# DISCLAIMER

This publication contains information previously kept confidential by the FERC.

We do not endorse violence against the substations listed, and we do not take responsibility for the actions of anyone who recieves this publication.

This list is being published for educational and theoretical reasons only.

Enjoy.

-GARDEN

## Contents

# MISSION STATEMENT

Our mission is to organize coherent and direct action against the global techno-industrialist system. With this publication, we aim to disseminate ideas relevant to this cause in order to inspire others like us to stand in opposition to a force which we have judged to be ethically, philosophically, and practically irredeemable.

It is our view that the techno-industrialist machine is a violent, destructive, and irreparable system of subjugation, and because of this we do not support any social or political efforts to rehabilitate it. It is on these grounds that we repudiate reformist and environmentalist sentiments, which we believe serve only as distractions that do nothing to counter the true goal of techno-industrialism; that is, the total enslavement and annihilation of Wild Nature.

More pressing still, it is our belief that the techno-industrial system presents an absolute and urgent existential threat to all life on earth. Thus, we are not a partisan movement, nor do we have any interest in furthering the ideologies of any movement on the left-right political spectrum. We reject the call to engage with issues such as social justice, feminism, anti-racism. If you believe these issues are the most pressing issues facing society today, stay away.

We vehemently oppost racism, nationalism, ethno-

nationalism, any form of fascism or defense of the rule of law. It is our opinion that the pursuit of any one of these values will be meaningless on a dead planet. If you identify with any of these viewpoints, stay away.

Finally, we do not advocate that anyone consider this publication an exhortation for violent or illegal action of any kind. We denounce violence as a matter of pragmatism, not a matter of principle. It would be anathema to a nascent anti-tech organization to openly incite violence, which would prompt law enforcement to hinder our ability to spread our message. We hope only to exercise our right to freedom of speech in order to present our personal views authentically and honestly.

Always for Wild Nature,
Garden

# 1

# THE BEST LACK ALL CONVICTION

*THE BEST LACK ALL CONVICTION*

*Turning and turning in the widening gyre*

*The falcon cannot hear the falconer;*

*Things fall apart; the centre cannot hold;*

*Mere anarchy is loosed upon the world,*

*The blood-dimmed tide is loosed, and everywhere*

*The ceremony of innocence is drowned;*

*The best lack all conviction, while the worst*

*Are full of passionate intensity.*

*Surely some revelation is at hand;*

*Surely the Second Coming is at hand.*

*The Second Coming! Hardly are those words out*

*When a vast image out of Spiritus Mundi*

*Troubles my sight: somewhere in sands of the desert*

*A shape with lion body and the head of a man,*

*A gaze blank and pitiless as the sun,*

*Is moving its slow thighs, while all about it*

*Reel shadows of the indignant desert birds.*

*The darkness drops again; but now I know*

*That twenty centuries of stony sleep*

*Were vexed to nightmare by a rocking cradle,*

*And what rough beast, its hour come round at last,*

*Slouches towards Bethlehem to be born?*

*–W.B. Yeats, "The Second Coming"*

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At the end of this issue, readers will find a list of the most critical electric substations in the United States. This information has been obtained through legal means available to anyone with an internet connection and enough time on their hands to assemble the pieces. The tools we used to do so will be provided at the end of the list, for anyone who may wish to verify or cross-reference this information. In fact, we encourage it.

We are confident that this list is accurate and reliable. We believe that if these substations were to be damaged, and those damages resulted in the destruction of all high-voltage transformers present, most, if not all of the country would be plunged into a chaotic blackout lasting no fewer than twelve months. We believe this would be the beginning of a real anti-tech revolution. We believe that this revolution is possible. We believe it is necessary. We believe that it is in fact the only struggle that matters.

We do not, however, believe this can or should be done tomorrow. *WE DO NOT ADVOCATE FOR THE USE OF VIOLENCE AGAINST THESE SUBSTATIONS.*

Here, we will endeavor to make ourselves abundantly clear.

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## WHY YOU SHOULDN'T TAKE ACTION AGAINST THE SUBSTATIONS

In April 2013, a still-unidentified group of brave and determined individuals managed to infiltrate a crucial substation belonging to Pacific Gas and Electric (PG&E) located in California. The attack took place in the middle of the night, when the group entered an underground

vault at PG&E's Metcalf substation and proceeded to cut fiber cables. Following this, the group began firing on the substation for a total of twenty minutes, during which time they succeeded in taking out seventeen transformers vanishing long before police arrived. For a more thorough analysis of their methods and tools, please read the article following this one entitled, "WHAT HAPPENED AT METCALF".

