Two Rivers-Ottauquechee Region of Vermont

FUTURE LAND USE
TRORC Board designated future land use areas

Map 3 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020

LANDUSE AREAS
- RURAL
- MIXED USE
- INDUSTRIAL
- HAMLET
- INTERCHANGE AREA
- REGIONAL CENTER
- TOWN CENTER
- VILLAGE SETTLEMENT
- FOREST BASED RESOURCES

Legend:
- US Route
- TH cls 1
- TH cls 2
- State HWY
- Interstate
Two Rivers-Ottauquechee Region of Vermont

AGRICULTURE SOILS
USDA Prime, Statewide and Local Soil Designations

Map 4 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020
Two Rivers-Ottauquechee Region of Vermont

NATURAL RESOURCES
Rare, Threatened, Endangered Species & Natural Communities
Significant Natural Communities
Uncommon Species and Other Features
Highest Priority Interior Forest Blocks
Highest Priority Connectivity Blocks

Map 5 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020

Uncommon Species and Other Features
Significant Natural Communities
Rare, Threatened, Endangered Species & Natural Communities
Highest Priority Interior Forest Blocks
Highest Priority Connectivity Blocks

Legend:
- US Route
- TH cls 1
- TH cls 2
- State HWY
- Interstate
Two Rivers-Ottawaquechee Region of Vermont
Watersheds and River Corridors
Watersheds
VT State River Corridor designations

Map 6 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020

State River Corridors
Watersheds
Sub Watersheds
Two Rivers-Ottauquechee Region of Vermont

Water Resources and Protection
Surface Source Protection Areas
Groundwater Source Protection Areas
Vermont Significant Wetlands Inventory
Water Systems
Sewer Systems

Map 7 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020
Two Rivers-Ottauquechee Region of Vermont

Regionally Significant Transportation Facilities

Park and Rides
Transit Providers & Rail
AT and Long Trails
Bike Lanes and Paths
Federal & State Highway Systems

Map 8 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020
Two Rivers-Ottauquechee Region of Vermont

Existing Energy Generation
Biomass, Hydroelectric, Solar, Substations, 3-Phase Power Lines, and Transmission Lines

Map 10 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020
Hydroelectric Energy Potential
Operational Hydroelectric Facilities & Potential Hydroelectric Facilities

Map 11 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020

Two Rivers-Ottauquechee Region of Vermont

Methodology: This map shows areas of resource potential for renewable energy generation from hydroelectric facilities. Site identification is existing dams that could be developed for hydroelectric generation as well as active hydroelectric facilities. Rare/Irreplaceable Natural Areas (RINAs) are significant natural communities. They do not include the following risk descriptions: uncommon to common breeder in VT, uncommon to common, not applicable, unrankable, unrankable breeding population, and extirpated.

Hydroelectric Constraint Description:
- Rare/Irreplaceable Natural Areas (RINAs) are significant natural communities. They do not include the following risk descriptions: uncommon to common breeder in VT, uncommon to common, not applicable, unrankable, unrankable breeding population, and extirpated.

Hydroelectric Energy Potential Map 11 of 14

Operational Hydroelectric Facilities

Stressed Waters
• <50 kW Capacity
• >50 kW Capacity

High Hazard with
• <50 kW Capacity
• >50 kW Capacity

Transmission Lines
3 Phase Power Lines
Substations

US Route
TH cls 1
TH cls 2
State HWY
Interstate

Rare/Irreplaceable Natural Areas (RINAs)

Hydroelectric Constraint Description:
- Rare/Irreplaceable Natural Areas (RINAs) are significant natural communities. They do not include the following risk descriptions: uncommon to common breeder in VT, uncommon to common, not applicable, unrankable, unrankable breeding population, and extirpated.
Woody Biomass

Biomass Energy Potential

Two Rivers-Ottauquechee Region of Vermont

Map 12 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020

Methodology: This map shows areas of potential for woody biomass production and harvest. The map also illustrates other conditions that may limit the feasibility of extensive harvesting of wood for energy use. These limiting factors are referred to as constraints. The map does not show areas where other types of biomass, such as biomass from grasses or agricultural residue, could be grown/harvested.

Constraints: Physical features or resources that make extensive harvesting infeasible are considered Level 1 constraints. Level constraints include: FEMA floodways, river corridors, federal wilderness areas, rare and irreplaceable natural areas (RINAs), wetland class 1 and 2. Class 3 and 4 wetlands are considered Level 2 constraints. Areas where extensive harvesting is feasible are considered Level 3 constraints. Level constraints include: forested areas, agricultural land, and other land use that is not suitable for extensive harvesting.

Biomass: Woody biomass includes wood fuels such as wood from trees, stumps, and branches. Woody biomass can be used for energy production through the process of combustion, gasification, or pyrolysis. Woody biomass can also be used for other purposes such as soil improvement and wildlife habitat enhancement.
Solar Energy Potential

Prime solar, solar with constraints, prime solar within 1 mile of 3 phase transmission lines, and RAW solar

Map 13 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020

SOLAR POTENTIAL

Prime
Constraints
Prime 1m 3phase
RAW solar
Substations
3 Phase Power Lines
Transmission Lines

Legend
US Route
TH cls 1
TH cls 2
State HWY
Interstate

Note: This map shows areas of potential electricity generation from solar energy. It includes areas with good access to solar radiation, modern transmission and distribution infrastructure, and no known constraints. Additional constraints are shown, and all layers are subject to change.
Wind Energy Potential
Prime wind, wind with constraints, prime wind within 1 mile of 3 phase transmission lines, and RAW wind

Map 14 of 14
2020 Regional Plan
Adopted July 15, 2020, Effective August 19, 2020