



AGENDA

Committee on Intergovernmental Relations Tuesday, October 4, 2016 @ 3:30 p.m. Council Conference Room; City Hall 10th Floor

Councilmember Adam Hussain, Chair
Councilmember Judi Brown Clarke, Vice Chair
Councilmember Tina Houghton, Member

- 1. Call to Order**
- 2. Public Comment**
- 3. Approval of Minutes**
 - September 6, 2016
- 4. Discussion/Action:**
 - A.) Discussion – City TV / Comcast
 - B.) RESOLUTION - Support of HR 182 and CR15 to Shut Down Line 5
- 5. Other**
- 6. Adjourn**



MINUTES

Committee on Intergovernmental Relations Tuesday, September 6, 2016 @ 3:30 p.m. 10th Floor Conference Room, City Hall

CALL TO ORDER

The meeting was called to order at 3:39 p.m.

ROLL CALL

Council Member Adam Hussain, Chair
Council Member Judi Brown Clarke, Vice Chair-arrived at 3:53 p.m.
Councilmember Tina Houghton, Member

OTHERS PRESENT

Sherrie Boak, Council Staff
Collin Boyce, IT Director
Dominic Cochran, City TV
Randy Hannan, Mayor's Executive Assistant
Sean McBrearty, Clean Water Action
Jim DeLine

PUBLIC COMMENT ON AGENDA ITEMS

Comments will be taken at the specific agenda item.

MINUTES

MOTION BY COUNCIL MEMBER HOUGHTON TO APPROVE THE MINUTES FROM AUGUST 2, 2016 AS PRESENTED. MOTION CARRIED 2-0.

Council Member Hussain amended the agenda to address the City TV/AT&T Michigan/Comcast topic.

DISCUSSION –

City TV/AT&T/Comcast

Council Member Hussain recapped the request for their attendance to discuss AT&T channel placement, franchise fees, and City TV equipment. At the July meeting Ms. Simmons with the City Attorney office confirmed the law suit filed by the City was settled, but she had noted there were equipment items that now needed to be addressed at the City level. Mr. Cochran was invited to attend this meeting to update the Committee on the equipment details.

Mr. Cochran detailed for the Committee the reason AT&T placed the City channel at 99, was because all PEG channels are 99, and the user then can choose which show they want to watch. The City initially was not happy with that because you can now browse to find it, but have to specifically request 99 because it is a web interface. Council Member Hussain asked if the changes were a violation of the franchise agreement. Mr. Hannan provided a brief history on the agreement, which originally the City had 7 channels, but once AT&T went to u-verse service, it changed how PEG channels were on their system. The Administration did not believe the City was getting what they were legally entitled to under State and Federal law, so they pursued a ruling from the FCC. It came to a point that the FCC would not do anything with the complaint so the Administration decided to walk away from the litigation. Since that time Mr. Cochran has been working with AT&T on technical issues and equipment, and the law will require the City to provide our signal compatible in a format for channel 99. Mr. Cochran continued with more history on delays due to transition to HD, the flux in the industry on that equipment, and producing in HD. The City is now talking to the AT&T engineers on the system and encoder they will need. The encoder is the system that takes the signal as it leaves as and analog from the City and makes it to AT&T or Comcast. The City delayed any purchases because they were told by AT&T the equipment was changing in 6 months, however that was 2 years ago. The new equipment has now been released and should last 5 years. This will accommodate the City's two channels. The equipment purchase is being done through the City IT Department as infrastructure purchase. AT&T has informed the City that once the equipment is installed and they send out the signal it will 6 weeks turn over time to launch. Mr. Boyce acknowledged that the IT Department is working on the vendor and sole source.

Council Member Hussain asked how long the whole project and transition would take, and Mr. Cochran noted it could take up to 12 weeks. Mr. Cochran then provided a list of equipment that has been purchased so far.

Council Member Hussain then moved the topic to the issues recently with Comcast, such as screens freezing, some households have broadcast on one floor but not another, pixels, and volume. Mr. Cochran stated that if it is something that cannot be replicated it is a Comcast issue, and if the TV broadcast in the booth is current with no issues it is not the broadcast itself, but an issue in the residents neighborhood. Council Member Brown Clarke asked how often the contract with Comcast gets reviewed, and if there are known intermittent issues is feedback provided to Comcast on their performance. Mr. Cochran confirmed they do check in quarterly on complaints.

Council Member Hussain asked about the issues with volume of the microphones in different areas of the dais. Mr. Cochran announced they will be purchasing a compressor which will take a target decibel for the microphones along with purchasing 12 new microphones.

Council Member Hussain asked about the issues people have during the live streaming. Mr. Cochran noted they are trying to dial in on the issue to be more reliable.

Mr. Boyce added to the conversation that they hope in 90 days to have a secondary provider to the City to migrate data into a more efficient manner. Mr. Cochran stated his hopes that the City will be changing from something video /audio signal to something more IT based.

Mr. Cochran distributed equipment quote for specifications for the items other than the encoder, which has to be a sole source at \$25,000. Mr. Boyce added to the information that they were projecting what the needs will be 3 years from now, and completing a large area of storage to incorporate their needs.

Council Member Houghton asked if there were plans to market the City channel on AT&T once it launches on Channel 99. Mr. Cochran affirmed the plan.

Council Member Houghton referenced the “assistance listening system” on the material quote and asked how many, and which ones would be used. Mr. Cochran stated there would be 5 in the back of the Chambers for use by the public, however they hope with the new audio there would not be as much of a need.

Council Member Wood asked about changes to the live stream. Mr. Cochran admitted they do have a new carrier with no advertising, but it is no longer free there is a monthly fee.

Council Member Wood asked if the new Channel 99 will only be the Council meetings or will have continual programming. Mr. Cochran stated it will be a regular channel 24 hours a day, and AT&T along with Comcast will have the same line ups.

Council Member Wood asked Mr. Hannan if the City has been receiving the PEG funds. Mr. Hannan affirmed that 5% goes into the general fund, and supports those expenses. Then there is 2% in restrictive to PEG systems. Comcast can only be spent on equipment and with AT&T since they claim they are not cable they are not subject to the cable ACT. Council Member Wood asked how the City was going to make sure they got the PEG fees from AT&T once the channel goes online, and also if AT&T has been rebating the customer because they don't have the City channel, is the City still getting the full amount. Mr. Hannan stated their agreement is 2% and that is what the City gets from them, if they rebate to a customer that is their lose.

Council Member Brown Clarke referenced the notes on the new server space, and asked Mr. Boyce who owned it. Mr. Boyce stated the new one would be owned by the IT Department and would be leasing space on it.

The Committee consensus was that they were satisfied with the information and answers provided on the issues.

Council Member Houghton asked if there was a source to use to provide statistics on the users. Mr. Cochran admitted that the providers do not want to share that information. The question was then if the City could provide a survey to determine age group, who, the platform, customer satisfaction, streaming, if they are Comcast or AT&T customers, and other stats. Mr. Hannan informed the Committee that the Franchise Agreement is not flexible so to ask questions on items that the City cannot change would not be wise. Council Member Brown Clarke added that if the City does not have influence, then they you set themselves up for expectations.

RESOLUTION- Support of HR 182 and CR15 to Shut Down Line 5

Council Member Hussain made note that the item was referred from the Committee of the Whole to this Committee to review the resolution and re-word it for acceptance by the full Council.

Mr. McBrearty outlined the work of Clean Water Action along with the Coalition on Oil and Water Don't Mix over the last 4 years. They have worked with environmental councils, F.L.O.W. from the upper peninsula on tactics to get local resolutions passed. They are pursuing the pressure campaign on the project since there has not been a response from the Attorney General or Governor to shut down Line 5. Their group is field canvassing and talking to communities about environmental issues. Mr. McBrearty stated that actually the Sierra Club worked with East

Lansing and Ingham County, at which point he distributed the Ingham County resolution. The website of information his organization is www.oilandwaterdontmix.org

Council Member Hussain asked if the majority of the communities approved the resolution as written, at which Mr. McBrearty confirmed.

Council Member Hussain pointed out that the Council was informed at their last meeting there is a Task Force and Advisory Board in place performing independent risk analysis and alternatives. They were told this reporting would be done by summer 2017, so some members on Council considered any action until that time. Mr. McBrearty made the Committee aware he knew about the Task Force and Board, also informed them that that Advisory Board will meet in Lansing on September 19th and he plans to attend. His organizations will plan to continue to push to have Line 5 shut down by winter.

Council Member Brown Clarke asked Mr. McBrearty his opinion on the scope of deliverables from the Task Force and Advisory Board. Mr. McBrearty opinion was that these groups will only prepare a report no action. Council Member Brown Clarke asked where the data in the resolution was getting pulled from.

