

MANY OF US HAVE WORN MANY HATS!

WHY IS AMERICA'S FAVORITE PAST-TIME DRIVING STUFF INTO POLES!?!?

HOW DOES WILDFIRE AFFECT ENERGY SYSTEMS?

DUDE, THE AMOUNT OF EXPERTISE IN THIS ROOM IS INCREDIBLE.

IF IT WERE UP TO LAND MANAGEMENT FOLKS, POWER LINE WOULD NOT GO HERE, HERE, OR HERE. BEGINS WITH CONVERSATION & NEGOTIATION.

WONDERING HOW LAND MANAGEMENT CAN LEAN IN MORE WITH UTILITIES... NOTICING MORE COULD BE DONE WITH MORE INFO SHARING.

SMOKEHOUSE GRID FIRE

CAMP FIRE, DIXIE FIRE, EATON, LAHAINA

ARDING, GROUND LINES, VEGETATION CONTACT

70% WILDFIRE DAMAGES DUE TO GRID-INDUCED FIRES

ALL DEADLY

TWO CATEGORIES OF LITERATURE...

THE GAP DOES NOT LOOK @ GRID EXPANSION, TOPOLGY, CONTACTS, TEMPERATURE... WHICH IMPACTS FIRE RISK

HMMMM, GRID SENSORS ARE MISSING SOME THINGS... WANT TO AVOID SHUT-OFFS, FURTHER EXPLORE FINGER PRINTS IN GRID INDUCED FIRES W/ UTILITY INFO TOO!

RESEARCH ACCURACY

DATA

CRITERIA

GAPS

SCIENCE

EMERGENCIES

ELECTRICAL UTILITIES

SOME TOP PRIORITIES FOR UTILITY EXEC:

- COORDINATION PLANS
- POSTS PLANS
- REGISTRATION PLANS
- OPERATIONAL RESILIENCE
- EMERGENCY RESPONSE
- SAFETY WITH RESPONSE
- NOT TO BE VULNERABLE

WE CAN HELP EACH OTHER!

RESILIENCE

DEPENDENCY

MECHANICAL ENGINEERING

EMERGING

SETTING THE THRESHOLDS, LEARN FAILURE PROBABILITY

CONDUCTOR HEIGHT, FUEL, VEGETATION, WIND, DIRECTION

HOW CAN WE LEARN HOW TO PREDICT & ANALYZE HEAT?

PREVENTING ANY SECONDARY WILDFIRE DURING EMERGENCIES

BEGIN LONG-TERM PLANNING NOW, DO NOT HAVE TO WAIT TEN YEARS

RECOVERY ACTIVITIES

DETERMINE FRAGILITY FUNCTIONS

DECISION = HOW TO ROUTE POWER DUE TO HIGH HEAT

REINFORCEMENT & PREPAREDNESS

DETECTION & PREVENTION

MITIGATION & RECOVERY

POST-EVENT ANALYSIS

FROM LINEMAN IN AUSTRALIA TO FOUNDED BROWDER

HOW DO WE DETECT A LINE ON THE GROUND?

HOW CAN THE INTEGRITY OF THE POLE HELP?

VIBRATION AGE LOAD HEAT

TO MEASURE, UNDERSTAND, ACT

POLE, UP OR DOWN

ACROSS TIMELINE, IMPROVE OUR AWARENESS

5 HOURS FOR BRANCH ON FIRE TO FALL...

ALL THE MITIGATIONS ARE HELPFUL, BUT ONLY IF YOU CAN SEE THEM...

POLE FALLS

RESPOND

POLE FALLS

10:30-11:25AM

WEDNESDAY AUG 12 2026

PIEDMONT WILDFIRE-ENERGY WORKSHOP

REDDALE GRAPHIC RECORDER WADE FORBES

WESTERN STATES and WILDFIRE

SHARE YOUR WARMEST WELCOME WITH OUR PANELISTS STILL ON WEST COAST TIME!! (AND THEIR FLIGHTS WERE DELAYED TOO)

AFTER H. HELENE, MANY DIFFERENT FACTORS SHINED UP FOLLOWING SPRING SO WE HAD TO PRACTICE IN PALMETO INFERNO IN S. CAROLINA

WASHINGTON

WOULD LOVE TO HAVE MORE EXERCISES!

BE READY TO DEPLOY A LOT OF SMOKE CAMERAS & PAY ATTENTION TO WHERE THEY VARY WITH A CLEAR PROBLEM TO SOLVE BASED ON YOUR PLANNING!

WISHED WE WOULD HAVE SECTIONALIZED & MAPPED

BUCKETS USED TO SPLIT UP WILDFIRE MANAGEMENT PLANS TO HELP SHEPHERD ALL THE PROVIDERS

ASK UTILITY HOW THEY'LL RESPOND DURING THE FIRE SEASON (AND OUR GROUP HELPS WITH SIZE & SCALE)

LEARN INTO SMOKE HEALTH TO GET FOLKS TO LEAN WITH US

3. 100's REGULATED BY COMMISSIONERS LARGE AREA, LARGE CUSTOMER BASE

ALL THE WAY DOWN TO PAPER MAPS OR 'ONE DAY WHO DOES IT'

ONE EVENT

LEGISLATION, POLICIES, GUIDANCE

ADDRESS CONCERNS

WE GREW THRU:

- ANNUAL CONFERENCES
- SHAPING CAMERA PLACEMENT DATA
- IMPROVING REGULATION PACKETS

IN THE EAST...

- CAREFULLY LOOK AT PSPS IN YOUR AREA AND SHARE CONSEQUENCES
- DO PSPS PLANNING WAAAAAY IN ADVANCE
- WISH I HAD TAKEN BETTER NOTES ON NEW ROLES
- SHIFT FROM THE HURRICANE RESPONSE TO WILDFIRE
- MAKE A LIST OF PSPS REG'S VERSUS REQUIRING A TEMPLATE. BE AWARE OF WHAT'S ENFORCEABLE.

