



Exhibit 1 Maintenance and Support Agreement

Tyler (“we”) will provide Client (“you”) with the following maintenance and support services for the Tyler Software. Capitalized terms not otherwise defined will have the meaning assigned to such terms in the Support Amendment.

1. **Term.** We provide maintenance and support services on an annual basis. The initial term commences on January 1, 2018, and remains in effect for one (1) year. The term will renew automatically for additional one (1) year terms unless terminated in writing by either party at least sixty (60) days prior to the end of the then-current term.
2. **Maintenance and Support Fees.** Your maintenance and support fees for the initial term for the Tyler Software will be listed in the applicable invoice. Based on your current inventory this amount will be \$214,338.60. Your fees for each subsequent term will be at our then-current rates. We reserve the right to suspend maintenance and support services if you fail to pay undisputed maintenance and support fees within thirty (45) days of our written notice. We will reinstate maintenance and support services only if you pay all past due maintenance and support fees, including all fees for the periods during which services were suspended.
3. **Maintenance and Support Services.** As long as you are not using the Help Desk as a substitute for our training services on the Tyler Software, and you timely pay your maintenance and support fees, we will, consistent with our then-current Support Call Process:
 - 3.1 perform our maintenance and support obligations in a professional, good, and workmanlike manner, consistent with industry standards, to resolve Defects, as defined in the Agreement, in the Tyler Software (limited to the then-current version and the immediately prior version); provided, however, that if you modify the Tyler Software without our consent, our obligation to provide maintenance and support services on and warrant the Tyler Software will be void;
 - 3.2 provide telephone support during our established support hours, currently Monday through Friday from 8:00 a.m. to 8:00 p.m (Eastern Time Zone)
 - 3.3 maintain personnel that are sufficiently trained to be familiar with the Tyler Software and third party software, if any, in order to provide maintenance and support services;
 - 3.4 provide you with a copy of all major and minor releases to the Tyler Software (including updates and enhancements) that we make generally available without additional charge to customers who have a maintenance and support agreement in effect; and
 - 3.5 provide non-Defect resolution support of prior releases of the Tyler Software in accordance with our then-current release life cycle policy.
4. **Client Responsibilities.** We will use all reasonable efforts to perform any maintenance and support services remotely. Therefore, you agree to maintain a high-speed internet connection capable of connecting us to your PCs and server(s). You agree to provide us with a login account and local administrative privileges as we may reasonably require to perform remote services. We will, at our option, use the secure connection to assist with

proper diagnosis and resolution, subject to any reasonably applicable security protocols. If we cannot resolve a support issue remotely, we may be required to provide onsite services. In such event, we will be responsible for our travel expenses, unless it is determined that the reason onsite support was required was a reason outside our control. Either way, you agree to provide us with full and free access to the Tyler Software, working space, adequate facilities within a reasonable distance from the equipment, and use of machines, attachments, features, or other equipment reasonably necessary for us to provide the maintenance and support services, all at no charge to us. We strongly recommend that you also maintain a VPN for backup connectivity purposes.

5. Hardware and Other Systems. If in the process of diagnosing a software support issue it is discovered that one of your peripheral systems or other software is the cause of the issue, we will notify you so that you may contact the support agency for that peripheral system. We cannot support or maintain third party products except as expressly set forth in the Agreement.

In order for us to provide the highest level of software support, you bear the following responsibility related to hardware and software:

- (a) All infrastructure executing Tyler Software shall be managed by you;
- (b) You will maintain support contracts for all non-Tyler software associated with Tyler Software (including operating systems and database management systems, but excluding Third-Party Software, if any); and
- (c) You will perform daily database backups and verify that those backups are successful.

