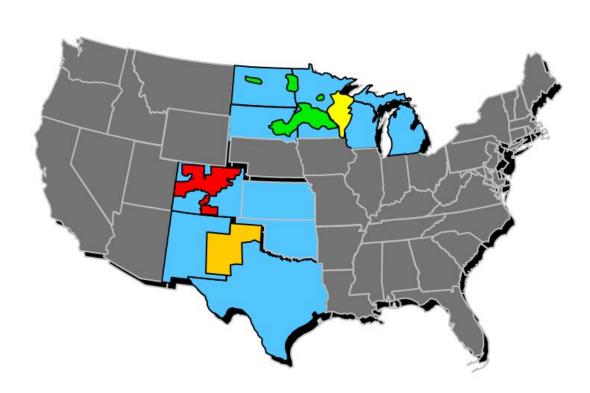


XCEL ENERGY INC.



- Major integrated utility
 - Generation
 - Transmission
 - Distribution
 - Gas
- No. 1 wind energy provider
- Top 5 in Energy Efficiency programs
- Industry-leading voluntary emission reductions



XCEL ENERGY TRANSMISSION



- Industry leader in transmission
- 19,000 transmission line miles
- 1,200 substations
- Assets in 10 states
- 2 RTOs (MISO & SPP); Non-RTO west
- 3 NERC Regions
- \$4.5 billion investment 2015-2019

- Maintain in-house capability to execute all phases of a transmission project
- Frontline control and ownership of project risk to achieve the Best Value Delivery Model
- Extensive experience in delivering major transmission build outs
- Safety woven into everything we do







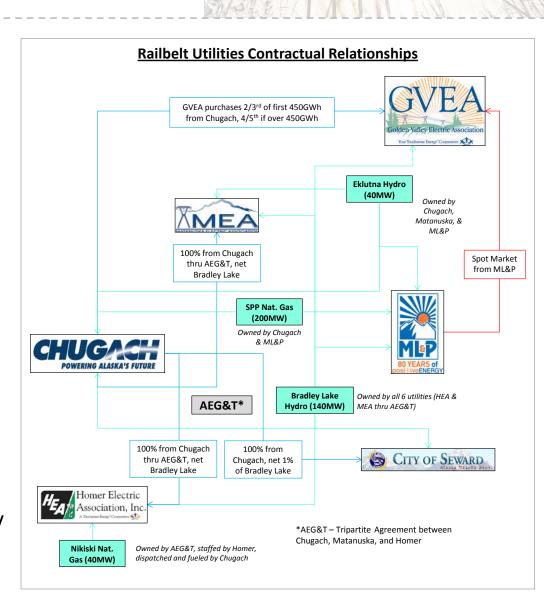






Our understanding

- Current state system result of individual utility system planning
- Multiple contractual relationships in-place between the Alaskan Railbelt utilities
- Utilities have added generation reserves to address the lack of transmission
- Customers have energy cost concerns
- Regional transmission plus economic dispatch are needed to lower electricity costs, increase reliability, and enable energy supply options





Our understanding

- Utilities, through ARCTEC, appear to have made good progress to organize and set the groundwork to form a Unified System Operator (USO)
- Guiding principles have been set & are sound:
 - Governance based on a stakeholder process
 - Regulatory Commission of Alaska jurisdiction / regulatory compact
 - Nationally recognized reliability standards
 - Set interconnection standards
 - Plan system upgrades
 - Non-discriminatory access and service
 - Economic dispatch
 - Respects existing agreements and investments

Source: Grid Restructuring and Open Access presentation to Special House Committee on Energy

 Independent system operator is needed to deliver the full economic benefits of a unified Alaska system



Grid Restructuring and Open Access

Presentation to Special House Committee on Energy February 12, 2015

Alaska Railbelt Cooperative Electric and Transmission
Company

David A. Gillespie Chief Executive Officer



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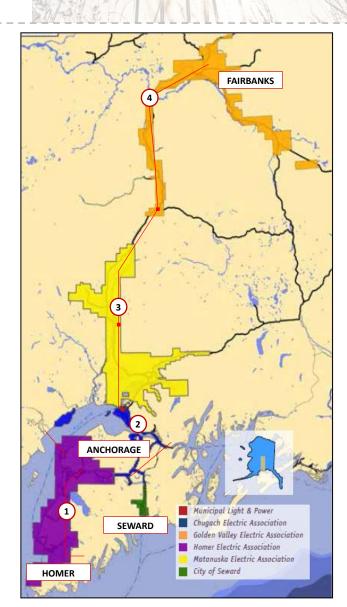


Our understanding

- Study efforts have identified projects to begin to address the Railbelt transmission needs
- Railbelt Transmission Integration Plan is one solution and consists of \$903M in transmission projects:

PROJECT	CAPITAL ESTIMATE	BENEFIT/ COST RATIO
1. Kenai-Anchorage Transmission	\$389M	2.9
2. South Central Alaska Reliability	\$21M	1.2
3. North Intertie - A	\$368M	4.1
4. North Intertie - B	\$113M	3.7

 Projects provide significant increases in economic benefit, future reliability development, and energy supply options





Key considerations for Legislature

- Successful transmission build outs & establishment of a USO need support from policy makers, state leaders, and regulators
- Ensure the RCA is empowered with clear regulatory authority
- Support non-traditional financing approaches
- Encourage transparent cost recovery to attract capital investment
- Industry lessons learned







Situation

- Region's utilities had experienced 10+ years of failed attempts to get "organized" for transmission development (e.g., Transco, ISO)
- Uncertain revenue recovery froze transmission investment
- The transmission system continued to be stressed
 - Business development and area growth
 - Generation diversification through long term planning and state policy
 - Increasing system congestion and area reliability problems over a large geographic footprint
- State and Federal policies continued to evolve

Xcel Energy and area utilities along with the state and other interested stakeholders recognized that a new approach was needed...



