF

	Current <sup>1</sup>	2021	2026	2031	2036	AAGR
<b>Based Aircraft</b>						
– Aviation Forecast	86	91	95	99	103	0.9%
– TAF	76	78	82	87	92	0.9%
Percent Variance	11.6%	14.3%	13.6%	12.1%	10.7%	
<b>Operations</b>						
– Aviation Forecast	19,990	22,352	25,352	27,991	30,904	2%
– TAF	19,990	22,304	24,490	26,945	29,696	1.9%
Percent Variance	0%	<0.1%	3.4%	3.7%	3.9%	
<b>Enplanements</b>						
– Aviation Forecast	18,200	29,784	29,970	30,156	30,342	2.4%
– TAF	18,505	17,928	20,766	24,053	27,858	1.9%
Percent Variance	-1.7%	39.8%	30.7%	20.2%	8.2%	

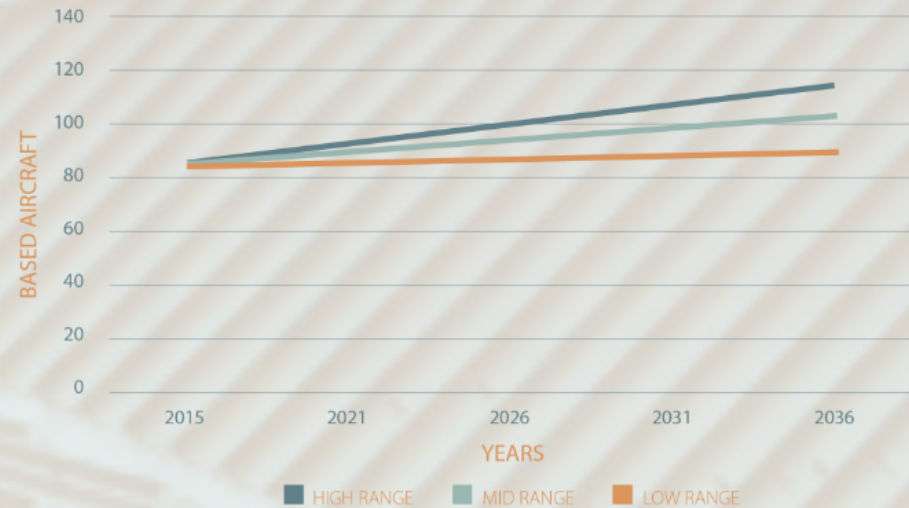


### BASED AIRCRAFT PROJECTIONS

Year	High	Medium	Low
2015 (Actual)	86	86	86
Projections			
2021	94	91	87
2026	100	95	88
2031	108	99	89
2036	116	103	90
<b>AAGR</b>	<b>1.4%</b>	<b>0.9%</b>	<b>0.2%</b>

### BASED AIRCRAFT FLEET MIX

Year	Single Engine	Multi - Engine	Jet	Helicopter	Total
2015 (Actual)	74	6	1	5	86
Projection					
2021	78	6	2	5	91
2026	81	6	2	6	95
2031	85	6	2	6	99
2036	88	6	3	6	103



