

2020 Webinar Series

Hosted by South Shore Clean Cities



MACOG/SSCC Green Fleet CNG Success Stories

June 25, 2020 1 p.m. CDT





About South Shore Clean Cities

- SSCC -- headquartered in St. John, Indiana -- is a 501(c)(3) nonprofit organization
- Designated as the 71st Clean Cities coalition on June 15, 1999, SSCC is one of the U.S. DOE's nearly 100 Clean Cities coalitions across the country.
- In the last decade alone, South Shore Clean Cities members have reduced greenhouse gas emissions by 607,000 tons and displaced over 93 million GGE.



Northern Indiana Green Fleet Program

- SSCC manages the Northern Indiana Green Fleet Program including fleets within the MACOG territory (Elkhart, Marshall, Kosciusko & St. Joseph Counties).
- **Goal of the program:** To improve the environmental performance of public, private and nonprofit vehicle fleets in Northern Indiana.
- SSCC currently guides over **32 MACOG municipal, county, school & university member fleets** to help mitigate barriers associated with sustainable transportation adoption while creating policies supporting vehicle emission & petroleum use reductions.





How does the Green Fleet program work?

- Educational opportunities including fuel & technology workshops, trainings & seminars
- Recognition & certification for fleet leaders taking steps to improve environmental performance & efficiency
- Branding & promotional tools to help fleets leverage earned certification status
- Informational resources including current technology options, market conditions, laws & incentives
- Connections with vendors offering sustainable transportation options
- Funding assistance with grant opportunities and other state and federal incentive programs
- Professional consultation including a Green Fleet audit and emissions quantification.



Green Fleet Audits

Step 1: South Shore Clean Cities staff will conduct a complete fleet analysis, including:

- Annual fuel usage
- Annual miles traveled & hours used
- Total number of vehicles & equipment
- Vehicle & equipment type, make & model
- Fuel type
- Average vehicle and equipment life
- Down time for fueling and maintenance
- Fuel cost



Green Fleet Audits

Step 2: South Shore Clean Cities staff then provides a complete fleet analysis in a written Green Fleet audit report, including:

- Cost comparisons for various sustainable fuel and vehicle types
- Availability and location of fueling options
- Personalized recommendations for short- and long-term fleet purchase plans
- Provide total cost of ownership and return on investment analysis
- Suggestions for implementing cost-saving programs & training such as idle reduction
- Information on potential funding opportunities to best leverage sustainable transportation investments



Partnerships & Grant Acquisitions





Thank You!



South Shore Clean Cities

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CNG Success Stories



June 25, 2020 |



A  **Love's** Company

The Love's Family of Companies



Founded: 1964

Headquarters: Oklahoma City

Overview: Love's operates 500+ travel stops in 41 states, offering 24-hour access to fuel, convenience store products and restaurant offerings. The company also manages a network of truck service stations, hotels and storage locations.

URL: www.lovess.com



Headquarters: Oklahoma City

Overview: Gemini delivers fuel and products to Love's stores nationwide via a fleet of 850+ trucks, fueled by RNG, biodiesel and renewable diesel. The company also operates rail terminals.

URL: www.lovess.com/gemini



Headquarters: Houston

Overview: Musket supplies Love's stores with gasoline, diesel, ethanol, diesel exhaust fluid, biodiesel and renewable diesel. The company also offers expertise in Renewable Fuel Standard and Low Carbon Fuel Standard programs.

URL: www.musketcorp.com



Founded: 1995

Headquarters: Houston

Overview: Trillium designs, builds and maintains fleet fueling stations in 26 states, offering renewable natural gas, compressed natural gas, hydrogen, electric vehicle charging solutions, on-site power generation, solar and energy storage.