The Committee began the review of the resolution, confirming that the first seven (7) paragraphs were ok. Council Member Houghton did ask that references on the statistics in paragraph seven (7) be added, along with any other references throughout the document.

In paragraph eight (8) the committee removed “shaky track” and asked for references. Paragraph nine (9) they asked Mr. McBrearty to provide reference as to whom the “violation” was with, who detected the “pinhole leak”. Council Member Hussain asked who did the dive when the leak was detected, and Mr. McBrearty could not answer that but did state that at one point the Natural Wildlife did their own dive.

Paragraph 10, the Committee made the change to remove “one of the worst and most expensive” and change to “the largest inland”. The references should be provided.

Paragraph 11 was changed to add “and it has been recently detected that there is corrosion in this pipeline; and” The references should be provided.

Paragraph 12 was deemed okay by the Committee.

Paragraph 13 was completely removed, and paragraph 15 will also be removed unless Mr. McBrearty could provide specific information on “the plan”.

Paragraph 14 is in need of specific references on where the information came from.

Paragraph 16 and 17 were okay by consensus of the Committee.

Paragraph 18 has dates that will remain blank until the City of Lansing City Council determines it will sign.

Paragraph 19 was deemed okay as written by the Committee.

The Committee in paragraph 20 removed the sponsor names of Sarah Roberts and Jeff Irwin.

Council Member Brown Clarke asked if there was a general letter for municipalities to sign instead of a resolution. Mr. McBrearty admitted they do have letters from private individuals, but not municipalities. When they do write a letter they are asked to alter the format to accommodate their community.

Council Member Hussain asked where things stood with Clinton and Eaton County and the cities in those areas. Mr. McBrearty admitted it is a capacity issue, and they are getting passed what they can when they can. He did also add that he has not heard of a resolution being introduced and not passing. Council Member Brown Clarke referenced the letter and resolution

from Traverse City that Mr. McBrearty sent to the Committee, and asked if a letter should come from the Mayor or Council. Mr. McBrearty stated noted there was no preference, but most are coming from the Council's.

Council Member Houghton asked if the Chair of the IGR Committee could reach out to the Mayor's office for a letter of support from him.

Mr. McBrearty was asked to forward information from his upcoming September 19, 2016 meeting.

The Committee on IGR will meet again on October 4th where this topic will appear again for final clarification on the resolution.

Adjourn at 5:15 p.m.

Submitted by,

Sherrie Boak, Recording Secretary,

Lansing City Council

Approved by the Committee on _____

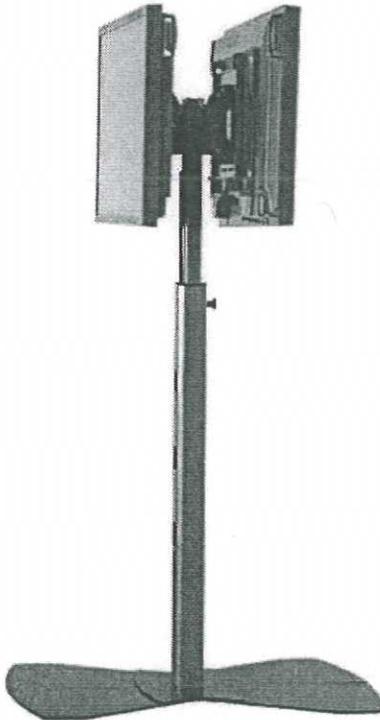
Proposal # 22-111215-1

November 11, 2015

Alan McCarrick
 IT Client Services Manager
 City of Lansing
 124 W Michigan Ave
 Lansing, MI 48933

Dear Mr. McCarrick,

This proposal includes the installation and setup of a multi-television system for the city council chambers.



Overview:

This system is design to provide a method for viewing digital content provided by presenters at council meetings. This content will be viewed by both the audience and council members, as well as broadcasted to cable TV by way of HD-SDI output connector.

Layout:

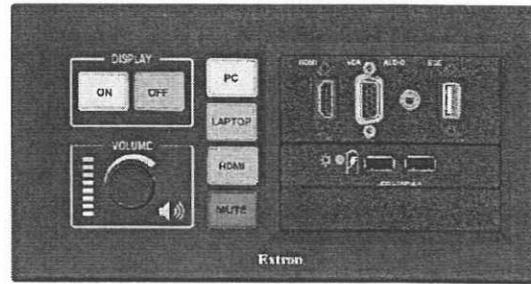
Four 65" commercial grade TVs will be placed on two dual monitor stands. The displays mounted back to back on the stands will be placed on the left and right side, between the audience and council members. One of the display stands will be designated the primary unit, and will have a shelf mounted under the TV. This shelf will hold the push button controller with the connectors for the systems inputs and outputs.

Source:

The Extron ShareLink 200 Wireless Collaboration Gateway enables users to present content from a laptop, smartphone, or tablet to the displays. This device supports simultaneous display of slides, documents, graphs, and photos from up to four devices without requiring a cable. It is compatible with Windows® and OS X® computers as well as Apple® and Android® smartphones and tablets. An HD-SDI for broadcast input and a HDMI connector will also be provided. The wireless and HDMI sources will have the ability be converted to the HD-SDI output allowing cable TV production crew to receive the digitally presented documents.

Control:

The push button controller will have a volume knob, and several push buttons. This controller will be mounted to the shelf under the primary display. The buttons will provide ON/OFF control of the TVs, as well as input selection. *Image shown is the controller that will be used, connector type and button labels will vary*



Signal Routing:

One of the source-selector buttons will be labeled “HD-SDI IN” and when selected the displays facing the audience members will show the live camera feed, and the displays facing the council members will show an image from a USB drive such as the City logo. When the wireless presenter or auxiliary HDMI is selected both displays on each of the stands will show the presented image allowing the audience to see the documents as well as the council members.

General Installation notes:

- This installation will include Three full years of, on-site warranty and on-going customer service support via phone during business hours.
- A network connection at the head end display stand to be provided by others.
- Power will to be provided at each display stand by others
- Onsite installation and commissioning will be done during regular business hours. After completion we will provide a short system overview and user training where we will explain how to use and control your new system. Also you will receive a project close-out binder including documents consisting of: as-built drawings, signal flow drawings, equipment manuals, and other system information.

Systems total including installation, delivery and 3 years' warranty \$ 23,611.00

Upon approval of this proposal I will send project authorization documents.

Thank you for allowing me the opportunity to provide you this custom sound system proposal and I look forward to working with you.

Sincerely,

Brian Hoefl

Brian Hoefl
Account Manager

Customer Proposal
City of Lansing

Proposal #: 22-020216-1

Customer:

Dominic Cochran

TEL: 517-483-4058
 Email: dcochran@lansingmi.gov

Quote Date: 2/2/2016
 Terms:
 Account Manager: Brian Hoeft

F.O.B.:
 Delivery:
 Ship Via:

Item Qty.	Description	Unit	Amount
1	Video presentation		19,381.00
	Includes:		
	2 Chief dual head floor stand		
	4 Flat panel mounting interface and bracket		
	4 65" LG flat panel		
	1 Extron signal HDMI extender TX and RX pair		
	1 Extron ShareLink200 wireless presentation gateway		
	1 Kramer SDI matrix		
	4 Kramer SDI to HDMI converter		
	2 Kramer HDMI to SDI converter		
	1 BlackMagic smartvue duo		
1	Camera system		13,413.00
	Includes:		
	4 Vaddio RoboShot HD-SDI 1080p/60 12x PTZ		
	1 Vaddio camera controller		
1	System controll		5,343.00
	Includes:		
	1 Crestron 10" table top touch panel controller for controll room		
	1 Apple iPad and table top docking station for presentation control		
	1 Crestron control processor		

1	Tricaster 1	Tricaster 460 With control surface		19,995.00
1	Leightronix 1	Leightronix E-HD2 HD		15,698.00
12	Council Mic 1	Includes: AKG table top mic, with 30 cm long gooseneck, and indication LED/push button	228.00	2,736.00
2	Wireless mic 1 1	Includes: Shure SLX wireless handheld mic Shure SLX wireless reciever	587.00	1,174.00
	Audio	Includes: 2 BIAM Forte AVB 2 Crown CDi1000 amplifier 2 Desktop speaker for controll room 2 JBL JRX212 12" two way speaker for front row 2 speaker tripod		7,147.00
1	Assisted Listening system	Includes: Williams sound equipment 1 TX75 infrared transmitter 3 RX22-4 four-channel selectable, infrared receivers 3 folding headphones 2 neckloops		921.00
	Installation	Includes TEL Systems Material, freight, mounting hardware, patch cords		3,787.00
		TEL Systems installation labor, system programing, system commissioning, training and system overview, one year TEL systems warranty, as built drawing and system closeout documents.		18,718.00
			Total	108,313.00



14701 Cumberland Road, Noblesville, IN
46060
Phone: 317-770-3500, Fax: 317-770-3528

September 6, 2016
Collin Boyce, MAS, CIO
City of Lansing
Cell: 517-285-6843 | Off: 517-483-4242
Collin.Boyce@lansingmi.gov

Collin,

IDSolutions is an audio-video integrator that designs complex solutions using custom hardware and control system software. We are an AT&T partner and provide Public, Education and Government (PEG) encoders to these markets on behalf of AT&T and our joint customers. At the present time IDSolutions is the only provider of the Cisco AS5300HE encoder due to its specialty application and support structure.

