

State Costs Associated With Remote Sensing Imagery Requests

FEMA REMOTE SENSING WEBSITE: <https://gis-fema.hub.arcgis.com/pages/remote-sensing-resources#NICB>

What	How Provided	Cost If State Orders	Cost to State if FEMA Orders	Mission Assignment	How Developed
National Technical Means (NTM) (classified systems used for domestic purposes)	Under review. NGA approves sharing of down-sampled, literal Imagery Derived Products at the unclassified level, not original images.	Always Free but NTM is a last resort only when commercial imagery is not available and the incident merits national assets, in competition with global requirements.	Always Free.	FEMA does not write a Mission Assignment or contract for these assessments yet provides a formal request to NGA.	The Region and JFO geospatial leads work with the State to develop the AOIs and priorities.
Commercial Optical Satellite Imagery: EOCL	For example, <ul style="list-style-type: none"> ● MAXAR ● Planet ● BlackSky 	Free. If acquired under a NRO EOCL license. It cannot be used for legal applications unless it is purchased via a license upgrade.	Free. If acquired under a NRO ECOL license.	Formal request from FEMA/ Lead Federal Agency through DHS DRO, NGA, to NRO.	The Region and JFO work with the State to develop the AOIs and priorities.
Commercial Radar Satellite Imagery: (Strategic Commercial Enhancements Broad Agency Announcement (BAA) Framework.)	For example, <ul style="list-style-type: none"> ● Airbus, U.S. ● Capella Space ● ICEYE, U.S. ● PredaSAR ● Umbra ● Radarsat 2 ● Radarsat Constellation (not avail to USG) 	Maybe a 25% cost share – this depends on variables. Request still must be acceptable by the FEMA Ops Chief and FCO. The difference between MAs depends on who is requesting, who it's supporting and what it's designed for.	Free - Federal Operating Support is basically support to FEMA and there is no cost share for the state; however, FEMA always shares the imagery with the state.	Formal request from FEMA/ Lead Federal Agency through DHS DRO, NGA, to NRO.	The Region and JFO work with the State to develop the AOIs and priorities.
Aircraft	For example, <ul style="list-style-type: none"> ● DHS / CBP ● Civil Air Patrol ● National Guard ● Commercial aerial imagery 	Maybe a 25% cost share – this depends on variables. Request still must be acceptable by the FEMA Ops Chief and FCO. The difference between MAs depends on who is requesting, who it's supporting and what it's designed for.	Free - Federal Operating Support is basically support to FEMA and there is no cost share for the state; however, FEMA always shares the imagery with the state.	FEMA Region or HQ submits MA. States can request CAP via corporate missions, without FEMA approval.	The Region and JFO work with the State to develop the AOIs and priorities.
State Owned Assets	<ul style="list-style-type: none"> ● DNR ● State Patrol 				

Notes:

1. Very early in the disaster, the cost share may be waived – making all requests free.
2. Typical TOTAL costs:
 - a. Clay County request for 1' ortho-rectified aerial imagery (typically from a private vendor) = \$88,000.
 - b. RadarSAT image x 3 images for the Red River Basin = \$23,600
 - c. CAP mission from Twin Cities, flight to Fargo-Moorhead, image Red River, return to Twin Cities, deliver imagery = \$2,614
3. If a state's Areas of Interest (AOI) falls within a request for imagery originating from the FEMA Regional headquarters or JFO, there is no charge to the state for that same imagery.
4. If a state AOI doesn't have specific value to the total response effort and is submitted using an Action Request Form (ARF), FEMA will make sure the state knows the state part cost and allow mission refusal before ordering the imagery.