NEXT GENERATION EQUIPMENT COMMITTEE
VIA RAIL'S CORRIDOR FLEET REPLACEMENT PROGRAM

FEBRUARY 22, 2019
AGENDA

- VIA RAIL CANADA
- VIA RAIL CORRIDOR FLEET REPLACEMENT PROGRAM
INTEGRATED INTERCITY OPERATOR

300M$ ANNUAL SUBSIDY

INFRASTRUCTURE

MAINTENANCE

TRAIN OPERATIONS

ON-BOARD SERVICES

STATION SERVICES

CALL CENTERS

The NGEC will provide national leadership in standardization, acquisition, financing and management of passenger rail equipment.
VIA RAIL AT A GLANCE

FLEET
- 73 LOCOMOTIVES
  Including two switchers (a small locomotive used to "switch" equipment around)
- 428 TRAIN CARS
  Passenger cars, sleeper cars, dining cars, lounge cars, baggage cars

RAIL
- VIA RAIL OPERATES ON A 12,500-KM RAIL NETWORK
- 97% of the network is owned and operated by railway partners, primarily CN and CP
- 3% is owned and operated by VIA Rail

PASSENGERS
- 4.39 MILLION TRIPS taken by VIA Rail passengers in 2018
- 1.5 BILLION KILOMETRES COVERED

BUILDINGS
- 121 TRAIN STATIONS
  Including 54 Heritage stations
- 4 MAINTENANCE CENTERS
- 6 REGIONAL OFFICES
- 1 HEAD OFFICE

EMPLOYEES
- 2,899 EMPLOYEES

COMMUNITIES SERVED
- OVER 400 COMMUNITIES SERVED ACROSS CANADA

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SHIFT: FOCUS ON CUSTOMERS

2011-2018 Revenues and Ridership

OUR INITIAL APPROACH: LISTEN
SINCE 2014

10,000+ CONVERSATIONS
WITH CUSTOMERS AND
PASSENGERS

REGULAR VISITS OF EVERY VIA
RAIL REGIONAL OFFICE AND
MAINTENANCE CENTER

OVER 450 MEETINGS WITH
LOCAL COMMUNITIES

Customer-centric strategy implemented
CURRENT FLEET PROFILE

CORRIDOR FLEET: 160 CARS & 40 LOCOMOTIVES

TOTAL CAPACITY: 9120 SEATS
SPEED: UP TO 100 MPH ON CLASS 5
FLEET REPLACEMENT REQUIREMENTS

- FUEL EFFICIENT BI - DIRECTIONAL TRAINSETS
- RELIABLE PROVEN EQUIPMENT
- TRAINSET CONFIGURATION VERSATILITY
- ENVIRONMENTALLY FRIENDLY
- PASSENGER COMFORT
- WINTER READY
- ON-TIME DELIVERY
- BEST VALUE

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TECHNICAL SPECIFICATION BACKGROUND

TRADITIONAL DECISION MAKING PROCESS
- Decide on locos/cars, single or bi-level, or DMUs, or EMUs
- Spec based on the vehicle work breakdown structure

OUR APPROACH
- Define our needs: seat capacity, performance requirements, customer requirements and regulations and standards, and have the industry propose their standard products that best meet our needs
- Mostly performance based, some specifics where needed: Winter, Service Delivery, Interior Features, Cab, CEM

REQUIREMENTS
- New trainsets in time to replace the corridor fleet retirement
- Transport Canada regulations require passenger rolling stock to be designed to APTA standards, or equivalent
- PRIIA S305 standards were cited in addition to APTA, thus saving time validating North American practices
- Allowance for Alternate Compliance
PROGRAM COMPONENTS

RFP WAS COMPOSED OF THE FOLLOWING:

- RFP (Outlines the bid requirements, process, and evaluation methodology)
- MSA (Manufacture & Supply Agreement)
- Base Trainset Technical Specifications
- 15 years TSSSA
- MRS (Maintenance Requirements Specifications)
- Interoperability Technical Specifications Summary

PROGRAM ALSO INCLUDES CMMIS & FACILITY UPGRADES
VIDEO: NEW FLEET PROGRAM

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SUCCESSFUL BIDDER

- Siemens was chosen out of 3 international builders having scored highest points commercially and technically

PRIMARY CONSIDERATIONS:

- On-time delivery
- Quality
- Price
SELECTED SOLUTION

32 BI-DIRECTIONAL TRAINSETS (9,120 PASSENGER SEATS)

- **MANUFACTURER:** SIEMENS CANADA
- **Cost:** $989M CAD
- **Selection Criteria:** On-time delivery, Quality of product and Price
- **Delivery:** 2022-2024

BASE TRAINSETS CONSTITUTION

- Charger locomotive with streamlined nose and cab jump seat
- 2 Business cars
- 2 Economy cars
- 1 Economy cab car

FOUR TRAINSET CONFIGURATIONS REQUIRED

- Extra short 3 cars, 176 seats
- Short 4 cars, 242 seats
- Long 5 cars, 285 seats
- Extra long 7 cars, 418 seats

KEY FEATURES

- Accommodate 3 platform heights
- Strong emphasis on universal accessibility, including 5 wheelchair spaces with on board lifts and fully accessible washroom
- At seat passenger service for both economy & business (no café cars)
- PTC ready
- Transport Canada & FRA compliant

- Options - up to 22 trainsets (Ready for addition of electric traction power)
- Maximum speed of 125 mph
- Tier IV emissions compliance
- Emphasis on severe climatic conditions and winterization requirement
- Proven equipment with reliability & availability performance commitment

Next Generation Equipment Committee

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QUESTIONS?