This sole source agreement allows us to provide the most cost effective support structure as we maintain Level 1 partner certifications and do not have to outsource our support operations.

For additional information please contact Pat Cassella, pcassella@e-idsolutions.com, 203-479-3506.

Pat Cassella – Vice President

A handwritten signature in cursive script, appearing to read "Pat Cassella".

submitted @ mfg

Tuesday, September 6, 2016

Committee on Intergovernmental Relations Mtg

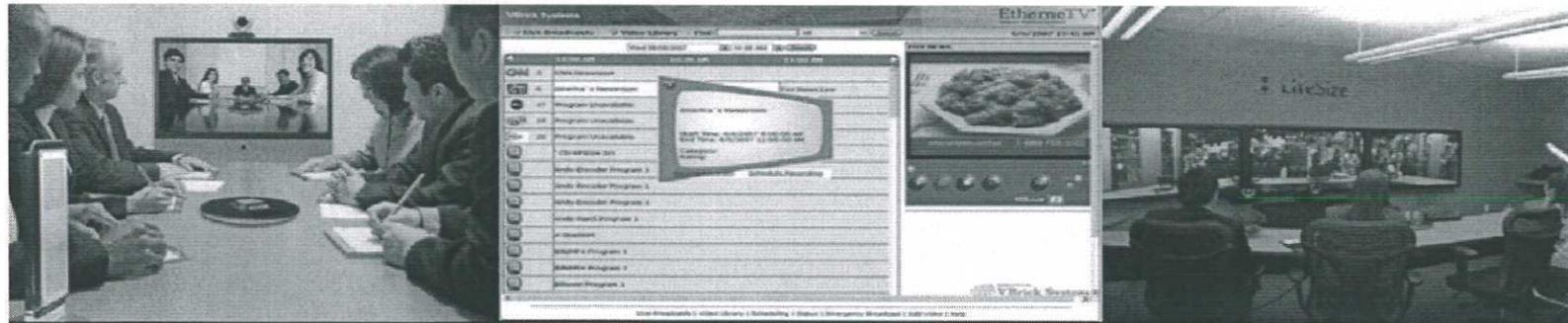
List of equipment purchased for Council Chambers over the last 5 years

- Mackie 8-channel audio mixer
- 2 Cerevo Live Shell Pro streaming devices
- 2 dedicated computers for streaming
- Leightronix Ultra Nexus HD Playback server
- 4 flat screen television monitors to replace older CRT units
- Replacing button activated microphones on an as-needed basis
- Replaced cables and connectors as-needed
- New carpet in Chambers
- List of equipment YET to be purchased is in handouts



Visual Communications Solution Presented To

CITY OF LANSING



submitter @ m78



14701 Cumberland Rd., Suite 400
Noblesville, IN 46060
Phone: 317-770-3500
Fax: 317-770-3528

August 24, 2016

City of Lansing

2500 S Washington Ave

Lansing, MI 48910

Kacy Reed, C: 517-920-2016 | O: 517-483-6637, Kacy.Reed@lansingmi.gov

Dominic Cochran 517-483-4058 dcochran@lansingmi.gov

Subject: PEG Video Delivery System (PVDS) Statement of Work

Kacy and Dominic,

Thank you for choosing the IDSolutions team as your video solutions integration partner. Based upon our previous discussions we are proposing 2- Cisco U-verse Encoders for your public access delivery needs. This device will provide the necessary functionality to deliver your broadcast to the AT&T U-verse network.

This proposal includes the following:

- 1: Project Overview: Proposed solution, product selection, orientation
- 2: Solution Cost: Equipment, Installation, Maintenance Costs
- 3: An Introduction to IDSolutions
- 4: Our Process: The 15 Steps to Success
- 5: Satisfaction Assurance and Questionnaire

The proposal includes 2-Cisco AR5300HE encoders, a 1 year hardware/software warranty, hardware parts replacement and remote installation through our engineering department. It also includes 1 year of help desk assistance.

I look forward to reviewing the proposal with you and to answer any questions you may have.

Respectfully Submitted,

Tom Lewis

Tom Lewis, Video Sales Specialist

203-479-3506, tlewis@e-idsolutions.com

1: Our Proposed Solution

The IDSolutions team is pleased to present the following solution based on our understanding of your requirements. You will provide our U-verse PEG device with a signal in order to transmit the content to AT&T’s U-verse network. This transmission will be carried over IP so we will require a connection to the Internet.

Project Overview

Streaming Appliance – Cisco AR-5300HE Encoder:

IDSolutions (IDS) will provide a WM Encoder appliance by Cisco. This system will be interfaced to your existing audio/video equipment and provide the necessary WM stream to the AT&T U-verse network. This appliance produces progressive format video and allows calendar-based scheduling. The encoder appliance will be pre-configured with the necessary AT&T U-verse settings to create a plug-and-play installation once the audio, video, network and power is connected.



Note: This unit is also has H.264 capability.

New Equipment provided

As part of the PVDS project the IDSolutions team will install the following major audio/visual components:

- (2) Cisco AR5300HE Video Encoder Appliances

New Managed Services provided

No managed services are included in this proposal.

Existing Equipment

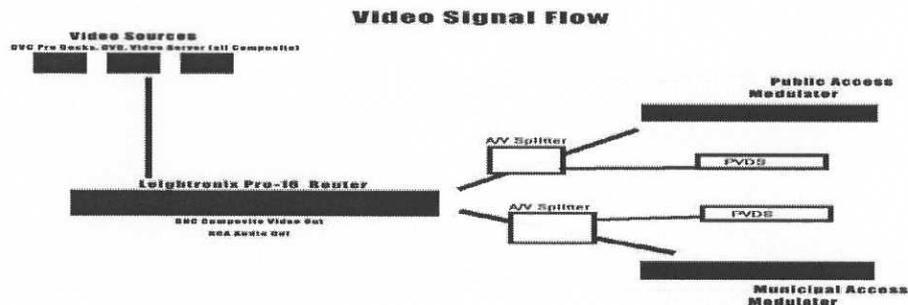
Based on previous discussions we will leverage your existing audio and video feeds from your D/A.

Control Configuration

All control will be performed through the Cisco interface and is generally only necessary for initial setup and configuration.

Audio/Video Methodology

Typically audio inputs will be RCA connections and video can be either composite or S-Video. It is suggested that an active A/V splitter be used when splitting a signal so that your existing audio/video signal is properly amplified with minimal degradation prior to entering the PVDS. A typical setup is shown below:



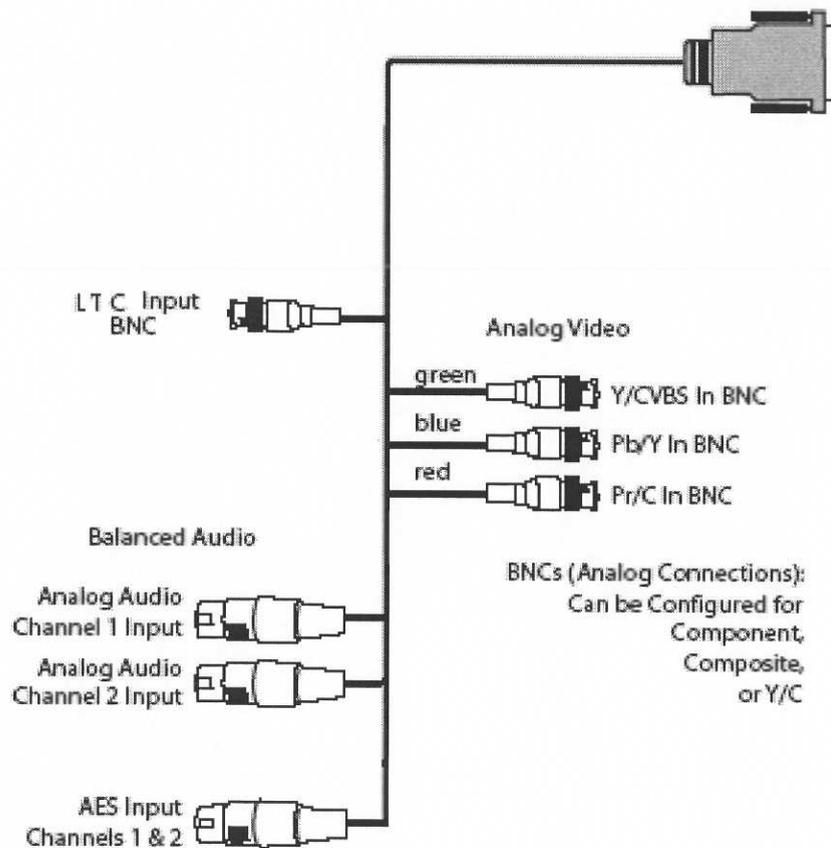
Digital Video and Audio

For digital sources, connect the coaxial cable for the digital video and audio input signal to the SDI Input connector on the back of the unit.

