



# PERFORMANCE ANALYTICS & RESEARCH

# Risk Managed Demand

PHASE ONE

TRUST – ACCOUNTABILITY – TRANSPARENCY – INNOVATION

# Risk Managed Demand (RMD)

- ▶ Review
- ▶ Progress To Date
- ▶ Severity/Likelihood – Actuals
- ▶ Phase One Risk Matrix
- ▶ Risk Management (Recode)
- ▶ Capacity Forecast
- ▶ Considerations
- ▶ Next Steps

# Progress To Date

- ▶ Designed the RMD method
- ▶ Contracted an Implementor
- ▶ Coordinated with partners (SFD, ITD) to develop prototype data
- ▶ Conducted Risk Assessment/Risk Management for staffing estimates

# Severity & Likelihood

SEVERITY	DESCRIPTION
SEVERITY 5	An event with an associated, unnatural, death.
SEVERITY 4	An event with an associated injury requiring the ALS (i.e., paramedic) standard of care and transfer to a medical professional.
SEVERITY 3	An event with an associated injury requiring the BLS (i.e., EMT) standard of care and transfer to a medical professional.
SEVERITY 2	An event with an associated injury requiring care but no transfer of the patient to another medical professional (e.g., first aid).
SEVERITY 1	No physical injury to a person.

# Severity & Likelihood

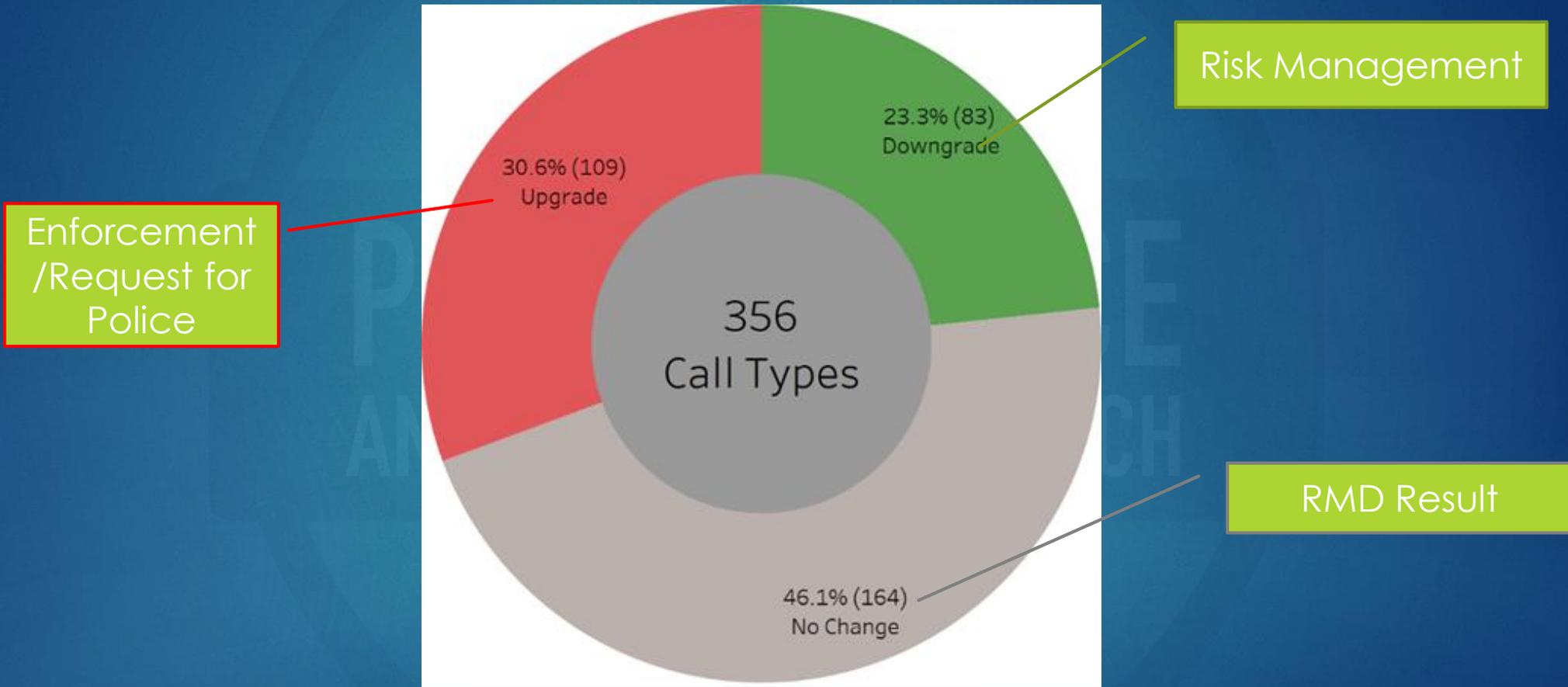
LIKELIHOOD	DESCRIPTION
VERY UNLIKELY	Occurring less than or equal to 1% of the time.
UNLIKELY	Occurring less than or equal to 5% of the time.
POSSIBLE	Occurring less than or equal to 10% of the time.
LIKELY	Occurring less than or equal to 25% of the time.
VERY LIKELY	Occurring greater than or equal to 50% of the time.

