

**STATE OF VERMONT
PUBLIC UTILITY COMMISSION**

Case No. 26-__-PET

Petition of Green Mountain Power for a Certificate of Public Good, pursuant to 30 V.S.A. § 248, authorizing the relocation and rebuild of the Taftsville Substation and related facilities in the Towns of Woodstock, Hartford, and Hartland, Vermont	
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PUC RULE 5.403(A)(16) INDEX

Criteria	Testimony & Exhibits
30 V.S.A. § 248(b)(1) – Orderly Development of the Region	Upton pf. at 4-8; Exhibit GMP TOU-1 (Town and regional plan excerpts); Exhibit GMP TOU-6 (Aesthetics Report) , at Appendix D (Town and Regional Plan Excerpts)
30 V.S.A. § 248(b)(2) – Need	Hassan pf. at 5-12
30 V.S.A. § 248(b)(3) – System Stability and Reliability	Hassan pf. at 12
30 V.S.A. § 248(b)(4) – Economic Benefit	Hassan pf. at 12-13
30 V.S.A. § 248(b)(5) – Aesthetics, historic sites, water purity, natural environment, use of natural resources, public health and safety, primary agricultural soils, greenhouse gas impacts	Fiske pf. at 17; Upton pf. at 8-19; Exhibits GMP TOU-2 (VHB Natural Resources Report) , GMP TOU-3 (NE ARC Archaeological Resource Assessment) , GMP TOU-4 (VHB Above-ground Historic Resources Report) , GMP TOU-5 (Sound Study Report) , and GMP TOU-6
10 V.S.A. § 6086(a)(1) – Water and Air Pollution (including noise)	Upton pf. at 9-10; Exhibit GMP TOU-5
10 V.S.A. § 6086(a)(1)(A) – Headwaters	Upton pf. at 10; Exhibit GMP TOU-2, page 3, Attachment 2
10 V.S.A. § 6086(a)(1)(B) – Waste Disposal	Upton pf. at 10-11; Exhibit GMP TOU-2, page 3, Attachment 2
10 V.S.A. § 6086(a)(1)(C) – Water Conservation	Upton pf. at 12
10 V.S.A. § 6086(a)(1)(D) – Floodways	Upton pf. at 12; Exhibit GMP TOU-2, page 3, Attachment 2
10 V.S.A. § 6086(a)(1)(E) – Streams	Upton pf. at 12; Exhibit GMP TOU-2, page 4, Attachments 1 and 2
10 V.S.A. § 6086(a)(1)(F) – Shorelines	Upton pf. at 13; Exhibit GMP TOU-2, page 4, Attachments 1 and 2

10 V.S.A. § 6086(a)(1)(G) – Wetlands	Upton pf. at 13; Exhibit GMP TOU-2, pages 4-5, Attachments 1 and 2
10 V.S.A. § 6086(a)(2) and (3) – Water Supply	Upton pf. at 13-14
10 V.S.A. § 6086(a)(4) – Soil Erosion	Upton pf. at 14, Exhibit GMP TOU-2, Attachment 2
10 V.S.A. § 6086(a)(5) – Transportation Systems/Traffic	Upton pf. at 14
10 V.S.A. § 6086(a)(6) – Educational Services	Upton pf. 15
10 V.S.A. § 6086(a)(7) – Municipal Services	Upton pf. at 15
10 V.S.A. § 6086(a)(8) – Historic Sites	Upton pf. at 16; Exhibit GMP TOU-3; Exhibit GMP TOU-4
10 V.S.A. § 6086(a)(8) – Aesthetics	Upton pf. at 15; Exhibit GMP TOU-6
10 V.S.A. § 6086(a)(8) – Rare and Irreplaceable Natural Areas	Upton pf. at 16; Exhibit GMP TOU-2, pages 5-6, Attachment 2
10 V.S.A. § 6086(a)(8)(A) – Wildlife Habitat and Endangered Species	Upton pf. at 17-18; Exhibit GMP TOU-2, pages 6-7, Attachment 2
10 V.S.A. § 6086(a)(9)(K) – Public Investments	Upton pf. at 18-19
30 V.S.A. § 248(b)(5) – Primary Agricultural Soils	Upton pf. at 19; Exhibit GMP TOU-2, page 7, Attachment 2
30 V.S.A. § 248(b)(5) – Greenhouse Gas Emissions	Upton pf. at 19
30 V.S.A. § 248(b)(6) – Consistent with Approved Least Cost Integrated Plan	Hassan pf. at 13
30 V.S.A. § 248(b)(7) – Compliance with the Vermont Electric Plan	Hassan pf. at 14
30 V.S.A. § 248(b)(8) – Outstanding Resource Waters	Upton pf. at 19; Exhibit GMP TOU-2, Attachment 2
30 V.S.A. § 248(b)(10) – Impact on Vermont Utilities and Customers	Hassan pf. at 14
PUC Rules 5.403(A)(3) and 5.403(A)(20) summary of comments to 45-day notice, and community outreach	Hassan pf. at 15-16
PUC Rule 5.403(A)(7)(b) – project boundaries and distance to nearby residences and structures	Exhibit GMP JRF-3 (Proposed Substation Site Plan) shows project boundary for new substation. Exhibit GMP TOU-5, at pages 4-6, shows residences closest to the new substation location with distances calculable per scale. Exhibit GMP TOU-4, at pages 8-11 and Attachment 1 shows residences nearby the project with distances calculable per scale.
PUC Rule 5.403(A)(7)(e) – scope of soil disturbance	Fiske pf. at 17
PUC Rule 5.403(A)(7)(f) – existing natural and constructed features (including but not limited to water bodies and wetlands and associated buffer zones, tree lines, primary agricultural soils, buildings, and roads);	Exhibit GMP TOU-2, Attachment 1

PUC Rule 5.403(A)(7)(g) a depiction of any area(s) where vegetation is to be cleared or altered, including the limits of disturbance and the total acreage of any disturbed area	Exhibit GMP JRF-3 (Proposed Substation Site Plan) shows clearing limits for new substation. Exhibit GMP TOU-2, at page 2 provides acreage of tree/brush removal for the Project.
PUC Rule 5.403(A)(7)(h) – locations of proposed fencing, exterior lighting, signs and aesthetic mitigation measures such as berms and landscape plantings	Exhibit GMP JRF-3 (Proposed Substation Site Plan) and the elevation drawings in Exhibits GMP JRF-5 through JRF-8 (Elevation Drawings) show the locations of proposed fencing, exterior lighting for new substation proposed. No landscape mitigation plan is proposed. See Exhibit GMP TOU-6.
PUC Rule 5.403(A)(7)(i) – the latitude and longitude coordinates at the center of the proposed project site	Exhibit GMP TOU-2, Attachment 1
PUC Rules 5.403(A)(10) and (A)(13)(d) – documentation showing existing and proposed conditions and the height of project features in relation to existing buildings, vegetation, and tree tops	Cross sections of the new proposed substation are provided in Exhibits GMP JRF-5, JRF-6, JRF-7, and JRF-8. Exhibit GMP TOU-6, Appendix C provides a cross section of the new substation in relation to existing vegetation. *Per PUC Rules 5.404(B)(4) and (B)(6), GMP has provided plan and profile drawings for the linear portions of the Project. See Exhibit GMP JRF-12A (TL105 & TL107 P&P); Exhibit GMP JRF-12B (TL108 P&P)
PUC Rules 5.403(A)(11) – presence of and impacts to primary agricultural soils	Upton pf. at 19; Exhibit GMP TOU-2, at 7, Attachments 1 and 2