

DEDICATED TO HELPING BUSINESS ACHIEVE ITS HIGHEST GOALS.



# *A Green Renaissance in General Aviation*

*Latest Trends, Research and Future Outlook*

UCDAVIS



**Aviation Noise & Emissions Symposium 2020**

March 1-3, 2020 ~ San Diego Mission Valley Marriott

**Presented By:**

- Alex Gertsen, C.M., Director, Airports & Ground Infrastructure, NBAA

# A Green Renaissance in General Aviation



**GABE ANDINO**

Manager - Noise Abatement and  
Environmental Compliance

AvPORTS - Teterboro Airport

Teterboro, NJ



**ALEX GERTSEN, C.M., ACE**

Director of Airports & Ground Infrastructure  
National Business Aviation Association

# Challenges and Solutions in General Aviation

# H.R. 5423 – Aircraft Noise Reduction Act

Introduced by Rep. Joe Neguse (D) – Colorado 2<sup>nd</sup> District

- Introduced Dec. 12, 2019 – Currently in Committee
- “Authority of general aviation airports to restrict flights for purposes of implementing noise limitations”
  - Specifically “aircraft operations for compensation or hire”
- Dangerous proposal threatening ALL types and sizes of airports not just general aviation
- Aims to undermine ANCA and almost 100 years of precedence to regulate aviation at federal level
- Opposed by all major aviation industry organizations

116TH CONGRESS  
1ST SESSION

## H. R. 5423

To amend title 49, United States Code, to authorize owners or operators of general aviation airports to impose certain restrictions relating to noise, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

DECEMBER 12, 2019

Mr. NEGUSE (for himself, Ms. NORTON, Mr. SUOZZI, Mr. KHANNA, Mr. LYNCH, and Mr. SHERMAN) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

### A BILL

To amend title 49, United States Code, to authorize owners or operators of general aviation airports to impose certain restrictions relating to noise, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

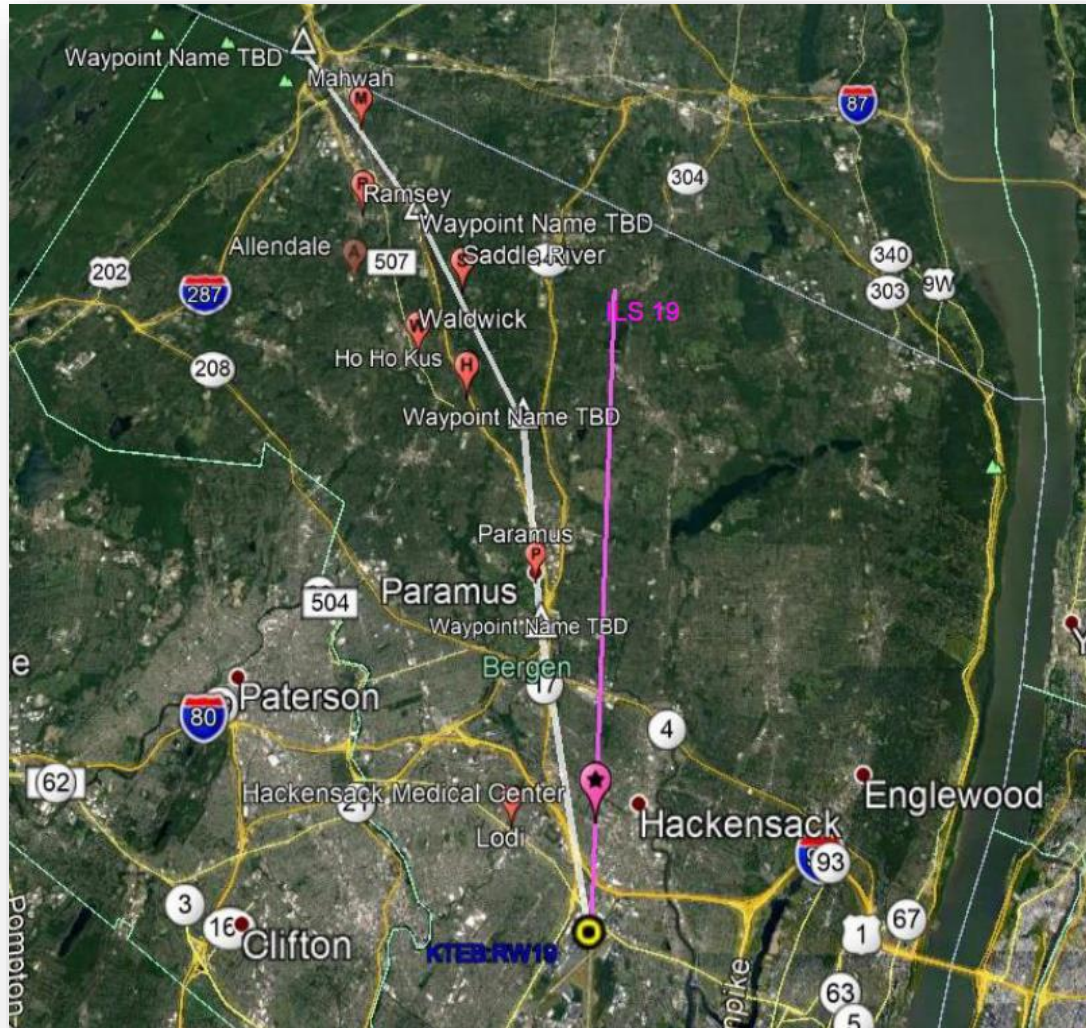
3 SECTION 1. SHORT TITLE.