# Severity & Likelihood

	Sev 1	Sev 2	Sev 3	Sev 4	Sev 5
Very Likely	114	0	2	1	0
Likely	0	0	1	1	3
Possible	0	0	5	4	1
Unlikely	0	0	14	2	0
Very Unlikely	0	2	51	87	68

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# Risk Management



# Tier Structure

<b>TIER</b>	<b>DESCRIPTION</b>	<b>POLICY</b>
<b>TIER 1</b>	Police Response	High Risk – Police Response
<b>TIER 2</b>	Co-Responder Assisted Police Response	Medium High – Must Mitigate
<b>TIER 3</b>	Police Assisted Co-Response	Medium – Should Mitigate
<b>TIER 4</b>	Deferred Response	Low Medium / Low – No Mitigation

# Capacity Forecast

--ALARM-VEHICLE ALARMS	--THEFT - CAR PROWL	INFORMATIONAL BROADCASTS
--ASSAULTS - TELEPHONE, WRITING	--THEFT - SHOPLIFT	INJURED - PERSON/INDUSTRIAL ACCIDENT
--AUTOMOBILES - ABANDONED CAR	--TRAFFIC - COMMUNITY TRAFFIC COMPLAINT (CTC)	NO ANSWER WHEN CALLED
--AUTOMOBILES - AUTO THEFT	ABANDONED VEHICLE	NORAD - INCIDENTS INV AIRCRAFT (EXCL CRASHES)
--AUTOMOBILES - LICENSE PLATE(S) THEFT OR LOSS	ABDUCTION - NO KNOWN KIDNAPPING	PARKING VIOLATION (EXCEPT ABANDONED CAR)
--DV - DOMESTIC THREATS BY PHONE OR WRITING	ANIMAL - DANGEROUS	PARKS VIOLATIONS/CITES (INCLUDES EXCLUSIONS)
--DV -VULNERABLE ADULT, FINANCIAL EXPLOITATION	ANIMAL - INJURED, DEAD HAZARD, OTHER	PHONE - OBSCENE OR NUISANCE PHONE CALLS
--FRAUD - FORGERY, BAD CHECKS	ANIMAL - IP/JO - BITE	POWER OUT - POLES AND TRANSFORMERS
--FRAUD - FRAUD, INCLUDING BUNCO	ANIMAL, REPORT - BITE	PROPERTY - DAMAGE (GUN RELATED)
--HARBOR - DEBRIS, NAVIGATIONAL HAZ	ARSON - REPORT	PROPERTY - LOST OR MISSING
--HARBOR - HARBOR CODE VIOLATION	ASSIST PUBLIC - NO WELFARE CHK OR DV ORDER SERVICE	SECONDARY - FORGERY/BUNCO/SCAMS/ID THEFT
--HARBOR - MARINE FIRE	AUTO - THEFT/LOSS, PLATES AND/OR TAB	SECONDARY - THEFT (NOT SHOPLIFT OR SERVICES)
--HARBOR - VESSEL, ABANDONED	AUTO THEFT-IP/JO - VEHICLE, PLATES, TABS	SHOPLIFT - THEFT
--HARBOR - VESSEL, THEFT	AWOL - ADULT OR JUVENILE	SLEEPER ABOARD BUS/COMMUTER TRAIN