EVALUATION CRITERIA

- KNOWING WHAT REGULATORS NEED
- NEED EFFORTS ARE GREAT & TIMELINES ARE CRITICAL
- KNOWING WHERE CRITICAL ELEMENTS ARE LOCATED
- PSPS - COST
- EPSS - RELIABILITY
- SPEED
- SHARING HOW BASELINES SHIFT & THOSE FACTORS

MEASURE

HAVE CONSISTENT TERMS & APPROACH

TOP 3 PRIORITIES

1. DATA - AGE, CONDITION, WEATHER, HISTORY
2. URGENCY, URGENCY, URGENCY, URGENCY
3. MAP OF HAZARDS COMPARED TO CURRENT MITIGATIONS TO SEE HOW IT'S TRACKED

11:30-12:15

WEDNESDAY AUG 12 2026

PIEDMONT WILDFIRE-ENERGY WORKSHOP

REDDALE GRAPHIC RECORDER WADE FORBES

WELCOME BACK FROM LUNCH!

UTILITY

DUKE ENERGY ANCHOR FOR THE SOUTH EAST

WILDFIRE MITIGATION PLANNING

YOU + ME PARTNERSHIPS

STRATEGY FROM THE SMALLS

LEVERAGE EXISTING PROGRAMS

LISTEN LIKE A FRIEND

AVOID BEING TOO PRESCRIPTIVE

APPA

"VOICE FOR NON-PROFIT" POWERING 7,000+ TOWNS SERVING 1,500 MEMBERS - PUBLIC POWER UTILITIES SERVES 1 OUT OF 7 IN U.S.

LOCAL DECISION-MAKING WHICH MEANS THINGS DO NOT ALL LOOK THE SAME

PERFECT PLAN

ONE GROUP MAY ONLY HAVE TEN PEOPLE

WILDFIRE IMPACTS GROUPS VERY DIFFERENTLY

HELP UTILITIES TO CONNECT

APPA PLATFORM

1. BASIC STRUCTURE (LOW-COST)

2. RISK INFORMED PLANNING

3. PROGRAM DURABILITY

4. GOVERNANCE

5. STAFF CAPACITY

6. ACCESS TO DATA, TOOLS & SUPPORT

NOT ONE-SIZE FITS ALL!

PERSPECTIVE FROM A FIREFIGHTER NOW ADVISOR

EXPLORE PROVEN PRACTICES, METHODS & FRAMEWORKS

THEN MAKE YOUR PATH

90,000 SQUARE MILES

58,800 MEGAWATTS

@ DUKE... OH WAIT, NUMBERS ARE CHANGING AS WE MEET... PART OF OUR JOINT CHALLENGE

NO STANDARD RISK ASSESSMENT

STANDARD TERMS, LOOK @ HISTORY, & REMOVE ASSUMPTIONS

UTILITIES HAVE SOME

OTHERS HAVE SOME

SHOULD NOT ASSUME ONE PLACE HAS ALL THE INFORMATION

SHARING

WE ARE GONNA NEED TO OBTAIN INTELLIGENCE FOR TERRITORY THAT'S FLEXIBLE

COOPERATIVE PERSPECTIVE FROM NATION'S CAPITAL TO SOUTHERN, VA, CITIES TO MOUNTAINS TO REALLY TALL TREES

...MANY THINGS THAT TOUCHED BUT WE NEEDED CLARITY ALL IN ONE PLACE

COMMUNICATIONS

RESTORATION

DATA FEEDS

SATELLITE IMAGERY OF TREES

HOW WE MONITOR

HEAT MAPS

PREVALENCE

DASHBOARD SO OUR PLAN LIVES IN REAL LIFE OUTSIDE OF MS TEAMS

SMALL TEAM TO HELP US FOCUS

PRIORITIZE OUR EFFORTS & MAKE PROGRESS TOGETHER

HMMM, HOW IS YOUR RISK ASSESSMENTS BEING INTEGRATED??

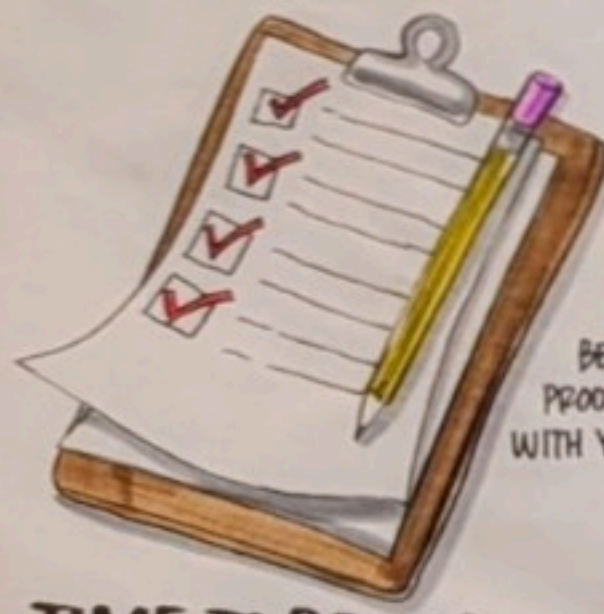
FIRES DO NOT FOLLOW SAME PATTERNS, NEITHER SHOULD WE!!

1:30-2:25 PM

WEDNESDAY AUG 12 2026

PIEDMONT WILDFIRE-ENERGY WORKSHOP

REDDALE GRAPHIC RECORDER WADE FORBES



BENEFITS TO FIRE PROOFING YOUR HOME WITH YOUR INSURANCE?

TIME TO BRING IT ALL HOME!

NEXT STEPS:

HOW DO WE WORK TOGETHER GOING FORWARD?

FIRE PREVENTION
DEPLOYED TO DRY AREAS
BROCHURES IN MULTIPLE LANGUAGES TO EDUCATE
LEVERAGE UTILITY EMAIL NEWSLETTERS TOO!

MARCH 4 2025 144 FIRES IN ONE DAY

EVERY DOLLAR SPENT ON AWARENESS SAVES \$36 ON FIRE RESPONSE!

NECESSARY ITEMS:

- RELATIONSHIPS
- SHARING DATA
- TERRITORY SPECIFIC
- TRAIN TOGETHER
- FIND A CHAMPION

KNOWING HOW EAST COAST WEATHER HAS WIDE VARIETY TO PLAN FOR

LEARN FROM THE WEST!

THAT MOMENT YOUR HOME TOWN IN THE WEST IS SWALLOWED UP BACK WEST AND NOW YOU CAN HELP IN THE EAST!