4 This Act may be cited as the “Aircraft Noise Reduc-  
5 tion Act”.



# Teterboro RNAV (GPS) 19

## Alternative to the ILS as an Offset Approach



- Addresses concerns of community leveraging modern technology
- Directs flights over a less densely populated corridor
- Can be used in both instrument and visual meteorological conditions
- Result of successful collaboration between Teterboro Airport Noise Abatement and Advisory Committee (TANAAC), the Port Authority of NY and NJ and the FAA
- Effective March 26, 2020 chart cycle

# Santa Monica Municipal Airport (SMO)

Critical Part of the National Airspace System





# Santa Monica Municipal Airport (SMO)



## Unprecedented Settlement Agreement

- Jan 2017 – FAA and City of Santa Monica announce Settlement Agreement
  - Runway length reduction 4,973 ft. to 3,500 ft.
  - Requires airport to remain open through 2028
- Lawsuits Pending
  - NBAA argues that FAA did not comply with mandatory statutory requirements
- Noise Monitor Locations – ANCA Violation
- Financial Mismanagement
  - Part 16 complaint on financial mismanagement initial win for aviation users
    - Currently appealed by both sides
    - Airport continues to build an unallowable surplus
  - Over \$100,000 in park design fees being returned

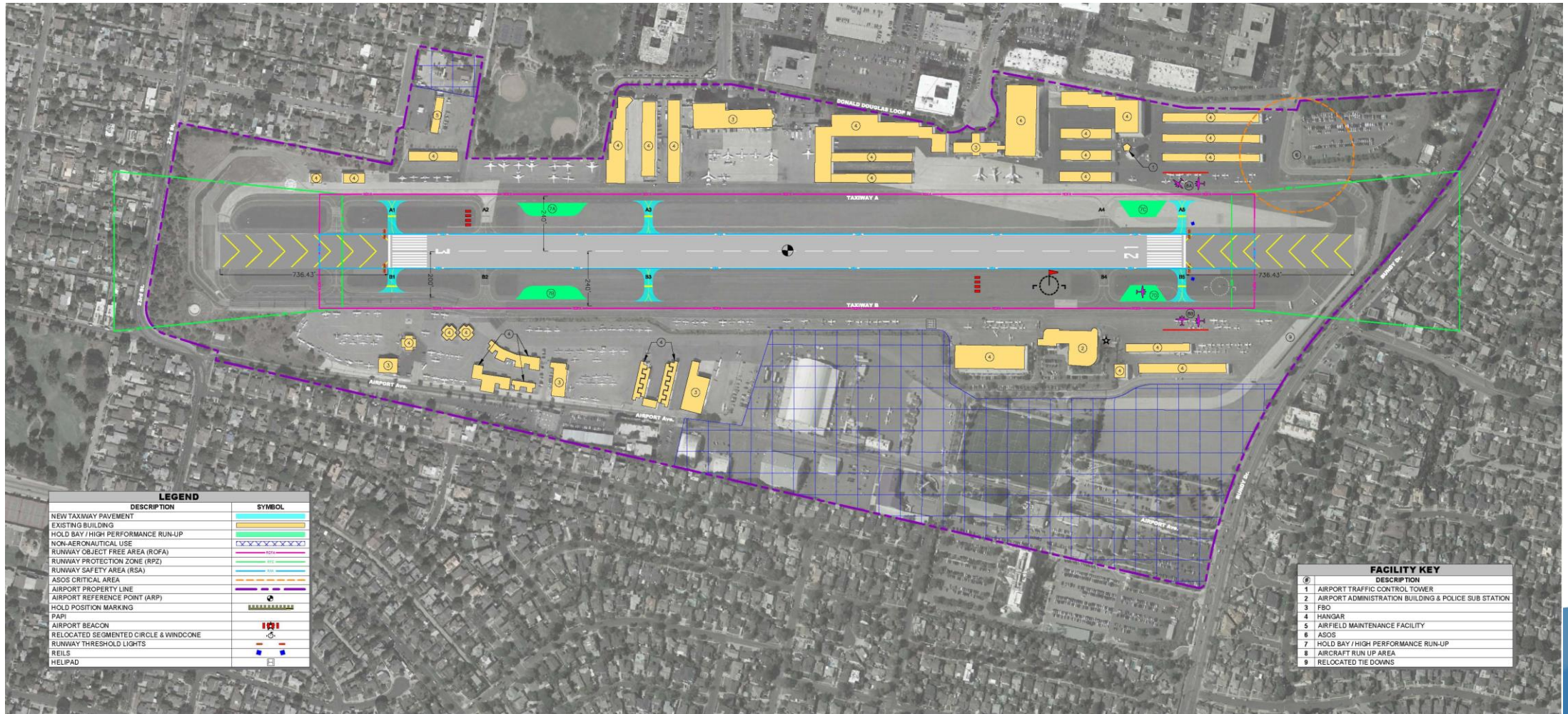


*Photo courtesy Mark Smith, Due North Productions*