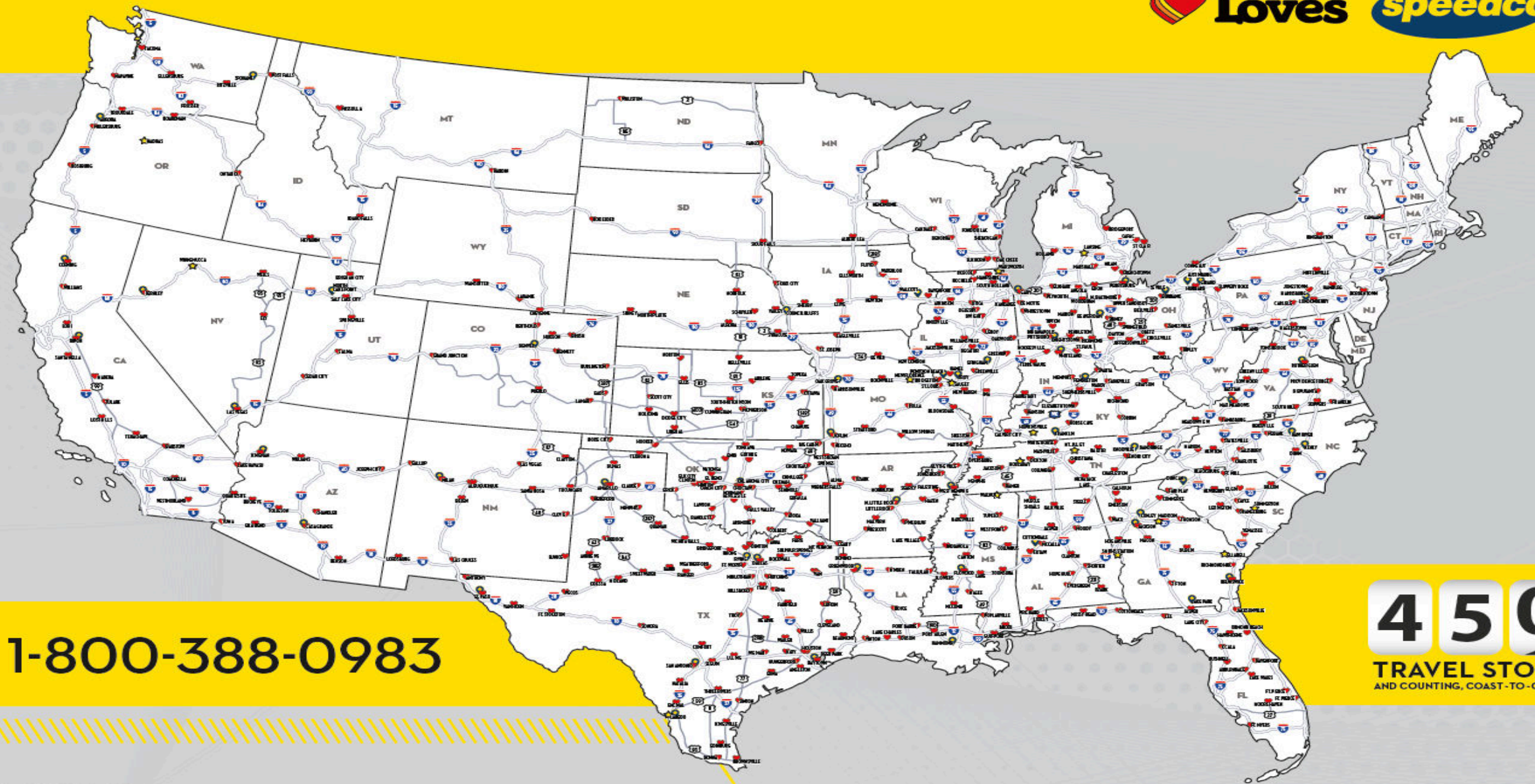
URL: www.trilliumcng.com



Headquarters: Oklahoma City

Overview: Speedco operates 60+ commercial truck service stations in 26 states, offering tires, quick lube, tires, inspection and preventive maintenance services to HD trucks.

URL: www.speedco.com



1-800-388-0983

450
TRAVEL STOPS
AND COUNTING, COAST-TO-COAST

REV 030920

Trillium – Who we are



CNG / RNG



EV Charging



Hydrogen Fueling



- Trillium provides turn-key solutions for **HD EV Charging, CNG, and Hydrogen Fueling**
 - Design/Build Services
 - Operations & Maintenance
 - Retail Fueling
 - **Renewables:** Solar and Renewable Natural Gas
- Trillium owns or operates over **220 alt-fuel stations** nationwide