While the attack did not succeed in causing a blackout, it did constitute the "most significant incident of domestic terrorism involving the grid that has ever occurred" in the United States, according to former Federal Energy Regulatory (FERC) Commissioner Jon Wellinghoff.

This group had discipline and planned excessively. They likely had a police scanner radio. They cut the fiber optic cables first in order to prevent the station from communicating or alerting the power company. This means they had inside information, and it is almost certain that one of their members worked for the power company, or had an electrical engineering background. They had armament, ammunition, firearms training. They made no noise leading up to the event. No evidence has ever been found. No manifesto. Law enforcement and government officials were unable to infiltrate this group, meaning they likely did not pass substantive communications over the Internet.

The Metcalf team knew what they were doing.
They did it exceptionally well - and they still failed.

For all their preparation, diligence, determination, and intelligence, they did not succeed in causing even a local blackout in Silicon Valley. Instead, their actions called nationwide attention to the country's feeble electrical infrastructure. Committees were formed. Laws were passed. Security measures put in place. The system recognized a threat and took steps to strengthen itself.

We believe that a revolution is possible. We put this list together and this information out into the world because we believe this.

It is not impossible to bring down the system, but it will be staggeringly difficult. There is not a single organization– let alone the network of organizations in existence today- that would be able to cause even a single blackout.

The event would need to be carried out with high precision; if not all at once, then within the span of a few days. Fast enough that law enforcement and the military would have to spread themselves thin while attempting to mitigate the chaos from the first few blackouts–too thin to be effective at interrupting those that would follow. This would require robust, secure, encrypted radio communications networks, almost zero Internet presence, training, discipline, courage, an enormous amount of time, money, and resources, and an unwavering determination to do something that will inevitably lead to the deaths and suffering of many thousands.

Failure would result in the system strengthening itself. More laws would be passed. More security measures put in place. More high-tech solutions churned out of laboratories and factories to "solve" our "energy crisis". Those responsible, if caught, would spend the rest of their lives in prison. The revolution would be stifled for another generation or more, and all the work done and progress made for its fruition would have been for worse than nothing. Failure simply isn't an option. At current, failure is the only potential outcome. We simply are not remotely prepared.

Success, however, is equally frightening. The horrific effects of a nationwide blackout cannot be understated.

Hospitals would fail. Those dependent on life-support systems would be in immediate peril; infants in intensive care, elderly patients, cancer patients, critically wounded patients - thousands die almost instantly. Those reliant on medical infrastructure to survive–diabetics, cancer patients, etc,--would die soon after in wave after wave of tragedy.

Financial collapse. Complete and utter. Every dollar not held in hand is erased. Life savings eradicated. Millions thrust into poverty, unable to feed themselves or find shelter.

In the chaos, the police and military would likely attempt to control the situation. It is unlikely they would be able to, but their interference would result in state-issued deaths on a massive scale.

Refineries, chemical plants, and missile silos all present clear and immediate threats to the environment in the wake of grid collapse. The effects would take years to heal.

Sewer systems, traffic lights, running water. All gone. The ability to find or purify clean drinking water would be stripped of all but the most well-prepared. Disease would spread.

Industrial agriculture–upon which we all dementedly rely–would grind to a halt. No transportation of goods. No communication or movement between growers, transporters, and vendors. Starvation, looting, riots, and the rise of local authoritarian centers of power are all inevitable. This is to say nothing of the countless animals that will suffer and die. Dairy cows, whose bodies have been genetically altered so as to produce twenty-eight times the amount of milk that could ever be consumed by their young, are reliant on machines

that pump the milk (and blood and pus) into American refrigerators. Without those machines, the cows will become swollen, infected, and die. This is just one example, of course, provided simply to emphasize the innumerable unimagined ways in which the collapse of the system would result in chaos, agony, and death.

There is no scenario where the death toll–for humankind and animals alike–is not in the millions. It would be the single most devastating human-caused loss-of-life event. That cannot and must not be taken lightly.

Of course, while we believe that a world in which freedom from technological slavery is possible, is *well worth the cost,* we do not believe there is an organization that could reasonably be expected to exact even a penny of that cost today or in the near future.

