



**STATE OF VERMONT**  
JOINT FISCAL OFFICE

**MEMORANDUM**

To: Joint Fiscal Committee members  
From: Daniel Dickerson, Fiscal Analyst *DD*  
Date: June 27, 2018  
Subject: Grant Request #2919

Enclosed please find one (1) item, which the Joint Fiscal Office has received from the Secretary of State's office. **The administration has requested expedited review of this grant by the JFC.** Members will be contacted by July 5, 2018 for a decision unless the member has responded prior to that time.

**JFO #2919** – \$3,659,099<sup>1</sup> from the Federal Emergency Management Agency (FEMA) to the VT Dept. of Public Safety. The funds would be used to provide public assistance in counties throughout the state that were impacted by severe wind that swept through on October 29-30, 2017. The President made a disaster declaration on January 2, 2018, which subsequently allowed the State to be eligible for public assistance funding. Some State funding would be expended from the Emergency Relief and Assistance Fund as a match for the federal and local funding. Typically the state match ranges from 7.5% to 12.5% of project costs per municipality, but could vary due to damage to utilities, some of which are state-match eligible and others are not.  
*[JFO received 6/25/18]*

Please review the enclosed materials and notify the Joint Fiscal Office (Daniel Dickerson at (802) 828-2472; [ddickerson@leg.state.vt.us](mailto:ddickerson@leg.state.vt.us)) if you have questions or would like an item held for legislative review. Unless we hear from you to the contrary by July 5, 2018 we will assume that you agree to consider as final the Governor's acceptance of these requests.

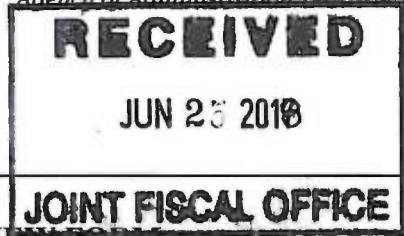
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<sup>1</sup> This amount is an estimate based on initial damage assessments taken following the extreme weather that occurred in Vermont from Oct. 29-30, 2017. Approximately \$4.7 million in damage has been estimated thus far with \$3.66 million (75%) to be funded by FEMA.

State of Vermont  
 Department of Finance & Management  
 109 State Street, Pavilion Building  
 Montpelier, VT 05620-0401

[phone] 802-828-2376  
 [fax] 802-828-2428

Agency of Administration




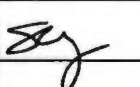
**STATE OF VERMONT  
 FINANCE & MANAGEMENT GRANT REVIEW FORM**

<b>Grant Summary:</b>	To provide federal disaster assistance for damage caused by the October 2017 wind event in Addison, Chittenden, Essex, Franklin, Grand Isle, Lamoille, Orange, Orleans, Washington and Windsor counties.				
<b>Date:</b>	6/7/2018				
<b>Department:</b>	Department of Public Safety - EM - Other 2140031000				
<b>Legal Title of Grant:</b>	Disaster Grants - Public Assistance (Presidentially Declared Disasters)				
<b>Federal Catalog #:</b>	97.036				
<b>Grant/Donor Name and Address:</b>	Federal Emergency Management Agency				
<b>Grant Period:</b>	<b>From:</b>	1/2/2018	<b>To:</b>	1/2/2021	
<b>Grant/Donation</b>	\$ based on 75% of initial estimate of \$4,721,139 plus 3.34% for mgt. cost; amounts to be determined as damage estimates progress.				
	<b>SFY 1</b>	<b>SFY 2</b>	<b>SFY 3</b>	<b>Total</b>	<b>Comments</b>
<b>Grant Amount:</b>	\$790,866	\$2,325,279	\$542,954	\$3,659,099	Estimated

<b>Position Information:</b>	<b># Positions</b>	<b>Explanation/Comments</b>

**Additional Comments:** The state match is not a requirement to receive this grant, but is an outcome of existing state policy. The match amount is uncertain at this point due to damage at non-state-match-eligible utilities and state-match-eligible municipal utilities that has not yet been estimated.

*4/2/18*

<b>Department of Finance &amp; Management</b>		(Initial)
<b>Secretary of Administration</b>		(Initial)
<b>Sent To Joint Fiscal Office</b>		<b>Date</b> 6/22/18



STATE OF VERMONT REQUEST FOR GRANT (\*) ACCEPTANCE (Form AA-1)

BASIC GRANT INFORMATION					
1. Agency:					
2. Department:		Public Safety			
3. Program:		Vermont Emergency Management			
4. Legal Title of Grant:		Disaster Grants- Public Assistance (Presidentially Declared Disasters)			
5. Federal Catalog #:		97.036			
6. Grant/Donor Name and Address: Federal Emergency Management Agency					
7. Grant Period:		From:	1/2/2018	To:	1/2/2021
8. Purpose of Grant: To provide Federal disaster assistance for emergency work and the repair/replacement of disaster damaged facilities during the October 2018 wind event in Addison, Chittenden, Essex, Franklin, Grand Isle, Lamoille, Orange, Orleans, Washington, and Windham Counties.					
9. Impact on existing program if grant is not Accepted: Eligible State, Local, and Non-Profit agencies may have to bear the full cost of disaster related expenses. Budget information below is based on the Preliminary Damage Assessment and SF-424 submission.					
10. BUDGET INFORMATION					
	SFY 1	SFY 2	SFY 3	Comments	
Expenditures:	FY 2018	FY 2019	FY 2020		
Personal Services	\$47,306	\$59,132	\$11,826	MC PA Staff Time	
Operating Expenses	\$	\$	\$		
Grants	\$943,027	\$3,069,942	\$708,171	Subgrants	
<b>Total</b>	<b>\$990,333</b>	<b>\$3,129,074</b>	<b>\$719,997</b>		
Revenues:					
State Funds:	\$	\$	\$		
Cash	\$	\$195,956	\$34,580	ERAF	
In-Kind	\$	\$	\$		
Federal Funds:	\$	\$	\$		
(Direct Costs)	\$790,886	\$2,325,279	\$542,954	MC & Subgrants	
(Statewide Indirect)	\$	\$	\$		
(Departmental Indirect)	\$	\$	\$		
Other Funds:	\$	\$	\$		
Grant (source Local Match)	\$199,447	\$607,839	\$142,463	Subgrant Match	
<b>Total</b>	<b>\$990,333</b>	<b>\$3,129,074</b>	<b>\$719,997</b>		
Appropriation No:	2140031000 Fund 22005	Amount:	\$790,886		
			\$		
			\$		
			\$		
			\$		
			\$		
			\$		

**STATE OF VERMONT REQUEST FOR GRANT (\*) ACCEPTANCE (Form AA-1)**

		<b>Total</b>   \$790,886
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**PERSONAL SERVICE INFORMATION**


**11. Will monies from this grant be used to fund one or more Personal Service Contracts?**  Yes  No  
 If "Yes", appointing authority must initial here to indicate intent to follow current competitive bidding process/policy.