Note: If using an SD-SDI output to provide signal to the Cisco AnyRes Live 5300HE, the encoder requires a SD-SDI input with a rate of SMPTE 259. Composite, component, and S-Video are options as well. If using these options, audio would be separate through XLR connections (RCA adapter can be used and are a customer responsibility).

Analog Video and Audio

For analog sources, connect the provided breakout adapter cable for the analog video and audio input signals to the Analog In 60-pin connector. For reference, consult the following diagram of the breakout cable connections:



Note: All Adapters are customers responsibility.

Required Cabling and Encoder Mounting

PEG/UVerse Installation Customer Requirements

- 1) Ship to Address for Encoder: 2500 S Washington Ave Lansing, MI 48910

- 2) Installation Address for Encoder: (If different than Ship To Address) 124 W Michigan Ave 10th Floor City Hall Lansing, MI 48933

- 2) Technical Contact: (Name, phone and email) Dominic Cochran 517-483-4058 dcochran@lansingmi.gov

- 4) Encoder Requested/being provided:
 - Cisco Any Res 5300Note: The Cisco appliances are 1ru AND have ears for rack mounting. (Note:Dimensions (H x W x D) 1.7 x 16.9 x 28.5 in. (4.32 x 43 x 72.4 cm) (1 rack unit [1RU])

- 5) What is the audio/video source to the encoder (device that will provide the physical a/v handoff to the encoder)?
 - Mfg: Newtek
 - Model: VT(5)
 - Will this device source only the PEG encoder or other equipment also? Note, if sourcing multiple devices a distribution amplifier (D/A) may be required and will require further investigation.Other equipment also. Monitors inside our council chambers.

- 6) Format and connector of video handoff:
 - Composite/BNC?
 - Composite/RCA? Yes
 - Other, SDI?

- 7) Audio handoff:
 - Mono/Stereo? Mono/Unblanced/RCA
 - Balanced/Unbalanced?
 - RCA/XLR/3.5mm/Other?

- 8) Carrier providing the circuit:
 - ATT? ATT
 - Other?

- 9) What is the status of the circuit:
 - Installed?
 - Live?
 - If not installed, timeframe until installation? Not sure, I thought that's what this project will accomplish?

- 10) Logical placement of encoder on network:
 - Public outside FW?
 - Private NAT to public? IT can answer

11) IDSolutions will provide Remote Installation

12) Is your organization Tax Exempt? (If Yes, Tax Exempt form will be required.) Yes

Additional notes:

- 1) Encoder typically resides near the audio/video source, which may not be near the circuit demarcation point.
- 2) A network drop and power is required within 6ft of the encoder.
- 3) Audio/Video connections are required within 6ft of the encoder.
- 4) Note: IDSolutions will require IP information to preconfigure the appliance

Installation

IDS will provide remote installation through our engineering department. Continued post-installation remote assistance will be provided through our help desk and toll free number. Additional on-site installation assistance is available at a separate per hour rate to be agreed upon by IDS and customer.

Note: IDSolutions does not provide installation services for equipment provided by vendors other than IDSolutions.

Network Requirements

Network connectivity to the Internet (and ultimately the U-verse network) is a customer responsibility. If this connectivity is being provided by AT&T then it can be guaranteed to work with our PVDS equipment. If the Internet connectivity is provided by another carrier we will do our best to ensure operation. If bandwidth or network issues do occur it will be the customer's responsibility to correct these issues with the carrier providing the service.

A stable connection (no packet loss) with at least 1.544 Mbps of bandwidth to the Internet is required for streaming connectivity to the U-verse network. IDSolutions will also require remote access to network in order to make revisions and troubleshoot any system issues.

Customer to provide IDSolutions with the IP information for the encoder.

Ongoing Maintenance, Warranty, and Help Desk

IDS will provide a 1 year Warranty on all Cisco parts with parts replacement. This includes 8-8 EST Help Desk Support (1 year). If an issue occurs, IDSolutions will troubleshoot remotely. If issue cannot be resolved remotely, affected part will be shipped to IDSolutions and returned to manufacturer if necessary.

Optional: Multi-year maintenance, warranty and help desk contracts are available.

Customer Orientation

Equipment orientation will occur at the completion of installation by the supporting engineer assisting with remote installation. Normal orientation is intended to familiarize an administrator and/or end user in the functionality of the system and for any questions pertaining to the operation of the equipment. As mentioned previously the PVDS equipment requires minimal user intervention once installed and operational.

Deadlines

We will work with you to help ensure that any date requirements are met and will notify you regarding any factors (customer and IDSolutions related) that may impact this date.

These projects typically have 4-6 week implementation timeframes from receipt of the PO. This includes the ordering of equipment, configuring of equipment and shipping of equipment to the customer for dedicated remote installation. ATT typically takes 10 days to verify that the stream is being pulled correctly once the system is up and running.

Returns

IDSolutions will accept returns on new, unused products for a period of 14 days from date of receipt. There will be a restocking fee of 25% and customer MUST have prior approval in form of an RMA issued by the department Product Manager. Product must be shipped back to IDSolutions unopened and in the original packaging. Shipping costs are responsibility of the customer.

2: Equipment, Installation, Service and Maintenance Costs

The following cost proposals were created based on the proposed solution. Total cost for all components, installation, training and support for the project as defined in this document is:

For
City of Lansing
AR5300 PEG
 08/23/2016



Equipment and Services

Equipment and Software

Part Number	Qty	Description	Total Price
IDS-GRP-S-VID-01	2	AR5300 HE-Encoder single Channel Device Kit	\$21,994.00

Services

Part Number	Qty	Description	Total Price
IDS-INST	1	REMOTE Installation, Project Management, Engineering & Programming	\$2,898.00
ID-MAINT	1	1-Year Bronze	\$998.00
Subtotal:			\$3,896.00

Total:	\$25,890.00
Estimated Tax:	\$0.00
Estimated Shipping:	\$100.00
Grand Total:	\$25,990.00

Expiration Date: 09/22/2016
 PROP-2689

3: IDSolutions Introduction

IDSolutions is a global visual communications solutions provider dedicated to delivering customers complete solutions for video conferencing, streaming video, digital signage and telepresence. At **IDSolutions** we are focused *purely on visual communications technologies* built around industry leading manufacturers of video over IP products. Our Solutions and Services include:

- Telepresence, Desktop and High Definition Videoconferencing
- Video Streaming/Video On Demand, Video Distribution and Webcasting
- IP Video Surveillance and Digital Signage
- Multimedia Room Integration
- Design/Consulting, Professional Training and Support Services
- Managed Services

The services provided by **IDSolutions** encompass the entire video solution process. It begins by working with our clients to educate them about visual communications solutions, implementing those solutions that fit our customer's needs, all the way through maintenance and ongoing service support.

We are committed to our customers and to providing a cost efficient highly effective solution which exceeds the current services by providing innovative enhanced services. Below are the highlights of the key services that the **IDSolutions** team provides our visual communications customers:

Equipment Integrations and Design: Through partnerships with the industry's leading video communications equipment manufacturers, such as Vidyo, LifeSize, Tandberg, Polycom, Sony, Radvision, Codian, VBrick, Accordent, LG, and AMX as examples. The **IDSolutions** engineering team is able to create solutions repeatable solutions for our customers as well as custom solutions for customers with unique requirements.

- **Professional Services:** To meet our commitment of ensuring successful interactive communications and to maximize our client's investment, **IDSolutions** provides a broad portfolio of value-added services including: Training and Consulting, Content Identification and Grant Services. **IDS Professional Services** are geared toward helping our clients excel in this environment while letting them stand as leaders in the implementation of Visual Communications.
- **Managed Services:** In order to provide a complete Visual Communication Solutions to **IDSolution's** customers it may require more than state of the art technology, implementation and maintenance services. In many case it may require advanced proactive management solutions or hosted Video-On-Demand, Video Reflector or Conferencing services. This service may include on site support, offsite support or combination of the two to meet the customer goals and objectives of their video communications services. It also provides the ability leverage IP connectivity provided by **IDSolutions**.
- **Implementation Services:** **IDSolutions** implementation services include, Project Management, Mockup/Staging, Pre-Configuration, Remote Installation Support and Onsite Installation support.