The same network that would prepare to bring about chaos and destruction must also be prepared to organize and defend their local communities. They must also be willing and prepared to lead an anti-tech revolution. They must have understood and implemented the principles and tactics in *Anti-Tech Revolution: Why and How* by Ted Kaczynski, including the development and proliferation of a revolutionary myth, a foundational belief system upon which the common people can build and which communicates clearly an understanding of the world and a new relationship with it. There will be much resistance, and the ability to organize, lead, and inspire people will be the most important quality of an anti-tech organization.

If what you are reading here is that an anti-tech revolution, beginning with the annihilation of the U.S. energy grid, is impossible without the proper development and maintenance of such a network of organizations, then you are reading this essay correctly.

This is a call to action. Just not the action you may have expected.

If we organize now, if we really organize, if we establish this network and help it grow, if we do everything absolutely right, then the revolution is possible. But even then, it will be difficult. Stupendously so.

But it is worth doing. It will always be worth doing.

We put this list out into the world to prove that the system is not invincible. We put this list out into the world so that whatever form these organizations take in the future, however the network of anti-tech revolutionaries establishes itself, at least some of the work has been done.

And there is so much work to be done.

1. GET ORGANIZED. FORM SMALL, RELIABLE GROUPS OF PEOPLE YOU CAN TRUST LOCALLY.

2. ESTABLISH METHODS OF COMMUNCATION THAT ARE NOT RELIANT ON THE INTERNET AND ARE IMPERVIOUS TO SURVEILLANCE. LOOK INTO RADIO TECHNOLOGY.

3. FIND OTHER GROUPS. NETWORK, COMMUNICATE REGULARLY AND INTELLIGENTLY.

4. INVEST IN THE PROPER EQUIPMENT.

5. TRAIN.

In the following article, we take a look at how a highly organized and efficient group managed to almost cause a blackout in Silicon Valley.

Again. They failed. Though their deed was honorable, and we believe, justified, we must emphasize again that our publishing this information does not mean we are advocating violence agains these or any other substations. To do so now would result only in failure, complete and utter.

If you stand with the anti-tech cause and truly believe in freedom from technological slavery, then you understand that this is not an option.

So we say it again: ***DO NOT ATTEMPT TO SABOTAGE ANY OF THESE SUBSTATIONS!***

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# AN ANALYSIS OF THE METCALF SUBSTATION ATTACK

# *AN ANALYSIS OF THE ATTACK ON THE METCALF SUBSTATION ON APRIL 16TH, 2013*

*Breaking down the timeline, methodology, investigation, and damage done*

# LOCATION/DATE:

- The Metcalf Substation is located outside of San Jose, CA in the small, unincorporated community of Coyote. Surrounded by little more than a chain link fence and accessible from only two roads--Monterey Highway and Metcalf Rd.--which intersect in front of the substation. The location is owned and operated by Pacific Gas and Electric (PG&E). This station provides a lot of energy to the Silicon Valley region.
- The attack occurred on April 16th, 2013, one day after the Boston Marathon Bombing. There is no evidence that these events are related, but it does seem the team may have been waiting for a sufficient media distraction, and they were able to mobilize within a day of the bombing.

# TIMELINE:

- 12:58am--fiber optic telecommunications cables are cut in an underground vault near the substation, not too far from US Route 101, just outside San Jose along Monterey Highway annd Coyote Ranch Rd. This act eliminates not only some landline and cell phone service in the area, but also shuts down the region's 911 emergency line system. HEAVY WIRE CUTTERS are used, making it harder to repair later on.
- 1:07am--additional cables used by Level 3 communications are cut in another vault near the Metcalf substation, causing customers in the area to lose internet service. To access both of these underground vaults, the culprits have to remove two manhole covers. It is speculated at least two people are involved in this part of the attack.
- 1:31am--surveillance cameras near Metcalf Substation record streaks of light, which investigators believe is a flashlight pointing out specific targets. The cameras are aimed inward, however, so no individuals are visible on the footage. Over the next few minutes, several sparks and flashes from gunfire are visible in the footage. The attack has commenced in earnest.
- The gunmen shoot at the transformer for 19 minutes, firing off more than 120 rounds of ammunition. Many shots missed their targets, but as

many did not, hitting specific locations in the transformer banks, destroying at least 10 transformers in one area and three in another. By the end of the attack, 17 transformers have been destroyed.

