UNITED STATES OF AMERICA

BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

FINAL APPLICATION FOR NEW LICENSE FOR MAJOR PROJECT – EXISTING DAM

EXHIBIT G – PROJECT BOUNDARY MAPS

Prepared by: Gomez and Sullivan Engineers

July 2020

GREGORY B. JARVIS PROJECT RELICENSING

FERC NO. 3211

NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

Table of Contents

1 Detailed Maps

Exhibit G provides maps showing the Project boundary enclosing the Gregory B. Jarvis Power Project (Project), as described in Exhibit A. The maps conform to the requirements of Section 4.41(h) of the Federal Energy Regulatory Commission's (FERC or the Commission) regulations. Maps of the Project Area showing principal Project features and the Project boundary are included.

2 Project Boundary

The Project boundary is shown on the attached Exhibit G maps. The Project boundary includes all lands necessary for operation and maintenance of the Project. The Applicant possesses property or easement rights to all areas associated with the defined Project boundary.

The Applicant is proposing modifications to the current Project Boundary. The proposed Project boundary has been extended to include the Power Authority Boat Launch parking lot, the access road leading from NYS Route 365 to the Powerhouse, and the Project interconnection point at the switchyard north of NYS Route 365. The addition of this FERC mandated facility increases the Project boundary to 2,799 acres. The proposed Project boundary is shown on the attached Exhibit G maps.

3 Federal Lands

There are no public lands or reservations of the United States within the Project boundary.

4 Non-Federal Lands

The Power Authority has acquired, either through fee, easement, or lease, all land rights necessary to operate the Project. Land to which the Power Authority holds title or right is identified on the attached Exhibit G maps.

5 Project Boundary Data

Point No.	Direction	Distance (feet)	NAD83 New York State Plane East	
			North (feet)	East (feet)
1			1629422.686	330344.3277
	N 88-34-57 W	242.7		
2			1629428.69	330101.7015
	S 49-9-46 W	186.884		
3			1629306.484	329960.3111
	N 75-52-49 W	186.78		
4			1629352.049	329779.174
	N 53-55-20 E	255.274		
5			1629502.376	329985.4911
	N 53-55-19 E	122.824		
6			1629574.705	330084.7596
	N 0-11-28 W	2266.172		
7			1631840.864	330077.2058
	N 88-57-42 W	67.752		
8			1631842.092	330009.4652
	N 88-57-43 W	70.766		
9			1631843.374	329938.7107
	N 46-6-29 W	72.263		
10			1631893.474	329886.6347
	N 89-53-19 W	30.175		
11			1631893.532	329856.4602
	N 4-23-31 W	282.208		
12			1632174.912	329834.8497
	S 81-24-25 W	256.688		
13			1632136.558	329581.0431
	N 88-44-20 W	276.109		
14			1632142.635	329305.0013
	N 33-20-26 W	39.485		
15			1632175.621	329283.2999
	R = 1032.53	L = 224.41		
16			1632177.357	329507.2585
	S 3-22-0 E	14.783		
17			1632162.6	329508.1266
	R = 1258.07	L = 540.50		
18			1632354.44	330008.9944
	R = 1623.51	L = 82.86		
19			1632412.46	330068.1389
	N 5-9-34 W	88.171		

Point No.	Direction	Distance (feet)	NAD83 New York State Plane East	
			North (feet)	East (feet)
20			1632500.274	330060.2098
	S 50-5-32 W	124.48		
21			1632420.413	329964.7238
	R = 125.81	L = 94.24		
22			1632512.426	329962.1195
	N 64-32-11 W	20.191		
23			1632521.107	329943.8902
	N 25-5-30 E	120.772		
24			1632630.482	329995.1056
	S 72-38-46 E	29.103		
25			1632621.802	330022.8834
	R = 216.82	L = 222.93		
26			1632723.364	330210.3834
	R = 967.55	L = 239.49		
27			1632521.975	330081.9112
	S 6-14-59 E	85.679		
28			1632436.805	330091.2383
	R = 1623.50	L = 293.97		
29			1632669.028	330270.8265
	N 21-22-21 E	87.749		
30			1632750.743	330302.8048
	N 27-58-16 E	198.3		
31			1632925.878	330395.8128
Tie Line	N 0-5-2 W	1596.573		
	Follows Elevation 1225' (BCD) in between points 31 and 32			
32			1634522.45	330393.4765
	N 63-59-2 W	25.04		
33			1634533.433	330370.9736
	R = 1301.72	L = 423.01		
34			1634930.467	330511.4474
	N 25-58-31 E	85.569		
35			1635007.392	330548.925
	S 74-58-56 E	99.554		
36			1634981.595	330645.079
	S 68-0-19 E	161.015		
37			1634921.292	330794.3747
Tie Line	S 4-40-45 W	5516.993		
	Follows Elevation 1225’ (BCD) within Hinckley Reservoir to point of beginning			

