



A  Sempra Energy utility®



## ***Fuels Management or Vegetation Management; reading between the lines***

*“How to safely manage this risk while continuing to keep the lights on?”*

# FSCA Fuel Management Program



***Fuels Management: the planned manipulation of the amount, composition, and structure of the biomass within wildland ecosystems for the purpose of modifying potential fire behavior and effects (NPS 2004).***



# FSCA Fuels Program – Current focus



*Focus is on the individual pole and conductor radius:*

- **Regulatory** — very specific rule & code requirements.
- **Land ownership** — utility corridors are typically ROW's with no land ownership.
- **Environmental** — NEPA & CEQA regulatory process presents challenges for fuels treatments.
- **Cost** — economic considerations require justification, investment, and validation.



# FSCA Fuels Program - Benefits

- **Ignition management**
  - stopping ignitions
  - slowing the spread
- **Infrastructure protection**
  - keep the power on
  - repair costs
  - system reliably
- **Property protection**
  - defensible space
  - Public safety





# FSCA Fuels Program – Goals & Strategy

Goal - Protect communities and electric infrastructure from wildland fire...



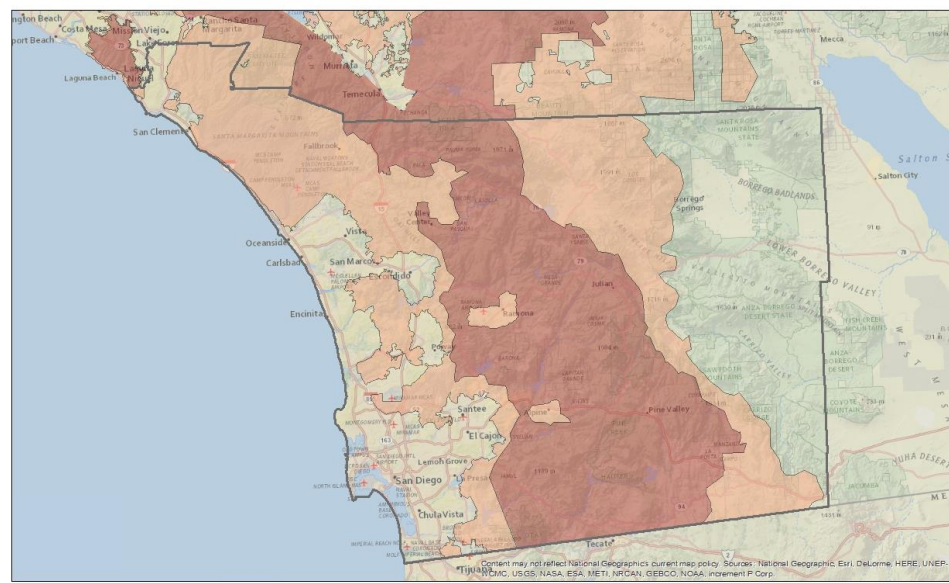
*Strategy – in partnership with communities, fire agencies, and other stakeholders, implement a range of fuels management practices to reduce wildland fuels in proximity to electric facilities and communities.*

# FSCA Fuels Program - Analysis

- High Fire Threat District
- PSPS Historical Events
- Circuit Risk Index
- Evacuation Route Corridors
- Historical Roadside Ignition
- Fire Spread Modeling
- Wildfire Mitigation Plan



- ▲ Campo Reservation (2010)
- ▲ Viejas Reservation (2019)
- ▲ Community Grants (2020)
- ▲ Fire Safe Council Grants (2021)
- ▲ SD County Fire (2021)
- ▲ Pala Reservation (2022)





# Fuels Management Program - Implementation

	acres	homes	miles	poles
2019	71	94	3.5	161
2020	673	653	19	264
2021	1045	214	6.5	261



## 2022 Projects

- Native American Reservations
- Fire Safe Council
- San Diego County Fire



# FSCA Fuels Program – Validation

- 2021 - Bambi fire / fuel break.
- 2021 - Dehesa fire / defensible space.



- 2019 - Wildcat Canyon fire / fire retardant.
- 2018 - Alpine fire / fuelbreak



# FSCA Fuels Program – Questions & Answers

- ▲ **Metrics** – what tells the story?
- ▲ **Quality vs. quantity** – what is important?
- ▲ **Validation** – where is the proof?
- ▲ **Prevention** – benchmarked.
- ▲ **Protection** – observation.
- ▲ **Partnerships** – working together to reduce risk.





Questions?