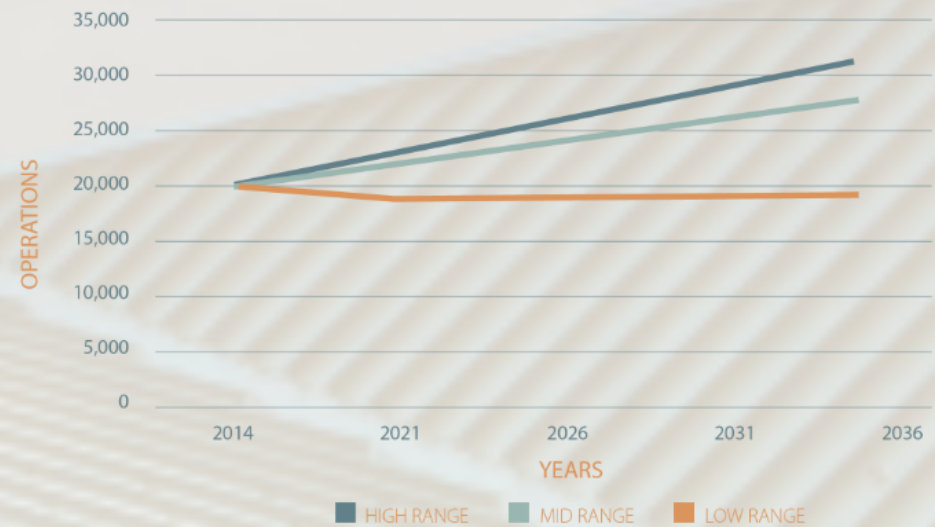


## AIRCRAFT OPERATIONS PROJECTIONS

Year	High	Medium	Low
2015	19,990	19,990	19,990
Projection			
2021	22,962	22,064	18,812
2026	25,352	23,675	19,000
2031	27,991	25,405	19,191
2036	30,904	27,260	19,384
AAGR	2%	1.4%	- 0.1%

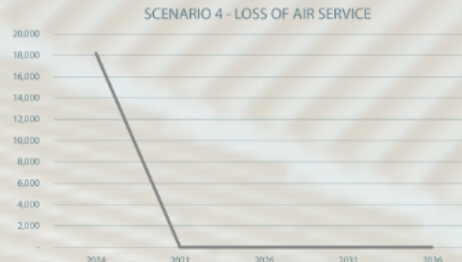
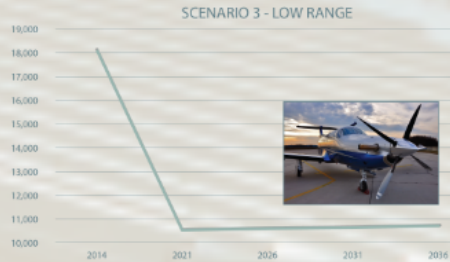
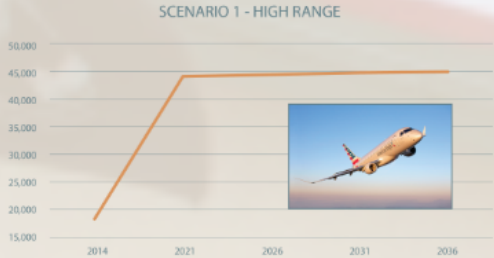
## AIRCRAFT OPERATIONS PROJECTIONS

Year	Local	Itinerant	Total
2015 (Actual)	4,398	15,592	19,990
Projection			
2021	5,052	17,910	22,962
2026	5,577	19,775	25,352
2031	6,158	21,833	27,991
2036	6,800	24,104	30,904
Share	22%	78%	100%