- 1:37am--PG&E receives alarms from motion sensors along the fence.
- 1:41am--Santa Clara County Sheriff's Dept receives a 911 call from an employee at the Metcalf Energy Power Plant, just down the road from the substation. This employee still had cell service, meaning the initial fiber optic cables cut were not sufficiently enough to eliminate service entirely. The employee reports gunshots.
- 1:45am--Metcalf Substation transformers begin to overheat. After being riddled with bullet holes, the transformers are leaking approximately 52,000 gallons of cooling oil. This triggers a series of alarms at a PG&E control center 90 miles north. As a result, PG&E is able to divert power through other substations and prevent major blackouts.
- 1:50am--another streak of light, consistent with a flashlight being waved, is visible on security footage. This seems to mark the end of the attack. From this point on, no more gunshots are fired.
- 1:51am--less than a minute after the attack ends, police officers arrive. The officers find the gates to the location still locked.
- 3:15am--a utility technician with PG&E arrives at the substation to survey the damage.

# INVESTIGATION

- Investigators discovered over 100 shell castings, belonging to a 7.62x39mm weapon - likely to be an SKS or AK variant
- No fingerprints were found on any of the shell casings or rounds. No bootprints or ire tracks from a potential getaway vehicle were found. Investigators were unable to find any evidence of the gunmen arriving or leaving in the video footage.
- Investigators believed at least 2 weapons had been fired, with as many as 4 being used during the shooting.
- The gunshots were targeted at the coolant fins on the transformers, which caused the cooling oil to leak, overheating the transformers.
- This caused irreparable harm to the transformers and attracted less attention as the coolant fins quietly leaked. If the gunmen had targeted different sections of the transformers, the damage could have resulted in extensive fire or explosions.
- The gunmen seemed proficient in shooting as they had been shooting from approximately 25 meters away.
- Small piles of rocks were discovered in the area, indicating the gunmen had visited the location beforehand to mark their shooting locations.
- It was also believed they used night-vision goggles
- The cutting of the fiber optic cables indicated that the

gunmen had knowledge of the Metcalf Substation's systematic layout, which relied upon SCADA systems (Supervisory Control & Data Acquisition) not cellular networks, as others do. The attackers were able to eliminate any early warning systems that would alarm the PG&E control centers of the transformer failures.

# DAMAGE

- The damage to the substation took 27 days to repair and cost $15.4 Million. It caused a fluctuating level of power available to residents in the local area (not only southern San Jose, but throughout Gilroy and Morgan Hill as well). In the substation's 500kV yard, 10 transformers were damaged; In the 230kV yard, 7 transformers were damaged; In the 115kV yard, 6 circuit breakers were damaged. It was also claimed that a total of 52,000 gallons of mineral oil (used for cooling) leaked as a result of the bullet strikes.
- The damage to the fiber-optic telecommunications infrastructure was repaired within 24 hours. AT&T had six cables cut and needed to install new cables to work around the affected area. LEVEL 3 Communications had one cable

cut, which was repaired within 10 hours.

- The attack did not disrupt much of the power grid since officials were able to reroute power around the Metcalf substation, and not only increase power plant production around Silicon Valley but asked residents to decrease their energy usage until midnight to help offset this destruction of property.
- *If this attack was carried out in the middle of winter or summer it could have resulted in blackouts throughout the San Jose area.*
- John Wellinghoof, the ten-chairman of Federal Energy Regulatory Commission (FERC) believed that a widespread replication of the attack could black out much of the country and potentially take down the U.S. electric grid. He also believed that America was woefully unprepared to deal with physical attacks entirely, having spent the past few years adapting to the emerging threat of cyberattacks, but ignoring the physical vulnerabilities of the power grid.

# OTHER ATTACK

● On August 27, 2014, sometime in the middle of the night, the Metcalf substation was attacked again. An unknown number of individuals cut through the fences and ransacked the offices on the site, stealing items, paperwork, and files pertaining to the substation maintenance. This included a copy of the plans to improve and prevent a similar disaster as the 2013 attack from occurring. These copies were never recovered . The newly installed alarm system failed to go off during the 2014 attack or alert the authorities. No camera footage was captured of the intruders.