Boak, Sherrie

From: smcbrearty@cleanwater.org
Sent: Monday, September 26, 2016 12:36 PM
To: Boak, Sherrie
Subject: Line 5 Resolution references
Attachments: sample resolution shut down Line 5.doc

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sherrie,

Attached is the sample resolution with the references we had talked about added. Enbridge is currently revising their cleanup plans and bringing new cleanup equipment into the region, so I did not provide references about flaws in the prior plan, and paragraph 15 can be removed completely. Please let me know if there is anything else on this that you need from me.

Please share this update from the Pipeline Safety Advisory Board with city council as well. The meeting consisted of presentations from Enbridge and the US Coast Guard about emergency management plans in case of a spill in the Straits of Mackinac from Line 5, followed by a brief discussion of boardmember Craig Hurd's letter to the board requesting that they look into interim measures, such as shutting down the pipeline through the winter months. The spill presentations revealed that Enbridge is bringing new ice skimmers, booms, and other equipment into the Straits region to be used in case of a major spill. While this is a step in the right direction, they also admitted that even with a spill occurring in ideal conditions, at best 40% of the oil spilled would be recovered. Their prediction of spilling 1.5 million gallons is based on the pipeline remaining open for only 8 minutes after a leak's detection, so also this is likely a best case scenario for volume of a potential spill, with the potential existing for a much larger spill.

The risks and alternatives analysis is continuing, however board members requested and were denied access to the consultants who are doing the study. Unfortunately this means that Enbridge itself is left to fund and supervise the risks and alternatives study which is due to be completed by next summer. The next Pipeline Safety Advisory Board meeting will be December 12, and we will be pushing for at least a winter shut down in the meantime while the risks and alternatives analysis is still in the process of being completed.

Thanks again for all your work on this,

Sean McBrearty

Campaign Organizer
Clean Water Action
Clean Water Fund

Follow us: @CleanWaterMI
Like us: Michigan CWA

2722 E. Michigan Ave, Ste 201
Lansing, MI 48912
(517) 203-0754 Office
(616) 516-7758 Cell

This message (including any attachments) is intended only for the use of the person(s) to whom it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If you receive this message in error, please notify me immediately by email, telephone, or fax, and delete the original message from your records. Thank you.

Resolution ____

WHEREAS, Line 5 is a set of twin, 62-year-old pipelines owned by Enbridge that carry light crude oil and natural gas under the Straits of Mackinac; and

WHEREAS, the currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, and according to a 2014 University of Michigan study are the “worst possible place” for an oil spill in the Great Lakes; and

WHEREAS, the Great Lakes contain 20 percent of the world’s fresh, available, surface water and are a drinking water source for over 35 million people; and

WHEREAS, one out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes; and

WHEREAS, tourism is one of Michigan’s largest income industries bringing in billions of travelers dollars spent each year; and

WHEREAS, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes; and

WHEREAS, in 2009 the Great Lakes were linked to over 1.5 million jobs, with Michigan accounting for 35 percent of those jobs¹; and

WHEREAS, Enbridge has a shaky track record that includes 1,244 reportable spills, leaks and releases from 1996 to 2013²; and

WHEREAS, Enbridge was in violation for their spacing requirements of its 1953 easement for Line 5 in 2014³ and were responsible for a pinhole leak in a section of the pipeline north of the Straits in December 2014⁴; and

WHEREAS, Enbridge was responsible for the largest oil spill in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of tar sands oil to leak for 17 hours before shutting down the line⁵; and

¹ <http://ns.umich.edu/new/releases/8280>

² Food and Water Watch data analysis of Enbridge company-wide reportable spills, leaks, and releases. Data can be found in Addendum to Enbridge 2013 Corporate Social Responsibility Report, at 2 and 3; Enbridge 2010 Corporate Social Responsibility Report at 84; Enbridge 2006 Corporate Social Responsibility Report at 29; Enbridge 2001 Environment, Health, and Safety report at 10.

³ Aug. 3, 2016 letter from AG Schuette to Enbridge, accessed 9/13/16;
http://media.mlive.com/news_impact/other/Enbridge%20-%20joint%20ltr%20with%20Keith%20Creagh%20&%20Heidi%20Grether%208-3-16%20-2.pdf

⁴ Office of Attorney General Bill Schuette. [Press Release]. “Wyant, Schuette issue statement on Enbridge U.P. pipeline incident following Pipeline Task Force Meeting.” December 2014.

WHEREAS, corrosion is the number one reason that pipelines fail; and

WHEREAS, Line 5 was built before the Great Lakes Submerged Lands Act was adopted so it didn't have to obtain a permit and ensure that the pipeline wouldn't pose a threat to the waters or the public's use of the waters; and

WHEREAS, Michigan's Attorney General Bill Schuette has stated (in regards to Line 5) that the "pipeline wouldn't be built today" and that "the pipeline's days are numbered"; and

WHEREAS, the Coast Guard Commandant testified before congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes⁵; and

WHEREAS, there is no plan for how to recover oil if there was a leak during the winter when the lakes are covered with ice; and

WHEREAS, as Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and

WHEREAS, protection of Michigan's water supplies and resources is better accomplished by prevention of contamination and environmental degradation, rather than attempting to clean up contamination and restore degraded environments after the fact;

NOW, THEREFORE, BE IT RESOLVED, that on the ____ day of ____ 2016, (name of town) supports stopping the transportation of oil under the Great Lakes; and

BE IT FURTHER RESOLVED, that (name of town) supports shutting down Line 5 and the flow of oil under the Great Lakes, and

BE IT FURTHER RESOLVED, that (name of town) supports H.R. 182 and C.R. 15 introduced by State Representatives Sarah Roberts and Jeff Irwin calling on Governor Rick Snyder and Attorney General Bill Schuette to shut down Line 5, and

AND BE IT FURTHER RESOLVED that (name of town) will send a letter to Governor Rick Snyder, Attorney General Bill Schuette, our State Representatives, State Senators and U.S. Senators calling on them to take swift action to shut down Line 5.

PASSED, APPROVED, AND EFFECTIVE on this ____ day of ____, 2016.

⁵ <http://michiganradio.org/post/keeping-eye-michigans-hazardous-liquid-pipelines>

⁶ "30-Day Notice of Intent to Sue," Letter from Attorney Neil Kagan, National Wildlife Federation, to Secretary, U.S. Department of Transportation, July 28, 2015, Appendix 1-9

ATTEST:

Mayor

Council President

PLEASE SEND A COPY OF THIS SIGNED RESOLUTION TO:

1. [Governor Rick Snyder]
2. [Attorney General Bill Schuette]
3. [town's state representatives]
4. [town's state senators]
5. [US Senators]
6. [Clean Water Action]



Legislation Details (With Text)

File #: 16-0852 **Version:** 1 **Name:** 6/6/16 Resolution Opposing Oil Transport through Enbridge Energy Line 5

Type: Resolution **Status:** Passed

File created: 6/6/2016 **In control:** City Council

On agenda: 6/6/2016 **Final action:** 6/6/2016

Enactment date: 6/6/2016 **Enactment #:** R-16-232

Title: Resolution Opposing Oil Transport through the Enbridge Energy Line 5 Pipeline

Sponsors: Chip Smith, Sabra Briere, Christopher Taylor, Chuck Warpehoski, Kirk Westphal, Zachary Ackerman

Indexes:

Code sections:

Attachments: 1. List of Municipal Governments that have passed similar resolutions urging the immediate shutdown of Enbridge Line.docx, 2. OWMD-Sign-On-Letter-to-Gov-AG-DEQ-DNR_4-11-16 (1).pdf

Date	Ver.	Action By	Action	Result
6/6/2016	1	City Council		

Resolution Opposing Oil Transport through the Enbridge Energy Line 5 Pipeline

Whereas, Line 5 is a set of twin, 63 year old pipelines owned by Enbridge Energy that carry light crude oil and natural gas under the Straits of Mackinac;

Whereas, According to a recent University of Michigan study, more than 700 miles of Great Lakes shoreline and over 17,000 square miles of open water in Lakes Michigan and Huron are potentially at risk from breaks in Line 5 under the Straits of Mackinac;

Whereas, The currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi directionally from east to west;

Whereas, The Great Lakes contain 20 percent of the world's fresh, available, surface water and are a drinking water source for over 35 million people;

