

ITC: WORKING FOR THE GREATER GRID

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FOR THE GREATER GRID

ELECTRIC GRID 101

Three-part power system:

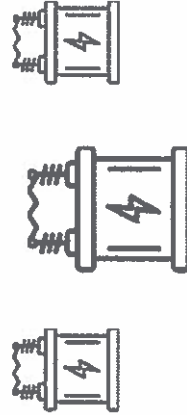


ITC PROFILE

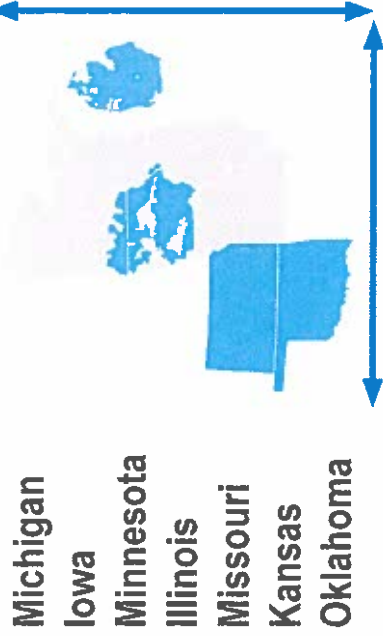
16,000 MILES
of transmission lines



565 stations and
substations



90,000-SQUARE MILE
Service Territory



700+ employees, and
1,000+ skilled labor
contractors



Member of **4 RTOS**

ITC MICHIGAN



- ITC Transmission
- METC



ITC Transmission & Michigan Electric Transmission Company (METC)

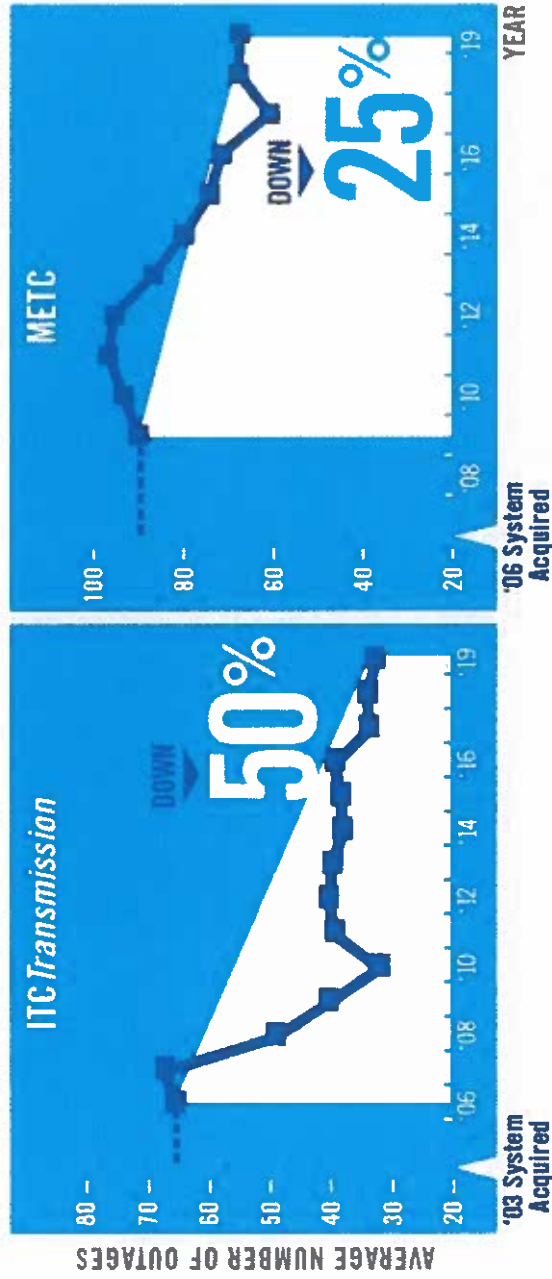
- ~8,700 miles of line serving Lower Peninsula
- 120kV - 345kV range
- Top-tier system reliability
- ~570 Employees



