POWER OUTAGE REPORTER

January 2018

OVERVIEW

Power disruptions can occur anywhere, for a variety of reasons.

Listed here are some of the recent disruptions.

Remember, though most of the publicly reported events tend to happen outside of an organization's facility, there are many unreported problems happening every day inside a building.

Vertiv[™] designs, builds and services critical infrastructure that enables vital applications for data centers, communication networks and commercial and industrial facilities. Vertiv supports critical IT computing from the core to the network edge with a portfolio of power, thermal and infrastructure management solutions including the Chloride®, Liebert®, NetSure™ and *Trellis*™ brands.

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Want to know more about the cost of downtime? <u>Read this paper from the</u> <u>Ponemon Institute</u>



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| DATE | AREA | IMPACT | REASON |
|--|--|------------------------------------|---|
| 1/1/2018 | New York, NY | Amtrak Train Service | Not reported |
| 1/1/2018 | Plaquemines, LA | 3,500 | Not reported |
| /1/2018 | Tulsa, OK | 2,900 | Substation failure |
| /1/2018 | Exeter, PA | 780 | Auto accident |
| /1/2018 | Newton Cty, MS | 255 | Not reported |
| /2/2018 | Popular Bluffs, MO | City-wide | Planned |
| /2/2018 | Shasta Cty, CA | 27,000 | Squirrel |
| | | | Weather |
| /2/2018 | Orange Beach, AL | 1,300 | Unknown |
| /3/2018 | Western ME | 10,000 | |
| /3/2018 | Corpus Christi, TX | 8,000 | Weather |
| 1/3/2018 | Anderson Cty, KY | 4,000 | Substation failure |
| 1/4/2018 | Sikeston, MO | Local | Auto accident |
| 1/4/2018 | <u>Kenosha, WI</u> | 19,000 | Substation failure |
| 1/4/2018 | Rhode Island | 1,000 | Weather |
| 1/4/2018 | <u>Massachusetts</u> | 17,000 | Weather |
| /5/2018 | Tracy's Landing, MD | School closing | Equipment failure |
| 1/5/2018 | Albany, NY | Ski resorts | Weather |
| /6/2018 | <u>Olney, TX</u> | District-wide | Planned |
| 1/7/2018 | Berkeley, CA | 2,000 | Not reported |
| 1/8/2018 | Palo Alto, CA | 1,700 | Unknown |
| 1/8/2018 | Arlington, VA | 780 | Weather |
| 1/8/2018 | Lexington, KY | 2,179 | Unknown |
| 1/8/2018 | Horry Cty, SC | 2,600 | Equipment failure |
| 1/9/2018 | Pleasanton, CA | 500 | Underground cable |
| 1/9/2018 | Raleigh, NC | Local | Transformer |
| 1/9/2018 | University of Utah | Buildings closed | Burst pipe |
| 1/9/2018 | Denver, CO | Local | Auto accident |
| | | CES Trade show | Transformer |
| 1/10/2018 | Las Vegas, NV | | |
| 1/10/2018 | Kenosha, WI | 5,000 | Utility fire |
| 1/10/2018 | Watchung, NJ | Local | Unknown |
| 1/10/2018 | <u>Palo Alto, CA</u> | 2,400 | Equipment failure |
| 1/11/2018 | <u>Sun Prairie, MT</u> | District-wide | Planned |
| 1/12/2018 | Butte, MT | Local | Moving house |
| 1/12/2018 | <u>Flint, MI</u> | 20,000 | Testing failure |
| 1/12/2018 | Shady Side, MD | School closing | Not reported |
| 1/12/2018 | Sussex Cty, NJ | 5,500 | Substation failure |
| 1/12/2018 | New England | 17,000 | Weather |
| 1/12/2018 | Washington DC | 1,000 | Weather |
| 1/12/2018 | York, PA | 3,500 | Utility fire |
| 1/12/2018 | Tewksbury, MA | 300 | Down line |
| 1/14/2018 | Estill Cty, KY | 1.000 | Auto accident |
| 1/14/2018 | Phoenix, AZ | 4,000 | Utility failure |
| 1/15/2018 | Durango, CO | 840 | Auto accident |
| 1/15/2018 | Peroria, IL | 1,000 | Not reported |
| 1/15/2018 | Alton, IL | 5,200 | Unknown |
| 1/15/2018 | Arlington, VA | Local | Auto accident |
| | | | |
| 1/15/2018 | St Joseph, MO | 80 | Auto accident |
| 1/15/2018 | Greene Cty, IN | Local | Auto accident |
| 1/15/2018 | Thomasboro, IL | 343 | Damaged pole |
| 1/15/2018 | Norfolk, VA | 8,000 | Equipment failure |
| 1/17/2018 | Charlotte, NC | 36,500 | Weather |
| 1/17/2018 | Little Rock, AR | 7,000 | Weather |
| 1/17/2018 | Lebanon, PA | 100 | Auto accident |
| | Shreveport, LA | 8,734 | Weather |
| 1/17/2018 | | 12,280 | Weather |
| 1/17/2018 1/17/2018 | New Orleans, LA | 12,200 | |
| | <u>New Orleans, LA</u> <u>Ashville, AL</u> | 1,700 | Weather |
| 1/17/2018 1/17/2018 | | | |
| 1/17/2018 | <u>Ashville, AL</u> <u>Grant, NE</u> | 1,700 | Weather |
| 1/17/2018 1/17/2018 1/17/2018 1/17/2018 | <u>Ashville, AL</u> <u>Grant, NE</u> Branson, MO | 1,700 700 7,000 | Weather Accident/Substation Weather |
| 1/17/2018 1/17/2018 1/17/2018 1/17/2018 1/17/2018 1/18/2018 | Ashville, AL Grant, NE Branson, MO Texas City, TX | 1,700 700 7,000 City-wide | Weather Accident/Substation Weather Not reported |
| 1/17/2018 1/17/2018 1/17/2018 | <u>Ashville, AL</u> <u>Grant, NE</u> Branson, MO | 1,700 700 7,000 | Weather Accident/Substation Weather |

