



TOWN COUNCIL – AGENDA REQUEST FORM

THIS FORM WILL BECOME PART OF THE BACKGROUND INFORMATION USED BY THE COUNCIL AND PUBLIC

Please submit Agenda Request Form, **including back up information**, 8 days prior to the requested meeting date. **Public Hearing requests must be submitted 20 days prior to requested meeting date to meet publication deadlines** (exceptions may be authorized by the Town Manager, Chairman/Vice Chair).

MEETING INFORMATION

Date Submitted: November 16, 2018

Date of Meeting: December 6, 2018

Submitted by: Deputy Public Works Director / Town

Engineer Dawn Tuomala

Department: Public Works

Time Required: 20 minutes

Speakers: Deputy Public Works Director / Town

Background Info.

Engineer Dawn Tuomala

Supplied:

Yes: No:

CATEGORY OF BUSINESS (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Appointment:

Recognition/Resignation/

Public Hearing:

Old Business:

New Business:

Consent Agenda:

Nonpublic:

Other:

TITLE OF ITEM

MS4 Permit Follow-up Discussion [Tabled at the November 15, 2018, Town Council meeting]

DESCRIPTION OF ITEM

The Town Council to be presented with an update on the MS4 permit.

REFERENCE (IF KNOWN)

RSA:

Warrant Article:

Charter Article:

Town Meeting:

Other:

N/A

EQUIPMENT REQUIRED (PLEASE PLACE AN "X" IN THE APPROPRIATE BOX)

Projector:

Grant Requirements:

Easel:

Joint Meeting:

Special Seating:

Other:

Laptop:

None:

CONTACT INFORMATION

Name:

Dawn Tuomala

Address

6 Baboosic Lake Road

Phone Number

424-5137

Email Address

dtuomala@merrimacknh.gov

APPROVAL

Town Manager:

Yes

No:

Chair/Vice Chair:

Yes

No:

Hold for Meeting Date: _____



TOWN OF MERRIMACK INTER-DEPARTMENT COMMUNICATION

DATE: December 3, 2018
AT (OFFICE): Department of Public Works

FROM: Dawn B. Tuomala, PE, LLS, CWS
Deputy Director/Town Engineer

SUBJECT: MS4 - PLANNING & DATA GATHERING PHASE ONLY
5 Year Timeline with cost Estimates

TO: Eileen Cabanel, Town Manager

PREPARATION (First 5 Years) PLANNING & DATA GATHERING ONLY (This does not include Future Plan Implementation)

CONTRACTOR COST PROJECTION #1							
	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Control Measures 1 & 2	\$ -	\$ 6,500	\$ 16,000	\$ 20,500	\$ 16,000	\$ 11,500	\$ 70,500
Control Measure 3	\$ -	\$ 23,100	\$ 92,300	\$ 192,300	\$ 192,300	\$ 192,300	\$ 692,300
Control Measures 4 & 5	\$ -	\$ -	\$ 22,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 58,000
Control Measure 6	\$ -	\$ -	\$ 117,500	\$ 97,500	\$ 97,500	\$ 97,500	\$ 410,000
TOTALS	\$ -	\$ 29,600	\$ 247,800	\$ 322,300	\$ 317,800	\$ 313,300	\$ 1,230,800
NEW EMPLOYEE HIRE - COST PROJECTION #2							
	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Control Measures 1 & 2	\$ -	\$ 6,500	\$ 2,000	\$ 6,500	\$ 2,000	\$ 6,500	\$ 23,500
Control Measure 3	\$ -	\$ 23,100	\$ 12,300	\$ 87,300	\$ 87,300	\$ 87,300	\$ 297,300
Control Measures 4 & 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Control Measure 6	\$ -	\$ -	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 360,000
New Employee cost	\$ -	\$ -	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 380,000
TOTALS	\$ -	\$ 29,600	\$ 199,300	\$ 278,800	\$ 274,300	\$ 278,800	\$ 1,060,800

Difference – Savings with New Employee \$170,000 Total

Should you have any questions please let me know,

Dawn

CC: Kyle Fox; Director
File

CONTRACTOR COST PROJECTION #1 - (5 year)