PLANS! PERSONNEL! ASSETS! HISTORY!

PLENTY OF INFORMATION TO JUST START!!!

NOT US!

WE CAN DO GOOD WORK AND PREVENT

FIRE & POWER

HAVE BEEN TOGETHER SINCE THE BEGINNING... IS THAT THE CASE WHERE YOU ARE?

3:45 - 4:45 PM

WEDNESDAY
AUG 12
2026

WONDER WHAT WE WILL LOOK LIKE IN 10-20 YEARS?

PIEDMONT WILDFIRE-ENERGY WORKSHOP



ANYTHING THAT KILLS THE TREES, SUBS-FLOODS-FIRES... I CARE ABOUT

37 BULLDOZERS IN SOUTH CAROLINA
FASTEST BURNING STATE

- COVER OVER 14 MILLION ACRES
- PEOPLE BUYING HOMES AND LAND IN RURAL AREAS WHICH ADDS LEVELS OF COMPLICATION AND COORDINATION
- NO ONE IS LEAVING

COMMAND POST VISITS

COORDINATION OFFICERS

WHO IS NOT HERE?
• UTILITY • PARTNER
• REGION • STATE
• FORESTRY

...WHO IS YOUR 1ST CALL?

PEOPLE BURNING LEAVES IS A BIG PROBLEM

INCIDENT COMMANDER
TRANSMISSION LINES?
GOVERNOR OR STATE OFFICIAL?

UTILITY, FIRST RESPONDERS?
YOUR GREAT FRIEND FROM A RECENT EVENT?
THE GROUP THAT'S PAYING?

INVITE THEM ALL!

- NEIGHBORING STATE
- RAILROADS
- UTILITIES IN OTHER STATES
- CONCERNED COMMUNITY MEMBERS

WOOD CHIP DAY

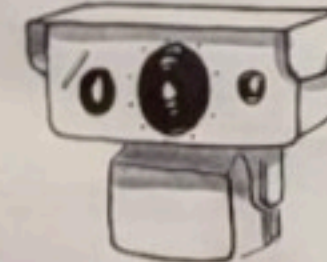
BURN BRUSH for FREE

NOTIFY LEARN HOW TO GET ALERTED

EXPLORING HOW TO PROTECT BATTERY BACK-UP FACILITIES

HEADS UP FOR SOLAR!

FIRE FIGHTERS DO NOT GO NEAR THOSE PANELS & WE HOPE YOU HAVE WATER NEARBY...



ARE THE CAMERAS IN RIGHT PLACE?

NEW REGULATION

ADVICE 4 YOU

AVOID BLAMING WHEN IT'S BURNING

MORE, MORE TABLETOPS LIKE THIS

PUBLIC DASHBOARD

ONLY LASTS IF PEOPLE ARE INTEGRATED IN IT

WHICH CONTRACTS TO REVISIT & UPDATE?

REDDALE GRAPHIC RECORDER WADE FORBES

COORDINATION EXAMPLES:

MARCH 2025
• IN NORTH CAROLINA MOUNTAINS
• STATE LAND
• NO CHEMICALS ALLOWED
• 1 COORDINATOR TO OVER 5
• UTILITIES WERE GREAT
• CROSSED STATE LINES
"YOU'RE GOING TO START ANOTHER FIRE!?"
"NONE OF THIS HAPPENS WITHOUT EXISTING PARTNERSHIP"

YOU'RE GOING TO ADD MORE FIRES!
UM, YES SIR/MA'AM. WE KNOW HOW TO DO THIS WELL & WE TRUST THOSE ALL INVOLVED

BY INCLUDING NEW LEADERS AND OFFICIALS IN YOUR WORKSHOPS THEY ARE MORE FAMILIAR WITH HOW YOU OPERATE.

WORKSHOPS

IS WHERE MY WORK, MY EARLIER PLANNING, MY NEW RELATIONSHIPS ALL GOT STARTED.

NEVER ONE AND DONE. ALWAYS CHANGING. JUST START

WE ARE HEARING FROM EVERYONE, THEIR UNIQUE EXPERIENCES!

FEMA: CAPTURE & DOCUMENT YOUR COSTS AS YOU DO DISASTER PLANNING

RESPONDING to Wildfire

TRAINING SHOWS US WHAT A BAD DAY WILL LOOK LIKE

HOW WE TRAIN DIRECTLY IMPACTS OUR RELATIONSHIPS

LEARNING HAPPENS BOOTS ON THE DIRTY GROUND & ROOMS FULL OF PEOPLE LIKE THIS...

ONE YEAR 160,000 MILES BURNED. THEN IN TWO AFTERNOONS 1,000,000 ACRES BURNED

FAST FIRE, URBAN FIRES & THOSE UNCONTROLLABLE FIRES YOU JUST CAN'T TRAIN FOR KEEP ME UP

HOW DO YOU APPROACH THAT?

- STRUCTURE GROUPS FOR RESPONSE
- FOCUS MORE ON YOUR RELATIONSHIPS
- HIRE FOLKS OUT OF WILDFIRE INDUSTRY
- DROPPIN' PINS!

45 YEARS IN THIS BUSINESS, 25 YEARS AS A CHIEF

...EARLY, RAPID RESPONSE MEANS THEY CAN BE OUT BEFORE THE BOSS KNOWS



RURAL FIRE HYDRANTS = POND

WILDFIRES KEPT SMALL ARE KEY TO US

BULLDOZERS ARE MY FRIEND

OUR INITIAL ATTACK IS CHANGING TO MATCH THE CHANGING FIRES

- FIRES RUNNING DOWNHILL
- VEGETATION ON LINES
- ELECTRICAL POLE FIRE WHERE ROLE NEVER FAILS

2:30 - 3:30 PM

WEDNESDAY
AUG 12
2026

EVENT ESCALATION: MINOR HAS ___ VOLUNTEERS, ___ CAREER, ___ TANKERS
SO WHAT HAPPENS WHEN MULTIPLE INCIDENTS OVERLAP OR MINOR TURNS TO A MAJOR INCIDENT...

INCIDENT RESPONSE

WHAT HAPPENS WHEN YOU DON'T HAVE LIGHTS

I'M WORRIER...