Whereas, One out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes;

Whereas, Recreational tourism, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes;

Whereas, Enbridge Energy was responsible for the largest inland oil spill in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of oil to leak into the Kalamazoo River for 17 hours before shutting down the line;

Whereas, Oil recovery in the Straits of Mackinac would be extremely difficult as evidenced by the Coast Guard Commandant testifying before Congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes;

Whereas, As Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and

Whereas, Protection of Michigan's water supplies and resources is better accomplished by prevention of contamination and environmental degradation, rather than attempting to clean up contamination to restore degraded environments after the fact;

Whereas, The state of Michigan has the authority to stop oil flowing through the Straits of Mackinac through an easement granted to Enbridge Energy in 1953; and

Whereas, The Ann Arbor Energy Commission and Ann Arbor Environmental Commission have both passed this resolution and recommend that the Ann Arbor City Council do the same;

RESOLVED, That the Ann Arbor City Council supports stopping the transportation of oil through the Straits of Mackinac through Enbridge Energy's Line 5;

RESOLVED, That the Ann Arbor City Council supports H.R. 182 and C.R. 15 calling on Governor Snyder and Attorney General Schuette to shut down Line 5's transport of oil through the Straits of Mackinac; and

RESOLVED, That the City Council send a letter to Governor Snyder, Attorney General Schuette, State Representatives Irwin and Zemke, State Senator Warren and U.S. Senators Peters and Stabenow calling on them to take swift action to shut down Line 5.

Sponsors: Councilmembers Smith, Briere, Warpehoski, Westphal, Ackerman and Mayor Taylor

David Whitaker, Esq.
Director
Irvin Corley, Jr.
Executive Policy Manager
Marcell R. Todd, Jr.
Senior City Planner

LaKisha Barelift, Esq.
M. Rory Bolger, PhD, AICP
Timothy Boscarjão, AICP
Kemba Braynon
Elizabeth Cabot, Esq.
Janese Chapman
Tasha Cowan

City of Detroit

CITY COUNCIL

LEGISLATIVE POLICY DIVISION
208 Coleman A. Young Municipal Center
Detroit, Michigan 48226

Phone: (313) 224-4946 Fax: (313) 224-4336

Richard Drumb
George Etheridge
Deborah Goldstein
Derrick Headd
Marcel Hurt
Kimani Jeffrey
Anne Marie Langan
Analine Powers, PhD
Sabrina Shockley
Thomas Stephens, Esq.
David Teeter
Theresa Thomas
Kathryn Lynch Underwood

TO: The Honorable Detroit City Council

FROM: David Whitaker, Director
Legislative Policy Division (LPD) Staff

DATE: June 9, 2016

RE: Resolution to Shut Down Enbridge "Line 5"

On June 7, 2016, Council Member Sheffield requested that LPD draft a resolution calling for the immediate shut down of Enbridge's Line 5 oil and natural gas pipelines beneath the Starits of Mackinac. The requested resolution is attached.

If Council has any other questions or concerns regarding this subject, LPD will be happy to provide further research and analysis upon request.

**RESOLUTION CALLING FOR IMMEDIATE SHUT DOWN
OF ENBRIDGE PIPELINE 5 RUNNING THROUGH THE GREAT LAKES**

By Council Member Mary Sheffield

WHEREAS, Enbridge Corporation's "Line 5" is a pair of 62-year old pipelines that carry oil and natural gas through the Great Lakes under the Straits of Mackinac; and

WHEREAS, The Straits of Mackinac in particular are characterized by very strong bi-directional east and west currents, up to more than 10 times greater than the flow of Niagara Falls, creating very dangerous forces that could threaten the integrity of Line 5 and the ability of emergency responders to contain the oil in the event of a spill; and

WHEREAS, A 2014 University of Michigan study states that the Straits of Mackinac are the "worst possible place" for an oil spill in the Great Lakes; and

WHEREAS, The Great Lakes contain 20 percent of the world's available fresh surface water, and provide drinking water for more than 35 million people; and

WHEREAS, Enbridge Corporation has a poor environmental record, including more than 1200 reportable leaks, spills and releases between 1996 and 2013; and

WHEREAS, Enbridge was responsible for one of the worst oil spills in United States history in 2010 when their Line 6b ruptured near Kalamazoo, leaking almost 1 million gallons of highly corrosive and polluting tar sands oil for 17 hours before shutting down the line; and

WHEREAS, Enbridge was found to be in violation of safety-critical spacing requirements for supporting their pipeline in 2014 under the 1953 easement for Line 5, resulting in a leak in a section of the pipeline north of the Straits of Mackinac in December 2014; and

WHEREAS, Corrosion is the most frequent reason for such pipeline failure; and

WHEREAS, Line 5 was built before the Great Lakes Submerged Lands Act was passed, so it was not required to have a permit to ensure the safety of Great Lakes water quality and public health; and

WHEREAS, Michigan's Attorney General has stated that Line 5 "wouldn't be built today", and that "the pipeline's days are numbered"; and

WHEREAS, The United States Coast Guard Commandant testified before Congress in 2015 that the Coast Guard would not be able to respond effectively to an open water oil spill in the Straits of Mackinac; and

WHEREAS, There is no plan for how to recover oil if such a spill were to occur during the winter when the lakes are covered by ice; and

WHEREAS, The Great Lakes and their water supplies for the people of Michigan and others are best protected by preventing pollution and environmental degradation, including possible oil spills, than by relying on after-the-fact, unproven attempts to clean up contamination and restore water quality after a spill occurs; and

NOW, THEREFORE, BE IT RESOLVED THAT Detroit City Council supports shutting down Line 5 forthwith; and

BE IT FURTHER RESOLVED THAT Detroit City Council supports HR 182 and CR 15, introduced by State Representatives Sarah Roberts and Jeff Irwin, calling on Governor Snyder and Attorney General Schuette to shut down Line 5; and

BE IT FURTHER RESOLVED THAT Copies of this Resolution shall be sent to Governor Snyder, Attorney General Schuette, members of the Michigan delegation in the State legislature, Congressional Representatives Conyers and Lawrence, Senators Stabenow and Peters, and State Representatives Roberts and Irwin

**CITY OF EAST LANSING
EAST LANSING CITY COUNCIL**

**RESOLUTION IN SUPPORT OF SHUTTING DOWN ENBRIDGE LINE 5
UNDER THE STRAITS OF MACKINAC**

WHEREAS, Line 5 is a set of twin, 62-year-old pipelines owned by Enbridge that carry light crude oil and natural gas under the Straits of Mackinac; and

WHEREAS, the currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, and according to a 2014 University of Michigan study are the "worst possible place" for an oil spill in the Great Lakes; and

WHEREAS, the Great Lakes contain 20 percent of the world's fresh, available, surface water and are a drinking water source for over 35 million people; and

WHEREAS, one out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes; and

WHEREAS, tourism is one of Michigan's largest income industries bringing in billions of travelers dollars spent each year; and

WHEREAS, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes; and

WHEREAS, in 2009 the Great Lakes were linked to over 1.5 million jobs, with Michigan accounting for 35 percent of those jobs; and

WHEREAS, Enbridge has a track record that includes 1,244 reportable spills, leaks and releases from 1996 to 2013; and

WHEREAS, Enbridge was in violation for their spacing requirements of its 1953 easement for Line 5 in 2014 and were responsible for a pinhole leak in a section of the pipeline north of the Straits in December 2014; and

WHEREAS, Enbridge was responsible for one of the worst and most expensive oils spills in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of tar sands oil to leak for 17 hours before shutting down the line; and

WHEREAS, corrosion is the number one reason that pipelines fail; and

WHEREAS, Line 5 was built before the Great Lakes Submerged Lands Act was adopted so it didn't have to obtain a permit and ensure that the pipeline wouldn't pose a threat to the waters or the public's use of the waters; and

WHEREAS, Michigan's Attorney General Bill Schuette has stated (in regards to Line 5) that the "pipeline wouldn't be built today" and that "the pipeline's days are numbered"; and

WHEREAS, the Coast Guard Commandant testified before congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes; and

WHEREAS, there is no plan for how to recover oil if there was a leak during the winter when the lakes are covered with ice; and

WHEREAS, as Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and

WHEREAS, protection of Michigan's water supplies and resources is better accomplished by prevention of contamination and environmental degradation, rather than attempting to clean up contamination and restore degraded environments after the fact.

THEREFORE BE IT RESOLVED, that the City of East Lansing supports stopping the transportation of oil through line 5 under the Great Lakes.

BE IT FURTHER RESOLVED, that the City of East Lansing supports shutting down Line 5.