STORMWATER MANAGEMENT - NH MS4 PERMIT - w/CONTRACTORS

Milestones and Requirements	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Control Measures 1 & 2 - Reports & Public Education and Outreach; Public Involvement and Participation							
Notice of Intent - Due Oct. 1, 2018	0						\$0
Stormwater Management Program	0	0	14,000	14,000	14,000	5,000	\$47,000
Annual Report	0	0	0	0	0	0	\$0
Education and Outreach-Develop Program	0		500	500	500	0	\$1,000
Educational Outreach-Deliver Messages	0	5,000	0	5000	0	5,000	\$15,000
Public Involvement and Participation	0	1,500	1,500	1,500	1,500	1,500	\$7,500
Subtotal	\$0	\$6,500	\$16,000	\$20,500	\$16,000	\$11,500	\$70,500
Control Measure 3 - Illicit Discharge Detention and Elimination (IDDE)							
IDDE - Monitoring and Enforcement (Interns)	0	10,800	10,800	10,800	10,800	10,800	\$54,000
IDDE - SSO mapping and reporting/Under WW	0	0	0	0	0	0	\$0
IDDE - Phase I System Map	0	5,800	75,000	75,000	75,000	75,000	\$305,800
IDDE - Phase II System Map/Consultant w/ Camera	0	0	0	75,000	75,000	75,000	\$225,000
IDDE - Written Program/ Legal	0	5,000	0	0	0	0	\$5,000
IDDE - Priority Ranking of Outfalls/Interconnections	0	0	5,000	5,000	5,000	5,000	\$20,000
IDDE - Catchment Investigations	0	0	0	25,000	25,000	25,000	\$75,000
IDDE - Program Process, Screening & Training	0	1,500	1,500	1,500	1,500	1,500	\$7,500
Subtotal	\$0	\$23,100	\$92,300	\$192,300	\$192,300	\$192,300	\$692,300

CONTRACTOR COST PROJECTION #1 - (5 year)

STORMWATER MANAGEMENT - NH MS4 PERMIT - w/CONTRACTORS

Milestones and Requirements	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Control Measures 4 & 5 - Construction Site Stormwater Runoff Control; Post-Construction Stormwater Management in New Development and Redevelopment							
Construction Stormwater Procedures (Comm Dev. & DPW)	0	0	0	0	0	0	\$0
Construction BMP's Implementation	0	0	0	0	0	0	\$0
Post Construction Runoff Ordinance	0	0	5,000	5,000	5,000	5,000	\$20,000
Post Construction Streets and Parking Assessment	0	0	5,000	5,000	5,000	5,000	\$20,000
Post Construction Regulations Assessment	0	0	5,000	0	0	0	\$5,000
Post Construction Ranking of Municipal Infrastructure	0	0	5,000	0	0	0	\$5,000
Post Construction Requirements Implementation	0	0	2,000	2,000	2,000	2,000	\$8,000
Subtotal	\$0	\$0	\$22,000	\$12,000	\$12,000	\$12,000	\$58,000

Control Measure 6 - Pollution Prevention and Good Housekeeping in Municipal Operations

Good Housekeeping O & M Program (DPW)	0	0	0	0	0	0	\$0
Facilities (DPW)	0	0	0	0	0	0	\$0
CB Cleaning/(Add Contractor)	0	0	50,000	50,000	50,000	50,000	\$200,000
Street Sweeping/(Add Contractor)	0	0	15,000	15,000	15,000	15,000	\$60,000
Winter Road Maintenance/(Add Contractor)	0	0	25,000	25,000	25,000	25,000	\$100,000
Good Housekeeping SWPPP							
Public Works Garage & Yard	0	0	10,000	0	0	0	\$10,000
Transfer Station/ Recycling Center	0	0	10,000	0	0	0	\$10,000
Waste Water Facilities	0	0	0	0	0	0	\$0
Good Housekeeping Requirements Implementation	0	0	7,500	7,500	7,500	7,500	\$30,000
Subtotal	\$0	\$0	\$117,500	\$97,500	\$97,500	\$97,500	\$410,000
TOTALS	\$0	\$29,600	\$247,800	\$322,300	\$317,800	\$313,300	\$1,230,800

CONTRACTOR COST PROJECTION #1 - (5 year)

STORMWATER MANAGEMENT - NH MS4 PERMIT - w/CONTRACTORS

Milestones and Requirements	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Source for hours and cost analysis is per the EPA region 1 Cost Estimating for 2017 NH Small MS4 General Permit.							
The Costs only cover the first 5 years of the permit. The next 10 years will be devoted to the installation of BMP's.							
Future costs are projected to be in the millions of dollars.							