Shared vision & commitment

- Formed Spring 2004 to address system concerns
- Collaborative approach to grid expansion
- Started with 4 utilities, grew to 11
 - Electric cooperatives
 - Municipal G&Ts
 - Investor-owned utilities
- Incorporated lessons learned from past attempts
- Serving MN and portions of WI, ND and SD























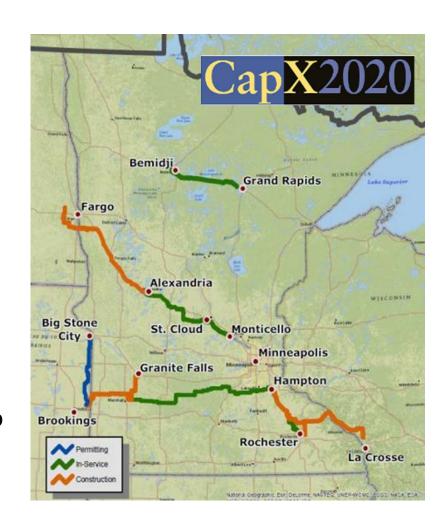






Build what is right for the region

- \$2 billion investment by the 11 partner utilities
- 700 miles of 345 kV transmission; 70 miles of 230 kV transmission
- Key alignment with regulators and policy makers
- Projects critical as foundation for future transmission
- Provide needed transmission capacity to support energy supply options and implement energy policies





Projects structured for collaboration

CapX2020 Vision Team – Long Term Planning & Stakeholder Management

BROOKINGS

Project Management Committee











FARGO

Project Management Committee











LA CROSSE

Project Management Committee











BEMIDJI

Project Management Committee











Project
Specific
Contracts

Cross – Project Collaboration – Strategic Execution through Project Management Office

Core

Principles



Key success factors

- Alignment with regulators and policymakers to enact enabling legislation
- Collaboration through all phases with all stakeholders - Utilities, Regulators, Legislators, Environmental groups, & Landowners

Results

- CapX2020 Phase 1 implementation is nearing completion
- Total regional economic impact estimated at \$4B - Study performed by University of Minnesota Duluth School of Business
- CapX2020 partner relationships remain strong and continue to collaborate to address regional challenges







XCEL ENERGY PROPOSAL



- Long term partnership with Alaska utilities and stakeholders to collaboratively transform the transmission system to lower customer costs, increase reliability and set the foundation for future growth
 - Leverage Xcel Energy's extensive experience in developing independent system operator organizations to speed the implementation of the Alaska USO
 - Invest with Alaska utilities to construct transmission facilities identified by current study efforts (and by future USO) helping to alleviate state budget and utility balance sheet constraints
 - Own transmission with the Alaska utilities (as they are willing and able)
 - Facilitate improvements in system operations increasing reliability & reducing the cost of service

XCEL ENERGY VALUE PROPOSITION



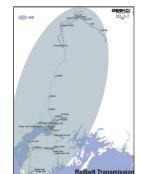
- We have experienced leadership and resources to facilitate a collaborative effort with varying stakeholder agendas (not to you... but with you)
- We are a load serving entity with extensive system operator startup experience (MAPP, SPP, MISO)
- We maintain flexibility in our investment approach and welcome partner involvement throughout the process including local control & ownership
- We are a vertically integrated utility (like the Alaska utilities) and can provide expertise and investment in electric generation, transmission, and distribution as well as natural gas
- We are a national leader in transmission
- We have strong financial health and invest in long term partnerships

ALASKA & XCEL ENERGY



The right partnership based on common values & experiences

1. Establish Independent System Operator



In the process of creating the Unified System Operator

2. Major Transmission Build Out Programs



Railbelt projects identified to date + USO future recommendations

3. Generation Diversification

<u>Senate Bill 138 – Alaska</u> Affordable Energy Strategy

Plan and recommendations to the Legislature on infrastructure needed to deliver affordable energy to areas in the state that do not have direct access to a North Slope natural gas pipeline. Due: January 1, 2017







Legislative supported major emission reduction programs while maintaining a balanced generation portfolio

4. Renewables Integration



Railbelt USO
implementation and
System Build Out
needed to support
significant renewable
integration

Advanced forecasting

system to manage the

integrations of ~5,300

megawatts of wind;

Max Hourly % Load

reached 60.5% (PSCo)

5. Conservation & Community





- Goal Reduce per capita energy use by 15% by 2020
- Energy Assessments
- Weatherization Programs
- Home Energy Rebates
- Energy Assistance





- Energy efficiency program goals are set annually
- Since 1992, we have been able to avoid more than 16 medium base-load power plants (250MW)
- Xcel Energy offers over 90 electric and gas programs across our states





Deep experience in the details of forming and working within independent system operator (ISOs)



CapX2020; SE New Mexico Oil Patch; ~\$1B in annual capital spend

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