HOW MANY FIRE WARRIORS ARE AVAILABLE TO RESPOND?

HOW TO TALK ON RADIO

HOW TO EVACUATE

EXPERT ADVICE

DO NOT SEND THIS GUY TO A WILDFIRE
...HE WOULD NOT DO WELL

WHEN ARE WE IN CHARGE & WHEN DO WE PROVIDE SUPPLEMENTAL SUPPORT?

I CAN SEE BURNING POLE

...BUT CANNOT ENGAGE UNTIL UTILITY ARRIVES

WHEN WAS THE LAST TIME WE PRACTICED?

PSPS = CONSEQUENCE MANAGEMENT ON SUCH A LARGE SCALE. FIGURE ALL THAT OUT. ATTEND MORE EXERCISES & DRILLS WITH YOUR UTILITIES.

DO WE KNOW LEVEL OF INCIDENT?
HOW MANY RESPONDERS INVOLVED?
ARE YOU READY FOR THE DAILY INCIDENT MEETING?
LOCAL VS. REGIONAL EMERGENCY?
...THAT MOMENT THE FIRE GOES UNDERGROUND



WE DO HURRICANES FAIRLY WELL IN S. CAROLINA & THESE WILDFIRES THROW US A CURVEBALL



DO YOU HAVE THE RIGHT DIGITS TO CALL WHEN IT GOES DOWN?

WHO WILL FLY THE HELICOPTER? WHO WILL PAY FOR IT? WHEN WILL THEY DECLARE A STATE OF EMERGENCY? WHEN/WHO CALLS THE NATIONAL GUARD???

27 COUNTRIES THAT EMPLOYEE COULD DIE FROM, SHORTER LIFE SPAN

WILDFIRES IMPACTS THE WHOLE PERSON... GEAR TO FULLY PROTECT YOU? \$3,000.00

KNOW THE HAZARDS OF WHAT'S ACTUALLY BURNING!

WHO NEEDS US MORE & MORE?

WHO PRIORITIZES YOUR NEEDS?

WHO DO YOU CALL ON A BAD DAY?

WHO CALLS YOU ON A BAD DAY?

WHO DEPENDS ON OUR DASHBOARD?

WHO NEEDS US THE MOST?

PARTNERSHIPS MEAN BEING ABLE TO CLOSE ROADS

HOW EARLY ARE YOU ABLE TO MEET WITH RESPONDERS TO LEAD DISCUSSIONS?

BAD WEATHER COMIN'

PIEDMONT WILDFIRE-ENERGY WORKSHOP

REDDALE GRAPHIC RECORDER WADE FORBES

BALANCE OF CARROTS & STICKS STRUCK BY REACHING OUT TO YOUR STATE

STATE PERSPECTIVES

ON TRENDS AND LANDSCAPES

ARE YOU SPEAKING SAME LANGUAGE IN YOUR COUNTY?

REFRESH 'YER COFFEE
MOVE TO FRONT OF THE ROOM

BEGAN CAREER WITH LARGEST WILDFIRE IN TENNESSEE HISTORY

MULTI-HAZARD, SIMILAR THREAT

TORNADO + COVID = WELCOME TO YOUR NEW JOB!

DEGREES IN BIOLOGY & ENGLISH

NOT WILDFIRE EXPERT

BACKGROUND IN MARINE CORPS HAD PREPARED ME FOR VERY LITTLE ENERGY FUNDING

IMPROVISE... ADAPT... OVERCOME

EMERGING THREATS TO PIEDMONT REGION

I'M GOING TO NEED NEWER FRIENDS!

PRIDE MYSELF ON HELPING OTHERS FIND A PATH

SPENT TIME IN CONSULTING & POLICY... THEN GOT ENERGY PORTFOLIO WHILE IN D.C.

WE VIEW WILDFIRE AS SECONDARY THREAT BASED ON ENVIRONMENT OUR INFRASTRUCTURE RESIDES IN...

6,800 FIRES SO FAR IN 2026 BURNING NEARLY 140,000 ACRES

LIGHTNING

WHEN YOU BUILD IT, KEEP THE TAPPED FRONTIER IN MIND, THE TENSION, TOUCH GRASS, CREATE RELATIONSHIPS YOUR FRONT OF MINE MAY BE DIFFERENT THAN OTHERS

REMEMBER: YOU CAN PROGRESS QUICKLY BUILD NEAR WATER, SMALLER FIRE TRUCKS TO NAVIGATE, SWITCH BACKS, HELP YOUR LOCALS & TOURISTS MAKE SAFE CHOICES DURING AN EMERGENCY EVENT

DOES YOUR POLICY CREATE COLLABORATION OR SINGULAR DO ONLY ONE THING?

YOU TELL US WHAT IS IMPORTANT IN YOUR AREA FOR ESF12

OUR ROLE - MAKE THINGS EASIER FOR UTILITIES

SAFETY - SELLING IN YOUR STATE BY VISITING

FREE APP FROM OUR STATE TO YOURS

FROM TEACHING & COACHING TO USING ESF12 PROVIDING SUPPORT TO THE UTILITIES & BOOKING HOTELS DURING HELENE RESPONSE...

UTILITIES NEED LAT/LONG & QUICK GEOLOCATION

WE UPDATED APP TO IMPROVE WORKFLOW FOR UTILITIES

LEARNED QUICKLY: TRANSMISSION TO COMMUNICATIONS TO ENTANGLEMENTS

TAKE TIME TO REFLECT, TELL STORIES, STAY A PROGRAM & IMPROVE IT

COUNTY TOLD US WHAT WAS CRITICAL TO THEM, TOOK GUESSING OUT HOSPITAL LOCATED NEAR GAS STATION

PORTAL WE BEGAN WITH DEBRIS NOT ENTANGLEMENT

TAKE TIME TO REFLECT, TELL STORIES, STAY A PROGRAM & IMPROVE IT

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PIEDMONT WILDFIRE-
ENERGY WORKSHOP

REDDALE
GRAPHIC RECORDER
WADE FORBES

INSURANCE COMPANIES ASKING FOR HELPFUL LEVEL OF DETAIL
OF POLES IN YOUR AREA AND AREAS OF RISK YOU MAY HAVE NOT YET CONSIDERED!