NEW EMPLOYEE HIRE - COST PROJECTION #2 - (5 year)

STORMWATER MANAGEMENT - NH MS4 PERMIT - *HIRING 1 NEW EMPLOYEE*

Milestones and Requirements	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Control Measures 1 & 2 - Reports & Public Education and Outreach; Public Involvement and Participation							
Notice of Intent - Due Oct. 1, 2018 (DPW)	0						\$0
Stormwater Management Program/(DPW)	0	0	0	0	0	0	\$0
Annual Report (DPW)	0	0	0	0	0	0	\$0
Education and Outreach-Develop Program	0	0	500	0	500	0	\$1,000
Educational Outreach-Deliver Messages	0	5,000	0	5,000	0	5,000	\$15,000
Public Involvement and Participation	0	1,500	1,500	1,500	1,500	1,500	\$7,500
Subtotal	\$0	\$6,500	\$2,000	\$6,500	\$2,000	\$6,500	\$23,500
Control Measure 3 - Illicit Discharge Detection and Elimination (IDDE)							
IDDE - Monitoring and Enforcement (Intern)	0	10,800	10,800	10,800	10,800	10,800	\$54,000
IDDE - SSO mapping and reporting (WW)	0	0	0	0	0	0	\$0
IDDE - Phase I System Map/Sampling/Equipment Purchases/(Interns)(New Employee)	0	5,800					\$5,800
* Subtotal	0	5,800	0	0	0	0	\$5,800
IDDE - Phase II System Map/Consultants w/Camera	0	0	0	75,000	75,000	75,000	\$225,000
IDDE - Written Program/Legal Council	0	5,000	0	0	0	0	\$5,000
IDDE - Priority Ranking of Outfalls/Interconnections (DPW)	0	0	0	0	0	0	\$0
IDDE - Catchment Investigations/(DPW)	0	0	0	0	0	0	\$0
IDDE - Program Process, Screening & Training (Interns)	0	1,500	1,500	1,500	1,500	1,500	\$7,500
Subtotal	\$0	\$23,100	\$12,300	\$87,300	\$87,300	\$87,300	\$297,300

NEW EMPLOYEE HIRE - COST PROJECTION #2 - (5 year)

STORMWATER MANAGEMENT - NH MS4 PERMIT - HIRING 1 NEW EMPLOYEE

Milestones and Requirements	18/19	19/20	20/21	21/22	22/23	23/24	5 Year Total
Control Measures 4 & 5 - Construction Site Stormwater Runoff Control; Post-Construction Stormwater Management in New Development and Redevelopment							
Construction Stormwater Procedures (Comm Dev. & DPW)	0	0	0	0	0	0	\$0
Construction BMP's Implementation	0	0	0	0	0	0	\$0
Post Construction Runoff Ordinance	0	0	0	0	0	0	\$0
Post Construction Streets and Parking Assessment	0	0	0	0	0	0	\$0
Post Construction Regulations Assessment	0	0	0	0	0	0	\$0
Post Construction Ranking of Municipal Infrastructure	0	0	0	0	0	0	\$0
Post Construction Requirements Implementation	0	0	0	0	0	0	\$0
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Control Measure 6 - Pollution Prevention and Good Housekeeping in Municipal Operations							
Good Housekeeping O & M Program (DPW)	0	0	0	0	0	0	\$0
Facilities (DPW)	0	0	0	0	0	0	\$0
CB Cleaning/New Hwy Employee	0	0	50,000	50,000	50,000	50,000	\$200,000
Street Sweeping	0	0	15,000	15,000	15,000	15,000	\$60,000
Winter Road Maintenance/New Hwy Employee	0	0	25,000	25,000	25,000	25,000	\$100,000
Good Housekeeping SWPPP							
Public Works Garage & Yard	0	0	0	0	0	0	\$0
Transfer Station/ Recycling Center	0	0	0	0	0	0	\$0
Waste Water Facilities	0	0	0	0	0	0	\$0
Good Housekeeping Requirements Implementation	0	0	0	0	0	0	\$0
Subtotal	\$0	\$0	\$90,000	\$90,000	\$90,000	\$90,000	\$360,000

