PROJECT NEED AND BENEFIT & PROJECT OVERVIEW
NG-IV#2 PROJECT OVERVIEW

Permitted Up to a Double-Circuit 500kV or 500/230kV Transmission Line

- Provides second 500kV connection between existing North Gila Substation northeast of Yuma, AZ and the existing Imperial Valley Substation southwest of El Centro, CA
  - There are two 500kV lines from North Gila east and from Imperial Valley west
- Parallels existing SWPL 500kV line for most of its length
- One circuit could loop into new substation next to the existing Highline Substation (500kV or 230kV)

Additional Route Options

- Developed in response to agency input

Developer is NGIV2, LLC
NG-IV#2 PROJECT NEED & BENEFIT

Population growth and increasing energy demands in the Southwest require additional transmission grid capacity.

NG-IV#2 Transmission Line will:

- Provide additional import/export access from generation resource zones where transmission access currently is limited
- Reliable outlet for export up to 1,000 MW of renewables
- Increase diversity, reliability and efficiency of the regional grid
- Enable more energy developers to tap into the regional grid
- Provide support to greenhouse gas (GHG) reduction targets
ITC – WHO WE ARE

LEADER IN GRID DEVELOPMENT

OWNER & OPERATOR

GENERATOR CONNECTIONS

Customer-Focused Solutions

PREFERRED TRANSMISSION PROVIDER NON-TRADITIONAL INFRASTRUCTURE
OUR IMPACT TO DATE

ITC Holdings Corp. becomes first publicly-traded independent transmission company

ITC Midwest formed through acquisition of transmission assets of Interstate Power & Light

MISO releases RGOS study, validating ITC’s Green Power Express vision

ITC marks 10th anniversary, with system reliability at top quartile or better performance

• ITC announces HVDC Lake Erie Connector project
• ITC completes Michigan Thumb Loop project, largest in company’s history

ITC Midwest continues construction on MISO MVP projects #3 and #4 in Minnesota and Iowa.

2005

2007

2010

2013

2015

2017

2003

Company established as ITC Transmission with the acquisition of DTE transmission assets

2006

• Greenfield development activities begin: ITC Great Plains established
• Company acquires Michigan Electric Transmission Company (METC) from Consumers Energy

2009

• ITC announces Green Power Express wind-energy transmission vision as catalyst to advance regional transmission in upper Midwest

2012

• ITC completes KETA transmission line in Kansas

2014

• ITC completes Kansas V-Plan project in partnership with Sunflower Electric Power Corp.

2016

• ITC Holdings Corp. becomes a subsidiary of Fortis Inc.
• ITC Midwest advances four MISO MVP projects through regulatory and construction phases
$7B INVESTED IN INFRASTRUCTURE SINCE 2003

- 4 Subsidiaries in 8 states
- 15,800 Circuit miles
- 90,000 Square mile service territory
- 700 Employees
- Member of 4 RTOs:
  - MISO, SPP, PJM, NYISO
- Geographically flexible business model
- A Fortis company
  - Fortis is a leader in the North American regulated electric and gas utility industry with total assets of approximately C$47 billion as of September 30, 2017. The Corporation’s more than 8,000 employees serve utility customers in five Canadian provinces, nine U.S. states and three Caribbean countries.
ENGINEERING
STRUCTURE DESIGN: LATTICE TOWERS

Single Circuit Option

Double Circuit Option
STRUCTURE DESIGN: STEEL MONOPOLES

Single Circuit Option

Double Circuit Option
STRUCTURE DESIGN: GUYED VEE LATTICE

Single Circuit Guyed Vee Lattice
TYPICAL SUBSTATION
ENGINEERING INFORMATION

Typical Design Details:

- Approximate Substation Footprint: 800’ x 700’
- Typical Transmission Structure Heights: 120’-170’
- Typical Monopole Foundation Diameter: 8-12’
- Typical Lattice Tower Footprint: 50’ x 50’
- Typical Guyed Vee Footprint: 160’ x 160’
- Typical Transmission Right-of-Way Width: 200’-300’
- Approximate Transmission Line Length: 80-95 miles
ENVIRONMENTAL & PERMITTING
ROW Grant from BLM
- ROW application submitted and accepted - 2010
- Developed Plan of Development (POD) - 2012
- Pre-NEPA planning for Environmental Impact Statement (EIS) - 2013-2014
- NEPA Process Reinitiated – 2017
- NOI expected mid-2018

CEQA Compliance
- Imperial County contacted regarding CUP / CEQA lead – 2014
  - Reaffirmed 2017
- CUP application – in process

BLM / County working together in joint NEPA / CEQA process
NGIV2 Project will require permits / approvals and involvement of several agencies and jurisdictions

Potential Permits / Approvals
- Federal ROWs
- Conditional Use Permit (Imperial County)
- Certificate of Environmental Compatibility (AZ)
- Endangered Species Act (ESA)
- Section 404 Permit
- Section 10 Permit
- Streambed Alteration Permit
- CA ESA approval
- Fugitive Dust Permits
- Stormwater Permits
- Canal / Road Crossing Permits

Involved Agencies and Jurisdictions
- Bureau of Land Management (BLM)
- Bureau of Reclamation (BoR)
- Bureau of Indian Affairs (BIA)
- Army Corps of Engineers (ACOE)
- Department of Defense (DoD)
- US Fish and Wildlife Service (USFWS)
- US Border Patrol
- Arizona Corporation Commission
- California Department of Fish and Wildlife (CDFW)
- Arizona Department of Game and Fish (ADGF)
- Air Quality Agencies (AZ and CA)
- Water Quality Agencies (AZ and CA)
- State Historic Preservation Offices (AZ and CA)
- State Land Departments (AZ and CA)
- Imperial County
- Yuma County
- Tribes (Quechan, Cocopah, other regional tribes)
RIGHT OF WAY ACQUISITION ACTIVITIES

- Title Reports
- Survey
- Appraisals and Market Study
- Offer Letters
- Negotiation
- Escrow
- Record Easement
# PROPOSED PROJECT SCHEDULE

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<td>Planning and WECC Rating Process</td>
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INTERACTIVE MAPPING
COMMENTS