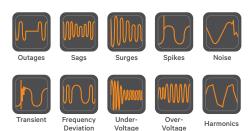




| 1/19/2018 | Lee Cty, FL | 2,000+ | Demand |
|-----------|-----------------------|-----------------|-----------------------|
| 1/19/2018 | <u>Grantville, GA</u> | City-wide | Transmission line |
| 1/21/2018 | West/Central IA | 10,000 | Unknown |
| 1/21/2018 | Huntington, AR | 2,000 | Weather |
| 1/21/2018 | <u>Ft Smith, AR</u> | 1,200 | Weather |
| 1/22/2018 | Festus, MO | 600 | Not reported |
| 1/22/2018 | Northwest IN | District-wide | Weather |
| 1/22/2018 | North Platte, NE | 500 | Weather |
| 1/22/2018 | Cumming Cty, NE | District-wide | Weather |
| 1/22/2018 | <u>Santa Rosa, CA</u> | 728 | Auto accident |
| 1/22/2018 | <u>Oshkosh, WI</u> | 30 | Auto accident |
| 1/22/2018 | Bristol, VA | 1,600 | Down line |
| 1/22/2018 | Richmond, VA | 250 | Pole fire |
| 1/22/2018 | Southwest IA | 5,400 | Unknown |
| 1/22/2018 | Dodge, NE | 8,000 | Weather |
| 1/23/2018 | Chipley, FL | 2,700 | Planned |
| 1/23/2018 | <u>Cleveland, OH</u> | 2,000 | Not reported |
| 1/23/2018 | Schenectady, NY | 5,678 | Not reported |
| 1/23/2018 | Pittsburgh, PA | Comm college | Unknown |
| 1/23/2018 | Hilliard, OH | School district | Not reported |
| 1/23/2018 | Cincinnati, OH | 4,000 | Weather |
| 1/23/2018 | Manchester, NH | 30,000 | Weather/Ice |
| 1/23/2018 | Otsego Cty, MI | 1,266 | Weather/Ice |
| 1/23/2018 | Danvers, MA | Part of city | Transformer |
| 1/23/2018 | Central ME | 10,000 | Weather/Ice |
| 1/24/2018 | Wheeling, WV | Local | Auto accident |
| 1/24/2018 | Botetourt, VA | 1,700 | Line trouble |
| 1/24/2018 | Sauk City, WI | 400 | Squirrel |
| 1/24/2018 | Tucson, AZ | 6,000 | Unknown |
| 1/24/2018 | North Caldwell, NJ | Local | Down line |
| 1/25/2018 | Rexburg, ID | 5,000 | Substation failure |
| 1/25/2018 | Vancouver, WA | 58 | Auto accident |
| 1/25/2018 | Gettysburg, PA | 2,000 | Tree on line |
| 1/25/2018 | Twentynine Palms, CA | 579 | Transformer |
| 1/26/2018 | Marion, IA | 2,000 | Not reported |
| 1/26/2018 | Santa Clara, CA | 1,685 | Not reported |
| 1/26/2018 | Berkeley, CA | 17,800 | Unknown |
| 1/26/2018 | Kansas City, MO | 1,000 | Not reported |
| 1/26/2018 | Russell, CO | Area-wide | Auto accident |
| 1/27/2018 | Ft. Wayne, IN | 1,600 | Auto accident |
| 1/27/2018 | Western WA | 17,000 | Weather |
| 1/27/2018 | Terre Haute, IN | 4,000 | Construction accident |
| 1/27/2018 | Lake Charles, LA | 347 | Weather |
| 1/28/2018 | San Diego Cty, CA | Region | Fire danger cut-off |
| 1/28/2018 | Ypsilanti, MI | 2,258 | Equipment failure |
| 1/28/2018 | Brown City, MI | 1,300 | Equipment failure |
| 1/28/2018 | Pacoima, CA | 1,400 | Weather/Wind |
| 1/29/2018 | Winston-Salem, NC | College closed | Equipment failure |
| 1/29/2018 | Waikiki, HI | 6.000 | Transformer |
| 1/29/2018 | South Bend, IN | 3,600 | Unknown |
| 1/29/2018 | Poway, CA | 780 | Weather |
| 1/30/2018 | Franklin Cty, IL | 3,400 | Equipment failure |
| 1/30/2018 | Greenville, SC | 4,800 | Unknown |
| 1/30/2018 | Lebanon, PA | 1,300 | Transformer |
| 1,00/2010 | Evention, ITA | 1,000 | nansionna |

* List may not be exhaustive. Impact is measured in the number of households/businesses affected, unless otherwise noted.

Full Protection from Damaging Power Problems.



Power Protection from Edge to the Core



Liebert® GXT4™ UPS 500 - 10,000VA



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