HOW WILDFIRE AFFECTS ENERGY AFFORDABILITY?

STATE ENERGY OFFICES ARE HIGHLY COLLABORATIVE...
- LIGHT ON AUTHORITY
- HEAVY ON RESPONSIBILITY

THIS PANEL @ SYSTEM LEVEL, INFORMING INSURANCE & LIABILITY DECISION-MAKING.

UNDERSTAND THE TRUE COSTS OF WILDFIRE

DETERMINING HOW TO SHIFT COSTS RESPONSIBLY IN THESE GROWING AREAS OF CONCERN

THREE-PART WEBINAR DATABASE OF WILDFIRE PLANS BY PNNL THAT ARE AVAILABLE: wildfire.pnnl.gov/mitigation-plans

BUILD CONFIDENCE
UTILITY CREDIT RATINGS
ASSIGNED RESPONSIBILITY

EVERYONE NEEDS A PLAN TO ADDRESS THIS NOW

WEST UTILITIES... FISCAL PERFORMANCE WAS GROWING CLOSER BUT RESEARCH CONDUCTED ON HOW TO PLAN FOR COSTS

EAST UTILITIES... YOU NEED A PLAN FOR WILDFIRE... NOT EVERYONE DOES IT THE SAME BUT TIED TO LIABILITY

VARIATION
RESPONSIBILITY
LENGTH
LEVEL OF DETAIL

10:00-10:45 AM

WHAT IF OUR STATE HAS A CATASTROPHIC FIRE? WHO PAYS? WHO PLANNED? WHO DECIDES?

HOW DO YOU GET THESE CONVERSATIONS GOING? WE EDUCATED HOMEOWNERS ABOUT BENEFITS OF VEGETATION MANAGEMENT TO REDUCE ALL OUR COSTS

MY JOB IS TO PURCHASE INSURANCE POLICIES

WE PROVIDE FOOTPRINT TO HERE & HYDRO TO THIS VALLEY HERE, HERE... INSURERS ARE VERY SPECIFIC

NO LIMIT TO LOSS PREMIUM WENT UP 50%, 2.5% SPEND FOR OVERALL UTILITY

WE ARE PROUD OF OUR WORK & ACCREDITATION

CONSISTENCY CONTINUITY

LIABILITY TODAY'S DIRTY WORD

WEATHER ASSISTANCE SAFETY REBATES

2016: \$4,000,000
2019: \$16,000,000

WE HAD TO REDUCE OUR RISK BECAUSE THIS WAS NOT SUSTAINABLE

VEGETATION MANAGEMENT IS WHERE WE BOUGHT DOWN RISK

WE HAD TO GO TO BERMUDA! (SUCKS SO BAD)

ONLY ABLE TO DO BUSINESS ON THEIR SOIL

400ft VEGETATION BOUNDARIES, OUR ACCURACY IMPROVED, OUR IMAGERY IMPROVED

NEW TECH TO INSPECT OUR POLES TOO

HELP UNDERWRITERS TRULY UNDERSTAND

UNDERSTANDING & RELATIONSHIPS LED TO LOWER PREMIUMS, NO FIRES, STRONGER PROGRAM THAT WE CAN MANAGE!

CONSIDER LOAD REDUCTION & WILDFIRE MITIGATION

POLICY REGULATION PLAN

HOW WELL ARE THESE LINKED? HOW WELL DO THESE HELP US? WHO IS APPROVING THESE FOR WILDFIRE?

TAUGHT US HOW TO SPEAK & IMPROVE RELATIONSHIPS WITH LAND OWNERS

PIEDMONT WILDFIRE-
ENERGY WORKSHOP

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HMMM, EVEN A NAME OF THE FIRE MIGHT NOT BE ACCURATE! IT HAPPENED OVER HERE!!

ORIGIN & CAUSE EXPERIENCES

LAHAINA FIRE INVESTIGATION

KNOWING TO CONSIDER ALL THESE PIECES

FORENSICS STRUCTURAL RESPONSE INVESTIGATION RESEARCH... AND ENDLESS MORE TO CHECK!

WHY IT HAPPENED

WE DOCUMENT WHAT HAPPENED, SO HOW DO WE LEARN MORE ABOUT WHY?

NEW LEGISLATION BEING PASSED
UPDATES TO INFRASTRUCTURE
BEING COMFORTABLE WHEN YOU'RE CALLED

UNDERSTANDING HOW ABILITIES TO COMMUNICATE CHANGES DRASTICALLY DURING THE IMMEDIATE RESPONSE

BETTER TO KNOW THE PEOPLE WELL BEFORE THIS HAPPENS

LOOK AT ALL THE SOURCES! HOW DO WE EVALUATE OUR DATA AND EVEN EXPAND TO NEW SOURCES WE WOULD NOT NORMALLY USE OR EXPECT? AS NEW INDUSTRIES GROW, RECOVERY NEEDS ARE GOING TO CHANGE, NEW ITEMS OF ASSETS

WHISKER LABS TING SENSOR DATA

EVIDENCE COLLECTED

IF WE HAD MAINTAINED THIS DRY CREEK BED, THE REKINDLING WOULD NOT HAVE TAKEN PLACE

SOOOO MANY LAYERS OF COORDINATION, PREVENTION MEASURES, OPPORTUNITIES TO MAKE SURE THIS NEVER HAPPENED TO US!

OH, THAT WAS ONCE A PIECE OF WIRE!! WOW!

EVEN THE INITIAL PHONE CALL BECOMES PART OF HOW WE PIECE IT ALL TOGETHER...

I INSPECTED THE TRANSMISSION LINE & IT WAS GOOD TO GO

WE HEARD A BOOM!

YOU CANNOT PUT VALUE ON LIVES LOST

ENSURING WE LEARN FROM VERY COMPREHENSIVE MATERIALS PRODUCED AFTER A MAJOR WILDFIRE EVENT.

HOW CAN UTILITIES HELP IN AN INVESTIGATION?

KNOWING WHICH CRITICAL INSTALLATIONS HAVE JUMPERS NEAR CERTAIN BASES IS VERY HELPFUL BUT INVESTIGATORS CANNOT GIVE/OFFER ADVICE.