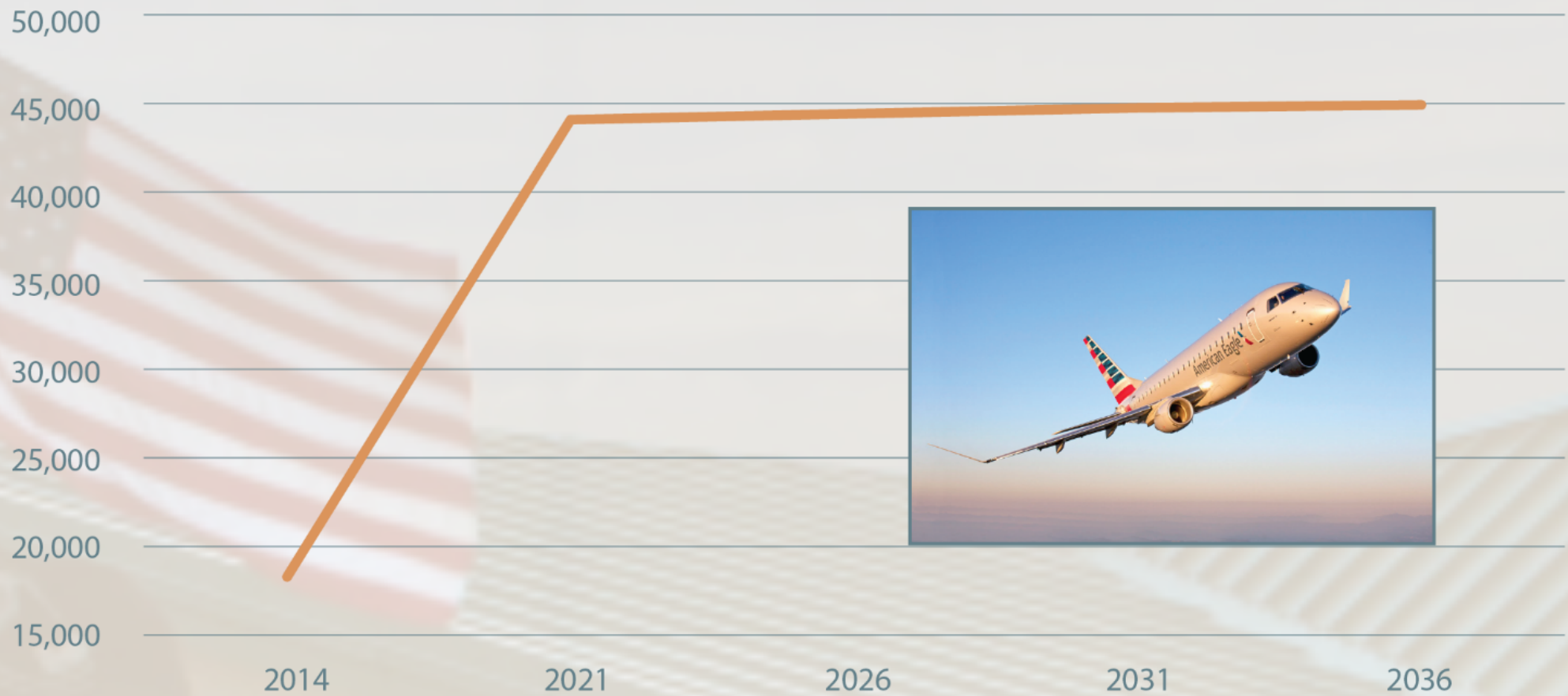


PASSENGER ENPLANEMENT PROJECTIONS

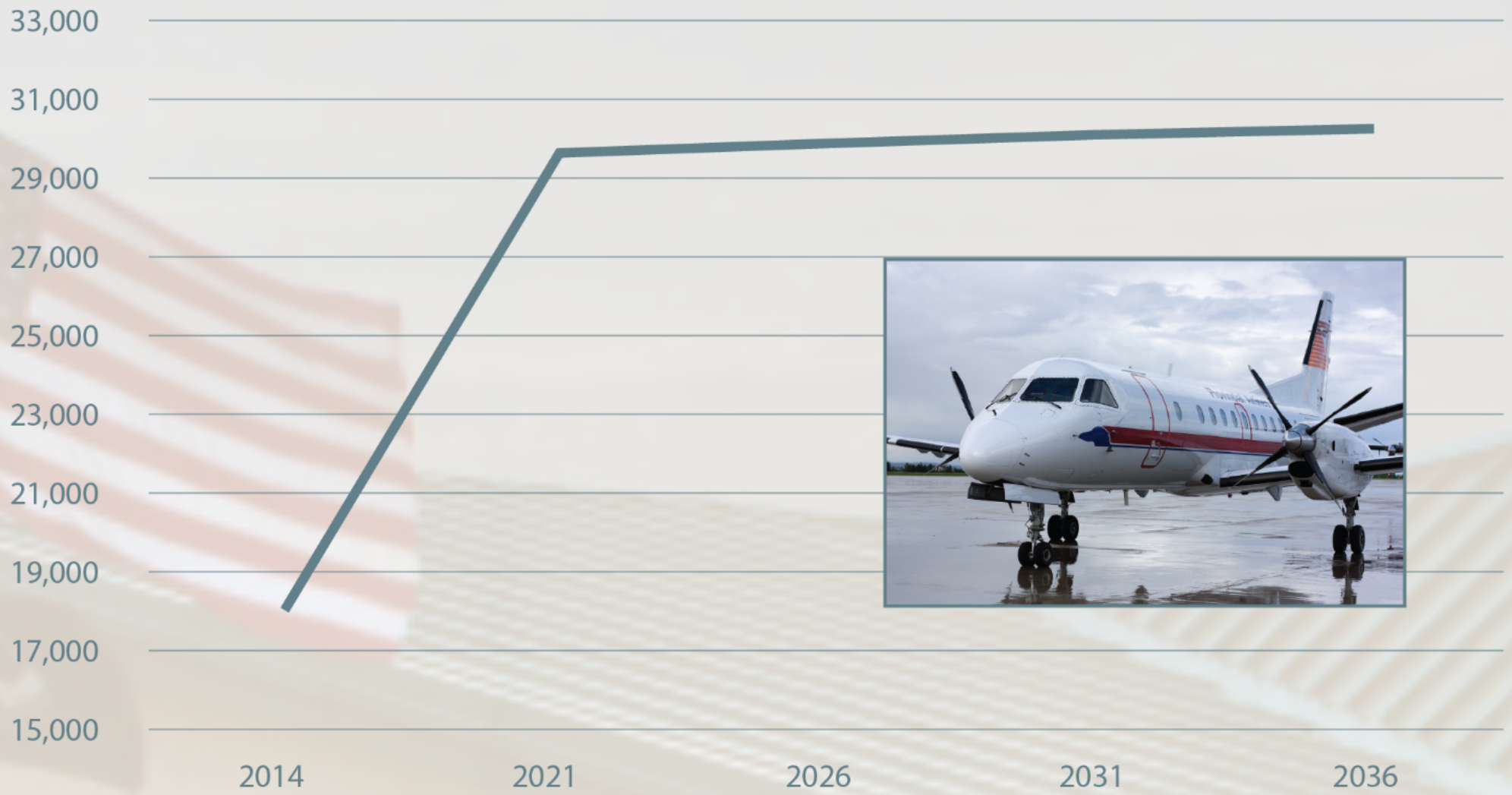
Year	Scenario 1 High	Scenario 2 Medium	Scenario 3 Low	Scenario 4 Loss of Service
2014 (Actual)	18,200	18,200	18,200	18,200
Projections				
2021	44,384	29,784	10,512	0
2026	44,661	29,970	10,578	0
2031	44,939	30,156	10,643	0
2036	45,216	30,342	10,709	0
AAGR	4.2%	2.4%	-2.4%	- 100%