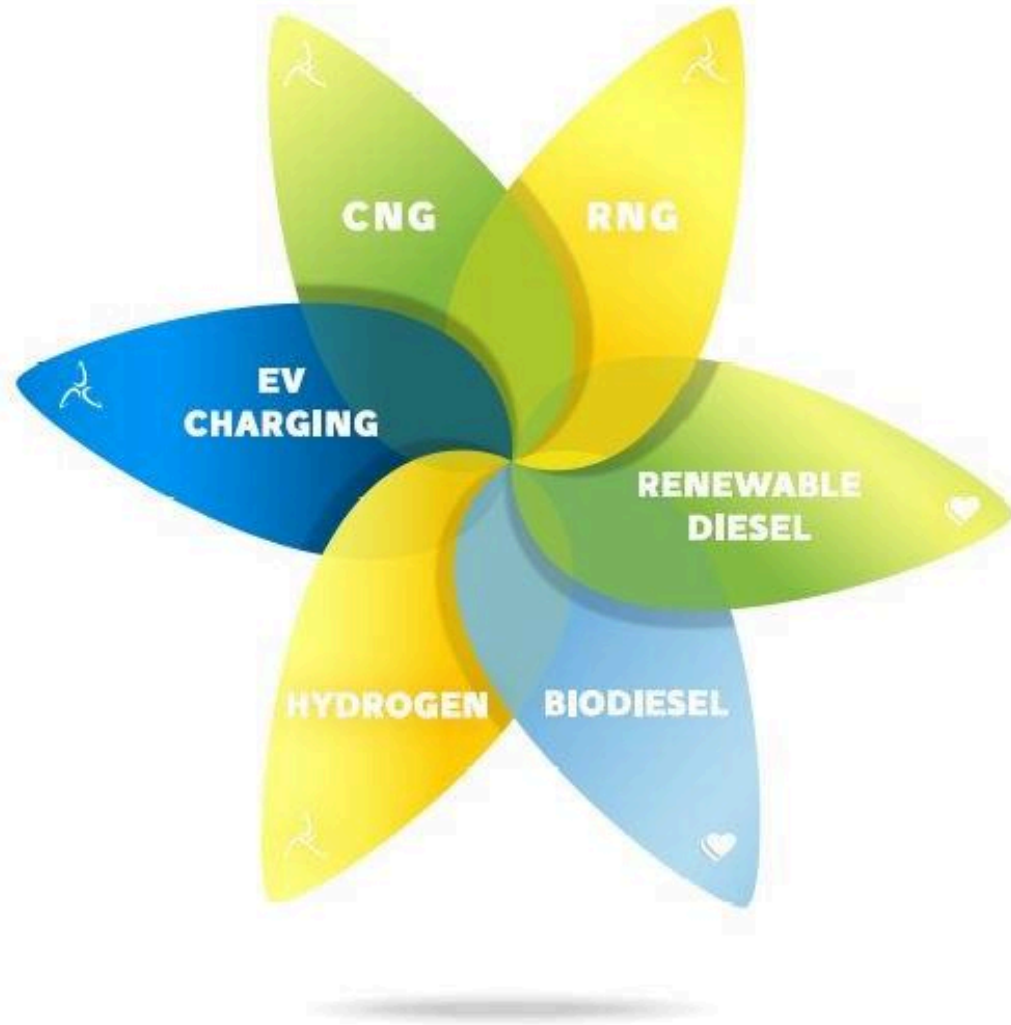


One Partner, Any Fuel

It really can be that simple.

Through our Love's Family of Companies, Trillium can supply any clean fuel as your fleet's needs evolve and grow.

Trillium works with customers to identify the clean fuel and power supply sources that work best for their fuel station – balancing cost, reliability, deployment timelines, sustainability goals, location, and scale.



Interested in CNG?

- Fleet analysis
 - CNG most prevalent in HD applications
- Utility coordination
- Siting/Location due diligence
- Know your resources- SSCC
- Existing retail stations or intergovernmental agreements (like South Bend) for fuel?
- State and Federal funding available
- Find the right partner for station development

CALL SSCC!!



A close-up photograph of a CNG (Compressed Natural Gas) fueling station. The image shows a black fueling nozzle with a red and black braided hose attached to a silver metal panel. A yellow nozzle is visible in the background. The text "Indiana CNG Fleets" is overlaid in white. The image is framed by a blue header and a yellow footer.