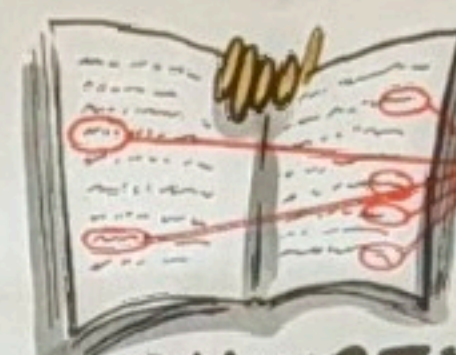
11:00-11:40AM

PIEDMONT WILDFIRE-
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REDDALE
GRAPHIC RECORDER
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SORRY TO INTERRUPT
YOUR NETWORKING BUT
METRICS

WMP RESILIENCE METRICS



WITH NEW CHALLENGES,
WE WILL NEED NEW DEFINITIONS
TO OUR WILDFIRE PORTFOLIO.

@ YOUR TABLES, SPEND 5 MINUTES
TO INTRODUCE ONE ANOTHER!

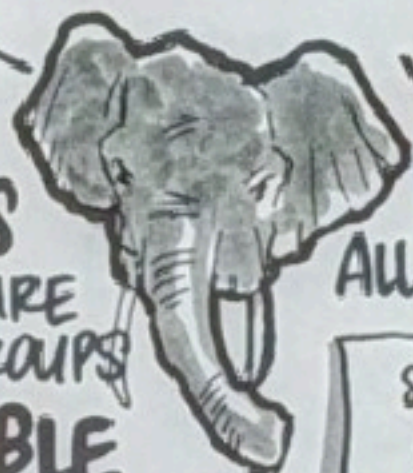
HOW TO MEASURE
SUCCESS

THEME
HERE

CONNECT NOW

WHERE
TO START

TRACKING
YOUR
PROGRAM



YOU CAN'T
EAT ME
ALL @ ONCE!

START
HERE

SIZE MATTERS

IN HOW WE MEASURE
& TRACK CERTAIN GROUPS

WHAT IS VISIBLE

NOW COMPARED TO WHAT
WE NEED TO GO OUT & LEARN

WHO DO WE NEED TO MEET

SINCE NONE OF US CAN DO THE WORK ALONE



LOOK @ HOW
THINGS PROGRESS
& TIME BOUND THINGS

• EFFECTIVENESS

• RESILIENCE

• LOOKING OUT 5-10 YEARS

START

NOT EVEN OR COMPLETE FOR ANYONE

TAKES TIME TO MEASURE PERFORMANCE OF A PLAN

UNDERSTANDING OUR JOURNEY
AND HOW IT PROGRESSES AS WE

LEARN & GROW...

ESTABLISHING RESILIENCE

WITHSTAND OR RESIST, RAPID
RECOVERY, RESTORATION,
ADAPTIVE ACTIONS, CONTINUITY,

ANTICIPATION AND PREPAREDNESS!!!

NO IMAGINARY LINE
BETWEEN YOU & OTHERS

ABOVE GROUND
LINES VS.

BELOW

IS YOUR SYSTEM
BEING TESTED?

MEASURABLE

- TECHNICAL RELEVANCE
- ESTABLISHED METRICS
- DECISION RELEVANT

HOW STRONG
ARE YOU TO COME BACK?

WHAT GAPS
DO YOU HAVE?

YES/NO - **IGNITIONS**, LINES FREE of
VEGETATIONS, EQUIP. AGE
TRAVEL MORE THAN ONE FOOT = STANDARD

WHAT IF WE HAD
A RUBIC TO USE?

2,000+

CURRENT WILDFIRE MEASURES

MILES OF LINES
TREATED

OR

ACHIEVABILITY

OR

COMMON DATA
WE COULD USE:
• COASTAL
• MOUNTAIN

CO-OP, GOVERNMENT, COMMERCIAL GROUPS

...BIG CHAOTIC FRUIT BASKET TO TRACK TODAY!



WHAT SHOES ARE
YOUR UTILITY
WEARING?
(EMPATHY)



FOREST



COASTAL/SAND

PUMP
THE
BRAKES!

WE NEED TO DEFINE
THE PROBLEM BEFORE
WE START EVALUATING

RISK & HAZARDS
ARE NOT THE SAME

ULTIMATE COST
IF WE DON'T DO IT!

1.5 MILES
OF GREENSPACE
NO ONE LIVES
NEARBY

YES, AND, MITIGATE
ONE & DROP RISKS

TRAINING
HOME BUILDERS TO
USE BETTER MATERIALS
COULD MEAN LESS PPE

80% OF LAND OWNERS
EAST OF
MISSISSIPPI
IS PRIVATE

WHO
PAYS?!

WHO
OWNS IT?

DIFFICULT

WHEN FOREST RANGERS
CANNOT BE FULLY
EMPOWERED TO ACT

FIND OUT

WHAT IS MOST CRITICAL
TO OUR PARTNERS IN
INDUSTRY FOR OPTIMAL
EFFECTIVENESS

WHAT
IF
HISTORY
IS BEING
WRITTEN ON
EAST COAST?

HOW DO WE ADDRESS
GAPS IN TRAINING?

WHERE DO WE WORK
CLOSELY WITH OUR
FIRST RESPONDERS

...MONEY, TIME,
INFORMATION

VEGETATION MANAGEMENT
= \$8,000,000,000
ANNUALLY IN NORTH AMERICA

NON-EVENT

CELEBRATIONS WHEN ALL
OUR PREVENTATION WORKS!

DATA INTEGRATION

TO ALLOW US TO MEASURE & DETERMINE
HOW THINGS ARE GOING

**PIEDMONT WILDFIRE-ENERGY
WORKSHOP** - CHARLOTTESVILLE, VIRGINIA

REDDALE
GRAPHIC RECORDER
WADE FORBES



1:00-2:15 PM

THURSDAY
AUG
13

2026

THIS TWO-HOUR TABLETOP IN A "NO-FAULT LEARNING ENVIRONMENT" AIMS TO IDENTIFY RESOURCES & CAPABILITIES, FACILITATE PRE-DISASTER RELATIONSHIP BUILDING AND FOSTER OPERATIONAL COORDINATION ACROSS PUBLIC AND PRIVATE ENTITIES.