GREATER RELIABILITY, FEWER OUTAGES

OUTAGE DECREASE UNDER ITC OWNERSHIP

ITC MICHIGAN | 3-year rolling averages

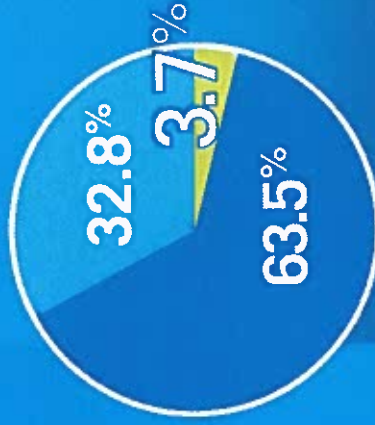


TRANSMISSION: SMALLEST PORTION OF BILL DELIVERS BIG BENEFITS

INSIDE AN ELECTRIC BILL

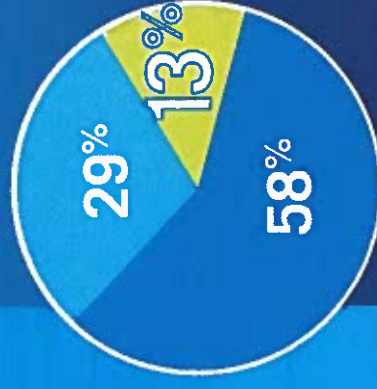
Typical Monthly
Residential Bills:
MICHIGAN
Usage: 500kWh/month

Source: Michigan Public Service
Commission 2019 data



Major Components of
U.S. AVERAGE
Electricity Price, 2019
(Cents per kWh and
Share of Total)

Source: U.S. Energy Information
Administration



KEY IMPACTS: MICHIGAN



CUSTOMER SAVINGS:

ITC Michigan saved customers **\$220 million/yr.** thanks to reduced electricity production and delivery costs, and improved quality of service.



JOB CREATION:

ITC Michigan's investments in its footprint support approximately **2,500 jobs annually**



LOCAL SPENDING:

Spending in local economies from direct investments and other economic activities has increased by **\$240 million/yr.**



TAX REVENUES:

Benefitting local, state, and federal entities, tax revenues generated by ITC's investments and activities amount to more than **\$49 million/yr.**