BE IT FURTHER RESOLVED, that the City of East Lansing supports H.R. 182 and C.R. 15 introduced by State Representatives Sarah Roberts and Jeff Irwin calling on Governor Rick Snyder and Attorney General Bill Schuette to shut down Line 5.

BE IT FURTHER RESOLVED, that the City of East Lansing will send a letter to Governor Rick Snyder, Attorney General Bill Schuette, our State Representatives, State Senators and U.S. Senators calling on them to take swift action to shut down Line 5.

Mark Meadows, Mayor
Adopted:

Moved by Council member:

Supported by Council member:

ADOPTED: Yeas:

Nays:

Absent:

CLERKS CERTIFICATION: I hereby certify that the foregoing is a true and complete copy of a Resolution adopted by the East Lansing City Council at a public meeting held on August 16, 2016, the original of which is part of the Council's minutes.

Marie E. Wicks, City Clerk
City of East Lansing
Ingham and Clinton Counties, Michigan



The City of Traverse City

Communication to the City Commission

FOR THE REGULAR CITY COMMISSION MEETING OF FEBRUARY 1, 2016

DATE: JANUARY 28, 2016

FROM: ^{MC}MARTY COLBURN, CITY MANAGER

SUBJECT: RESOLUTION OF SUPPORT TO STOP THE TRANSPORTATION
OF OIL UNDER THE GREAT LAKES

Attached is a resolution sponsored by Mayor Carruthers, which supports stopping the transportation of oil and natural gas liquids under the Great Lakes. Various communities in Michigan have adopted similar resolutions. The Great Lakes constitute 21% of the world's, and 95% of North America's fresh surface water for drinking and everyday usage, therefore it is important to protect them.

Also attached is a letter addressed to Governor Snyder which will accompany the resolution if adopted.

The following motion would adopt the resolution:

that the Resolution of Support to Stop the Transportation of Oil Under the Great Lakes, be adopted.

MC/kez

k:\tcclerk\city commission\resolutions\cover memo_resolution of support to stop transportation of oil under great lakes_20160201.doc

copy: Liz Kirkwood, Executive Director of FLOW, liz@flowforwater.org



**RESOLUTION OF SUPPORT TO STOP THE
TRANSPORTATION OF OIL UNDER THE GREAT LAKES**

- Because, Line 5 is a set of twin, 62-year-old pipelines owned by Enbridge that carry light crude oil and natural gas under the Straits of Mackinac; and
- Because, the currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, and according to a 2014 University of Michigan study are the “worst possible place” for an oil spill in the Great Lakes; and
- Because, the Great Lakes contain 20 percent of the world’s fresh, available, surface water and are a drinking water source for over 25 million people; and
- Because, one out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes; and
- Because, tourism is one of Michigan’s largest income industries bringing in billions of travelers dollars spent each year; and
- Because, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes; and
- Because, in 2009, the Great Lakes were linked to over 1.5 million jobs, with Michigan accounting for 35 percent of those jobs; and
- Because, Enbridge has a shaky track record that includes 1,244 reportable spills, leaks and releases from 1996 to 2013; and
- Because, Enbridge was in violation for their spacing requirements of its 1953 easement for Line 5 in 2014 and were responsible for a pinhole leak in a section of the pipeline north of the Straits in December 2014; and
- Because, Enbridge was responsible for one of the worst and most expensive oil spills in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of tar sands oil to leak for 17 hours before shutting down the line; and
- Because, corrosion is the number one reason that pipelines fail; and
- Because, Line 5 was built before the Great Lakes Submerged Lands Act was adopted so it didn’t have to obtain a permit and ensure that the pipeline wouldn’t pose a threat to the waters or the public’s use of the waters’ and

- Because, Michigan Attorney General Bill Schuette has stated (in regards to Line 5) that the “pipeline wouldn’t be built today” and that “the pipeline’s days are numbered;” and
- Because, the Coast Guard Commandant testified before congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes; and
- Because, there is no plan for how to recover oil if there was a leak during the winter when the lakes are covered with ice; and
- Because, as Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and
- Because, protection of Michigan’s water supplies and resources is better accomplished by prevention of contamination and environmental degradation, rather than attempting to clean up contamination and restore degraded environments after the fact; therefore, be it
- Resolved,** that on the 1st day of February, 2016, the City of Traverse City supports stopping the transportation of oil under the Great Lakes; and be it further
- Resolved,** that the City of Traverse City supports shutting down Line 5 and the flow of oil under the Great Lakes; and be it further
- Resolved,** that the City of Traverse City supports H.R. 182 and C.R. 15 introduced by State Representative Sarah Roberts and Jeff Irwin calling on Governor Rick Snyder and Attorney General Bill Schuette to shut down Line 5; and be it further
- Resolved,** that the City of Traverse City will send a letter to Governor Rick Snyder, Attorney General Bill Schuette, our State Representatives, and State Senators calling on them to take swift action to shut down Line 5.

I hereby certify that the above Resolution was adopted by the Traverse City City Commission at its Regular Meeting of February 1, 2016 in the Commission Chambers, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan.

Benjamin C. Marentette, MMC
City Clerk

The City of Traverse City

Office of the Mayor

GOVERNMENTAL CENTER
400 Boardman Avenue
Traverse City, MI 49684
(231) 922-4440
(231) 922-4476 Fax



February 2, 2016

The Honorable Rick Snyder
Governor of Michigan
PO Box 30013
Lansing, MI 48909

Dear Governor Snyder:

As the Mayor of Traverse City, I am writing to express deep concern about Enbridge's 62-year-old Line 5 pipeline located in the Straits of Mackinac. Representing the residents in Traverse City, I urge you, as the primary steward, to take immediate action to shut down the pipeline and stop the transportation of oil under the Great Lakes.

Following the Enbridge 6B pipeline disaster in the Kalamazoo River in 2010, and the pinhole leak of Line 5 in 2014, the public trust regarding the safety of these pipelines is a critical concern. The waters of Lake Michigan and Lake Huron are critical to the region and the state's economy and ecology.

Lake Michigan's clean water and magnificent shores are the backbone of Traverse City, supporting our local way of life and attracting visitors from all over the world. Tourism generates the majority of our area's economic activity and is responsible for maintaining thousands of jobs each year. Allowing the integrity of these waters to fall by the wayside would thus have dire consequences for the economy for the Traverse City area and subsequently the State of Michigan.

As I am sure you are aware, the currents in the Straits of Mackinac at peak volumetric transport can be more than ten times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, which according to a 2014 University of Michigan study concludes to be the "worst possible place" for an oil spill in the Great Lakes.

As the Governor of the State of Michigan, you have the perpetual duty and express authority to ensure the safety and well-being of our Great Lakes present and future. This is why I, along with representing the residents of Traverse City, support H.R. 182 and C.R. 15, and urge you to help create a legacy we can all be proud of.

Thank you for your commitment to the protection of this great state.

Most sincerely,

James Carruthers, Mayor

copy: Bill Schuette, Attorney General
Dan Benishek, State Representative
Wayne Schmidt, State Senator
Traverse City City Commission
Martin A. Colburn, City Manager
Benjamin Marentette, City Clerk



City of Petoskey

Resolution

WHEREAS, Line 5 is a set of twin, 62 year old pipelines owned by Enbridge that carry light crude oil and natural gas under the Straits of Mackinac; and

WHEREAS, the currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, and according to a 2014 University of Michigan study are the "worst possible place" for an oil spill in the Great Lakes; and

WHEREAS, the Great Lakes contain 20% of the world's fresh, available, surface water and are a drinking water source for over 25 million people; and

WHEREAS, one out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes; and

WHEREAS, tourism is one of Michigan's largest income industries bringing in billions of dollars each year; and

WHEREAS, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes; and

WHEREAS, in 2009, the Great Lakes were linked to over 1.5 million jobs, with Michigan accounting for 35% of those jobs; and

WHEREAS, Enbridge has a shaky track record that includes 1,244 reportable spills, leaks and releases from 1996 to 2013; and

WHEREAS, Enbridge was in violation for their spacing requirement of its 1953 easement for Line 5 in 2014 and were responsible for a pinhole leak in a section of the pipeline north of the Straits in December 2014; and

WHEREAS, Enbridge was responsible for one of the worst and most expensive oil spills in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of tar sands oil to leak for 17 hours before shutting down the line; and

WHEREAS, corrosion is the number one reason that pipelines fail; and

WHEREAS, Line 5 was built before the Great Lakes Submerged Lands Act was adopted so it didn't have to obtain a permit and ensure that the pipeline wouldn't pose a threat to the waters or the public's use of the waters; and

WHEREAS, Michigan Attorney General Bill Schuette has stated (in regards to Line 5) that the "pipeline wouldn't be built today" and that "the pipeline's days are numbered"; and