## SCENARIO 1 - HIGH RANGE

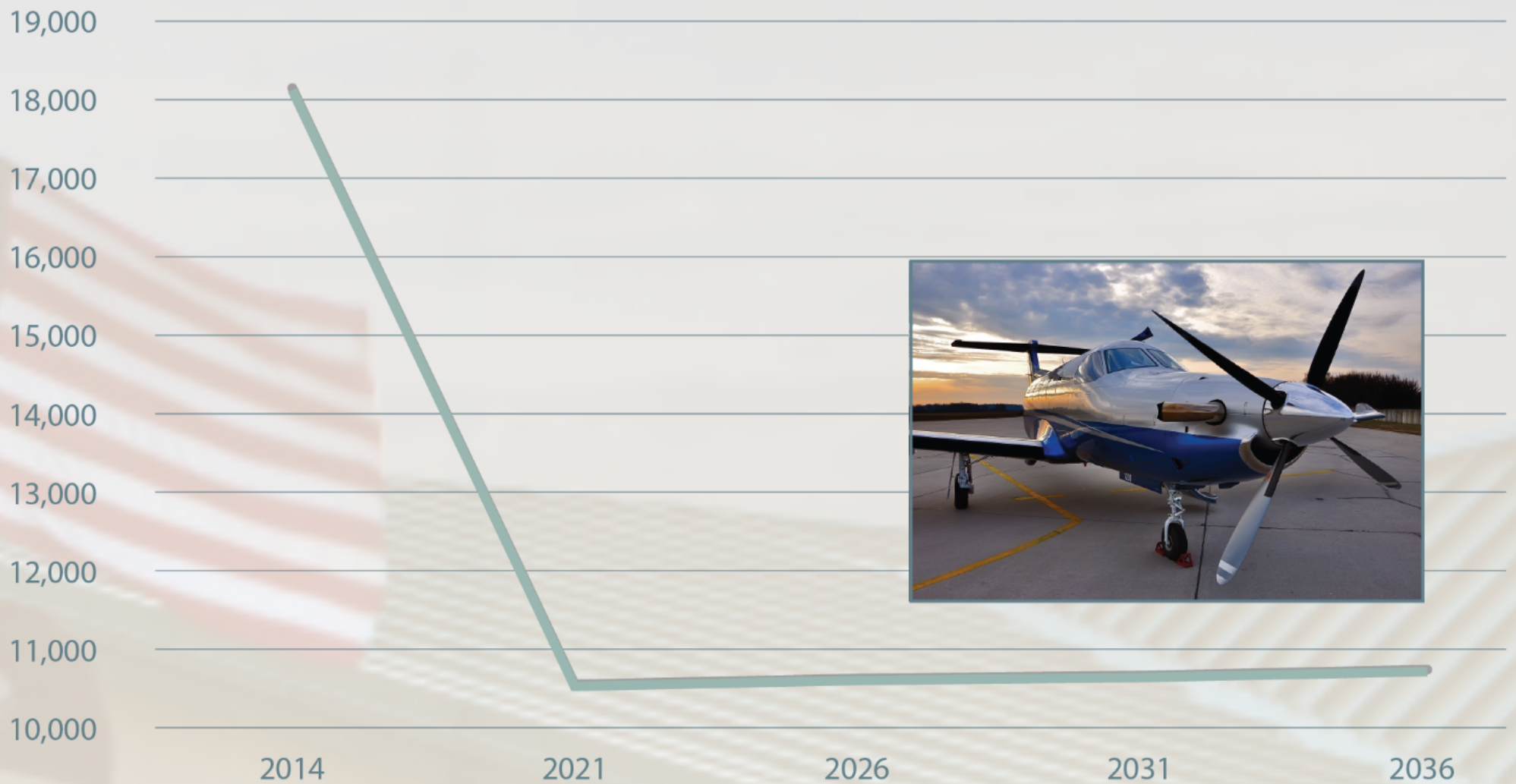


## SCENARIO 2 - MID RANGE

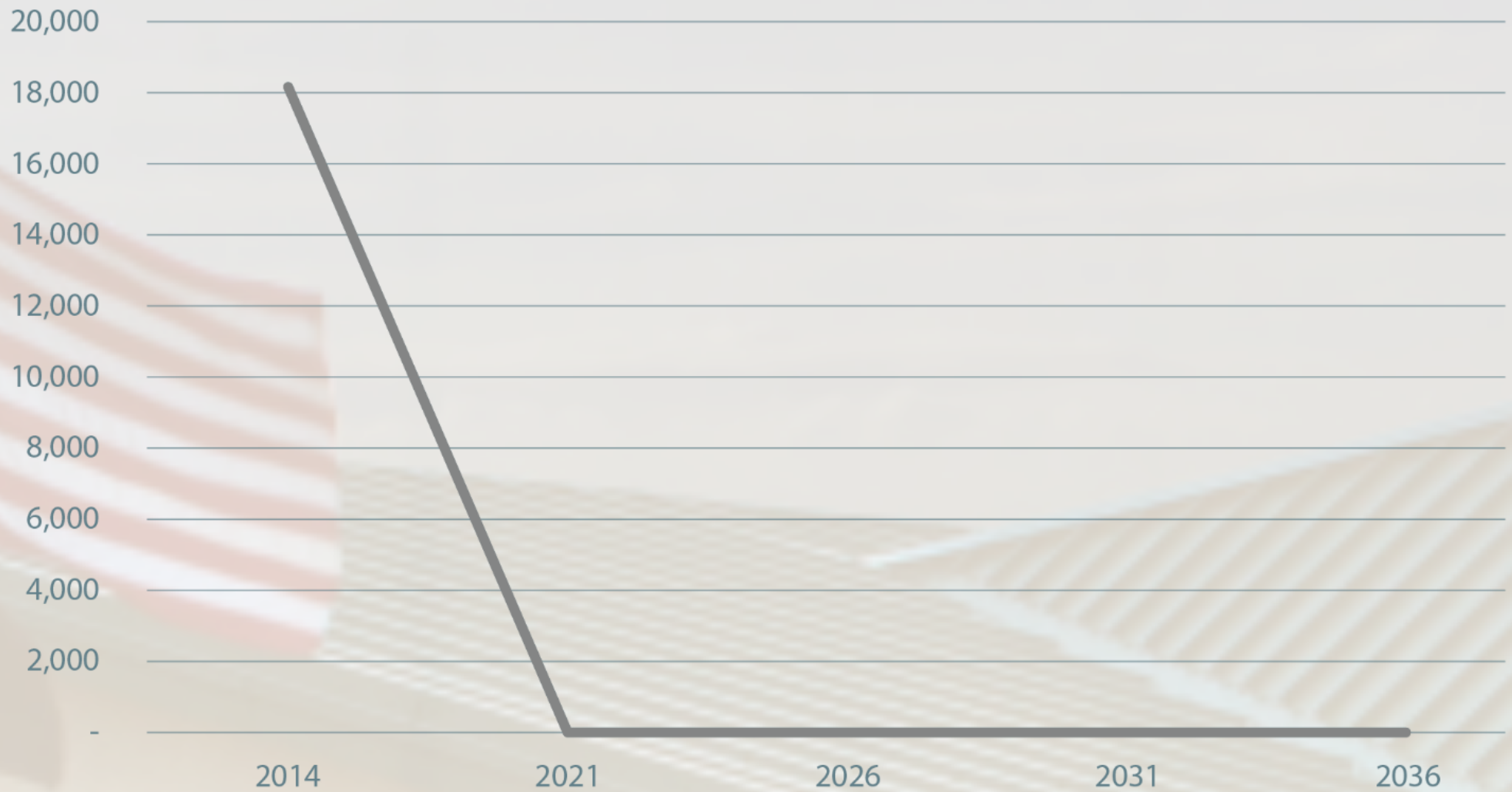




## SCENARIO 3 - LOW RANGE



## SCENARIO 4 - LOSS OF AIR SERVICE



## PREFERRED FORECAST COMPARED TO FAA TAF

	Current <sup>1</sup>	2021	2026	2031	2036	AAGR
<b>Based Aircraft</b>						
– Aviation Forecast	86	91	95	99	103	<b>0.9%</b>
– TAF	76	78	82	87	92	<b>0.9%</b>
<i>Percent Variance</i>	<i>11.6%</i>	<i>14.3%</i>	<i>13.6%</i>	<i>12.1%</i>	<i>10.7%</i>	
<b>Operations</b>						
– Aviation Forecast	19,990	22,352	25,352	27,991	30,904	<b>2%</b>
– TAF	19,990	22,304	24,490	26,945	29,696	<b>1.9%</b>
<i>Percent Variance</i>	<i>0%</i>	<i>&lt;0.1%</i>	<i>3.4%</i>	<i>3.7%</i>	<i>3.9%</i>	
<b>Enplanements</b>						
– Aviation Forecast	18,200	29,784	29,970	30,156	30,342	<b>2.4%</b>
– TAF	18,505	17,928	20,766	24,053	27,858	<b>1.9%</b>
<i>Percent Variance</i>	<i>-1.7%</i>	<i>39.8%</i>	<i>30.7%</i>	<i>20.2%</i>	<i>8.2%</i>	

