

GOVERNMENT SIMULATION INTELLIGENCE REPORT

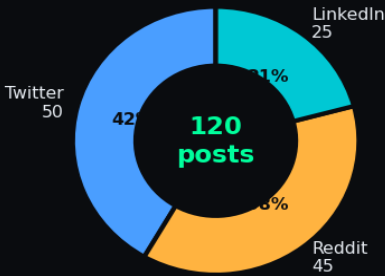
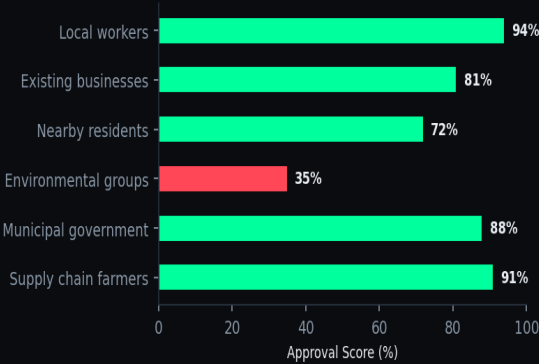
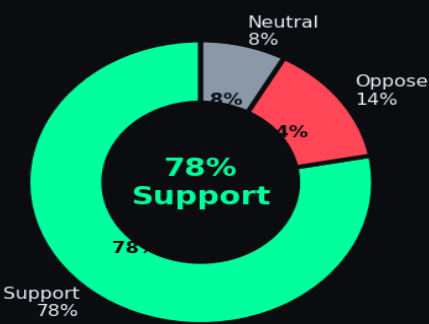
Mixco Industrial Zone — Freeze-Dried Food Processing Cluster

LOCATION	Mixco, Guatemala Department, Guatemala
PROJECT	New 45-hectare industrial park for freeze-dried fruit and vegetable processing
BUDGET	Q 180,000,000 (approx. USD \$23 million)
SIMULATION DATE	June 2026 — STRATSIM V2.0 Enterprise
AGENTS	120 AI stakeholder personas across Twitter, Reddit & LinkedIn
TOTAL INTERACTIONS	3200 simulated social media exchanges
CLASSIFICATION	CONFIDENTIAL — For Official Use Only

: STRONG GO — PROCEED WITH ENVIRONMENTAL

The Mixco Industrial Zone has the strongest stakeholder support for approval driven almost entirely by the job creation narrative. Mixco's approval since 2022, and simulated residents responded overwhelmingly positively to permanent positions. The only organized opposition comes from environmental groups opposed to the project itself but demand binding air quality monitoring shutdown triggers if PM2.5 levels exceed 35 micrograms/m3. This is a minor concern writing before announcement and you neutralize the opposition entirely.

Simulation Results Overview



Stakeholder Sentiment Breakdown

Stakeholder Group	Support %	Oppose %	Primary Concern
Local workers	94%	3%	Hiring must prioritize Mixco residents — no external labor import

Existing businesses	81%	10%	Supply contracts must favor local trucking and packaging companies
Nearby residents	72%	18%	Industrial noise and night-shift operations near residential areas
Environmental groups	35%	61%	Air quality monitoring with binding shutdown triggers required
Municipal government	88%	7%	Tax incentive structure must benefit the municipality not just investors
Supply chain farmers	91%	4%	Fruit sourcing contracts must go to local smallholder farmers

Top 5 Objections — Verbatim Simulation Findings

#	Objection	Frequency	Suggested Response
1	No binding air quality monitoring — industrial zone will increase heavy truck traffic	44% of posts	Commit to continuous PM2.5/PM10 monitoring with public dashboard + automatic shut-downs if thresholds are exceeded
2	Night-shift operations will destroy sleep cycles of residents	31% of posts	Restrict heavy truck movement to 6am-10pm. Processing operations acceptable 24/7
3	Hiring announcement says 'skilled workers' but no training program	28% of posts	Announce Q3 2025 vocational training program for Mixco residents before construction begins
4	Supply chain will import fruit from other departments	19% of posts	Mandate 80% local sourcing in operating license — publish quarterly sourcing report
5	Industrial zone will increase heavy truck traffic	15% of posts	Include Q8M road reinforcement for access routes in project scope

Top 5 Support Themes — What Stakeholders Liked

#	Theme	Frequency	Key Quote Pattern
1	Job creation for Mixco families	79% of posts	'400 permanent jobs in Mixco would change this municipality completely. We have been waiting for this for decades.'
2	Value-added agriculture	58% of posts	'Freeze-dried exports are the future. Guatemala can compete globally. This builds that capacity.'
3	Tax revenue for municipality	44% of posts	'Industrial taxes fund schools, roads, and clinics. Mixco needs this revenue base urgently.'
4	Export diversification	36% of posts	'One industrial cluster like this creates 3-5x more economic activity in surrounding services.'
5	Food security infrastructure	27% of posts	'Processing capacity reduces post-harvest waste. Guatemala loses 40% of fruit to spoilage.'