Indiana CNG Fleets

Marc Rowe

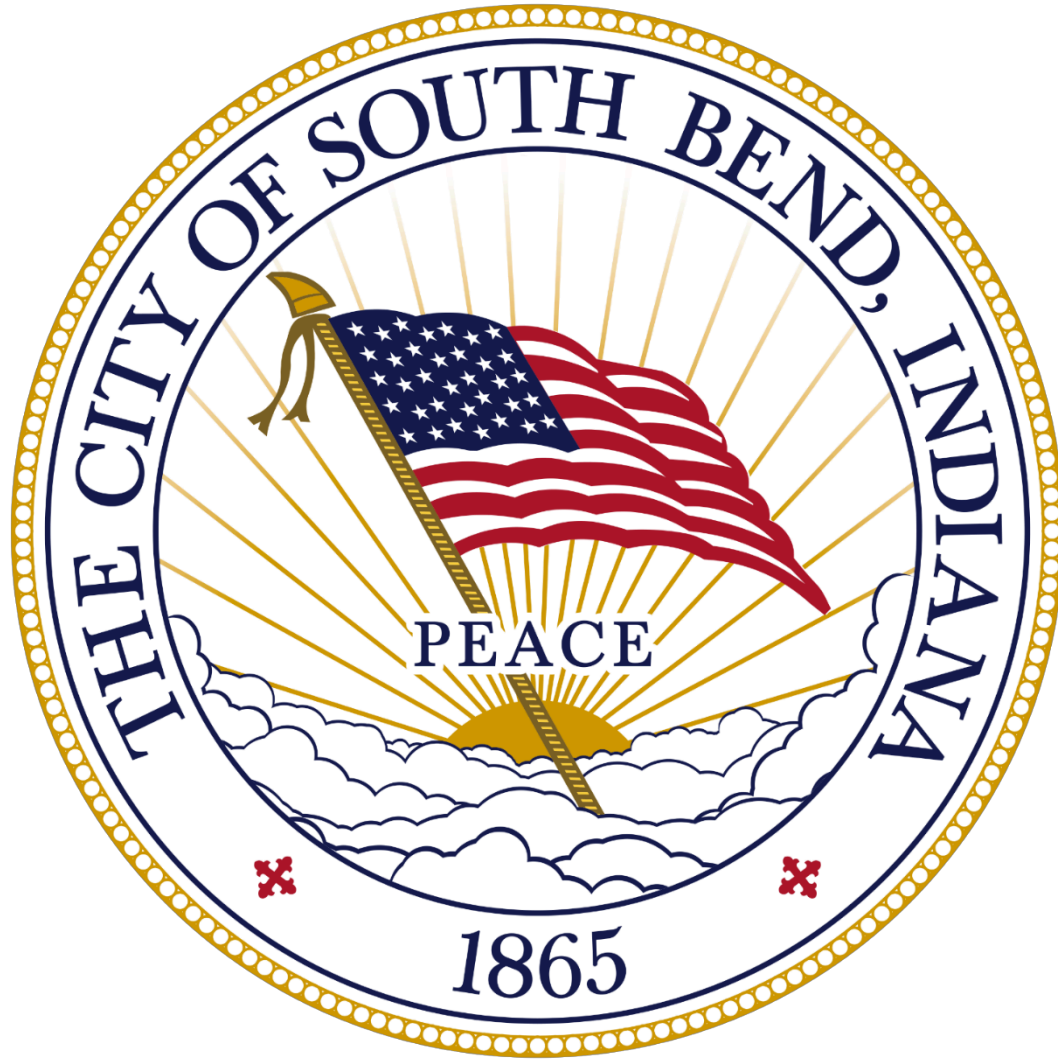
Senior Business Development Manager

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A  Loves Company






18 Solid Waste Refuse Trucks

**CITY OF SOUTH BEND
DEPT. OF PUBLIC WORKS
EQUIPMENT SERVICES DIV.**



6 Tandem Axel Dump Trucks

A row of white pickup trucks with red snowplows parked in front of a large white building. The building has the text "CITY OF SOUTH BEND DEPT. OF PUBLIC WORKS EQUIPMENT SERVICES DIV." on its side. The trucks are parked on a paved lot, and a grassy area is in the foreground. A blue banner at the bottom of the image contains the text "41 Pick-up Trucks/Vans".

CITY OF SOUTH BEND
DEPT. OF PUBLIC WORKS
EQUIPMENT SERVICES DIV.

