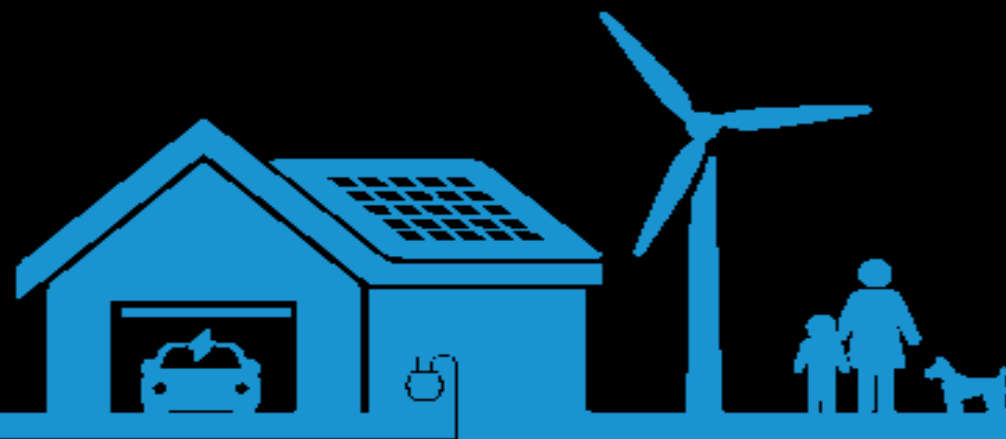


Lessons Learned in San Diego

Caroline Winn - Chief Operating Officer, SDG&E

March 20, 2019



Building the cleanest, safest, and most reliable energy company in America.

Lessons Learned in San Diego

Situational Awareness + Weather Technology

- Advanced situational awareness tools for modeling fire risk
 - Fire Potential Index
 - Santa Ana Wildfire Threat Index
 - Wildfire Risk Reduction Modeling
- One of the largest utility-owned weather network in the nation
- 100+ High resolution camera network

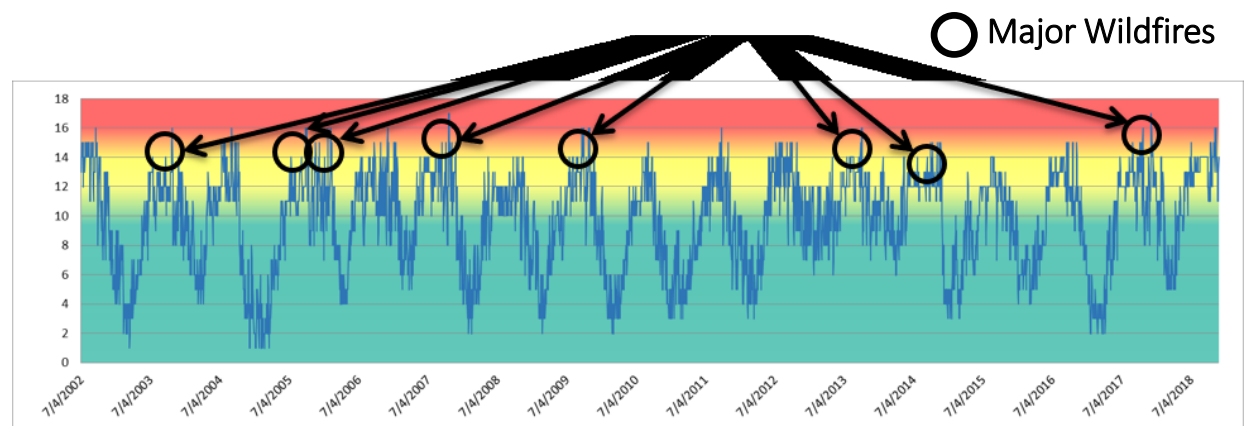
Lessons Learned

- Right people, priorities and culture
- Set high expectations, be aspirational, challenge people to think beyond
- Alignment is critical
- It's not going to be easy
- Focus on customers and communities
- Don't do it alone

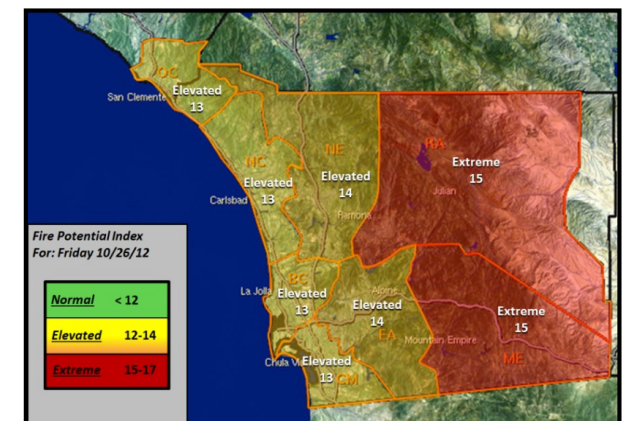
SDGE's Fire Potential Index Planning + Decision Support Tool to Reduce Wildfire Risk

	Thu 10/25	Fri 10/26	Sat 10/27	Sun 10/28	Mon 10/29	Tue 10/30	Wed 10/31	Thu 11/01
ME	Normal 11	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10
RA	Normal 11	Extreme 15	Elevated 13	Elevated 12	Normal 11	Normal 11	Normal 11	Normal 10
EA	Normal 10	Elevated 14	Elevated 12	Normal 11	Normal 11	Normal 10	Normal 10	Normal 10
NE	Normal 10	Elevated 14	Elevated 12	Normal 11	Normal 11	Normal 10	Normal 10	Normal 10
OC	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9
NC	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9
BC	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9
CM	Normal 10	Elevated 13	Normal 11	Normal 11	Normal 10	Normal 9	Normal 9	Normal 9

- Issued daily to inform operational decisions, work restrictions & resource allocation



- Shared broadly and relied upon by first responders throughout the region



SDG&E | Future Enhancements

- Strategic undergrounding
- Install falling conductor algorithm on overhead lines
- Redesign vegetation management program
- Accelerate system hardening in the High Fire Threat District
- Increase Situational Awareness
- Replication of programs in other key areas



California | Climate Change Risk Mitigation

- Enhance prevention and strong accountability
- Objective and Reasonable Standard for cost recovery