DO NOT ARGUE
FIGHT THE EXERCISE

PROJECT ARMOR

FOCUS ON PARTNERING
BEGINNING WITH AN ASSESSMENT TO KNOW OUR CRITICAL ASSETS

GIVE ME YOUR BUSINESS CARD

NO FAULT
FICTIONAL SITE WAS SELECTED

VEGAS RULES
SO PLEASE SPEAK UP

SUMMER
BRANCH SYNDROME (SBS)

THE LAYERS ARE CHANGING VEGETATION

PLANTS NEED MORE

WATER TABLE DROPPING TOO

LESS SNOW MELT

SUN IS SHINING BRIGHTER, HOT DAYS TO HOT WEEKS, MORE SMOKE BECAUSE EVERYONE IS ON FIRE

EVEN SEEING WILDFIRE SMOKE IN U.S.

RUSSIA

ALASKA

VIRGINIA
HAS EXPERIENCED DROUGHT SINCE 2023

HIGHER

SEVERE DROUGHT

... KNOWING WHAT WE KNOW NOW, WE HAVE TO GET STARTED. USE WHAT WE'VE LEARNED FROM OTHER REGIONS AND BEGIN OUR OWN PLANNING.

SHOUT OUT TO:
STATE LOCAL TRIBAL AND TERRITORIAL
LEAD, MEGAN LEVY WHO COULD NOT JOIN US IN CHARLOTTESVILLE, VA.

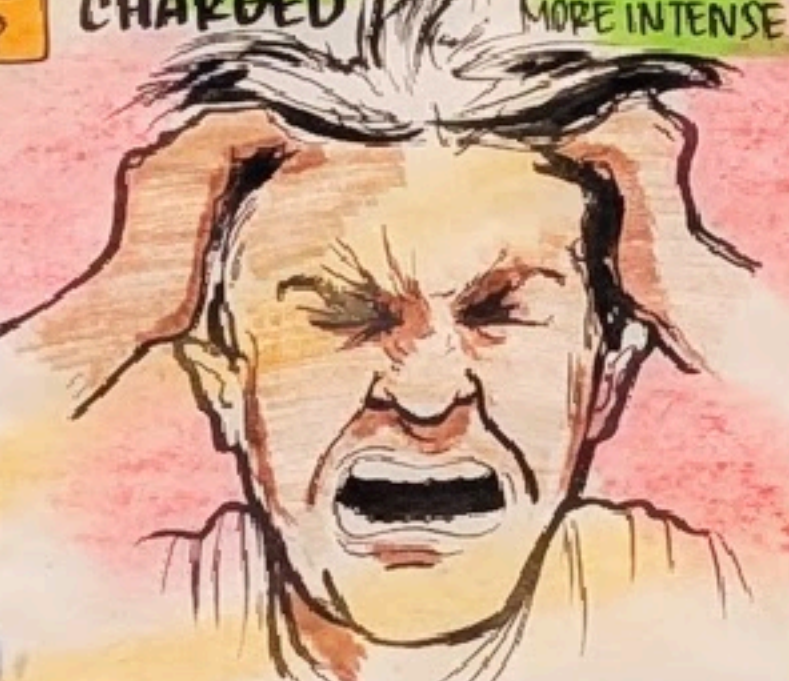
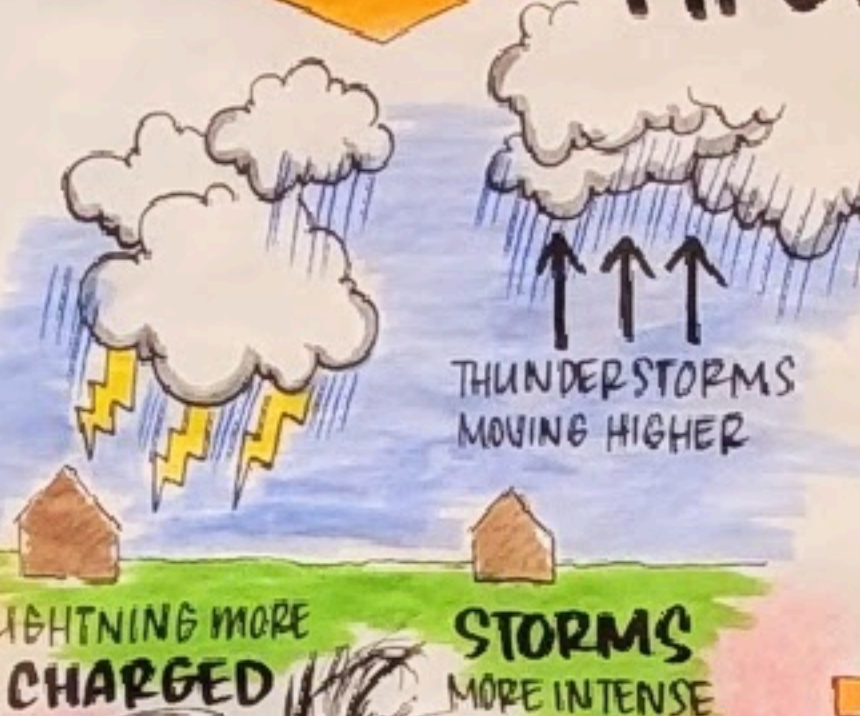
2:30-4:30PM

THURSDAY
AUG
13
2026

MISSION: FLARE

FIRE LOGISTICS, ASSESSMENTS, RESILIENCE AND ENERGY SYSTEMS

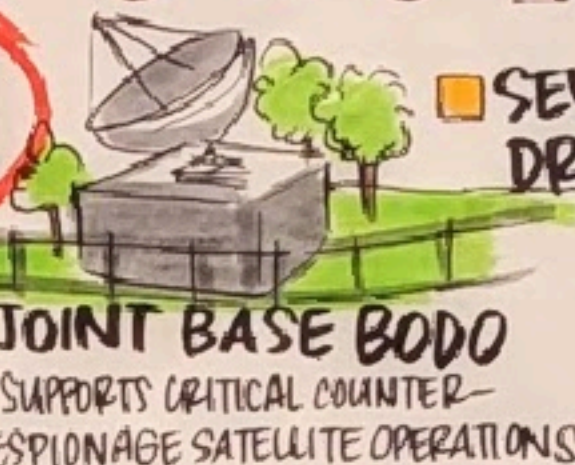
EVERYTHING INCREASING



...YOUR INPUTS WILL HELP

- MILITARY POLICY
- IDENTIFY CRITICAL INFRASTRUCTURE
- DECREASE WEATHER EMERGENCIES
- EXPAND YOUR NETWORK
- INFORM NEW MODELS

DAY, HOUR 1



SEVERE DROUGHT!