--HARBOR - VESSEL, THEFT AND RECOVERY	BIAS -IP/JO - RACIAL, POLITICAL, SEXUAL MOTIVATION	THEFT (DOES NOT INCLUDE SHOPLIFT OR SVCS)
--PERSON - A.W.O.L.	BIAS -RACIAL, POLITICAL, SEXUAL MOTIVATION	THEFT OF SERVICES
--PERSON - FOUND PERSON	BOMB - THREATS	THREATS - DV - NO ASSAULT
--PERSON - LOST PERSON	BROADCAST AND CLEAR BY RADIO	THREATS (INCL IN-PERSON/BY PHONE/IN WRITING)
--PERSON - MISSING PERSON	BURN - RECKLESS BURNING	TRACKING ALARM
--PERSON - RUNAWAY	CHILD - LURING	TRAFFIC - ASSIST MOTORIST
--PREMISE CHECKS - LICENSE INSPECTIONS	CUSTODIAL INTERFERENCE - DV	TRAFFIC - BLOCKING ROADWAY
--PROPERTY - FOUND PROPERTY	EXPLOSION - IP/JO	TRAFFIC - BO SIGNALS AND DOWN SIGNS
--PROPERTY - FOUND PROPERTY (NON-SPD SIN)	EXPLOSION WITH SIGNIFICANT DELAY	TREES DOWN, OBSTRUCTING PUBLIC PROP (NO HAZ)
--PROPERTY - MISSING PROPERTY	FIREWORKS - NUISANCE (NO HAZARD)	TRU - FORGERY/CHKS/BUNCO/SCAMS/ID THEFT
--PROPERTY DEST (DAMG)	FRAUD - FORGERY,BUNCO, SCAMS, ID THEFT, ETC	TRU - PROPERTY DESTRUCTION/DAMAGE
--PROPERTY DEST (DAMG) - GRAFFITI (INCLUDES GANG)	HARAS - NO BIAS, THREATS OR MALICIOUSNESS	TRU - SHOPLIFT
--SEX OFFENSES (NON-RAPE) - FAILURE TO REGISTER	HARBOR - WATER DEBRIS, NAVIGATIONAL HAZARDS	TRU - THEFT
--THEFT - ALL OTHER	HARBOR - WATER NON-EMERGENCIES	WATER FLOODS (BROKEN MAINS/HYDRANTS, NO HAZ)
--THEFT - AUTO ACCESSORIES	HZMAT - HAZ MATERIALS, LEAKS, SPILLS, OR FOUND	WIRES DOWN (PHONE, ELECTRICAL,ETC.)
--THEFT - BICYCLE	ILLEGAL DUMPING	

# Considerations

- ▶ Desilo & Cleanup
- ▶ Managing the Feedback Loop
- ▶ Trust & Legitimacy/Formal Social Controls
- ▶ Compounding Disparity



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# Next Steps

- ▶ Building the Model
- ▶ Operationalizing the Method
- ▶ Field Testing and Recalibration
- ▶ Sharing Our Experience/Quality Assurance



*If you dream it...  
we will build it...*

*COTS / Custom /  
Open Source*

*And share it with  
the world.*