# Public Outreach



- Airport Advisory Board meetings
- Focus Groups
- Community meetings
- Elected Officials briefings
- FAA/NDOT collaboration

- User and business surveys
- Executive summary
- Project website
- Media releases
- Social media updates
- Civic & local government outreach

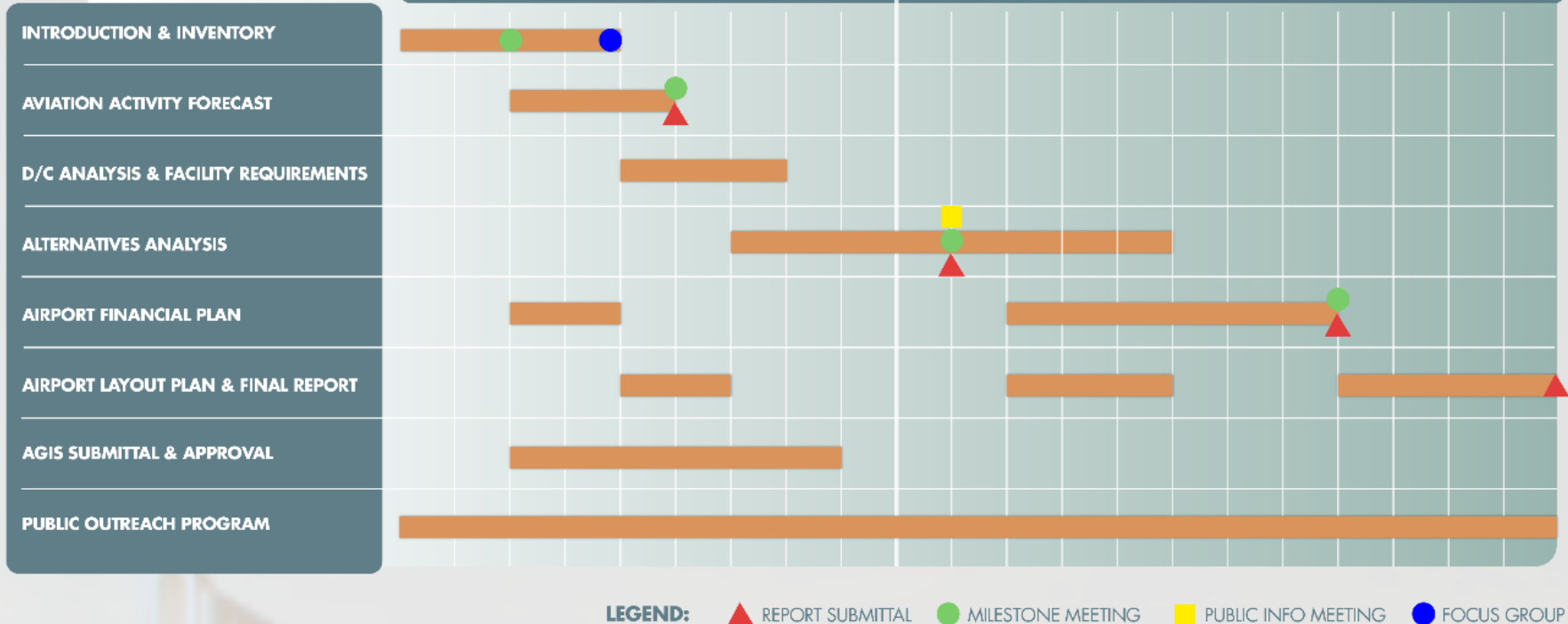


All documents, presentations and project information are online at  
[www.flyelkonevada.com](http://www.flyelkonevada.com)



# Project Timeline

## EKO MASTER PLAN SCHEDULE



## Next Steps...

- Monitor & gather sub-consultant work effort
- Input public feedback on draft Chapters 1, 2 and 3
- Initiate work on Chapter 4, Facility Requirements and Chapter 5, Alternatives







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