WITHIN HOURS, FIVE FIRES HAVE SPREAD WITH 35 MPH WINDS NOW SPREADING FIRE...



@ JOINT BASE BODO

- 8,000 MILITARY & CIVILIAN PERSONNEL
- 16,000 MILITARY FAMILIES LIVING THERE IN THE CHARLOTTESVILLE-AREA

... NOW, 15,000 ACRES BURNED AND DIRECTLY THREATENING ELECTRIC INFRASTRUCTURE

WHAT'S THE PLAN? ... GLAD YOU CALLED! WHO ELSE IS COMING?



SOCIAL MEDIA POSTS & POPULAR HIKING APP REVEAL PANIC OF LOVED ONES UNABLE TO COMMUNICATE WITH TRAPPED APPALACHIAN TRAIL HIKERS!

AVOID EMPTY SEATS @ YOUR EMERGENCY TABLES!

WHILE MITIGATIONS ARE WELL MAPPED OUT IN WEST, THE EAST IS AN AREA OF OPPORTUNITY...



72 HOURS HAVE PASSED AND 9,000 ACRES BURNED IN RUGGED, HARD TO REACH AREAS. HELICOPTERS ARE TAKING A LOOOOONG TIME TO RESPOND. WINDY CONDITIONS CONTINUE & SPREADS FIRE TOWARDS CHARLOTTESVILLE, VA NOW IMPACTING PERSONNEL WHO WORK @ JOINT BASE BODO AT DAY 5 OF BURNING.

SMOKE

CAUSING LINES TO BREAK, THREATENS TRANSMISSION LINES, FILTRATION @ SUBSTATIONS NOW STRAINED, LARGER HAIL IS FORMING, SOLAR PANELS UNABLE TO PERFORM IN SMOKE-FILLED SKIES.

ANYONE ELSE OUT THERE NOTICING HEIGHTENED FRUSTRATION & IRRITATION WHEN PEOPLE ARE TOO HOT, HAVE UNCERTAINTY, OR LOSE DAILY COMFORT ???

- LINEMAN BEING CONFRONTED
- ANIMALS MORE AGGRESSIVE
- NO LONGER ISOLATED FROM PROBLEMS REALLY FAR AWAY FROM YOU

TIME IS NOW TO MEET OTHERS WHO CAN HELP!

HOW WELL DID STATES WORK WITH INDUSTRY?

WHO COLLECTED NAMES OF KEY CONTACTS?

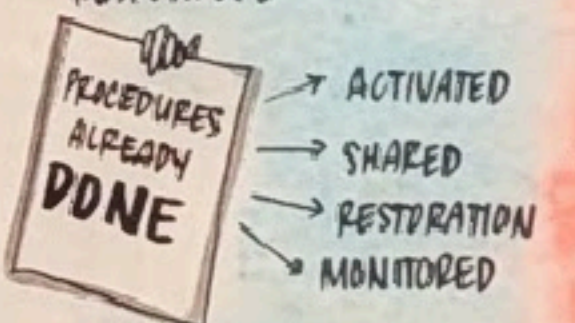
HOW DID WE COMMUNICATE TO 1ST RESPONDERS?

SO MANY QUESTIONS SHOULD HAVE BEEN ASKED AHEAD OF TIME...

- WHO WROTE & SHARED PLANS?
- HOW COULD WE HAVE COORDINATED?
- WHO SPEAKS WITH THE MILITARY @ OUR UTILITY?

GROUP 1

WE HAVE GOOD RELATIONSHIPS AND KNOW HOW TO GET INFO QUICKLY, UNIFIED COMMAND: DOWN STATE, INDUSTRY, EMER, RESPONDERS



- COMMUNICATE WITH PUBLIC SAFETY TOO
- PROTOCOL TO INFORM ALL IMPACTED CUSTOMERS
- LEVERAGE AVAILABLE COMMUNICATION PLATFORMS
- WHO DECIDES PRIORITY KNOWN IN ADVANCE? (KNOWN, AGREED ON)

GROUP 2

- DID WE PRACTICE?
- DID WE TABLETOP?
- KNOWN CONTACT LIST
- EST. INFO SHARING
- HOW DO YOU HANDLE SENSITIVE INFORMATION?

- HOW DID BLUE SKY TIME GET USED?
- LIST OF KEY LOCATIONS
- DO WE KNOW THE CHOKEPOINTS?

GROUP 3

- STEADY-STATE PLANS VS. EMERGENCY PLANS
- WHO OWNS PRIMARY POINT OF ORIGIN?
- WHO TALKS TO DOW?

- MEMBERS OF RESPONSE TEAM AND EFFORT
- STAND-UP JOINT INTEL CENTER



GROUP 4

CONTINUITY OF OPERATIONS PLAN (LOOP), AUTO REPLIES, REGULAR OUTREACH, SOP, ONBOARDING, ANNUAL TRAINING & CERTIFICATIONS



WHAT IS OUR BENCH LINE? CONTACTS BY PERSON OR BY THE POSITION? WHO IS MONITORING OUR SOCIAL MEDIA

GROUP 5

- HOW WELL HAVE WE DOCUMENTED OUR THRESHOLDS?
- DO WE HAVE BACK-UP GENERATORS?
- DO YOU HAVE ENOUGH FUEL? WHO DO YOU TELL?
- WHAT IS UPCOMING FORECAST ?!?
- WHICH INSTALLATION IS PRIORITIZED ACROSS COUNTY, HOSPITALS, MILITARY TO UNDERSTAND NEEDS
- HOW DO WE ENSURE NATIONAL SECURITY WHEN LIGHTS GO OUT ???

HERE HERE HERE
HERE HERE HERE
HERE HERE HERE
REDTALE GRAPHIC RECORDER WADE FORBES

BEGIN YOUR PLANNING → HERE HERE HERE