Appointing Authority Name: \_\_\_\_\_ Agreed by: \_\_\_\_\_ (initial)

12. Limited Service Position Information:	# Positions	Title
<b>Total Positions</b>		

**12a. Equipment and space for these positions:**  Is presently available.  Can be obtained with available funds.

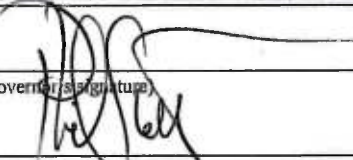
**13. AUTHORIZATION AGENCY/DEPARTMENT**

I/we certify that no funds beyond basic application preparation and filing costs have been expended or committed in anticipation of Joint Fiscal Committee approval of this grant, unless previous notification was made on Form AA-1PN (if applicable):	Signature: 	Date: 6/6/18
	Title: DPS Commissioner/DPS Deputy Commissioner	
	Signature: _____	Date: _____
	Title: _____	

**14. SECRETARY OF ADMINISTRATION**

<input checked="" type="checkbox"/> Approved:	(Secretary or designee signature) 	Date: 6/18/18
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**15. ACTION BY GOVERNOR**

<input checked="" type="checkbox"/> Accepted	(Governor's signature) 	Date: 6/21/18
<input type="checkbox"/> Rejected		

**16. DOCUMENTATION REQUIRED**

Required GRANT Documentation	
<input type="checkbox"/> Request Memo <input type="checkbox"/> Dept. project approval (if applicable) <input type="checkbox"/> Notice of Award <input type="checkbox"/> Grant Agreement <input type="checkbox"/> Grant Budget	<input type="checkbox"/> Notice of Donation (if any) <input type="checkbox"/> Grant (Project) Timeline (if applicable) <input type="checkbox"/> Request for Extension (if applicable) <input type="checkbox"/> Form AA-1PN attached (if applicable)

**End Form AA-1**

(\*) The term "grant" refers to any grant, gift, loan, or any sum of money or thing of value to be accepted by any agency, department, commission, board, or other part of state government (see 32 V.S.A. §5).



JPF ak

State of Vermont  
Department of Public Safety  
45 State Drive  
Waterbury, Vermont 05671-1300  
(802) 241-5000  
TTY/TDD (888) 545-7598  
[www.dps.vermont.gov](http://www.dps.vermont.gov)

FEMA Grant to DPS, VEM  
for distribution to towns and  
public utilities to assist with  
disaster relief from the October  
29-30, 2017 storm.

June 13, 2018

To: Joint Fiscal Committee  
Through: Jason Aronowitz, Department of Finance and Management  
From: Ben Rose, Vermont Emergency Management  
CC: Melissa Austin, Vermont Emergency Management

Re: FEMA Grant AA-1 for DR4356 REQUEST FOR EXPEDITED PROCESSING

As of today, FEMA has obligated \$588,901, with additional obligations arriving weekly, for disaster recovery grants related to DR4356, i.e. federal Public Assistance grants for recovery from the Storm of Oct. 29-30, 2017, which was declared as DR4356 on January 2, 2018. The State, as Grantee, is responsible for distributing these funds to towns and public utilities to assist in their recovery beginning in FY 2018.

I respectfully ask for EXPEDITED PROCESSING of the AA-1, and/or whatever additional documents and authorizations are required to allow the Department of Public Safety to distribute DR4356 federal funds to their intended use. Thank you.

Respectfully,

  
Ben

# DECLARED JANUARY 2, 2018

## SUMMARY

STATE: Vermont  
NUMBER: FEMA-4356-DR  
INCIDENT: Wind Event  
INCIDENT PERIOD: October 29-30, 2017  
DATE REQUESTED BY GOVERNOR: November 28, 2017  
FEDERAL COORDINATING OFFICER: James N. Russo  
National FCO Program

### DESIGNATIONS AND TYPES OF ASSISTANCE:

#### INDIVIDUAL ASSISTANCE (Assistance to individuals and households):

Not Requested.

#### PUBLIC ASSISTANCE (Assistance for emergency work and the repair or replacement of disaster-damaged facilities):

Addison, Chittenden, Essex, Franklin, Grand Isle, Lamoille, Orange, Orleans, Washington, and Windham Counties.

#### HAZARD MITIGATION GRANT PROGRAM (Assistance for actions taken to prevent or reduce long term risk to life and property from natural hazards):

All areas in the State of Vermont are eligible for assistance under the Hazard Mitigation Grant Program.

OTHER: Additional designations may be made at a later date if requested by the state and warranted by the results of further damage assessments.

PHILIP B. SCOTT  
Governor



State of Vermont  
OFFICE OF THE GOVERNOR

November 28, 2017

The Honorable Donald Trump  
President of the United States  
The White House  
Washington, DC

Through: Mr. Paul Ford  
Acting Regional Administrator  
FEMA Region I  
99 High Street  
Boston, Massachusetts 02110

RE: REQUEST FOR PRESIDENTIAL DISASTER DECLARATION  
GOVERNOR'S REQUEST COVER LETTER  
MAJOR DISASTER OR EMERGENCY

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a Major Disaster for the State of Vermont for Public Assistance in Addison, Chittenden, Essex, Franklin, Grand Isle, Orange, Orleans, Lamoille, Washington, and Windham Counties and Hazard Mitigation statewide as a result of a Severe Storm and Flooding which occurred across Vermont on October 29 and 30, 2017.

The wind storm with gusts of 70+ miles-per-hour, which made its way through Vermont on October 29 and 30, 2017, caused millions of dollars in damages to public infrastructure. Utilities took the greatest hit as power restoration stretched out over several days and involved the replacement of hundreds of poles in rugged terrain. Communities dedicated local funds and resources to tree and debris removal and repairs to public infrastructure. Faced with outages and damage in every county of the State, utilities and road crews worked around-the-clock to restore services and clear roads.

Total Public Assistance costs are expected to exceed \$4-million statewide, not counting the even-greater damages to private properties and utilities. Green Mountain Power (GMP), Vermont's largest electric utility, estimates that the total

cost to recover their system and customers from the wind event is in the \$12-\$14 million range. While that initial estimate may go up, it is unlikely to go down. Although GMP is a private utility and therefore not eligible for federal Public Assistance, they restored power to a total of 124,330 homes and businesses during the storm (out of a total service area of approximately 265,000 customers). The financial impact of this event on Vermonters has been, and will be significant. Federal disaster assistance is requested to ease the effects on communities and public utilities.

Mike Bursell, the Chief Financial Officer of the hard-hit Vermont Electric Coop (VEC), offered this comment:

“Early on that Monday morning, in the throes of the event, the entire State of Vermont was lit up ‘red’ on the statewide electric utility outage website, meaning there were at least 1,000 power outages in *each* county. I’ve *never* seen that happen before. From a utility standpoint, this was one of the most significant outage events we’ve ever had... Also, because all of New England was suffering from the same storm, there was a scarcity of outside assistance for utilities. Major storm events usually impact just one or two Vermont utilities hard. This time, it was not just VEC, but also Washington Electric Coop, Stowe, Hardwick & Enosburgh electric utilities... Basically the western side of the Green Mountains, all the way down the State... VEC peaked at 17,000 customers out of power (nearly 45% of our entire system).”