6. Other Excluded Services. Maintenance and support fees do not include fees for the following services: (a) initial installation or implementation of the Tyler Software; (b) onsite maintenance and support (unless Tyler cannot remotely correct a Defect in the Tyler Software, as set forth above); (c) application design; (d) other consulting services; (e) maintenance and support of an operating system or hardware; (f) support outside our established support hours; or (g) installation, training services, or third party product costs related to a new release. Requested maintenance and support services such as those outlined in this section will be billed to you on a time and materials basis at our then current rates. You must request those services with at least one (1) weeks' advance notice.

7. Current Support Call Process. Our current Support Call Process for the Tyler Software is provided Schedule A to Exhibit 1.



Exhibit 1 Schedule A Support Call Process

Support Channels

Tyler Technologies, Inc. provides the following channels of software support:

- (1) Tyler Community – an on-line resource, Tyler Community provides a venue for all Tyler clients with current maintenance agreements to collaborate with one another, share best practices and resources, and access documentation.
- (2) On-line submission (portal) – for less urgent and functionality-based questions, users may create unlimited support incidents through the customer relationship management portal available at the Tyler Technologies website.
- (3) Email – for less urgent situations, users may submit unlimited emails directly to the software support group.
- (4) Telephone – for urgent or complex questions, users receive toll-free, unlimited telephone software support.

Support Resources

A number of additional resources are available to provide a comprehensive and complete support experience:

- (1) Tyler Website – www.tylertech.com – for accessing client tools and other information including support contact information.
- (2) Tyler Community – available through login, Tyler Community provides a venue for clients to support one another and share best practices and resources.
- (3) Knowledgebase – A fully searchable depository of thousands of documents related to procedures, best practices, release information, and job aides.
- (4) Program Updates – where development activity is made available for client consumption

Support Availability

Tyler Technologies support is available during the local business hours of 8 AM to 5 PM (Monday – Friday) across four US time zones (Pacific, Mountain, Central and Eastern). Clients may receive coverage across these time zones. Tyler's holiday schedule is outlined below. There will be no support coverage on these days.

New Year's Day	Thanksgiving Day
Memorial Day	Day after Thanksgiving
Independence Day	Christmas Day
Labor Day	

Issue Handling

Incident Tracking

Every support incident is logged into Tyler's Customer Relationship Management System and given a unique incident number. This system tracks the history of each incident. The incident tracking number is used to track and reference open issues when clients contact support. Clients may track incidents, using the incident number, through the portal

at Tyler’s website or by calling software support directly.

Incident Priority

Each incident is assigned a priority number, which corresponds to the client’s needs and deadlines. The client is responsible for reasonably setting the priority of the incident per the chart below. This chart is not intended to address every type of support incident, and certain “characteristics” may or may not apply depending on whether the Tyler software has been deployed on customer infrastructure or the Tyler cloud. The goal is to help guide the client towards clearly understanding and communicating the importance of the issue and to describe generally expected responses and resolutions.

Priority Level	Characteristics of Support Incident	Resolution Targets
1 Critical	Support incident that causes (a) complete application failure or application unavailability; (b) application failure or unavailability in one or more of the client’s remote location; or (c) systemic loss of multiple essential system functions.	Tyler shall provide an initial response to Priority Level 1 incidents within one (1) business hour of receipt of the support incident. Tyler shall use commercially reasonable efforts to resolve such support incidents or provide a circumvention procedure within one (1) business day. For non-hosted customers, Tyler’s responsibility for lost or corrupted data is limited to assisting the client in restoring its last available database.
2 High	Support incident that causes (a) repeated, consistent failure of essential functionality affecting more than one user or (b) loss or corruption of data.	Tyler shall provide an initial response to Priority Level 2 incidents within four (4) business hours of receipt of the support incident. Tyler shall use commercially reasonable efforts to resolve such support incidents or provide a circumvention procedure within ten (10) business days. For non-hosted customers, Tyler’s responsibility for loss or corrupted data is limited to assisting the client in restoring its last available database.
3 Medium	Priority Level 1 incident with an existing circumvention procedure, or a Priority Level 2 incident that affects only one user or for which there is an existing circumvention procedure.	Tyler shall provide an initial response to Priority Level 3 incidents within one (1) business day of receipt of the support incident. Tyler shall use commercially reasonable efforts to resolve such support incidents without the need for a circumvention procedure with the next published maintenance update or service pack. For non-hosted customers, Tyler’s responsibility for lost or corrupted data is limited to assisting the client in restoring its last available database.
4 Non-critical	Support incident that causes failure of non-essential functionality or a cosmetic or other issue that does not qualify as any other Priority Level.	Tyler shall provide an initial response to Priority Level 4 incidents within two (2) business days. Tyler shall use commercially reasonable efforts to resolve such support incidents, as well as cosmetic issues, with a future version release.