345000 350000 355000

1650000 1645000 1640000

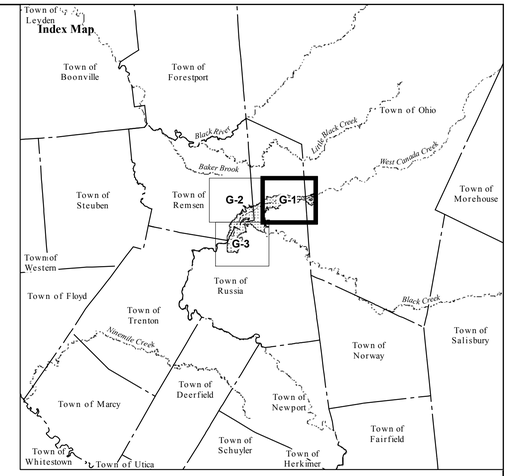
X - 342400 FT.
Y - 1650800 FT.

X - 356400 FT.
Y - 1650800 FT.

X - 356400 FT.
Y - 1639300 FT.

MARGARITE RD
FAIRVIEW DR
SILVERSTONE RD
PARDEE RD
PARDEE RD
SWALLOW RD
Kreskem Brook
Kreskem Brook
WHEELERTOWN RD
NORTHWOOD RD
LAKE SHORE RD
FIRST ST
BARNHART RD
SHORT RD
STATE ROUTE 365
WARNEY RD
Follows Elevation 1225' within Hinckley Reservoir
HINCKLEY RESERVOIR
Follows Elevation 1225' within Hinckley Reservoir
West Canada Creek
BEECHWOOD LN
WHITE BIRCH LN
RED MAPLE LN
BLACK CHERRY LN
WHITE BIRCH LN
Follows Elevation 1225' within Hinckley Reservoir
Town of Ohio
Town of Russia
FLY BROOK RD
BRADY BEACH RD
BRADY BEACH RD
WHITE PINE LN
DOW RD
Remus Brook
HEMSTREET RD
Remus Brook
ED SMITH RD
STORMY HILL RD

Index Map



Legend

- FERC Project Boundary
- Project Boundary Points (See Table for metes and bounds)
- Body of Water
- Reference Point
- Formal Recreation Site (NYPA Managed)

GENERAL NOTES:

1. The project boundary depicted herein is based largely on a certain map entitled "State of New York Department of Transportation, Map Showing Abandoned Hydroelectric Easement Over Barge Canal Lands in the Towns of Trenton, Remsen, Russia & Ohio, Counties of Oneida and Herkimer" filed in the records of the Power Authority of the State of New York as "Jarvis Project, Power Authority of the State of New York, Map No. OT-1, Parcel No. 1", dated December 19th, 1983.

2. All lands and waters within the project boundary depicted herein are controlled through a hydroelectric easement conveyed to the Power Authority of the State of New York by the People of the State of New York by indenture dated March 21, 1984, recorded in the Department of State in Volume 26 of Miscellaneous Records at Page 72.

3. The map projection for Sheets 1 through 3 is the New York State Plane Coordinate System, East Zone, units U.S. survey feet.

4. The horizontal datum for the base map data on Sheets 1 through 3 is the North American Datum of 1983, also known as NAD '83.

5. The vertical datum for this Exhibit G is the Barge Canal Datum (BCD).

6. The project boundary perimeter description is contained in the Exhibit G Project Boundary Description Table with the Final License Application.