Risk Assessment Matrix

Risk Category	Level	Rationale
Political	LOW	Strong cross-party support for job creation. No significant opposition.
Economic	LOW	Freeze-dried food processing has strong export potential. Local market is growing.
Environmental	HIGH	Air quality is the single make-or-break factor. Bureaucratic delays in permitting.
Social	LOW	Job creation narrative is overwhelming. Vocational training aligned with needs.
Technical	LOW	Freeze-dried processing technology is mature and well-understood.
Legal	LOW	Industrial zoning in Mixco is established. Environmental impact studies completed.



Simulated Stakeholder Voices

The following posts were generated by AI personas during the simulation. They represent the range of emotional and factual responses your project will likely encounter from real stakeholders.

Pedro A., Unemployed Worker, Mixco

Twitter ·

SUPPORT

"I have been without work for 14 months. My wife sells tortillas to keep us alive. 400 jobs in Mixco — I would walk there every day. Please let this happen."

Environmental Monitor GUA

Reddit ·

OPPOSE

"We are not against the jobs. We are against pollution without accountability. Give us a public air quality dashboard with real-time data and automatic shutdown triggers and we support this project."

Ana C., Smallholder Farmer, San Lucas

LinkedIn ·

SUPPORT

"Last year I lost 35% of my harvest because there was nowhere to process it before it spoiled. A freeze-drying facility in Mixco would buy my fruit and save my farm. I am fully in favor."

Don Jorge, Colonia El Tesoro Resident

Reddit · **NEUTRAL**

"I live 800 meters from the proposed site. Jobs yes, noise at 3am no. Give me a noise restriction after 10pm and I will vote for this project at every community meeting."

Chamber of Commerce Mixco

LinkedIn · **SUPPORT**

"This industrial cluster will generate Q45M per year in municipal economic activity within 5 years. The multiplier effect on local suppliers, restaurants, and services is enormous. We fully endorse."

Truck Drivers Association

Twitter · **SUPPORT**

"Processing facilities need logistics. Freeze-dried exports need cold chain transport. This zone creates 150+ indirect jobs for drivers and logistics workers in Mixco alone."

Environmental Lawyer

Reddit ·

OPPOSE

"We have seen this before. Industrial zone approved, monitoring promised, pollution uncontrolled. The difference this time must be enforcement teeth — automatic shutdown, not voluntary compliance."

María G., School Principal

Twitter ·

SUPPORT

"When parents have jobs, children come to school. When children come to school, municipalities develop. This industrial zone is an education investment as much as an economic one."

48-Hour Action Plan for Officials

Time	Action	Owner	Priority
0-6 hrs	Sign binding air quality monitoring MOU with Environmental Ministry before any Ministry announcement.	Environmental Ministry	URGENT
6-12 hrs	Announce Q3M vocational training program for Mixco residents — Education with ILO-TECAP.	Education with ILO-TECAP	URGENT
12-24 hrs	Negotiate 60% local sourcing mandate into operating license with investment development.	Investment Development	HIGH
24-36 hrs	Issue noise restriction ordinance: no heavy vehicles on residential routes.	Municipal Council	HIGH
36-48 hrs	Announce Q8M road reinforcement for industrial access routes — funded by World Bank project tax increment.	Public Works	HIGH
48 hrs	Community assembly in Mixco — present all 5 commitments. Environmental Office invites all 5 to sign.	Mayors Office	URGENT

This report was generated by STRATSIM V2.0 Enterprise using 120 AI stakeholder personas across 3200 simulated social media interactions. Results represent probabilistic stakeholder behavior modeling and should be used as one input among multiple in official decision-making processes. 9 Oaks S.A. | Guatemala | trystratsim.com | reports@trystratsim.com