Incident Escalation

Tyler Technology’s software support consists of four levels of personnel:

- (1) Level 1: front-line representatives

(2) Level 2: more senior in their support role, they assist front-line representatives and take on escalated issues

(3) Level 3: assist in incident escalations and specialized client issues

(4) Level 4: responsible for the management of support teams for either a single product or a product group

If a client feels they are not receiving the service needed, they may contact the appropriate Software Support Manager. After receiving the incident tracking number, the manager will follow up on the open issue and determine the necessary action to meet the client's needs.

On occasion, the priority or immediacy of a software support incident may change after initiation. Tyler encourages clients to communicate the level of urgency or priority of software support issues so that we can respond appropriately. A software support incident can be escalated by any of the following methods:

- (1) Telephone – for immediate response, call toll-free to either escalate an incident's priority or to escalate an issue through management channels as described above.
- (2) Email – clients can send an email to software support in order to escalate the priority of an issue
- (3) On-line Support Incident Portal – clients can also escalate the priority of an issue by logging into the client incident portal and referencing the appropriate incident tracking number.

Remote Support Tool

Some support calls require further analysis of the client's database, process or setup to diagnose a problem or to assist with a question. Tyler will, at its discretion, use an industry-standard remote support tool. Support is able to quickly connect to the client's desktop and view the site's setup, diagnose problems, or assist with screen navigation. More information about the remote support tool Tyler uses is available upon request.



Support Amendment

This Support Amendment is made, as of the date set forth below (the "Effective Date") by and between Tyler Technologies, Inc. with offices at 840 West Long Lake Road, Troy, MI 48098 ("Tyler") and the client identified below ("Client").

WHEREAS, New World and Client are parties to an original agreement, dated May 28, 2004 ("Agreement") under which Client licensed the New World software itemized therein; and

WHEREAS, Tyler and New World merged effective November 16, 2015, with Tyler as the surviving entity; and

WHEREAS, Tyler and Client desire to update the applicable maintenance and support services terms;

NOW THEREFORE, in consideration of the mutual promises hereinafter contained, Tyler and Client agree as follows:

1. The New World software Client licensed under the Agreement, and on which Client has paid maintenance and support fees through the Effective Date, shall mean the "Tyler Software" for purposes of this Support Amendment.
2. Tyler shall provide maintenance and support services on the Tyler Software according to the terms of Exhibit 1 to this Support Amendment.
3. For the term specified in the applicable invoice, Client shall remit to Tyler maintenance fees in the amount set forth therein. Payment is due within thirty (30) days of the invoice date.
4. This Support Amendment shall be governed by and construed in accordance with the terms and conditions of the Agreement.
5. All other terms and conditions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Support Amendment as of the dates set forth below.

Tyler Technologies, Inc.

Client: CITY OF DULUTH, a Minnesota Municipal Corporation

By: _____

By: _____

Name: _____

Name: Emily Larson

Title: _____

Title: Its Mayor

Date: _____

Date: _____

Attest:

By: _____

Jeffrey J. Cox
Its City Clerk

Approved:

By: _____

Assistant City Attorney
Countersigned:

Countersigned:

By: _____

City Auditor