Energy Landscape Continues to Evolve

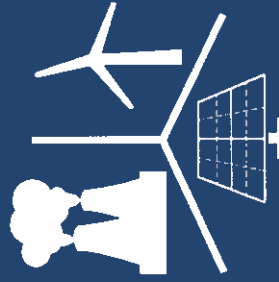
EXTREME
WEATHER
EVENTS



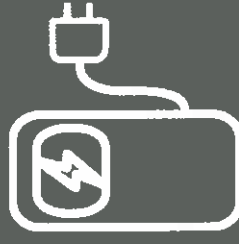
INCREASED
CONSUMER
DEMANDS



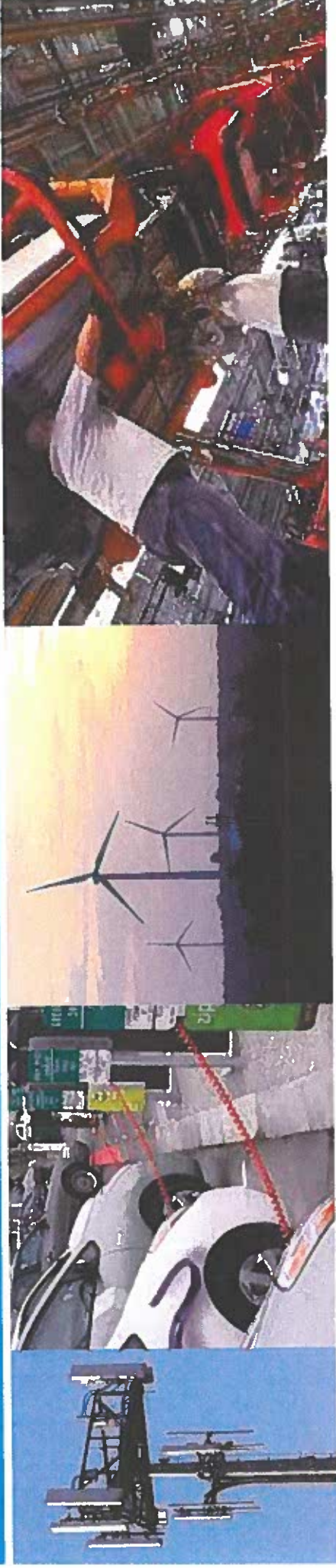
CHANGING
GENERATION MIX



NEW
TECHNOLOGY



FLEXIBLE, ACCESSIBLE GRID NEEDED



NEW DEMANDS AND USES

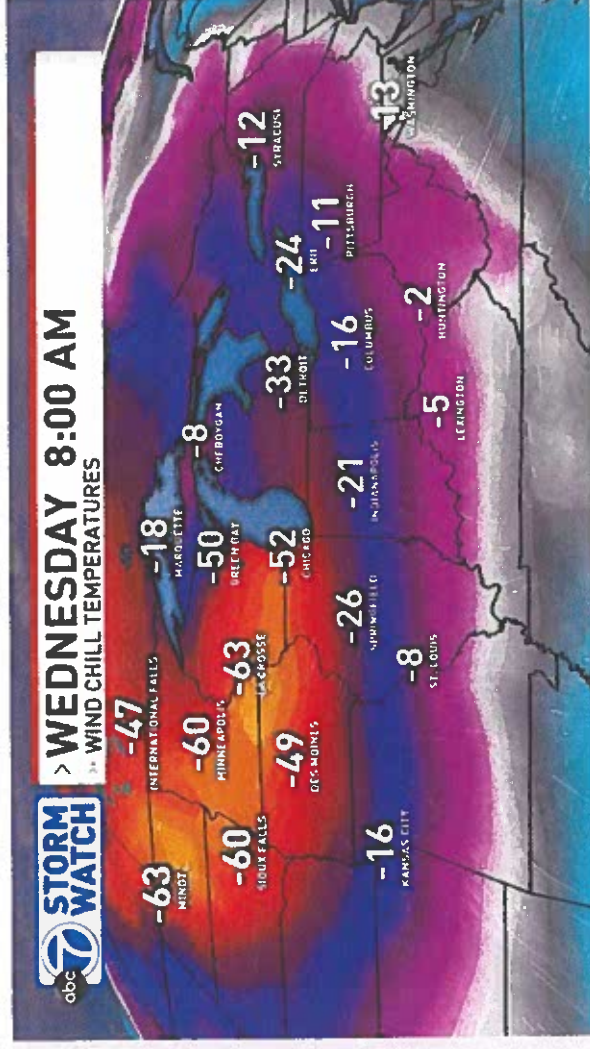
Modern, interconnected grid needed to support 21st century technology and policy developments

- Distributed generation
- Demand response
- Efficiency programs
- Electric vehicles
- Renewable energy mandates

EXTREME WEATHER EVENTS

MICHIGAN POLAR VORTEX: JANUARY 2019

- Extremely low temperatures
- Exported up to 10% of generation
- Avoided capacity shortfall
- Wind output in MI near capacity

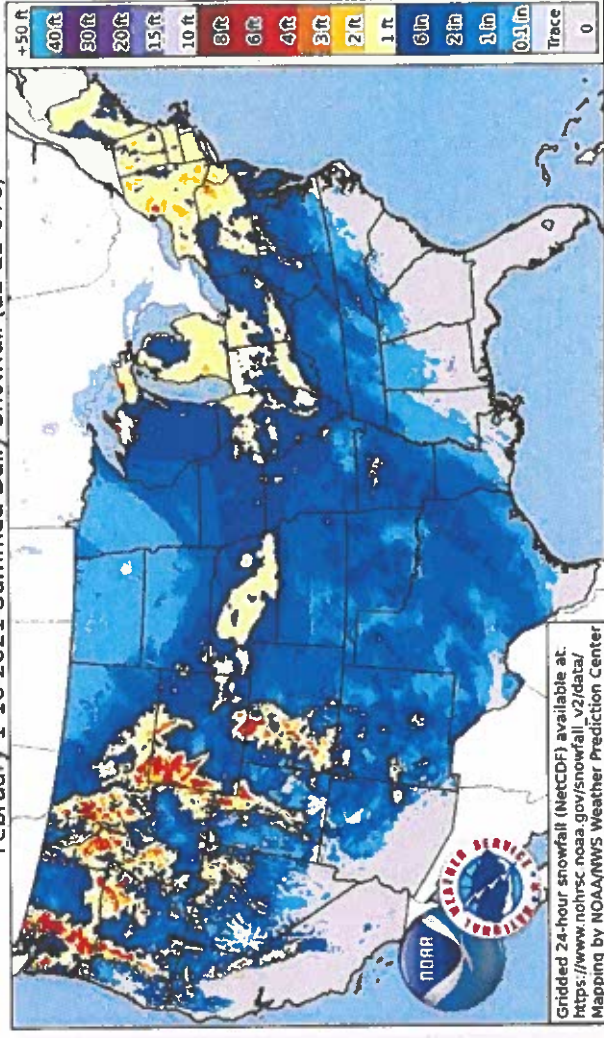


EXTREME WEATHER EVENTS

SEVERE WINTER WEATHER: FEBRUARY 2021

- Exported up to 13% of generation
- Little to no congestion on the system
- Highlighted need for:
 - grid versatility – import/export
 - regional and interregional capacity