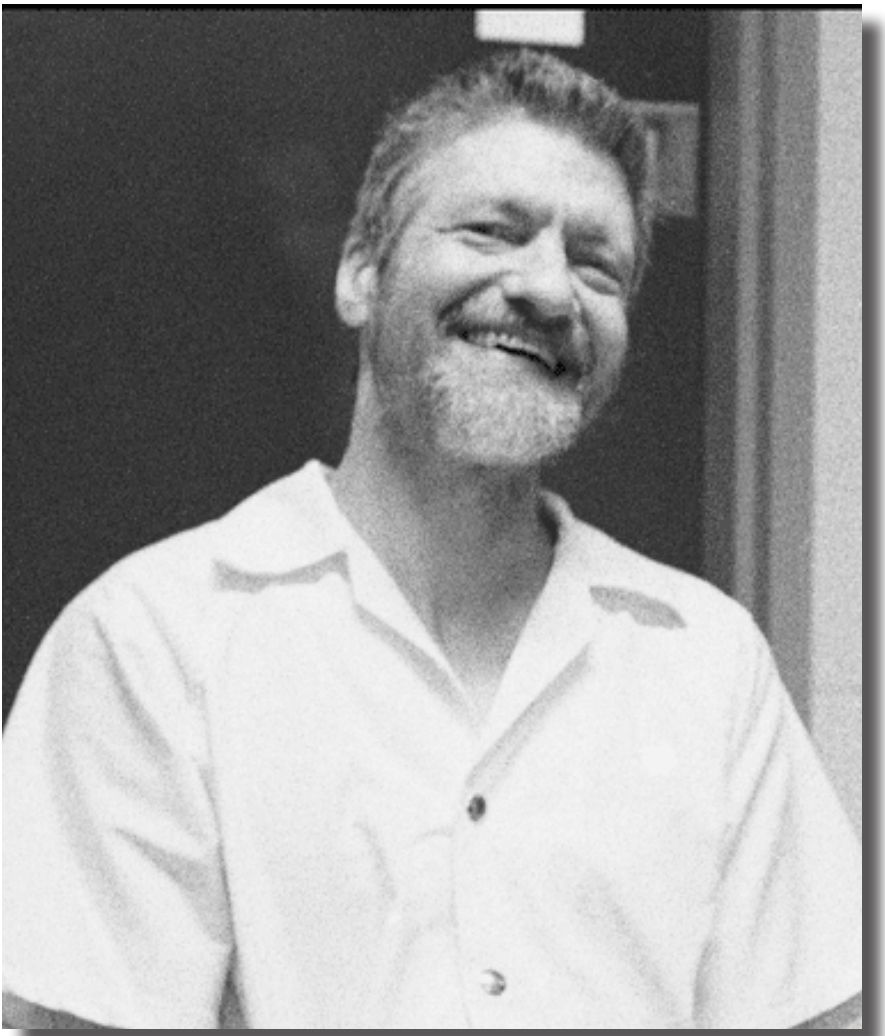
# A Song for the End of the World
# by Czislaw Milosz

*On the day the world ends*
*A bee circles a clover,*
*A fisherman mends a glimmering net.*
*Happy porpoises jump in the sea,*
*By the rainspout young sparrows are playing*
*And the snake is gold-skinned as it should always be.*

*On the day the world ends*
*Women walk through the fields under their umbrellas,*
*A drunkard grows sleepy at the edge of a lawn,*
*Vegetable peddlers shout in the street*
*And a yellow-sailed boat comes nearer the island,*
*The voice of a violin lasts in the air*
*And leads into a starry night.*

*And those who expected lightning and thunder*
*Are disappointed.*
*And those who expected signs and archangels' trumps*
*Do not believe it is happening now.*
*As long as the sun and the moon are above,*
*As long as the bumblebee visits a rose,*
*As long as rosy infants are born*
*No one believes it is happening now.*

*Only a white-haired old man, who would be a prophet*
*Yet is not a prophet, for he's much too busy,*
*Repeats while he binds his tomatoes:*
*There will be no other end of the world,*
*There will be no other end of the world.*



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# THE MOST CRITICALLY IMPORTANT ELECTRIC SUBSTATIONS IN THE UNITED STATES

# 765kV SUBSTATIONS

*"**THE FIFTEEN**"*

These substations, largely focused in the Midwest, Virginia, and Pennsylvania, conduct enormous amounts of electricity between the Great Lakes and the Eastern Seaboard. These are the lynchpins of the Eastern Interconnection - the "Fifteen" that the FERC mentioned in its report, but insisted on keeping confidential.

In fact, one of these, the ***AEP DUMONT SUBSTATION in North Liberty, IN***, is the largest substation in the U.S. Its failure alone would blackout most metropolitan and suburban regions in a huge swath of land from Chicago, IL to Richmond, VA.

PLEASE NOTE! Not all substations have addresses. For those, the city and zip code are given. This is sufficient information to locate them.