The National Weather Service provided timely and relevant warnings and information before, during, and after this incident. The meteorological factors and precursors for this incident are described in Enclosure E (“For The Record” Weather Summary Memo from November 2, 2017) from Scott Whittier, Warning Coordination Meteorologist for the National Weather Service based in Burlington, Vermont.

Thanks to adequate warning that the storm was coming, utilities began preparing days in advance. GMP began lining up extra repair crews on October 26. Vermont Emergency Management hosted an Emergency Prep Conference Call on October 27, 2017 at 1500. GMP offered assistance to smaller Vermont utilities such as Stowe Electric and Vermont Electric Co-op as they worked through final outage restorations. Some Vermont families did not have power restored until Sunday, November 5, 2017, six full days after the storm. Several utilities anecdotally referred to this storm as the worst they had ever seen.

The State Emergency Operations Plan (SEOP) was implemented during this event. The State Emergency Operations Center (SEOC) was activated on 0800 on October 29, 2017 and remained in partial activation until 1645 on November 2, 2017. In addition to Vermont Emergency Management (VEM), State Support Function (SSF) leads were called in to staff the SEOC during the incident from Governor’s Office, Vermont State Police, Agency of Transportation, Agency of Digital Services,



The Honorable Donald Trump  
November 28, 2017  
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Agency of Human Services, Agency of Natural Resources, Agency of Agriculture Food and Markets, Department of Fire Safety, Department of Buildings and General Services, Department of Health, Department of Public Service, Vermont National Guard, American Red Cross, SerVermont and Vermont 211.

By the conclusion of the incident, 49 communities had reported significant impacts to public infrastructure including temporary road closures. All impacted communities followed their Local Emergency Operations Plans (LEOPs) and reported public and private property damages through their Regional Planning Commissions (RPCs) to VEM. 176 schools were closed and 35 schools had delayed openings on October 30, 2017. Fortunately, there were no deaths or major injuries reported.

The American Red Cross opened regional emergency overnight shelters in Milton, Barre City and Middlebury for the night of October 30, and kept them on a standby basis the night of October 31, 2017. Vermont National Guard Armory Warming Centers were open until 1630 on November 3, 2017 in Bradford, Enosburg Falls, Lyndonville, Morrisville, St. Albans, Swanton, and Westminster. Local warming centers were open in Leicester, Monkton, Bakersfield, and Huntington. Attendance at the shelters was generally low, thanks largely to relatively mild temperatures for the first several nights after the storm.

In Vermont's southeasternmost county, Windham, with a population of just 44,513, storm impacts included \$517,974 of flood damage to roads, bridges, and culverts, in excess of \$10 per capita countywide. In the town of Dover (population 1,083), damage was \$322,092, or \$297 per capita. In the town of Newfane, (population 1,680), damage was \$117,745, or \$70 per capita.

On November 3, 2017 after collecting damage reports from local communities via RPCs and the Vermont Agency of Transportation, and from public utilities through direct outreach, Vermont's Director of Emergency Management, Erica Bornemann, wrote to FEMA Region 1 Acting Administrator Paul Ford requesting a Preliminary Damage Assessment (PDA) for Addison, Chittenden, Essex, Franklin, Grand Isle, Lamoille, Orange, Orleans, Washington, and Windham Counties. PDA teams comprised of local, state, and federal representatives convened at Vermont Emergency Management on November 8, 2017 and site visits were conducted between November 8, 2017 and November 20, 2017.

Validated PDA totals were provided by FEMA to my staff on November 20, 2017. The Joint Preliminary Damage Assessment validated \$3,716,422 in public infrastructure damages. That total is likely to rise, because it does not capture the damages in some small towns which incurred eligible costs but were not visited during PDAs because their counties had already far exceeded thresholds. Of the validated total, Category A (Debris) was \$1,071,332 (29%); Category C (Roads and bridges), all of which was located in Windham County, was \$517,974 (14%). The

The Honorable Donald Trump  
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Page Four

remainder, \$2,080,517, or 57% of the damage, was Category F (utilities). None of the damaged infrastructure has commercially available insurance coverage, and therefore all repair costs must be covered by State and local government taxpayers and utility ratepayers.

Each county included in this declaration request had damages which exceeded the per capita threshold of \$3.68.

The impacts of the October 29-30, 2017 event exceed the currently available capabilities of the State of Vermont. Since 2013, Vermont has experienced seven federally-declared and numerous non-declared disasters. DR 4120 (May 2013 flooding), DR 4140 (June-July 2013 flooding), DR 4163 (December 2013 ice storm), DR 4178 (April 2014 flooding), DR 4207 (December 2014 severe winter storm), DR 4232 (June 9, 2015 flooding), and DR 4330 (June-July 2017 flooding) all stressed the State's capacity to respond and recover. This series of disasters, in addition to the ongoing recovery efforts associated with DR 4022 (Tropical Storm Irene), continue to stress and deplete State and local recovery resources.

The events which have been federally declared as disasters have not been the only ones which impacted Vermont over the past two years. In February 2016, the SEOC was activated due to flooding on the Passumpsic, Missisquoi, Lamoille, and Winooski Rivers which resulted in numerous road and private property impacts in Caledonia, Franklin, Lamoille and Washington Counties which were absorbed by the State and local communities. In early May 2017, a severe windstorm caused over 16,000 power outages and large amount of debris across the City of Rutland. In mid-May, a severe storm caused a home to be destroyed in West Addison.

In building the budget for the State's upcoming fiscal year, there is a gap between anticipated General Fund revenues and planned appropriations in the low-to-mid \$40 million range. For context, this is a typical gap number, but we have already taken the achievable steps we could to balance prior budgets, making the gap for this budget a difficult lift. The Emergency Relief and Assistance Fund (ERAF) already needs an increase in the Budget Adjustment Act which the Vermont General Assembly will consider in January 2018, of which \$800,000 is the projected need for State share from the June-July 2017 flooding, DR4330. This new event is expected to further increase the ERAF shortfall by an additional \$200,000.

Vermont's Town Highway Emergency Fund is already fully depleted for the current State Fiscal Year, and it will be called upon to assist communities which incurred extraordinary costs in those counties which did not meet Public Assistance thresholds.

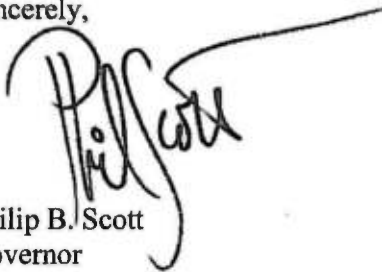
The impacts from this disaster could have been worse if not for the hazard mitigation work previously undertaken. For example, Vermont Electric Cooperative was able to use 406 hazard mitigation funding from DR4207, the ice storm of December 2014, to bury some power lines at Gillette Pond in Richmond, Vermont, a heavily wooded site which had seen repetitive power outage damages. There was no damage at that location in this event.