41 Pick-up Trucks/Vans



116 Police Vehicles

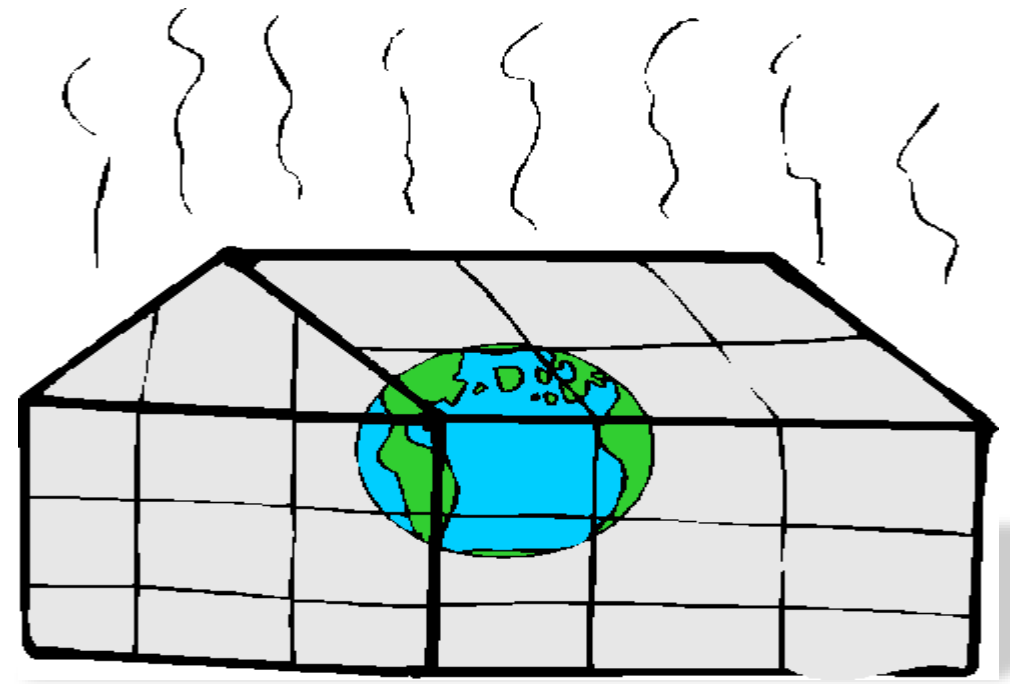
South Bend By The Numbers

218 Alternative Fueled

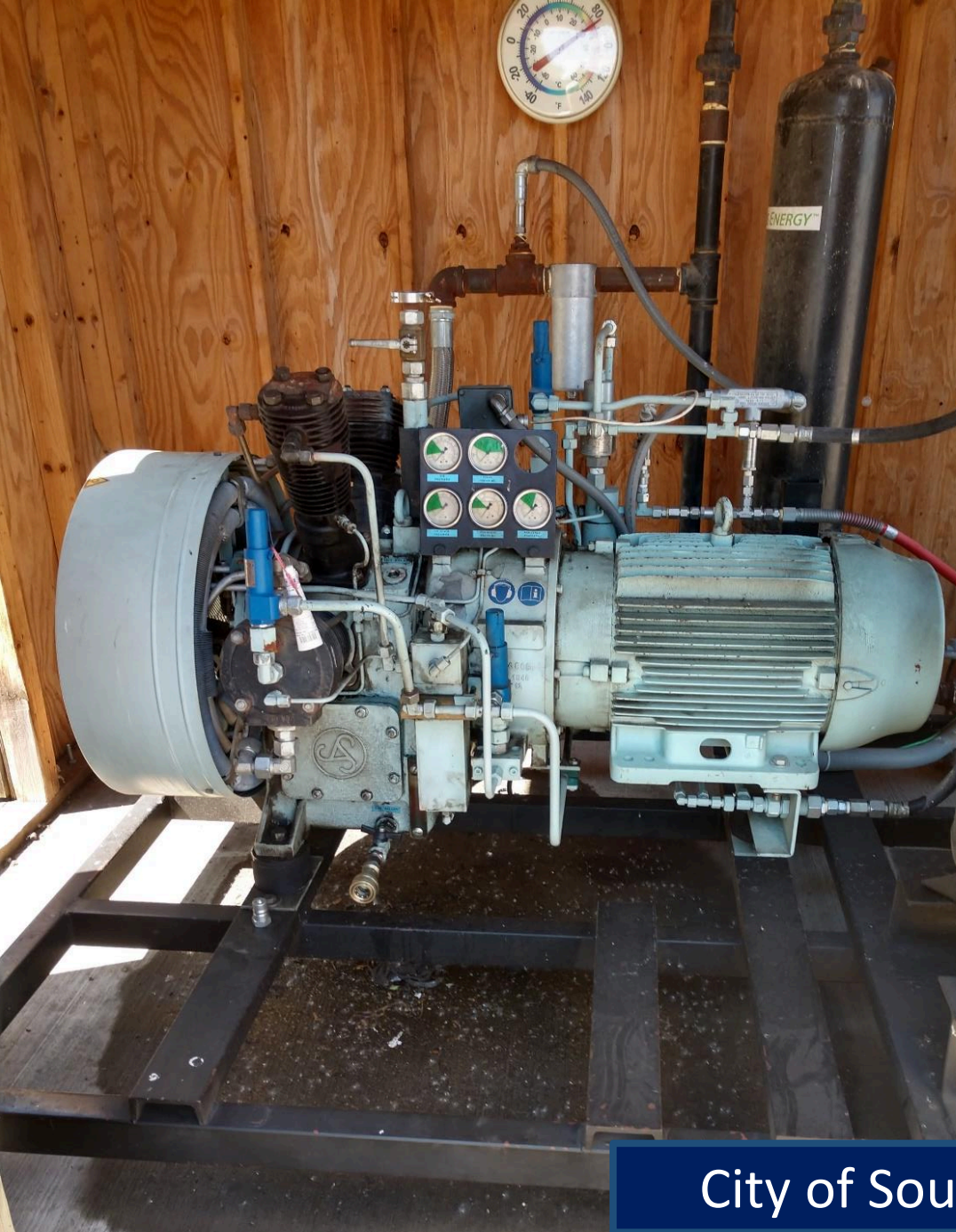


CNG Gallon
Equivalent
175,069

Savings Using
CNG
\$253,750



1600 Metric Tons of Green House Gases



City of South Bend/Transpo Fuel Site





South Bend Central Services

Matthew Chlebowski

Division Director

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MACOG / SSCC GREEN FLEET PROGRAM

CNG SUCCESS STORIES

- Opened 1st LEED Platinum Transit Facility in 2010
- Long-term commitment to sustainability and use of alternative fuels
- Aging fleet of diesel fixed route buses – anticipated replacing 10 buses
- Decision to pursue CNG



New Flyer Xcelsior

2014 – 16 buses

2015 – 3 buses

2017 – 3 buses

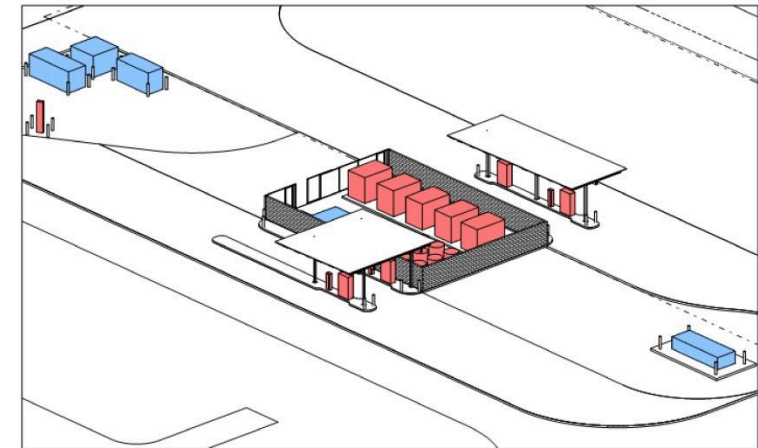
2021 – 6 buses

20 additional eligible
for replacement



Transpo CNG Fueling Center

- Opened in March 2016
- **Funded by:**
 - U.S. Department of Energy Grant
 - Federal Transit Administration Grant
 - DieselWise Indiana Grant
 - City of South Bend
- **In partnership with:**
 - City of South Bend
 - MACOG
 - South Shore Clean Cities
 - Trillium



Rendering shows all equipment

COST SAVINGS

FUEL SAVINGS



Annual Fuel Savings - \$7,500 per bus

Cost per Service Mile

- \$0.62 Gillig (Diesel)
- \$0.35 New Flyer (CNG)

Annual CSM Savings - \$6,750 per bus

Annual Parts & Labor Savings

- Estimated \$3,125 per bus

Estimated Annual Savings

\$17,375 per bus



MAINTENANCE SAVINGS





THANK YOU!

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SBTRANSPO.COM

Questions? Contact Us!



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Coming Up...



Electric Vehicle Charging Infrastructure



Visit www.southshorecleancities.org/event/ for more information