WHEREAS, the Coast Guard Commandant testified before Congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes; and

WHEREAS, there is no plan for how to recover oil if there was a leak during the winter when the lakes are covered with ice; and

WHEREAS, as Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and

WHEREAS, protection of Michigan's water supplies and resources is better accomplished by prevention of contamination and environmental degradation, rather than attempting to clean up contamination and restore degraded environments after the fact:

NOW, THEREFORE, BE IT RESOLVED that on the 7th day of March, 2016, the City of Petoskey supports stopping the transportation of oil under the Great Lakes; and

BE IT FURTHER RESOLVED that the City of Petoskey supports shutting down Line 5 and the flow of oil under the Great Lakes; and

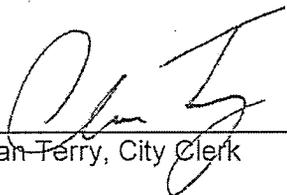
BE IT FURTHER RESOLVED that the City of Petoskey supports H.R. 182 and C.R. 15 introduced by State Representative Sarah Roberts and Jeff Irwin calling on Governor Rick Snyder and Attorney General Bill Schuette to shut down Line 5:

BE IT FURTHER RESOLVED, that the City of Petoskey will send a letter to Governor Rick Snyder, Attorney General Bill Schuette, our State Representatives, and State Senators calling on them to take swift action to shut down Line 5.

State of Michigan)
County of Emmet) ss
City of Petoskey)

I, Alan Terry, Clerk for the City of Petoskey, hereby certifies that the foregoing resolution was duly introduced and adopted at a regular meeting of the City Council for the City of Petoskey held on this 7th day of March, 2016.

In witness whereof, I have hereunto set my hand and affixed the corporate seal of said City of Petoskey this 9th day of March, 2016.



Alan Terry, City Clerk

**MOTION OFFERED BY: BOYER
SECOND BY: TIMMONS**

**RESOLUTION 104-2016
RESOLUTION OF SUPPORT OF SHUTTING DOWN LINE 5**

WHEREAS, Line 5 is a set of twin, 62-year-old pipelines owned by Enbridge that carry light crude oil and natural gas under the Straits of Mackinac; and

WHEREAS, the currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, and according to a 2014 University of Michigan study are the "worst possibly place" for an oil spill in the Great Lakes; and

WHEREAS, the Great Lakes contain 20 percent of the world's fresh, available, surface water and are a drinking water sources for over 325 million people; and

WHEREAS, one out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes; and

WHEREAS, tourism is one of the Michigan's largest income industries bringing in billions of travelers dollars spent each year; and

WHEREAS, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes; and

WHEREAS, in 2009 in Great Lakes were linked to over 1.5 million jobs, with Michigan accounting for 35 percent of those jobs; and

WHEREAS, Enbridge has a shaky track record that includes 1,244 reportable spills, leaks and releases from 1996 to 2013; and

WHEREAS, Enbridge was in violation for their spacing requirements of its 1953 easement for Line 5 in 2014 and were responsible for a pinhole leak in a section of the pipeline north of the Straits in December 2014; and

WHEREAS, Enbridge was responsible for one of the worst and most expensive oil spills in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of tar sands oil to leak for 17 hours before shutting down the line; and

WHEREAS, corrosion is the number one reason that pipelines fail; and

WHEREAS, Line 5 was built before the Great Lakes Submerged Lands Act was adopted so it didn't have to obtain a permit and ensure that the pipeline wouldn't pose a threat to the waters or the public's use of the waters; and

WHEREAS, Michigan's Attorney General Bill Schuette has stated (in regards to Line 5) that the "pipeline wouldn't be built today" and that "the pipeline's days are numbered"; and

WHEREAS, the Coast Guard Commission testified before congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes; and

WHEREAS, there is no plan for how to recover oil if there was a leak during the winter when the lakes are covered with ice; and

WHEREAS, as Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and

WHEREAS, protection of Michigan's water supplies and resources is better accomplished by prevention of containment and environmental degradation, rather than attempting to clean up contamination and restore degraded environments after the fact;

NOW, THEREFORE, BE IT RESOLVED, that on the 5th day of April 2016, the City of East Jordan supports stopping the transportation of oil under the Great Lakes; and

BE IT FURTHER RESOLVED that the City of East Jordan supports shutting down Line 5 and the flow of oil under the Great Lakes.

AYES: BREAKEY, BOYER, TIMMONS, PENZIEN

NAYS: PENZIEN

ABSTAIN: NONE

ABSENT: DOEBEL

Resolution declared adopted on April 5, 2016.

I hereby certify that the foregoing constitutes a true and complete copy of resolution 104-2016 adopted by the City Commission of the City of East Jordan County of Charlevoix, Michigan at a regular meeting held on April 5, 2016.

Cheltzi Wilson, Clerk

CITY OF CHARLEVOIX
RESOLUTION NO. 2016-02-XX
STOPPING THE TRANSPORTATION OF OIL UNDER THE GREAT LAKES (SHUT DOWN LINE 5)

- WHEREAS, Line 5 is a set of twin, 62-year-old pipelines owned by Enbridge that carry light crude oil and natural gas under the Straits of Mackinac; and
- WHEREAS, the currents in the Straits of Mackinac at peak volumetric transport can be more than 10 times greater than the flow of Niagara Falls and switch bi-directionally from east to west every few days, and according to a 2014 University of Michigan study are the "worst possible place" for an oil spill in the Great Lakes; and
- WHEREAS, the Great Lakes contain 20 percent of the world's fresh, available, surface water and are a drinking water source for over 35 million people; and
- WHEREAS, one out of every five jobs in Michigan is linked to the high quality and quantity of fresh water in the Great Lakes; and
- WHEREAS, tourism is one of Michigan's largest income industries bringing in billions of travelers dollars spent each year; and
- WHEREAS, agriculture, fisheries, shipping and industry depend on the health of the Great Lakes; and
- WHEREAS, in 2009 the Great Lakes were linked to over 1.5 million jobs, with Michigan accounting for 35 percent of those jobs; and
- WHEREAS, Enbridge has a shaky track record that includes 1,244 reportable spills, leaks and releases from 1996 to 2013; and
- WHEREAS, Enbridge was in violation for their spacing requirements of its 1953 easement for Line 5 in 2014 and were responsible for a pinhole leak in a section of the pipeline north of the Straits in December 2014; and
- WHEREAS, Enbridge was responsible for one of the worst and most expensive oils spills in U.S. history when Line 6b ruptured near Kalamazoo in 2010 allowing almost 1 million gallons of tar sands oil to leak for 17 hours before shutting down the line; and
- WHEREAS, corrosion is the number one reason that pipelines fail; and
- WHEREAS, Line 5 was built before the Great Lakes Submerged Lands Act was adopted so it didn't have to obtain a permit and ensure that the pipeline wouldn't pose a threat to the waters or the public's use of the waters; and
- WHEREAS, Michigan's Attorney General Bill Schuette has stated (in regards to Line 5) that the "pipeline wouldn't be built today" and that "the pipeline's days are numbered"; and
- WHEREAS, the Coast Guard Commandant testified before Congress in 2015 that the Coast Guard would be unable to respond effectively to an open water oil spill in the heart of the Great Lakes; and
- WHEREAS, there is no plan for how to recover oil if there was a leak during the winter when the lakes are covered with ice; and
- WHEREAS, as Michiganders we have a responsibility to be wise stewards of the waters of our state for generations to come; and
- WHEREAS, the City of Charlevoix relies solely on the clean waters of Lake Michigan to provide drinking water to our residents and visitors; and

WHEREAS, protection of Michigan's water supplies and resources is better accomplished by prevention of contamination and environmental degradation, rather than attempting to clean up contamination and restore degraded environments after the fact.

NOW, THEREFORE, BE IT RESOLVED, that on February 15, 2016, the City of Charlevoix supports stopping the transportation of oil under the Great Lakes; and

BE IT FURTHER RESOLVED, that the City of Charlevoix supports shutting down Line 5 and the flow of oil under the Great Lakes, and

BE IT FURTHER RESOLVED, that the City of Charlevoix supports H.R. 162 and C.R. 15 introduced by State Representatives Sarah Roberts and Jeff Irwin calling on Governor Rick Snyder and Attorney Bill Schuette to shut down Line 5, and

BE IT FURTHER RESOLVED that the City of Charlevoix will send a letter to Governor Rick Snyder, Attorney General Bill Schuette, our State Representatives, State Senators and U.S. Senators calling on them to take swift action to shut down Line 5.

RESOLVED this 15th day of February, 2016 A.D.

Resolution was adopted by the following yea and nay vote:

Yeas:

Nays:

Absent: