

# 2019 OZONE PLAN

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**Community Advisory Council Meeting  
October 23, 2019**

**Santa Barbara County  
Air Pollution Control District**

**Molly Pearson, Planning Manager  
Jim Fredrickson, Division Supervisor  
Tim Mitro, Air Quality Engineer  
Alex Economou, Air Quality Specialist  
Andrew Orfila, SBCAG, Principal Transportation Planner**



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# 2019 OZONE PLAN STRUCTURE

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- **Chapter 1:** Introduction (Jim)
- **Chapter 2:** Air Quality Trends (Tim)
- **Chapter 3:** Emission Inventory & Forecasts (Alex)
- **Chapter 4:** Stationary Source Control Measures (Tim)
- **Chapter 5:** Transportation Control Measures (Andrew)
- **Chapter 6:** Voluntary Incentive Strategies (Molly)
- **Chapter 7:** Maintenance Strategy (Molly)



# CHAPTER 5

## TRANSPORTATION CONTROL MEASURES

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- SBCAG: Responsible for developing Transportation Control Measures (TCMs)
- TCMs are defined as:
  - “any strategy to reduce vehicle trips, vehicle use, vehicle miles traveled, vehicle idling, or traffic congestion for the purpose of reducing motor vehicle emissions.”  
(CA HSC §40717.g)



# TRANSPORTATION CONTROL MEASURES

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## Adopted TCMs:

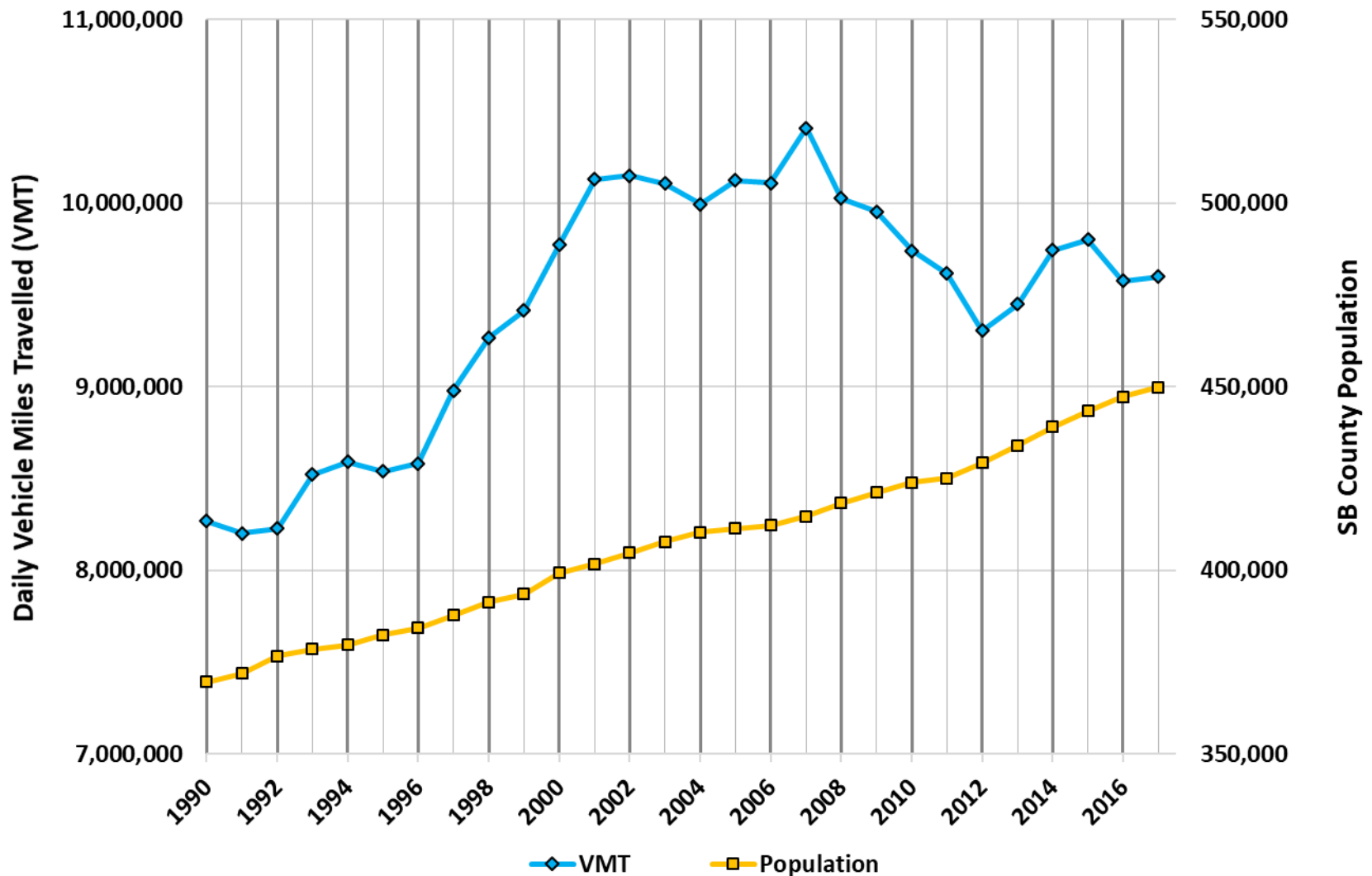
- T-1 Trip Reduction Ordinance
- T-2 Employer- Based Transportation Demand Management Programs
- T-3 Work Schedule Changes
- T-4 Area-wide Ridesharing Incentives
- T-5 Improve Commuter Public Transit Service
- T-6 High Occupancy Vehicle (HOV) Lanes
- T-7 Traffic Flow Improvements
- T-8 Parking Management
- T-9 Park-and-Ride Lots / Fringe Parking
- T-10 Bicycle and Pedestrian Programs
- T-13 Accelerated Retirement of Vehicles
- T-14 Activity Centers
- T-17 Telecommunications
- T-18 Alternative Fuels
- T-19 Public Education



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# TRANSPORTATION CONTROL MEASURES

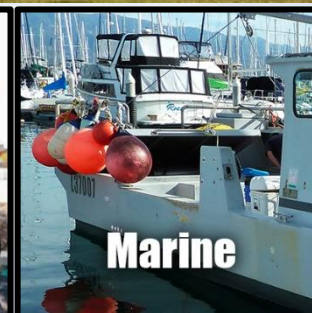




# CHAPTER 6 – VOLUNTARY INCENTIVE STRATEGIES [GRANT PROGRAMS]

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- Funded with Carl Moyer, Community Air Protection (AB 617), FARMER, and \$2 DMV revenue
- \$2,547,591 allocated for projects in Fiscal Year 2019-20
- Prioritize funds for Zero Emission Technologies / Low Income Communities



# CHAPTER 6 – VOLUNTARY INCENTIVE STRATEGIES [INCENTIVE PROGRAMS]

**\$285,000**



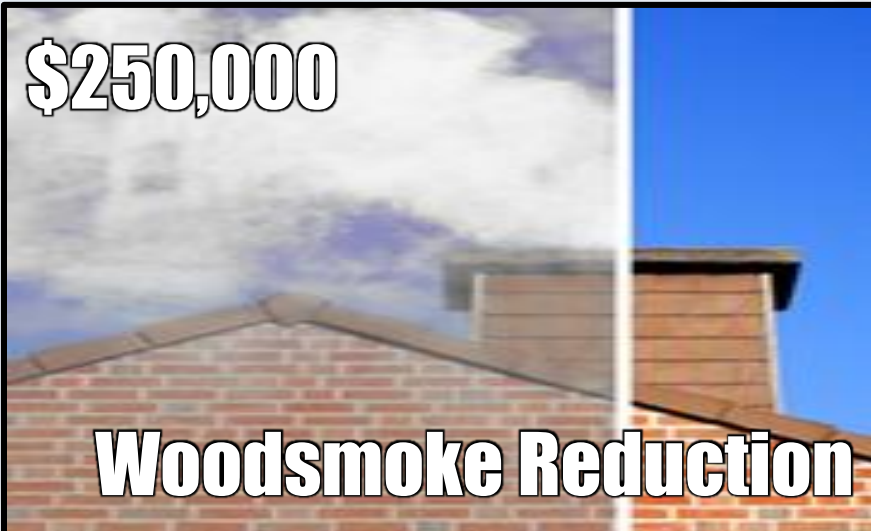
**VSR Program**

**\$700,000**



**Old Car Buy Back**

**\$250,000**



**Woodsmoke Reduction**

**\$100,000**



**Clean Air Fund -  
LEEF Pilot Program**



# CHAPTER 7 - MAINTENANCE STRATEGY

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- Connect key points from previous chapters
- Summarize how the District plans to ***maintain*** attainment with the state ozone standard
  - 1) Stationary Source Program
  - 2) Emission Inventory Tracking
  - 3) Land-use/CEQA Review
  - 4) Transportation Control Measures
  - 5) Voluntary Incentive Strategies
  - 6) Public Awareness and Education





# CHAPTERS 5 – 7: QUESTION BREAK

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## Questions?



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# COMMENTS FROM LAST MEETING

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## Chapter 2 – Local Air Quality

Exceedance causes at Las Flores Canyon

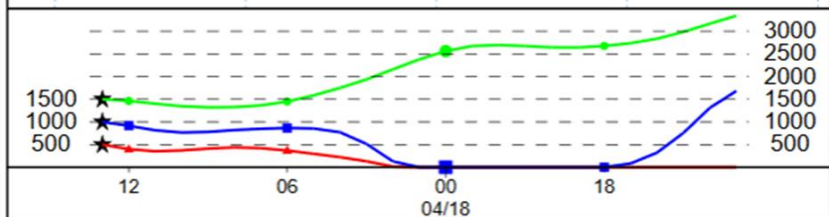
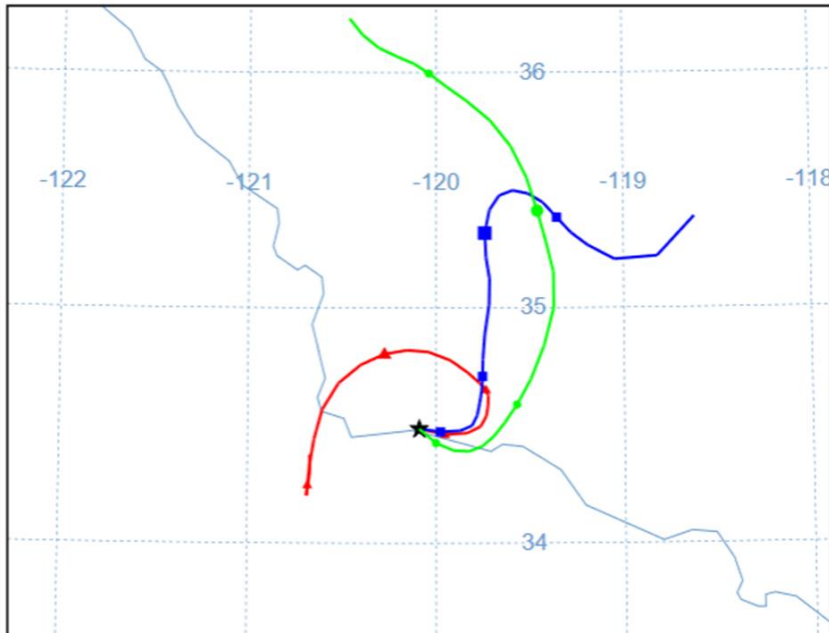


# LFC EXTREME EVENT #1: 4/18/2016

NOAA HYSPLIT MODEL  
Backward trajectories ending at 1300 UTC 18 Apr 16  
GFSG Meteorological Data

Source ★ at 34.49 N 120.09 W

Meters AGL



Job ID: 198062 Job Start: Fri Aug 30 19:28:35 UTC 2019  
Source 1 lat.: 34.486467 lon.: -120.089836 hghts: 500, 1000, 1500 m AGL

Trajectory Direction: Backward Duration: 24 hrs  
Vertical Motion Calculation Method: Model Vertical Velocity  
Meteorology: 0000Z 18 Apr 2016 - GDAS0p5

**Daily Combined AQI**  
Monday, April 18, 2016



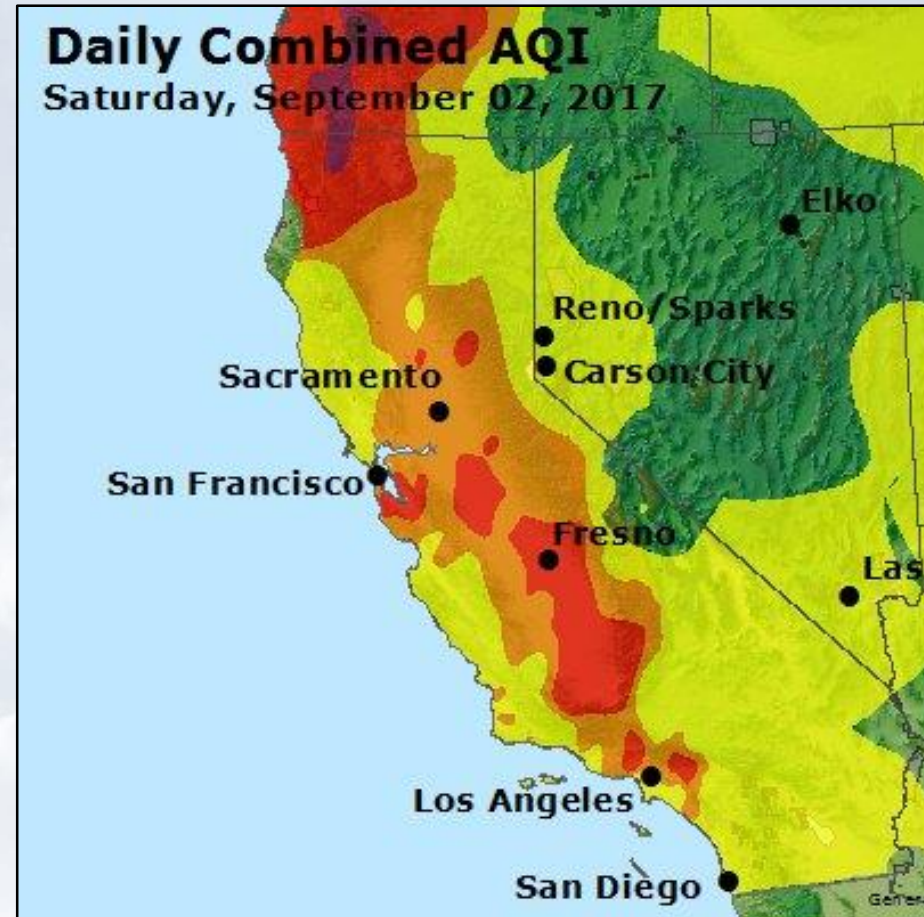


# LFC EXTREME EVENT #2: 9/2/2017

**Daily Combined AQI**  
Friday, September 01, 2017



**Daily Combined AQI**  
Saturday, September 02, 2017



# COMMENTS FROM LAST MEETING

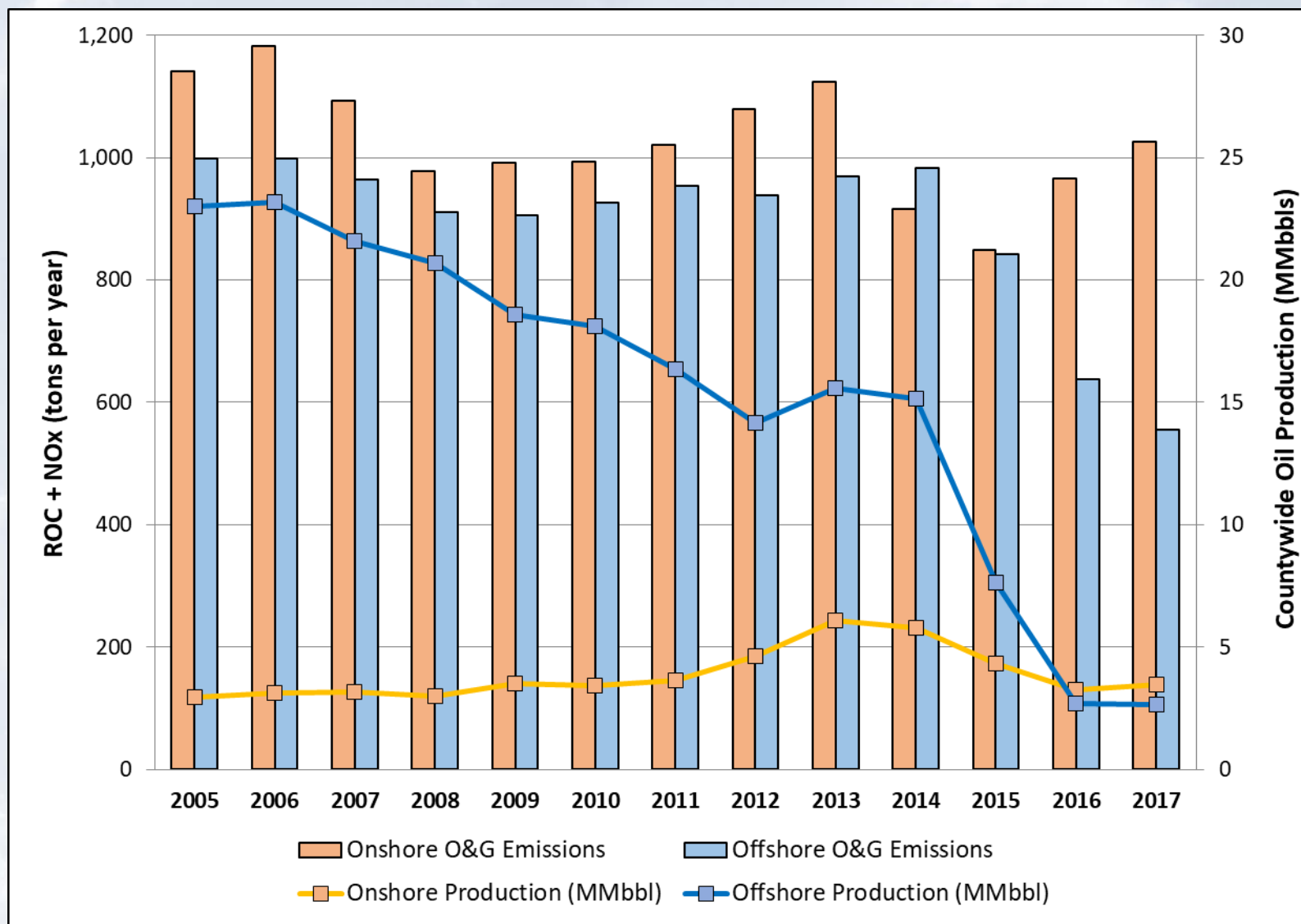
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## Chapter 3 – Emission Inventory

### Oil & Gas Profiles



# Figure 3-3: Oil Emissions & Production





# FUTURE INVENTORY SCENARIO

Potential Increases	ROC	NO <sub>x</sub>
New Aera, ERG, and Petrorock Projects	+60 tpy	+59 tpy
Exxon facilities return to 2014 production level	+220 tpy	+87 tpy
Potential Decreases		
Decommissioned Point Arguello	-191 tpy	-70 tpy
Decommissioned EOF & Platform Holly	-129 tpy	-11 tpy
Decommissioned Platforms Hogan & Houchin	-12 tpy	-11 tpy
Decommissioned Platform Habitat	-13 tpy	-4 tpy
Decommissioned Venoco – Carpinteria	-3 tpy	0 tpy
<b>Total</b>	<b>-20 tpy</b>	
<b>Base Year 2017 emissions</b>	<b>1,581 tpy</b>	
<b>Growth Profile relative to Base Year 2017</b>	<b>0.99</b>	

# TIMELINE

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- **August 28<sup>th</sup> CAC Meeting #1:** Solicited feedback
- **October 23<sup>rd</sup> CAC Meeting #2:**
  - Presented complete Plan
  - Summary of CAC comments and responses from previous meeting
  - CAC discussion and recommendation
- **December 19<sup>th</sup> Board Meeting:** Target adoption hearing



# CONTACT INFORMATION

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