The Honorable Donald Trump  
November 28, 2017  
Page Five

The greatest remaining unmet recovery need is for financial assistance to the impacted public utilities and communities to help them avoid economic shock to businesses and families. Without federal assistance, there would be dramatic increases in electric rates for several small utilities and spikes in local property taxes in some communities. The total statewide sum of infrastructure impacts from this event exceeds \$4 million based on local damage estimates. For a State of only 626,000 people, that is more than \$6 of damage per capita, a magnitude amply sufficient to support federal assistance under the Stafford Act.

Thank you for your continuing support of the State of Vermont and our citizens.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip B. Scott". The signature is stylized and includes a long horizontal line extending to the right.

Philip B. Scott  
Governor

PBS/kp

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

A: Individual Assistance (Not Requested in this document)

B: Public Assistance

C: Requirements for Other Federal Agency Programs

D: Historic and Current Snowfall Data (NA)

E: "For The Record" Weather Summary Memo from November 2, 2017

**ENCLOSURE A TO MAJOR DISASTER REQUEST**

Estimated Requirements for **Individual Assistance** under the Stafford Act

The State of Vermont is not requesting Individual Assistance for this event.



**ENCLOSURE C TO MAJOR DISASTER REQUEST**

**Estimated Assistance from Other Federal Agency Programs**

<b>County</b>	<b>SBA Home Loans</b>	<b>SBA Business Loans</b>	<b>FSA Loans</b>	<b>NRCS</b>	<b>FHWA</b>	<b>USACE</b>	<b>OTHER</b>
<b>All</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>	<b>TBD</b>
<b>Totals</b>							

## ENCLOSURE E TO MAJOR DISASTER REQUEST

### "For The Record" Weather Summary Memo from November 2, 2017



National Oceanic and Atmospheric Administration  
National Weather Service  
Weather Forecast Office Burlington, VT  
1200 Airport Dr  
South Burlington, VT 05403  
[www.weather.gov/btv](http://www.weather.gov/btv)

November 2, 2017

MEMORANDUM: FOR THE RECORD

FROM: Scott Whittier, Warning Coordination Meteorologist  
NOAA/National Weather Service Burlington, VT

SUBJECT: Weather Summary for the 29-30 October 2017 Windstorm

A widespread damaging wind and rain storm moved through Vermont and the northeast United States during the evening and overnight hours of October 29-30<sup>th</sup>.

Widespread wind gusts in excess of 40 mph occurred across most of the state with many areas witnessing 50 to 60 mph with some higher gusts. The greatest concentration of damaging winds was in communities with higher elevation (>1500 feet) and west of various mountain ranges, especially the northern Green Mountains. (Table 1, Figure 1).

These damaging winds produced widespread tree and utility line damage that caused nearly a third of Vermont's utility customers (100,000+) without power. Damaging winds caused some minor structural damage in the form of shingles off roofs, but fallen trees and branches led to significant damage to vehicles, homes and other structures as well as closing or restricting travel on dozens of Vermont roads. All of the above resulted in closed businesses and hundreds of school closing, some for several days.

In addition, heavy rainfall occurred across portions of Vermont as well, especially southeastern parts of the state where 2 to 4 inches occurred (Figure 2). This resulted in some flooding of roads, including some washed out roads.

#### **Meteorological Set-up and Timeline**

This storm was the result of several strong meteorological factors that combined to produce this very intense system.

A cold front, supported by an energetic upper level system, moved across the Mississippi and Ohio River valleys to the eastern seaboard by midday Sunday (10/29) and initially developed an area of low pressure. Meanwhile, energy and deep tropical moisture, associated with the remnants of Tropical Storm Philippe (well offshore of the southeast United States) interacted with the developing east coast storm to create a rapidly

intensifying storm Sunday night off the mid-Atlantic coast that traveled into the Champlain Valley by Monday morning (10/30). – (Figure 3).

Periods of rain and showers moved into Vermont during Sunday with steadier, heavier rain moving across portions of the state Sunday afternoon and Sunday night. Again, two to four inches of rainfall occurred across southeast Vermont, where flooding occurred, with lesser amounts elsewhere.

### **Winds at Vermont's Higher Peaks**

Southeast winds of 25 to 40 mph with gusts in excess of 50 mph winds developed across Vermont's highest ridge lines by midday Sunday and maintained that intensity through the daylight hours before increasing to 40 to 50 mph with gusts in excess of 70 mph during the evening. The peak intensity of the storm occurred during the early morning hours of Monday, east to southeast winds of 50 to 70 mph with gusts in excess of 100 mph occurred between Midnight and 5 am Monday when some of these winds started to translate down to lower elevations. Mount Mansfield witnessed a peak wind gusts of 115 mph and Wells (~2100 feet) reported a wind gust of 78 mph.

### **Winds at Vermont's Lower Elevations**

Southeast winds of 15 to 25 mph with gusts to 40 mph started to move across lower elevations along the western slopes of Vermont's Green Mountains during the mid to late afternoon hours of Sunday and maintained that intensity to just past midnight of Monday.

During the early morning hours of Monday, the intensely strong winds at mountain top levels started to produce mountain waves that eventually translated down to the lower elevations, especially along the western side of Vermont's higher terrain. Between 1 am and 5 am, beginning from southern Vermont and moving northward, east-southeast winds of 25 to 35 mph with gusts 45 to 65+ mph occurred for an approximate 2-3 hour duration across much of the state.

Thereafter, there was a temporary lull during the morning hours until early Monday afternoon, when brisk to strong southwest winds of 15 to 25 mph with gusts to 35-40 mph redeveloped which hampered recovery efforts and/or renewed power outages.

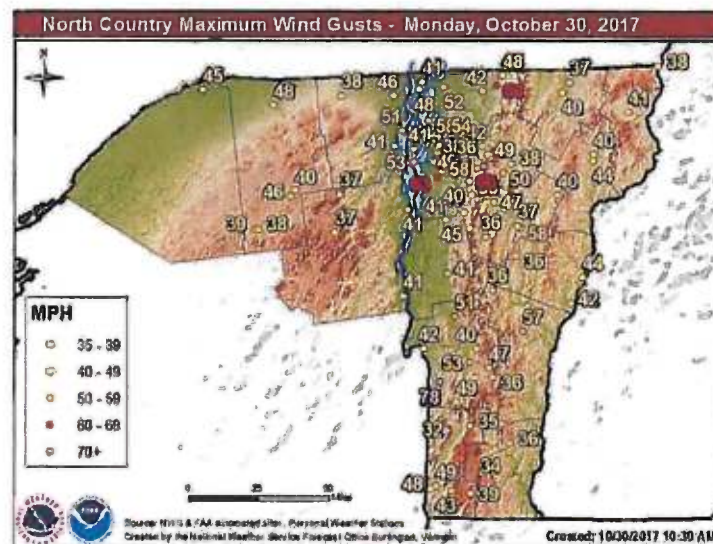
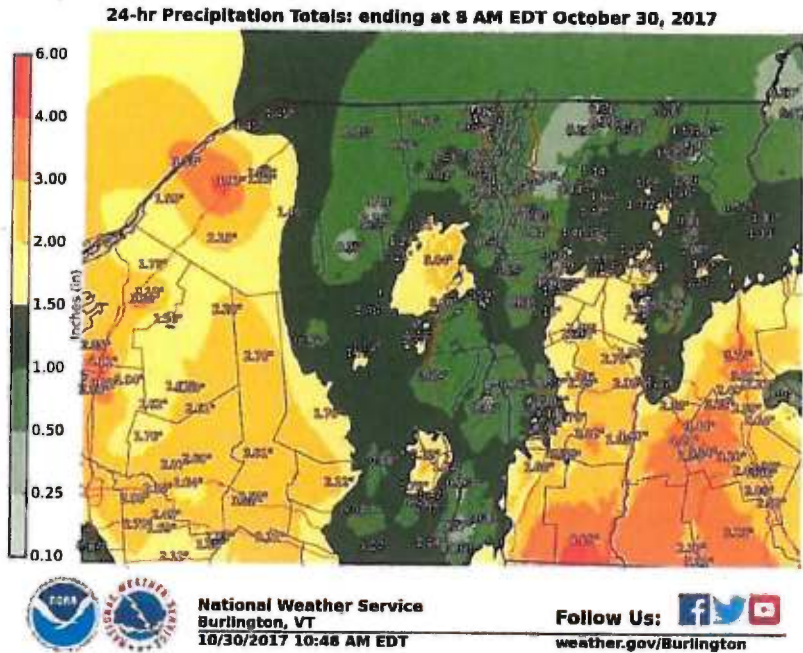
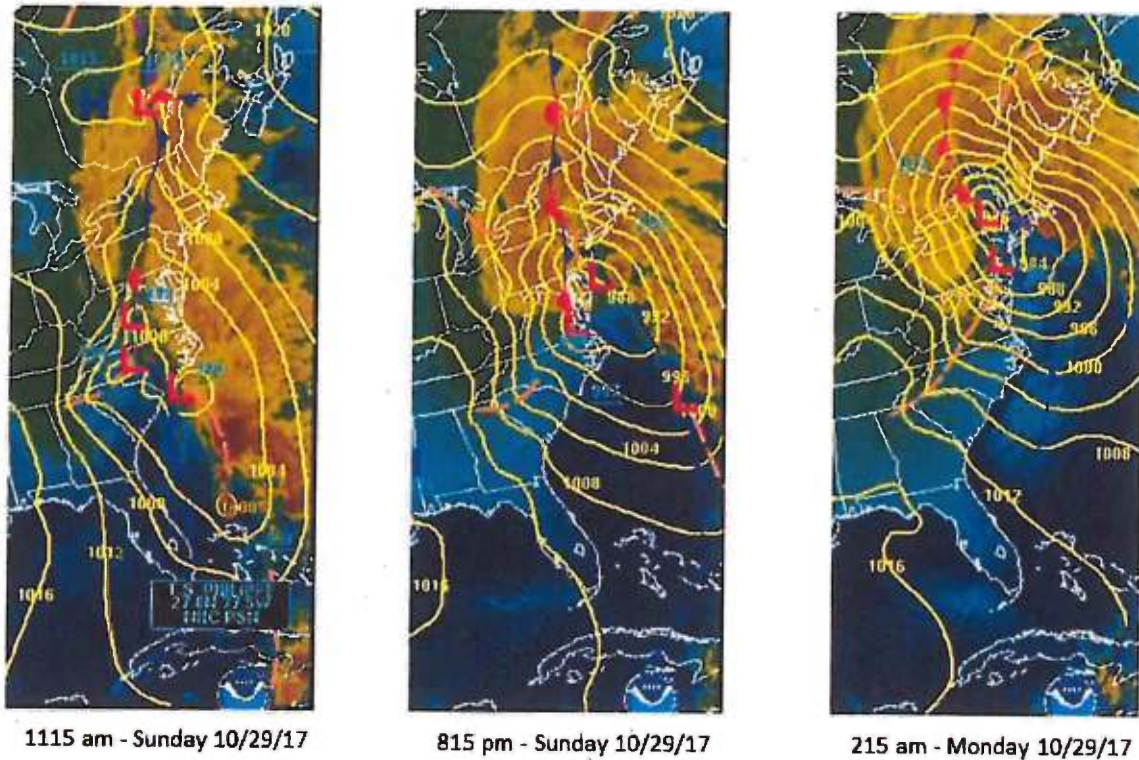


Figure 1 – Peak Measured Wind Gusts





**Figure 2 – 24 Hour Rainfall ending 8 am October 30th**



**Figure 3 – Satellite Pictures of Storms Timeline and Track**

**Table 1 (Below) – Peak Measured Wind Gusts**

Public Information Statement  
 Spotter Reports  
 National Weather Service Burlington VT  
 629 AM EDT Mon Oct 30 2017

VERMONT

...Addison County...				
1 E Monkton Ridge	41	301 AM	10/30	CWOP
Middlebury Airport	41	555 PM	10/29	AWOS
...Caledonia County...				
Lyndon State College	44	245 AM	10/30	MESOWEST
Caledonia County Air	40	155 AM	10/30	AWOS
...Chittenden County...				
Burlington Intl Airp	63	554 AM	10/30	ASOS
1 E Nashville	60	235 AM	10/30	NWS Employee
1 ENE Underhill Cent	58	327 AM	10/30	CWOP
Colchester Reef	53	500 AM	10/30	MESOWEST
1 NE Chimney Corner	51	520 AM	10/30	CWOP
1 ENE Malletts Bay	49	400 AM	10/30	MESOWEST
2 N Hanksville	47	255 AM	10/30	CWOP
1 SSE Camels Hump St	45	315 AM	10/30	MESOWEST
1 E West Milton	44	316 AM	10/30	MESOWEST
Essex Junction	40	402 AM	10/30	RAWS
1 E Jonesville	40	331 AM	10/30	MESOWEST
1 W Milton	38	400 AM	10/30	MESOWEST
1 WNW Westford	36	310 AM	10/30	CWOP
1 W West Bolton	36	1138 PM	10/29	CWOP
...Essex County...				
2 E East Brighton	41	347 AM	10/30	MESOWEST
Canaan	38	447 AM	10/30	MESOWEST
...Franklin County...				
East Berkshire	60	418 AM	10/30	MESOWEST
Burton Island	58	500 AM	10/30	MESOWEST
Fairfax	54	458 AM	10/30	CWOP
Highgate Airport	52	355 AM	10/30	NONFEDAWOS
Richford	48	224 AM	10/30	MESOWEST
Enosburg Falls	42	429 AM	10/30	MESOWEST
...Grand Isle County...				
1 WNW North Hero Sta	48	518 AM	10/30	MESOWEST
1 SW South Hero	41	525 AM	10/30	MADIS
1 ENE Alburgh Center	41	557 AM	10/30	CWOP
...Lamoille County...				
Mt. Mansfield	115	335 AM	10/30	Co-Op Observer
1 N Stowe	50	426 AM	10/30	CWOP
2 MNE Smugglers Notc	49	518 AM	10/30	MESOWEST
1 S Jeffersonville	42	423 AM	10/30	MESOWEST
Morrisville-stowe St	38	254 AM	10/30	ASOS

...Orange County...			
2 NNE Fairlee	44	427 AM 10/30	MESOWEST
Thetford Center	42	431 AM 10/30	MESOWEST
1 NNW Brookfield	36	201 AM 10/30	MESOWEST
...Orleans County...			
Newport State Airpor	40	355 AM 10/30	NONFEDAWOS
1 E Newport	37	427 AM 10/30	MESOWEST
...Rutland County...			
1 ENE Wells	78	249 AM 10/30	MESOWEST
Rutland Airport	53	456 AM 10/30	AWOS
2 SE Brandon	51	331 AM 10/30	MESOWEST
1 S Danby Four Corne	49	1025 PM 10/29	MESOWEST
2 ESE Shrewsbury	47	208 AM 10/30	CHOP
Fair Haven	42	416 AM 10/30	MESOWEST
3 SSE Mendon	40	222 AM 10/30	CHOP
1 E Mt. Holly	36	315 AM 10/30	MESOWEST
...Washington County...			
Montpelier Airport	58	259 AM 10/30	ASOS
6 ESE Bolton	47	515 AM 10/30	MESOWEST
5 SW Walden	40	230 AM 10/30	MESOWEST
6 NNW Williamstown	37	416 AM 10/30	MESOWEST
Waitsfield	36	610 AM 10/30	CHOP
...Windsor County...			
1 NW South Pomfret	57	306 AM 10/30	CHOP
2 ENE Rochester	36	425 AM 10/30	MESOWEST
...Bennington County...			
Bennington State Air	48	503 AM 10/30	ASOS
4 ESE Woodford State	39	511 AM 10/30	MESOWEST
3 WSW Peru	38	1230 PM 10/30	MESOWEST
3 WSW Woodford State	37	431 AM 10/30	MESOWEST
1 NNE Old Bennington	32	1230 PM 10/30	MESOWEST
...Windham County...			
4 N Townshend	36	432 AM 10/30	CHOP
5 NNW Wilmington	34	430 AM 10/30	CHOP

DEPARTMENT OF HOMELAND SECURITY  
Federal Emergency Management Agency  
**REQUEST FOR PRESIDENTIAL DISASTER DECLARATION**  
**MAJOR DISASTER OR EMERGENCY**

OMB Control Number 1660-0009  
Expires 09/30/2019

1. Request Date Nov 28, 2017

**Burden Disclosure Notice**

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.  Vermont	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s). <u>625,741</u>
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3. Governor's or Tribal Chief Executive's Name Philip Scott	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number Erica Bornemann, 802-241-5487
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5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number  
Susanne R. Young, 802-828-3322

6. Declaration Request For:  Major Disaster (Stafford Act Sec. 401)  Emergency (Stafford Act Sec. 501 (a))

7. Incident Period: Beginning Date Oct 29, 2017 End Date Oct 30, 2017 or  Continuing *If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).*

7b. Type of Incident (Check all that apply)

Drought  Earthquake  Explosion  Fire  Flood  Hurricane  Landslide  Mudslide  
Severe Storm  (rain, high water, wind-driven, rain, hail, lightning)  Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data)  Straight-Line Winds  
 Tidal Wave  Tornado  Tropical Depression  Tropical Storm  Tsunami  Volcanic Eruption  Winter Storm  
 Other (please specify) \_\_\_\_\_

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.  
The State of Vermont was impacted by a storm with rain and high winds over the evening hours from October 29 to October 30, resulting in approximately 80,000 customer power outages at peak levels and flooding in some counties. Total statewide damages from the joint Preliminary Damage Assessment were \$3,716,422.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.  
The Vermont Emergency Operations Center was activated at 800 on 10/30/17, and remained partially activated until 11/02/17 at 1645. Impacted communities and public utility companies followed their emergency operations plans and took immediate actions to restore emergency access and power. Communities reported damages to Vermont Emergency Management via their Regional Planning Commissions, pursuant to the State Emergency Operation Plan (SEOP). Emergency Relief and Assistance Fund (ERAF) is provided from the State general fund to assist municipalities with a percentage of non-federal cost share (ranging from 30% to 70% of nonfederal share, depending on communities' status with respect to five criteria articulated in Vermont's ERAF Rule). Communities are responsible to raise their portions of non-federal share through local property taxes. The State's Town Highway Emergency Relief Fund assists communities in non-qualifying counties. Public utilities do not receive ERAF and must rely on ratepayers to cover costs.

10. Joint Preliminary Damage Assessment\*

Individual Assistance    Dates Performed    Requested \_\_\_\_\_    Start \_\_\_\_\_    End \_\_\_\_\_

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)  
Individual Assistance is not requested at this time.

Public Assistance    Dates Performed    Requested Nov 3, 2017    Start Nov 6, 2017    End Nov 21, 2017

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)  
Preliminary Damage Assessment teams were able to drive to within walking distance of the damaged locations viewed. In the case of Category F (utility) damages, many outages were in remote locations and were repaired prior to PDA.

11. Programs and Areas Requested

Individual Assistance  N/A     Individuals and Households Program     Crisis Counseling Program     Disaster Unemployment Assistance  
 All     Disaster Case Management     Disaster Legal Services     Small Business Administration (SBA) Disaster Assistance

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

For States, identify Federally-recognized Tribes in the requested counties (if applicable).

Please see **Enclosure A: Supplemental Information for Individual Assistance** for additional information in support of this request\*.

*\*Not Required for Emergency Declaration Request*

11. Programs and Areas Requested (Continued)

Public Assistance  N/A  Debris Removal (Category A)  Emergency Protective Measures (Category B)  Permanent Work (Categories C-G)\* (not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

Requested counties: Addison (\$147,603 in validated damages, \$135,501 per capita threshold), Chittenden (\$878,039 in damages, \$576,085 threshold), Essex (\$182,709 in damages, \$23,206 threshold), Franklin (\$349,930 in damages, \$175,705 threshold), Grand Isle (\$70,937 in damages, \$25,650 threshold), Lamoille (\$695,113 in damages, \$90,068 threshold), Orange (\$192,258 in damages, \$106,585 threshold), Orleans (\$457,716 in damages, \$100,210 threshold), Washington (\$224,144 in damages, \$219,085 threshold), and Windham (\$517,974 in damages, \$163,808 threshold).

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).

Please see **Enclosure B: Supplemental Information for Public Assistance** for additional information in support of this request\*.

**Indemnification for Debris Removal Activity**

I do not anticipate the need for debris removal.

I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

I request direct Federal assistance for work and services to save lives and protect property, and:

**Request for Direct Federal Assistance**

I do not request direct Federal assistance at this time.

I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

**Request for Snow Assistance**

N/A  I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see **Enclosure D: Historic and Current Snowfall Data** for additional information in support of this request\*.

\*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation\*  Statewide OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.

12. Mitigation Plan Information\*

a. Mitigation Plan Expiration Date November 18, 2018 b. Type of Plan  Enhanced  Standard

13. Other Federal Agency Programs

I do not anticipate requirements from Other Federal Agencies  I do anticipate requirements from Other Federal Agencies

Please see **Enclosure C**: Requirements for Other Federal Agency Programs for additional information in support of this request\*.

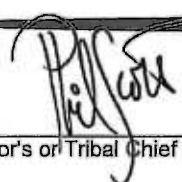
14. Findings and Certifications

I certify the following:

- a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.
- b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Oct 29, 2017 in accordance with the Stafford Act.
- c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

- Cover Letter  Enclosure A (Individual Assistance)\*  Enclosure B (Public Assistance)\*
- Enclosure C (Requirements for Other Federal Agency Programs)  Enclosure D (Historic and Current Snowfall Data)
- Additional Supporting Documentation Enclosure E: "For the Record (FTR) summary of the 29-30 October event" from NWS

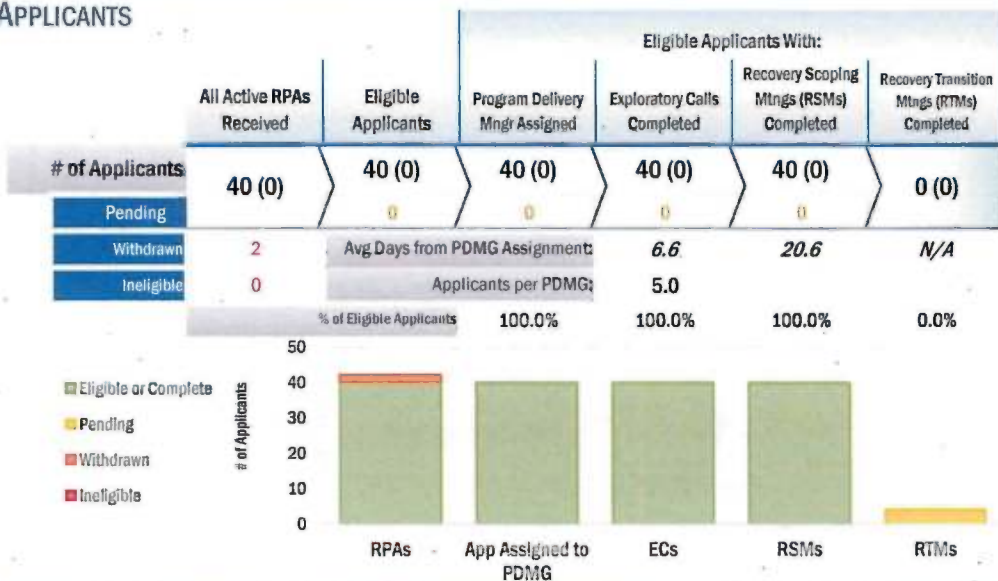
  
 \_\_\_\_\_  
 Governor's or Tribal Chief Executive's Signature

Nov 28, 2017  
 \_\_\_\_\_  
 Date

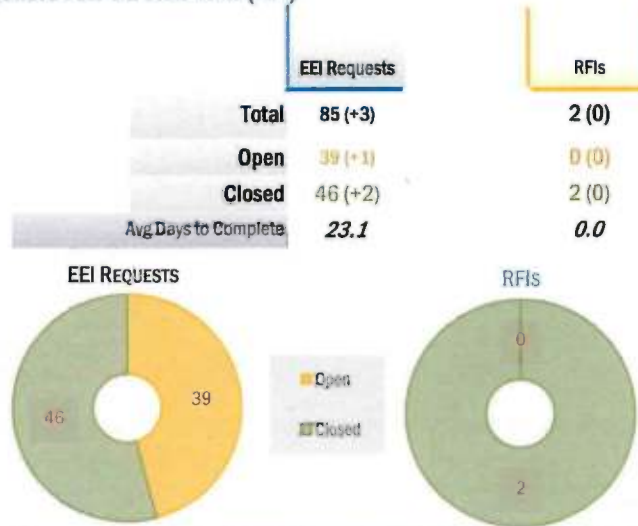
If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

\*Not Required for Emergency Declaration Request

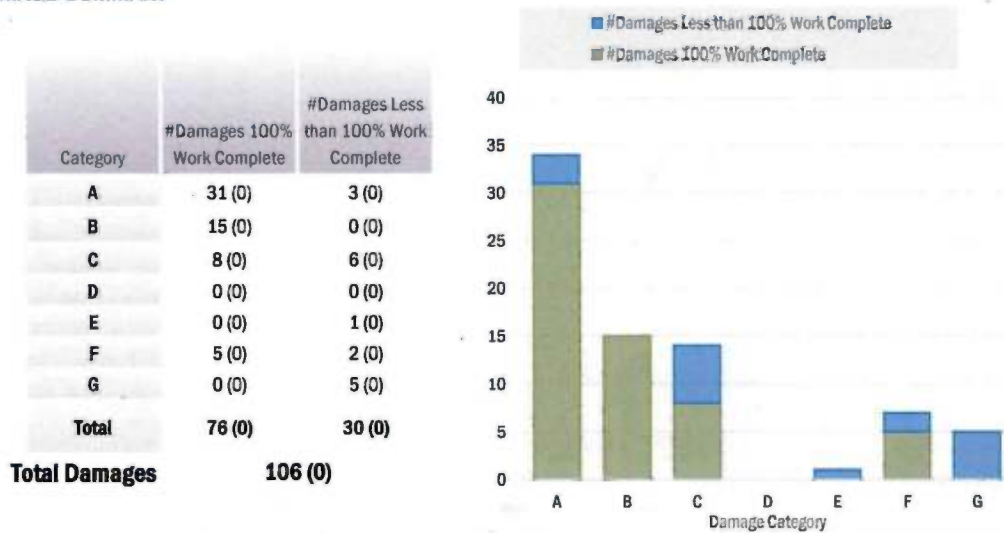
## APPLICANTS



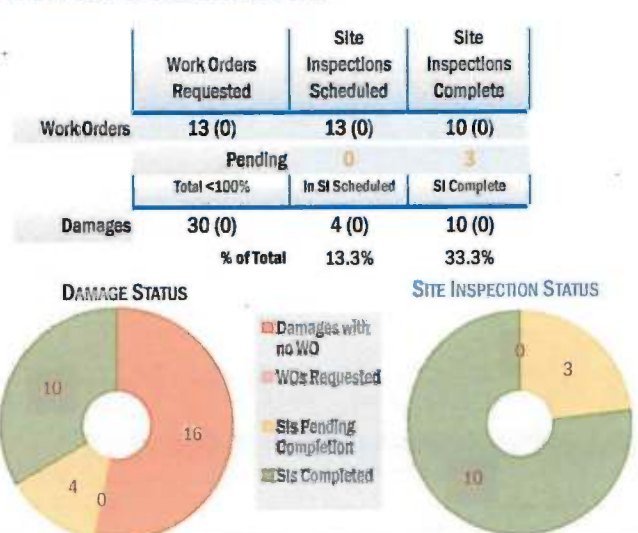
## ESSENTIAL ELEMENTS OF INFORMATION (EEI) & REQUESTS FOR INFORMATION (RFI)



## DAMAGE SUMMARY



## WORK ORDERS & SITE INSPECTIONS



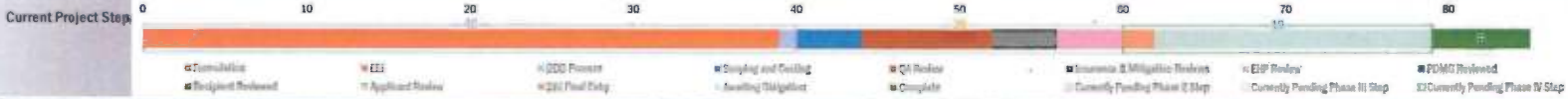




# 4356DR-VT | PUBLIC ASSISTANCE OPERATIONS OVERVIEW

as of: 06/04/2018 17:16 EDT (Change/Delta since: 06/03/2018 17:16)

PROJECT STATUS		Phase II					Phase III					Phase IV					
		Project at JFO					Project at CRC					Project at JFO					
Completed Work and Expedited or Cat Z Project Steps		Projects Created in Grants Manager	Projects Formulated	Projects Verified with Essential Elements of Information (EEI)		Projects Sent to CRC	Damage, Scope, & Cost Developed	Quality Assurance Reviewed	Insurance Reviewed	EHP Reviewed	PDMG Reviewed	Recipient Reviewed	Applicant Reviewed	Final Approved	Complete PWS (Obligations or Notifications) *		
Project Progress	Expedited or Cat Z Complete	30	30 (+1)	12 (0)		12	12 (0)	12 (+1)	0 (0)	0 (0)	7 (0)	7 (+1)	7 (+2)	6 (+1)	6		
	Pending		0	13		(0)	0	0	0	0	0	0	0	1			
	Comp. Work Projects Complete	49	49 (+1)	33 (+2)		33	29 (0)	28 (0)	22 (+1)	18 (0)	18 (0)	19 (0)	18 (+1)	17 (0)	0		
	Pending		0	18		(+2)	4			4	0	0	0	1			
	Standard or Specialized Project Steps	Projects Created in Grants Manager	Projects Formulated	Essential Elements of Info. (EEI)	PDMG Damage Description Review	Applicant Signed Damage Descriptions	Projects Sent to CRC	Scope and Cost Developed By FEMA	Scope and Cost Developed By Applicant	Quality Assurance Reviewed	Insurance & Mitigation Reviewed	EHP Reviewed	PDMG Reviewed	Recipient Reviewed	Applicant Reviewed	Final Approved	Complete PWS (Obligations or Notifications) *
	Standard Projects Complete	6	6 (0)	1 (0)	1 (0)	0 (0)	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0	
	Pending		0	0	0	0	(0)	0	0	0	0	0	0	0	0		
	Specialized Projects Complete	0	0 (0)	0 (0)	0 (0)	0 (0)	0	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0	
	Pending		0	0	0	0	(0)	0	0	0	0	0	0	0	0		
	<b>Total Complete</b>	<b>85</b>	<b>85</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>41</b>	<b>40</b>	<b>22</b>	<b>18</b>	<b>25</b>	<b>26</b>	<b>25</b>	<b>23</b>	<b>6</b>	
% of Total Projects		100.0%		52.9%		52.9%	48.2%	47.1%	25.9%	21.2%	29.4%	30.6%	29.4%	27.1%	7.1%		
Total Pending		0	39	1	1	0	4	4	4	4	0	0	0	2	17		
Average Time to Complete Step (In Days)		0.1	23.1	0.0	0.0	0.0	3.6	0.0	4.2	3.3	2.4	0.4	0.2	1.5	2.5		
Current Location of Pending Projects		Currently Pending Phase II Step					Currently Pending Phase III Step					Currently Pending Phase IV Step					
		40					20					19					
Avg. Project Time in Location		22.2 Days					14.3 Days					4.3 Days					
Avg. Total Time to Obligation							40.8 Days										



OBLIGATION BREAKDOWN (EMMIE)										406 HAZARD MITIGATION				RECOVERY TRANSITION MEETINGS (RTMs)			
Category	PDA - Federal Share Projected	Current - Federal Share Projected	PWs Entered in EMMIE	Federal Share of Project Amount	PWs Notified ††	PWs Awarded	Total PWS Completed	Federal Share Awarded & Obligated	AMOUNT OBLIGATED PER CATEGORY	Form. Work Proj. Amount % HMP	Form. Work \$ Obligated % HMP	Form. Work Proj. Amount % HMP	Form. Work \$ Obligated % HMP	RTMs Complete			
A	\$0	\$885,181	17	\$988,403	0	10	10	\$466,407	\$0	\$0	\$0	\$0	\$0	0 (0)			
B	\$0	\$171,030	6	\$79,464	0	2	2	\$36,040	\$0	\$0	\$0	\$0	\$0	N/A			
C	\$0	\$401,012	0	\$0	0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	N/A			
D	\$0	\$0	0	\$0	0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	N/A			
E	\$0	\$21,422	0	\$0	0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	N/A			
F	\$0	\$1,884,935	1	\$3,249	0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	N/A			
G	\$0	\$125,302	0	\$0	0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	N/A			
Z	\$0	\$72,087	7	\$23,277	0	3	3	\$1,480	\$0	\$0	\$0	\$0	\$0	N/A			
<b>Total</b>	<b>\$0</b>	<b>\$3,540,854</b>	<b>31</b>	<b>\$874,393</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>\$503,938</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>0 (0)</b>			
Lane	Exp. & Cat Z	Comp. Work	Standard	Specialized	AMOUNT OBLIGATED PER LANE												
	N/A	N/A	N/A	N/A	\$20,556	0	3	\$1,480	\$0	\$0	\$0	\$0	\$0	\$0			
	N/A	N/A	N/A	N/A	\$0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	N/A	N/A	N/A	N/A	\$0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	N/A	N/A	N/A	N/A	\$0	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			

Data Sources: PA Grants Manager - Data as of: 06/04/2018 17:16 EDT (Change/Delta since: 06/03/2018 17:16) | EDW/EMMIE - Data as of: 06/04/18 @ 00:00  
 \* Count of All Records (Includes Versions)  
 † Process Steps that were added to Grants Manager during operations, so may not include all Projects that moved through the step.  
 †† PWS Notified includes ONLY PWS that are notified AND budgetable. This field was modified 4/3/18  
 For information on the data included in this report, click HERE