7. The portion of the project boundary defined by elevation contour 1225' BCD was developed through photo interpretation using digital orthophotography that meets or exceeds the accuracy requirements in 18CFR4.41. Photo interpretation is inherently subjective. No field surveys have been performed to confirm the boundary locations shown herein.

I CERTIFY THAT THE PROJECT BOUNDARY DELINEATION SHOWN HEREON IS DEVELOPED FROM RECORD PLANS, MAPS, AND DIGITAL ORTHOPHOTOGRAPHY IN THE FILES OF THE POWER AUTHORITY OF THE STATE OF NEW YORK AND THAT SAID BOUNDARY DELINEATION MEETS THE ACCURACY REQUIREMENTS IN 18CFR4.41 SUBJECT TO THE POTENTIAL VARIATION CITED IN GENERAL NOTE 7 ABOVE.

JON LAVERN THOMPSON N.Y.S.L.S. NO. 050248-1
SURVEYING AND MAPPING COORDINATOR
POWER AUTHORITY OF THE STATE OF NEW YORK

STATE OF NEW YORK
JON LAVERN THOMPSON
No. 050248-1
LICENSED LAND SURVEYOR

TRUE NORTH AT 74° 5' WEST LONGITUDE

New York Power Authority

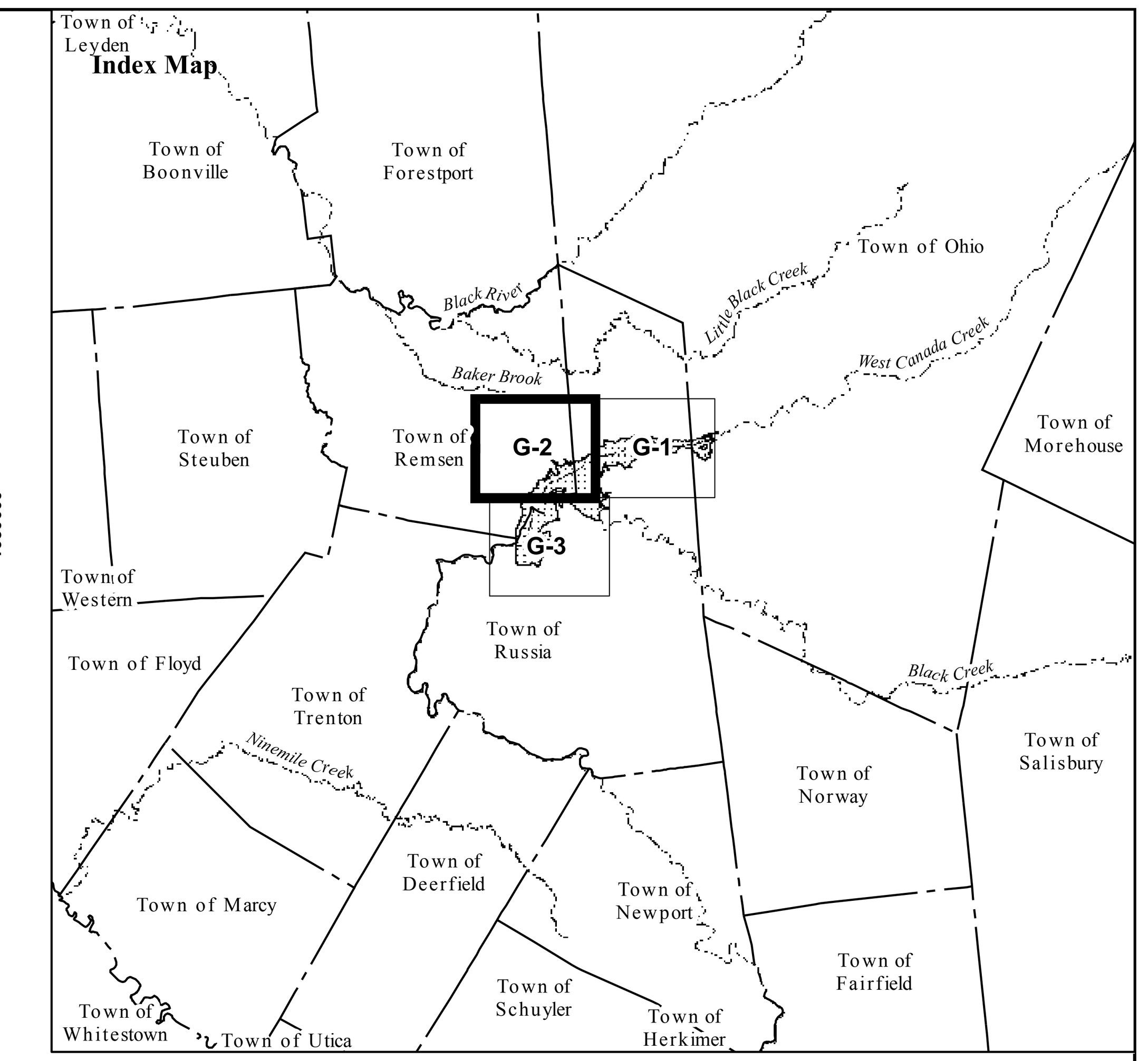
Gregory B. Jarvis Hydroelectric Project
FERC No. 3211

SHEET 1 of 3

0 300 600 1,200 1,800 2,400 Feet

EXHIBIT G-1 1 inch = 600 feet

Path: J:\maps\FLA\exhibit_g\exhibit_g_jarvis.mxd



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New York Power Authority
Gregory B. Jarvis Hydroelectric Project
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SHEET 2 of 3

0 300 600 1,200 1,800 2,400 Feet

EXHIBIT G-2

1 inch = 600 feet

330000
335000
340000
1635000
1630000
1625000

Oneida County
Herkimer County
Town of Remsen
Town of Russia
Town of Remsen
Town of Trenton
HINCKLEY RESERVOIR
Follows Elevation 1225 within Hinckley Reservoir
Follows Elevation 1225' within Hinckley Reservoir
Beaver Meadow Creek
West Canada Creek
Taynter Brook
Buttermilk Brook
Black Creek
X - 328500 FT.
Y - 1637600 FT.
X - 328500 FT.
Y - 1625900 FT.
X - 342000 FT.
Y - 1625900 FT.
JONES RD
COOKINGHAM RD
STATE ROUTE 365
FAIRVIEW LN
MAIN ST
S RIDGE RD
CADY RD
HINCKLEY RD
FIRE RD
GAUSS RD
SOUTHSIDE RD
ELM FLATS RD
BLACK CREEK RD
LANE RD
MACARTHUR RD
STORMY HILL RD
TOPPER RD
HOOKERS RD
SHADY HILL RD
SANDY LN
PINE HOLW
POND VIEW DR
RANDYS ROOST
SANDY HILL RD
ROLLING HILLS RD
SHADY LN
HUNTER POINT RD
KUYAHOORA LN
LAKEVIEW DR
SUNSET DR
NYPA Boat Launch
NYPA Boat Launch Parking Area
See Inset for Details
210' Offset from the Centerline of the top of the Embankment
1
2
3
4
5
6
31
32
33
34
35
36
37

Switchyard
Connects to Prospect Development
of the West Canada Creek Project
(FERC No. 2701)
North Embankment
Transformer
Non-Overflow Intake
Low Level Outlet
Penstock
Turbine
Tailrace
(El. 1157.5')
Jarvis Powerhouse
Spillway
Crest El. 1225'
HINCKLEY RESERVOIR
WEST CANADA CREEK
MVWA Water Withdrawal
South Embankment
Gregory B. Jarvis Power Project
210' Offset from
the Centerline of
the top of the
Embankment
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
0 50 100 200 300 400 Feet

Index Map

Town of Leyden
Town of Boonville
Town of Forestport
Town of Ohio
Town of Steuben
Town of Remsen
Town of Morehouse
Town of Western
Town of Russia
Town of Floyd
Town of Trenton
Town of Norway
Town of Salisbury
Town of Marcy
Town of Deerfield
Town of Newport
Town of Fairfield
Town of Whitestown
Town of Utica
Town of Schuyler
Town of Herkimer
Black River
Little Black Creek
West Canada Creek
Baker Brook
Nowetnik Creek
Black Creek
G-1
G-2
G-3

Legend

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Path: J:\maps\FLA\exhibit_g\exhibit_g_jarvis.mxd