# Santa Monica Municipal Airport (SMO) NBAA

## Runway Shortening Project









# Santa Monica Municipal Airport (SMO) NBAA

## “Excess Pavement” Removal Project



*Photo courtesy Mark Smith, Due North Productions*



# Santa Monica Municipal Airport (SMO)

## Future is Promising

- Santa Monica Airport Association hard at work
- Airport based businesses continue to thrive despite major adversity
- City Council Change likely due to California Voting Rights Act lawsuit
- New technologies
  - Quieter more capable jets
  - Electric Aircraft
  - Urban Air Mobility



*Photo courtesy Mark Smith, Due North Productions*







# Airport Access Challenges

## East Hampton Airport (KHTO) – Significance of ANCA

15-2334-cv(L), 15-2465-cv(XAP)  
Friends of the East Hampton Airport, Inc. v. Town of East Hampton

In the  
**United States Court of Appeals  
For the Second Circuit**

August Term, 2015

(Argued: June 20, 2016 Decided: November 4, 2016)

Docket Nos. 15-2334-cv(L), 15-2465-cv(XAP)

FRIENDS OF THE EAST HAMPTON AIRPORT, INC., ANALAR CORPORATION,  
ASSOCIATED AIRCRAFT GROUP, INC., ELEVENTH STREET AVIATION LLC,  
HELICOPTER ASSOCIATION INTERNATIONAL, INC., HELIFLITE SHARES, LLC, LIBERTY  
HELICOPTERS, INC., SOUND AIRCRAFT SERVICES, INC., NATIONAL BUSINESS  
AVIATION ASSOCIATION, INC.,

*Plaintiffs-Appellees-Cross-Appellants,*

— v. —

TOWN OF EAST HAMPTON,

*Defendant-Appellant-Cross-Appellee.*

Before:

JACOBS, CALABRESI, RAGGI, *Circuit Judges.*



# Airport Access Challenges

## East Hampton Airport (KHTO) – Current Challenges

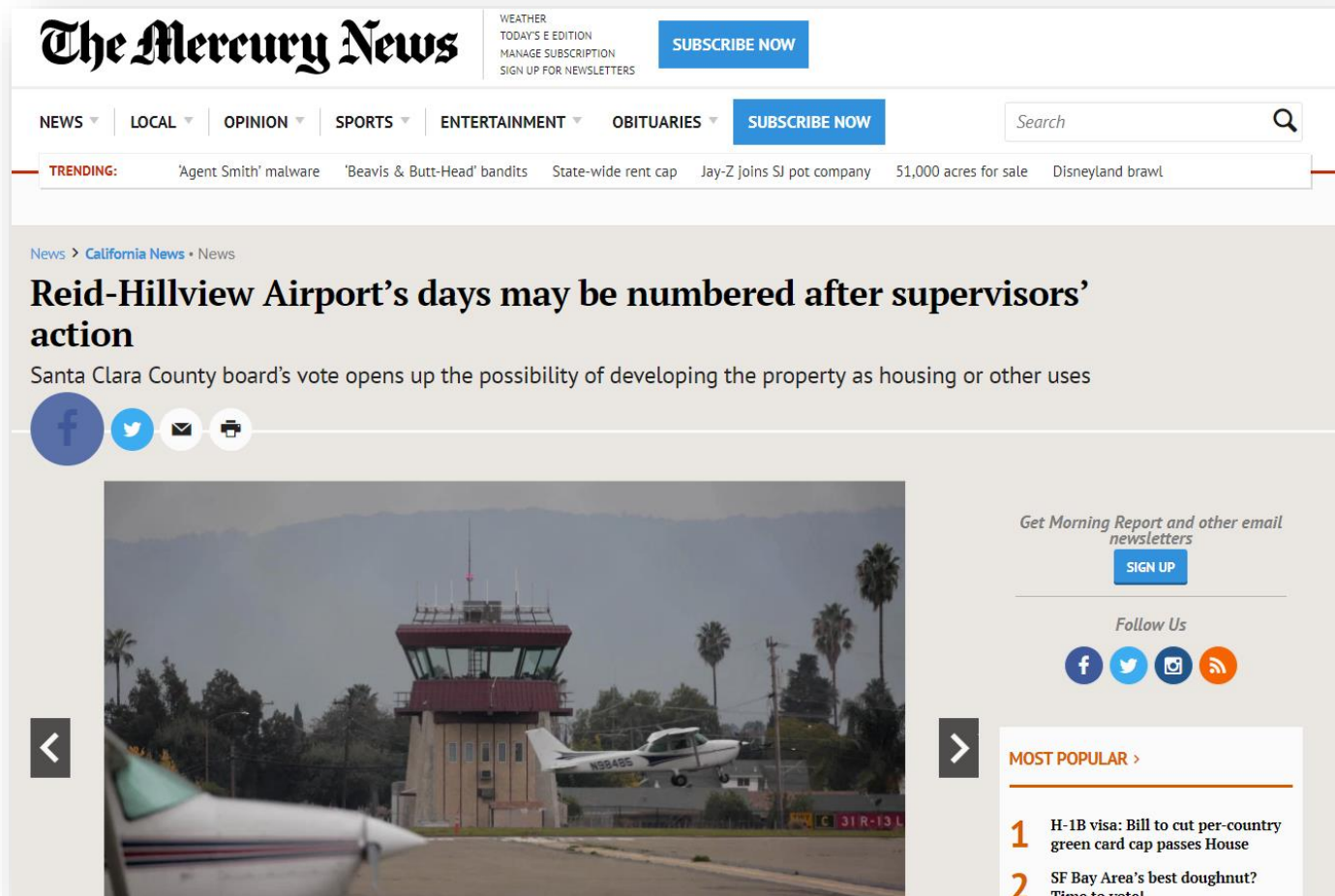
- Grant Assurances Expire Sept. 2021
  - Will the town close the airport?
  - Major economic impact to the community
  - Loss of air transportation for disaster relief and air medical transportation
- Part 161 Study On Hold
- Town Striving for Relief
  - Reduce the number and frequency of operations
    - Helicopters and Seaplanes top targets
- Part 16 Appeal Pending
  - Users paying for their own circumscription





# Airport Access Challenges

## Reid Hillview Airport (KRHV) – San Jose, CA



The Mercury News

WEATHER  
TODAY'S EDITION  
MANAGE SUBSCRIPTION  
SIGN UP FOR NEWSLETTERS

SUBSCRIBE NOW

NEWS LOCAL OPINION SPORTS ENTERTAINMENT OBITUARIES SUBSCRIBE NOW

Search


TRENDING: 'Agent Smith' malware 'Beavis & Butt-Head' bandits State-wide rent cap Jay-Z joins SJ pot company 51,000 acres for sale Disneyland brawl

News > California News > News

### Reid-Hillview Airport's days may be numbered after supervisors' action

Santa Clara County board's vote opens up the possibility of developing the property as housing or other uses

Facebook Twitter Email Print



Get Morning Report and other email newsletters

SIGN UP

Follow Us

Facebook Twitter Instagram RSS

MOST POPULAR >

- 1 H-1B visa: Bill to cut per-country green card cap passes House
- 2 SF Bay Area's best doughnut? Time to vote.

# Your Panelists and Subject Matter Experts



# A Green Renaissance in General Aviation



**ERIC GREENWOOD, PhD**

Assistant Professor of Aerospace  
Engineering

Pennsylvania State University,  
University Park, PA

- Conducts theoretical and experimental research to better understand the aerodynamics and acoustics of rotor and propeller driven aircraft
- Prior served as researcher at the NASA Langley Research Center.
- Won multiple awards for his research

# A Green Renaissance in General Aviation



**SCOTT BURGESS**

President and Co-Founder Eco-Aviation Foundation International

Santa Monica, CA

- Promotes early-adoption of the newest electric, hybrid and other eco aviation technologies, including sustainable airport infrastructure
- Managed aviation projects in the U.S., UAE/Dubai, Afghanistan, Malta, Africa and others
- Flying since 1989 - FAA private pilot Single Engine Land, Sea Plane and Instrument Rating