# THE FIFTEEN

1. Cook Substation--1 Cook Pl, Stevensville, MI 49127
2. AEP Dumont Substation--LARGEST IN U.S.--25000 Block of Quinn Rd, North Liberty, IN, 46554
3. COMED Wilton Center Substation--Manhattan, IL 60442
4. COMED Plano Substation--Yorkville IL, 60545
5. AEP Jefferson Substation--511 Holcroft Rd, Madison IN 47250
6. AEP Hanging Rock Substation--Ironton, OH 45638
7. AEP Baker Substation--Catlettsburg, KY 41129
8. AEP Broadford Substation--Saltville, VA 24370
9. AEP Jackson's Ferry Substation--Max Meadows, VA 24360
10. Axton Substation--2029 Axton Rd, Axton, VA, 24054
11. AEP Cloverdale Substation--1978 Lee Hwy, Cloverdale, VA 24077
12. AEP Joshua Falls Substation--Lynchburg, VA 24504
13. Hosensack Substation--Zionsville, PA 18092
14. Alburtis Substation--Macungie, PA 18062
15. Sequoyah Substations (1+2)--2440 Igou Ferry Rd., Soddy Daisy, TN 37379

# WESTERN INTERCONNECTION

***"THE PATHS"***

The Western Interconnection is powered by a thread of corridors called "Paths", which direct energy from BC, Canada all the way down to Los Angeles.

Consisting of 17 substations, approximately six of them are--according to our research--critical.

We have listed all of the crucial substations in the Paths.

PATH 15:

1. Los Banos Substation--16182 Jasper Sears Rd, Gustine, CA 95322

2. Gates Substation--Coalinga, CA 93210

3. Midway Substation--2205 Wasco Way, Buttonwillow, CA 93206

PATH 27:

1. Victorville Substation--Rancho Rd. and Powerline Rd., Victorville, CA 92394

2. McCullough Substation--Boulder City, NV 89005

3. Mead Substation--El Dorado Valley of Nevada just outside of Boulder City, at the end of Buchanan Boulevard south of its grade separation with Interstate 11.

PATH 46:

1. Imperial Valley Substation--Ocotillo, CA 92259

2. Palo Verde Substation--corner of Baseline Rd./ S Palo Verde Rd, Palo Verde, AZ 85343

3. Lugo Substation--Hesperia, CA 92344 [HAS HELIPORT]

4. Marketplace Substation--Boulder City, NV 89005

PATH 65:

The Pacific DC Intertie (also called Path 65) is an electric power transmission line that transmits electricity from the Pacific Northwest to the Los Angeles area using high voltage direct current (HVDC). The line capacity is 3,100 megawatts, which is enough to serve two to three million Los Angeles households and represents almost half of the Los Angeles Department of Water and Power (LADWP) electrical system's peak capacity.\

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1. Celilo Convertor Station--the northern terminus of the Pacific DC Intertie, near The Dalles, Oregon, in the United States.

2. Sylmar Convertor Station--the southern converter station of the Pacific DC Intertie, an electric power transmission line which transmits electricity from the Celilo Converter Station outside The Dalles, Oregon to Sylmar, a neighborhood in the northeastern San Fernando Valley region of Los Angeles, California. The station converts the 500 kV direct current coming from the northern converter station Celilo to alternating current at 60 Hz and 230 kV synchronized with the Los Angeles power grid.

PATH 66:

California Oregon Intertie (COI), identified as Path 66 by Western Electricity Coordinating Council (WECC), is a corridor of three roughly parallel 500 kV alternating current power lines connecting the electric grids of Oregon and California.

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1. Captain Jack Substation--Klamath Falls, OR 97603

2. Olinda Substation--2051 Brookdale Ave La Habra CA, 90631

3. Malin Substation--Klamath Falls, OR 97603

4. Round Mountain Substation--29901 Highway 299 East, Round Mountain CA, 96084

# THE NINE

Based on our research, we believe the following nine substations to be the most likely candidates for "THE NINE" most critical mentioned in the FERC's report. They are listed below, along with their coordinates.

1. Dumont Substation (41.523479, -86.360451)
2. Sequoyah Substation (35.227060, -85.094198)
3. Captain Jack Substation (42.080034, -121.390400)
4. McCullough Substation (41.116477, -122.43174)
5. Mead Substation (35.927807, -114.834742)
6. Marketplace Substation (35.819235, -115.011322)
7. Wylie Ridge Substation (40.454274, -80.570078)
8. Fort Smith Substation (35.300004, -94.430405)
9. Los Banos Substation (37.053064, -121.021699)

**we will be free.**

**we will find peace.**

**we will have our revenge.**