February 1-16 2021 Summed Daily Snowfall (12-12 UTC)



Evaluating System Solutions

IMPORT
CAPACITY



LONG RANGE
TRANSMISSION
PLANNING

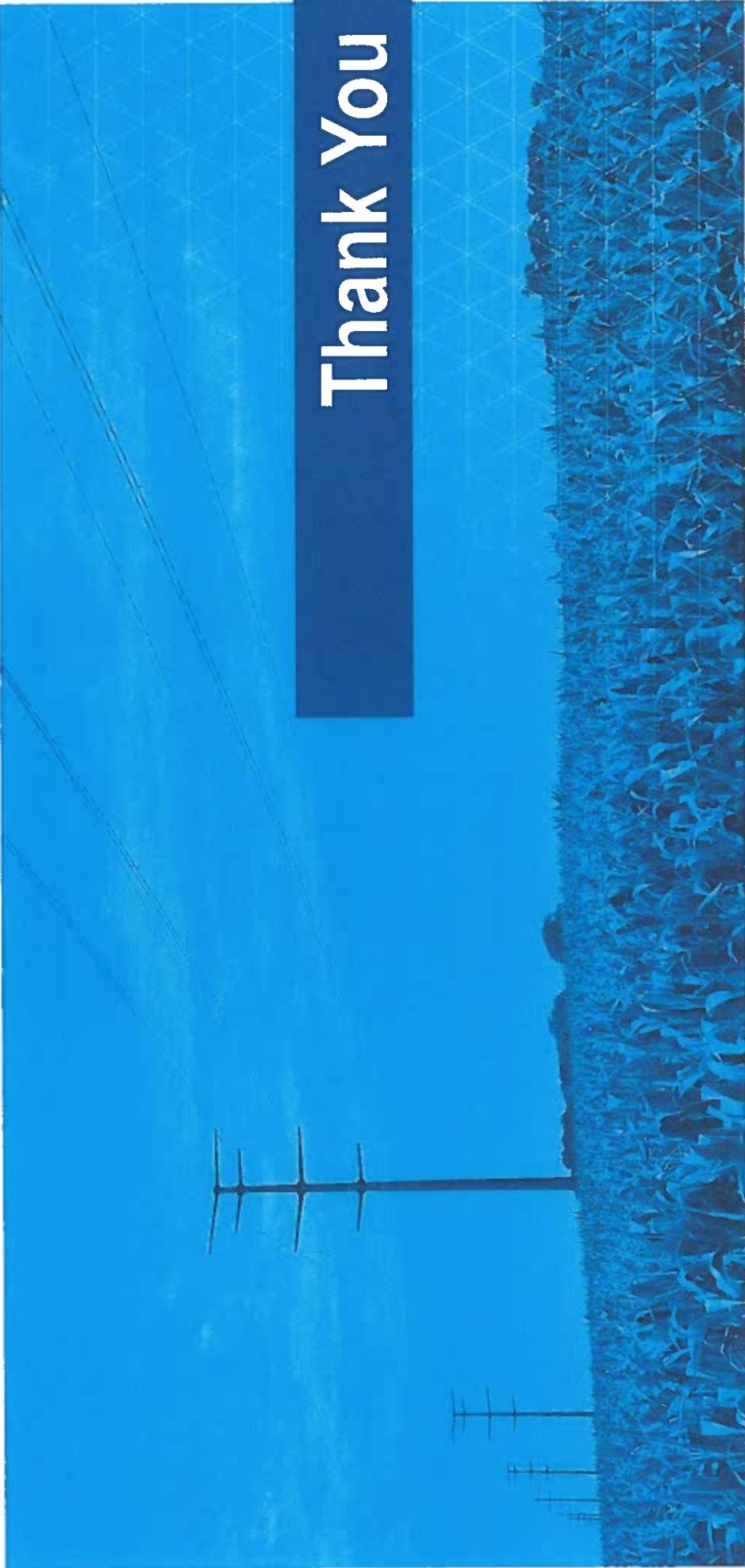


STORAGE



SB 103 (TIPA): ADDRESSING CHALLENGES IN MICHIGAN

- Ensure that utilities with a proven track record in the state are allowed to construct any future high-voltage transmission projects
- Provides benefits in terms of efficiency, planning, development, operation, and maintenance of the grid
- Protects landowner interests
- Allows ITC (and other incumbent TO's) the opportunity to build the right grid the first time
- Does not prevent other utilities from securing transmission assets in the future



Thank You